Analytical Resources, LLC
Analytical Chemists and Consultants

25 August 2023

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

RE: AOC5 MR Phase 1

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

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

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

Associated Work Order(s)	Associated SDG ID(s)
23H0221	N/A

Susan Dunnihoo

Digitally signed by Susan Dunnihoo
Date: 2023.08.25 08:42:39 -07'00'

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

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

Analytical Resources, LLC

Susan Dunnihoo, Director, Client Services

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

ACCREDITED IN ACCORDANCE WITH nelac
Cert# 100006-012

1 of 3

CHAIN-OF-CUSTODY/TEST REQUEST FORM

№ 3989

Project/Client Name: AOCSMR Phase 1
Project Number: 210075.0102
Contact Name: Amara Vandervoort
Sampled By: Windward

Ship to: ARL
Attn: Sue Dunihoo
Shipper: hand del'd
Form filled out by: TDO
Shipping Date: 041123
Airbill Number: —
Turnaround requested: Std

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required) PCB	SMS SVOCs	SMS metals	TOC/Total solids	DIF	Archive	cPAH	Arsenic	Comments / Instructions [Jar tag number(s)]
04.10.23	1123	LDW23-SC1204	4	SEDIMENT	X			X		X			
	1243	LDW23-SS1223	4		X	X	X	X	X	X			
	1245	LDW23-SC1223	4		X			X		X	X	X	
	1315	LDW23-SS1233	4		X	X	X	X		X			
	1317	LDW23-FT1233	4		X			X		X	X	X	
	1335	LDW23-SS1231	4		X	X	X	X		X			
	1337	LDW23-IT1231	4		X			X		X	X	X	
	1400	LDW23-SS1147	4		X	X	X	X		X			
	1402	LDW23-IT1147	4		X			X		X	X	X	
	1427	LDW23-SS1097	4		X	X	X	X	X	X			
	1441	LDW23-SS1114	4		X	X	X	X	X	X			
	1505	LDW23-SS1086	4		X	X	X	X		X			
		Total Number of Containers	48	Purchase Order / Statement of Work #	APJ-110222-AOCS-ARL								

1) Released by: TDO	1) Rec'd by: Phillip BP	2) Released by:	2) Rec'd by:
Print name: TDO	Company: AR	Print name:	Company:
Signature:	Date/Time: 4/11/23 13:10	Signature:	Date/Time:
Company: Windward ENV		Company:	
Date/Time: 041123/1310		Date/Time:	

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

Wind Ward environmental LLC
200 1st Ave W, Suite 500
Seattle, WA 98119
206.378.1364

To be completed by Laboratory upon sample receipt:

Date of receipt:: 4/11/23	Laboratory W.O. #: 230393
Condition upon receipt: good	Time of receipt: 13:10
Cooler temperature: 3.1, 5.6, 4.8	Received by: Phillip Bates

CHAIN-OF-CUSTODY/TEST REQUEST FORM

№ 3990

Project/Client Name: AOC5 MRPhase 1
Project Number: 210075.01.02
Contact Name: Amara Vandervoort
Sampled By: Windward

Ship to: ARL
Attn: Sue Dunhoo
Shipper: hand del'd
Form filled out by: DO
Shipping Date: 041123
Airbill Number: —
Turnaround requested: Std

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required) PCB	SMS SVOCs	SMS metals	TOC / Total solids	DIF	Archive	Arsenic	CPAH	Comments / Instructions [Jar tag number(s)]
04.10.23	1507	LDW23-IT1086	4	SEDIMENT	X		X		X	X	X	X	
	1525	LDW23-IT1087	4		X		X			X	X	X	
	1555	LDW23-SS1072	4		X	X		X		X			
DO	1545	LDW23-SS1079	4		X	X		X		X			
	1611	LDW23-SS1068	4		X	X		X		X			
	1609	LDW23-SS1062	4		X	X		X		X			
	1633	LDW23-SS1049	4		X	X		X		X			
	1635	LDW23-IT1049	4		X			X		X	X	X	
DO	—	~~LDW23-SS1042~~	~~4~~										
	1652	LDW23-IT1042	4		X			X		X	X	X	
	1700	LDW23-SS1043	4		X	X		X		X			
	1703	LDW23-IT1043	4		X			X	X	X	X	X	
		Total Number of Containers	44	Purchase Order / Statement of Work # APJ-110222-AOC5-ARL									

1) Released by:	1) Rec'd by:	2) Released by:	2) Rec'd by:
Print name: DO	Print name: Phillip Bates	Print name:	
Signature:	Company: Phillip Bates	Signature:	Company:
Company: ~~041123~~ Windward	Date/Time: AR 4/11/23 13:10	Company:	
Date/Time: 041123/1310		Date/Time:	Date/Time:

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

Wind Ward environmental LLC
200 1st Ave W, Suite 500
Seattle, WA 98119
206.378.1364

To be completed by Laboratory upon sample receipt:

Date of receipt:: 4/11/23	Laboratory W.O. #: 23D0393
Condition upon receipt: good	Time of receipt: 13:10
Cooler temperature: 3.1, 5.6, 4.8	Received by: Phillip Bates

3 of 3

CHAIN-OF-CUSTODY/TEST REQUEST FORM

№ 4168

Project/Client Name: AOCS MR Phase 1
Project Number: 210075-0102
Contact Name: Amara Vandervort
Sampled By: Windward.

Ship to: ARL
Attn: Sue Dawikoo
Shipper: hand del'd
Form filled out by: TDO

Shipping Date: 041123
Airbill Number: —
Turnaround requested: Std.

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required) PCBs	SMS SVOCs	SMS metals	TOC/TS	D/F	Archive	cPAHs	Arsenic	Comments / Instructions [Jar tag number(s)]
4-11-2023	0842	LDW23-SC1029	4	sediment	x	x	x	x		x			
	0930	LDW23-SC1098	4		x	x	x	x		x			
	1020	LDW23-SC1099	4		x			x		x			
	1149	LDW23-SC1102	4		x			x		x			
	1216	LDW23-SS1102	4		x	x	x	x		x			
	1248	LDW23-SS1099	4		x	x	x	x		x			
		Total Number of Containers	24	Purchase Order / Statement of Work #									

1) Released by:	1) Rec'd by:	2) Released by:	2) Rec'd by:
Print name: TDO	Phillip Bates	Print name:	
Signature:	Company: AR	Signature:	Company:
Company: Windward	Date/Time: 4/11/23 13:10	Company:	
Date/Time: 041123/1310		Date/Time:	Date/Time:

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

Wind Ward environmental LLC
200 1st Ave W, Suite 500
Seattle, WA 98119
206.378.1364

To be completed by Laboratory upon sample receipt:

Date of receipt:: 4/11/23	Laboratory W.O. #: 23D0393
Condition upon receipt: good	Time of receipt: 17:10
Cooler temperature: 3.1, 5.6, 4.8	Received by: Phillip Bates

1 of 2

CHAIN-OF-CUSTODY/TEST REQUEST FORM

№ 4169

Project/Client Name: AOCS MR Phase 1
Project Number: 210075.0102
Contact Name: Amena Vandervort
Sampled By: Windward

Ship to: ARL
Attn: Sue Dunnihoo
Shipper: hand del'd
Form filled out by: JDO

Shipping Date: 4.11.2023
Airbill Number: —
Turnaround requested: Std.

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required) PCBs	SMS SVOCs	SMS Metals	TOC/TS	D/L	Archive	cPAHs	Arsenic	Comments / Instructions [Jar tag number(s)]
04.11.23	1321	LDW23-SS1098	4	SEDIMENT	X	X	X	X		X			
	1400	LDW23-SS1071	4		X	X	X	X	X	X			
	1402	LDW23-IT1071	4		X			X	X	X	X	X	
	1418	LDW23-SS1078	4		X	X	X	X		X			
~~DO~~	~~1436~~	~~LDW23-SS1067~~	~~4~~										
	1440	LDW23-IT1067	4		X		X	X		X	X	X	
	1505	LDW23-SS1807	4		X	X	X	X		X			
	1507	LDW23-IT1807	4		X			X		X	X	X	
	1530	LDW23-SS1055	4		X	X	X	X		X			
	1532	LDW23-IT1055	4		X			X		X	X	X	
	~~1543~~	~~LDW23-SS1050~~	~~4~~										
	1545	LDW23-IT1050	4		X			X		X	X	X	
		Total Number of Containers	40	Purchase Order / Statement of Work #	APJ-110222-AOCS-ARL								

1) Released by:	1) Rec'd by:	2) Released by:	2) Rec'd by:
Print name: Suzanne Replinger	Jacob Walter	Print name:	
Signature:	Company: ARI, LLC	Signature:	Company:
Company: Windward Env		Company:	
Date/Time: 4-11-2023 1750	Date/Time: ~~04/11/23~~ 0717 ~~04/11/23~~ 4.9 2.9	Date/Time:	Date/Time:

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

WindWard environmental LLC
200 1st Ave W, Suite 500
Seattle, WA 98119
206.378.1364

To be completed by Laboratory upon sample receipt:

Date of receipt:: 4/12/23	Laboratory W.O. #: 2300394
Condition upon receipt: good	Time of receipt: 7:17
Cooler temperature: 4.9, 2.7	Received by: Jacob Walter

2 of 2

CHAIN-OF-CUSTODY/TEST REQUEST FORM

№ 3988

Project/Client Name: AOCS MR Phase 1
Project Number: 210075.01.02
Contact Name: Amara Vandervort
Sampled By: Windward

Ship to: ARL
Attn: Sue Dunihoo
Shipper: hand del'd.
Form filled out by: TDO

Shipping Date: 4.11.2023
Airbill Number:
Turnaround requested: Std

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required) PCB	SMS SVOCs	SMS metals	TOC / Total Sol. S	DIF	Arch.ve	CP+H	Arsenic	Comments / Instructions [Jar tag number(s)]
04.11.23	1558	LDW23-SS1034	4	Sediment.	X	X	X	X		X			
↓	1622	LDW23-SS1806	4	↓	X	X	X	X		X			
↓	1625	LDW23-FT1806	4	↓	X			X		X	X	X	
		Total Number of Containers	12	Purchase Order / Statement of Work # APJ-110222-AOCS-ARL									

1) Released by:	1) Rec'd by:	2) Released by:	2) Rec'd by:
Print name: Suzanne Replinger	Jacob Walter	Print name:	
Signature:	Company: ARI, LLC	Signature:	Company:
Company: Windward		Company:	
Date/Time: 4.11.2023 1750	Date/Time: 04/12/23 0717	Date/Time:	Date/Time:

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

04/12/23 4.9 2.7

To be completed by Laboratory upon sample receipt:

Date of receipt:: 4/12/23	Laboratory W.O. #: Z300394
Condition upon receipt: good	Time of receipt: 7:17
Cooler temperature: 4.9, 2.7	Received by: Jacob Walter

Wind Ward environmental LLC
200 1st Ave W, Suite 500
Seattle, WA 98119
206.378.1364

Analytical Resources, LLC
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: Anchor QEA / Windward Project Name: AOC5 NR Phase 1

COC No(s): 3989, 3990, 4168 NA Delivered by: Fed-Ex UPS Courier Hand Delivered Other:

Assigned ARI Job No: 23D0393 Tracking No: NA

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of the cooler?	YES	NO
Were custody papers included with the cooler?	YES	NO
Were custody papers properly filled out (ink, signed, etc.)	YES	NO

Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry)

Time 13:54 3.1 5.6 4.8

If cooler temperature is out of compliance fill out form 00070F Temp Gun ID#: IR009708

Cooler Accepted by: PIB Date: 4/11/23 Time: 13:10

Complete custody forms and attach all shipping documents

Log-In Phase:

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

Were the sample(s) split by ARI? NA YES Date/Time: _____ Equipment: _____ Split by: _____

Samples Logged by: PIB Date: 4/17/23 Time: 9:28 Labels checked by: PIB

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

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

Additional Notes, Discrepancies, & Resolutions:

By: Date:

Analytical Resources, LLC
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: Windward/Anchor
COC No(s): 4169, 3988 NA
Assigned ARI Job No: 23D0394

Project Name: AOCS MR Phase I
Delivered by: Fed-Ex UPS Courier Hand Delivered Other: After hours Drop off
Tracking No: NA

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of the cooler?	YES	NO
Were custody papers included with the cooler?	YES	NO
Were custody papers properly filled out (ink, signed, etc.)	YES	NO

Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry) 4.9 2.9 ___ ___ ___ ___

Time 0717

If cooler temperature is out of compliance fill out form 00070F

Temp Gun ID#: TD09708 JSW 04/18/23

Cooler Accepted by: JSW Date: 04/18/23 Time: 0717

Complete custody forms and attach all shipping documents

Log-In Phase:

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

Were the sample(s) split by ARI? NA YES Date/Time: ___ Equipment: ___ Split by: ___

Samples Logged by: PJB Date: 4/17/23 Time: 11:44 Labels checked by: PJB

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

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

Additional Notes, Discrepancies, & Resolutions:

By: Date:

Anchor QEA, LLC	Project: AOC5 MR Phase 1	
1201 3rd Ave, Suite 2600	Project Number: 210075-01.02 Task 7.2	**Reported:**
Seattle, WA 98101	Project Manager: Ali Judkins	08/25/2023 08:27

ANALYTICAL REPORT FOR SAMPLES

Laboratory ID	Sample ID	Matrix	Date Sampled	Date Received
23H0221-01	LDW23-SS1233	Solid	04/10/23 13:15	04/11/23 13:10
23H0221-02	LDW23-SS1068	Solid	04/10/23 16:11	04/11/23 13:10
23H0221-03	LDW23-SS1071	Solid	04/11/23 14:00	04/11/23 13:10
23H0221-04	LDW23-SS1078	Solid	04/11/23 14:18	04/11/23 13:10
23H0221-05	LDW23-SS1807	Solid	04/11/23 15:05	04/11/23 13:10
23H0221-06	LDW23-SS1055	Solid	04/11/23 15:30	04/11/23 13:10
23H0221-07	LDW23-SS1034	Solid	04/11/23 15:58	04/11/23 13:10
23H0221-08	LDW23-SS1806	Solid	04/11/23 16:22	04/11/23 13:10

Anchor QEA, LLC	Project: AOC5 MR Phase 1	
1201 3rd Ave, Suite 2600	Project Number: 210075-01.02 Task 7.2	**Reported:**
Seattle WA, 98101	Project Manager: Ali Judkins	25-Aug-2023 08:27

Case Narrative

Client: Anchor QEA, LLC
Project: AOC5 MR Phase 1
Work Order: 23H0221

Sample receipt

Samples as listed on the preceding page(s) were pulled from frozen archive and logged under ARI work order 23H0221 for reanalysis of SIM-SVOA. For details regarding sample receipt, please refer to the original Cooler Receipt Forms.

Semivolatiles - EPA Method SW8270E-SIM

The sample(s) were extracted and analyzed within the recommended holding times for samples stored frozen.

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

Internal standard areas were within limits.

The surrogate percent recoveries were within control limits.

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

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

The batch BLH0180-MS1/MSD1 matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and relative percent difference (RPD) were within advisory control limits.

The batch BLH0180-MS2/MSD2 matrix spike/matrix spike duplicate (MS/MSD) percent recoveries were within advisory control limiits. The relative percent difference (RPD) were outside advisory control limits for 2,4-dimethylphenol and N-nitrosodiphenylamine and flagged on the summary sheet.

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

Note that 4-methylphenol has been reported from the SIM analysis for LDW23-SS1233 and LDW23-SS1068.

Revised to exclude extra full-scan forms.

Revised 08/25/2023 to include all full-scan data for two samples.

QUALIFIERS AND NOTES

Qualifier	Definition
U	This analyte is not detected above the reporting limit (RL) or if noted, not detected above the limit of detection (LOD).
Q	Indicates a detected analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20% RSD, <20% drift or minimum RRF)
J	Estimated concentration value detected below the reporting limit.
*	Flagged value is not within established control limits.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

LDW23-SS1233

Form I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

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

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC5 MR Phase 1				
Matrix:	Sediment	Laboratory ID:	23H0221-01 B	SDG:	23H0221
Sampled:	04/10/23 13:15	Prepared:	08/08/23 09:17	File ID:	NT1708112317.D
% Solids:	86.45	Preparation:	EPA 3546 (Microwave)	Analyzed:	08/11/23 22:12
Batch:	BLH0180	Sequence:	SLH0241	Initial/Final:	11.61 g Wet / 1 mL
Instrument:	NT17	Column:	ZB-5MS	Calibration:	GH00044
Cleanups:	GPC				

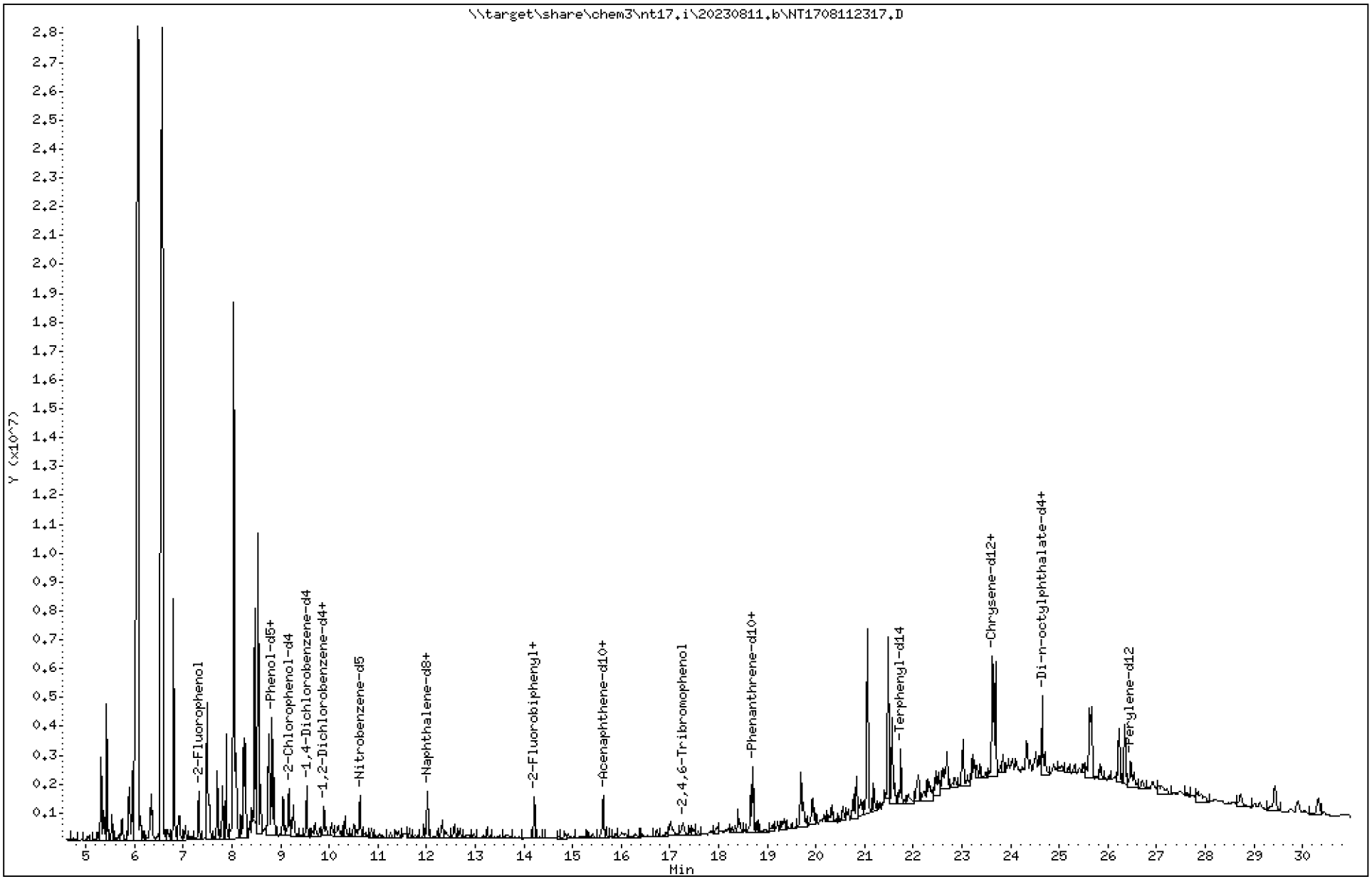
CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
108-95-2	Phenol	1	34.8		4.4	19.9
106-44-5	4-Methylphenol	1	15.2	J	7.4	19.9
91-20-3	Naphthalene	1	11.4	J	4.2	19.9
91-57-6	2-Methylnaphthalene	1	11.3	J	4.5	19.9
208-96-8	Acenaphthylene	1	42.3		6.2	19.9
131-11-3	Dimethylphthalate	1	19.9	U	4.4	19.9
83-32-9	Acenaphthene	1	87.6		5.2	19.9
132-64-9	Dibenzofuran	1	27.7		14.1	19.9
86-73-7	Fluorene	1	62.9		14.5	19.9
85-01-8	Phenanthrene	1	531		8.7	19.9
120-12-7	Anthracene	1	106		7.2	19.9
206-44-0	Fluoranthene	1	1520		6.1	19.9
129-00-0	Pyrene	1	1370		5.7	19.9
85-68-7	Butylbenzylphthalate	1	19.9	U	9.4	19.9
56-55-3	Benzo(a)anthracene	1	789		5.9	19.9
218-01-9	Chrysene	1	944		6.0	19.9
117-81-7	bis(2-Ethylhexyl)phthalate	1	138		14.0	49.8
	Benzofluoranthenes, Total	1	1520		20.9	39.9
50-32-8	Benzo(a)pyrene	1	705		4.2	19.9
193-39-5	Indeno(1,2,3-cd)pyrene	1	357		14.6	19.9
53-70-3	Dibenzo(a,h)anthracene	1	134		17.2	19.9
191-24-2	Benzo(g,h,i)perylene	1	416		13.5	19.9

SURROGATES	ADDED:(ug/mL)	(ug/mL)	% REC	QC LIMITS	Q
2-Fluorophenol	7.5000	3.47	46.2	27 - 120	
Phenol-d5	7.5000	4.12	54.9	29 - 120	
2-Chlorophenol-d4	7.5000	4.10	54.6	31 - 120	
1,2-Dichlorobenzene-d4	5.0000	2.78	55.5	32 - 120	
Nitrobenzene-d5	5.0000	3.50	70.0	30 - 120	
2-Fluorobiphenyl	5.0000	3.34	66.7	35 - 120	
2,4,6-Tribromophenol	7.5000	2.77	36.9	24 - 134	
p-Terphenyl-d14	5.0000	3.72	74.4	37 - 120	

Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D
Date : 11-AUG-2023 22:12
Client ID:
Sample Info: 23H0221-01

Instrument: nt17.i
Operator: JGR
Column diameter: 0.25

Column phase: ZB-5msi



Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

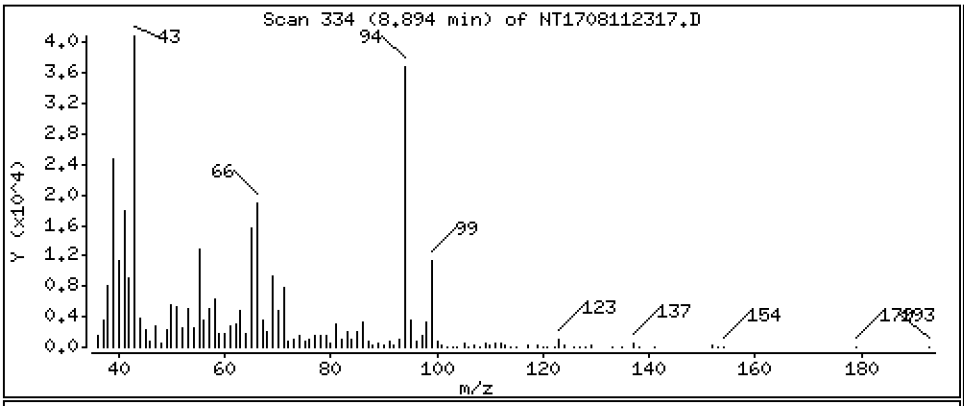
Operator: JGR

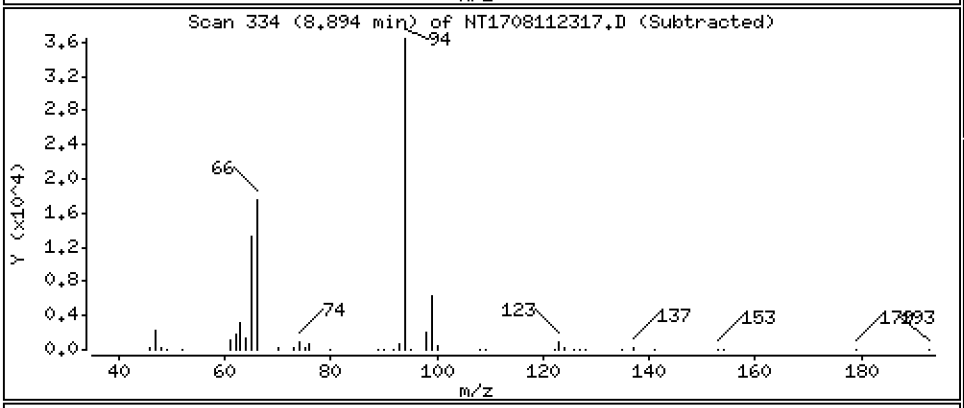
Column phase: ZB-5msi

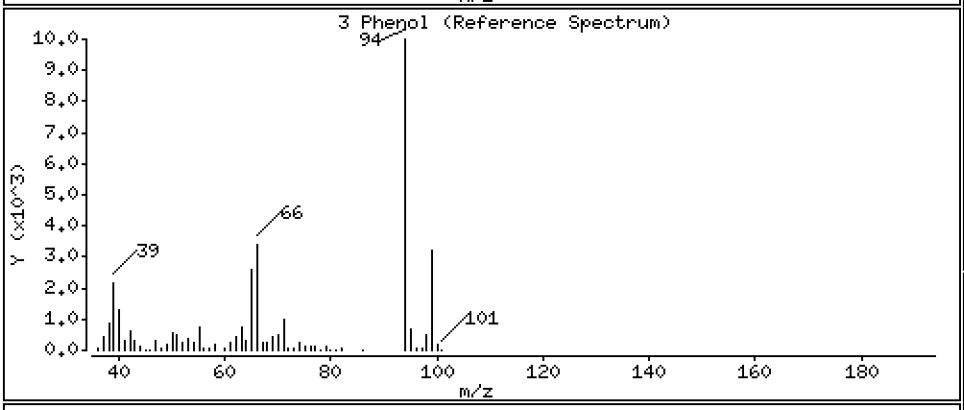
Column diameter: 0.25

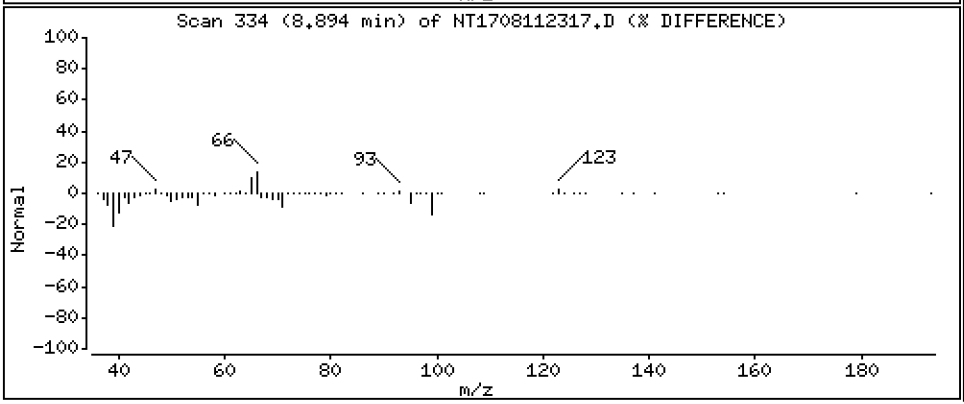
3 Phenol

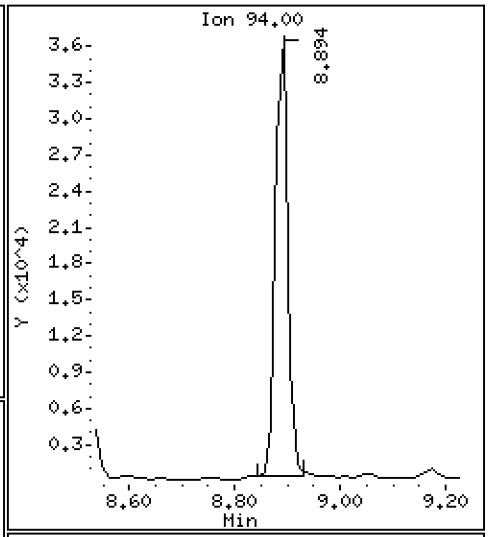
Concentration: 0.3496 ug/mL

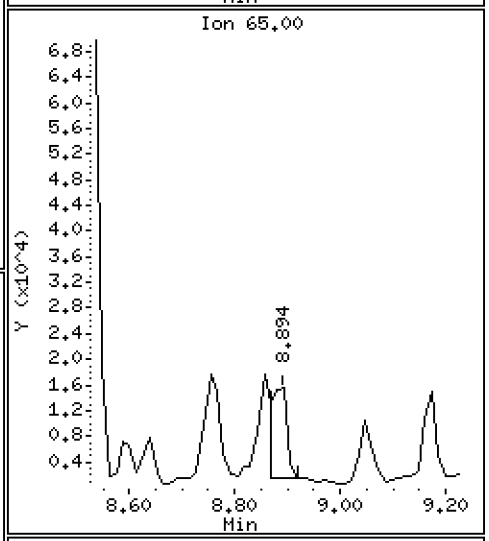


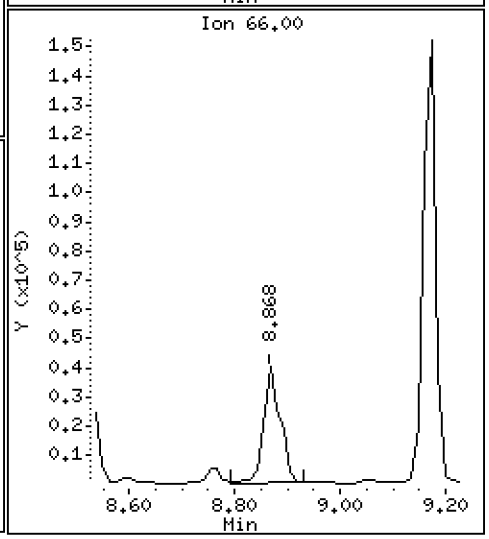












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

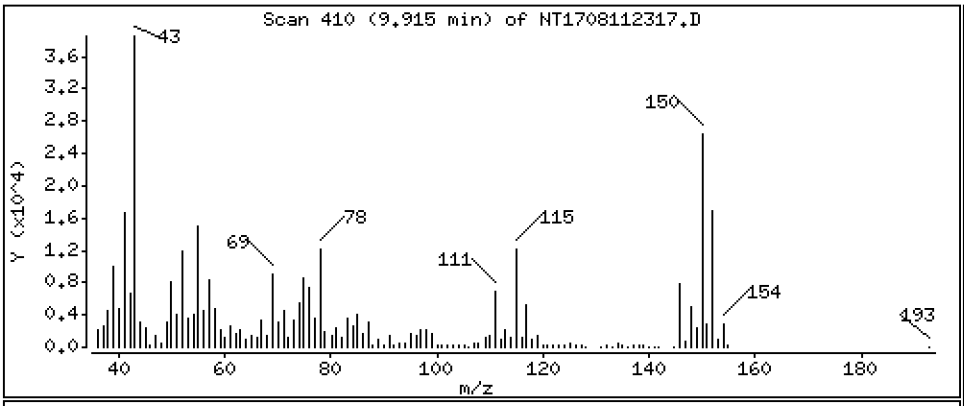
Operator: JGR

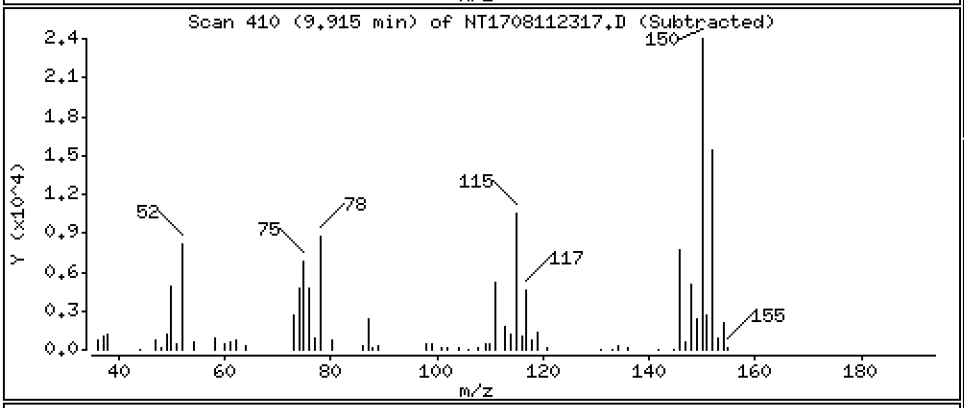
Column phase: ZB-5msi

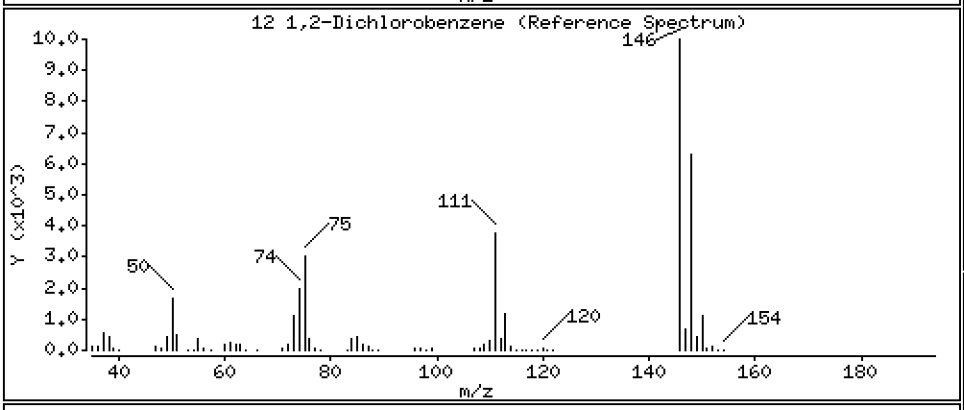
Column diameter: 0.25

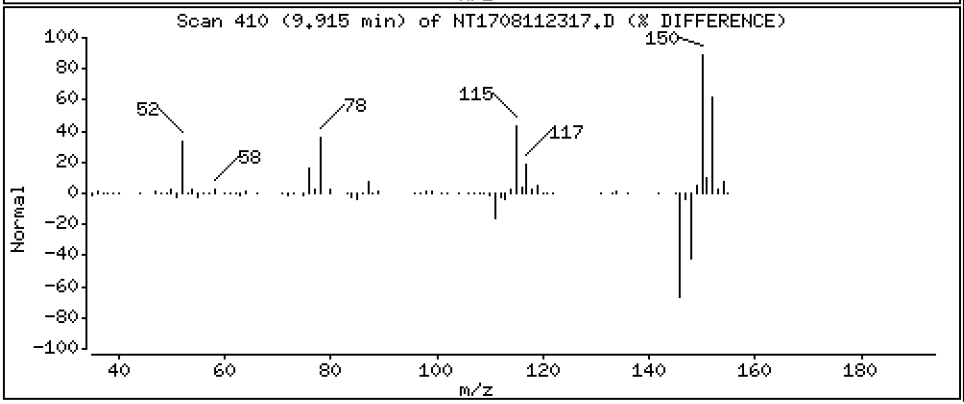
12 1,2-Dichlorobenzene

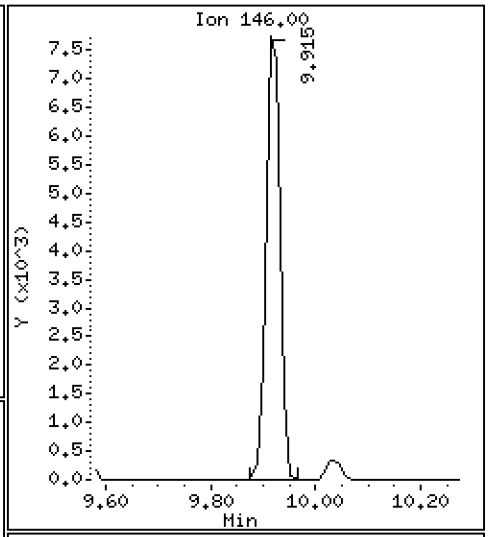
Concentration: 0.1394 ug/mL

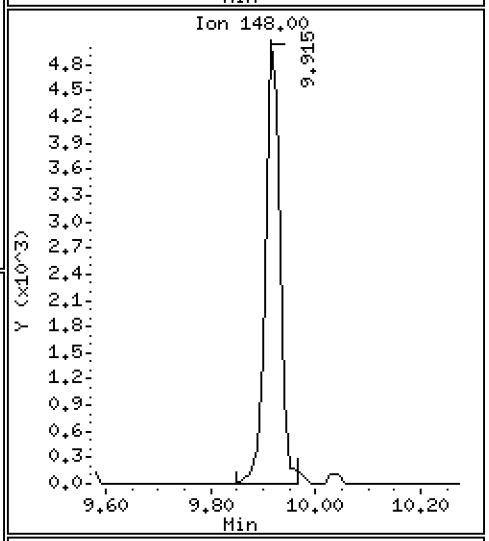


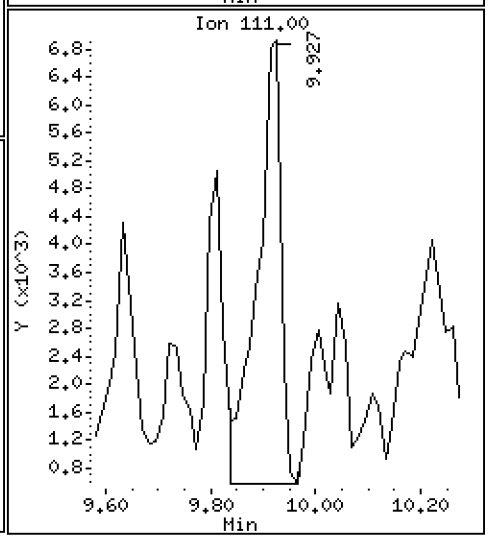












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

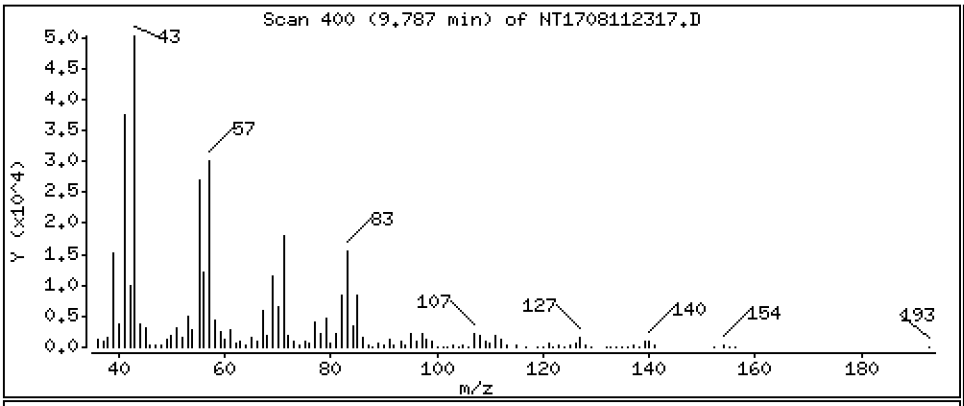
Operator: JGR

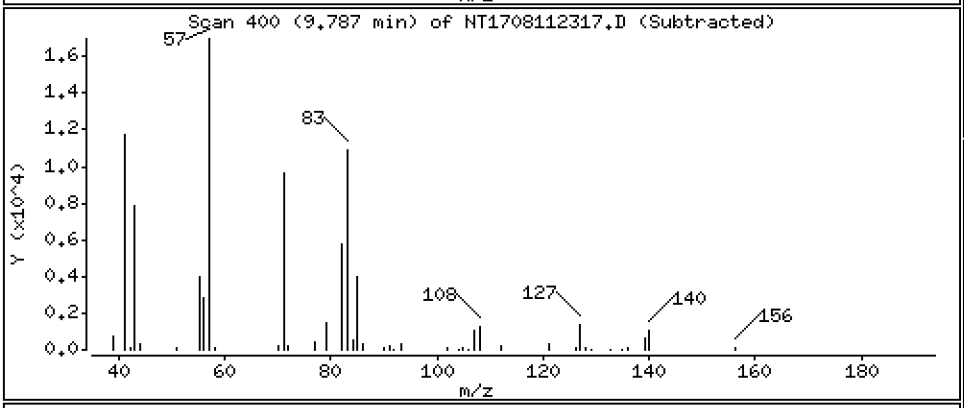
Column phase: ZB-5msi

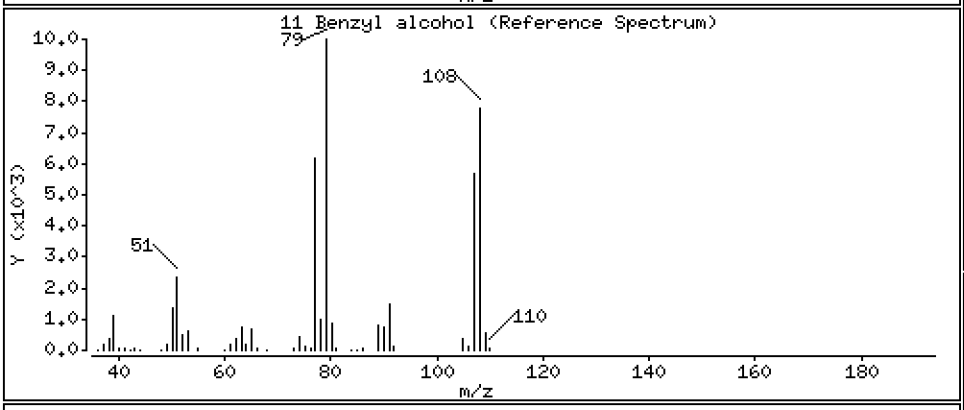
Column diameter: 0.25

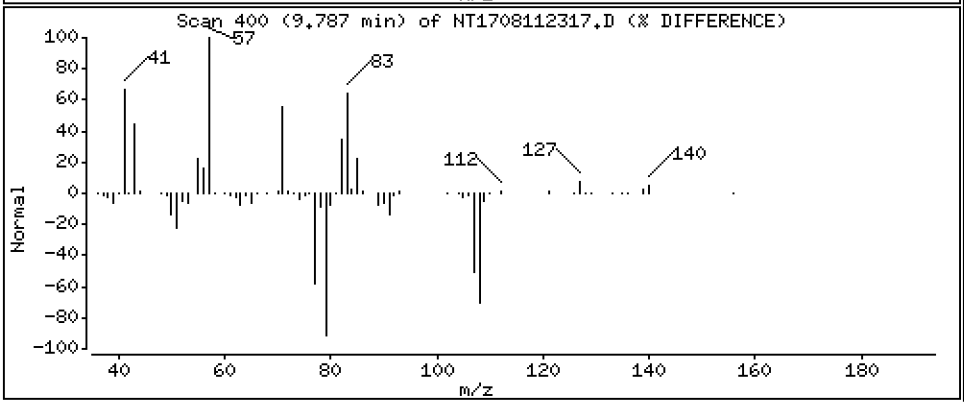
11 Benzyl alcohol

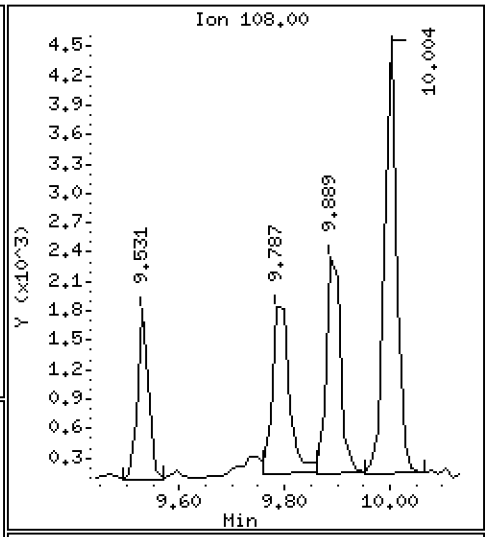
Concentration: 0.05086 ug/mL

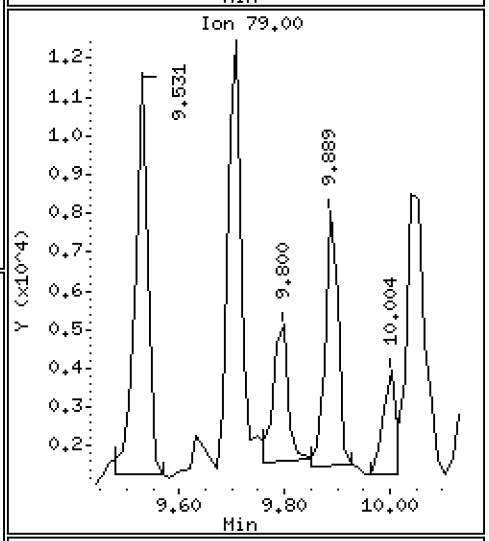


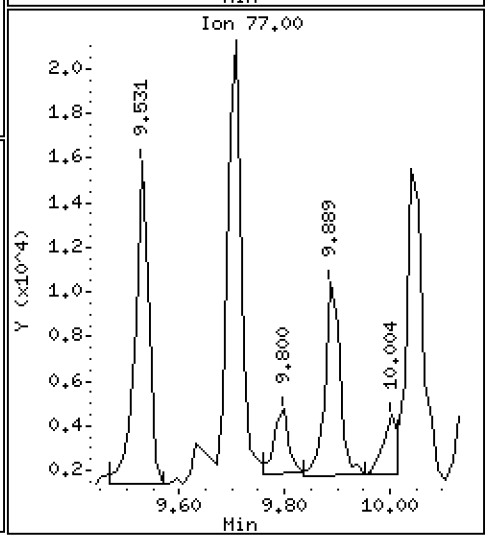












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

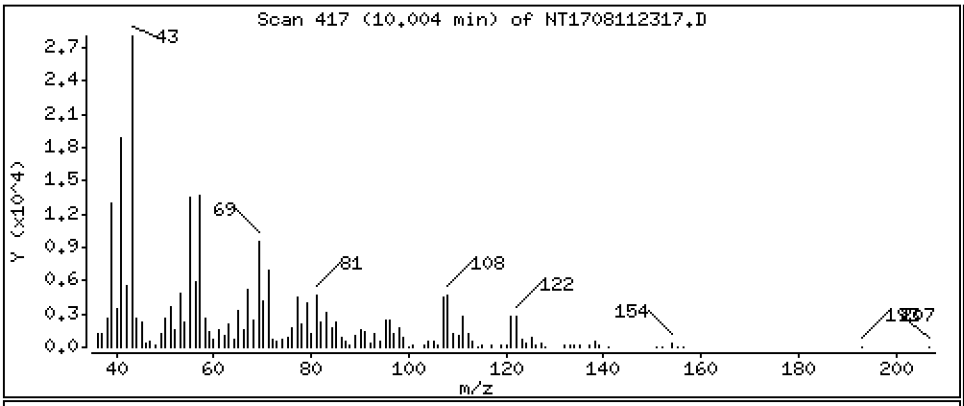
Operator: JGR

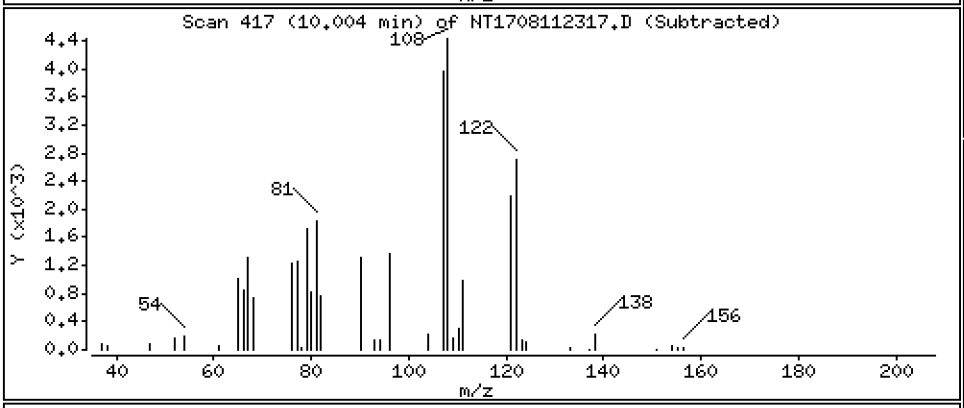
Column phase: ZB-5msi

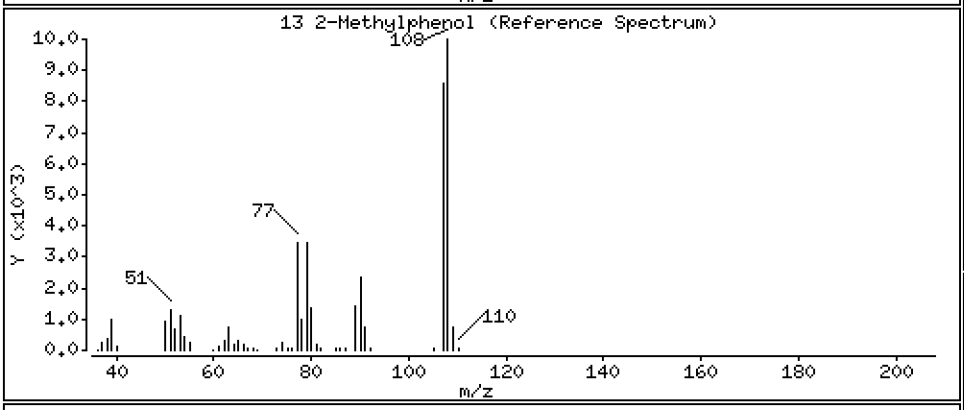
Column diameter: 0.25

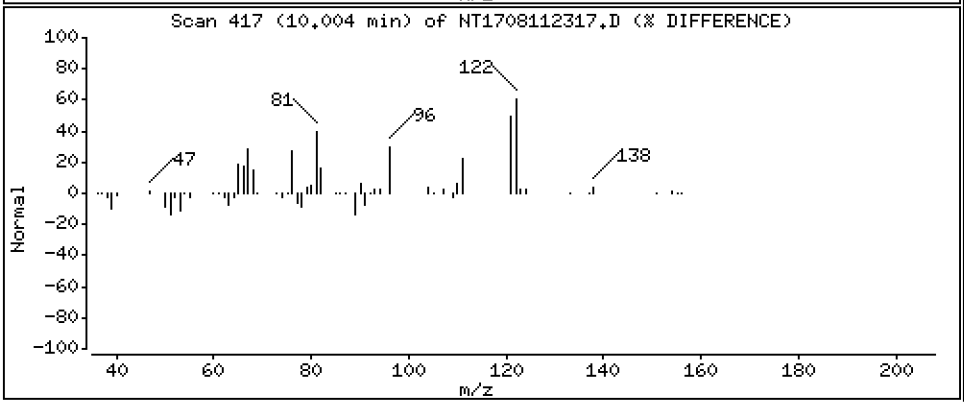
13 2-Methylphenol

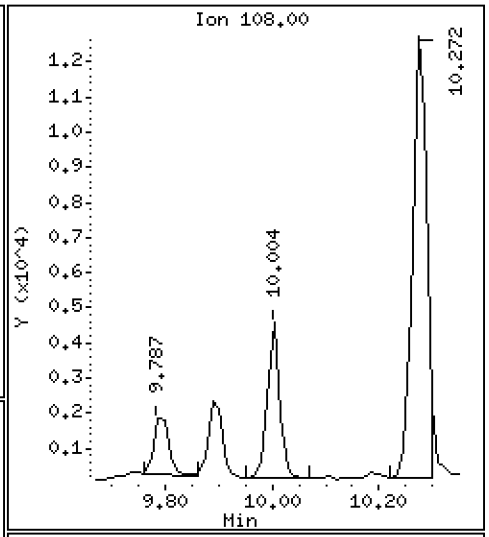
Concentration: 0.06387 ug/mL

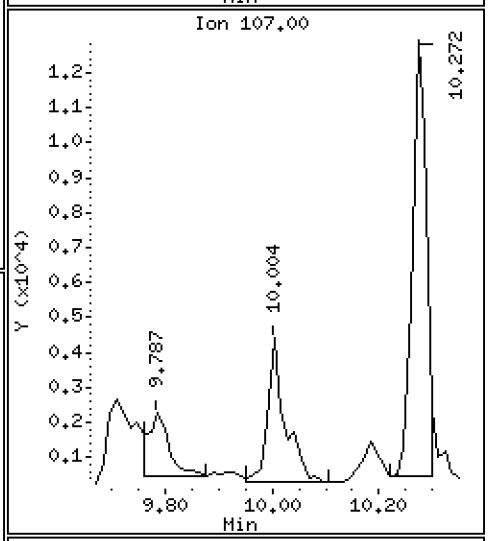


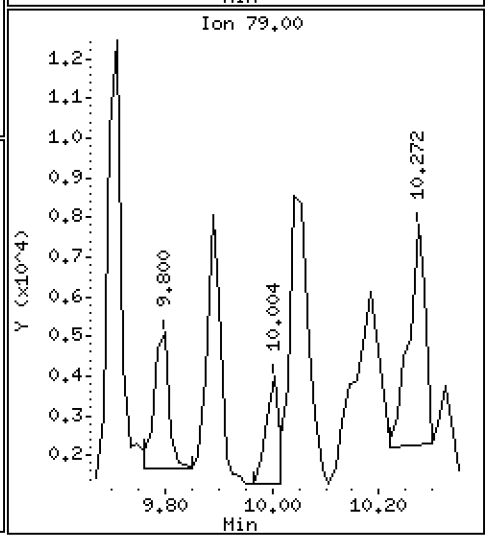












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

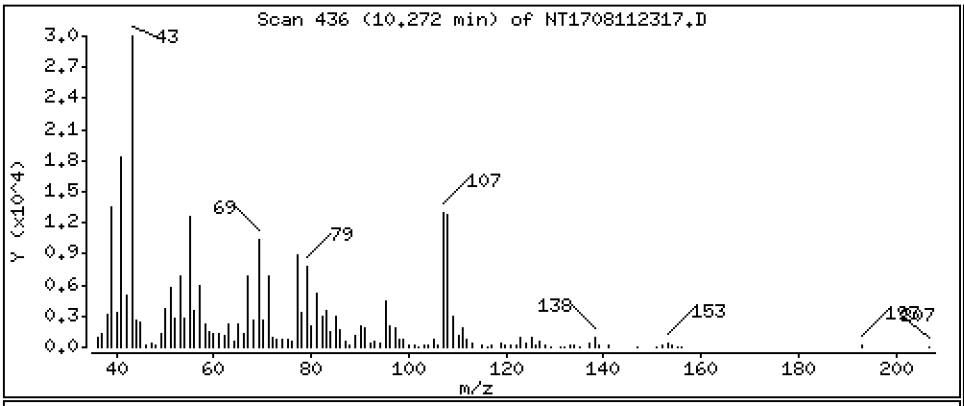
Operator: JGR

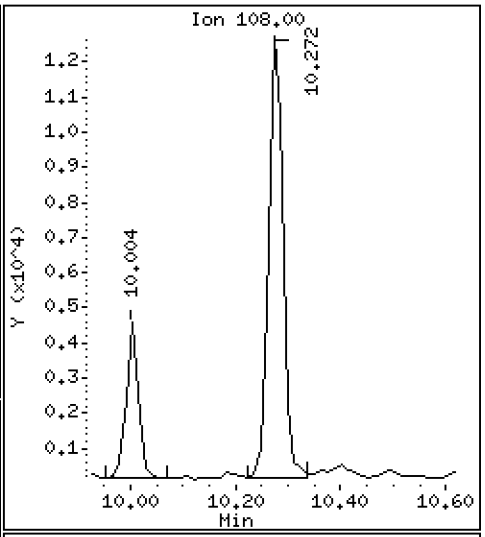
Column phase: ZB-5msi

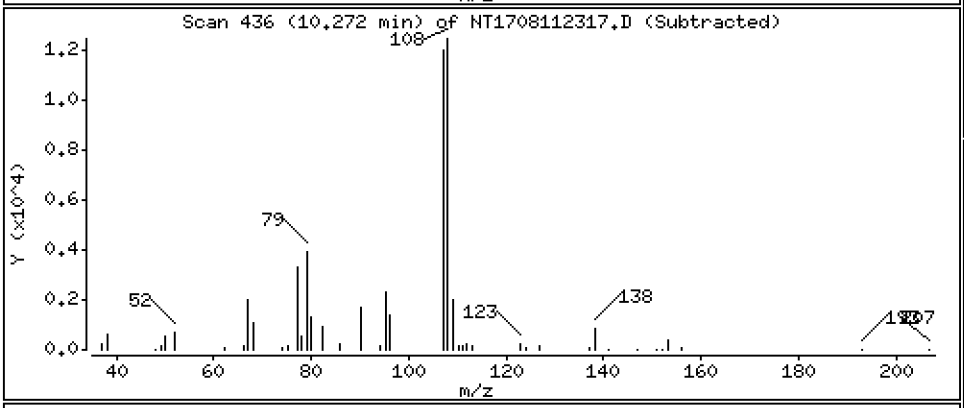
Column diameter: 0.25

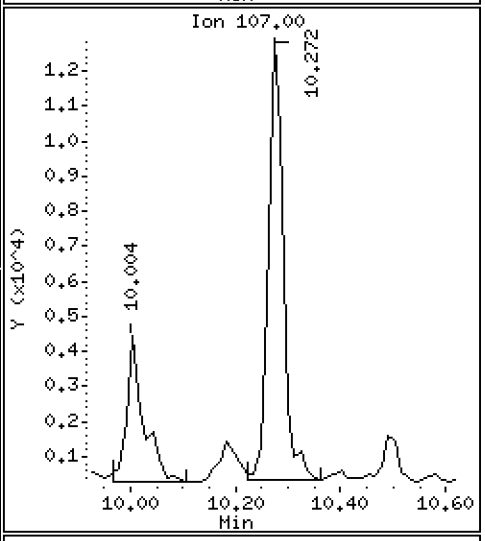
15 4-Methylphenol

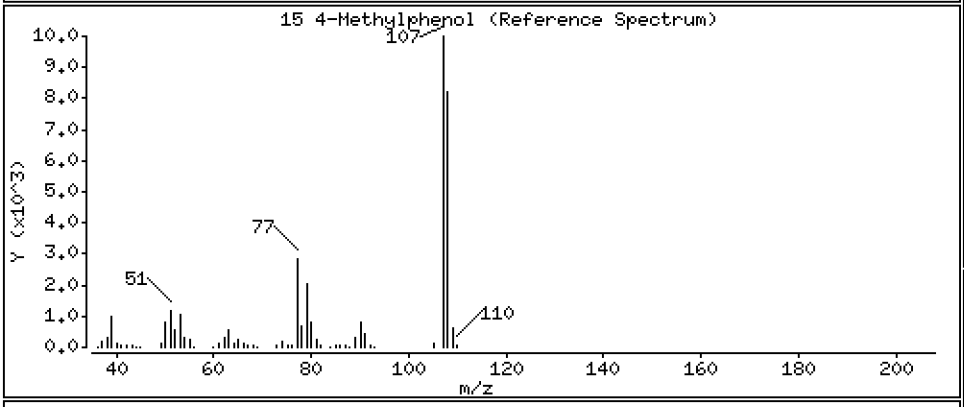
Concentration: 0.1521 ug/mL

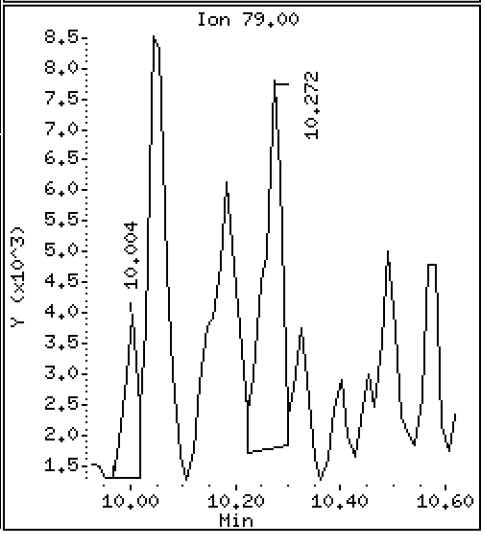


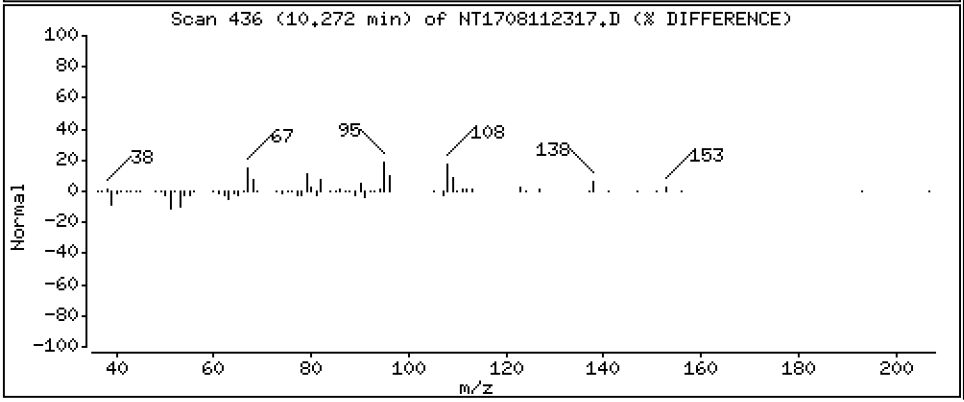












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

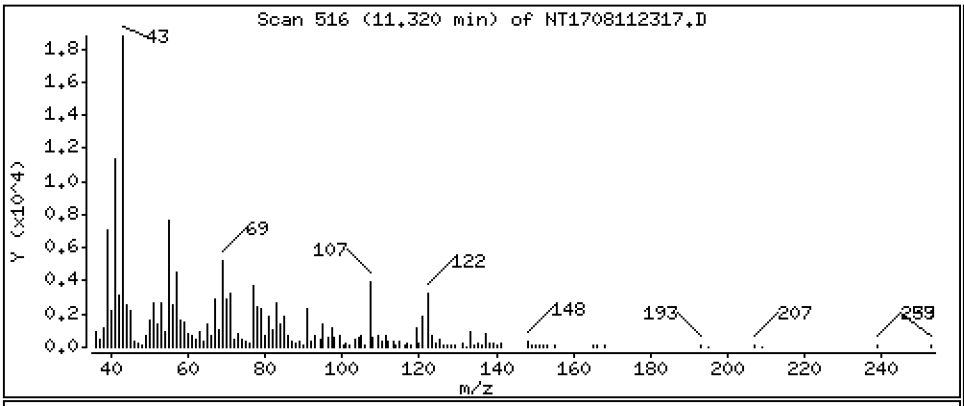
Operator: JGR

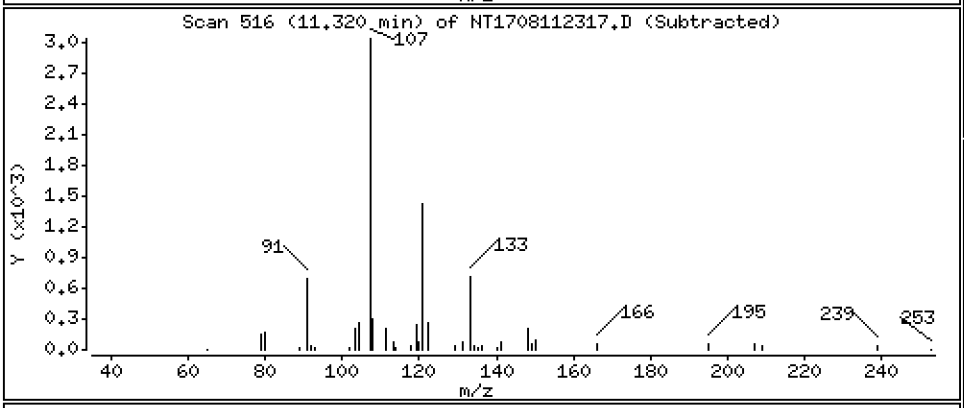
Column phase: ZB-5msi

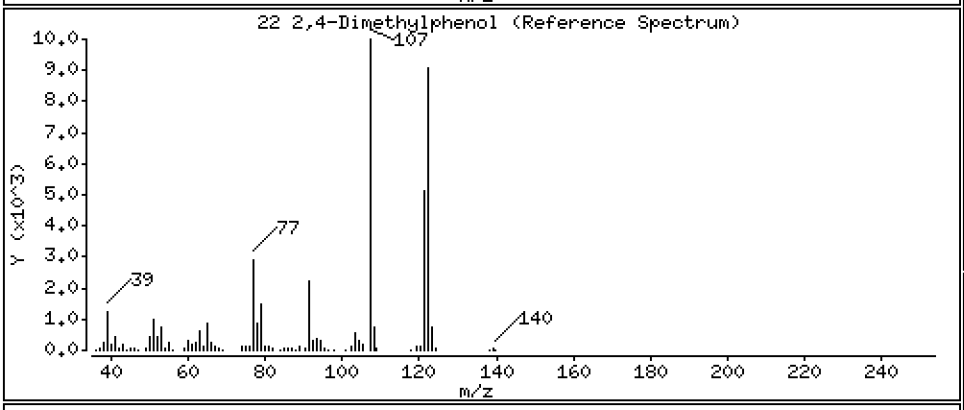
Column diameter: 0.25

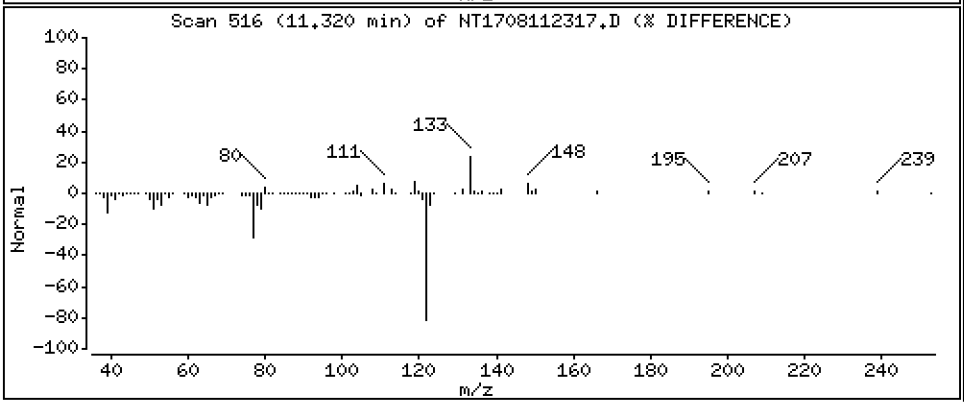
22 2,4-Dimethylphenol

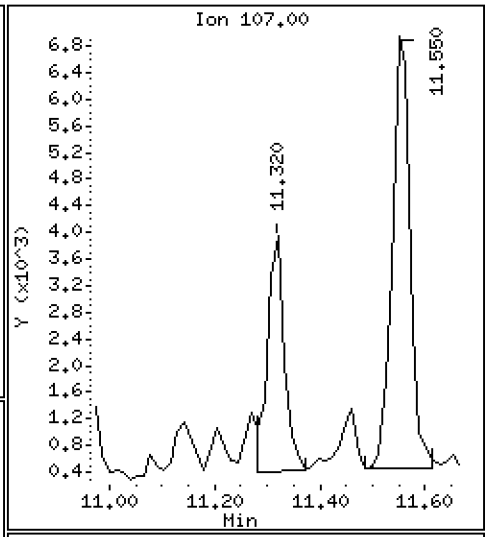
Concentration: 0.06374 ug/mL

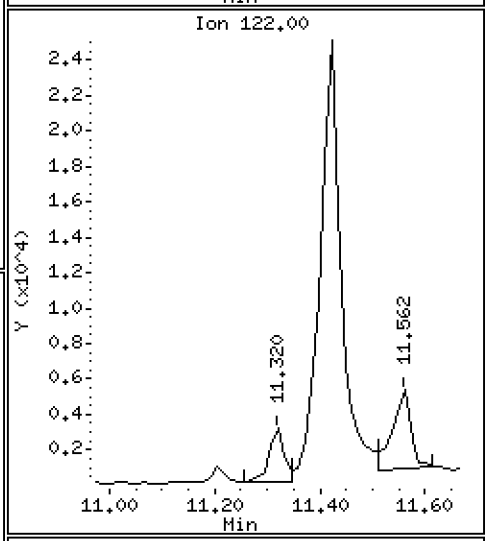


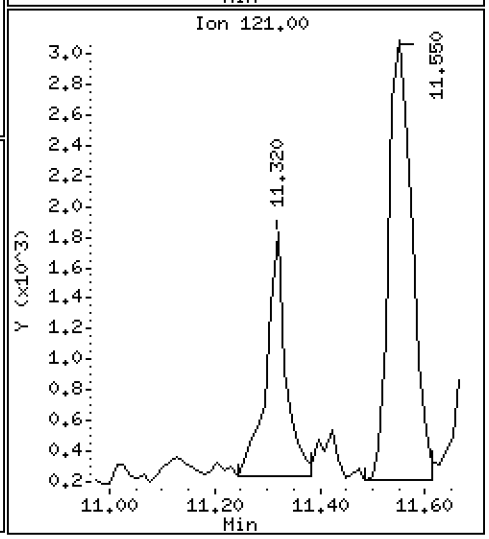












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

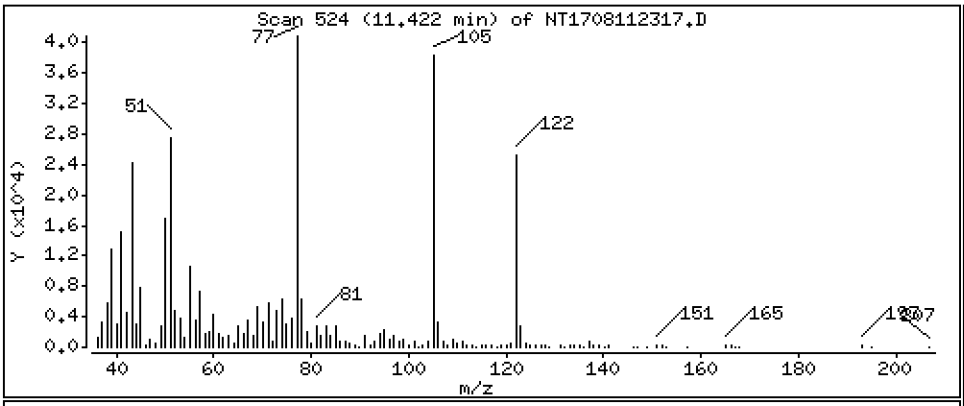
Operator: JGR

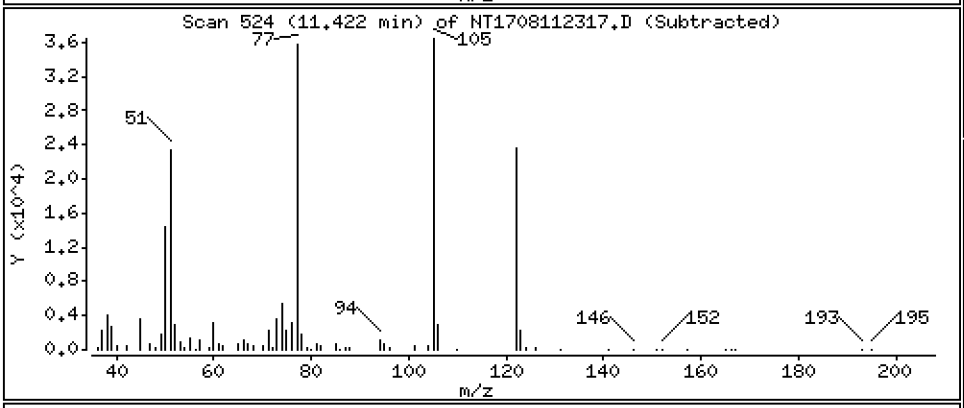
Column phase: ZB-5msi

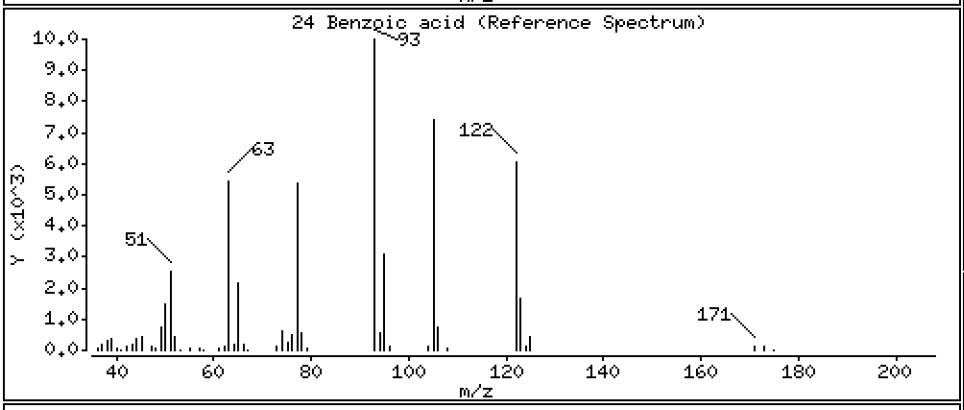
Column diameter: 0.25

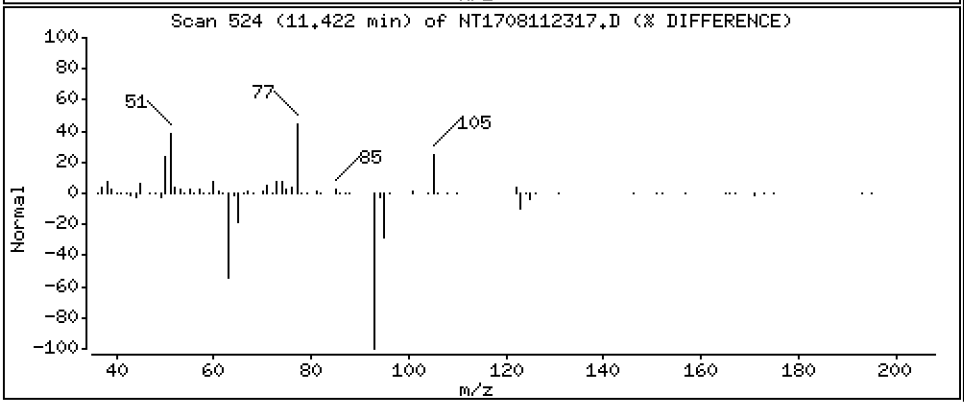
24 Benzoic acid

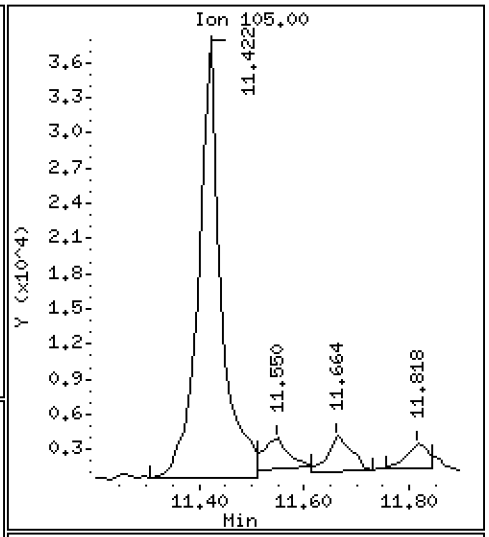
Concentration: 1.032 ug/mL

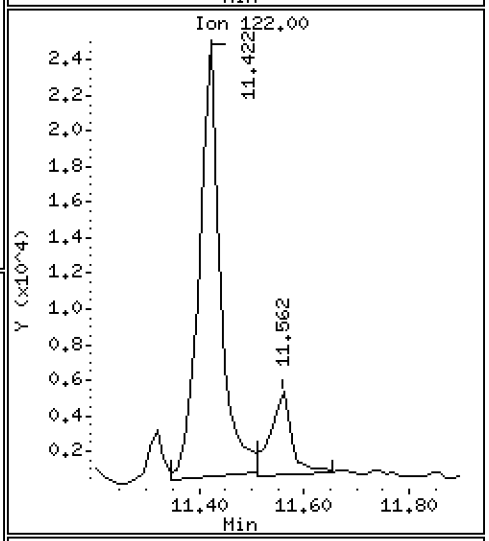


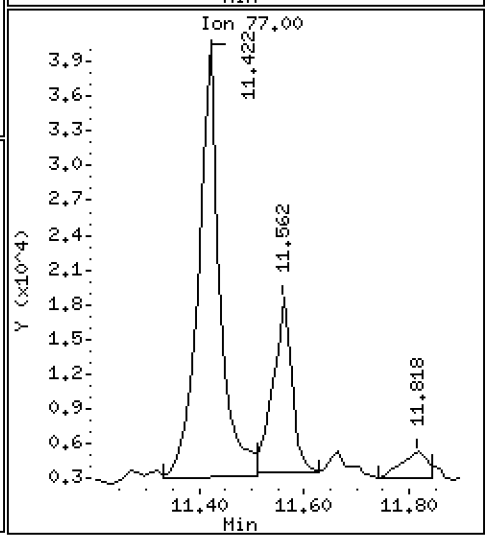












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

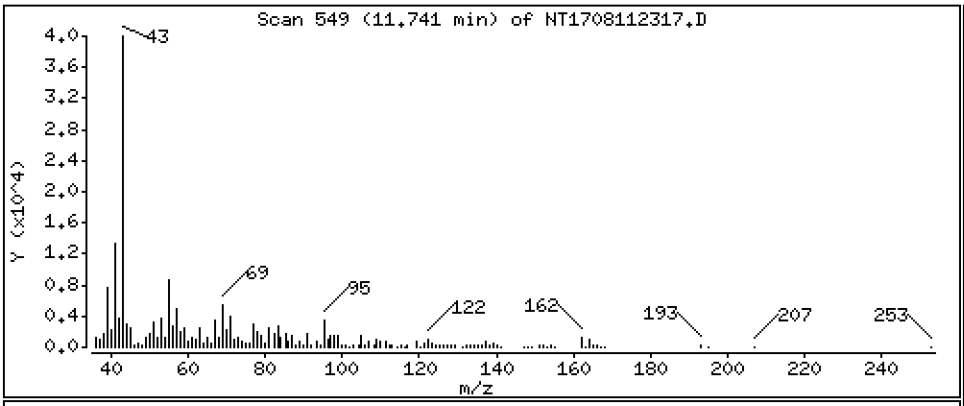
Operator: JGR

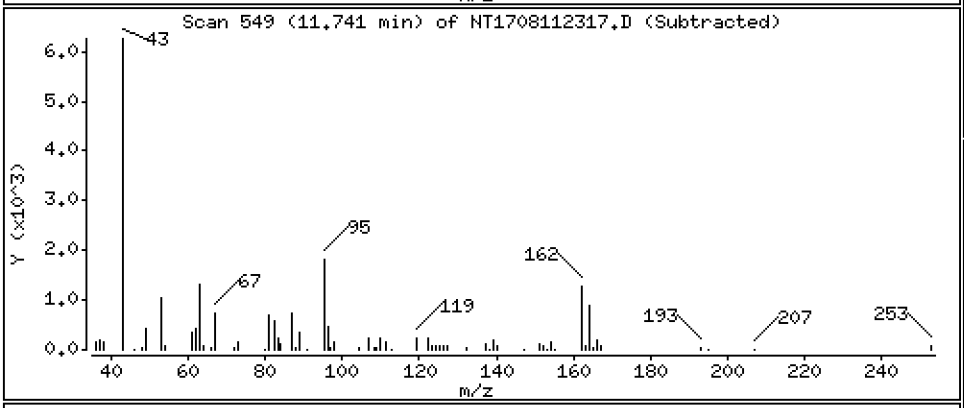
Column phase: ZB-5msi

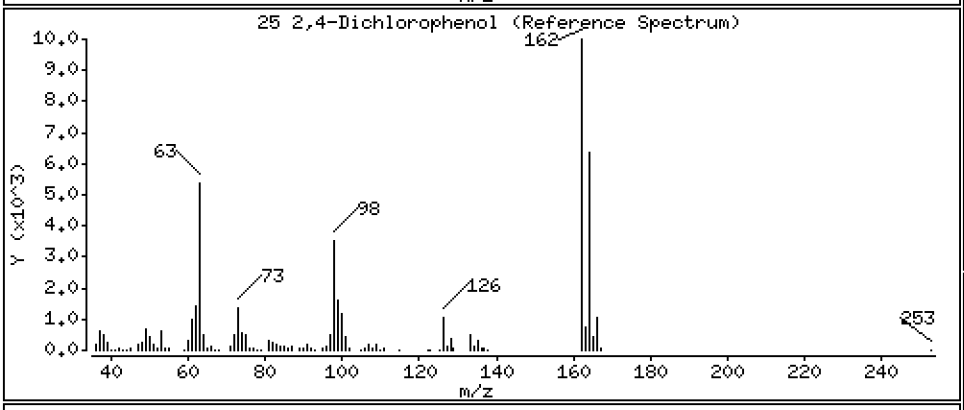
Column diameter: 0.25

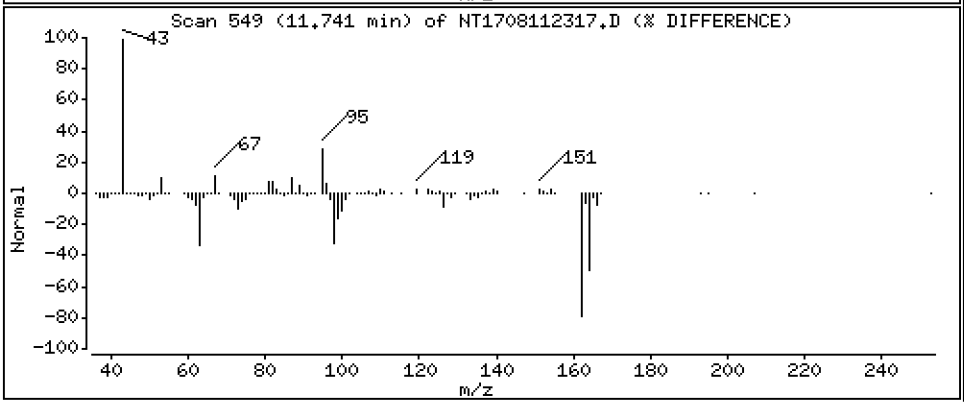
25 2,4-Dichlorophenol

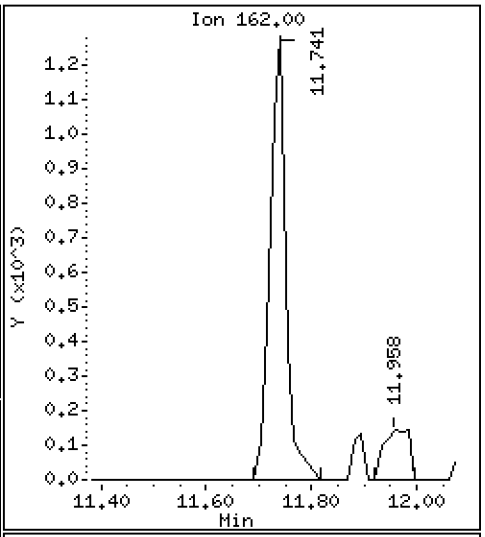
Concentration: 0.05261 ug/mL

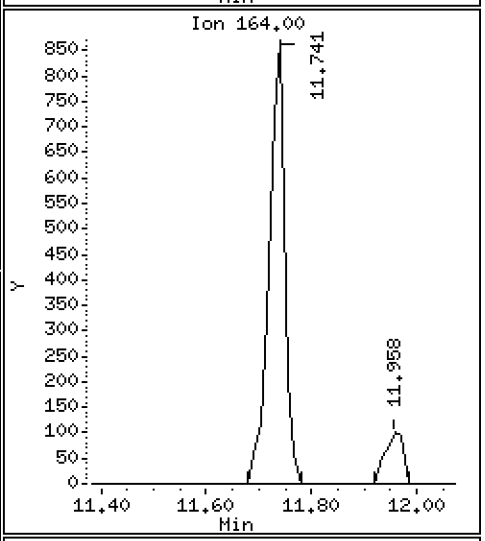


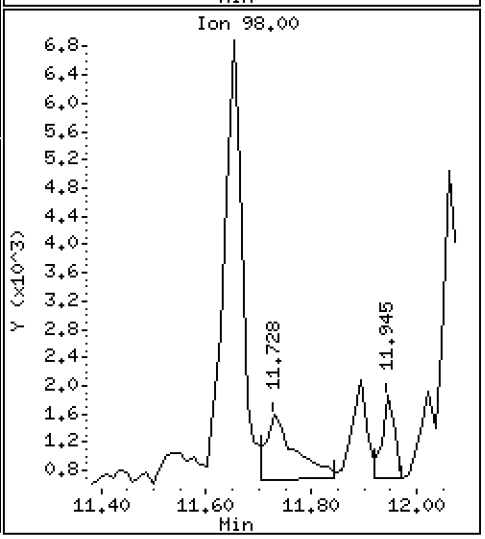












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

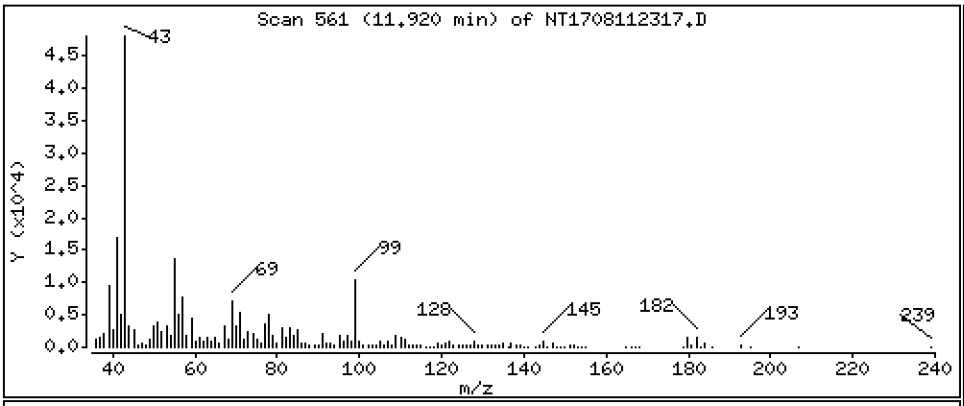
Operator: JGR

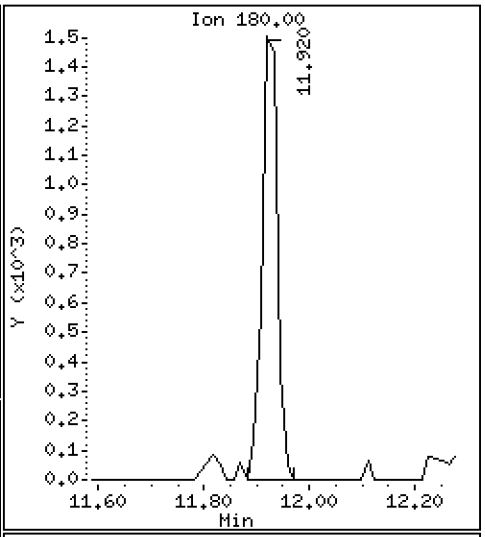
Column phase: ZB-5msi

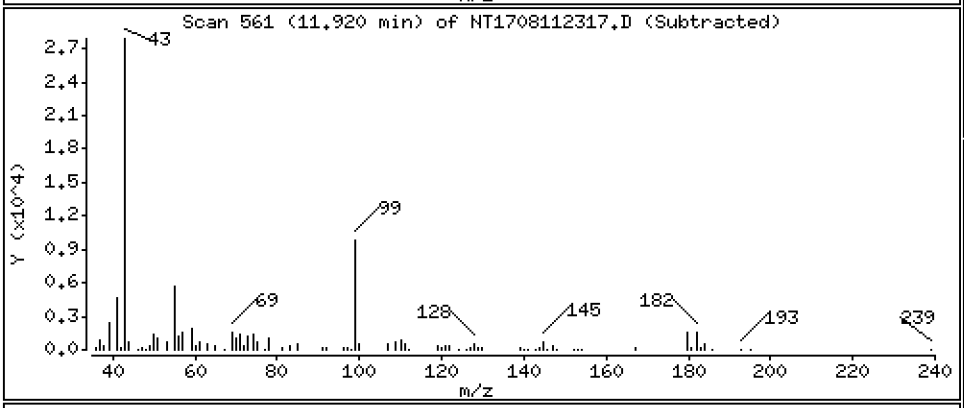
Column diameter: 0.25

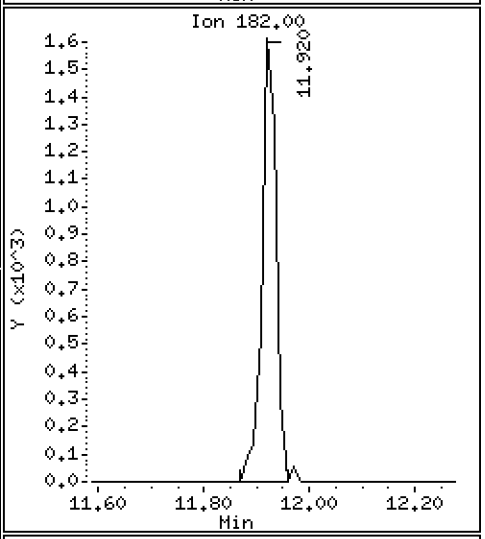
26 1,2,4-Trichlorobenzene

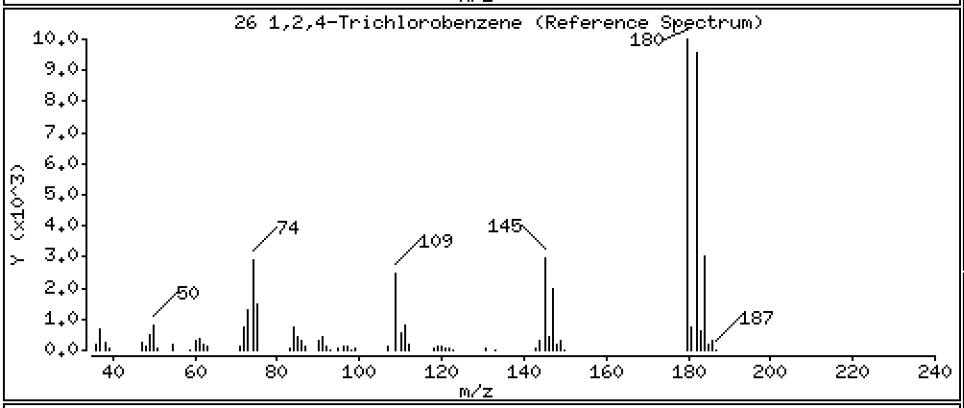
Concentration: 0.04132 ug/mL

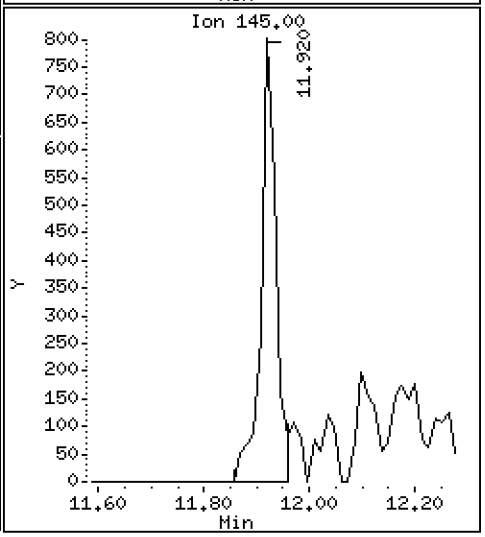


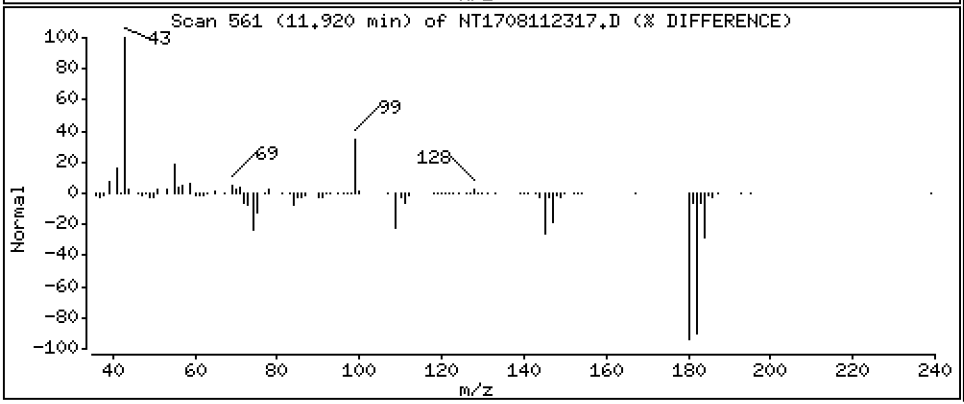












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

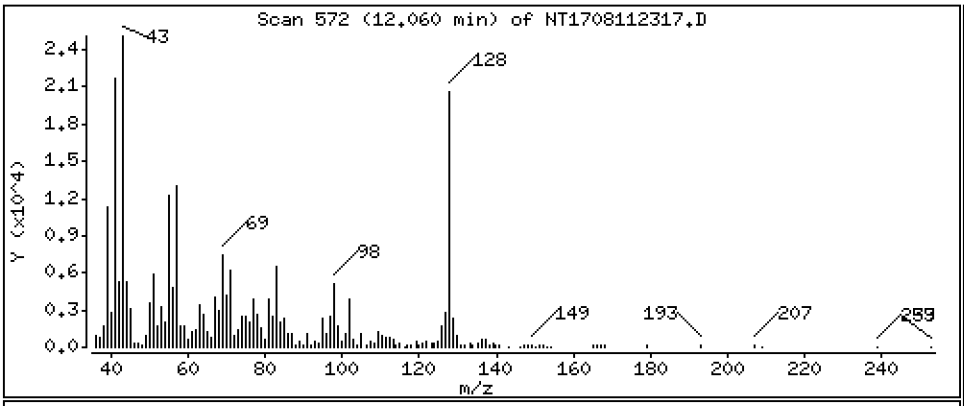
Operator: JGR

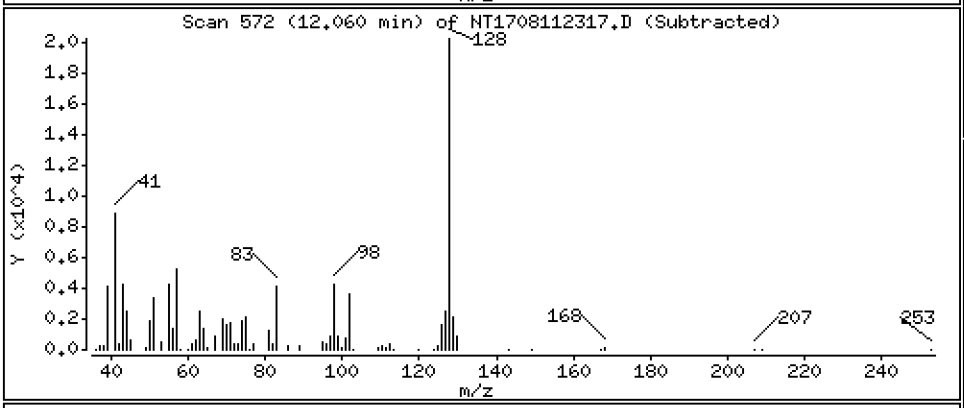
Column phase: ZB-5msi

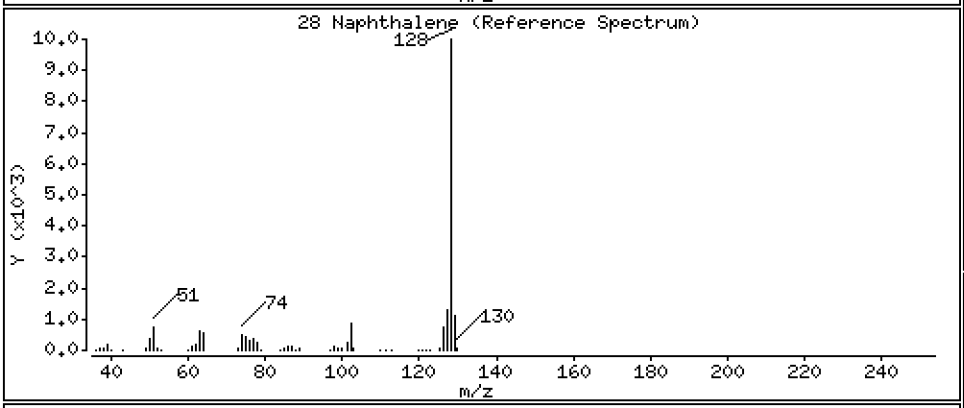
Column diameter: 0.25

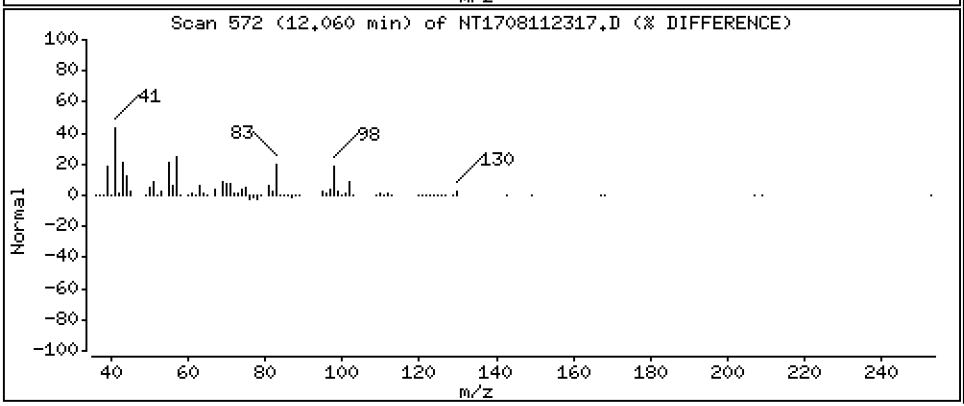
28 Naphthalene

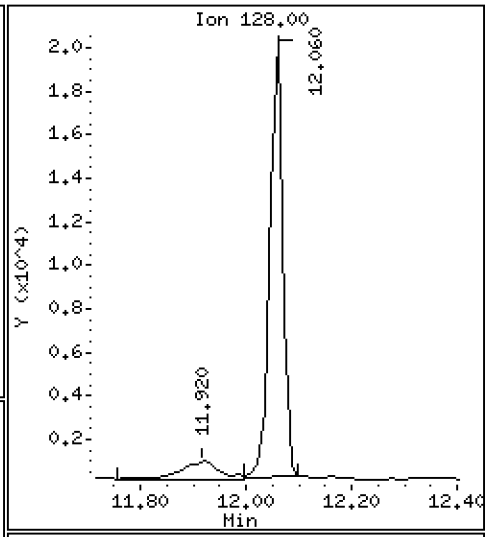
Concentration: 0.1144 ug/mL

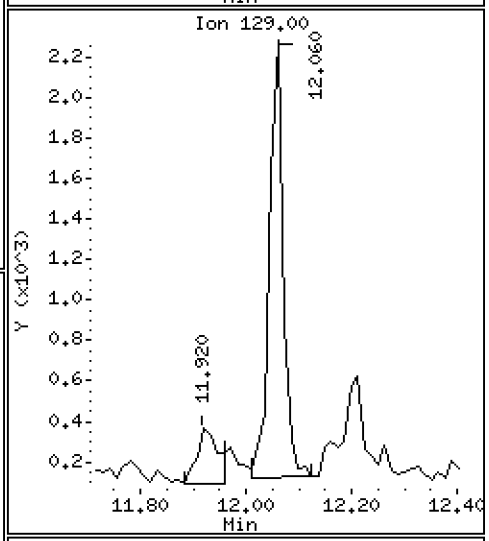


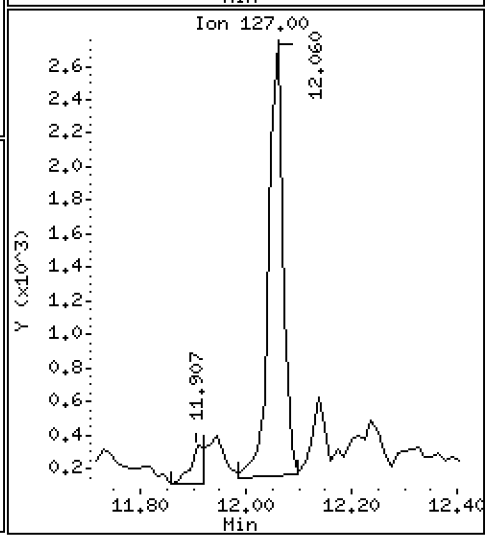












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

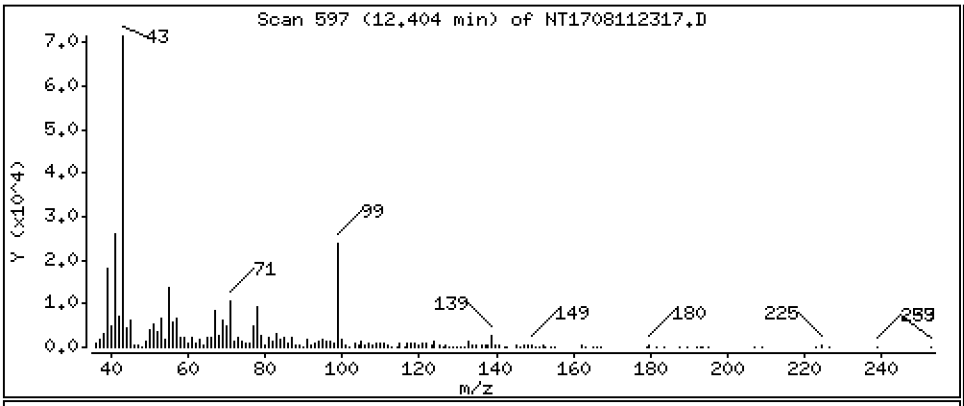
Operator: JGR

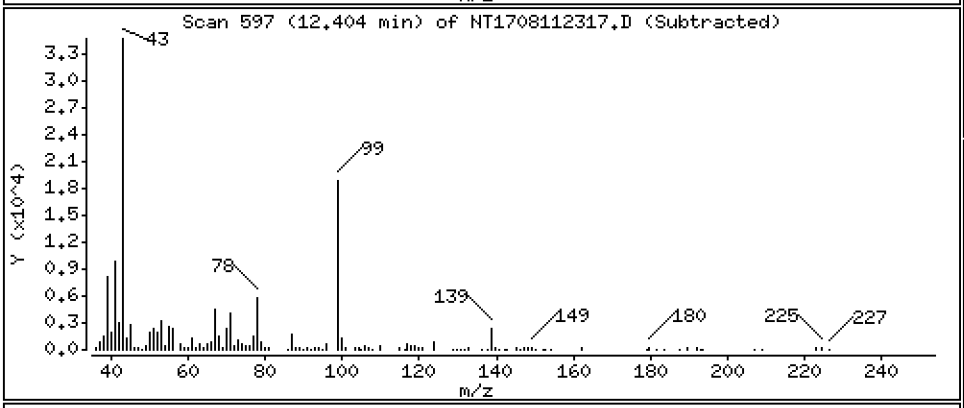
Column phase: ZB-5msi

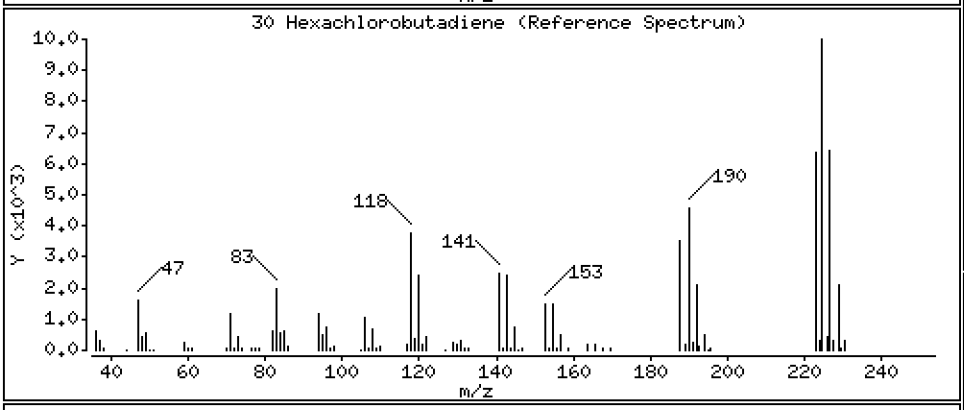
Column diameter: 0.25

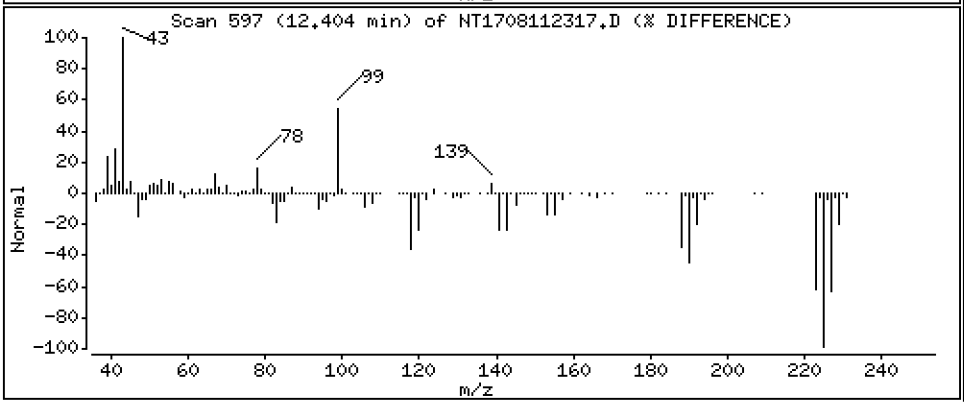
30 Hexachlorobutadiene

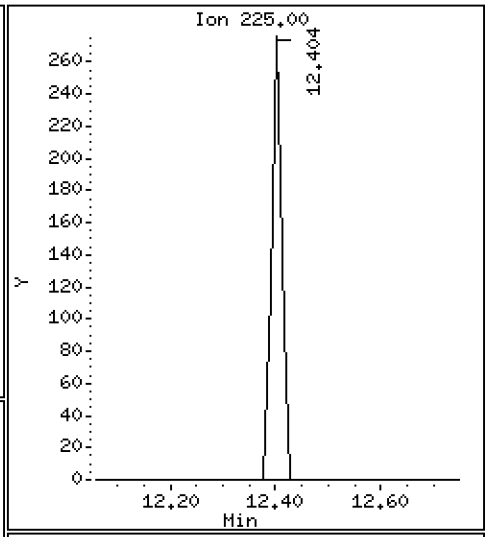
Concentration: 0.01077 ug/mL

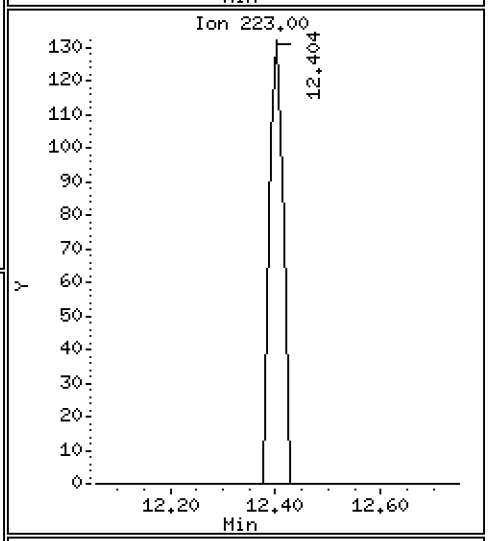


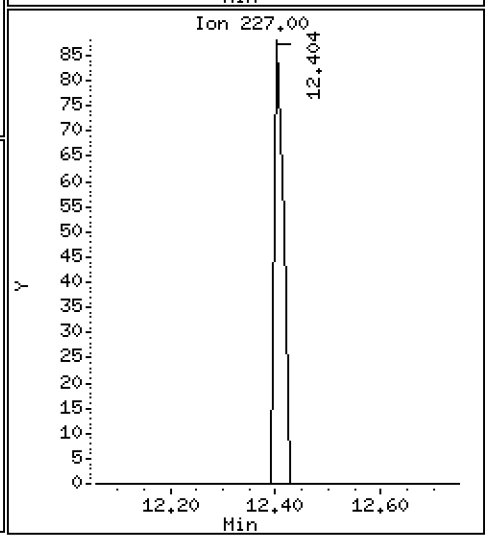












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

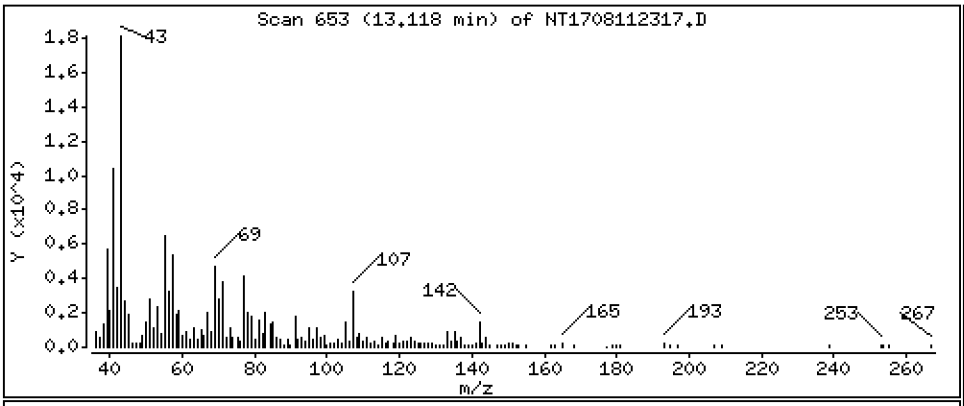
Operator: JGR

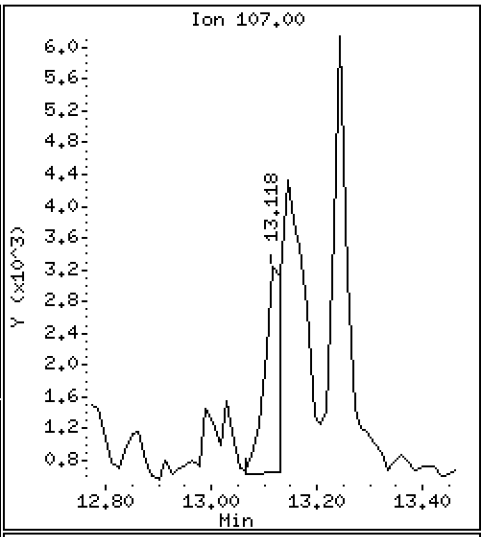
Column phase: ZB-5msi

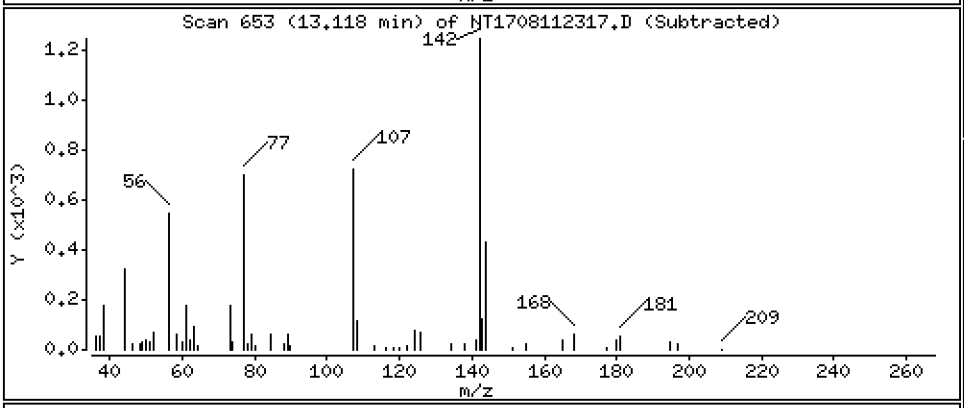
Column diameter: 0.25

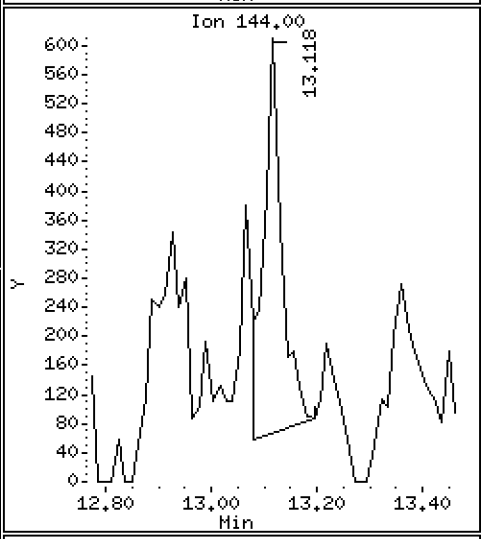
31 4-Chloro-3-methylphenol

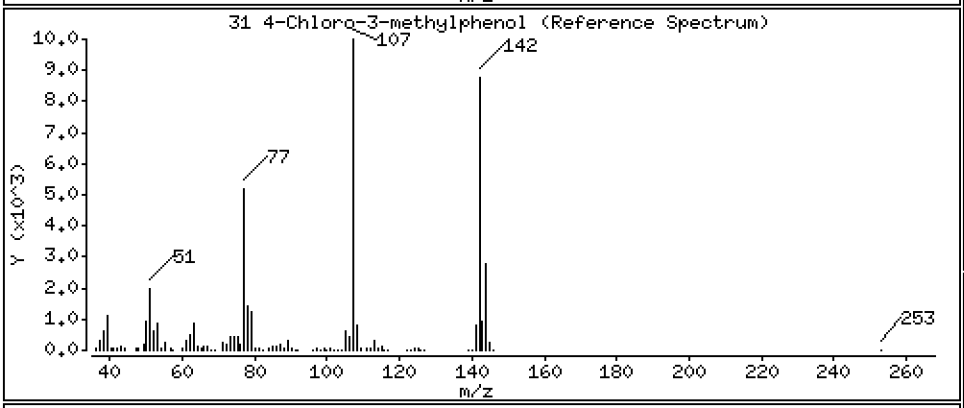
Concentration: 0.04653 ug/mL

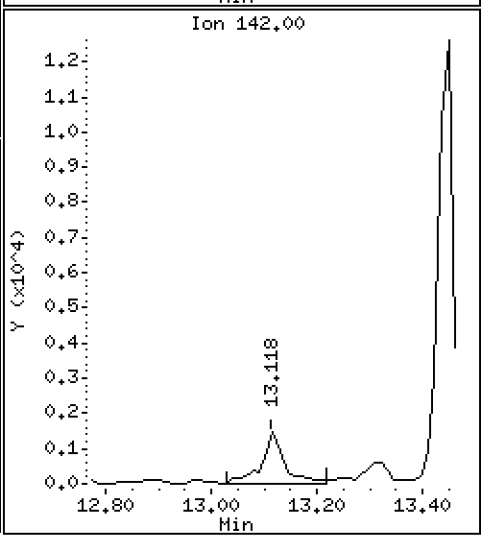


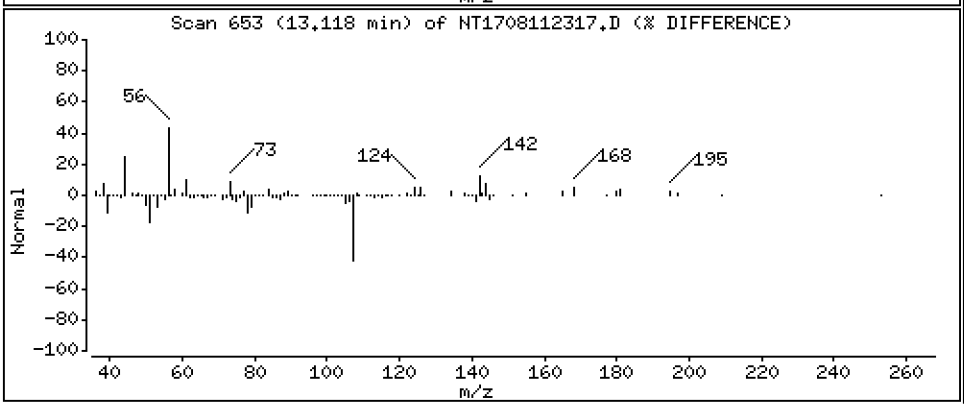












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

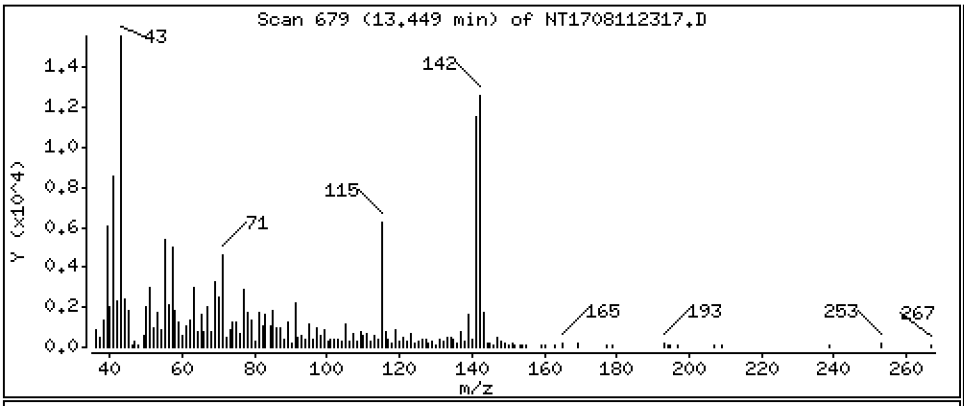
Operator: JGR

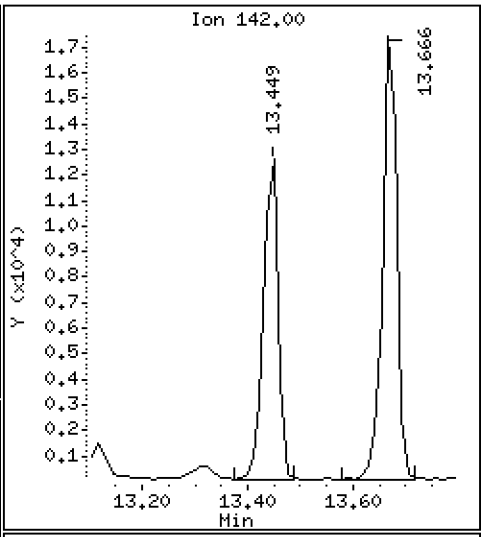
Column phase: ZB-5msi

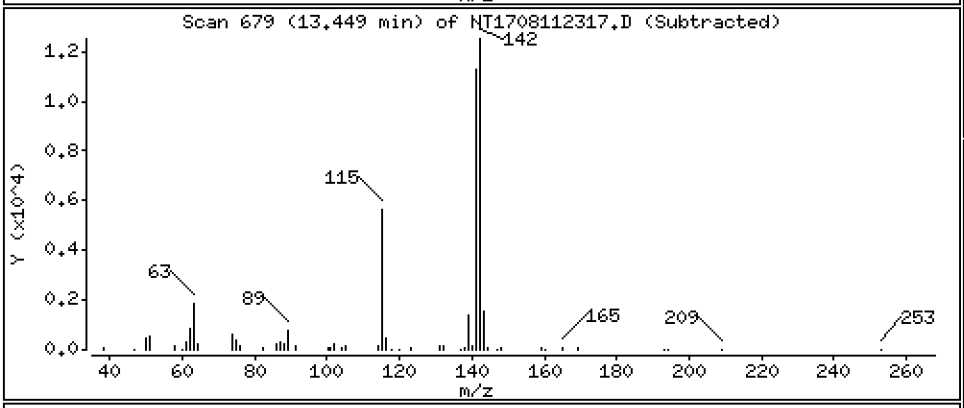
Column diameter: 0.25

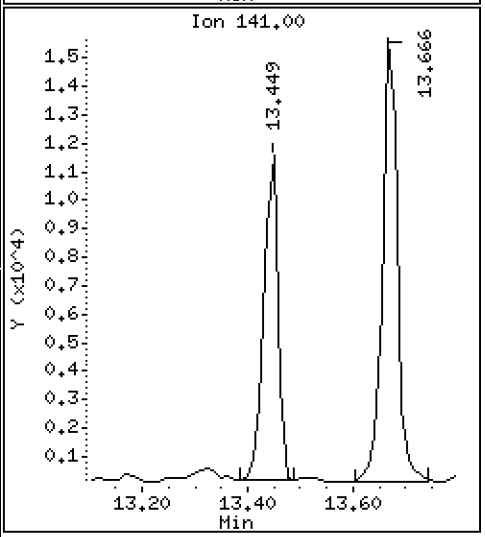
32 2-Methylnaphthalene

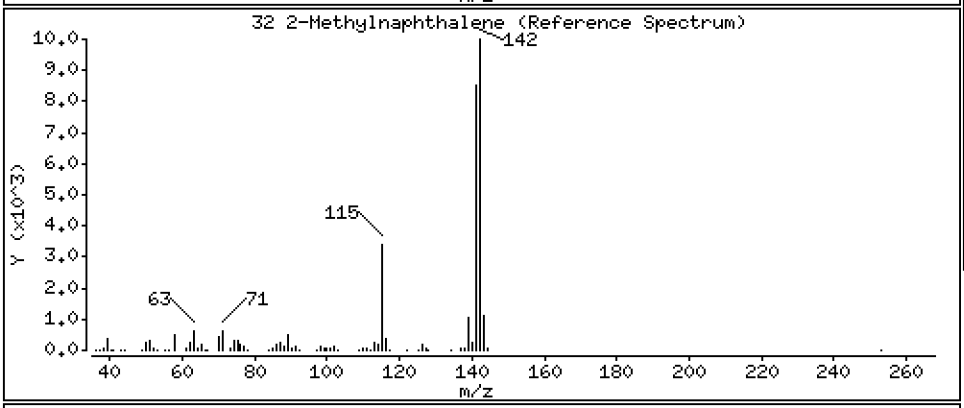
Concentration: 0.1136 ug/mL

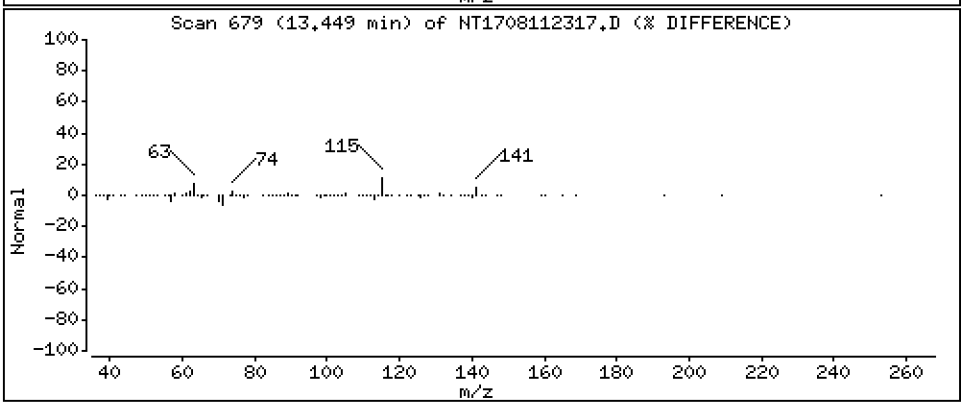












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

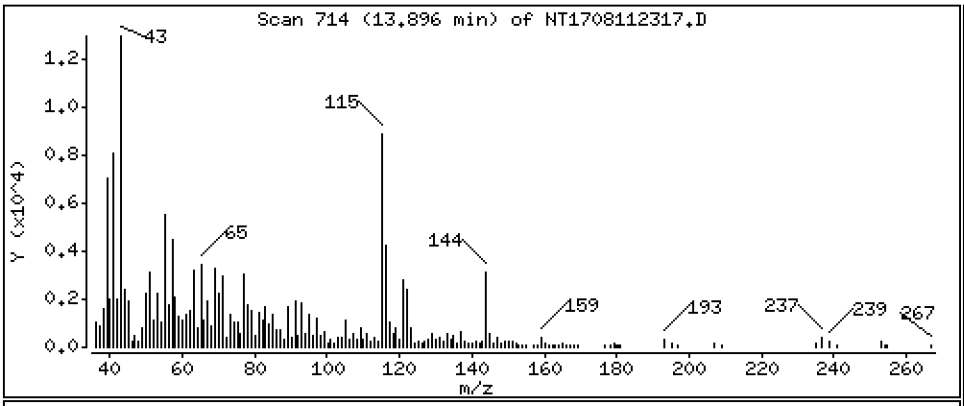
Operator: JGR

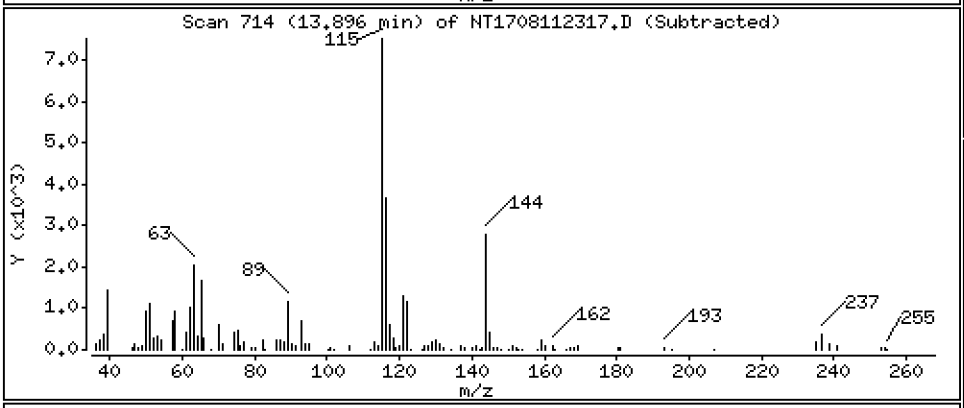
Column phase: ZB-5msi

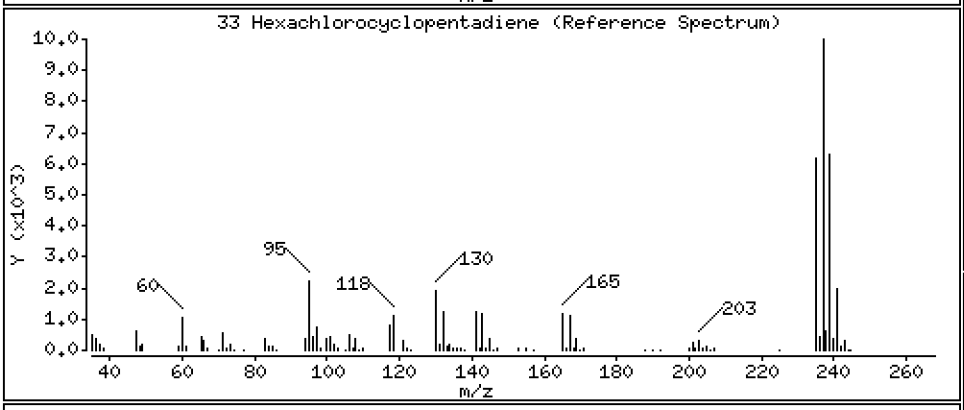
Column diameter: 0.25

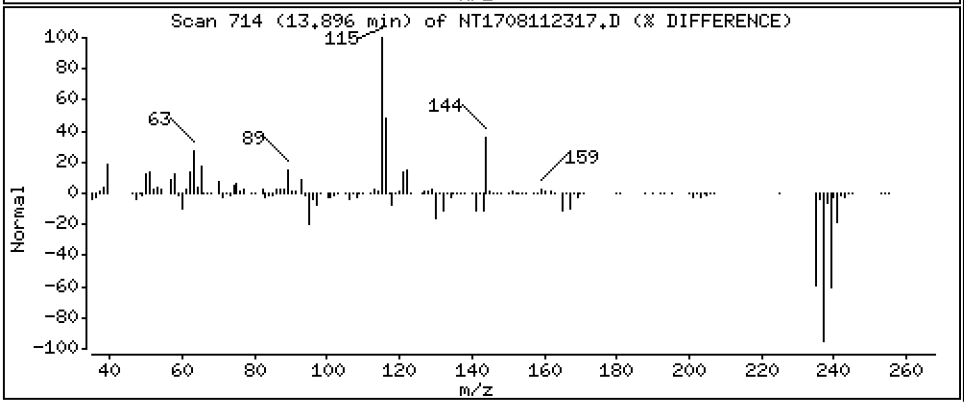
33 Hexachlorocyclopentadiene

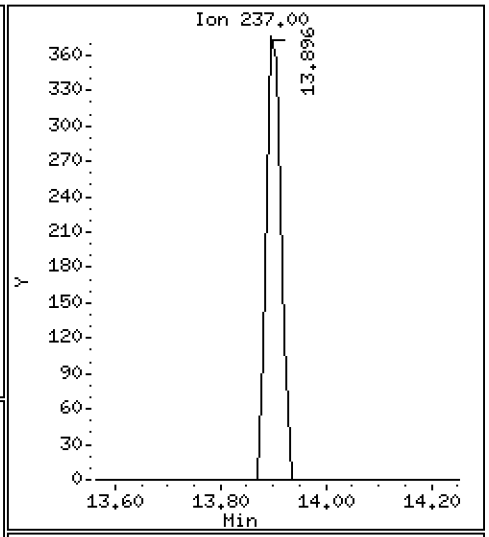
Concentration: 0.01560 ug/mL

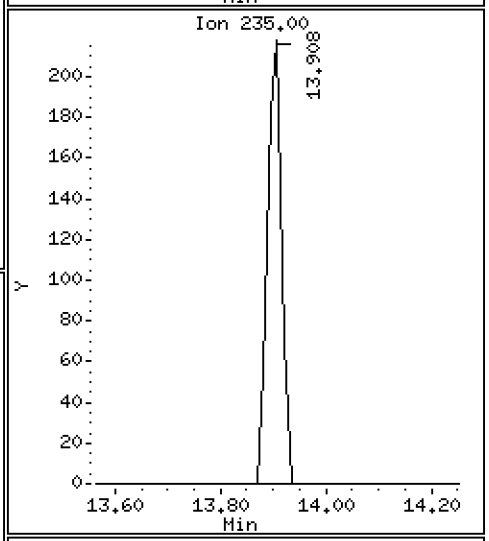


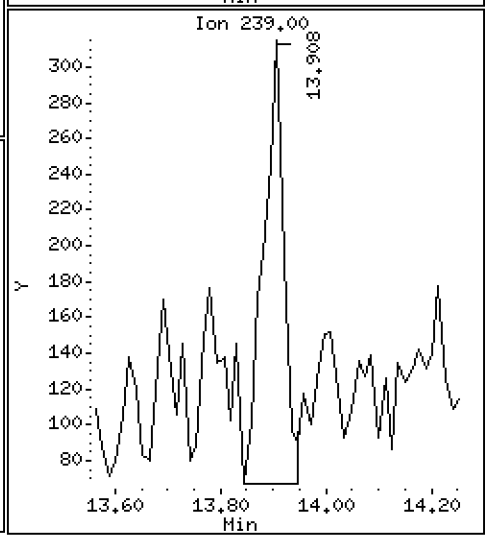












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

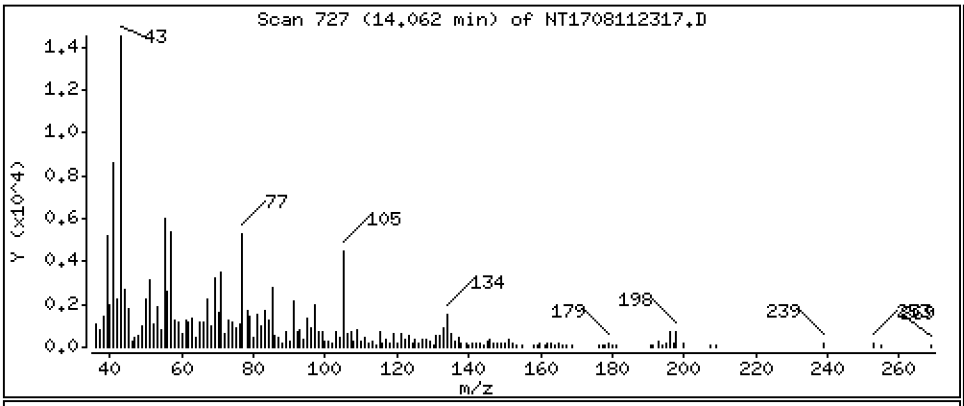
Operator: JGR

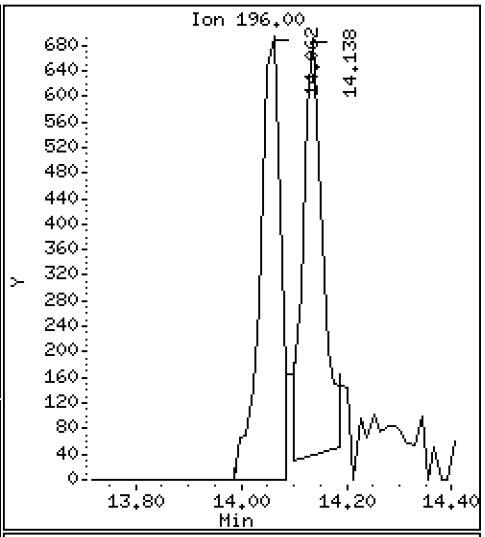
Column phase: ZB-5msi

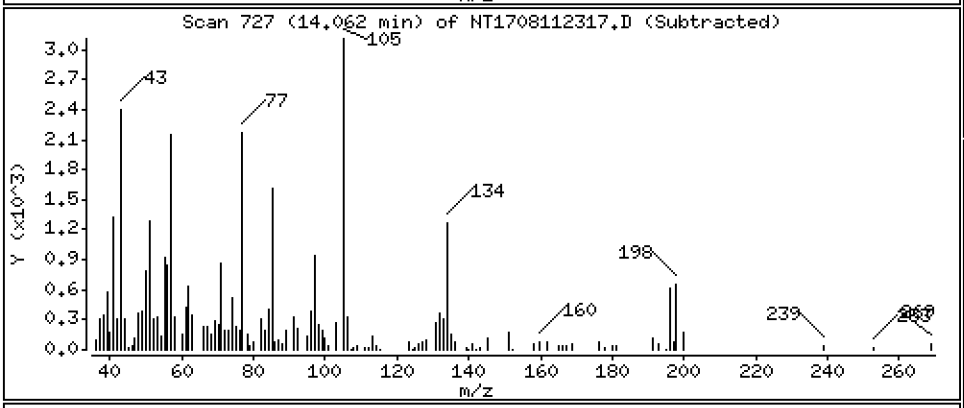
Column diameter: 0.25

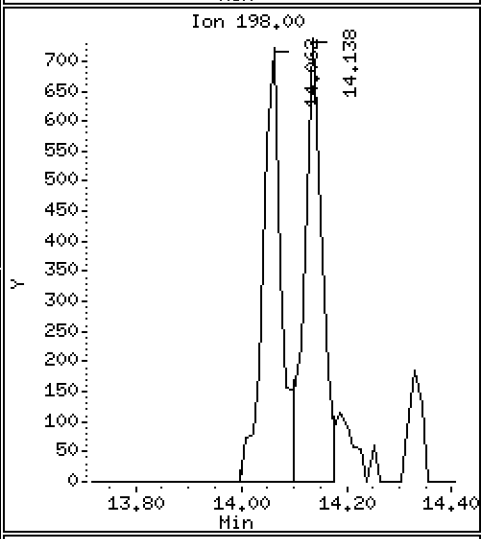
34 2,4,6-Trichlorophenol

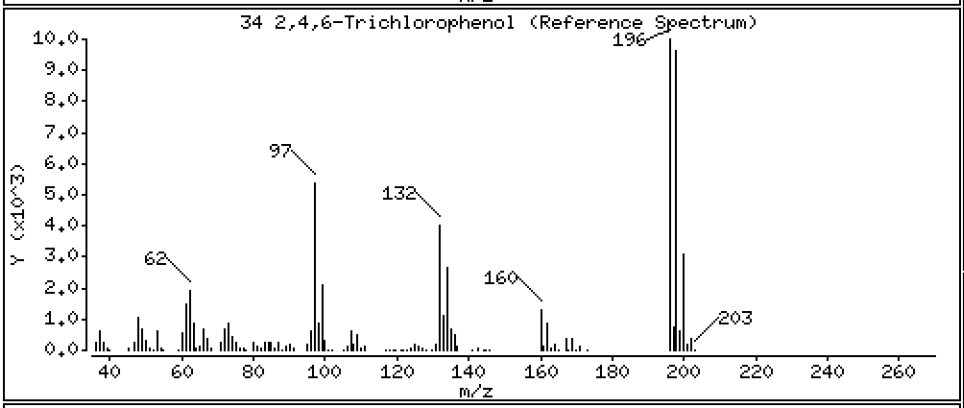
Concentration: 0.03648 ug/mL

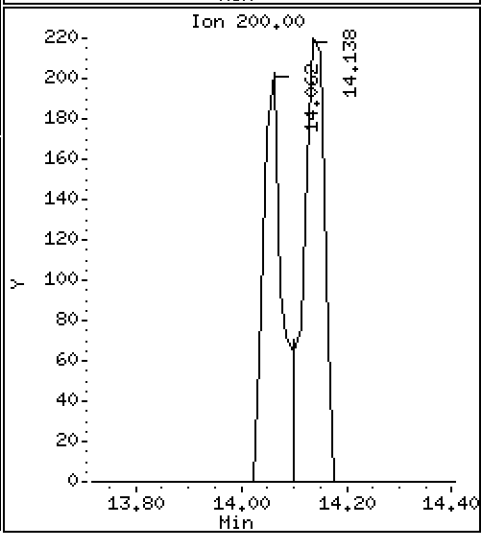


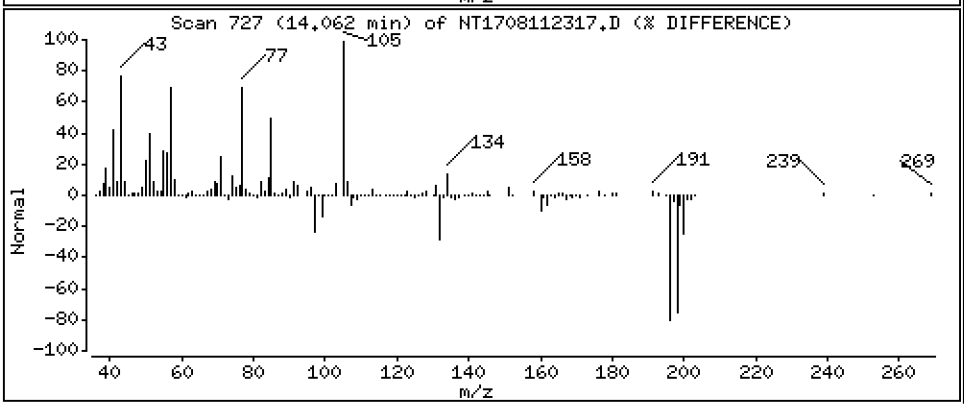












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

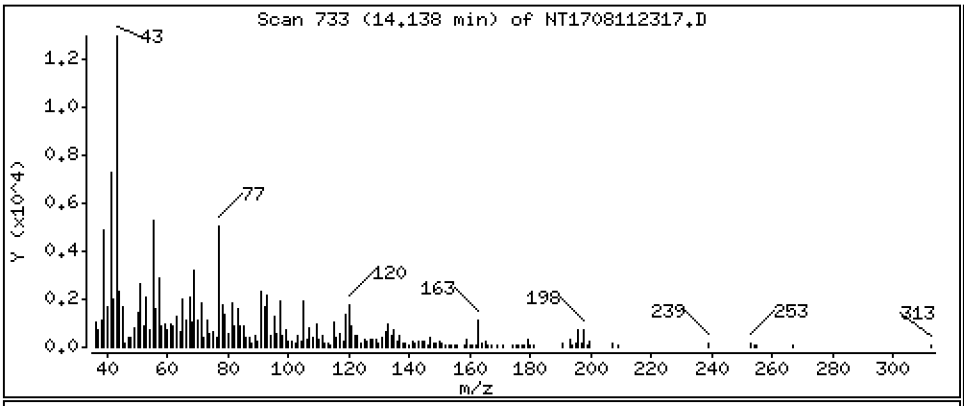
Operator: JGR

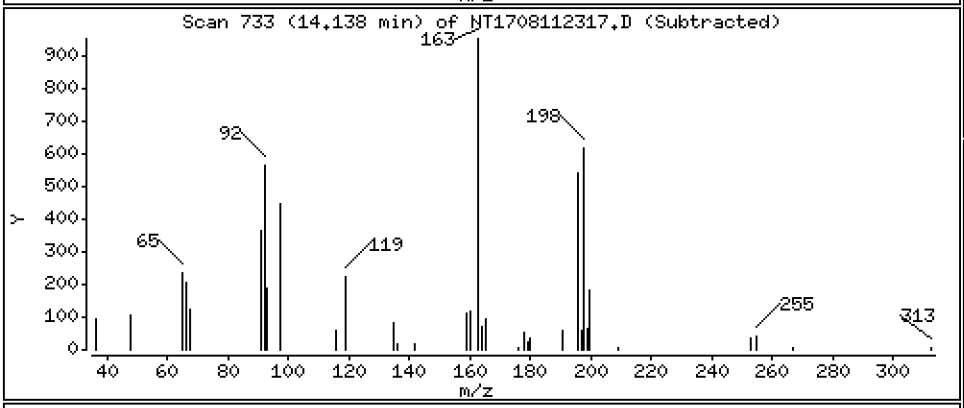
Column phase: ZB-5msi

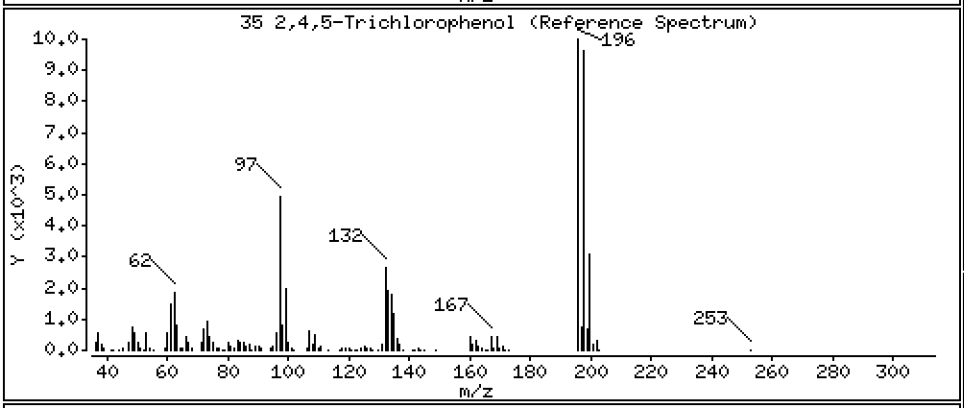
Column diameter: 0.25

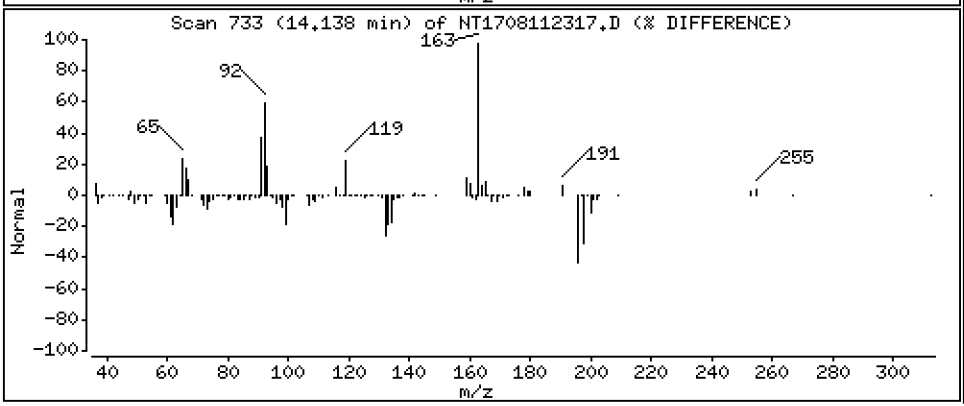
35 2,4,5-Trichlorophenol

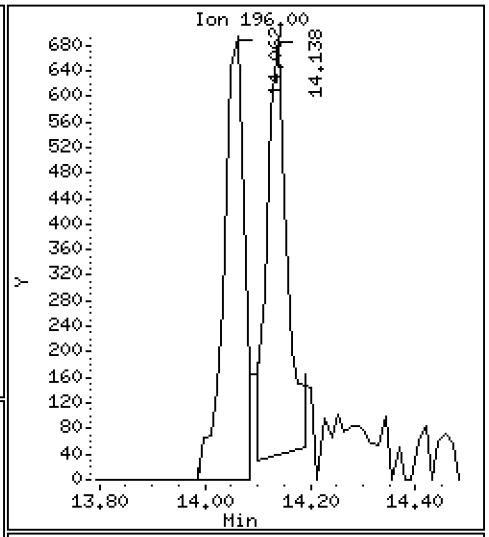
Concentration: 0.03776 ug/mL

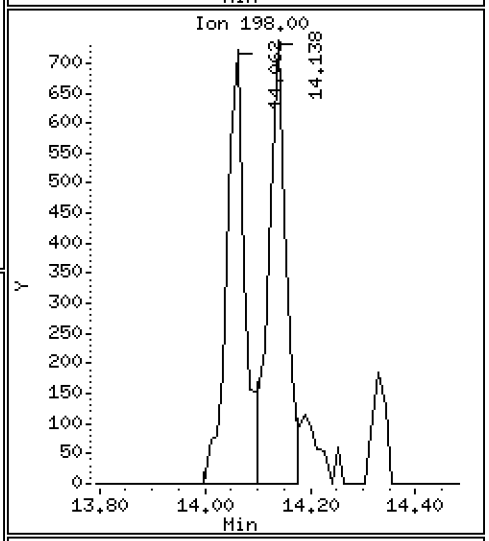


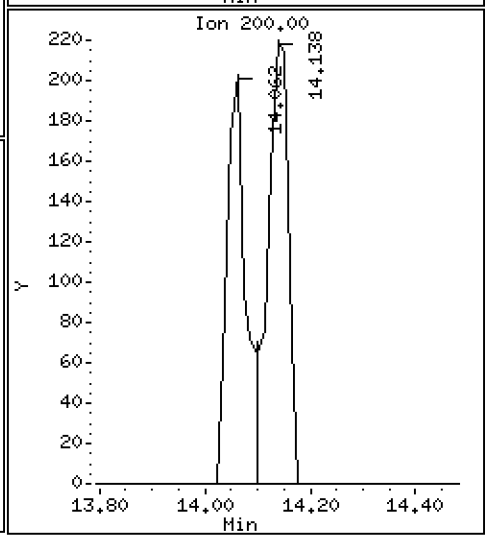












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

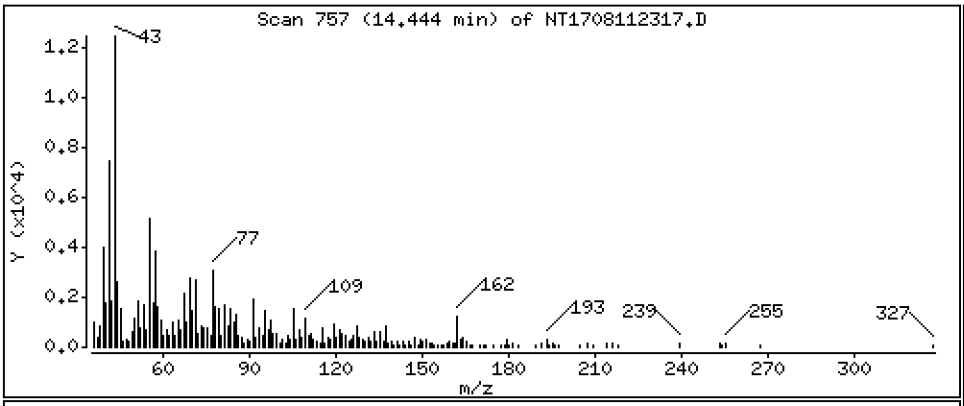
Operator: JGR

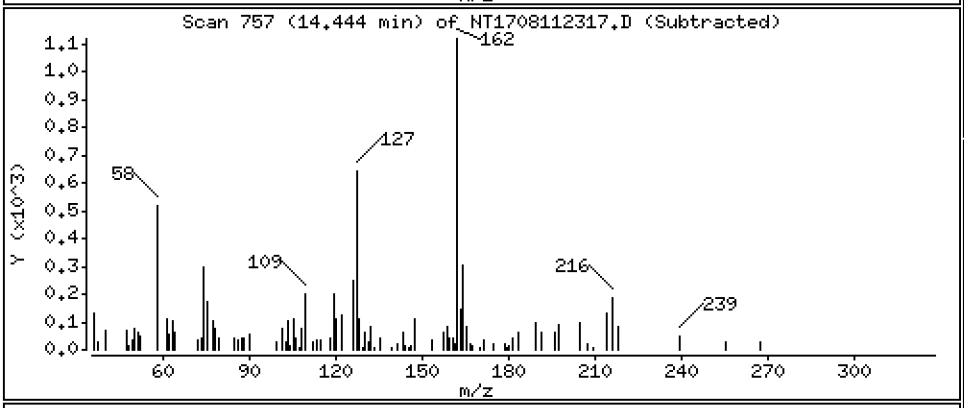
Column phase: ZB-5msi

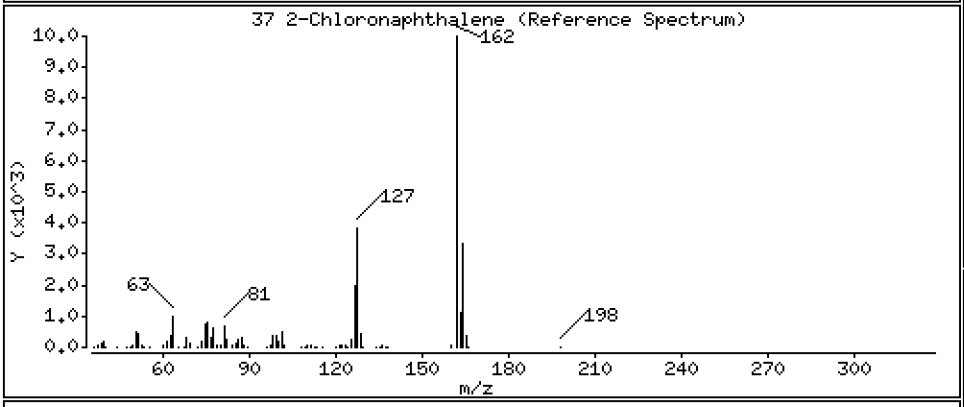
Column diameter: 0.25

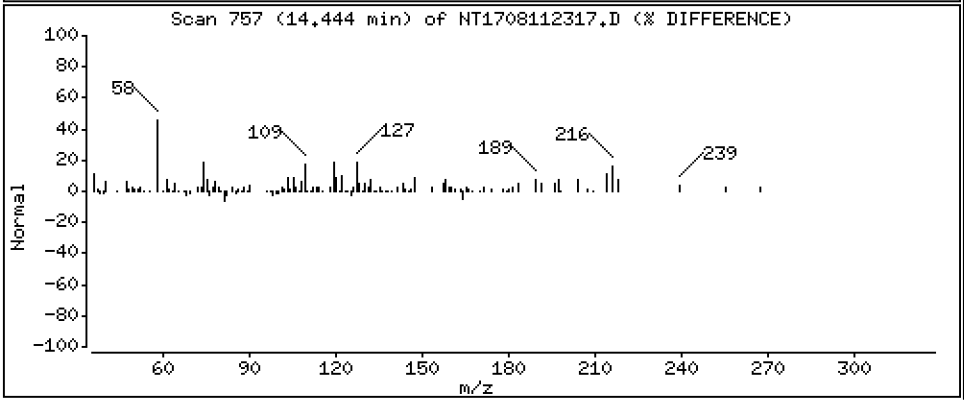
37 2-Chloronaphthalene

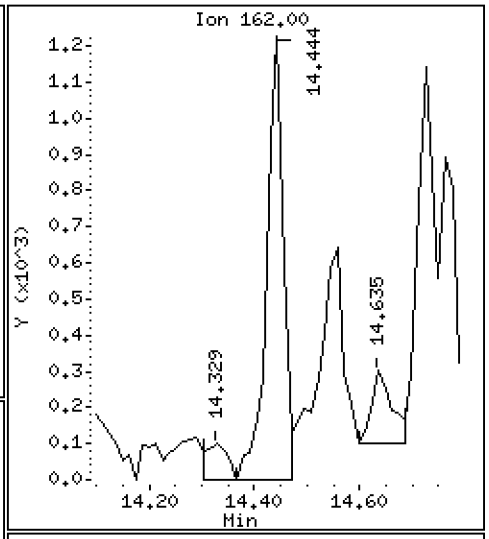
Concentration: 0.01610 ug/mL

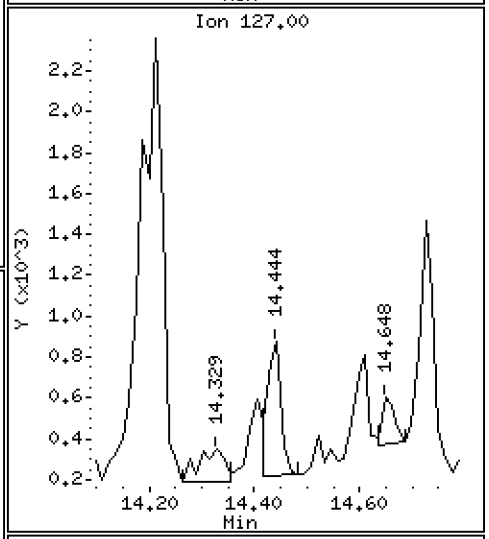


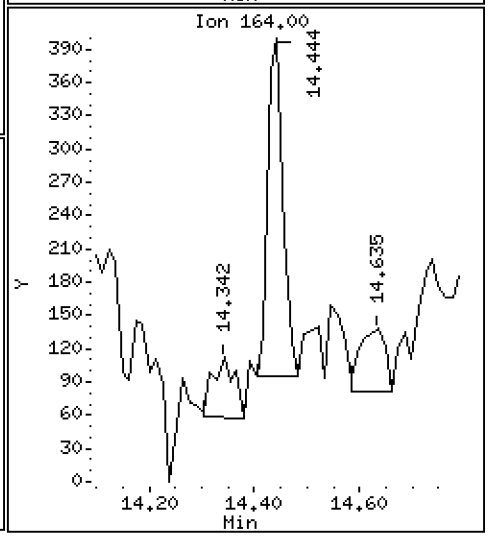












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

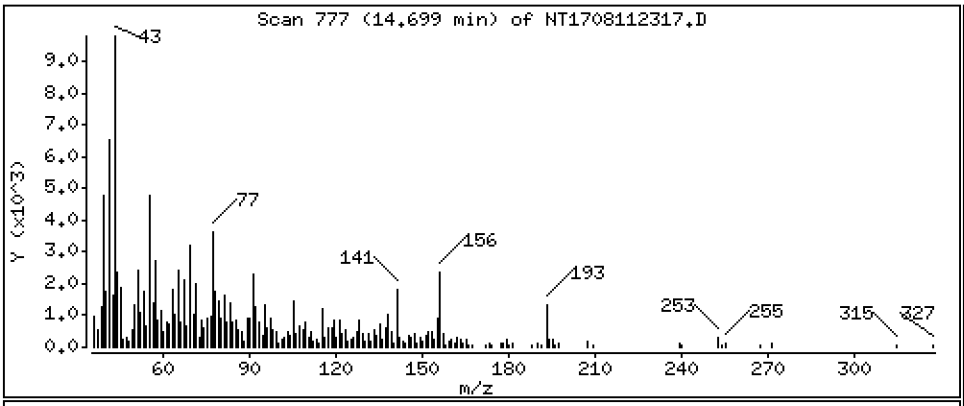
Operator: JGR

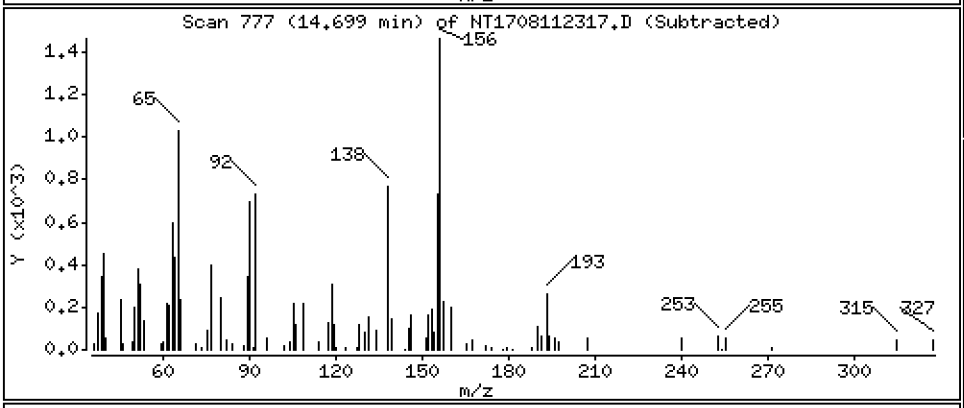
Column phase: ZB-5msi

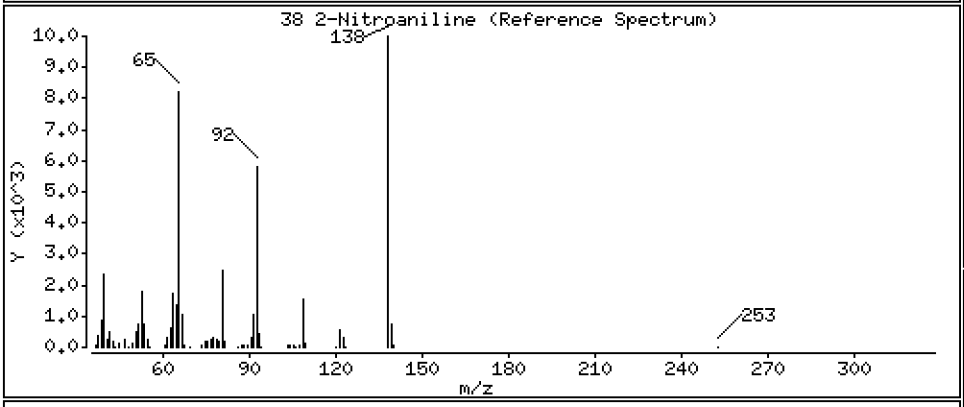
Column diameter: 0.25

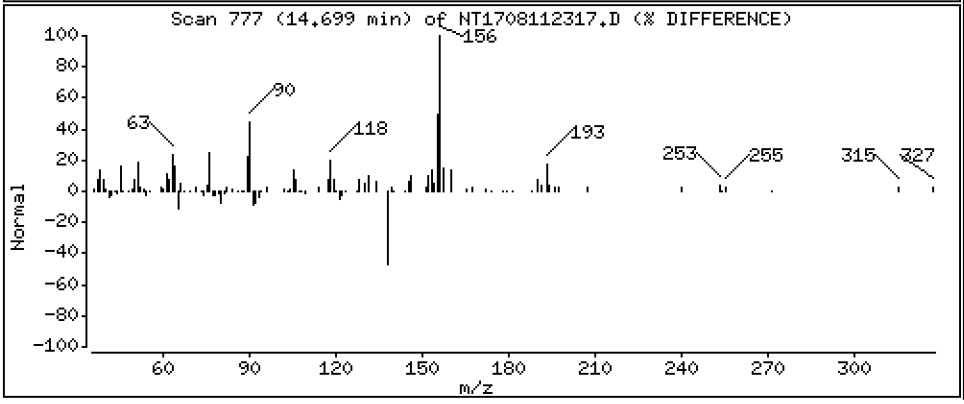
38 2-Nitroaniline

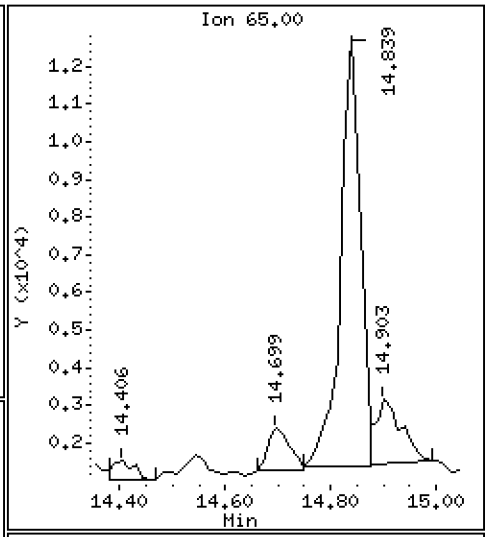
Concentration: 0.02528 ug/mL

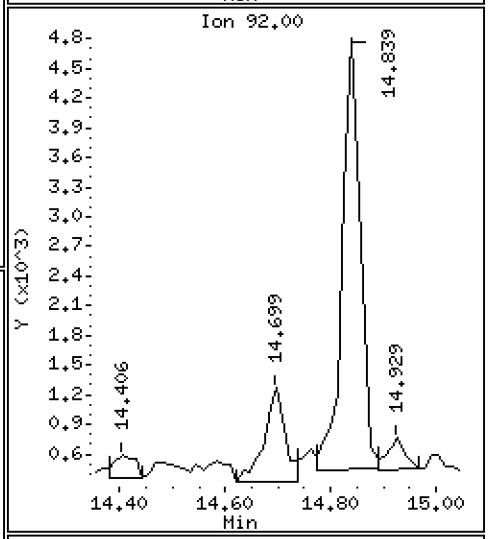


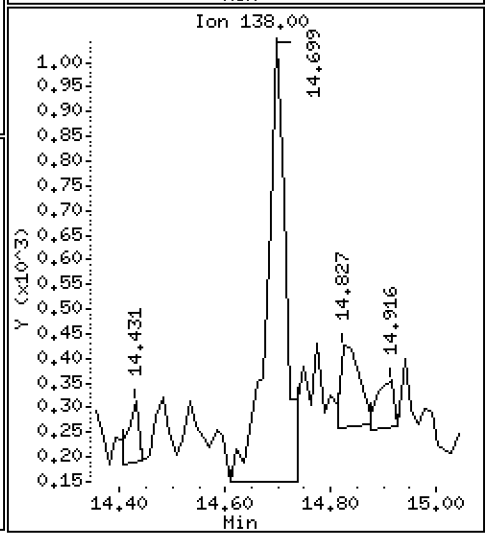












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

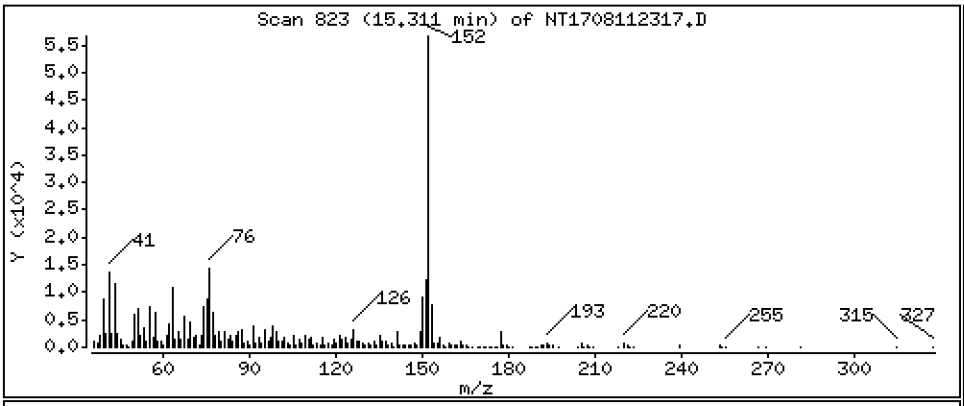
Operator: JGR

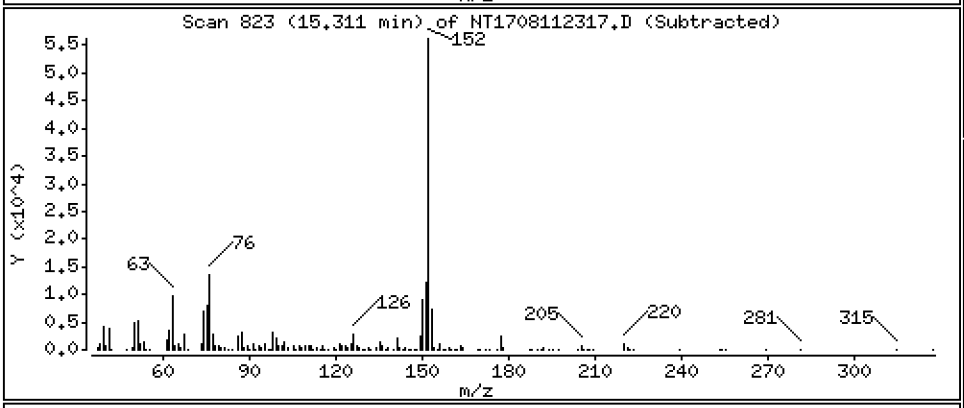
Column phase: ZB-5msi

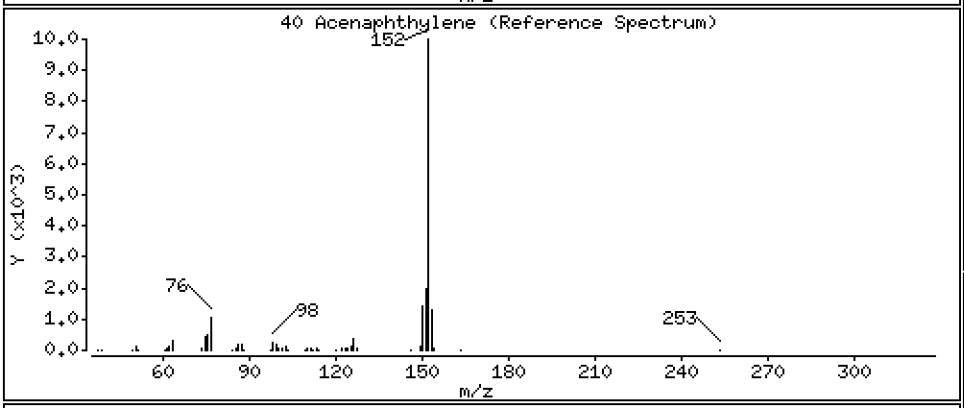
Column diameter: 0.25

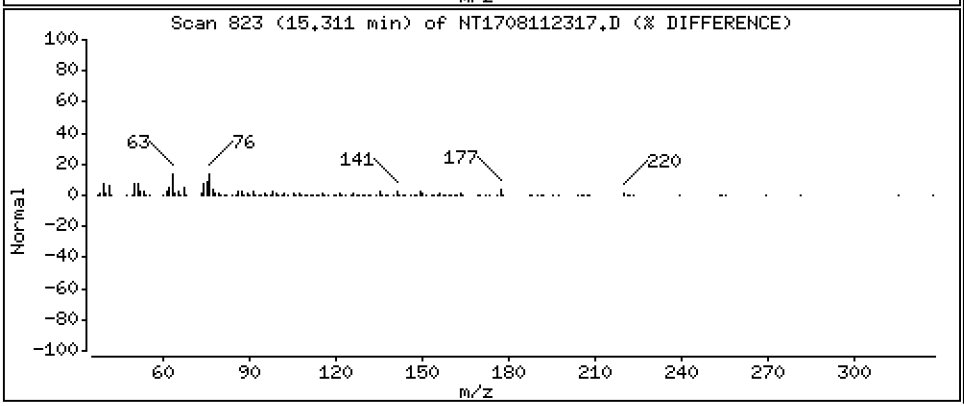
40 Acenaphthylene

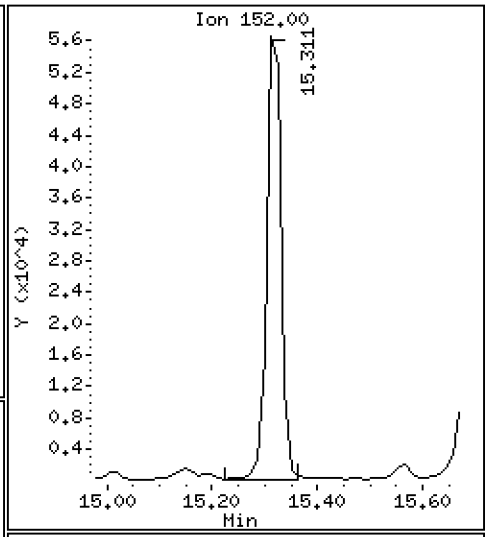
Concentration: 0.4246 ug/mL

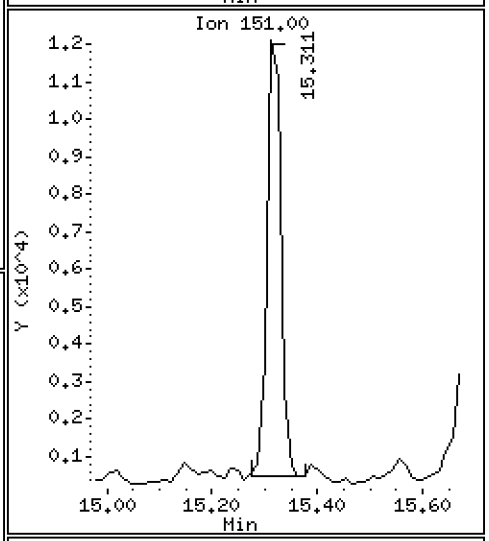


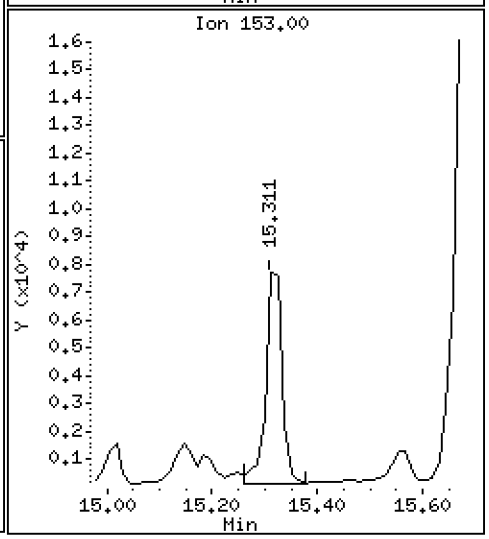












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

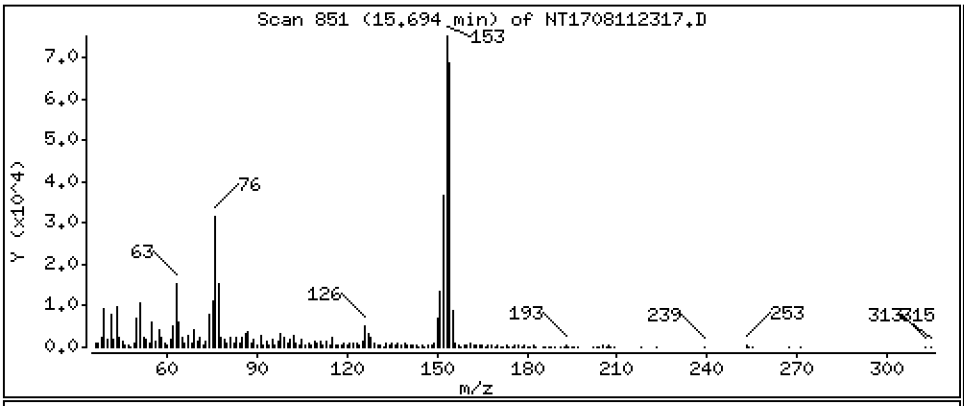
Operator: JGR

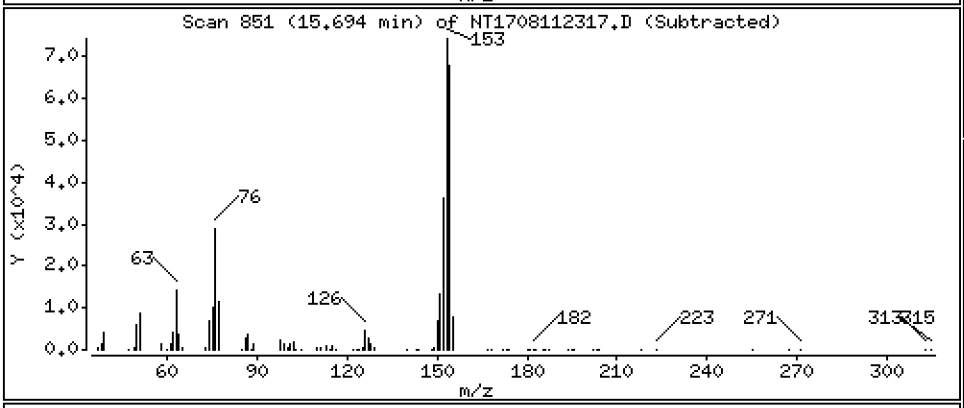
Column phase: ZB-5msi

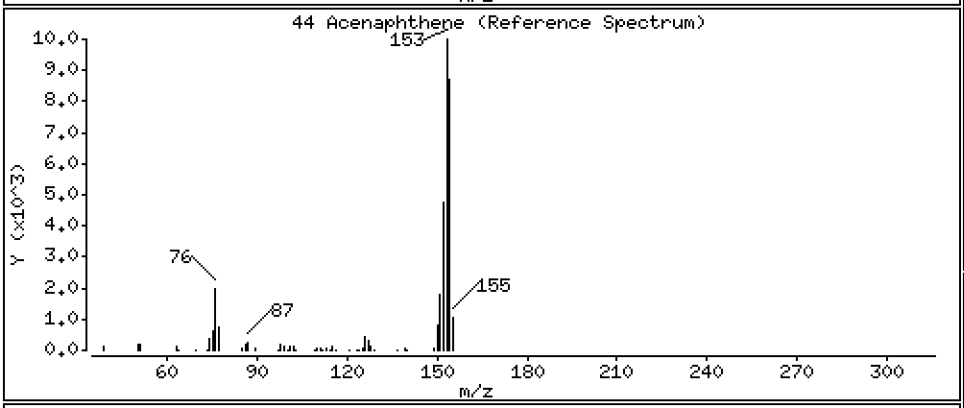
Column diameter: 0.25

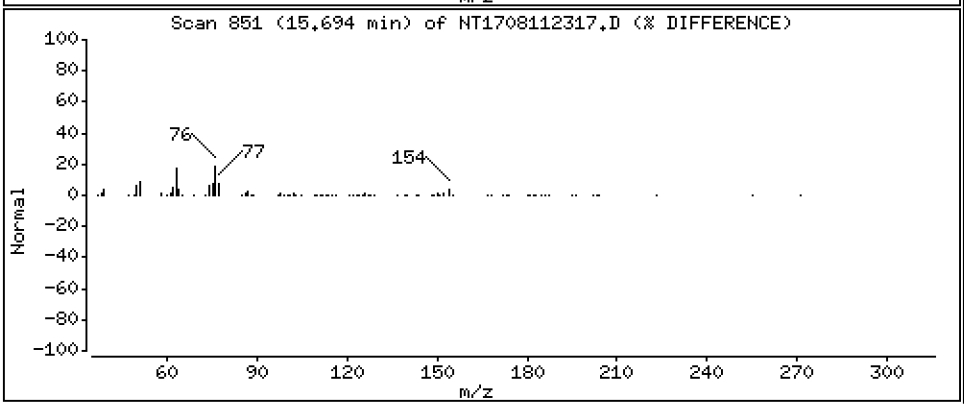
44 Acenaphthene

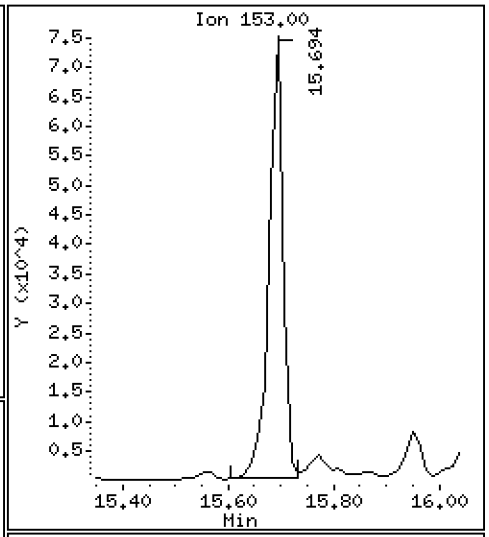
Concentration: 0.8792 ug/mL

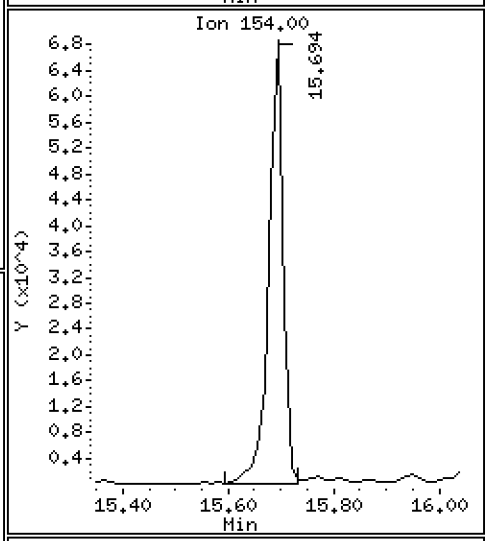


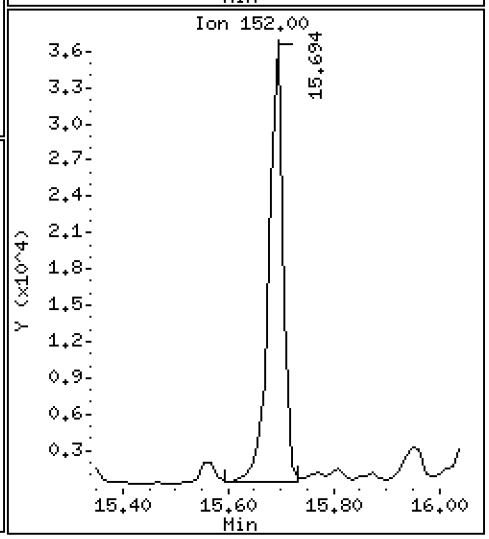












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

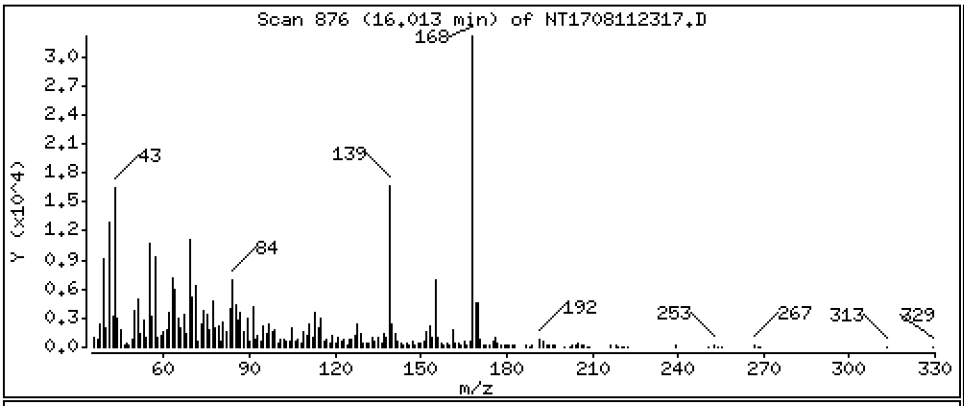
Operator: JGR

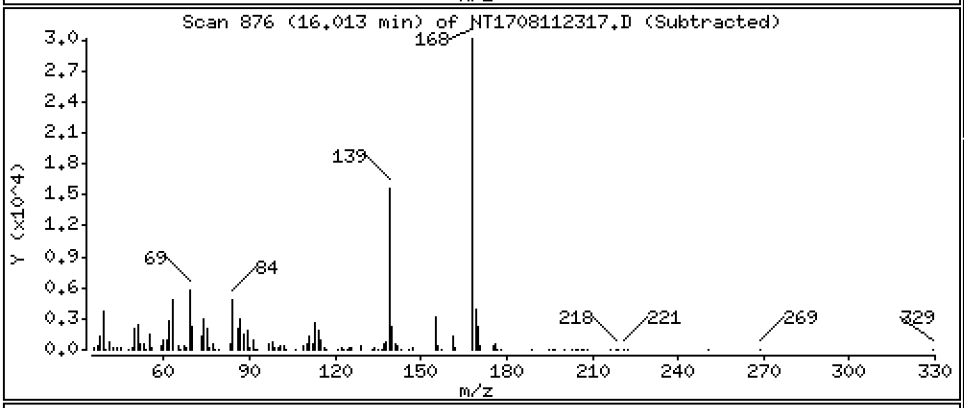
Column phase: ZB-5msi

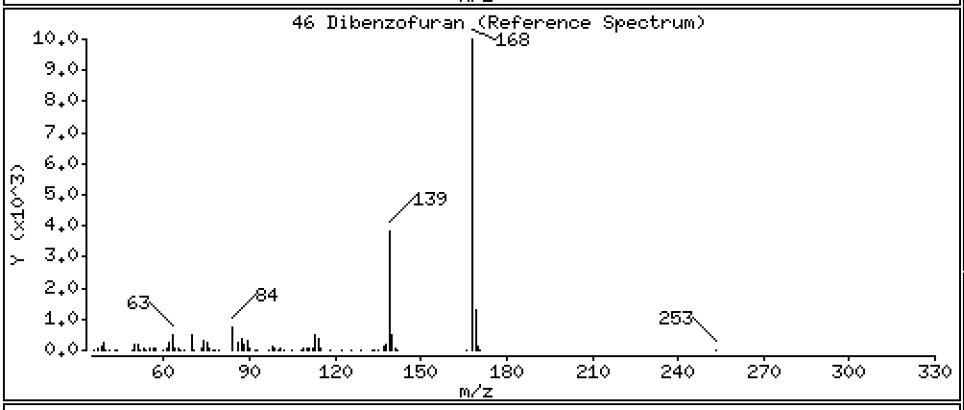
Column diameter: 0.25

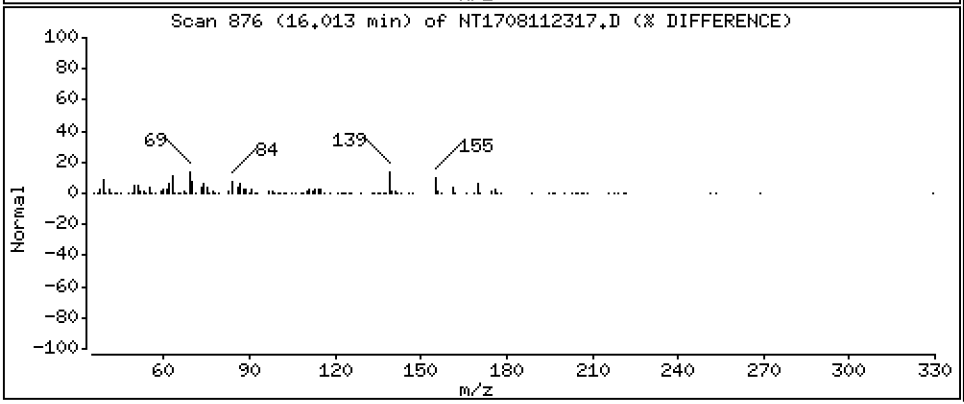
46 Dibenzofuran

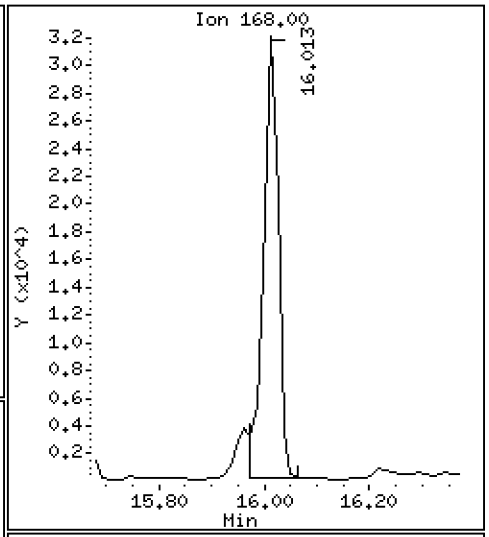
Concentration: 0.2784 ug/mL

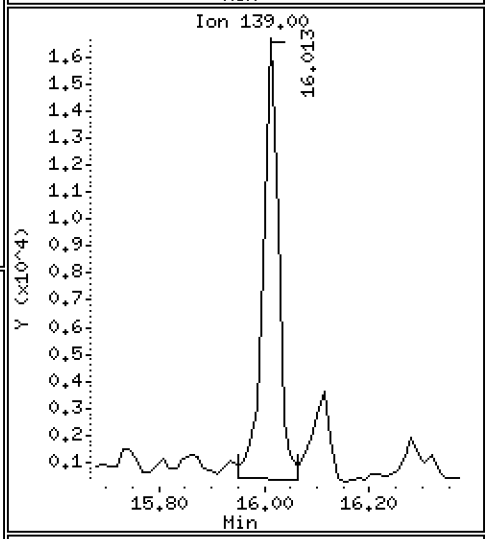


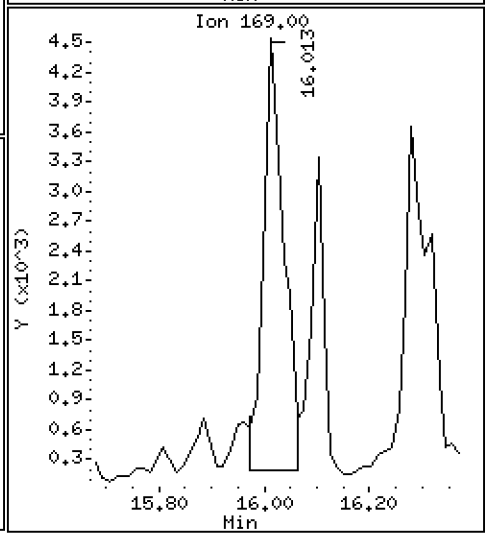












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

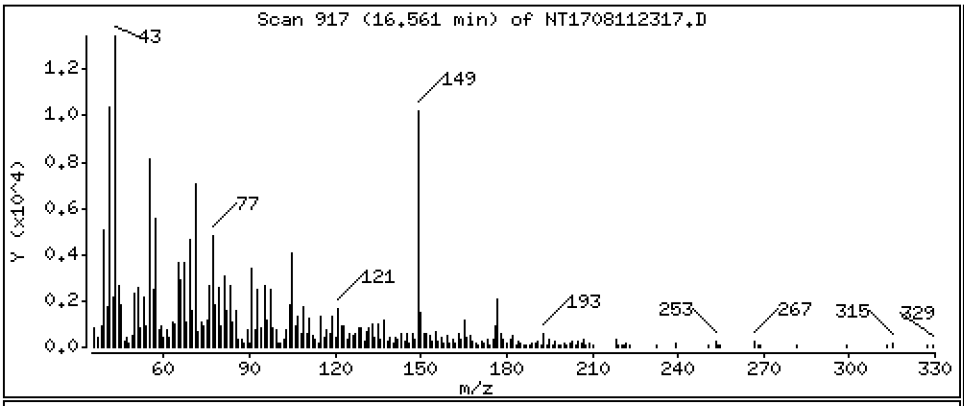
Operator: JGR

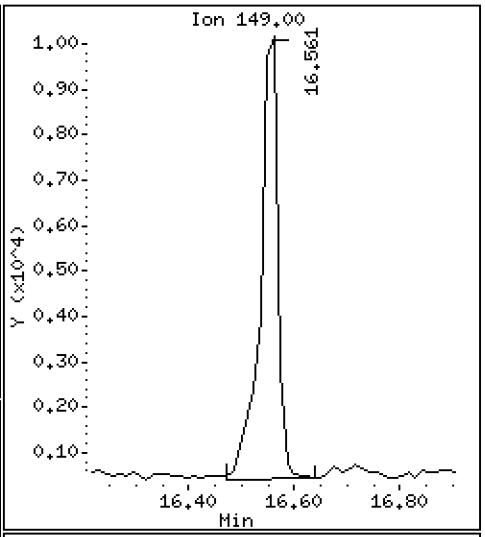
Column phase: ZB-5msi

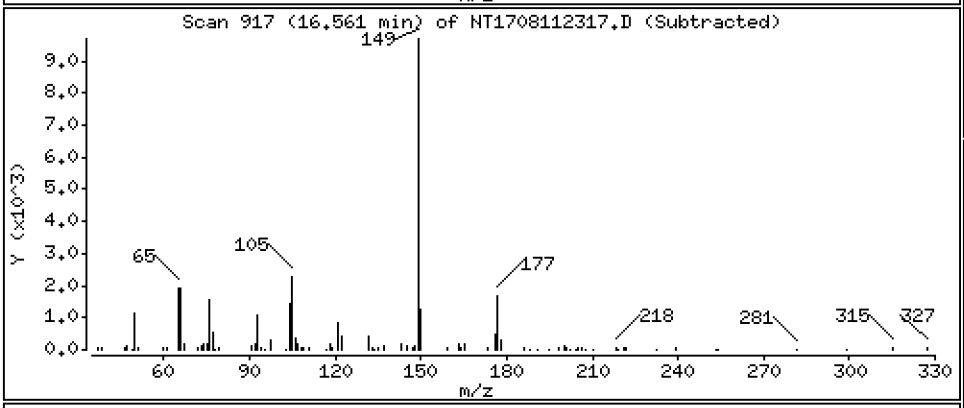
Column diameter: 0.25

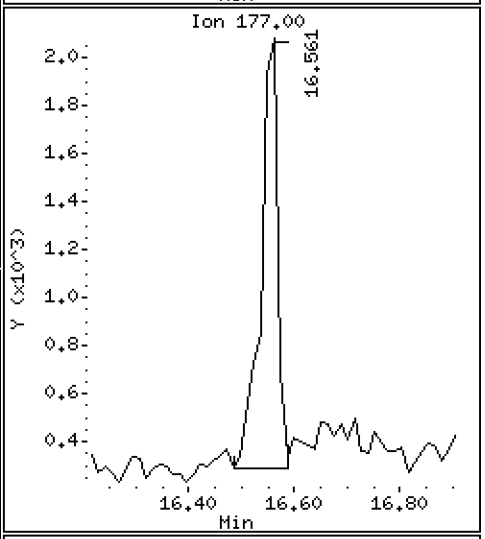
50 Diethylphthalate

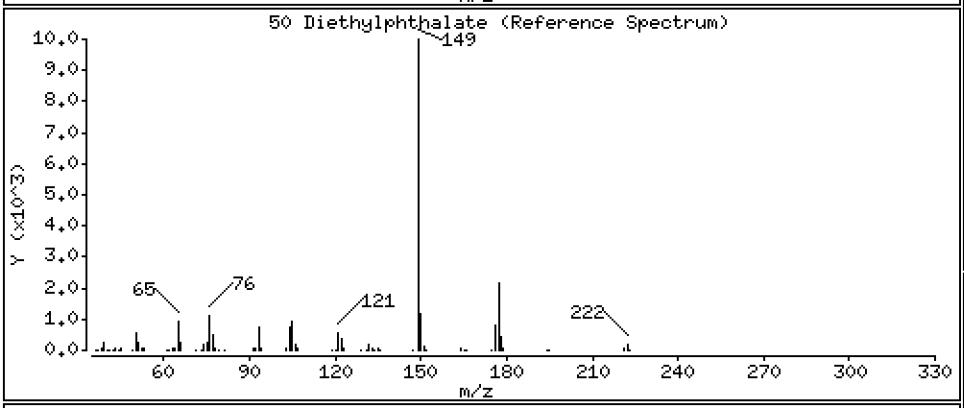
Concentration: 0.1211 ug/mL

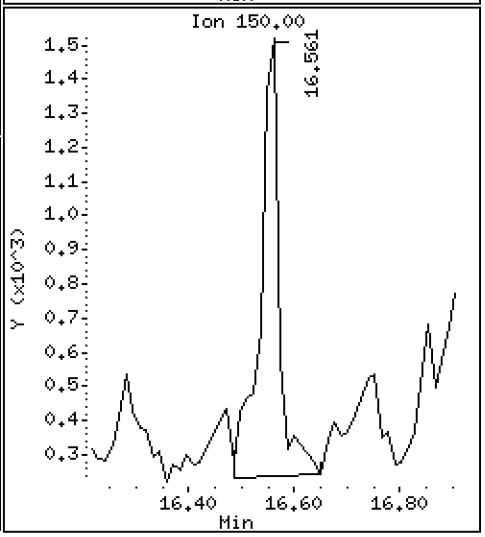


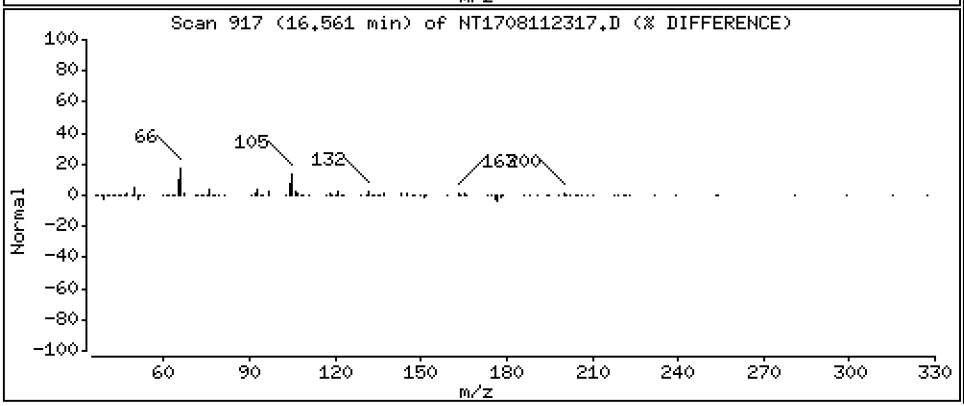












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

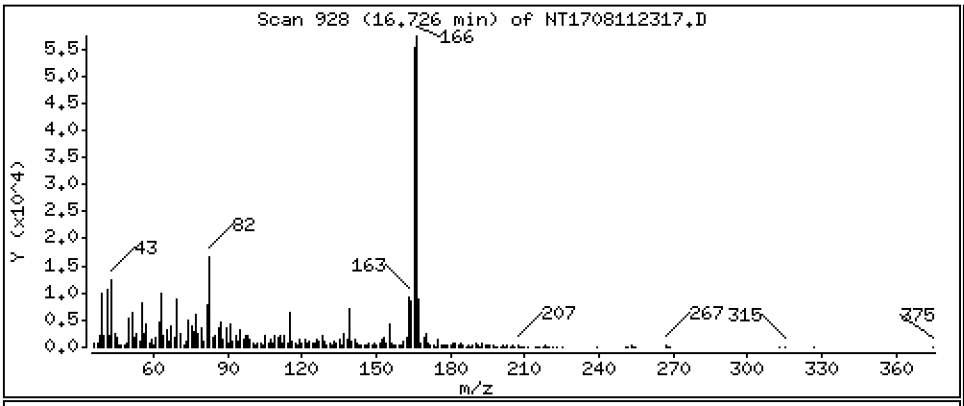
Operator: JGR

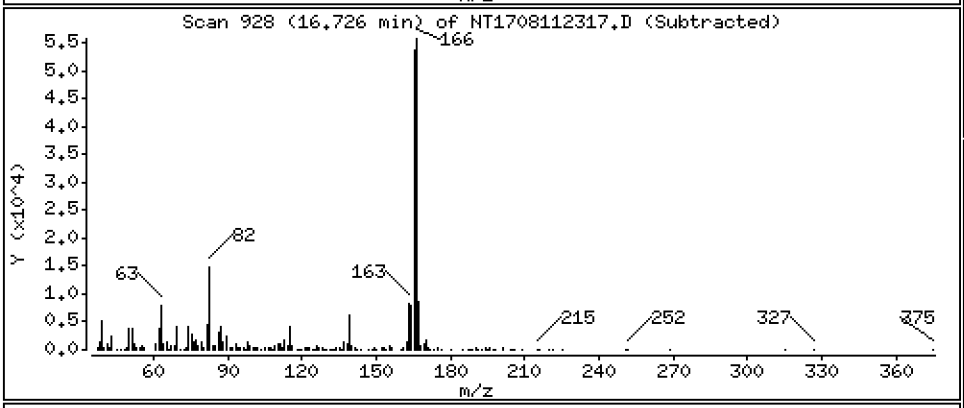
Column phase: ZB-5msi

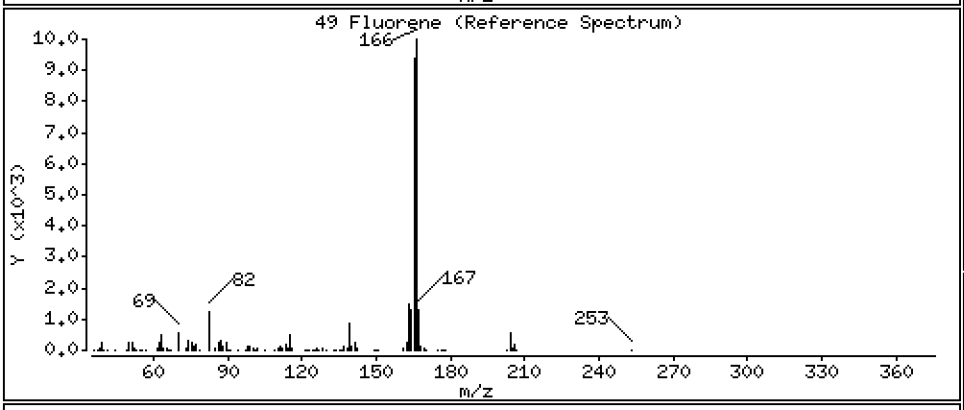
Column diameter: 0.25

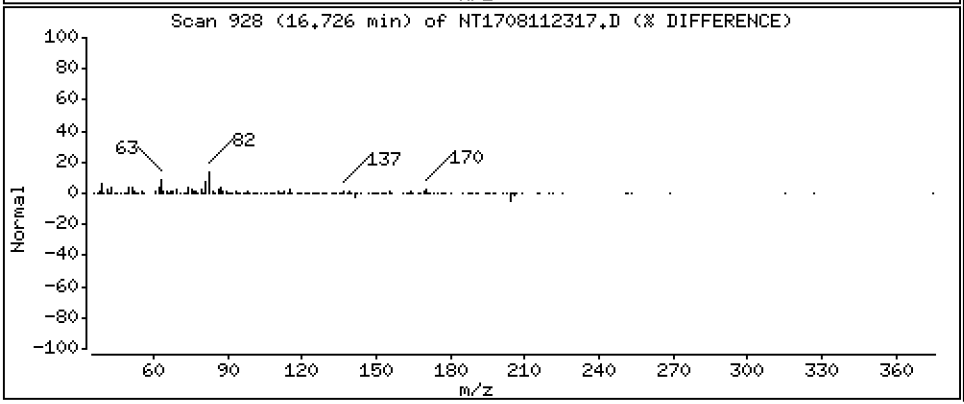
49 Fluorene

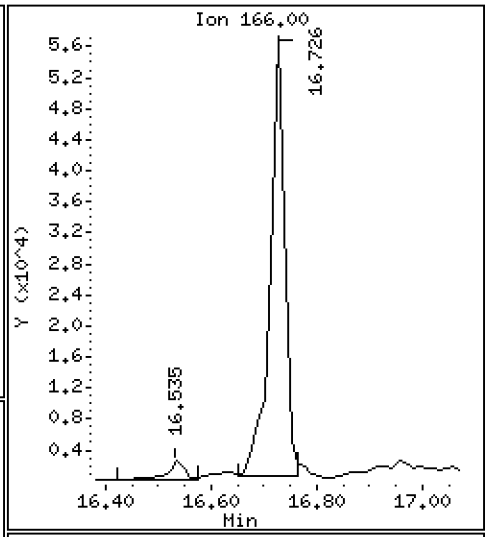
Concentration: 0.6317 ug/mL

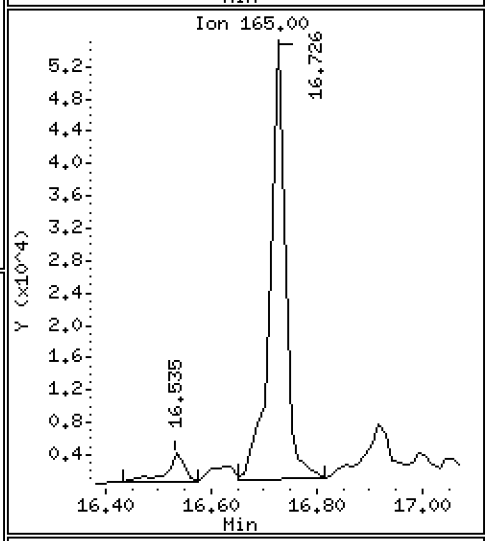


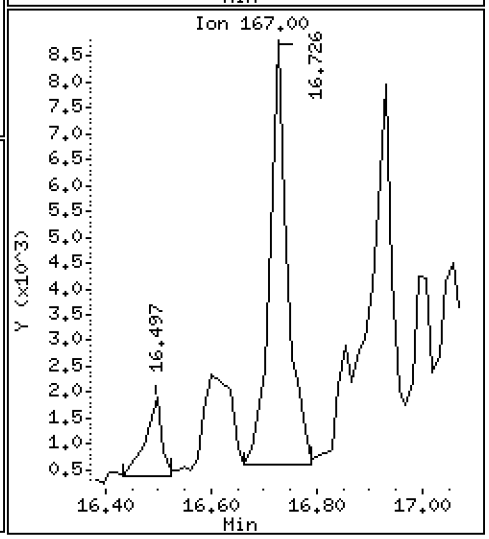












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

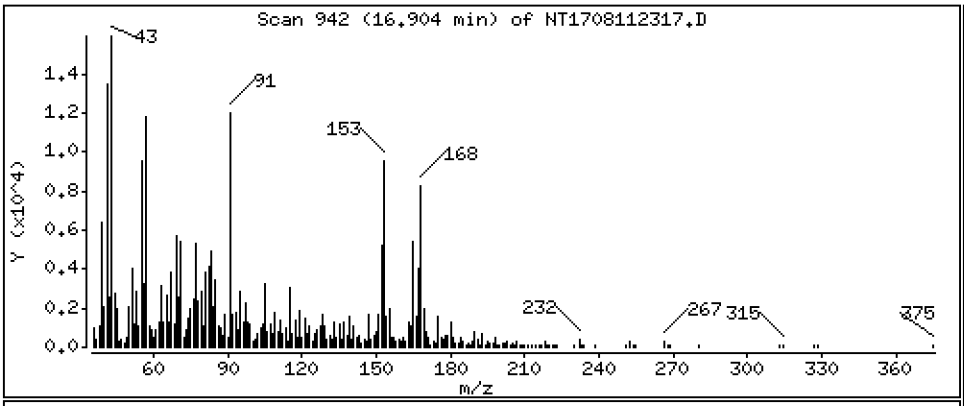
Operator: JGR

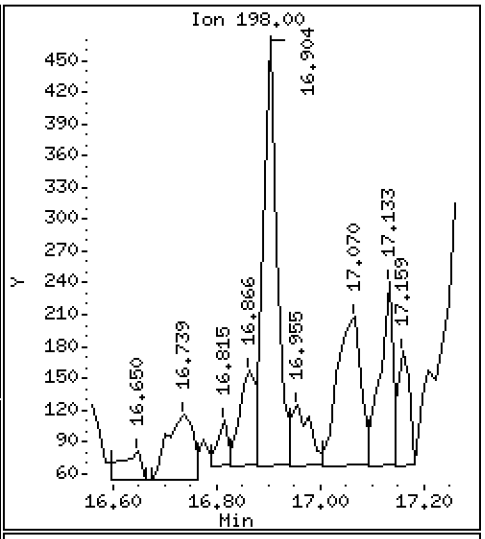
Column phase: ZB-5msi

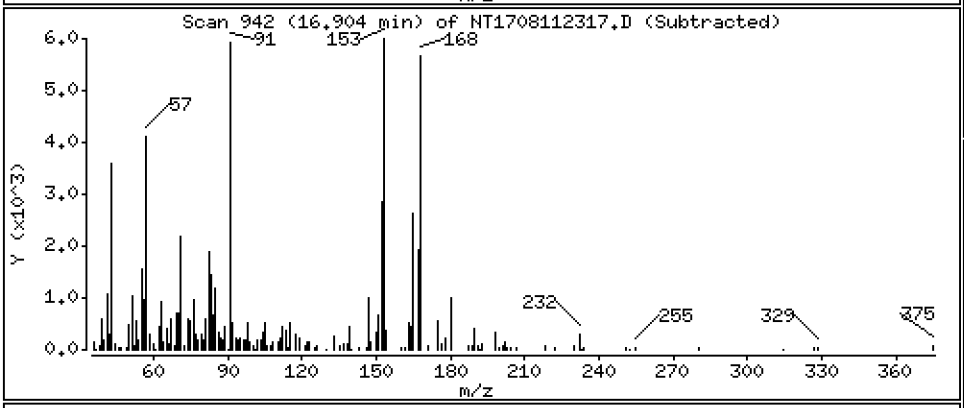
Column diameter: 0.25

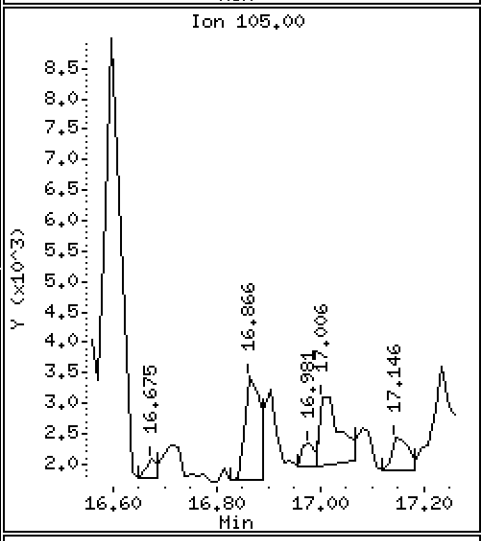
53 4,6-Dinitro-2-methylphenol

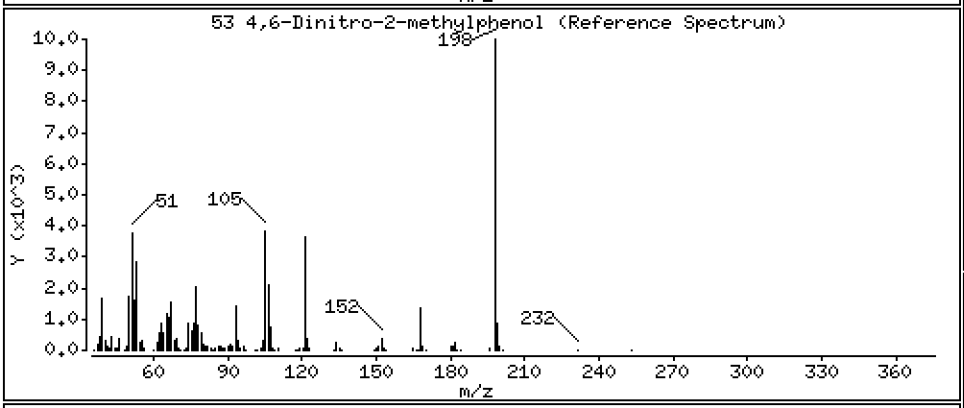
Concentration: 0.02575 ug/mL

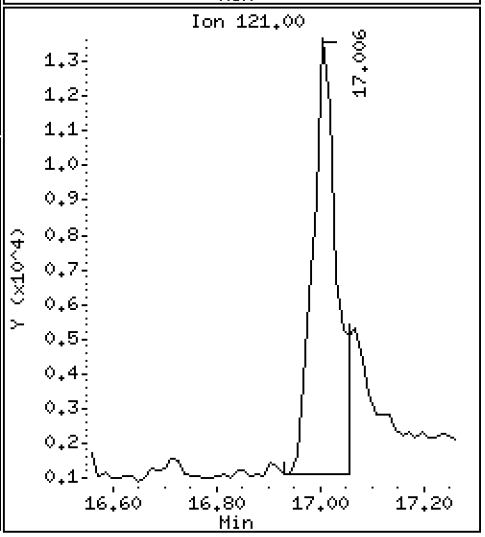


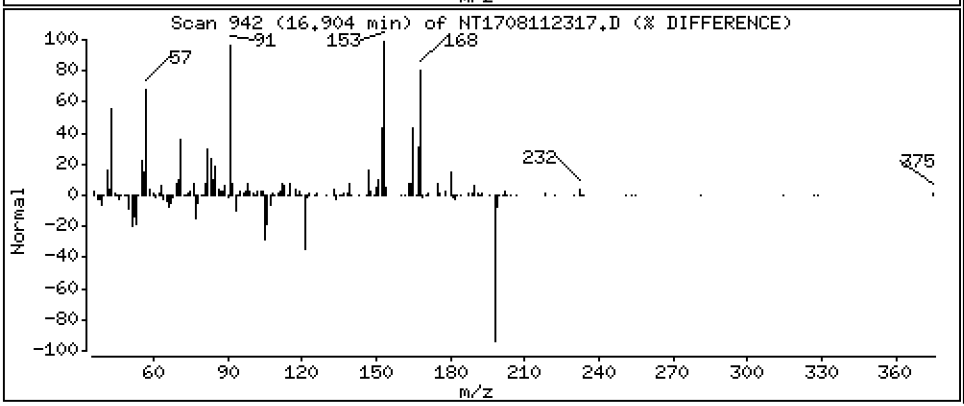












Date : 11-AUG-2023 22:12

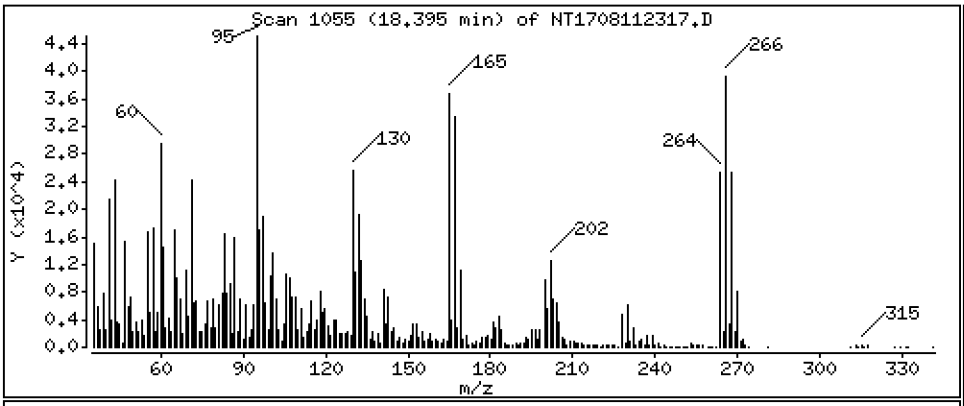
Client ID: Instrument: nt17.i

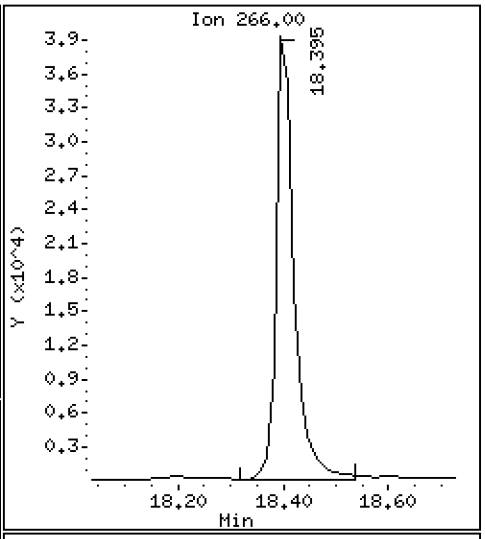
Sample Info: 23H0221-01

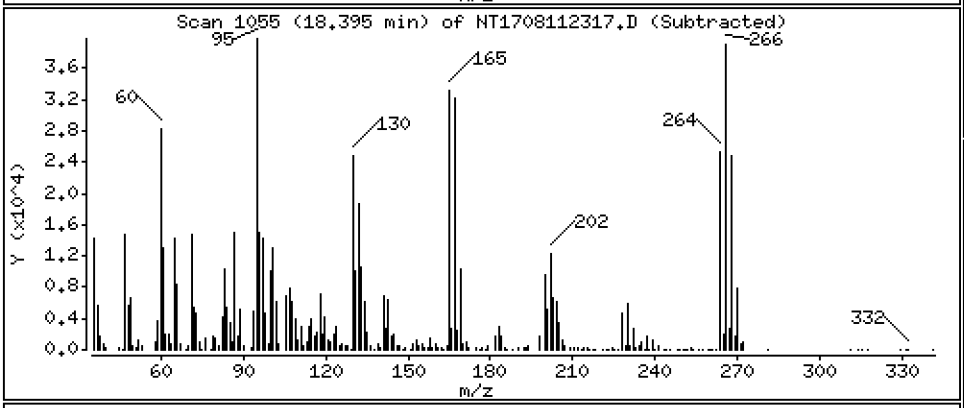
Operator: JGR

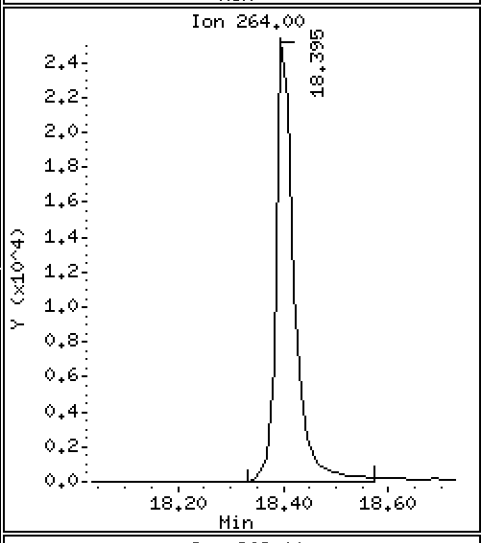
Column phase: ZB-5msi Column diameter: 0.25

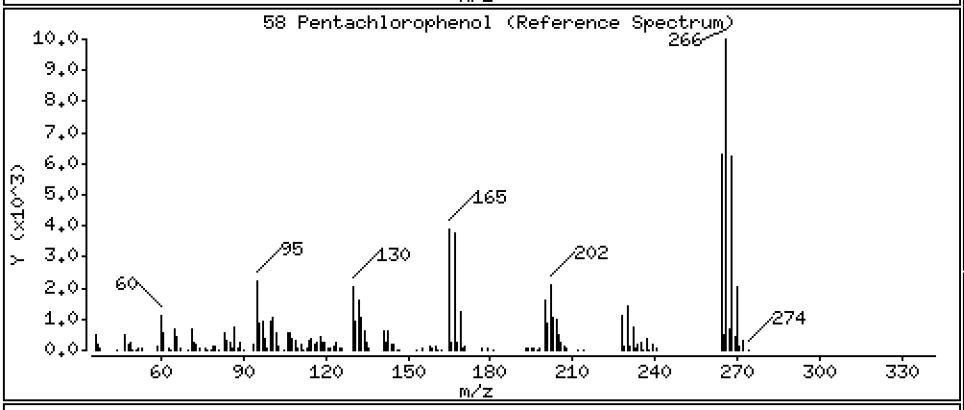
58 Pentachlorophenol Concentration: 4.287 ug/mL

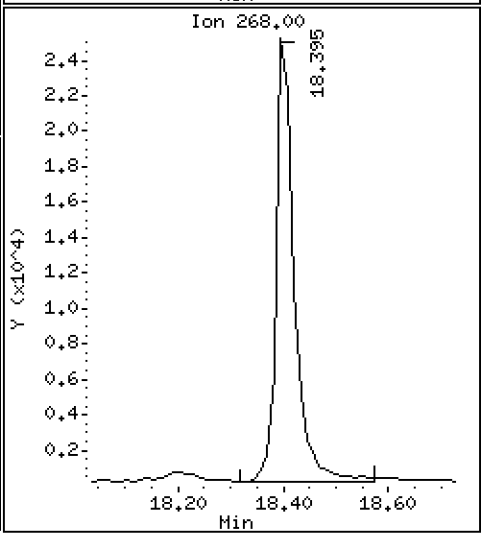


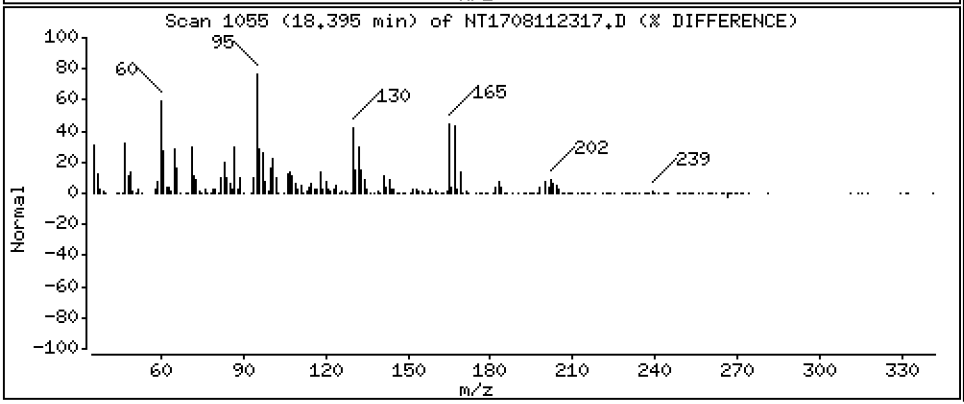












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

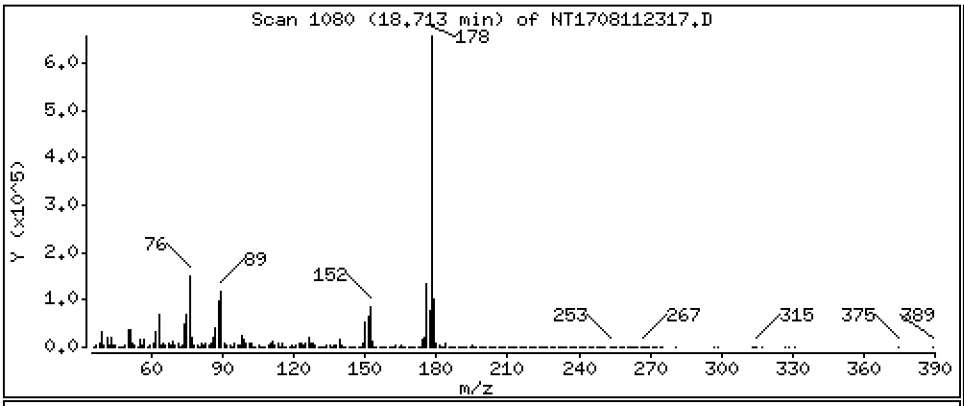
Operator: JGR

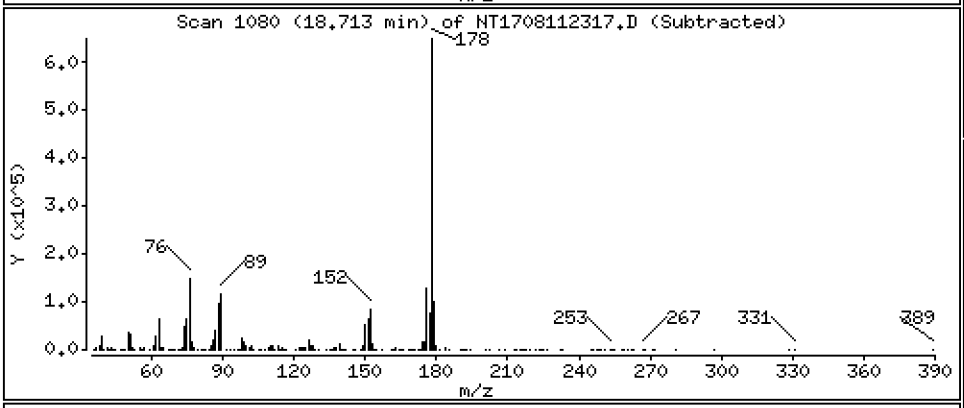
Column phase: ZB-5msi

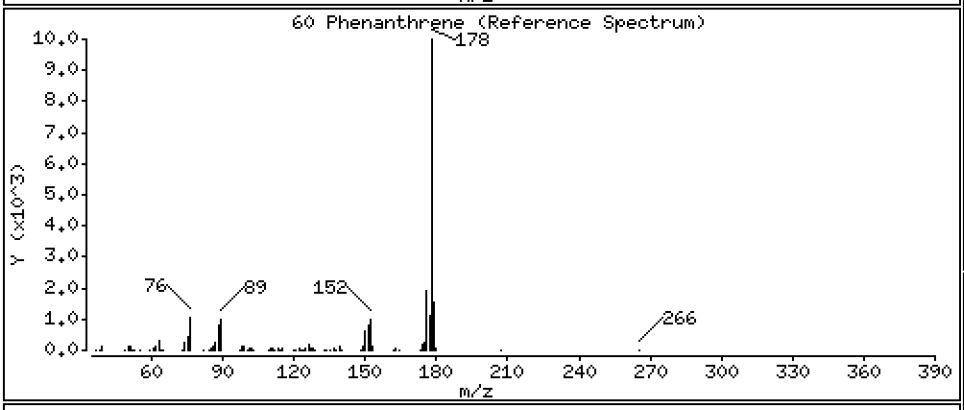
Column diameter: 0.25

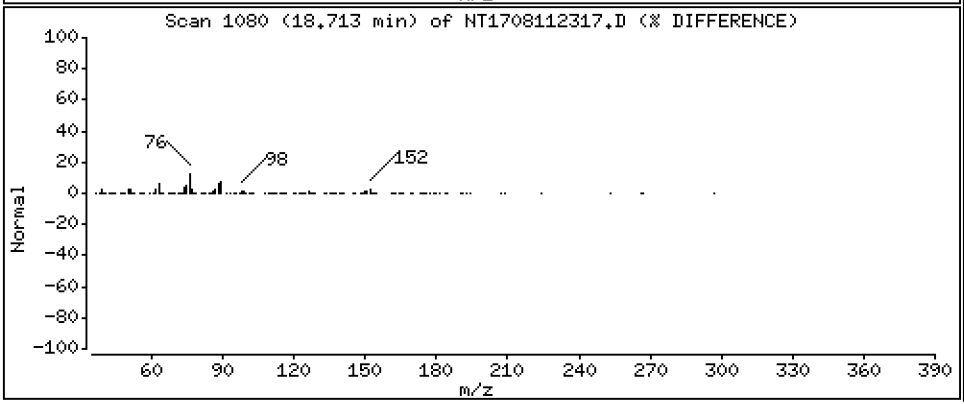
60 Phenanthrene

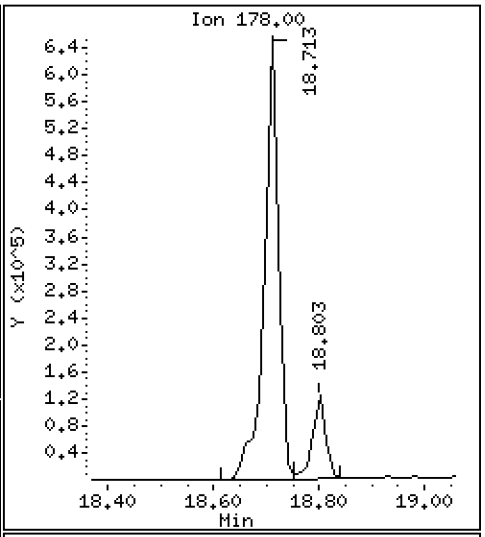
Concentration: 5.326 ug/mL

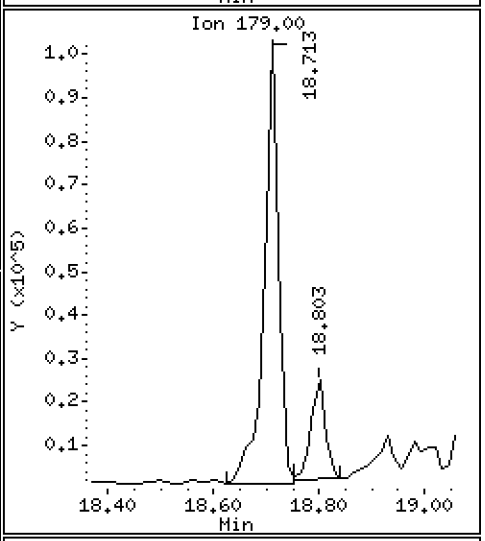


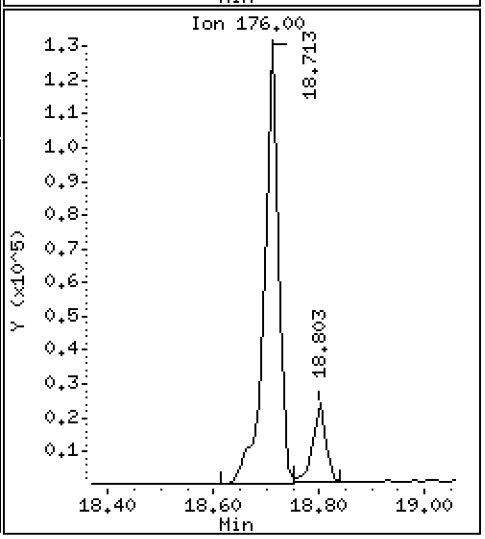












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

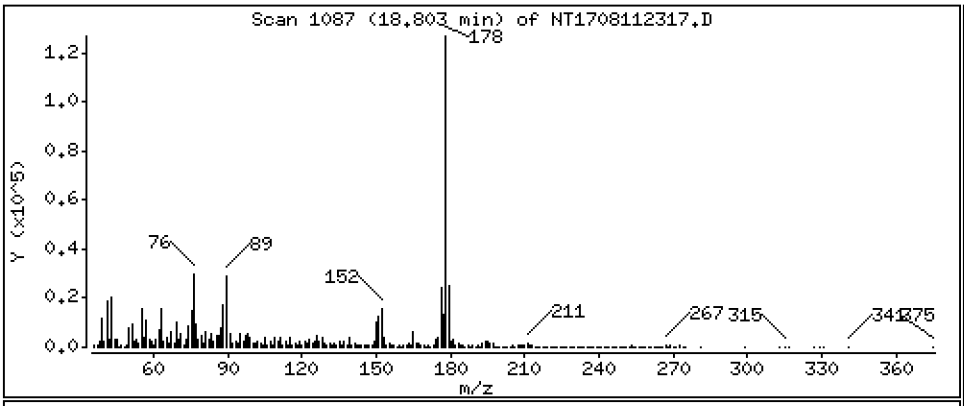
Operator: JGR

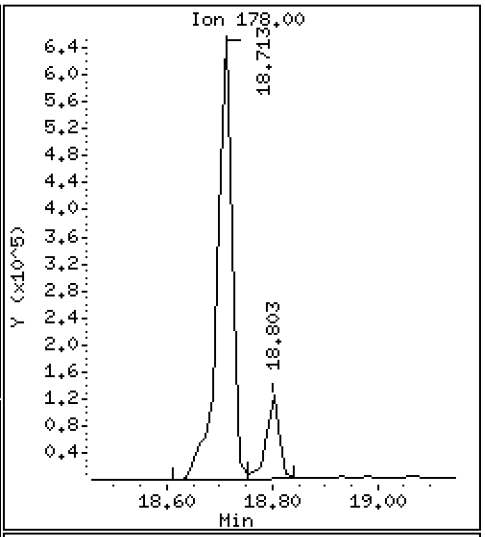
Column phase: ZB-5msi

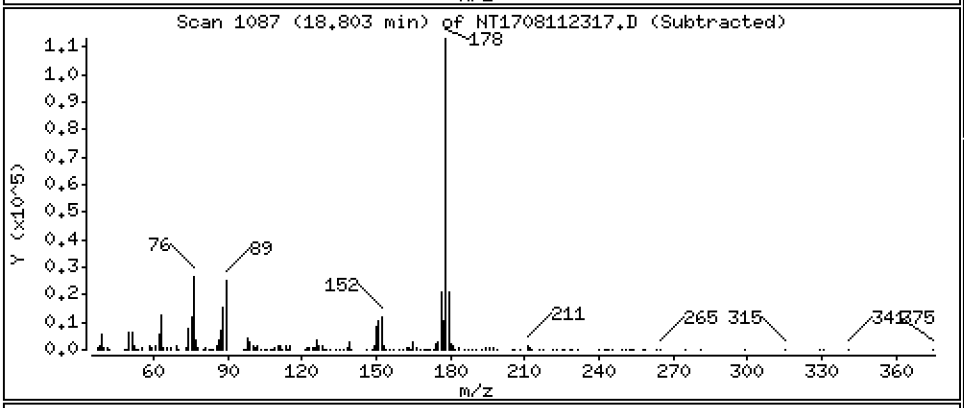
Column diameter: 0.25

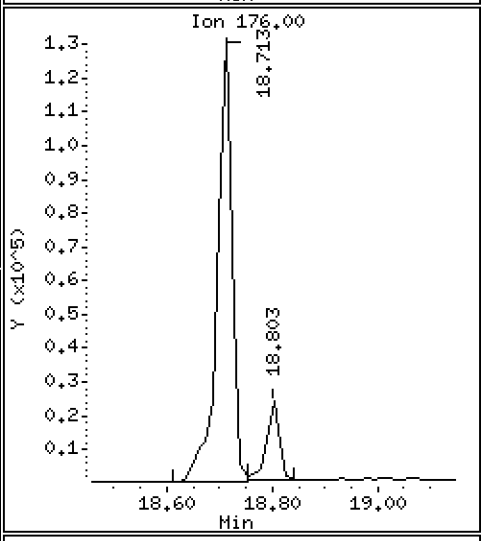
61 Anthracene

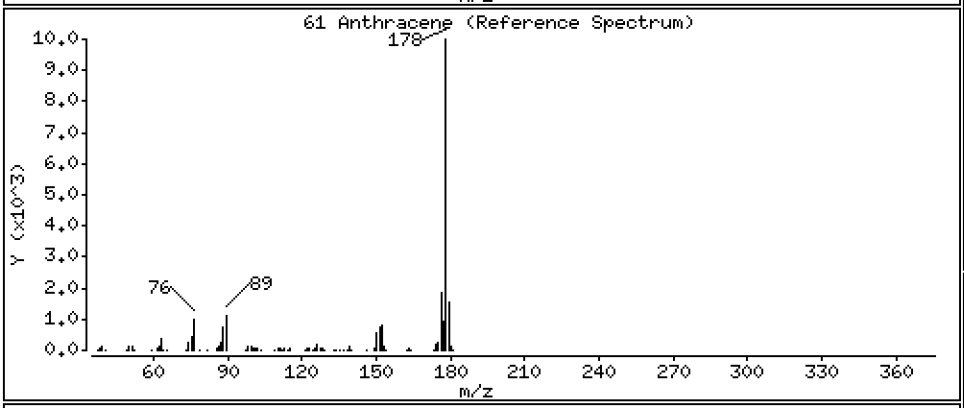
Concentration: 1.067 ug/mL

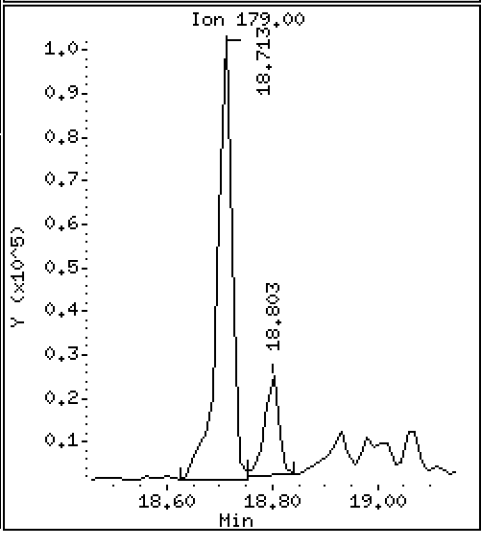


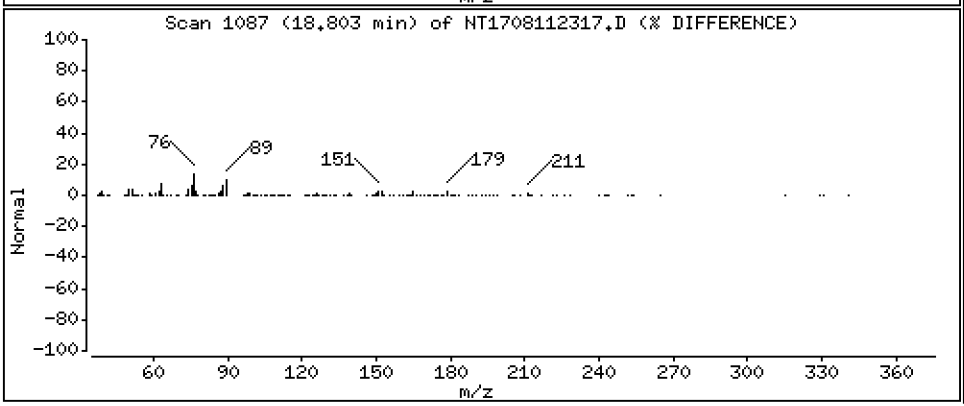












Date : 11-AUG-2023 22:12

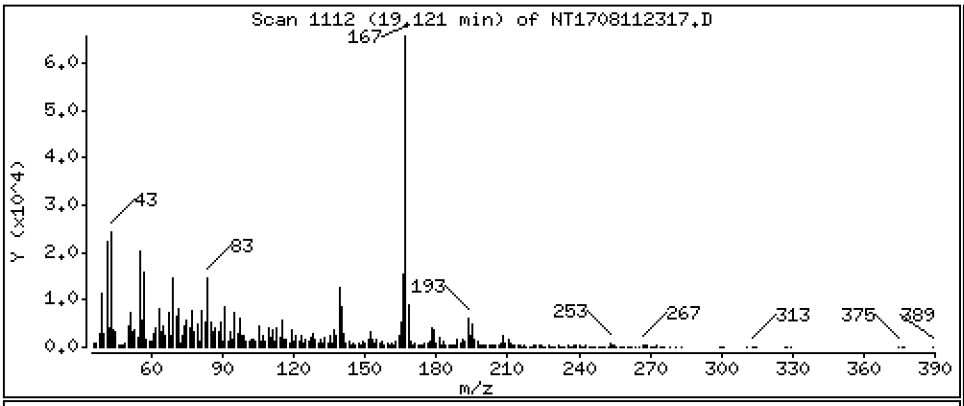
Client ID: Instrument: nt17.i

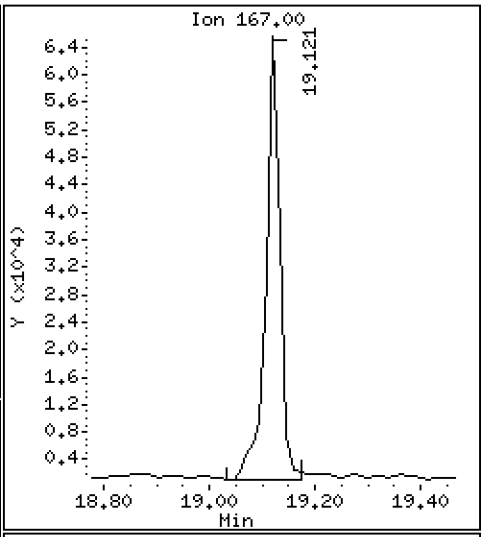
Sample Info: 23H0221-01

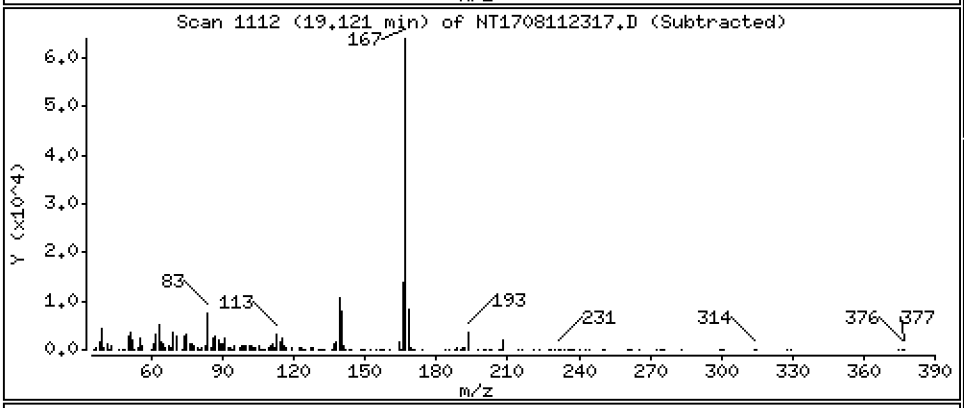
Operator: JGR

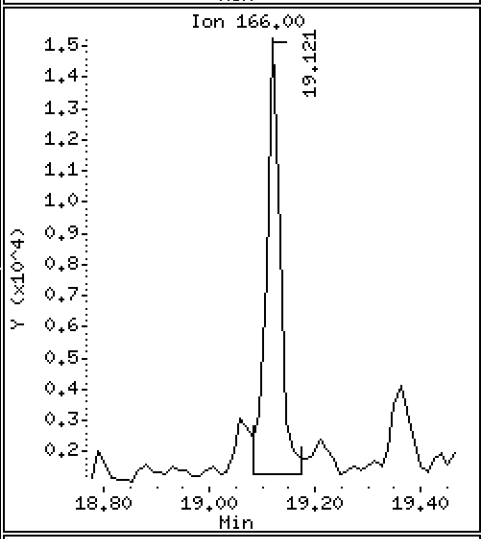
Column phase: ZB-5msi Column diameter: 0.25

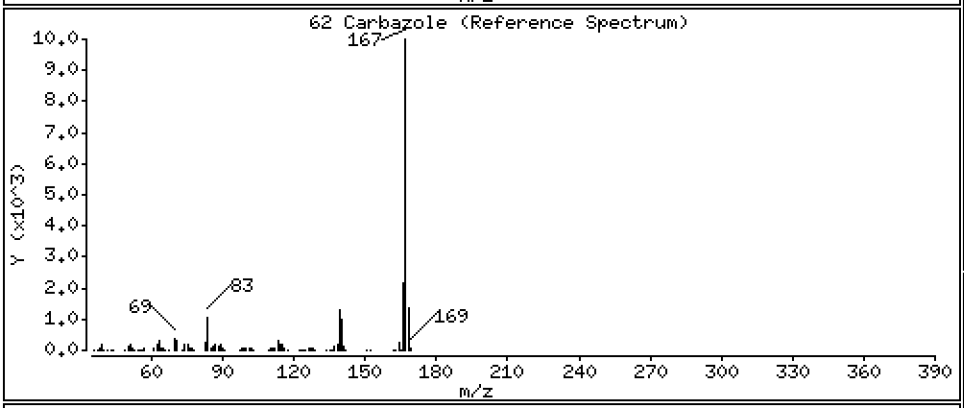
62 Carbazole Concentration: 0.5956 ug/mL

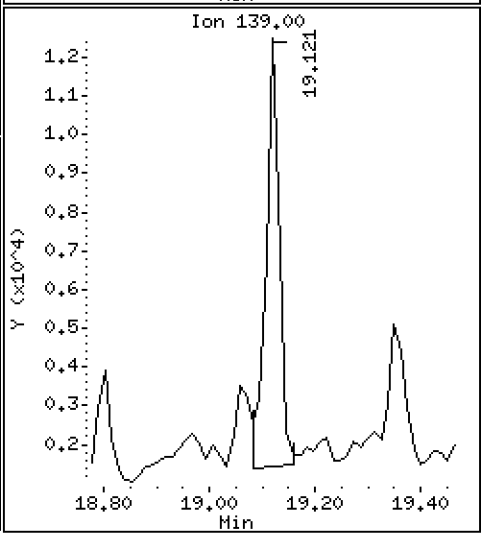


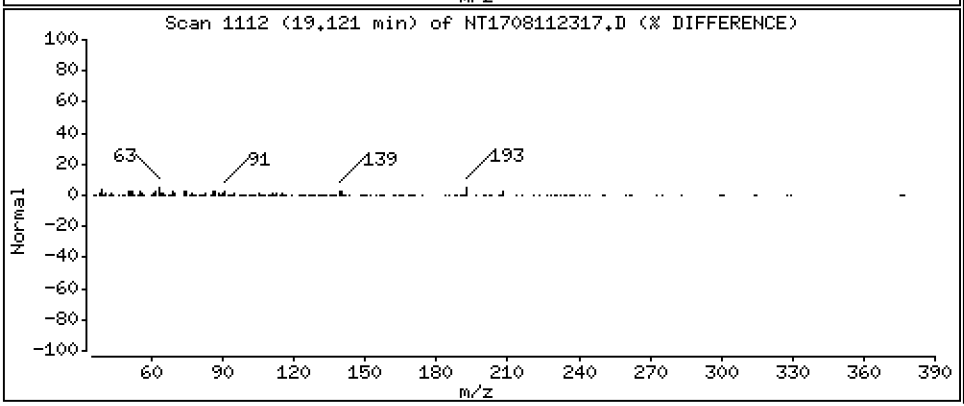












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

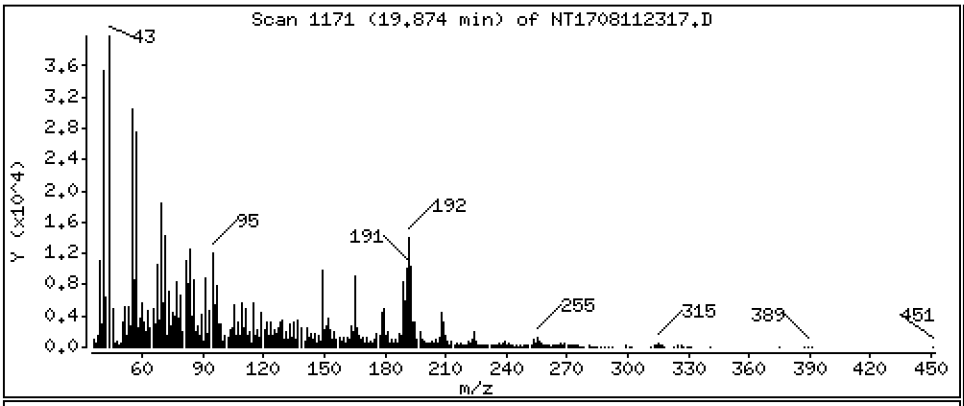
Operator: JGR

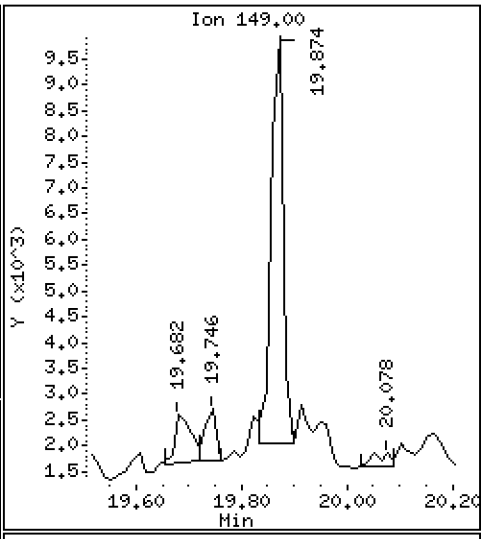
Column phase: ZB-5msi

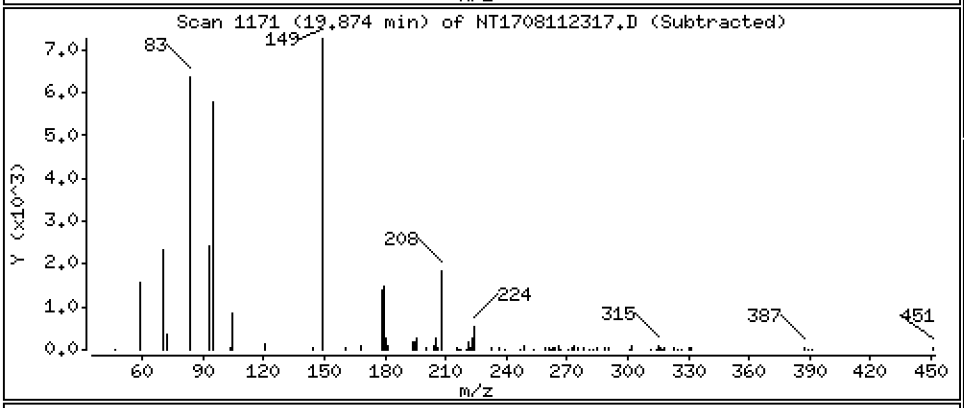
Column diameter: 0.25

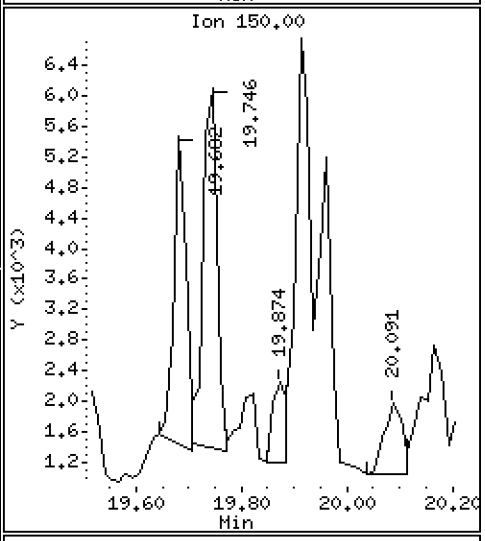
63 Di-n-butylphthalate

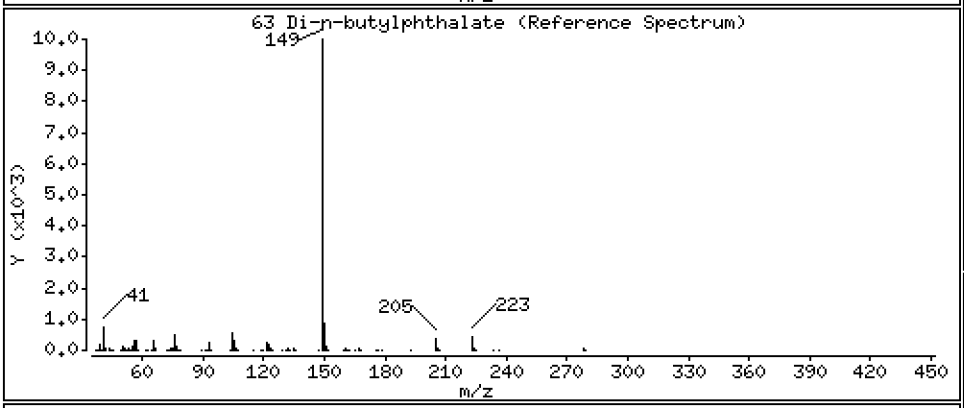
Concentration: 0.03347 ug/mL

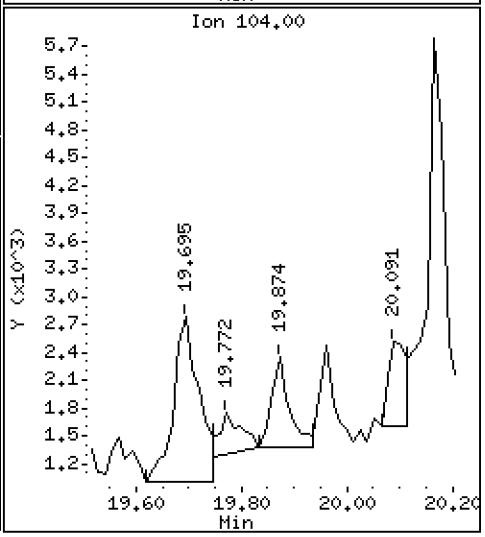


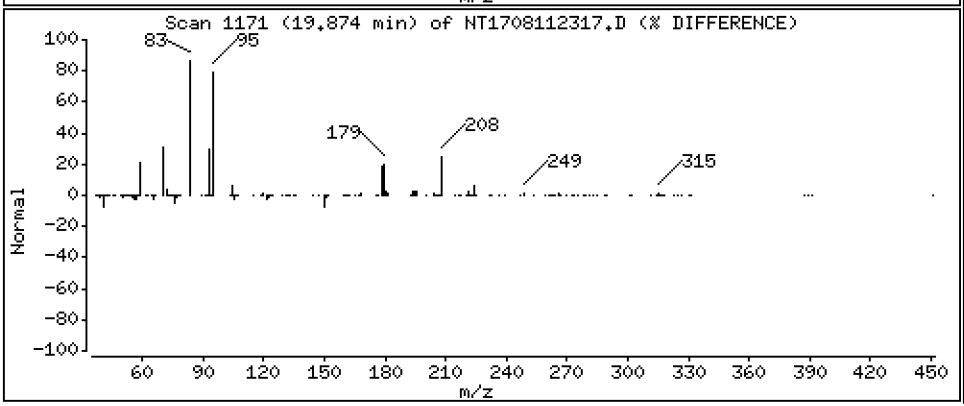












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

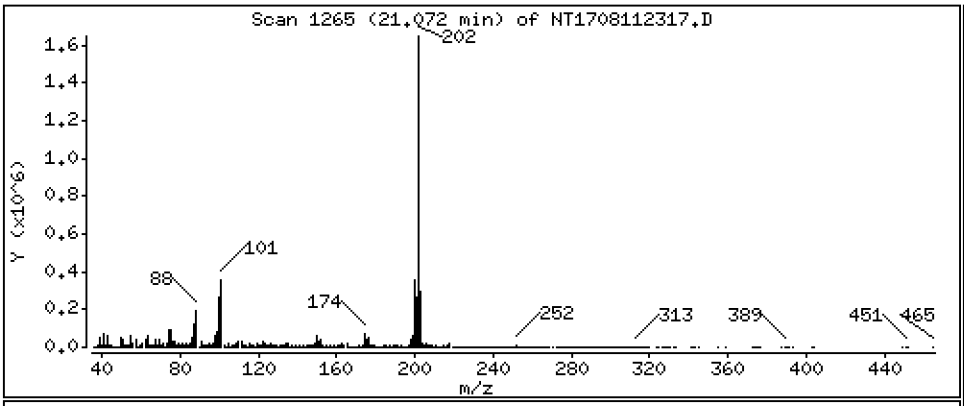
Operator: JGR

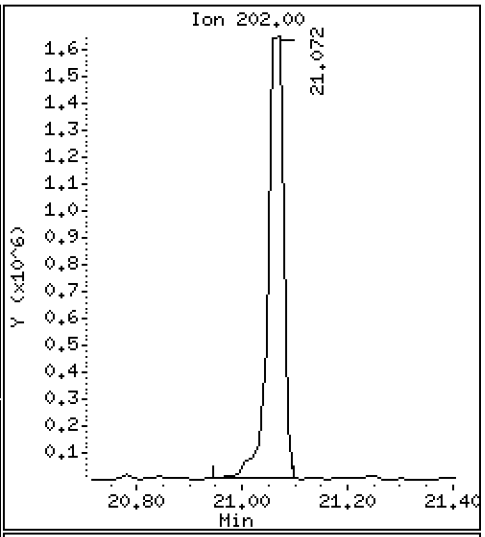
Column phase: ZB-5msi

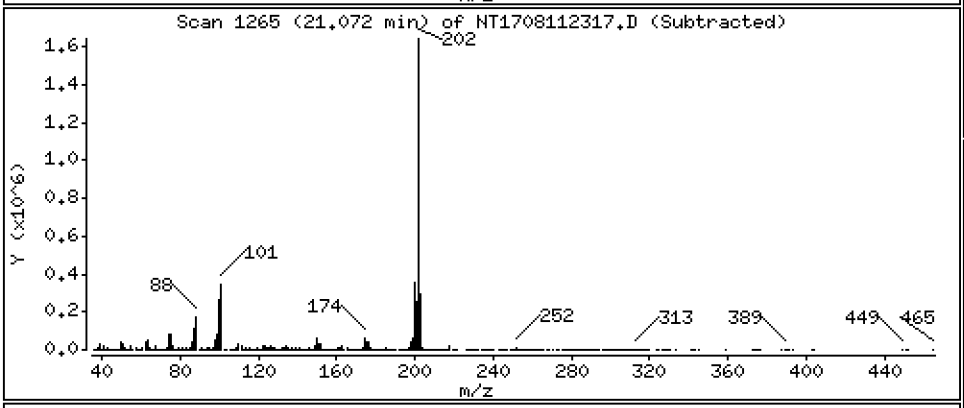
Column diameter: 0.25

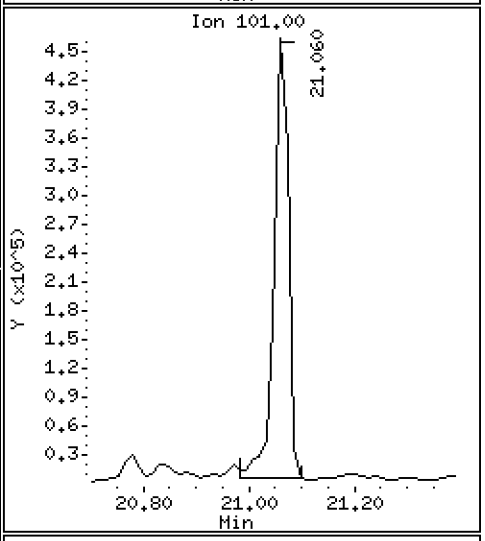
64 Fluoranthene

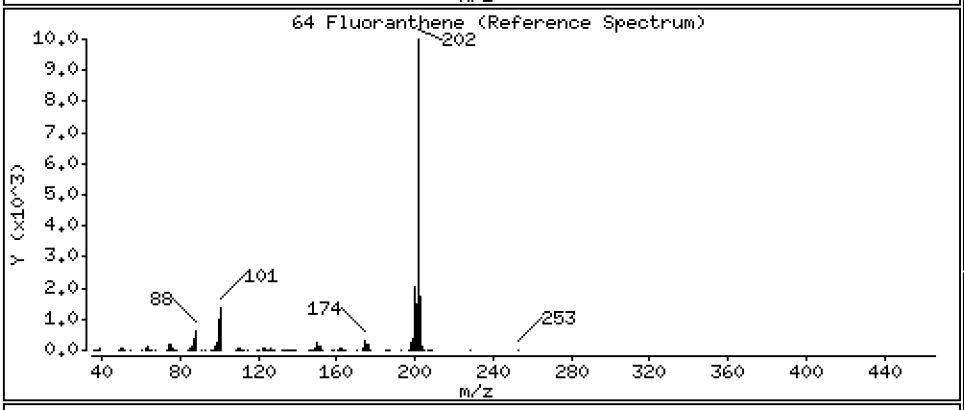
Concentration: 15.29 ug/mL

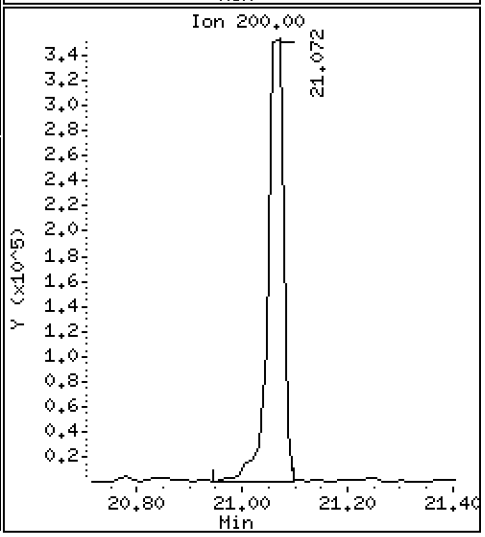


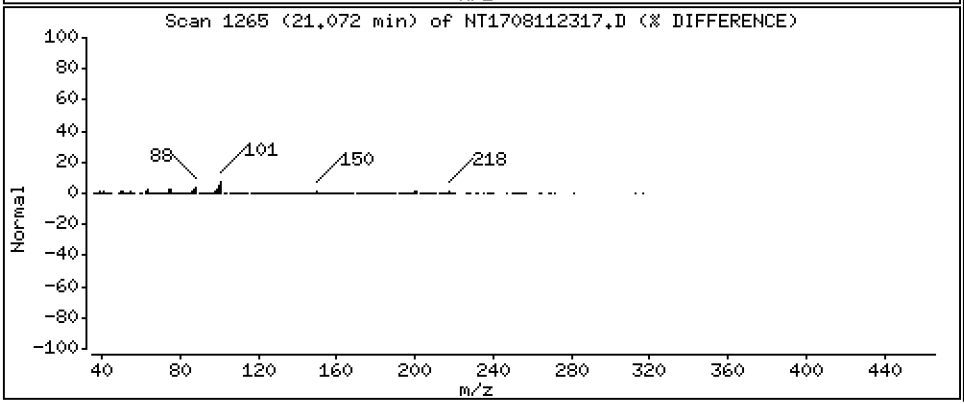












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Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

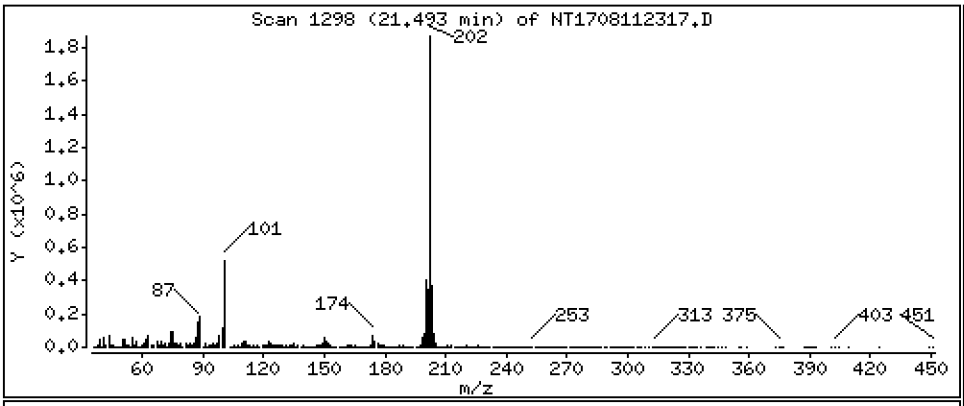
Operator: JGR

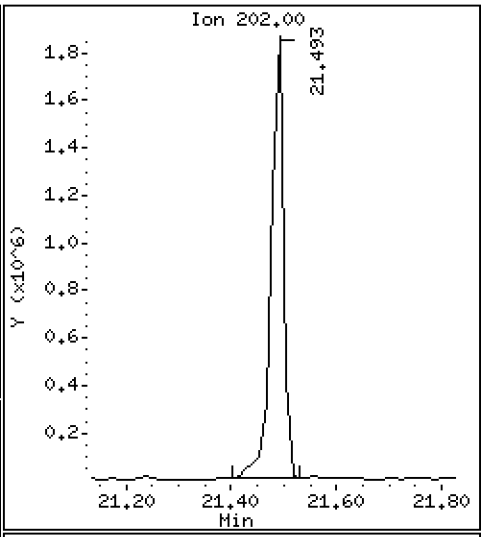
Column phase: ZB-5msi

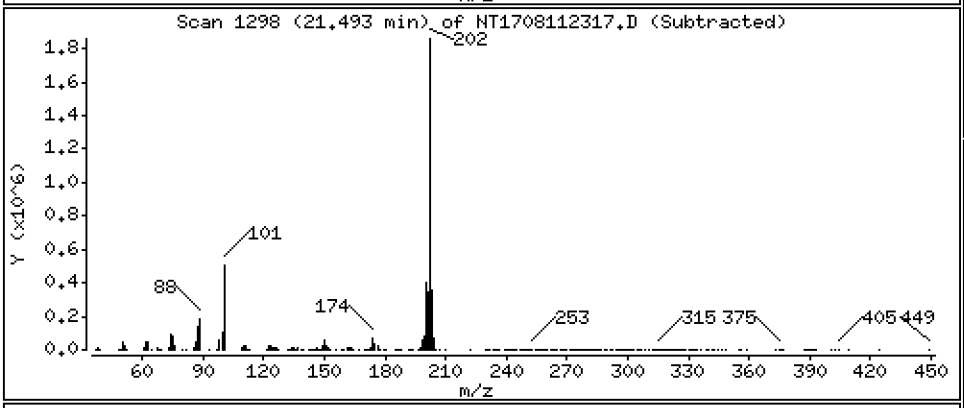
Column diameter: 0.25

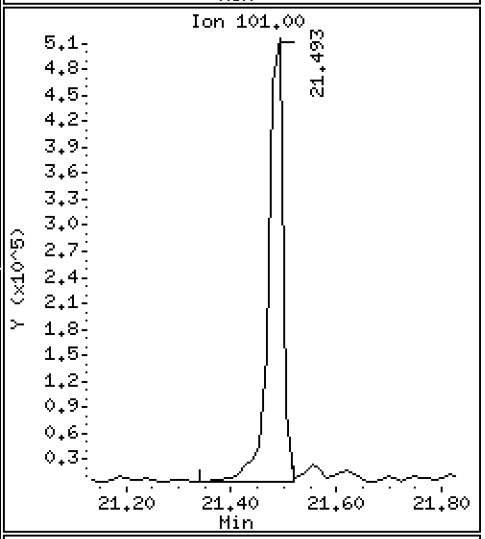
65 Pyrene

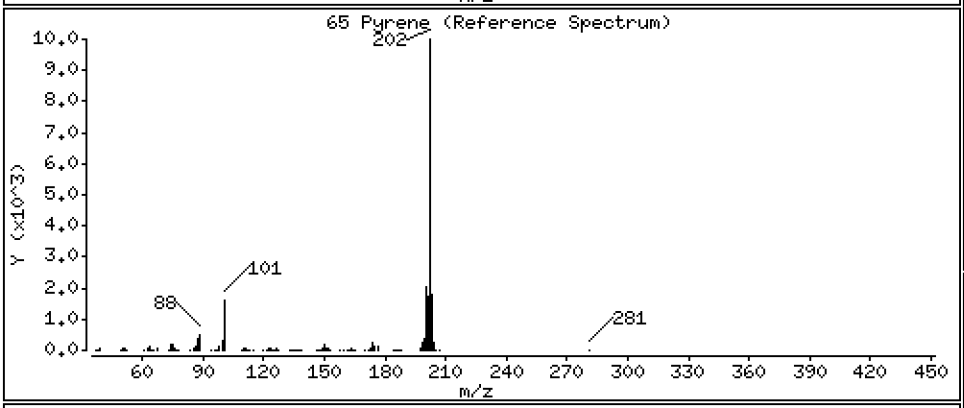
Concentration: 13.79 ug/mL

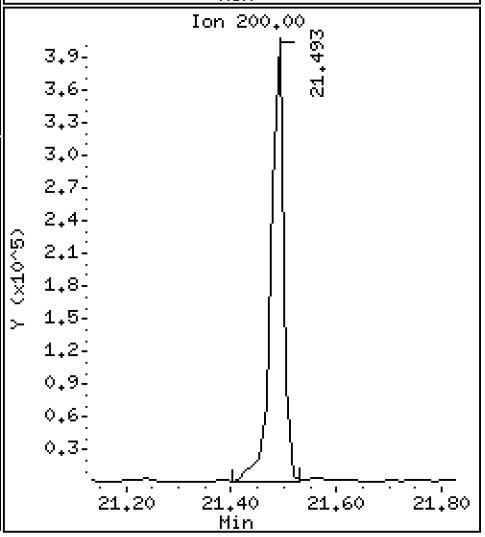


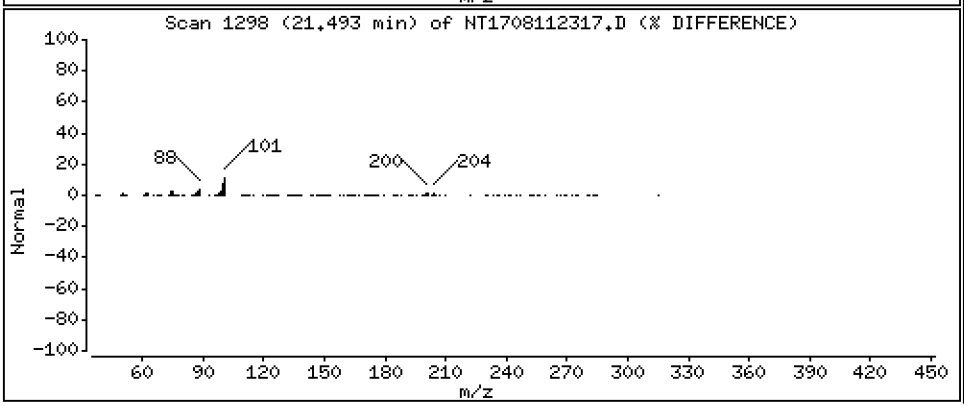












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

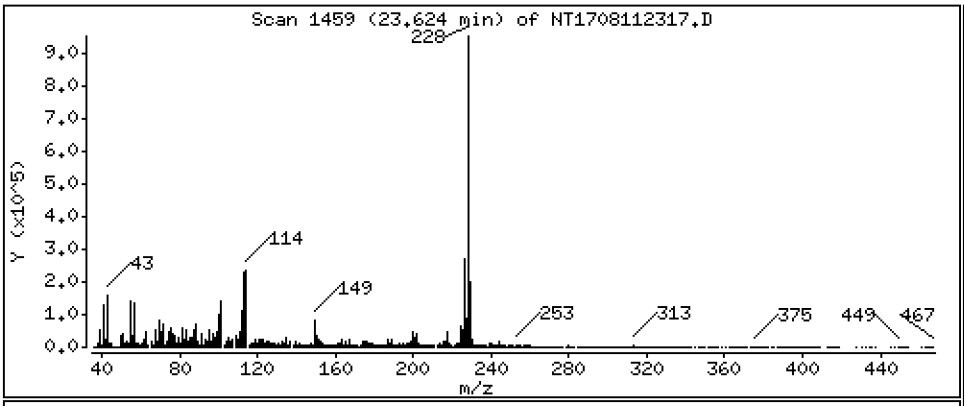
Operator: JGR

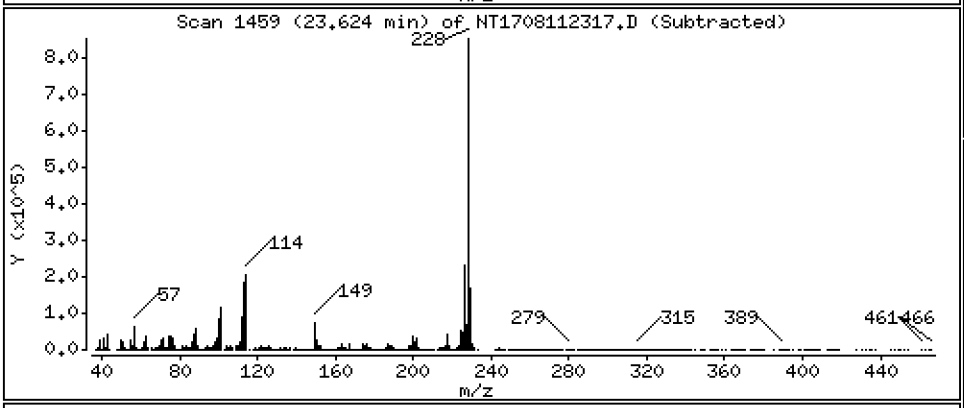
Column phase: ZB-5msi

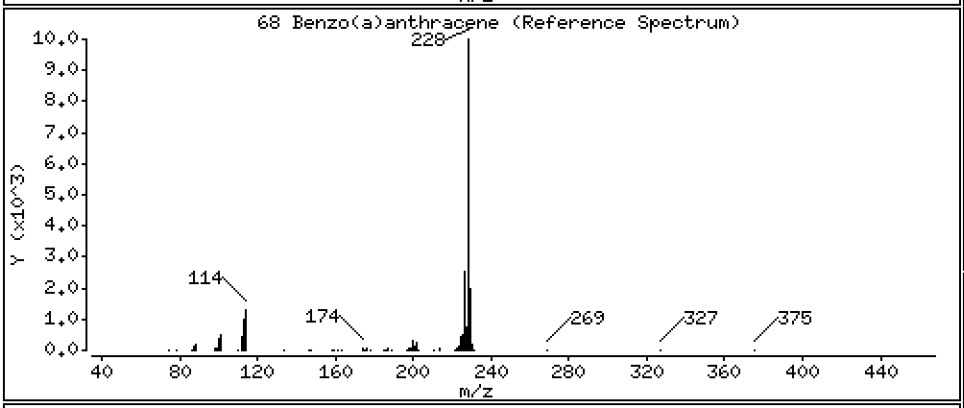
Column diameter: 0.25

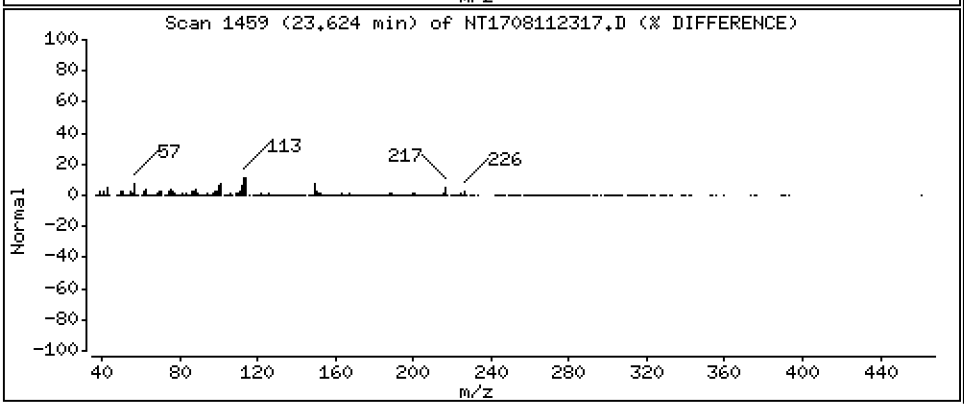
68 Benzo(a)anthracene

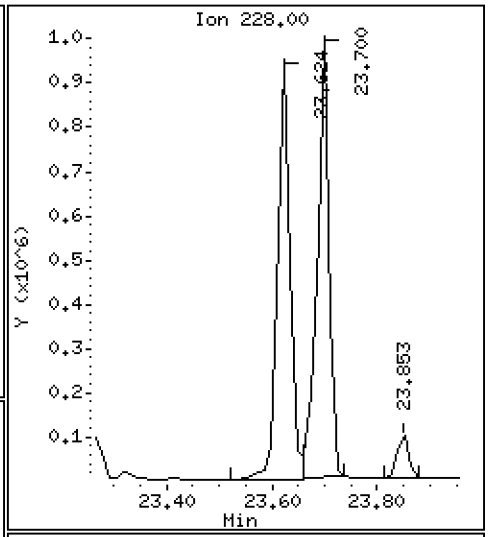
Concentration: 7.915 ug/mL

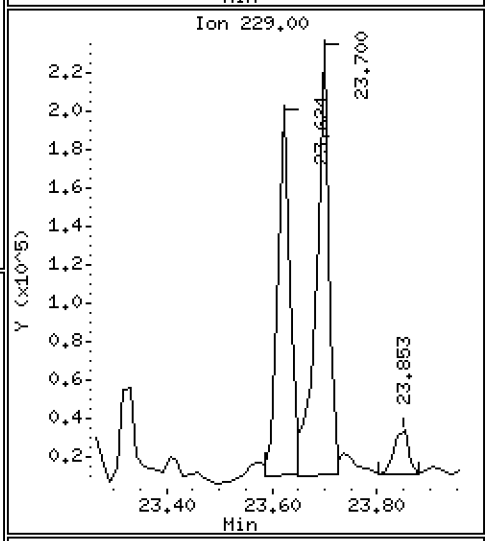


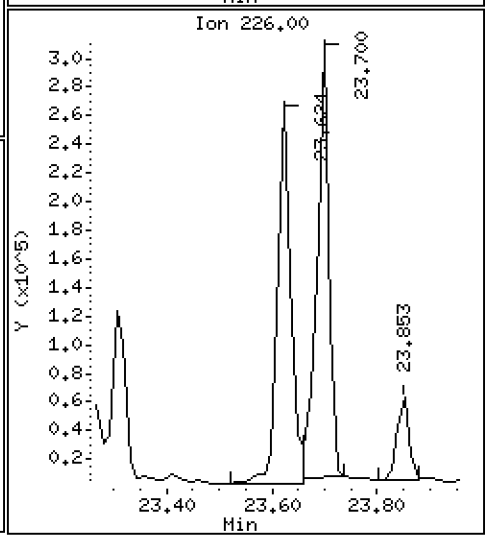












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

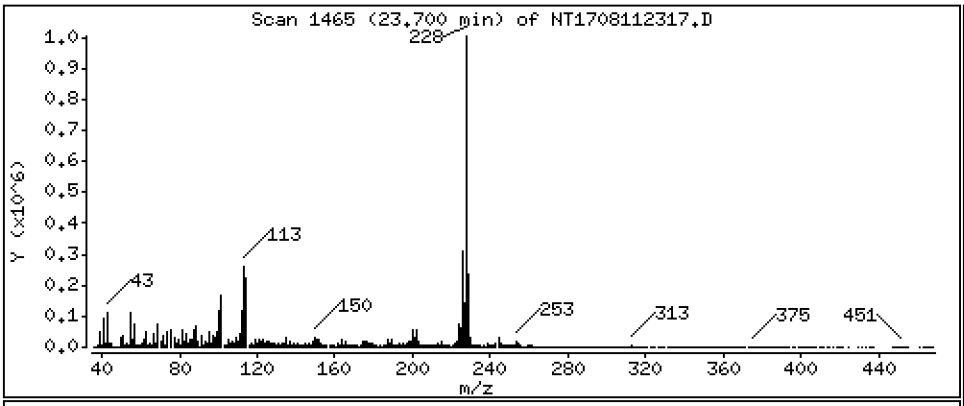
Operator: JGR

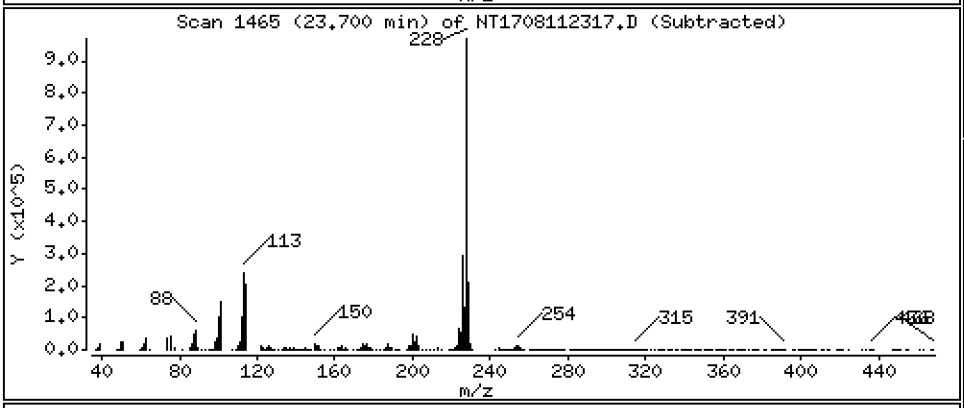
Column phase: ZB-5msi

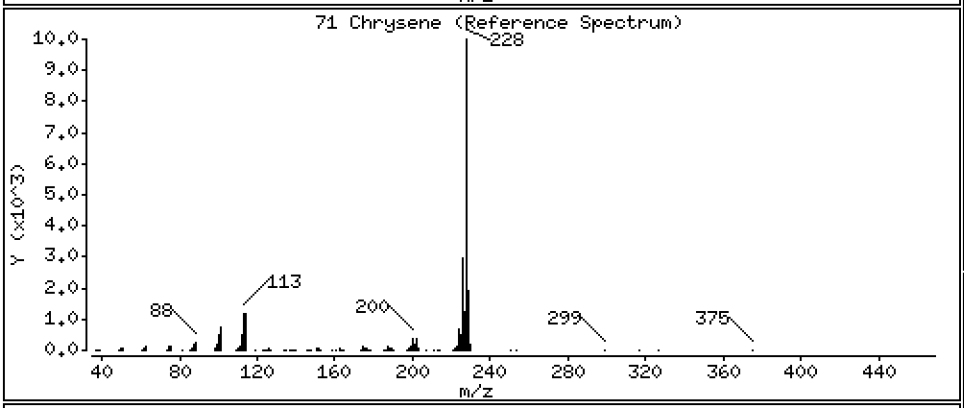
Column diameter: 0.25

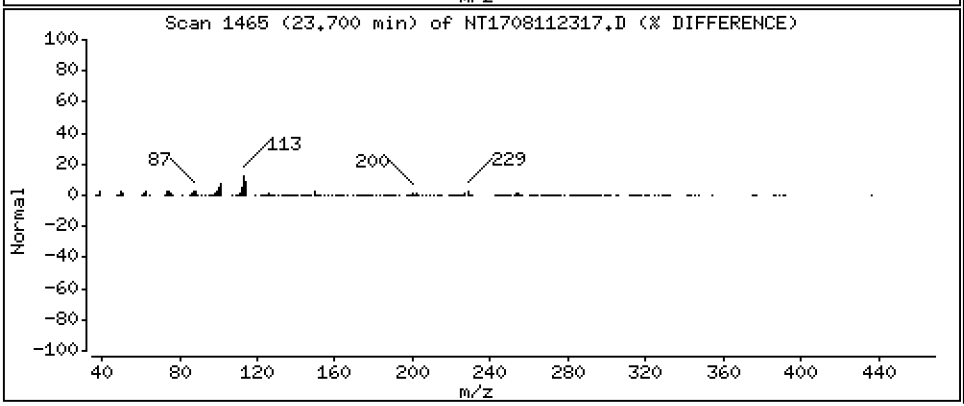
71 Chrysene

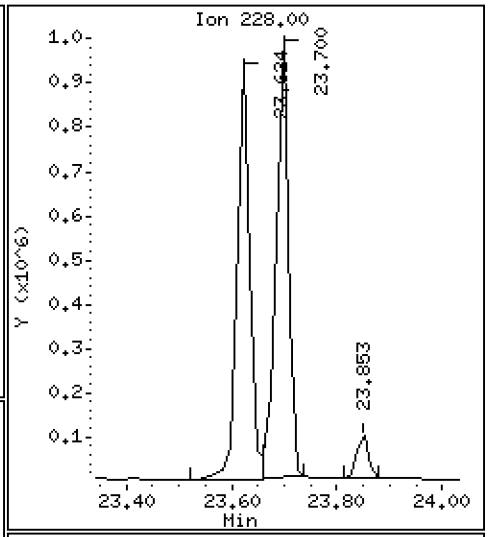
Concentration: 9.477 ug/mL

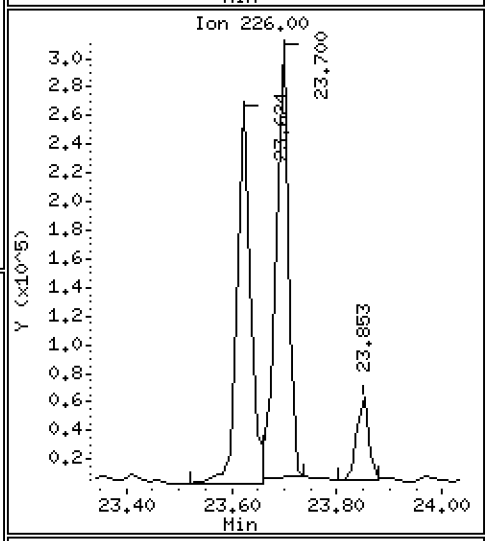


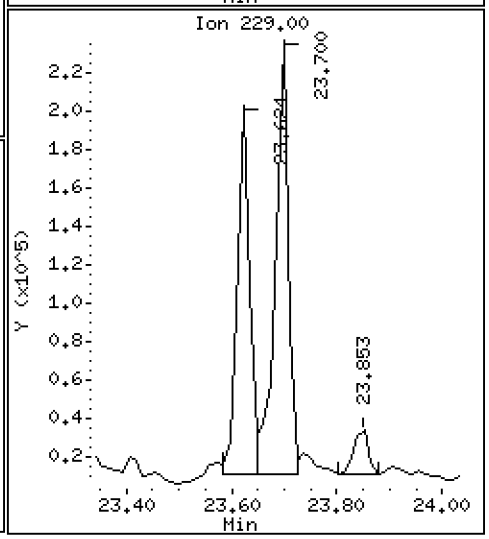












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

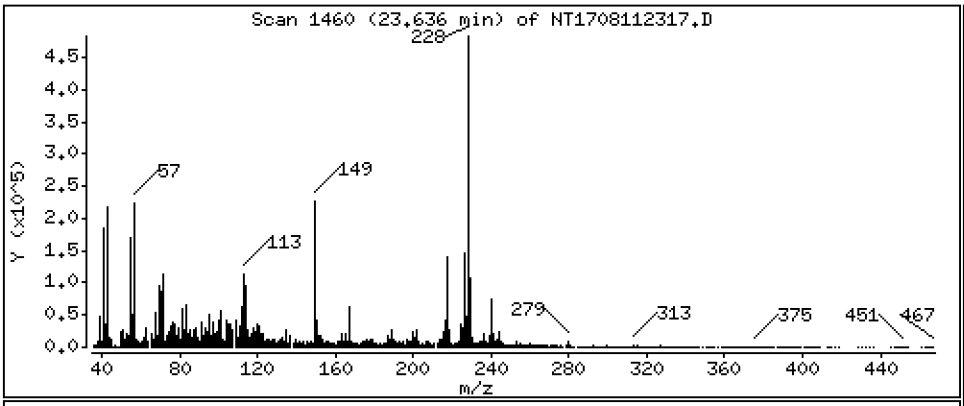
Operator: JGR

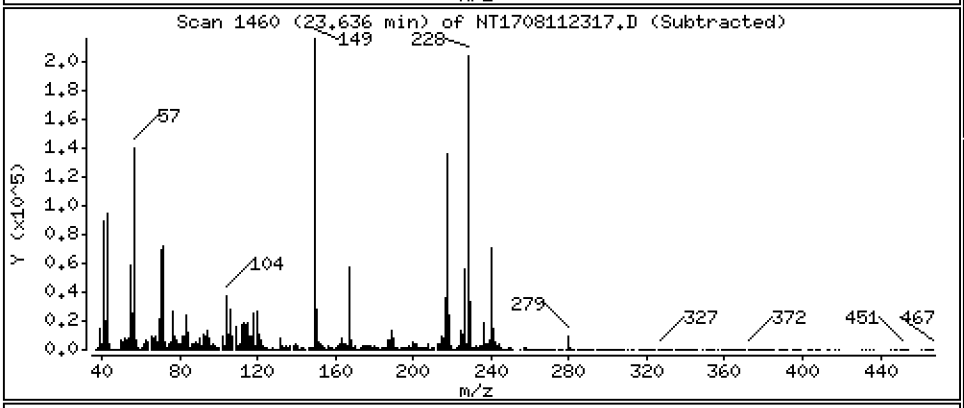
Column phase: ZB-5msi

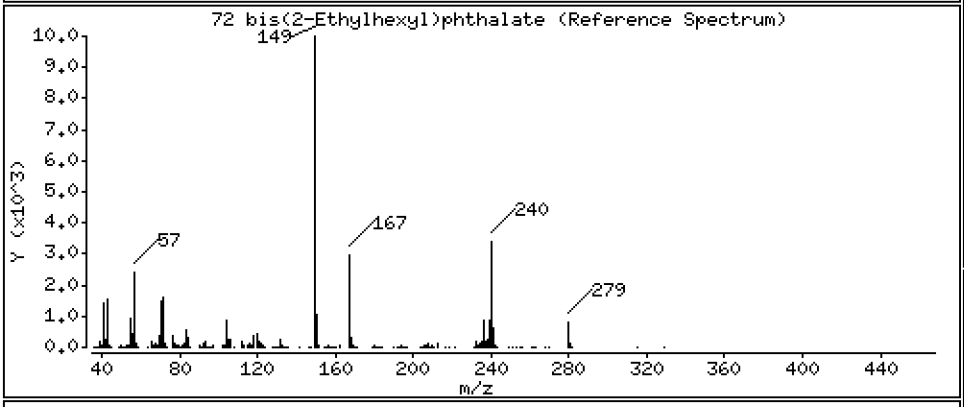
Column diameter: 0.25

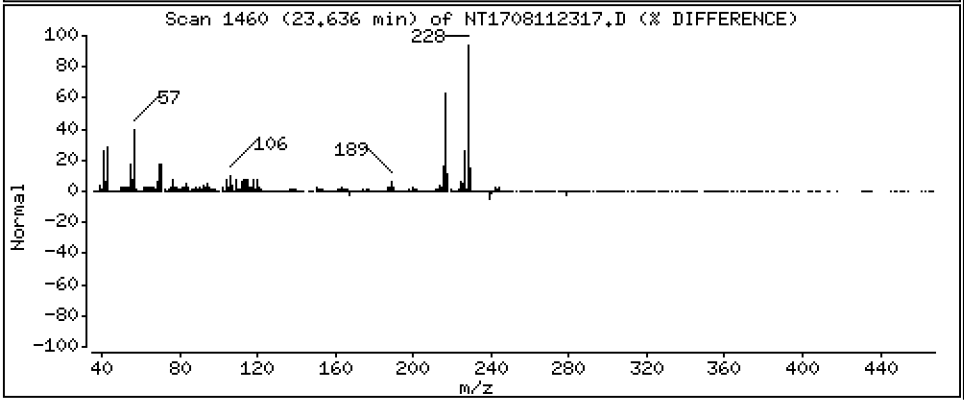
72 bis(2-Ethylhexyl)phthalate

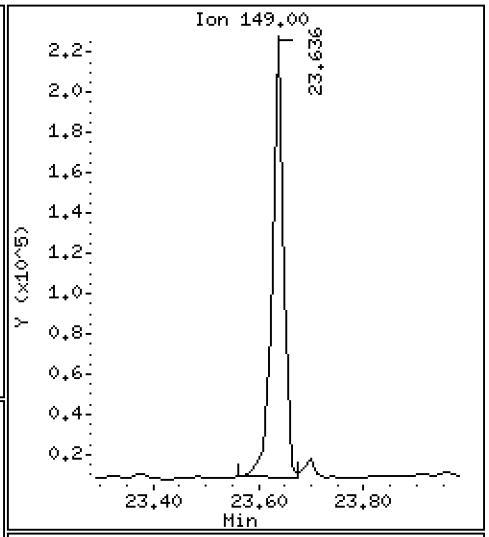
Concentration: 1.382 ug/mL

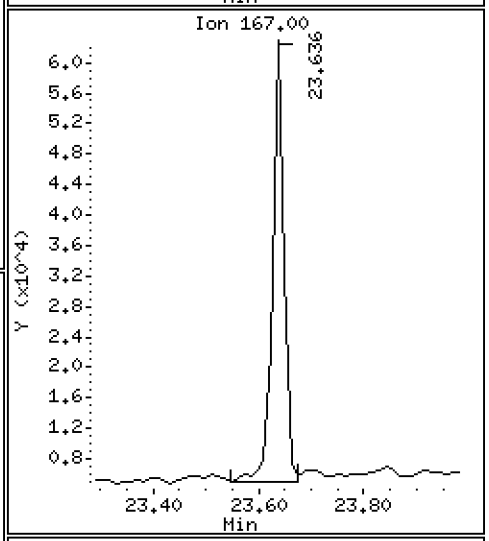


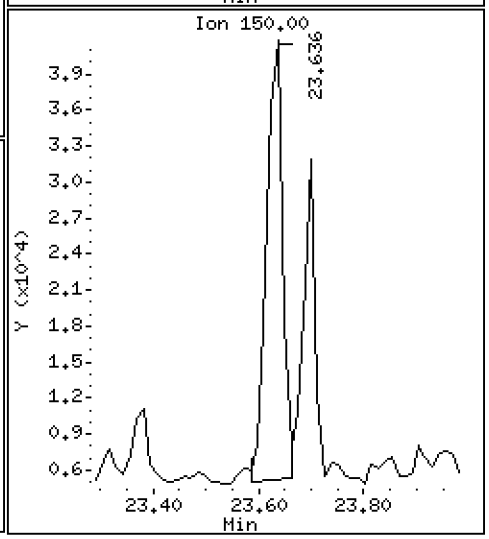












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

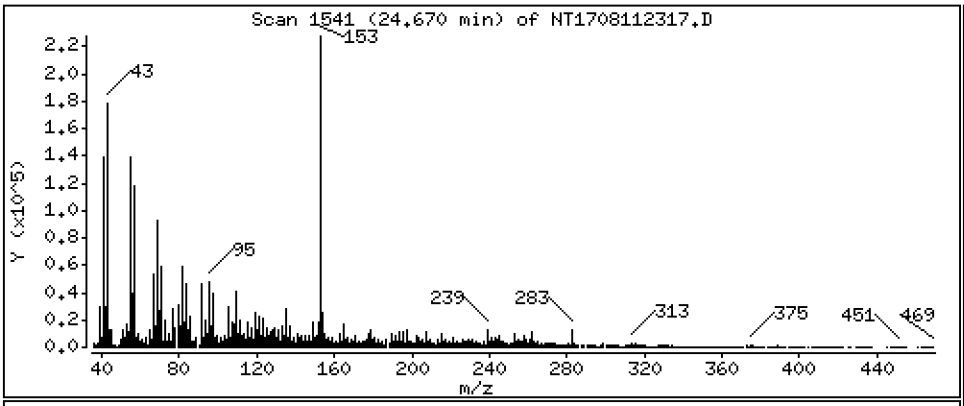
Operator: JGR

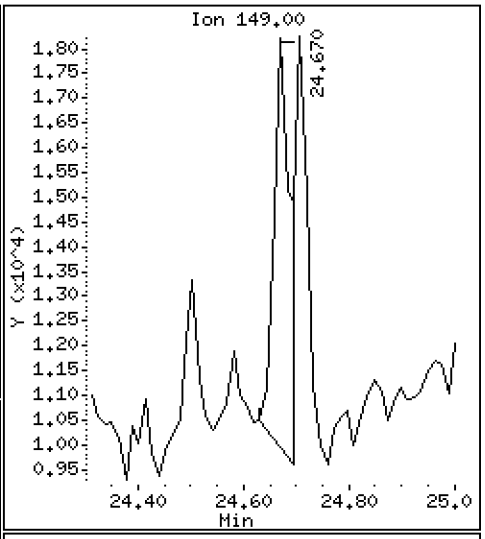
Column phase: ZB-5msi

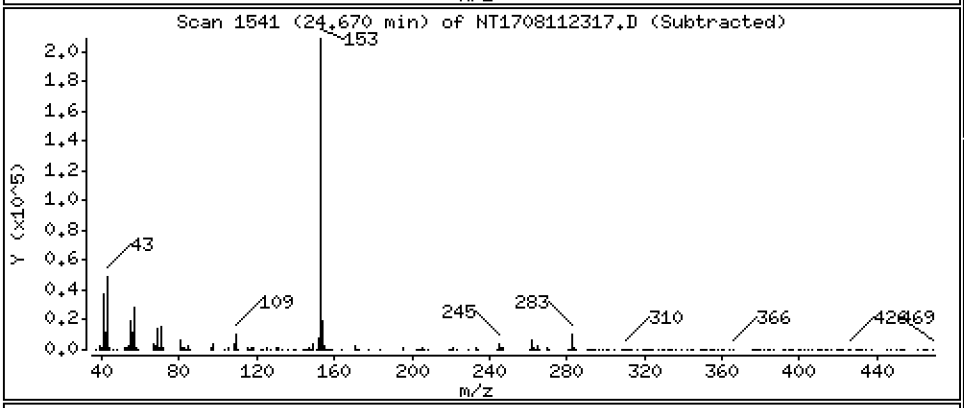
Column diameter: 0.25

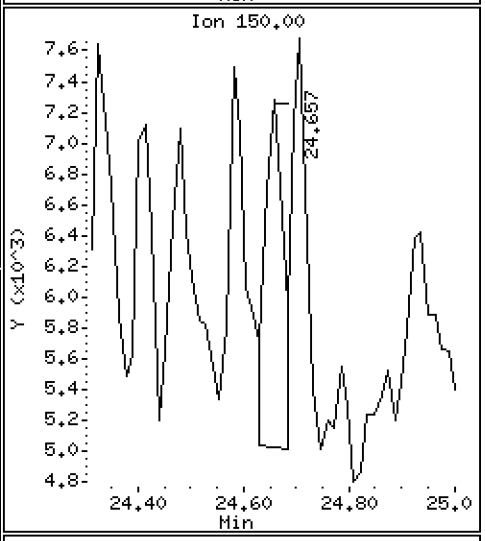
73 Di-n-octylphthalate

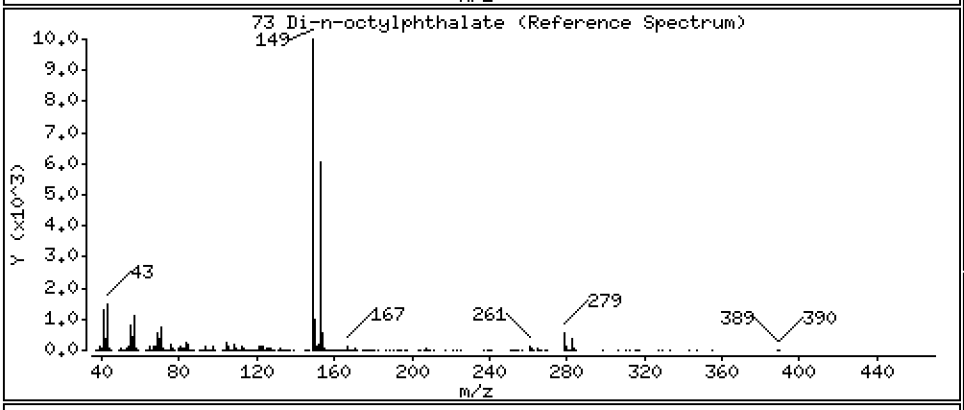
Concentration: 0.04858 ug/mL

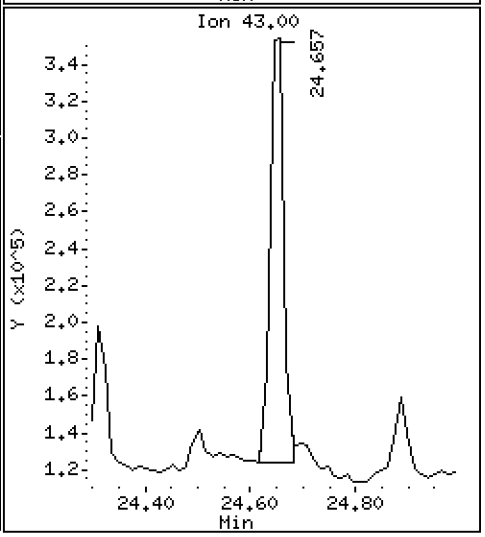


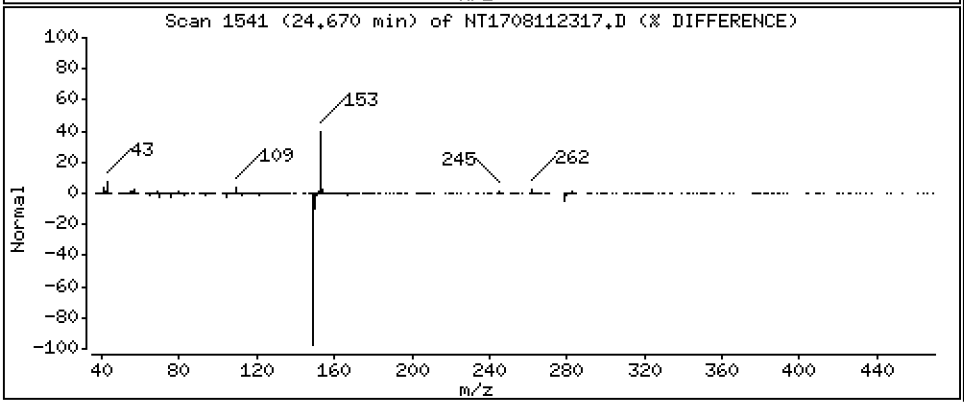












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

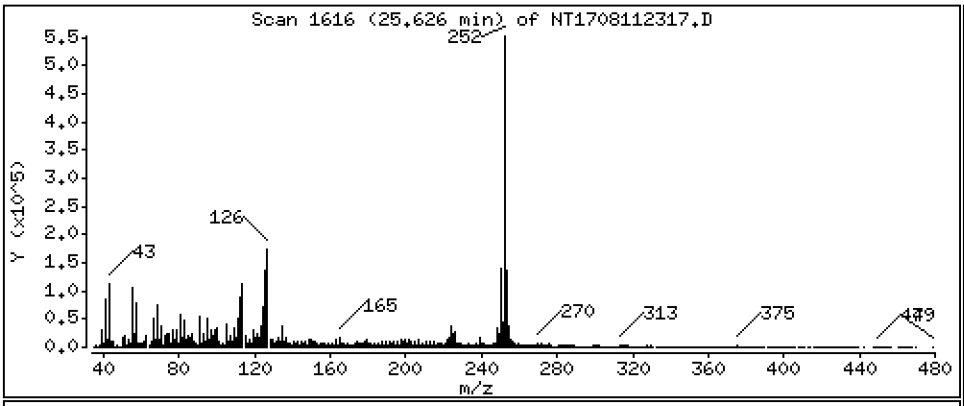
Operator: JGR

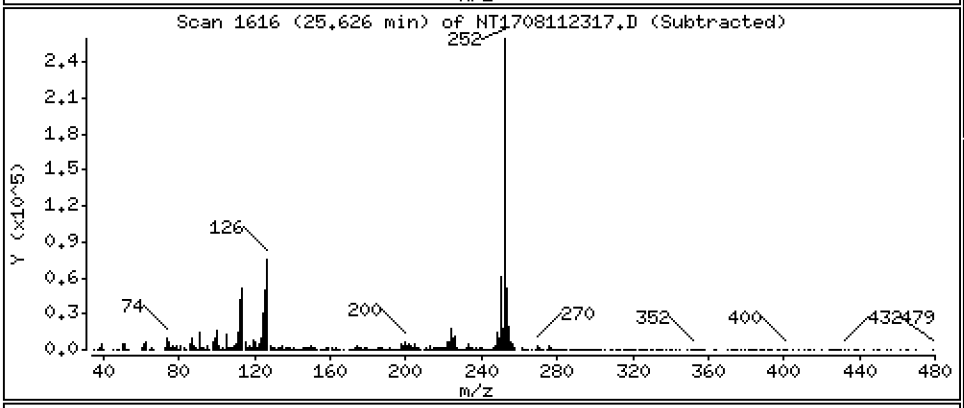
Column phase: ZB-5msi

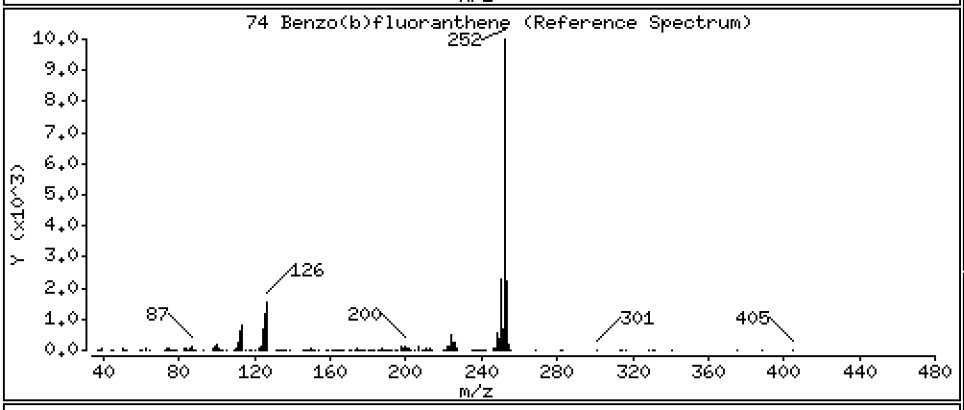
Column diameter: 0.25

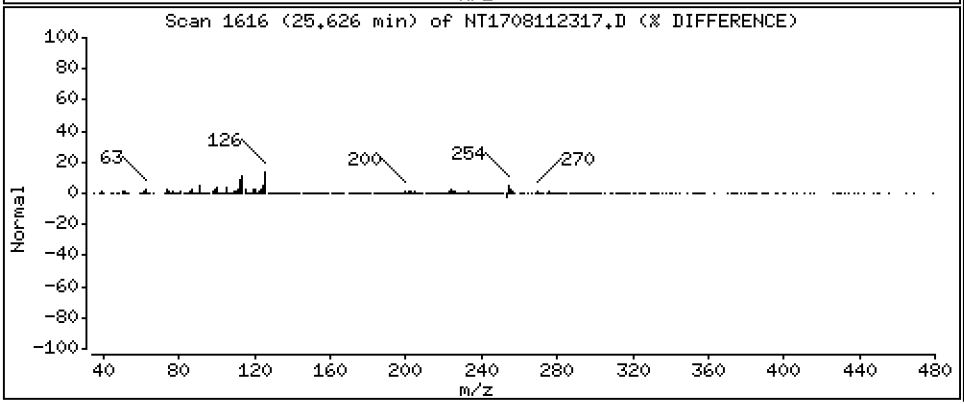
74 Benzo(b)fluoranthene

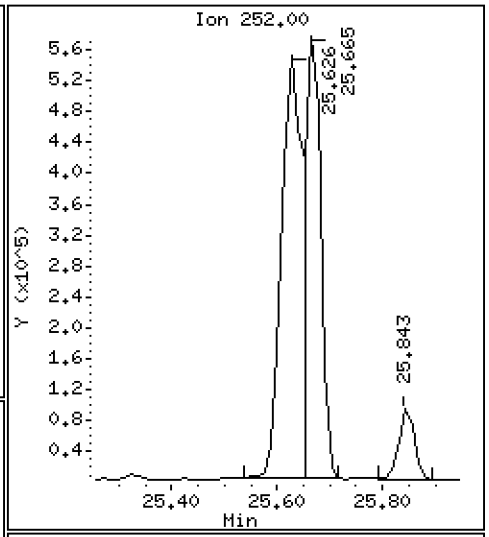
Concentration: 7.402 ug/mL

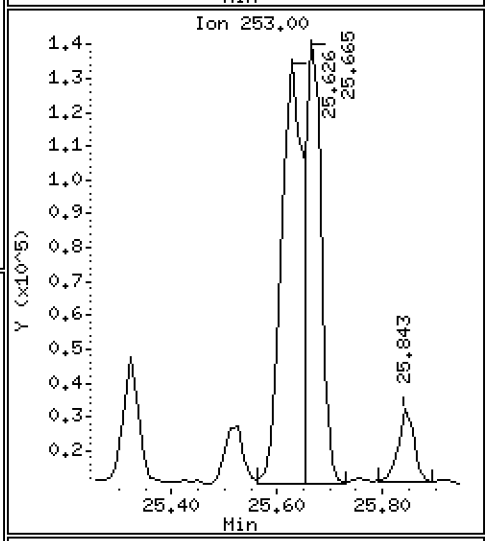


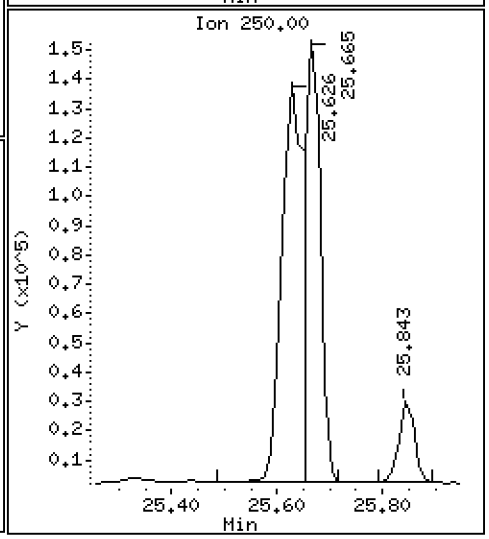












Date : 11-AUG-2023 22:12

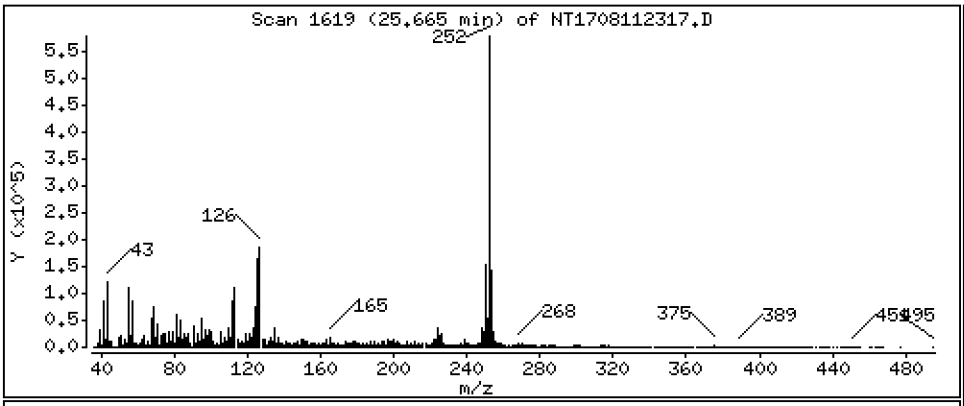
Client ID: Instrument: nt17.i

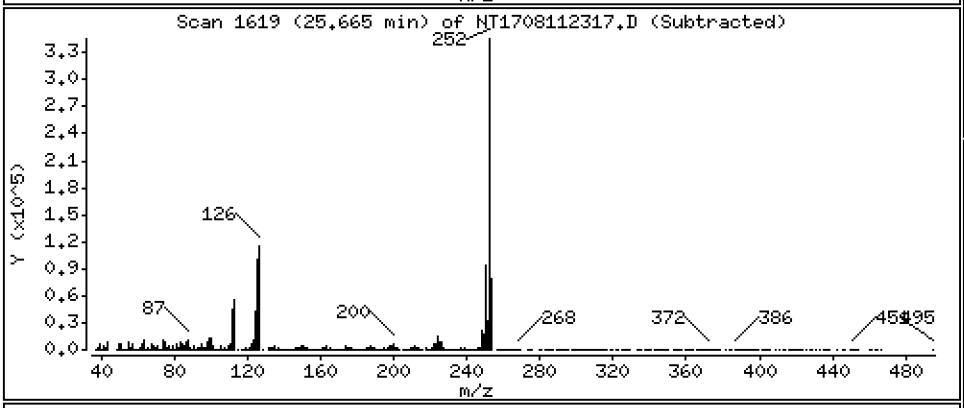
Sample Info: 23H0221-01

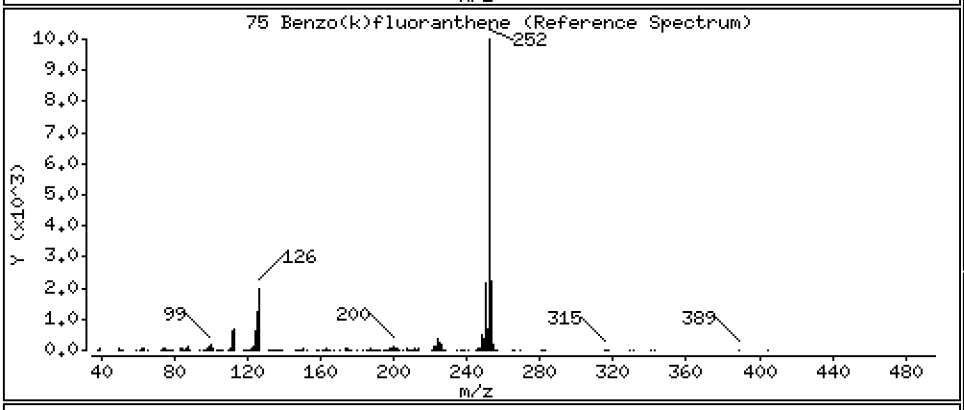
Operator: JGR

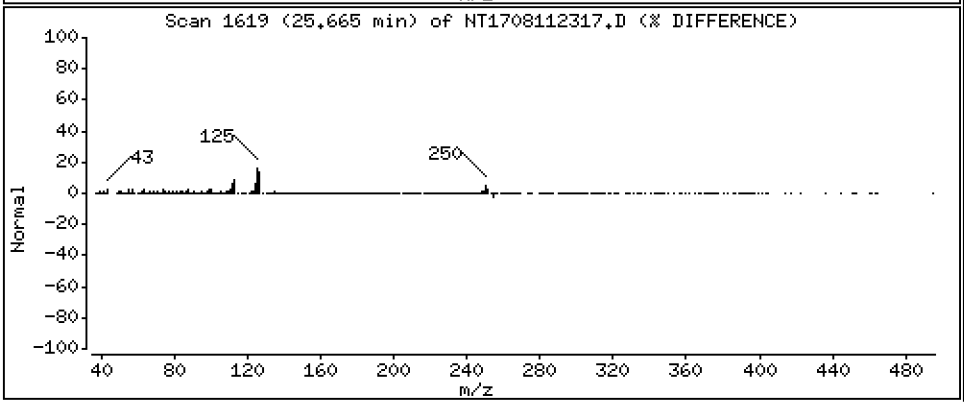
Column phase: ZB-5msi Column diameter: 0.25

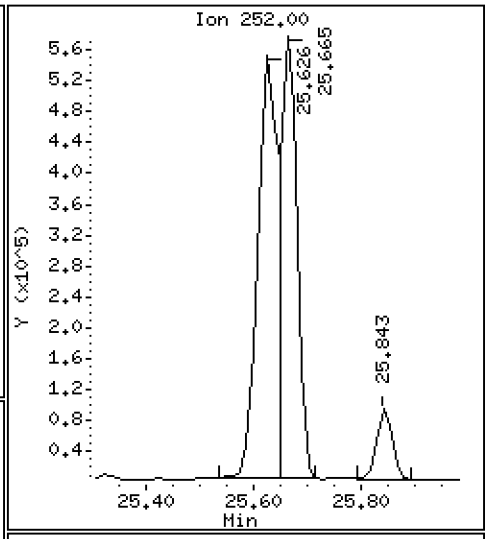
75 Benzo(k)fluoranthene Concentration: 6.945 ug/mL

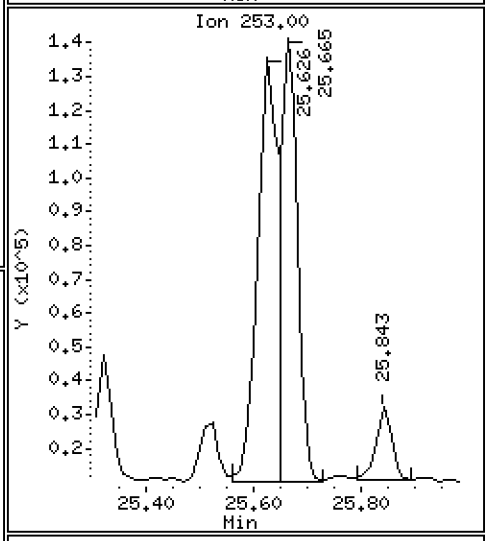


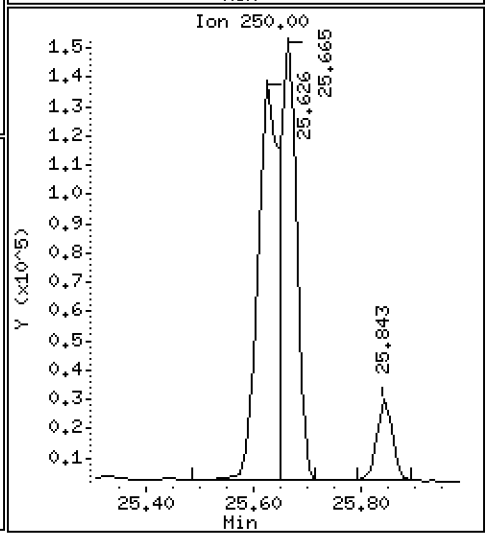












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

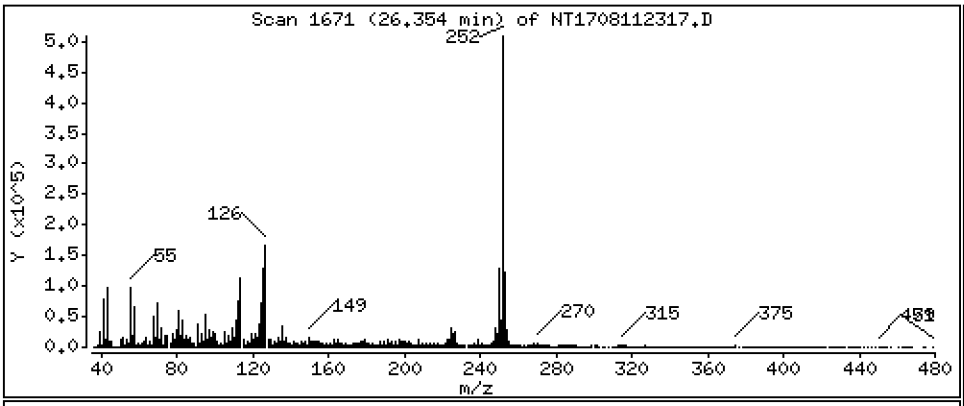
Operator: JGR

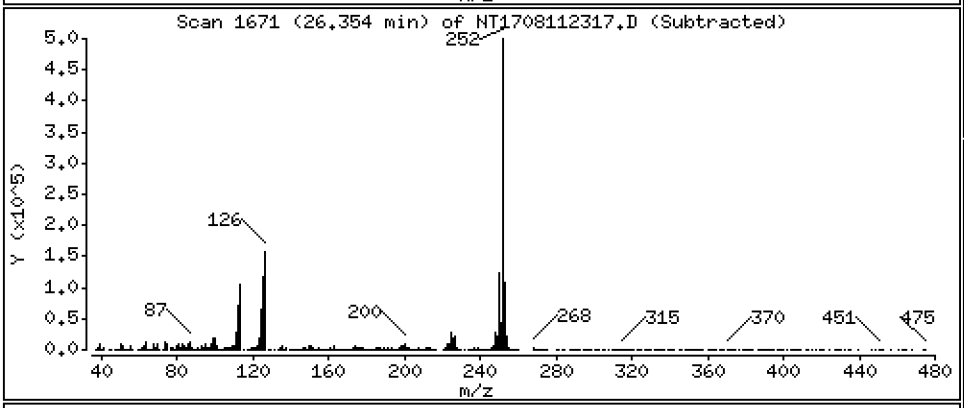
Column phase: ZB-5msi

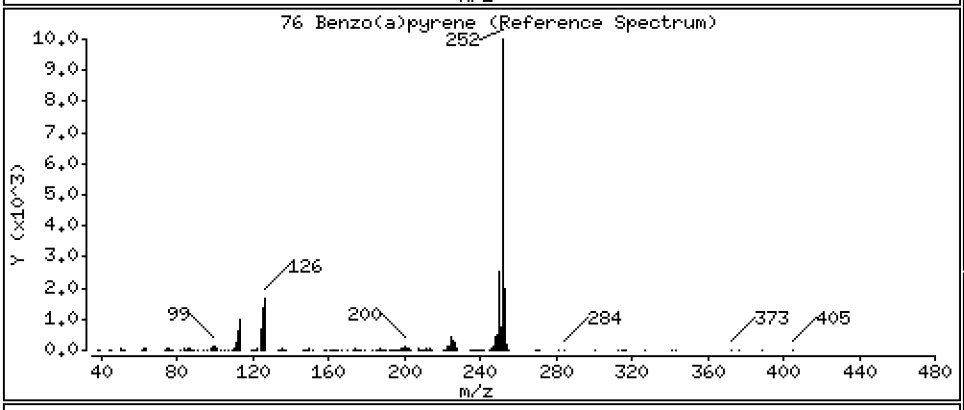
Column diameter: 0.25

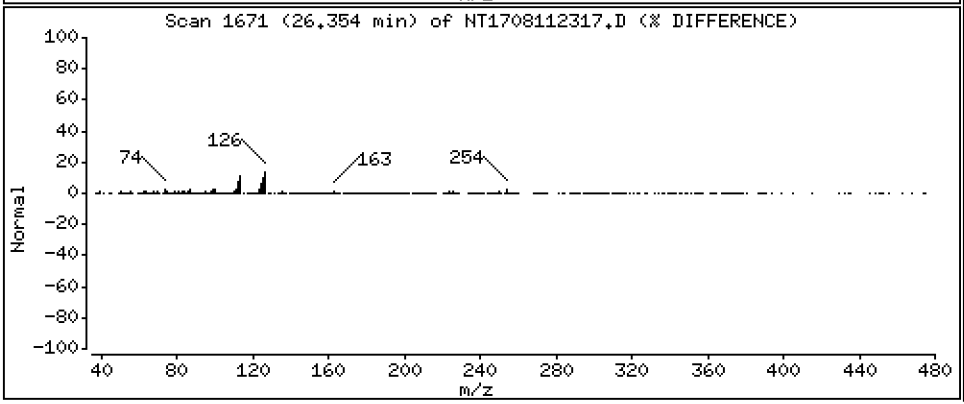
76 Benzo(a)pyrene

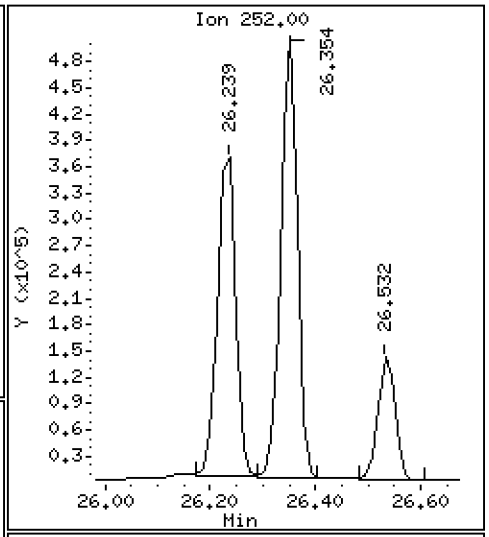
Concentration: 7.079 ug/mL

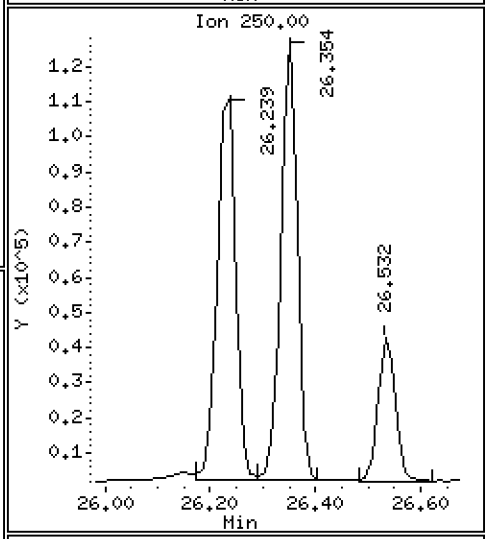


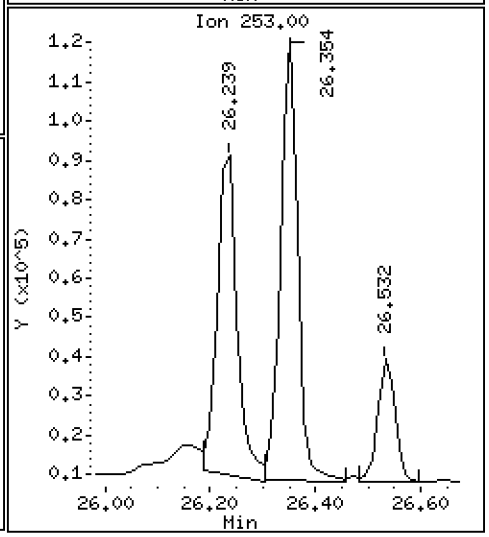












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

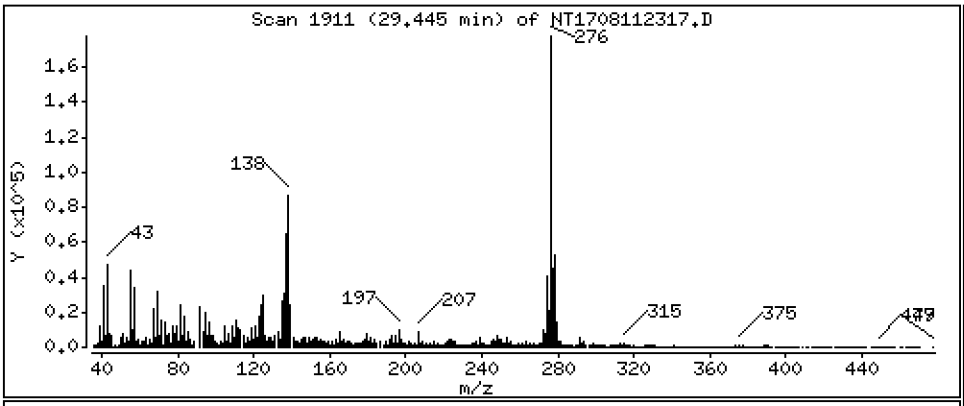
Operator: JGR

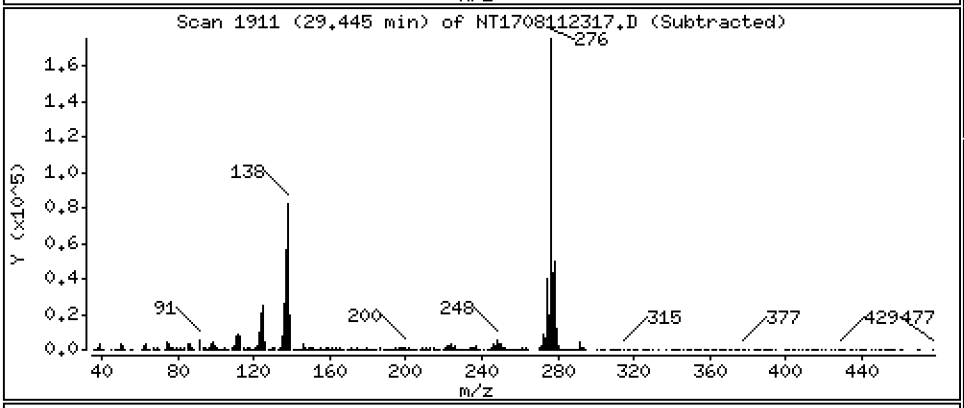
Column phase: ZB-5msi

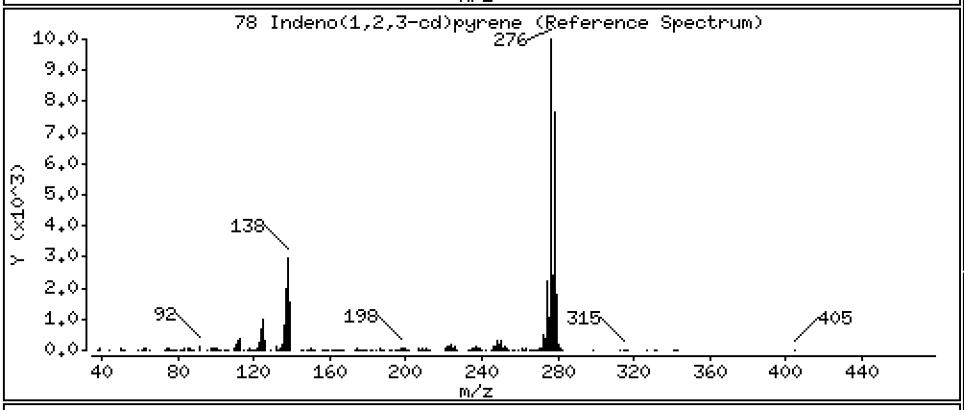
Column diameter: 0.25

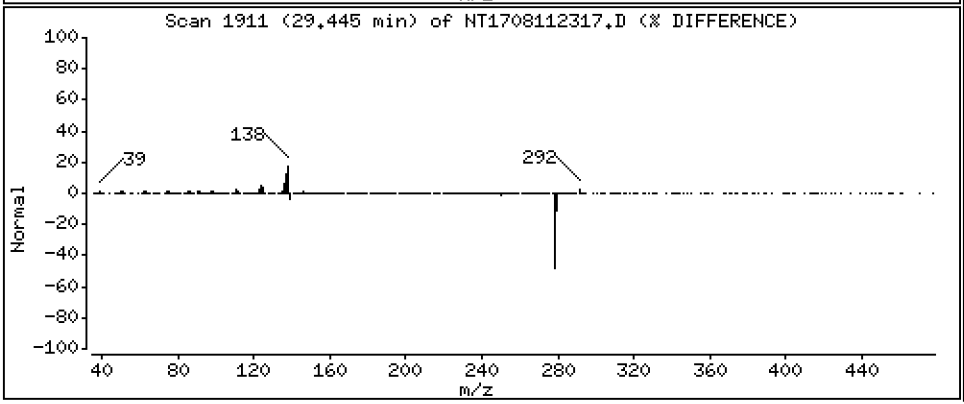
78 Indeno(1,2,3-cd)pyrene

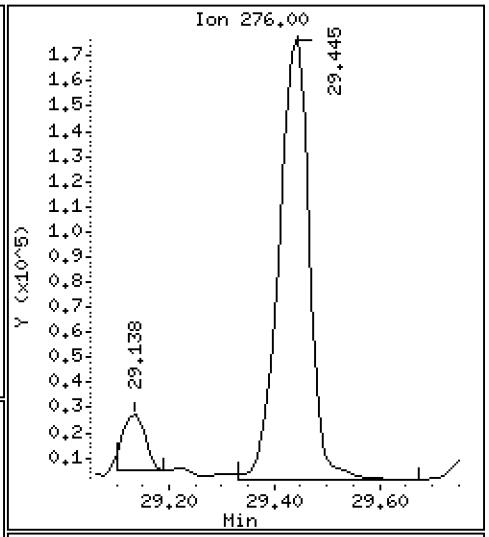
Concentration: 3.583 ug/mL

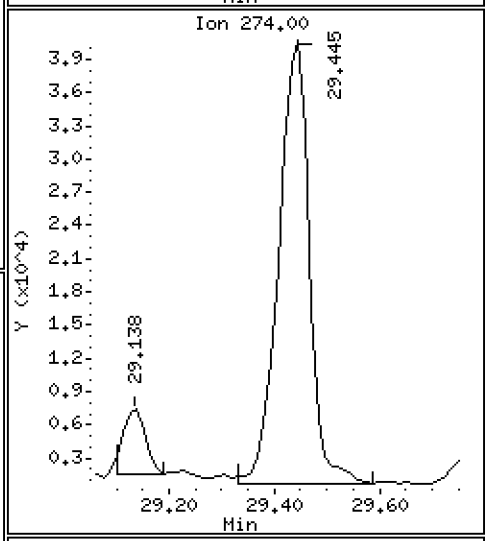


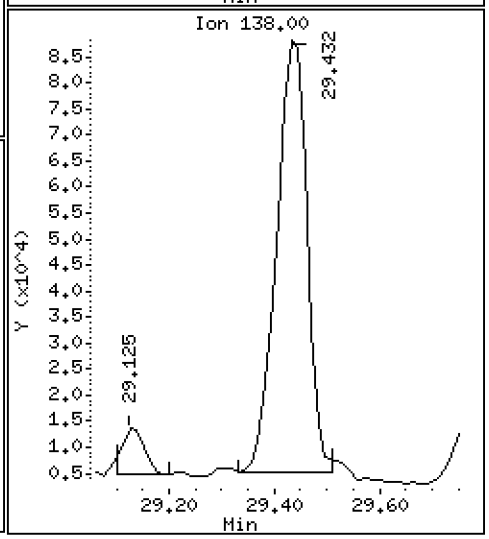












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

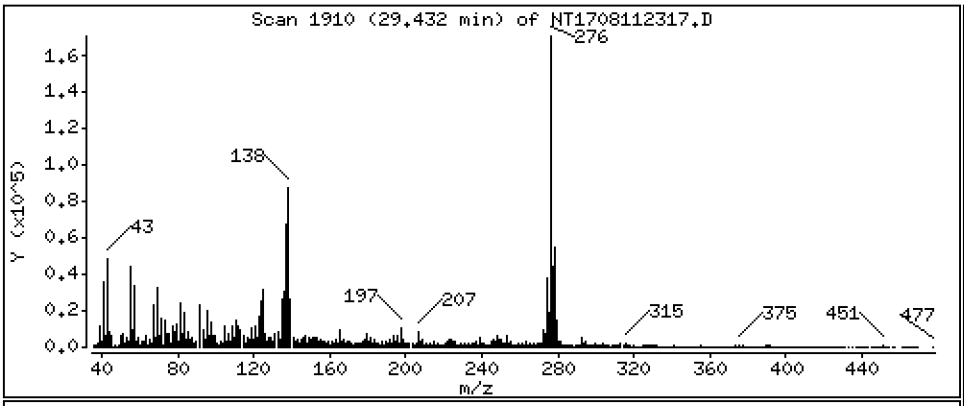
Operator: JGR

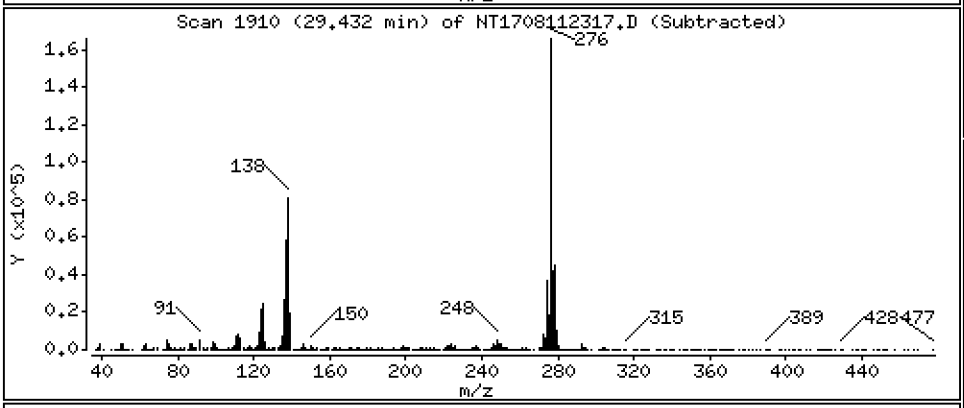
Column phase: ZB-5msi

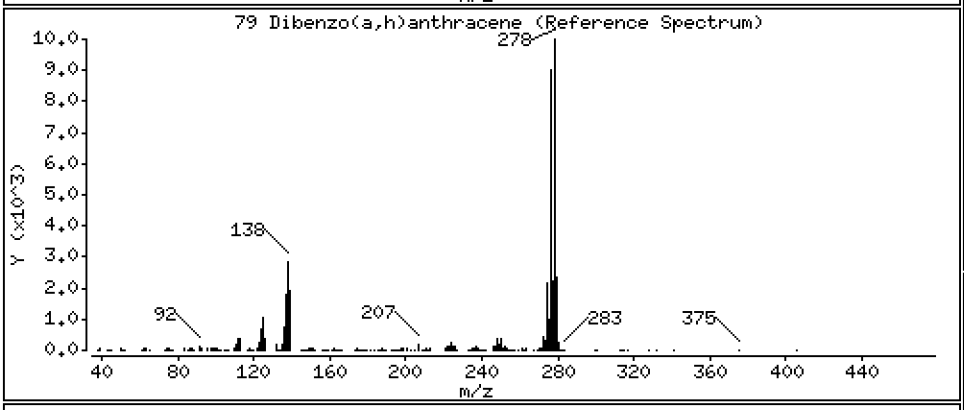
Column diameter: 0.25

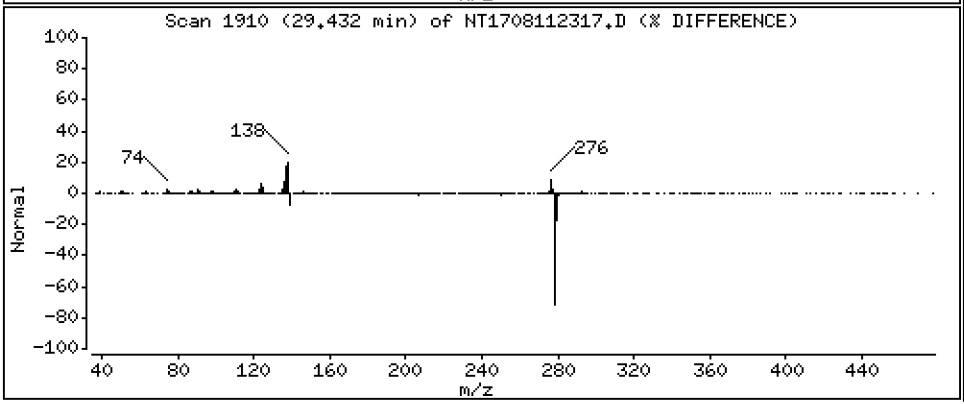
79 Dibenzo(a,h)anthracene

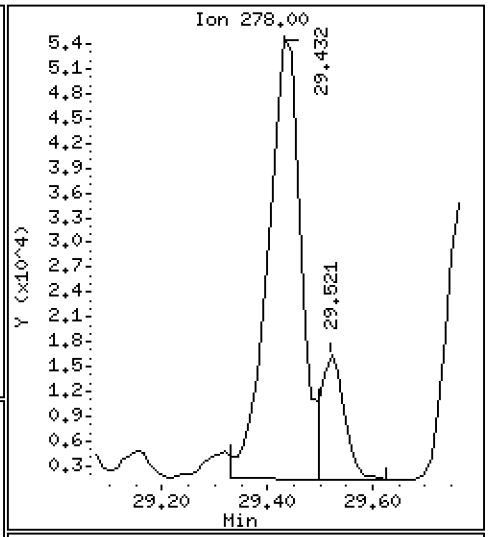
Concentration: 1.348 ug/mL

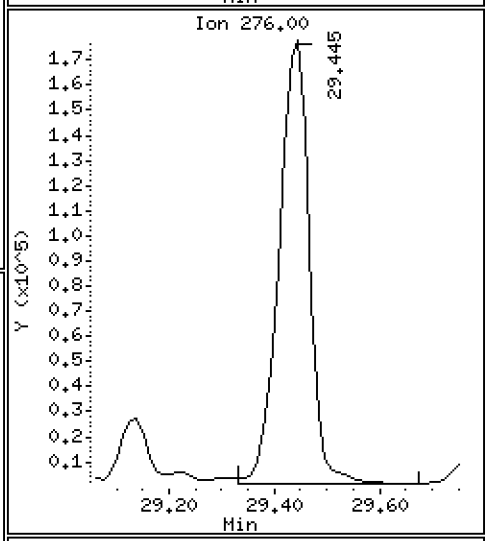


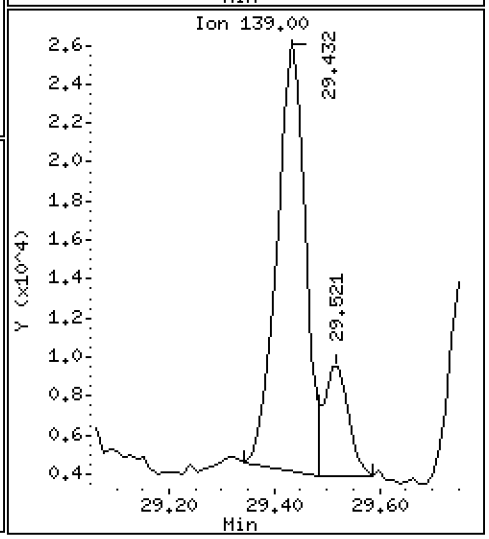












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Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

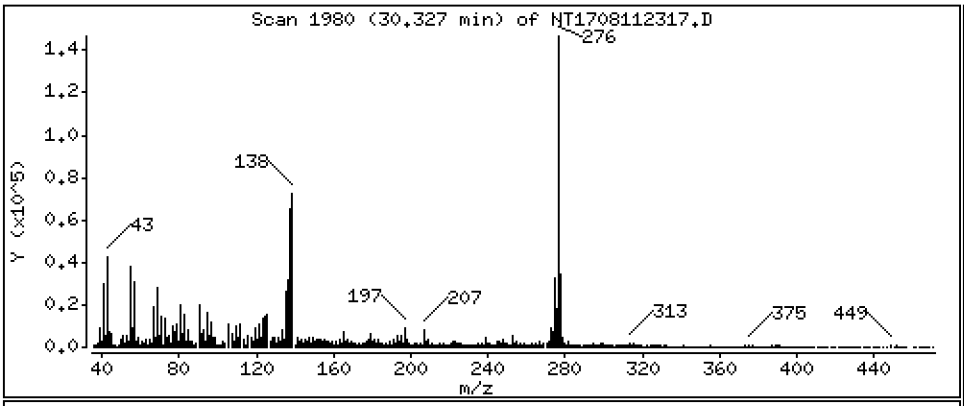
Operator: JGR

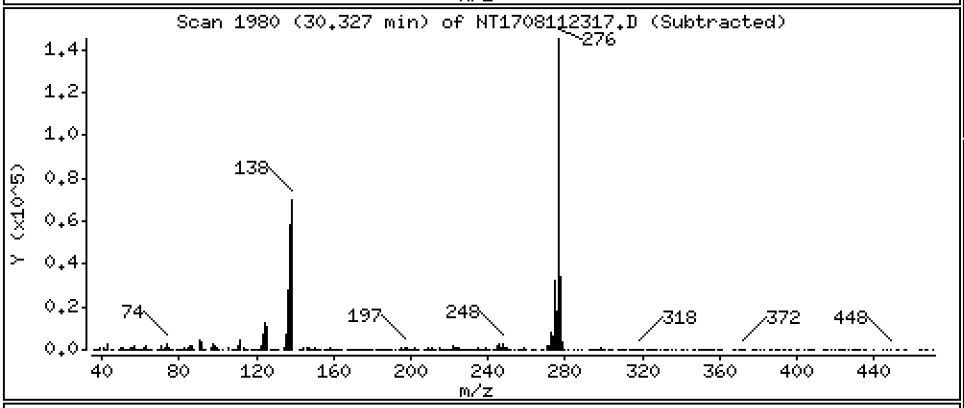
Column phase: ZB-5msi

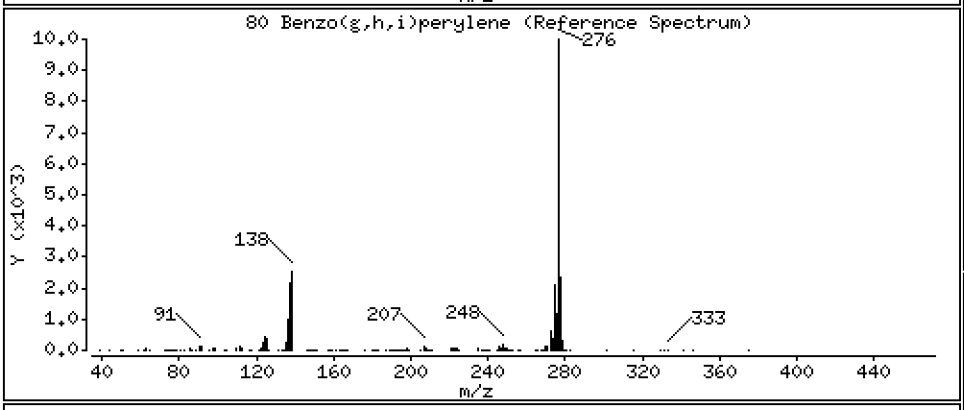
Column diameter: 0.25

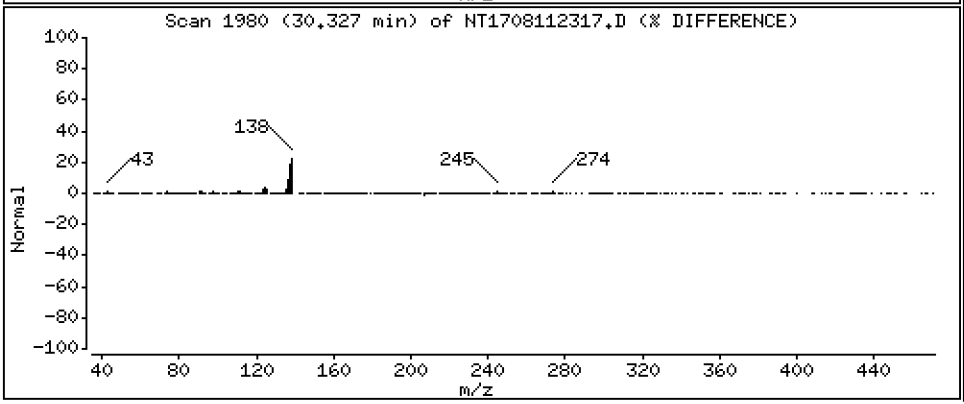
80 Benzo(g,h,i)perylene

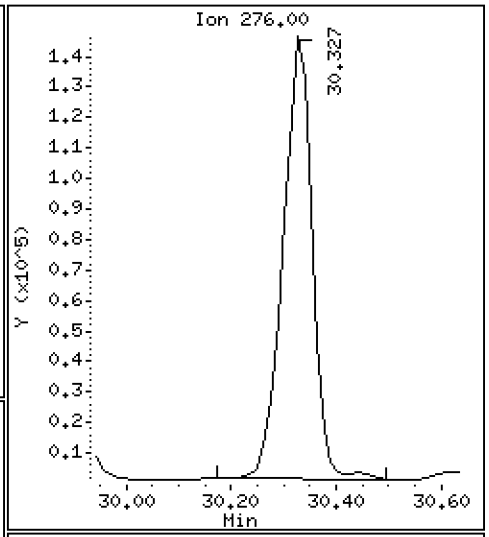
Concentration: 4.178 ug/mL

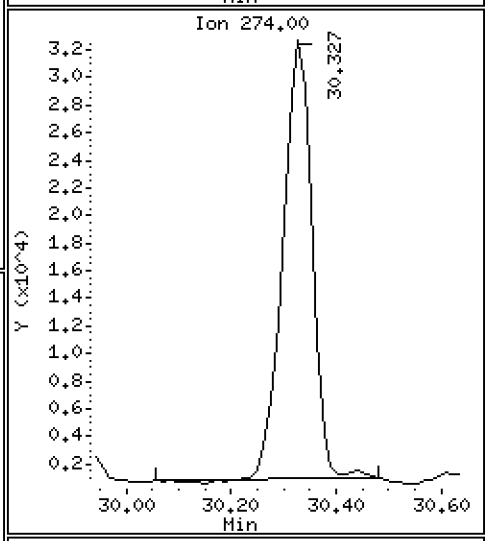


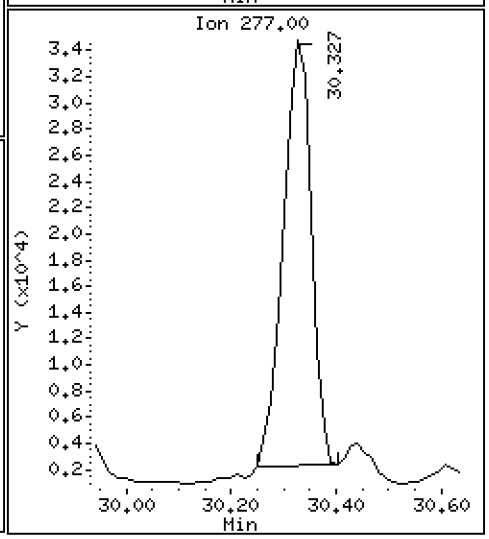












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Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

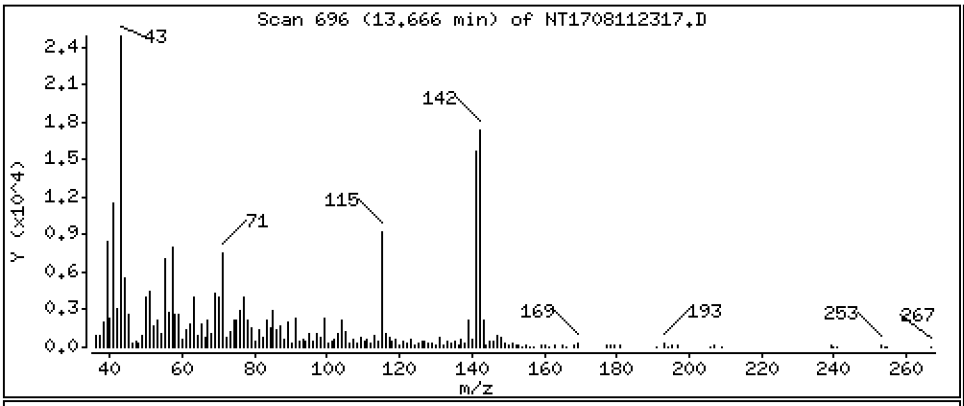
Operator: JGR

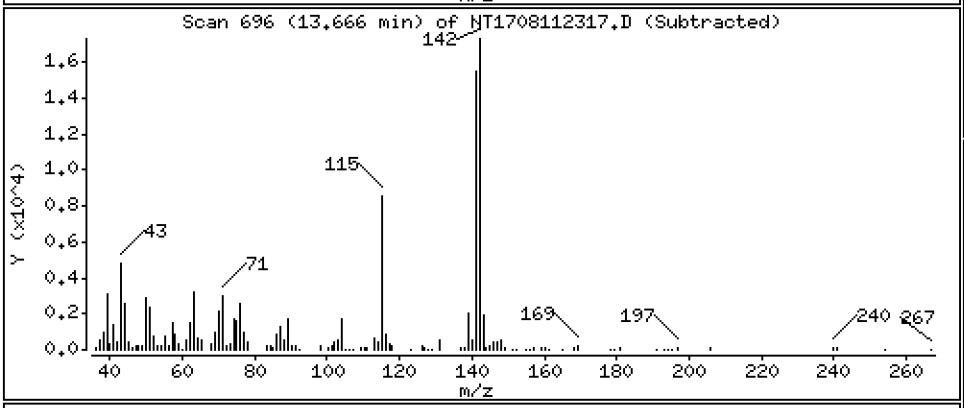
Column phase: ZB-5msi

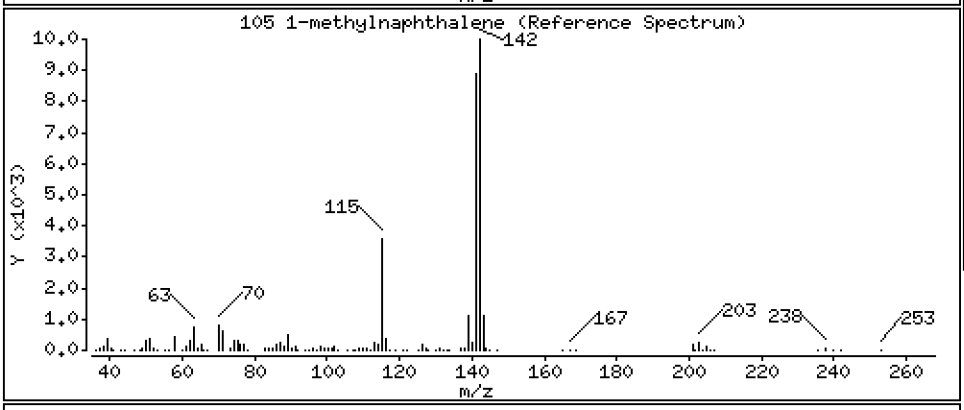
Column diameter: 0.25

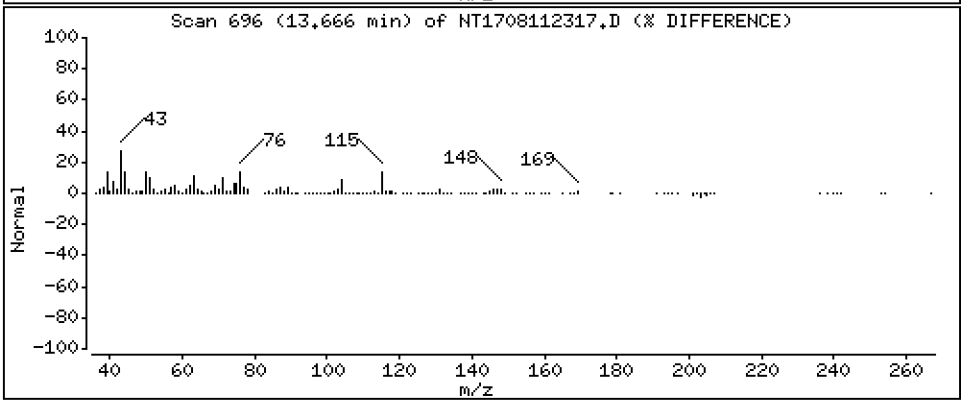
105 1-methylnaphthalene

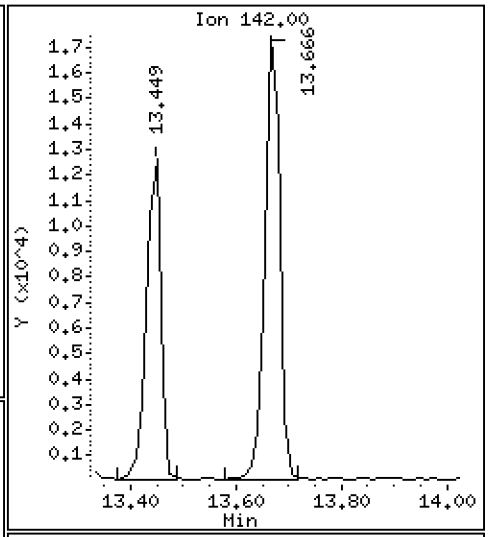
Concentration: 0.1724 ug/mL

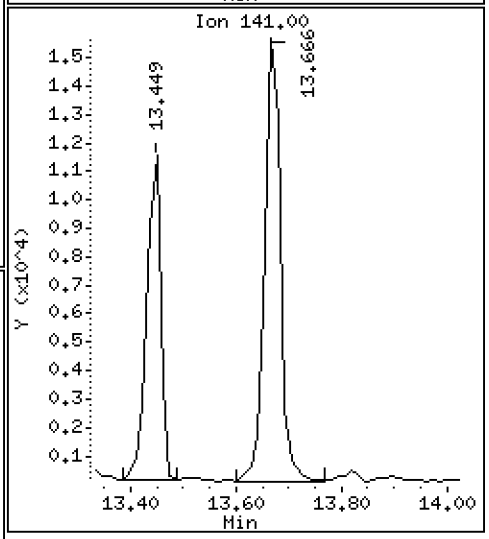












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Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

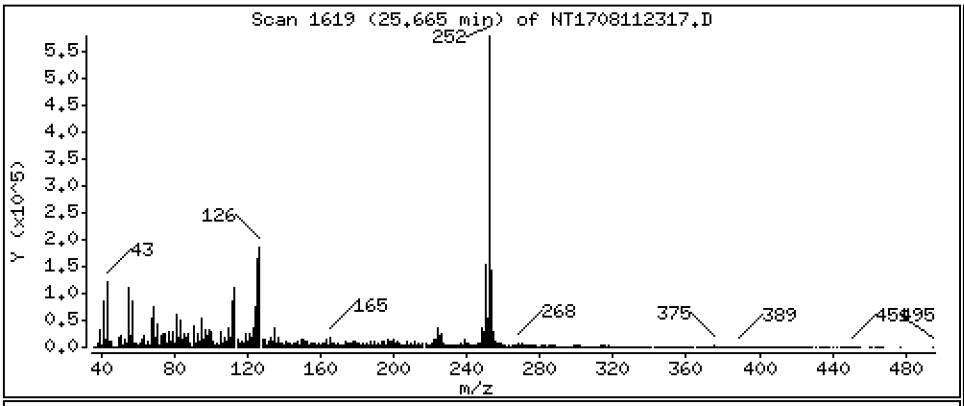
Operator: JGR

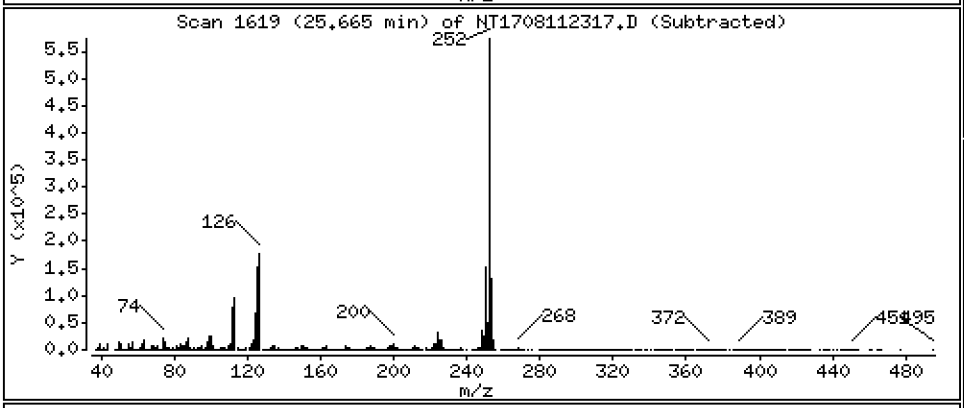
Column phase: ZB-5msi

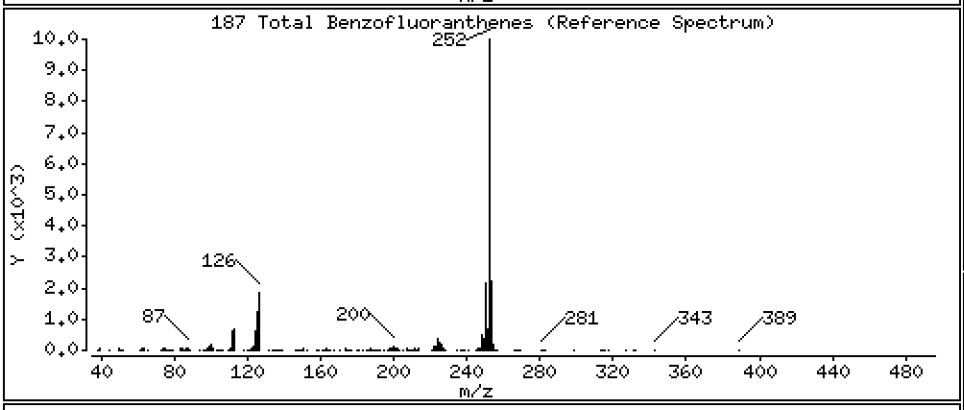
Column diameter: 0.25

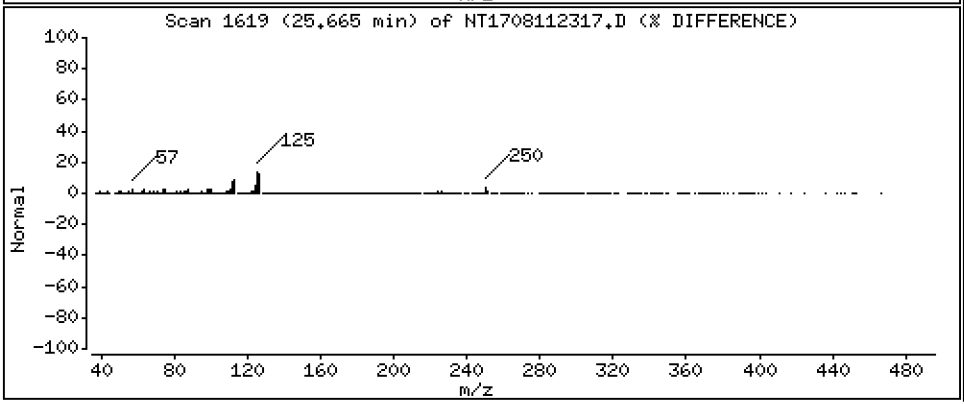
187 Total Benzofluoranthenes

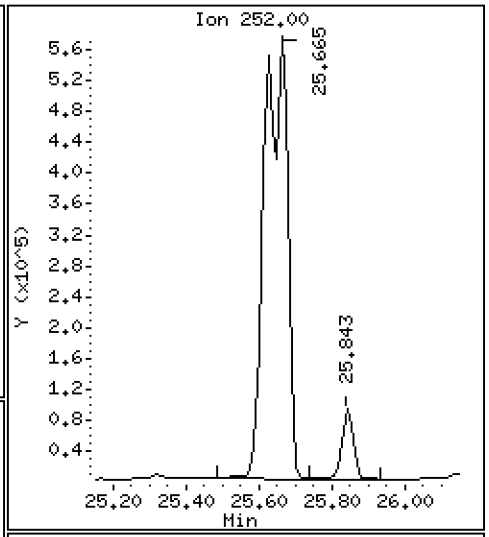
Concentration: 15.26 ug/mL

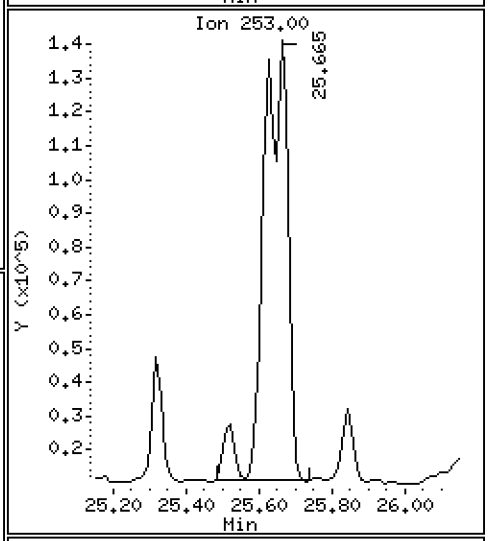


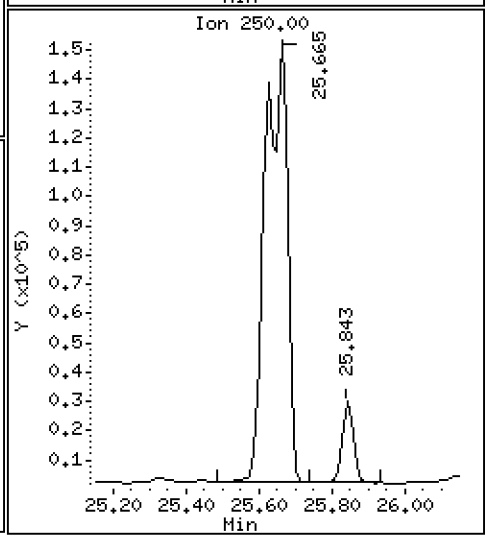












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

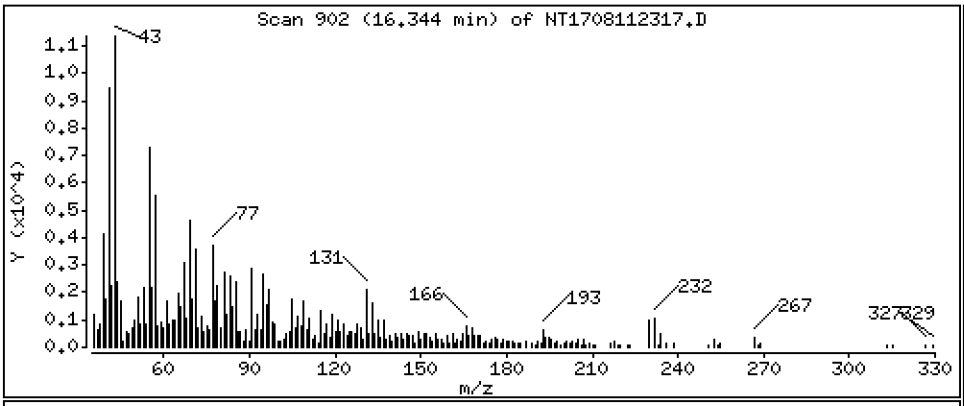
Operator: JGR

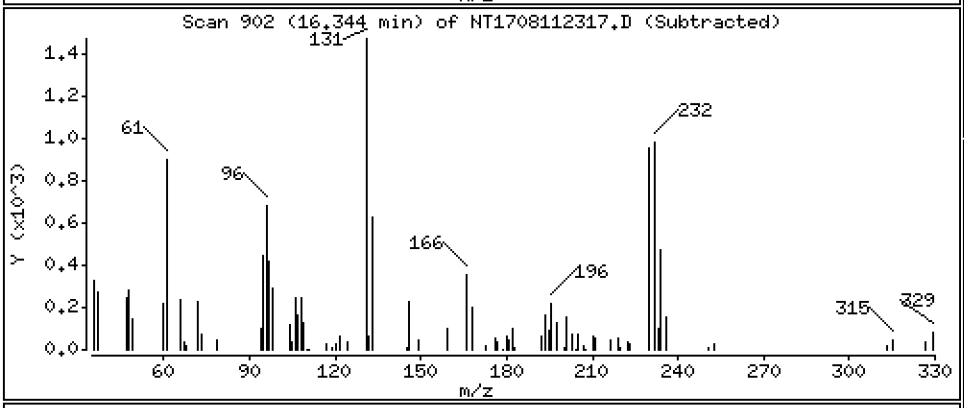
Column phase: ZB-5msi

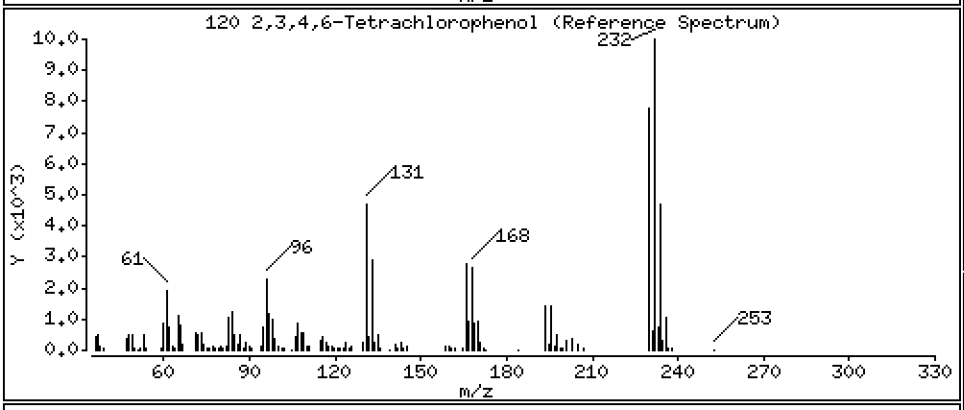
Column diameter: 0.25

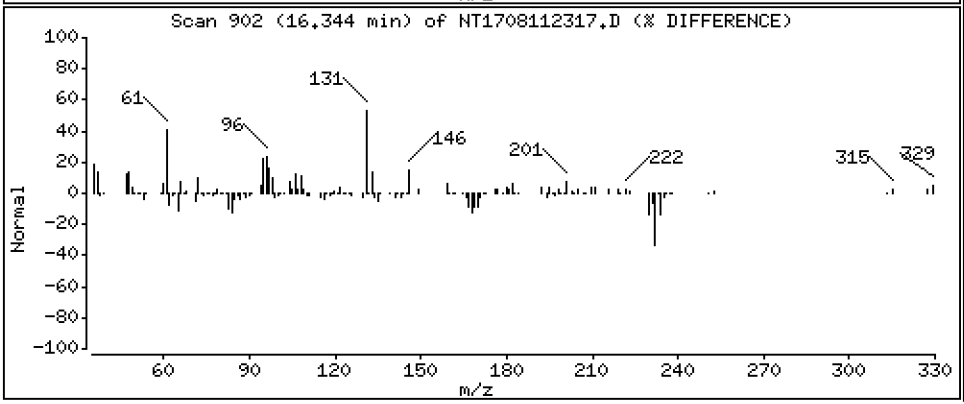
120 2,3,4,6-Tetrachlorophenol

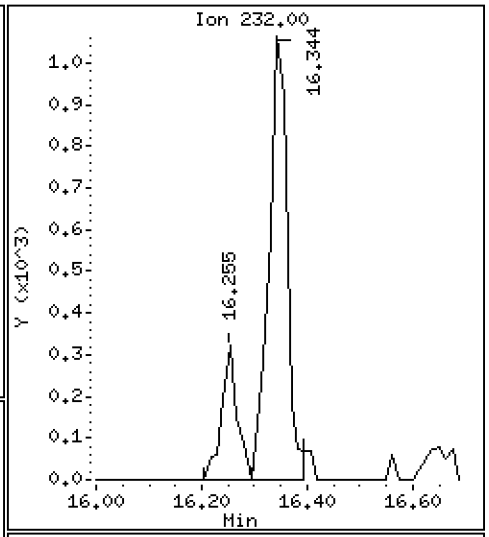
Concentration: 0.06958 ug/mL

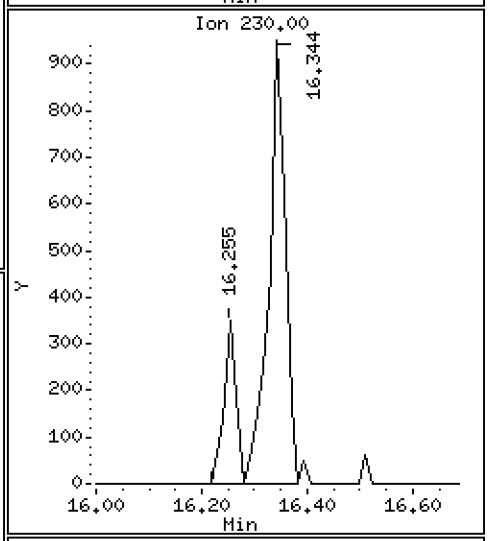


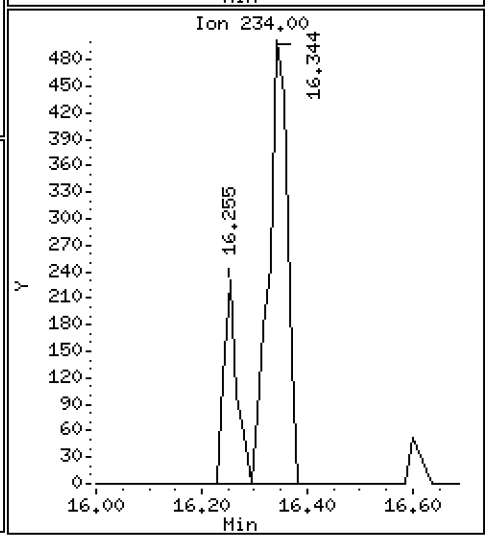












ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt17.i\20230811.b\NT1708112317.D
Lab Smp Id: 23H0221-01
Inj Date : 11-AUG-2023 22:12
Operator : JGR Inst ID: nt17.i
Smp Info : 23H0221-01
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt17.i\20230811.b\ABN.m
Meth Date : 17-Aug-2023 10:28 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:16 Cal File: NT1708102308.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	7.314	7.301	(0.767)	406456	3.46528	3.465
$	2 Phenol-d5	99	8.868	8.868	(0.930)	687463	4.11636	4.116
	3 Phenol	94	8.893	8.880	(0.933)	60490	0.34962	0.3496
$	5 2-Chlorophenol-d4	132	9.174	9.173	(0.963)	426093	4.09759	4.098
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	9.531	9.531	(1.000)	259364	4.00000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	9.888	9.901	(1.038)	179768	2.77666	2.777
	12 1,2-Dichlorobenzene	146	9.914	9.927	(1.040)	14453	0.13938	0.1394
	11 Benzyl alcohol	108	9.786	9.786	(1.027)	3989	0.05086	0.05086
	14 2,2'-oxybis(1-Chloropropane)	121	Compound Not Detected.					
	13 2-Methylphenol	108	10.004	10.003	(1.050)	7185	0.06387	0.06387
	17 Hexachloroethane	117	Compound Not Detected.					
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	10.272	10.272	(1.078)	24206	0.15209	0.1521
$	18 Nitrobenzene-d5	82	10.630	10.629	(0.884)	601090	3.50043	3.500
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	11.319	11.319	(0.942)	8085	0.06374	0.06374
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	11.421	11.549	(0.950)	113264	1.03203	1.032(H)
	25 2,4-Dichlorophenol	162	11.741	11.728	(0.977)	3305	0.05261	0.05261
	26 1,2,4-Trichlorobenzene	180	11.919	11.932	(0.992)	3112	0.04132	0.04132
*	27 Naphthalene-d8	136	12.021	12.021	(1.000)	1104786	4.00000	
	28 Naphthalene	128	12.059	12.059	(1.003)	34387	0.11444	0.1144
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	12.403	12.403	(1.032)	373	0.01077	0.01077
	31 4-Chloro-3-methylphenol	107	13.117	13.117	(1.091)	5768	0.04653	0.04653(M)
	32 2-Methylnaphthalene	142	13.449	13.449	(1.119)	23625	0.11356	0.1136
	33 Hexachlorocyclopentadiene	237	13.895	13.908	(0.889)	734	0.01560	0.01560

		QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
Compounds								
34	2,4,6-Trichlorophenol	196	14.061	14.061	(0.900)	1898	0.03648	0.03648
35	2,4,5-Trichlorophenol	196	14.138	14.137	(0.905)	1783	0.03776	0.03776
$ 36	2-Fluorobiphenyl	172	14.214	14.227	(0.909)	610188	3.33741	3.337
37	2-Chloronaphthalene	162	14.444	14.443	(0.924)	2663	0.01610	0.01610
38	2-Nitroaniline	65	14.699	14.699	(0.940)	3377	0.02528	0.02528
39	Dimethylphthalate	163	Compound Not Detected.					
40	Acenaphthylene	152	15.311	15.324	(0.980)	108133	0.42458	0.4246
41	2,6-Dinitrotoluene	165	Compound Not Detected.					
* 42	Acenaphthene-d10	164	15.630	15.630	(1.000)	494370	4.00000	
43	3-Nitroaniline	138	Compound Not Detected.					
44	Acenaphthene	153	15.693	15.693	(1.004)	140587	0.87917	0.8792
45	2,4-Dinitrophenol	184	Compound Not Detected.					
46	Dibenzofuran	168	16.012	16.025	(1.024)	60471	0.27841	0.2784
47	4-Nitrophenol	109	Compound Not Detected.					
48	2,4-Dinitrotoluene	165	Compound Not Detected.					
50	Diethylphthalate	149	16.560	16.560	(1.060)	26826	0.12113	0.1211
49	Fluorene	166	16.726	16.726	(1.070)	109825	0.63171	0.6317
51	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
52	4-Nitroaniline	138	Compound Not Detected.					
53	4,6-Dinitro-2-methylphenol	198	16.904	16.916	(0.906)	768	0.02575	0.02575
54	N-Nitrosodiphenylamine	169	Compound Not Detected.					
$ 55	2,4,6-Tribromophenol	330	17.273	17.260	(1.105)	41075	2.76663	2.767
56	4-Bromophenyl-phenylether	248	Compound Not Detected.					
57	Hexachlorobenzene	284	Compound Not Detected.					
58	Pentachlorophenol	266	18.394	18.381	(0.986)	92316	4.28702	4.287
* 59	Phenanthrene-d10	188	18.662	18.662	(1.000)	796145	4.00000	
60	Phenanthrene	178	18.713	18.713	(1.003)	1225759	5.32615	5.326
61	Anthracene	178	18.802	18.802	(1.008)	220329	1.06745	1.067
62	Carbazole	167	19.121	19.121	(1.025)	120818	0.59557	0.5956
63	Di-n-butylphthalate	149	19.873	19.860	(1.065)	12810	0.03347	0.03347
64	Fluoranthene	202	21.072	21.059	(0.891)	3282388	15.2897	15.29
65	Pyrene	202	21.493	21.480	(0.909)	3092256	13.7870	13.79
$ 66	Terphenyl-d14	244	21.748	21.735	(0.920)	589225	3.71764	3.718
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	23.623	23.610	(0.999)	1597024	7.91541	7.915
* 69	Chrysene-d12	240	23.649	23.648	(1.000)	524402	4.00000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	23.700	23.687	(1.002)	1637540	9.47722	9.477
72	bis(2-Ethylhexyl)phthalate	149	23.636	23.636	(0.959)	320219	1.38175	1.382
* 134	Di-n-octylphthalate-d4	153	24.656	24.643	(1.000)	1408260	4.00000	
73	Di-n-octylphthalate	149	24.669	24.656	(1.001)	18479	0.04858	0.04858(H)
74	Benzo(b)fluoranthene	252	25.626	25.600	(0.968)	1557030	7.40169	7.402
75	Benzo(k)fluoranthene	252	25.664	25.651	(0.970)	1238401	6.94540	6.945
76	Benzo(a)pyrene	252	26.353	26.327	(0.996)	1140765	7.07890	7.079
* 77	Perylene-d12	264	26.468	26.455	(1.000)	482571	4.00000	
78	Indeno(1,2,3-cd)pyrene	276	29.444	29.406	(1.112)	706597	3.58341	3.583
79	Dibenzo(a,h)anthracene	278	29.431	29.419	(1.112)	233231	1.34758	1.348
80	Benzo(g,h,i)perylene	276	30.326	30.288	(1.146)	564729	4.17763	4.178(M)
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	142	13.666	13.678	(1.137)	32882	0.17236	0.1724
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.664	25.651	(0.970)	2513376	15.2563	15.26
120 2,3,4,6-Tetrachlorophenol	232	16.343	16.343	(1.046)	2533	0.06958	0.06958

QC Flag Legend

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

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708112317.D
Lab Smp Id: 23H0221-01
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230811.b\ABN.m
Misc Info:

Calibration Date: 11-AUG-2023
Calibration Time: 12:50
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	243724	121862	487448	259364	6.42
27 Naphthalene-d8	1014927	507464	2029854	1104786	8.85
42 Acenaphthene-d10	473303	236652	946606	494370	4.45
59 Phenanthrene-d10	780320	390160	1560640	796145	2.03
69 Chrysene-d12	509205	254603	1018410	524402	2.98
134 Di-n-octylphthala	1278671	639336	2557342	1408260	10.13
77 Perylene-d12	502984	251492	1005968	482571	-4.06

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.53	9.03	10.03	9.53	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.66	0.00
69 Chrysene-d12	23.65	23.15	24.15	23.65	0.00
134 Di-n-octylphthala	24.64	24.14	25.14	24.66	0.05
77 Perylene-d12	26.46	25.96	26.96	26.47	0.05

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

REVIEW SUMMARY FOR FILE - NT1708112317.D

Lab ID: 23H0221-01
nt17.i, ABN.m, 11-AUG-2023 22:12

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.950	0.961	-0.0106	Benzoic acid

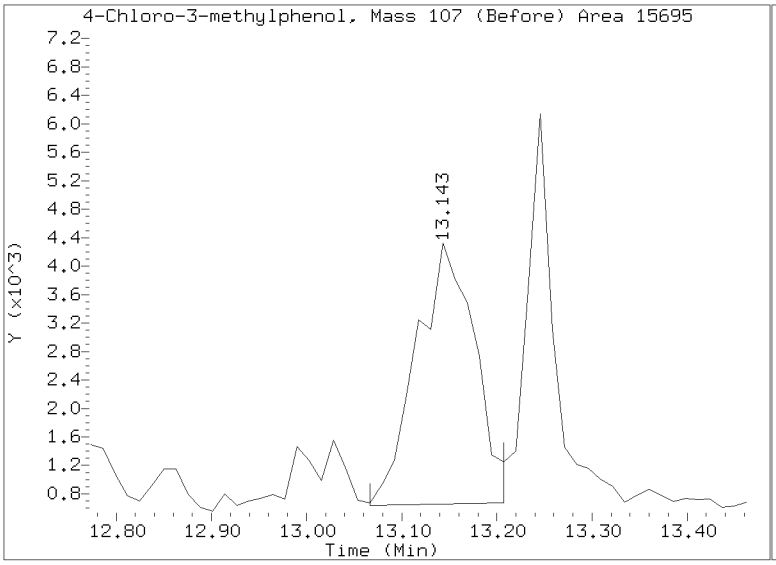
RRT check based on Ccal File: NT1708112302.D

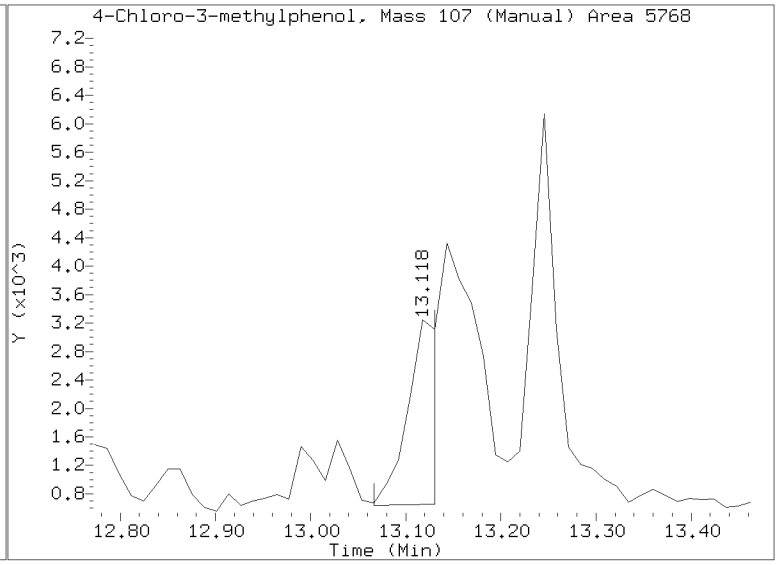
On Column LOD for nt17.i, ABN.m, ICAL.sub = 0.0000

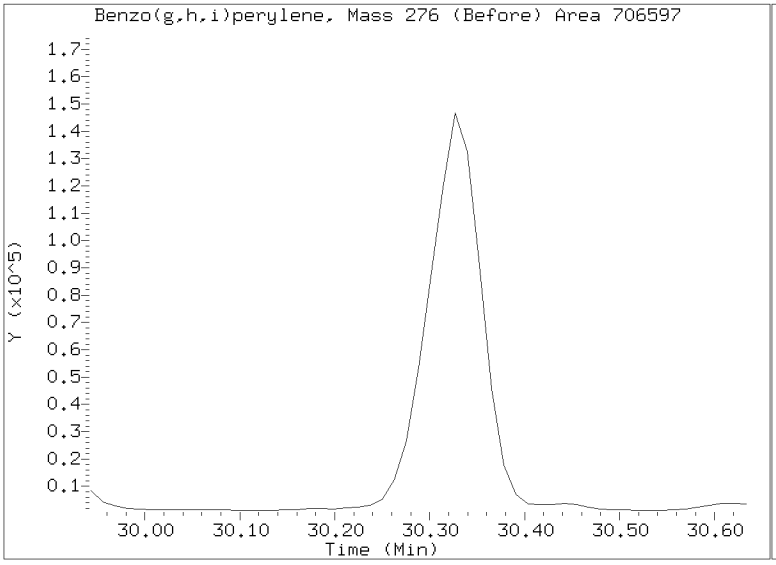
* Only compounds listed in the work order have been verified by the analyst *

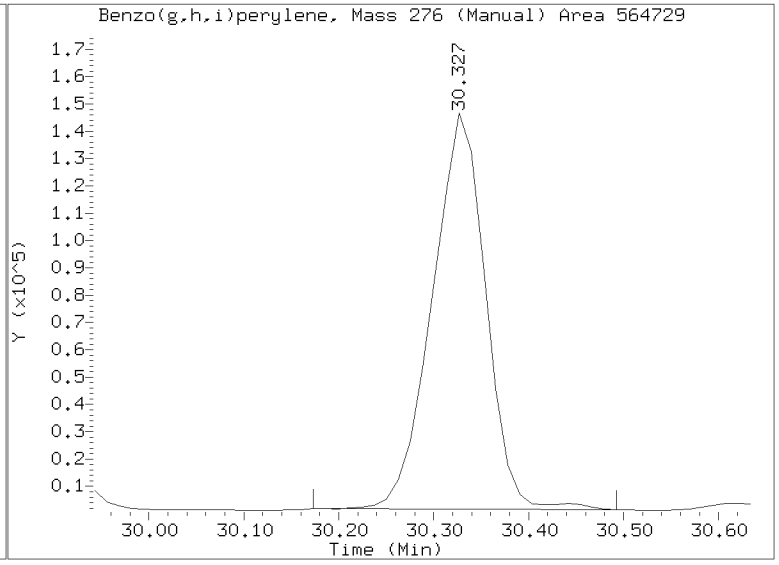
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230811.b/NT1708112317.D
Injection Date: 11-AUG-2023 22:12
Lab ID:23H0221-01 Client ID:
Report Date: 08/17/2023 10:32









LDW23-SS1068

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

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC5 MR Phase 1				
Matrix:	Sediment	Laboratory ID:	23H0221-02 B	SDG:	23H0221
Sampled:	04/10/23 16:11	Prepared:	08/08/23 09:17	File ID:	NT1708112318.D
% Solids:	79.16	Preparation:	EPA 3546 (Microwave)	Analyzed:	08/11/23 22:49
Batch:	BLH0180	Sequence:	SLH0241	Initial/Final:	12.63 g Wet / 1 mL
Instrument:	NT17	Column:	ZB-5MS	Calibration:	GH00044
Cleanups:	GPC				

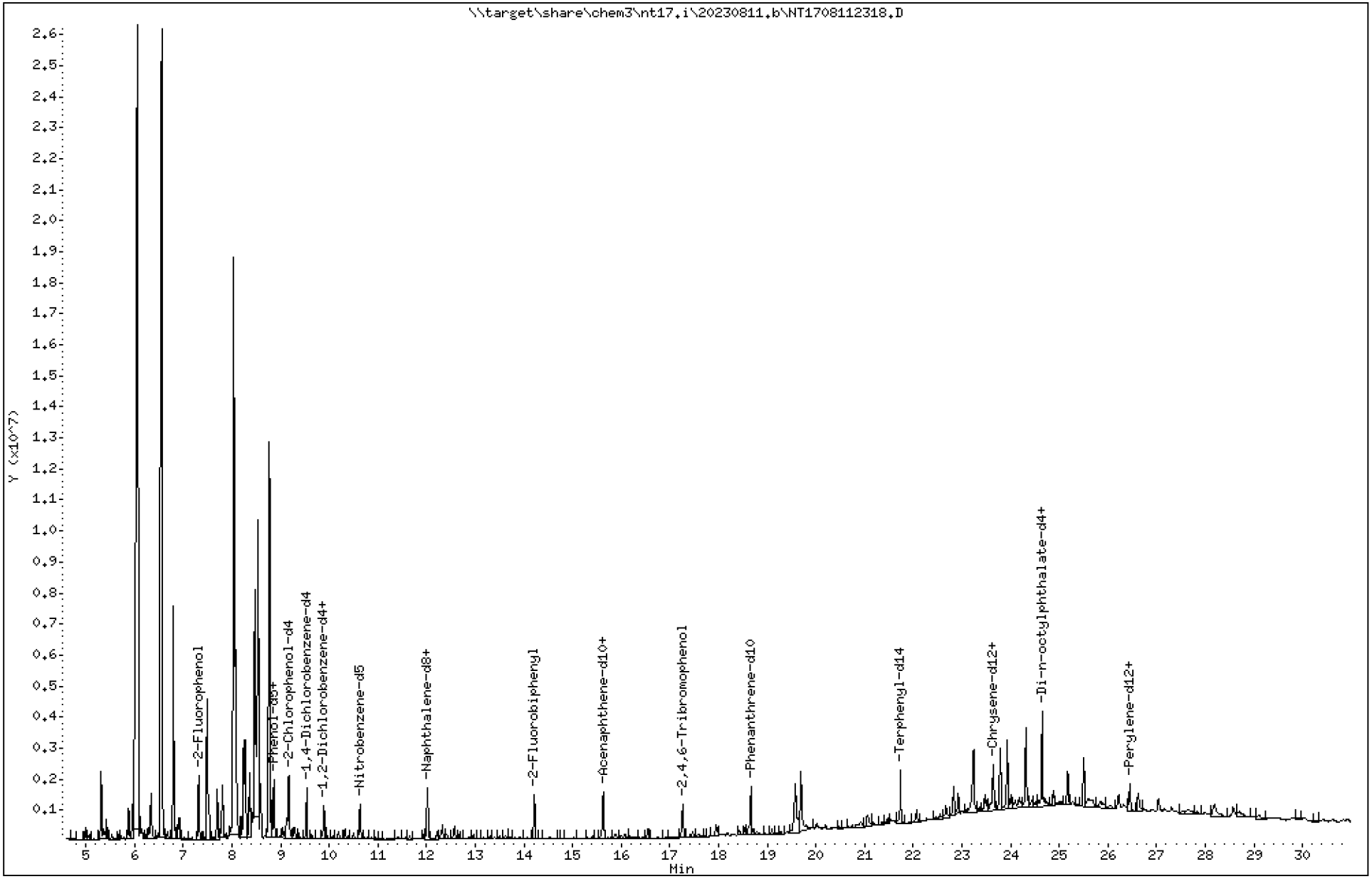
CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
108-95-2	Phenol	1	20.2		4.4	20.0
106-44-5	4-Methylphenol	1	20.0	U	7.4	20.0
91-20-3	Naphthalene	1	20.0	U	4.2	20.0
91-57-6	2-Methylnaphthalene	1	20.0	U	4.5	20.0
208-96-8	Acenaphthylene	1	20.0	U	6.2	20.0
131-11-3	Dimethylphthalate	1	20.0	U	4.4	20.0
83-32-9	Acenaphthene	1	20.0	U	5.2	20.0
132-64-9	Dibenzofuran	1	20.0	U	14.1	20.0
86-73-7	Fluorene	1	20.0	U	14.6	20.0
85-01-8	Phenanthrene	1	25.1		8.7	20.0
120-12-7	Anthracene	1	8.0	J	7.2	20.0
206-44-0	Fluoranthene	1	49.5		6.1	20.0
129-00-0	Pyrene	1	46.3		5.7	20.0
85-68-7	Butylbenzylphthalate	1	20.0	U	9.4	20.0
56-55-3	Benzo(a)anthracene	1	25.6		6.0	20.0
218-01-9	Chrysene	1	27.9		6.1	20.0
117-81-7	bis(2-Ethylhexyl)phthalate	1	20.7	J	14.1	50.0
	Benzofluoranthenes, Total	1	41.8		21.0	40.0
50-32-8	Benzo(a)pyrene	1	21.4		4.2	20.0
193-39-5	Indeno(1,2,3-cd)pyrene	1	20.0	U	14.7	20.0
53-70-3	Dibenzo(a,h)anthracene	1	20.0	U	17.2	20.0
191-24-2	Benzo(g,h,i)perylene	1	16.0	J	13.6	20.0

SURROGATES	ADDED:(ug/mL)	(ug/mL)	% REC	QC LIMITS	Q
2-Fluorophenol	7.5000	4.42	59.0	27 - 120	
Phenol-d5	7.5000	4.30	57.3	29 - 120	
2-Chlorophenol-d4	7.5000	4.58	61.0	31 - 120	
1,2-Dichlorobenzene-d4	5.0000	2.77	55.5	32 - 120	
Nitrobenzene-d5	5.0000	3.37	67.4	30 - 120	
2-Fluorobiphenyl	5.0000	3.12	62.5	35 - 120	
2,4,6-Tribromophenol	7.5000	5.53	73.7	24 - 134	
p-Terphenyl-d14	5.0000	4.42	88.4	37 - 120	

Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D
Date : 11-AUG-2023 22:49
Client ID:
Sample Info: 23H0221-02

Instrument: nt17.i
Operator: JGR
Column diameter: 0.25

Column phase: ZB-5msi



Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

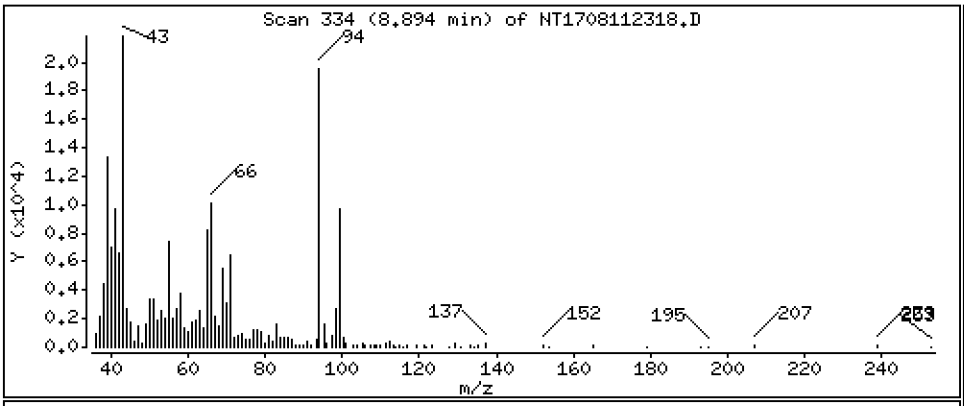
Operator: JGR

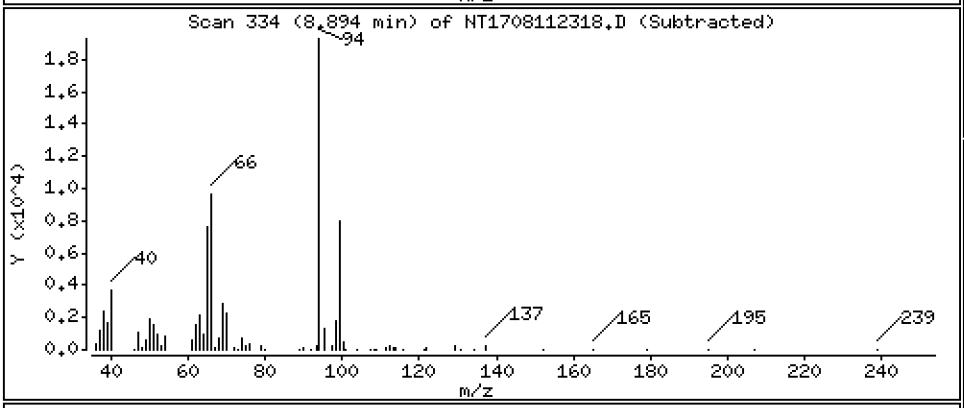
Column phase: ZB-5msi

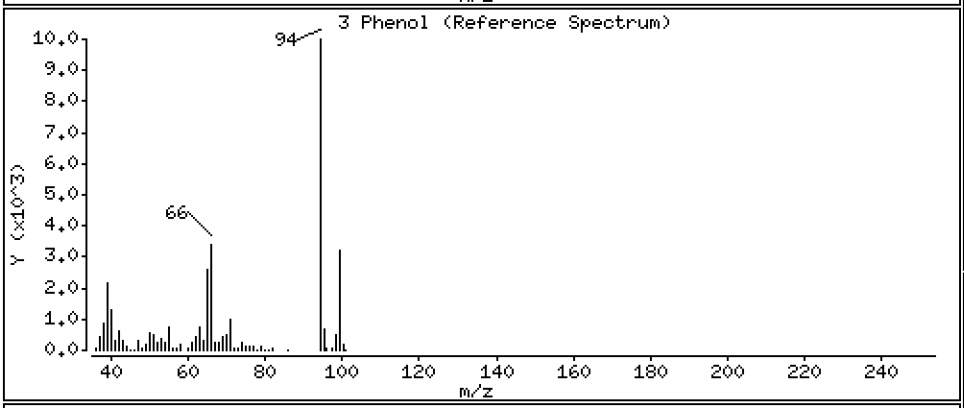
Column diameter: 0.25

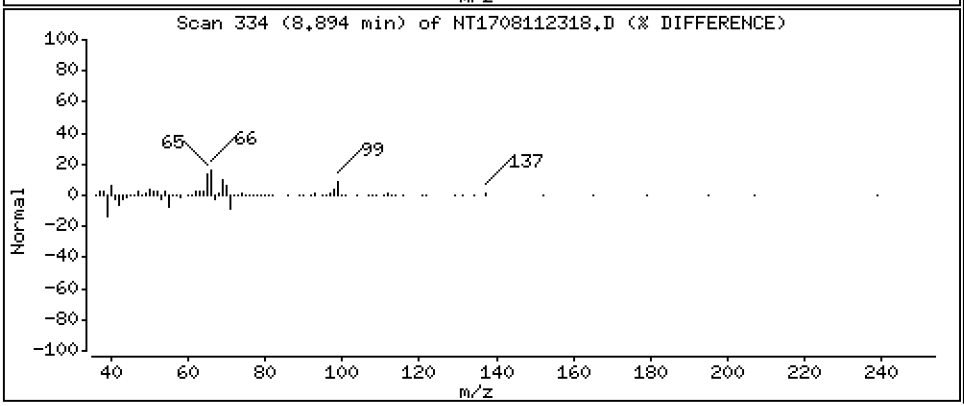
3 Phenol

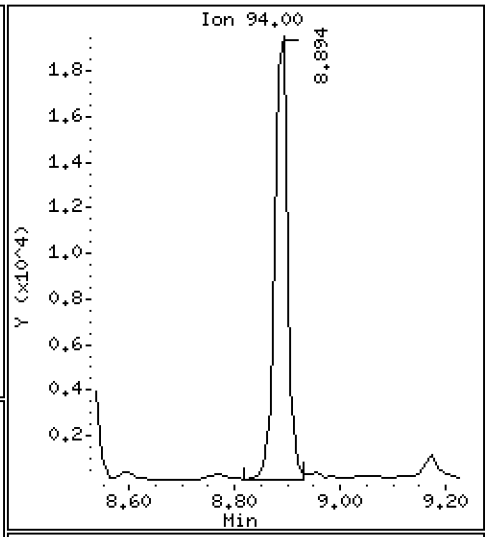
Concentration: 0.2019 ug/mL

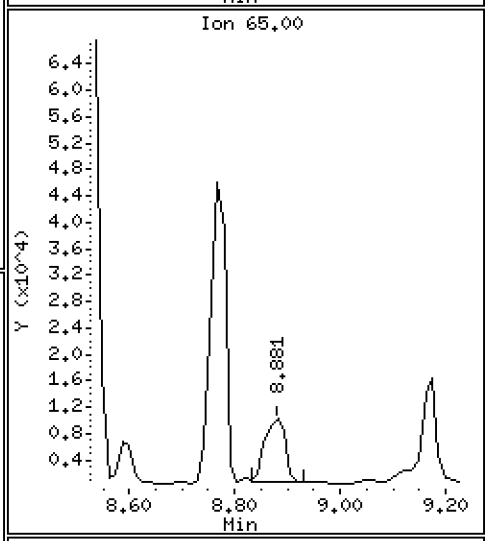


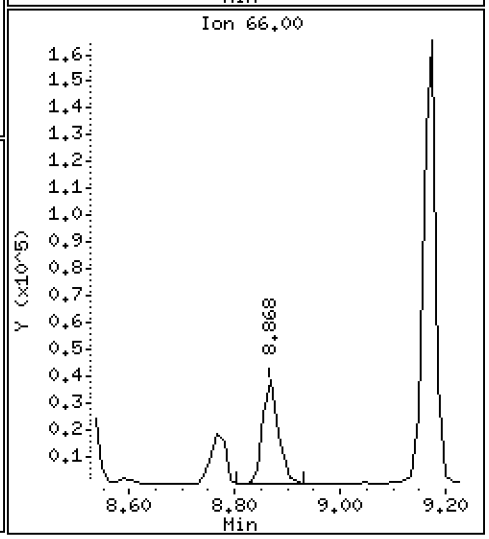












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Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

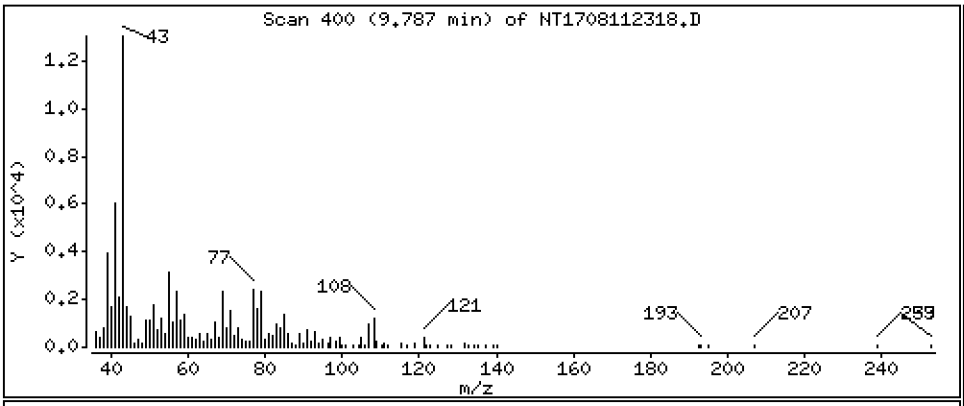
Operator: JGR

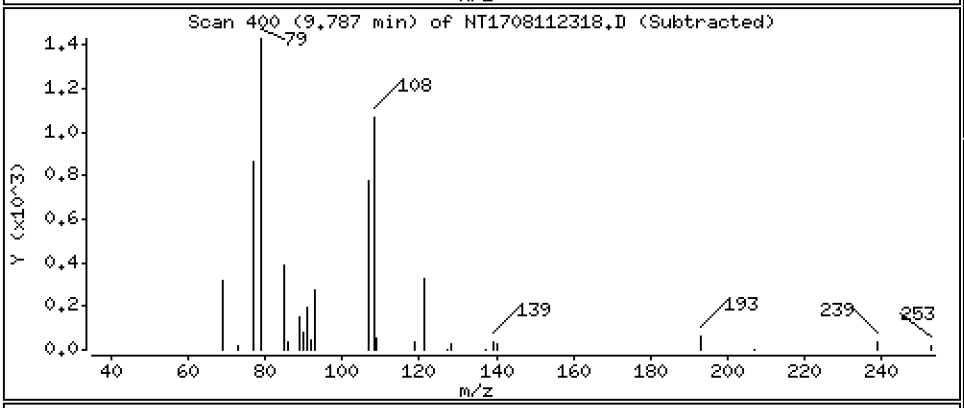
Column phase: ZB-5msi

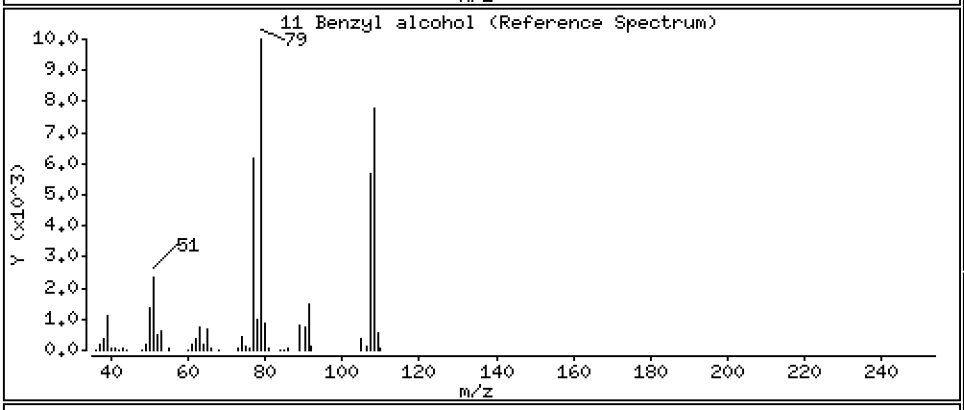
Column diameter: 0.25

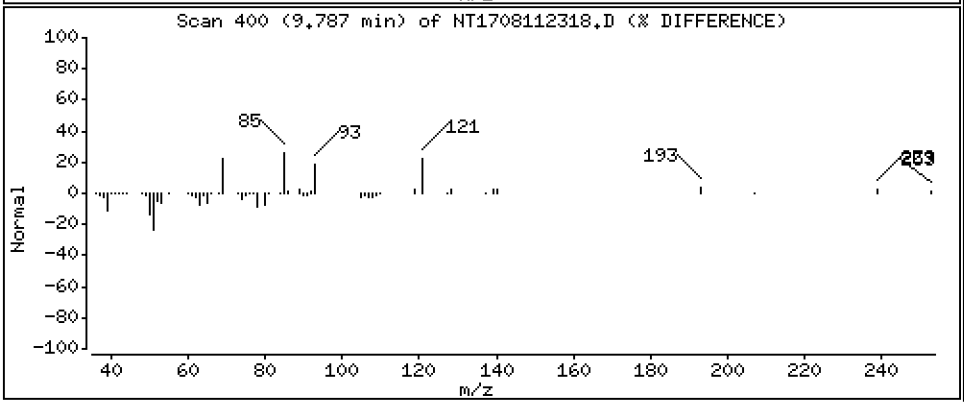
11 Benzyl alcohol

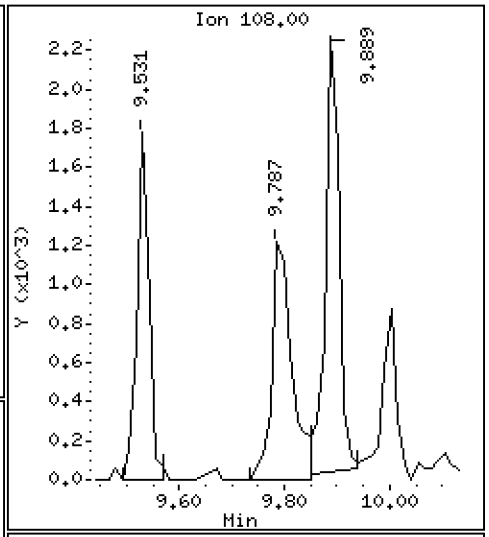
Concentration: 0.04155 ug/mL

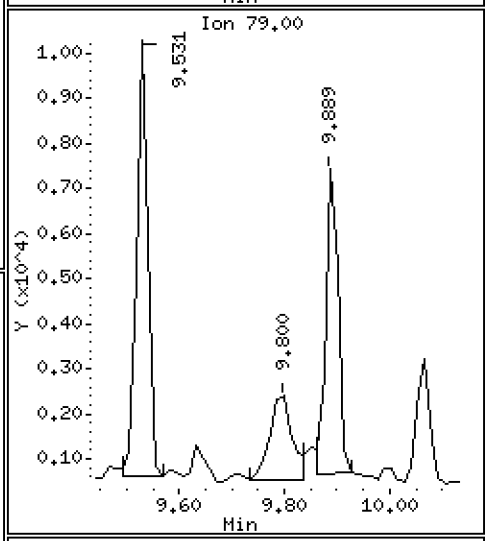


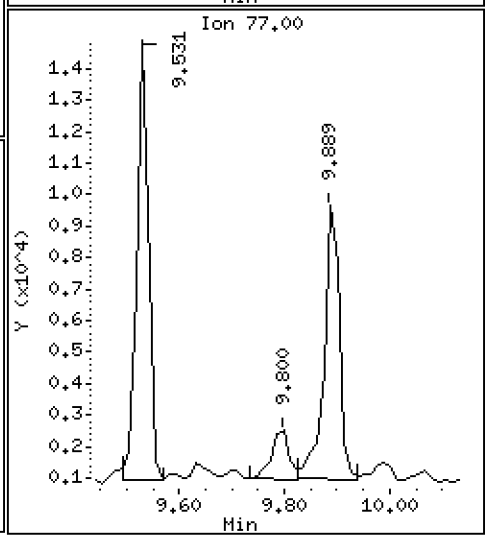












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Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

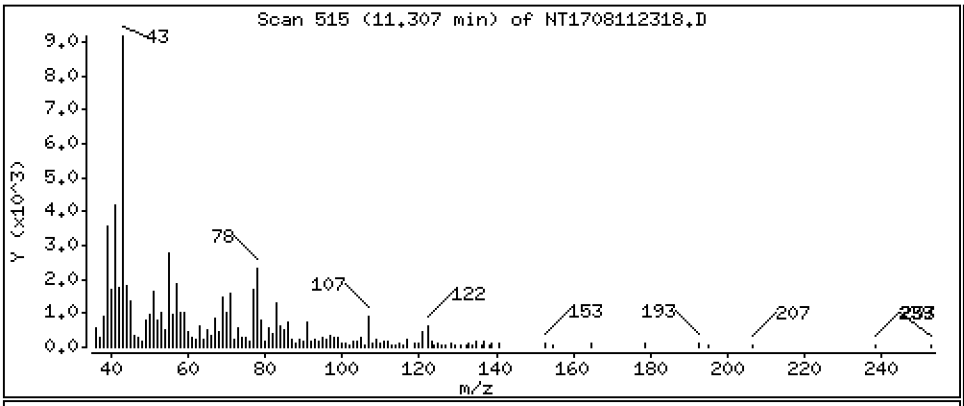
Operator: JGR

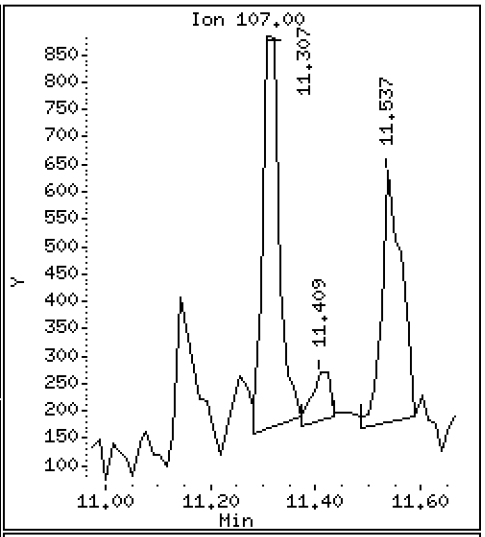
Column phase: ZB-5msi

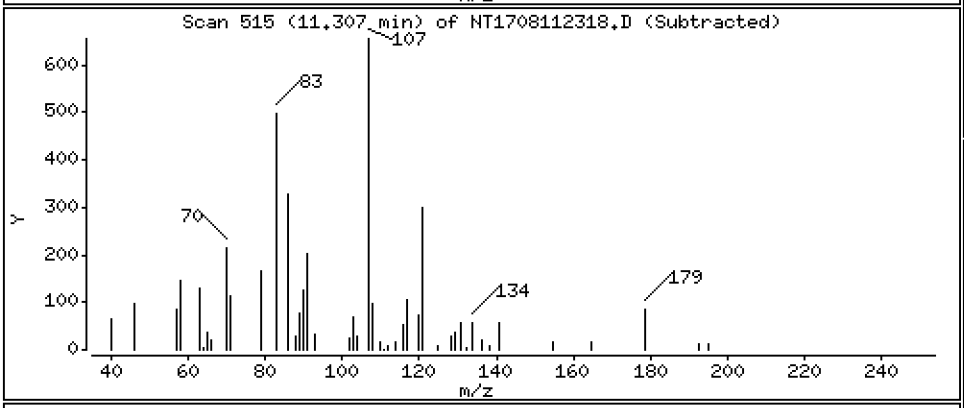
Column diameter: 0.25

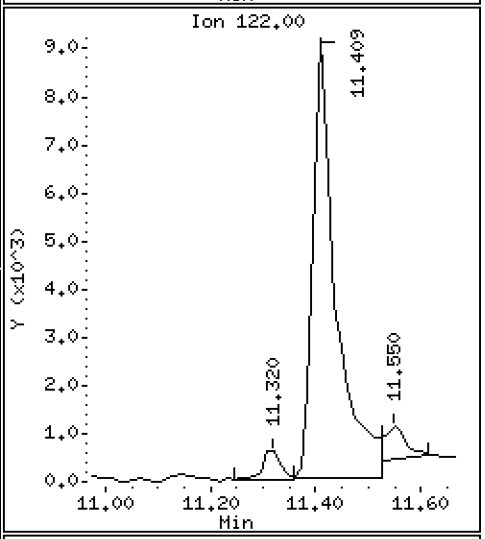
22 2,4-Dimethylphenol

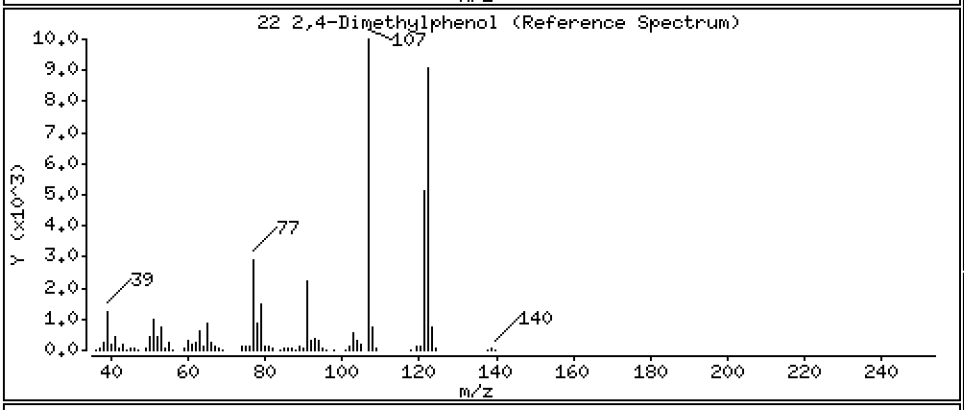
Concentration: 0.01253 ug/mL

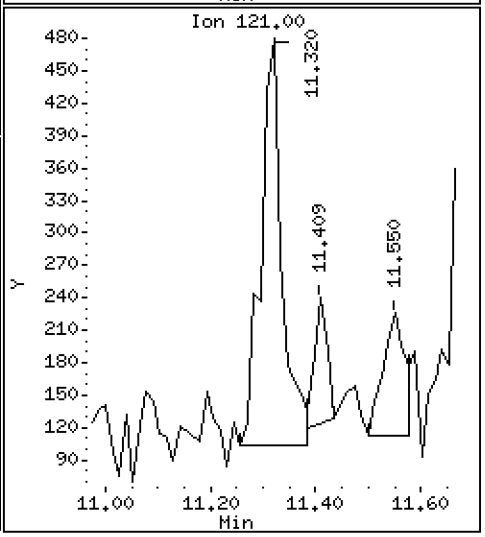


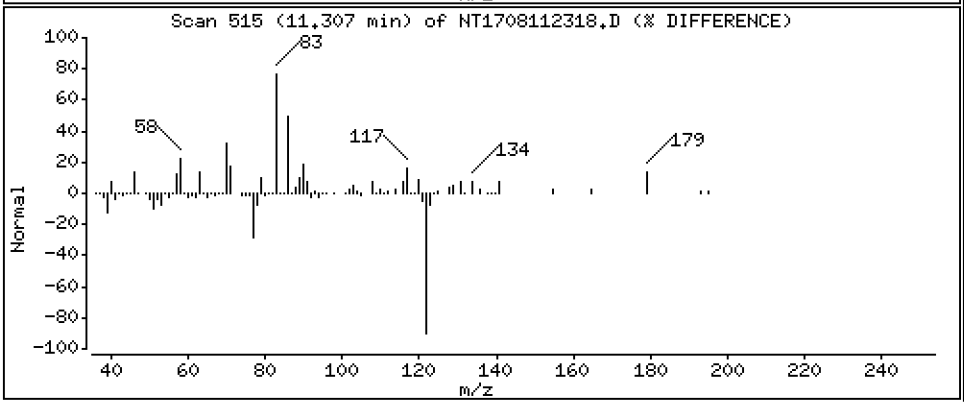












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Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

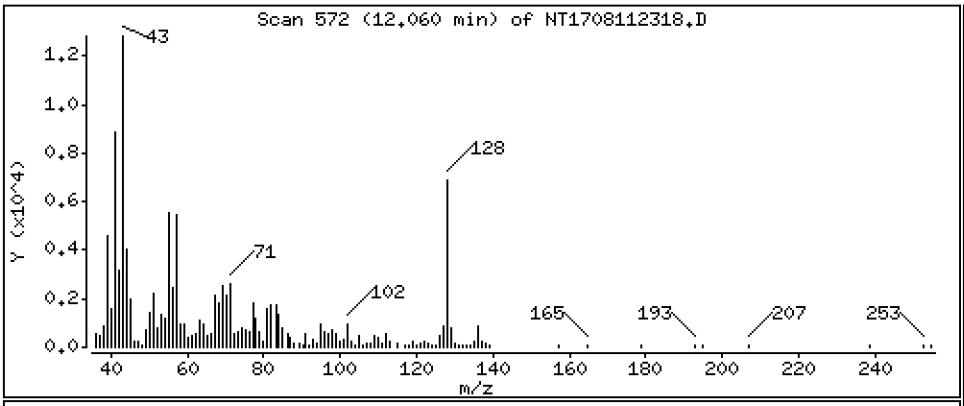
Operator: JGR

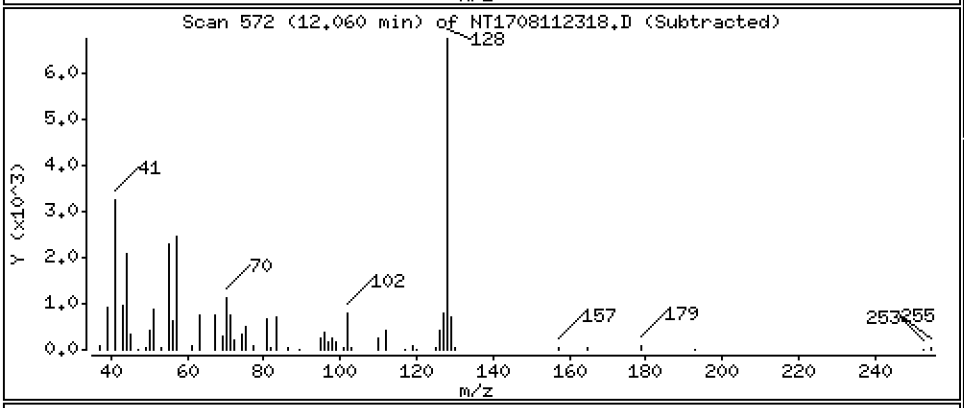
Column phase: ZB-5msi

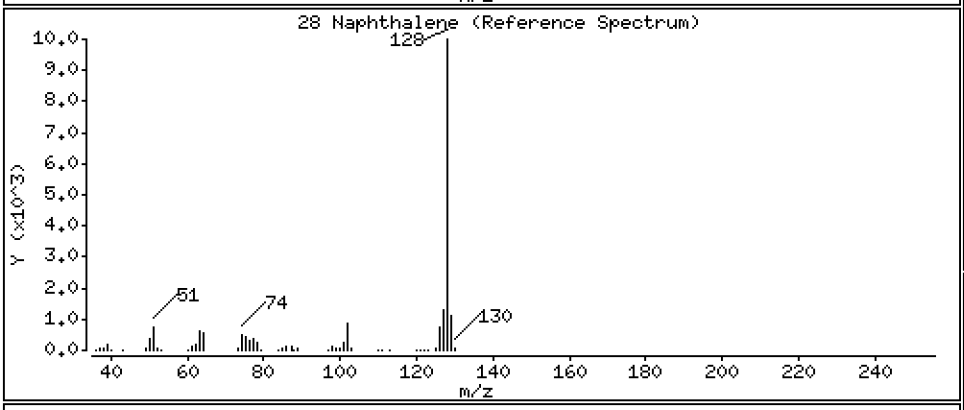
Column diameter: 0.25

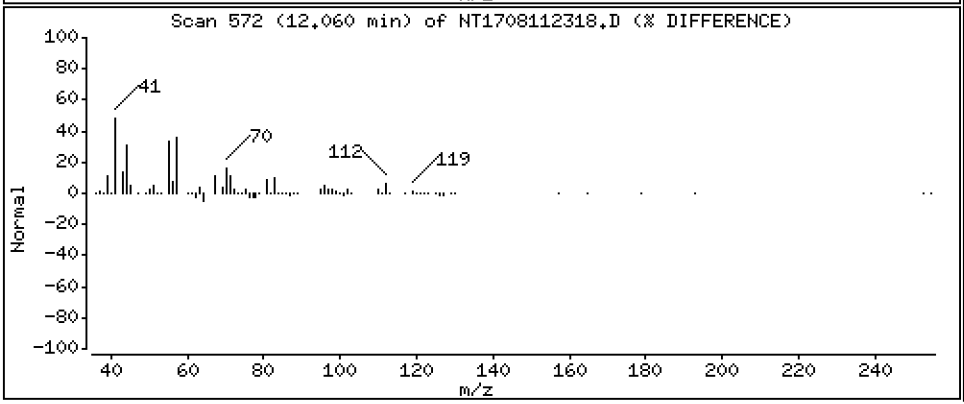
28 Naphthalene

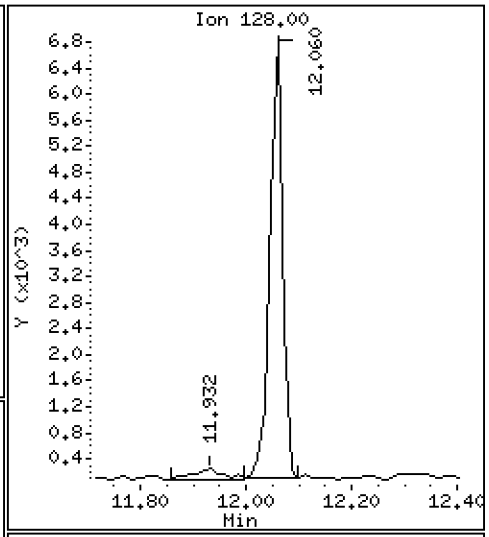
Concentration: 0.03762 ug/mL

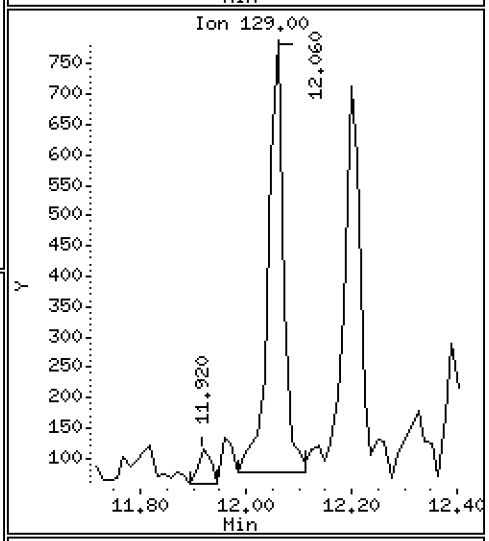


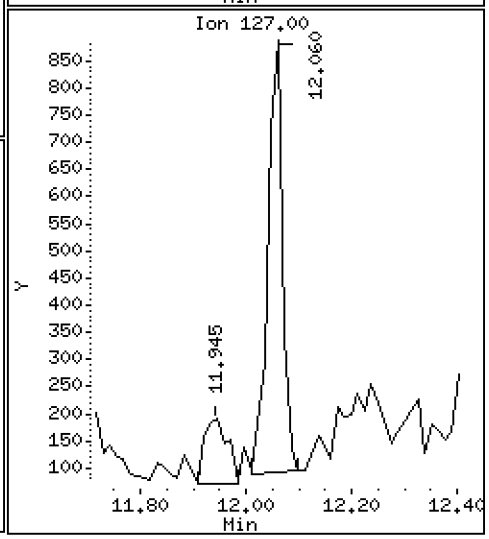












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

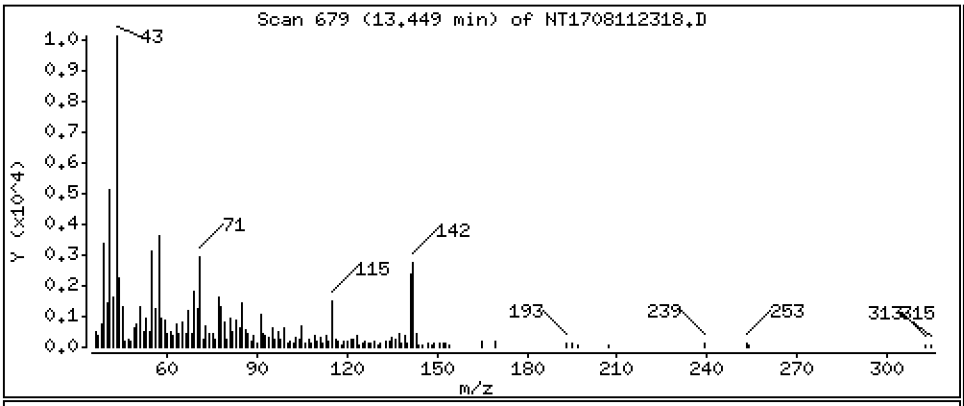
Operator: JGR

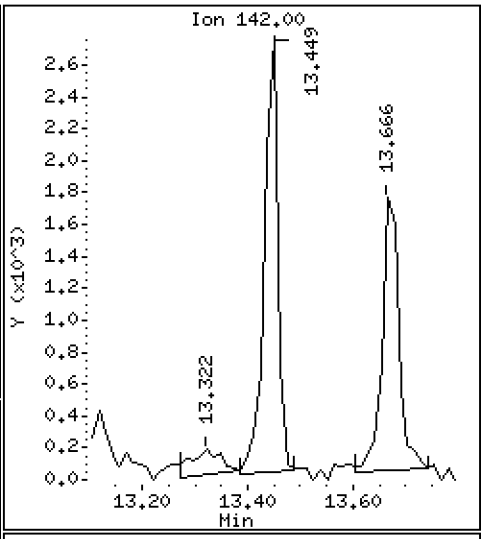
Column phase: ZB-5msi

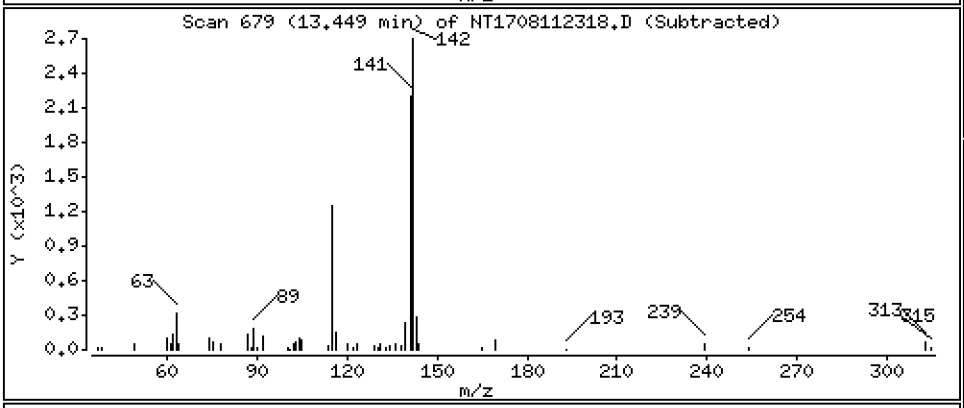
Column diameter: 0.25

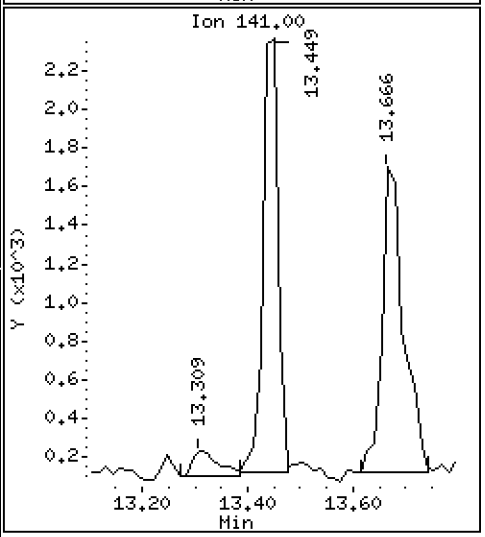
32 2-Methylnaphthalene

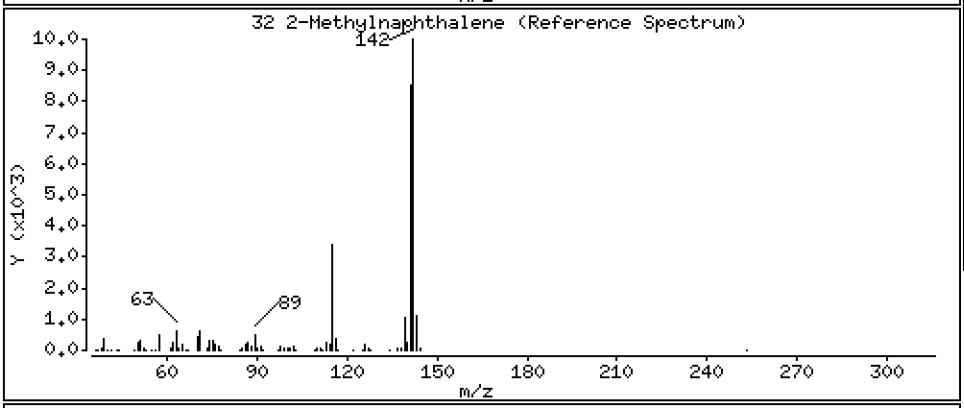
Concentration: 0.02315 ug/mL

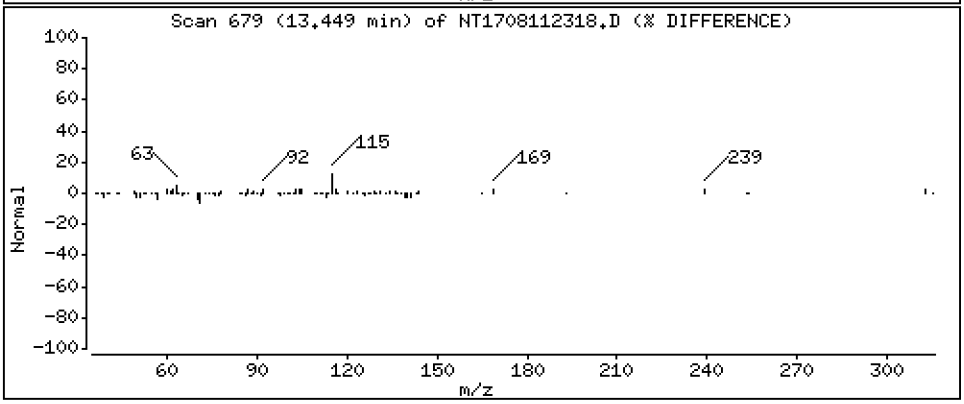












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

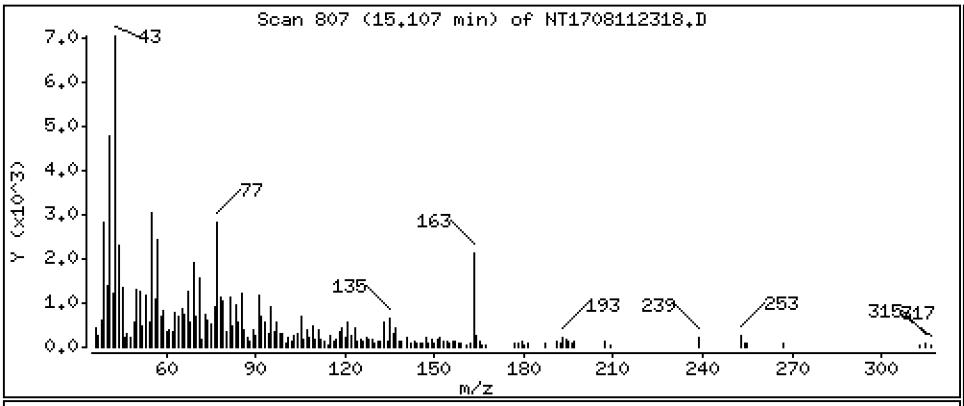
Operator: JGR

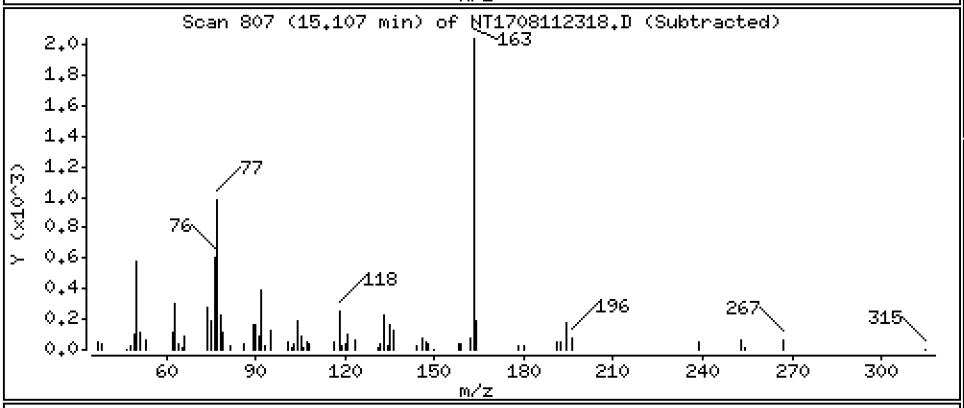
Column phase: ZB-5msi

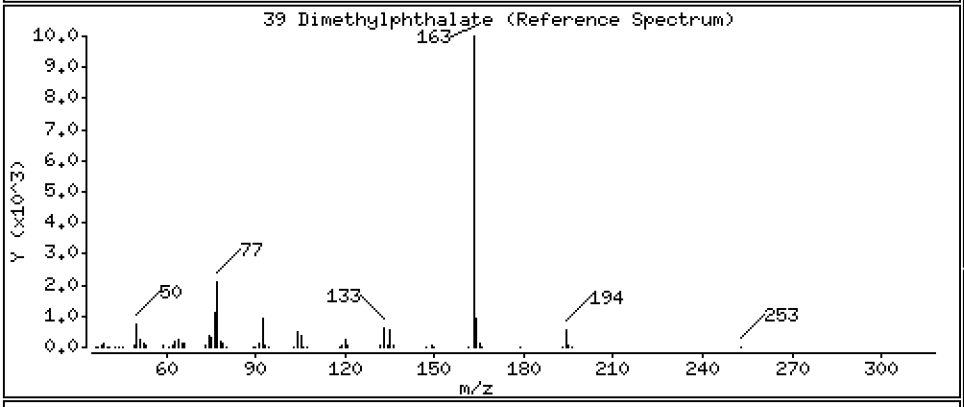
Column diameter: 0.25

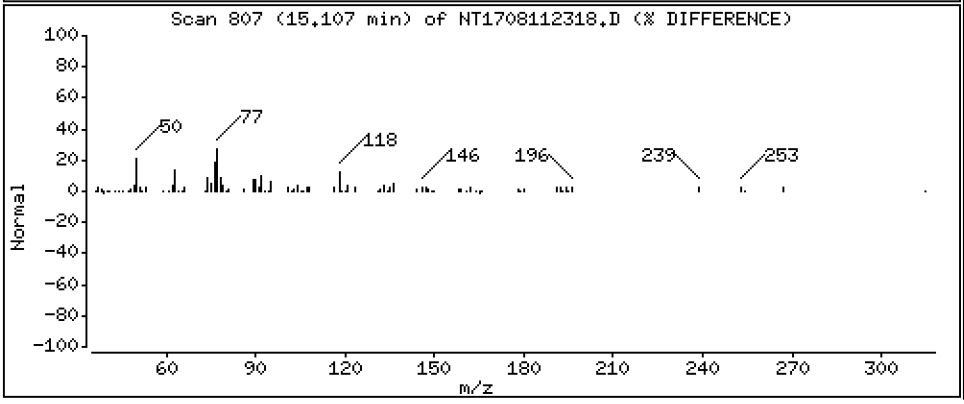
39 Dimethylphthalate

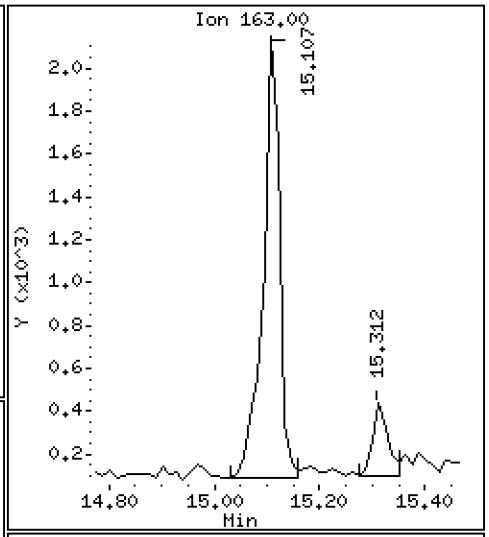
Concentration: 0.02593 ug/mL

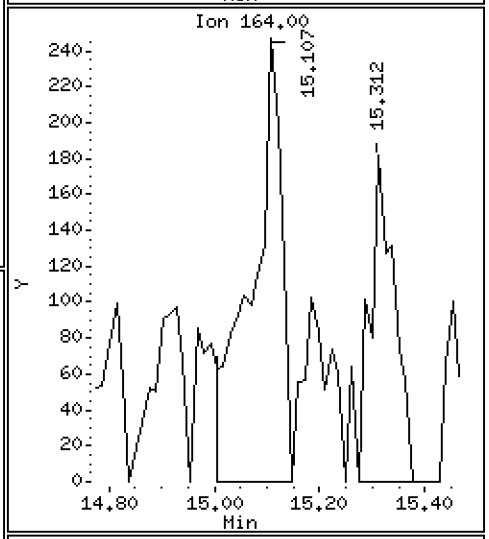


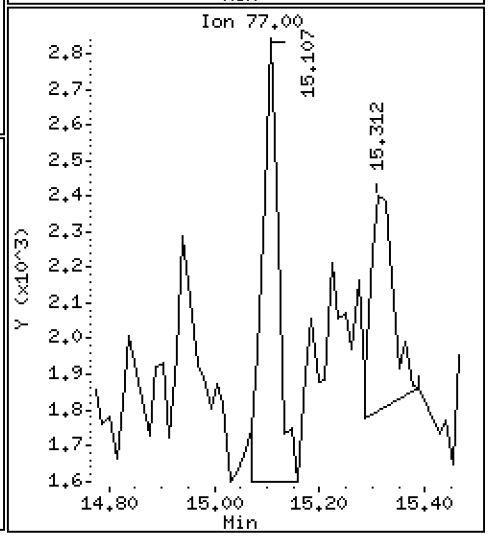












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

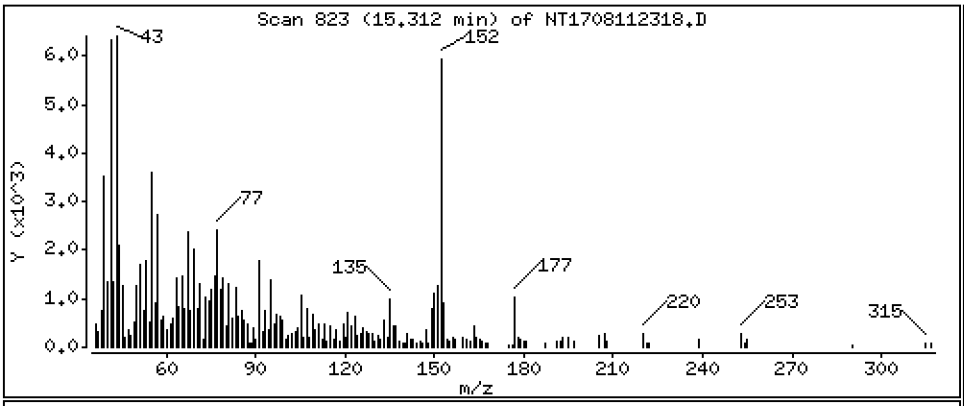
Operator: JGR

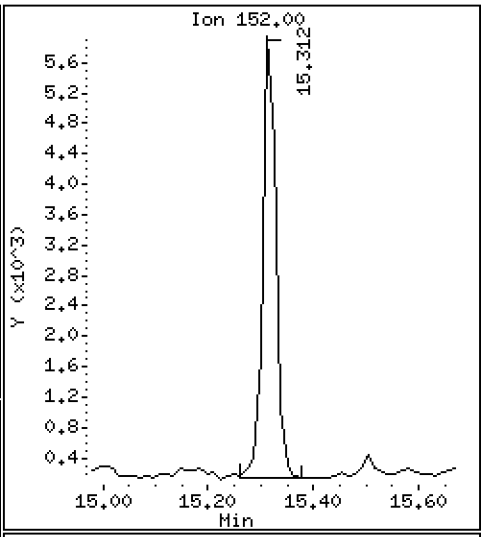
Column phase: ZB-5msi

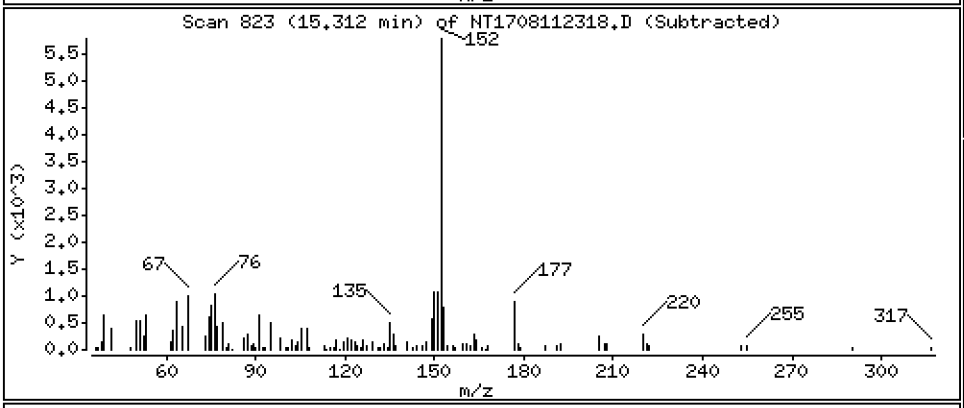
Column diameter: 0.25

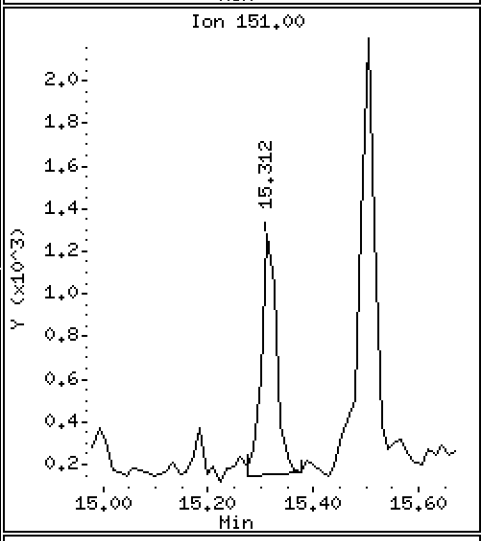
40 Acenaphthylene

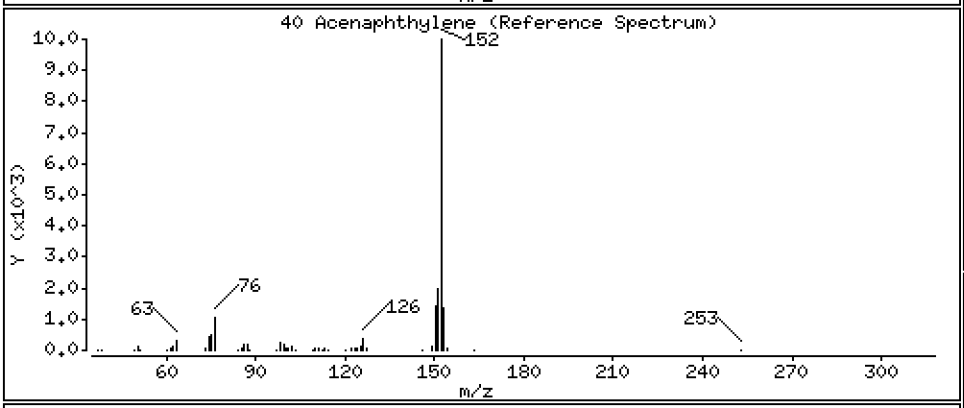
Concentration: 0.03959 ug/mL

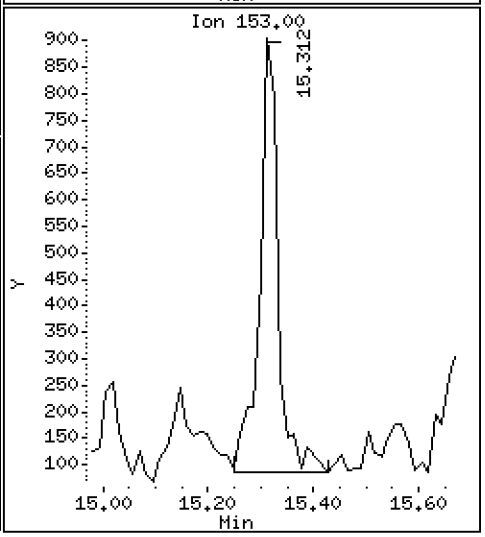


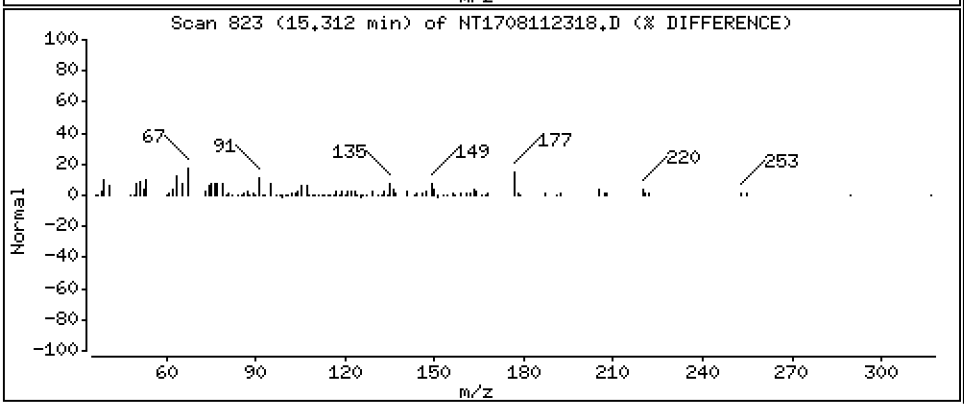












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

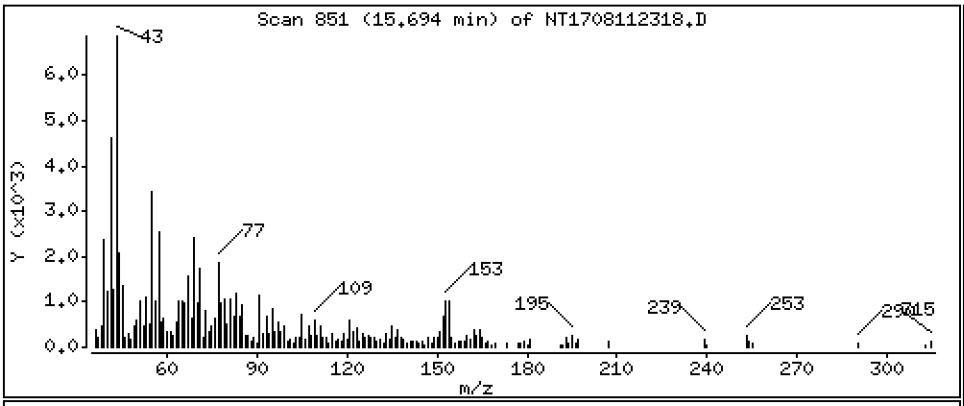
Operator: JGR

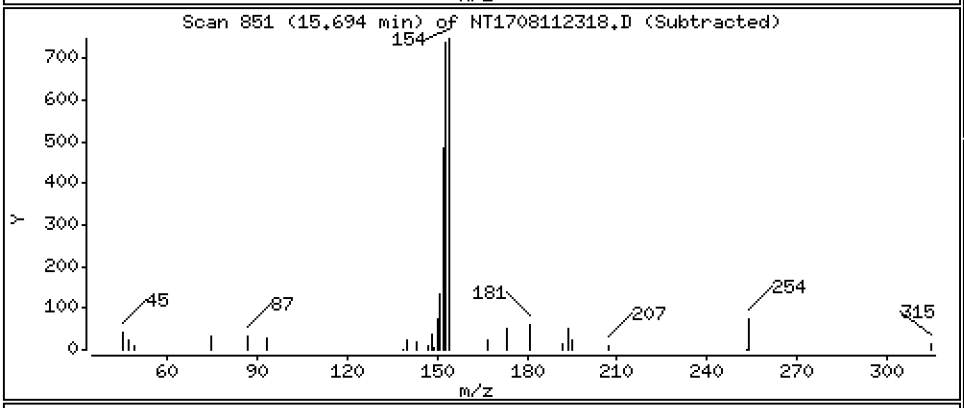
Column phase: ZB-5msi

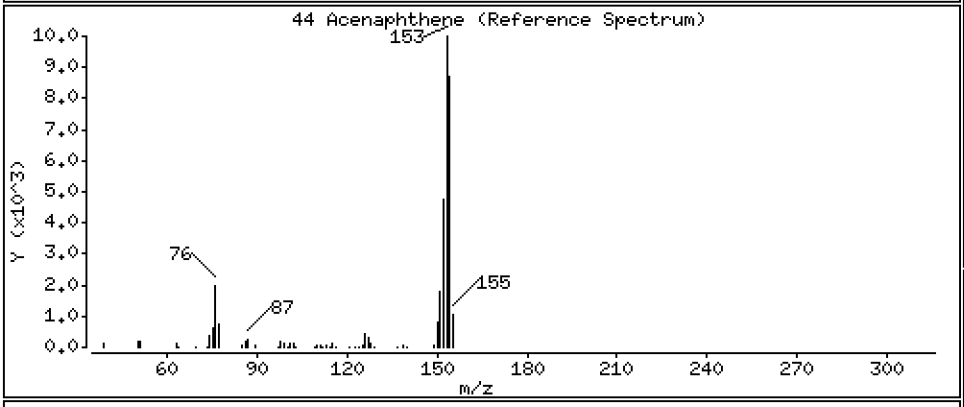
Column diameter: 0.25

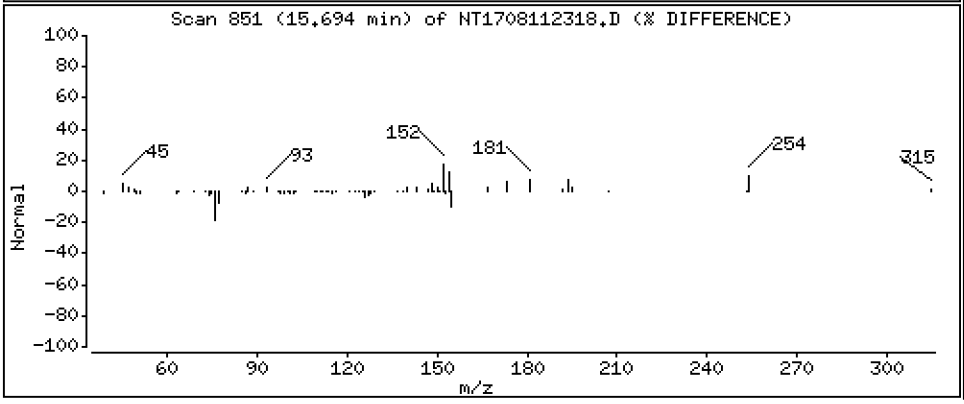
44 Acenaphthene

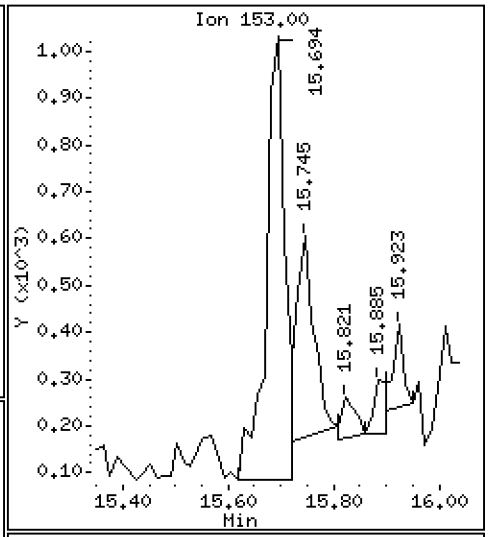
Concentration: 0.01489 ug/mL

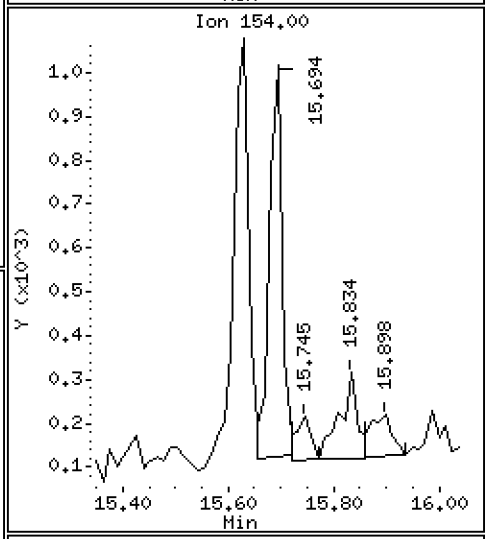


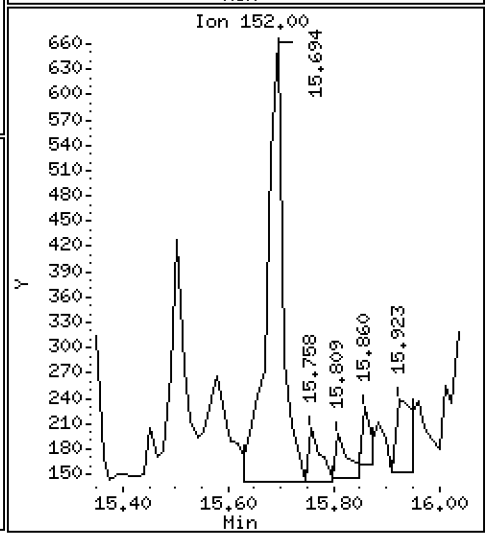












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

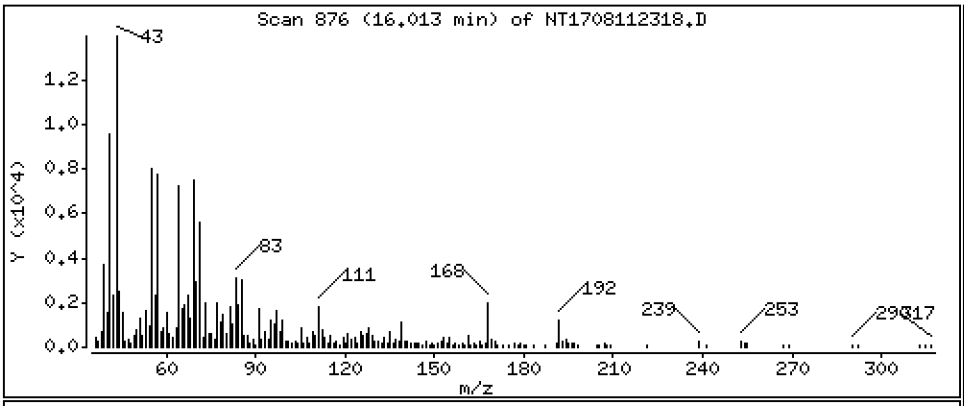
Operator: JGR

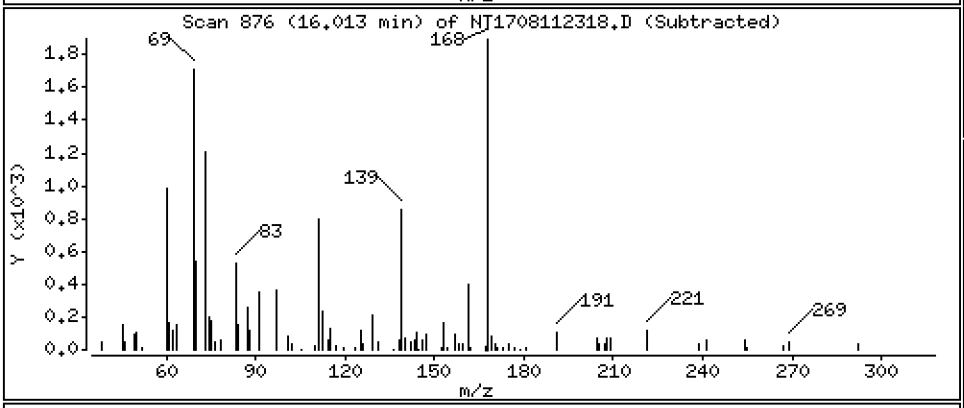
Column phase: ZB-5msi

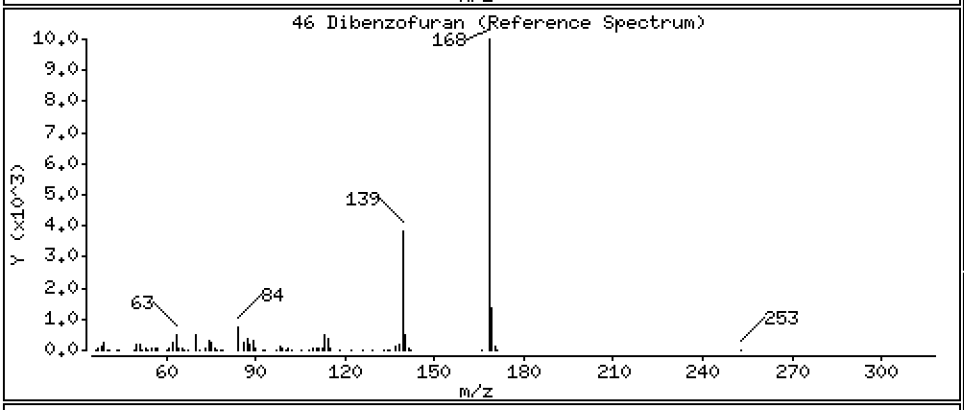
Column diameter: 0.25

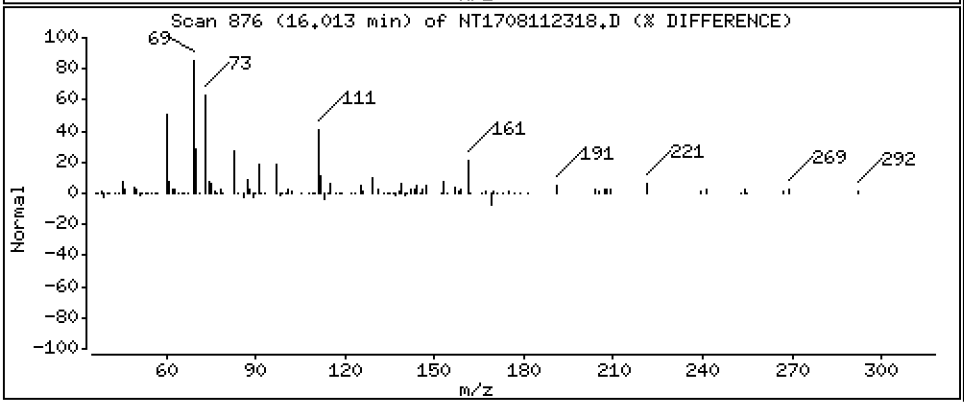
46 Dibenzofuran

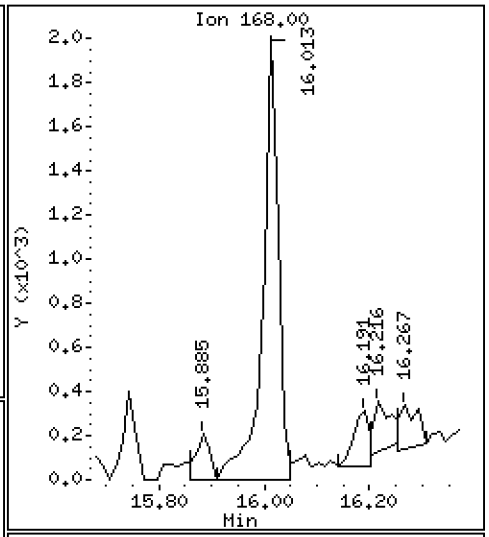
Concentration: 0.01889 ug/mL

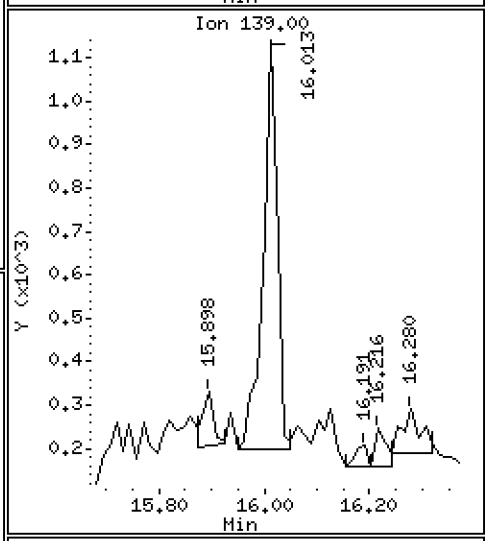


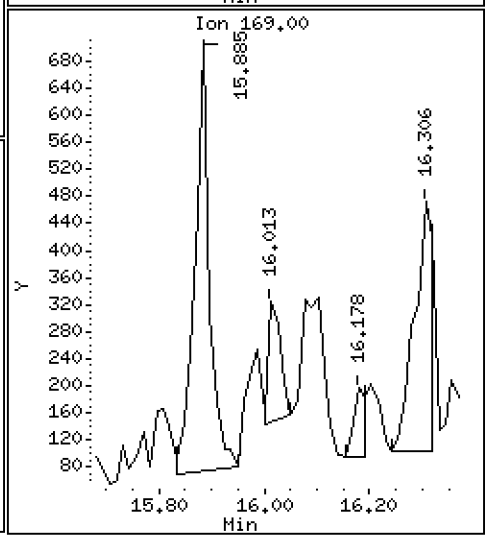












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

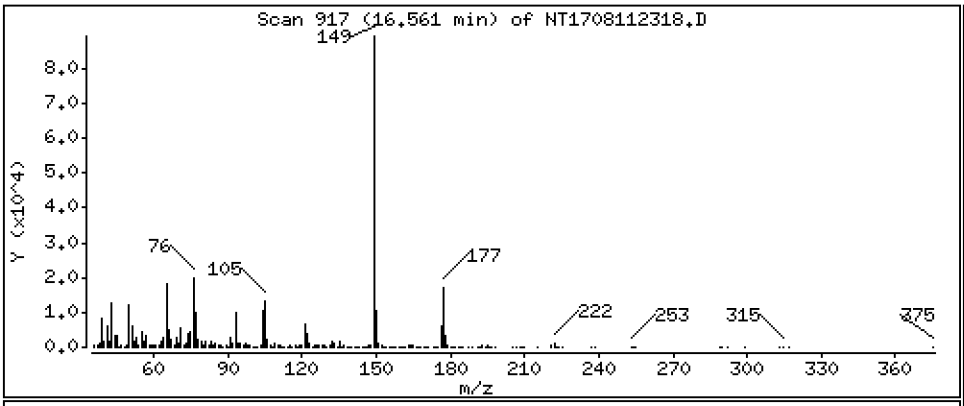
Operator: JGR

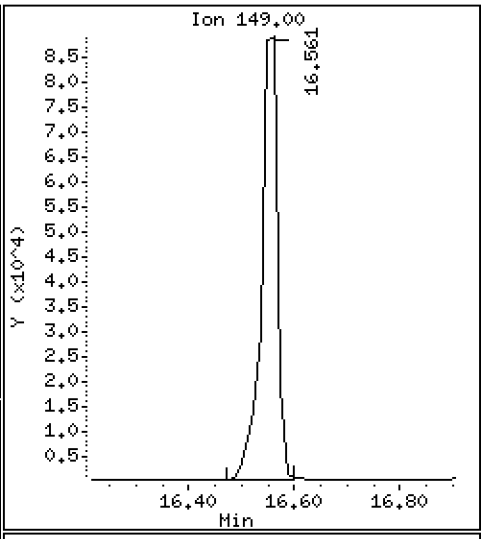
Column phase: ZB-5msi

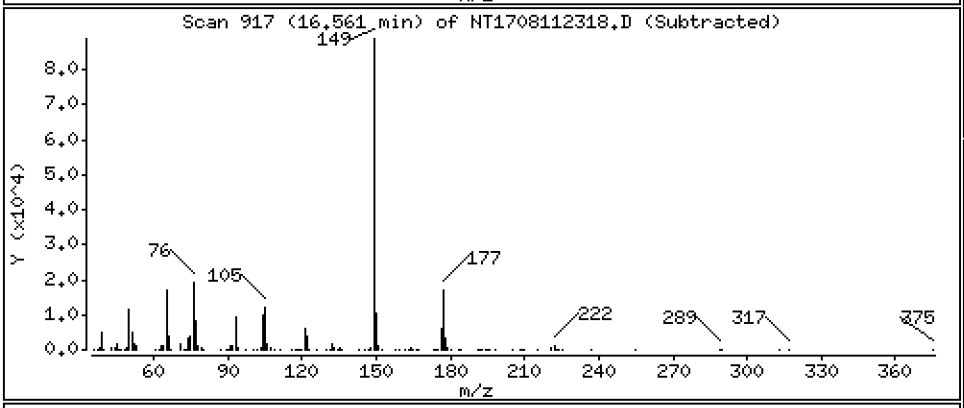
Column diameter: 0.25

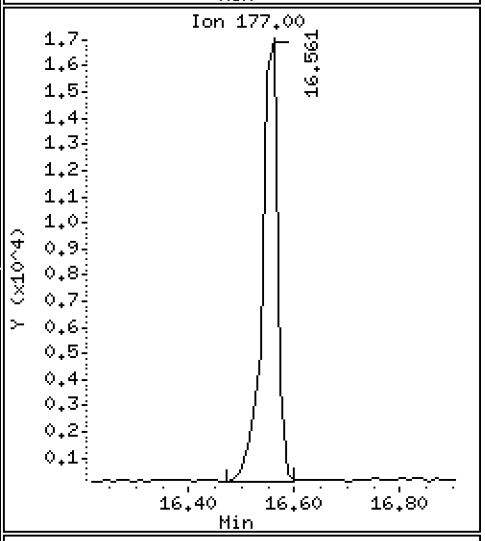
50 Diethylphthalate

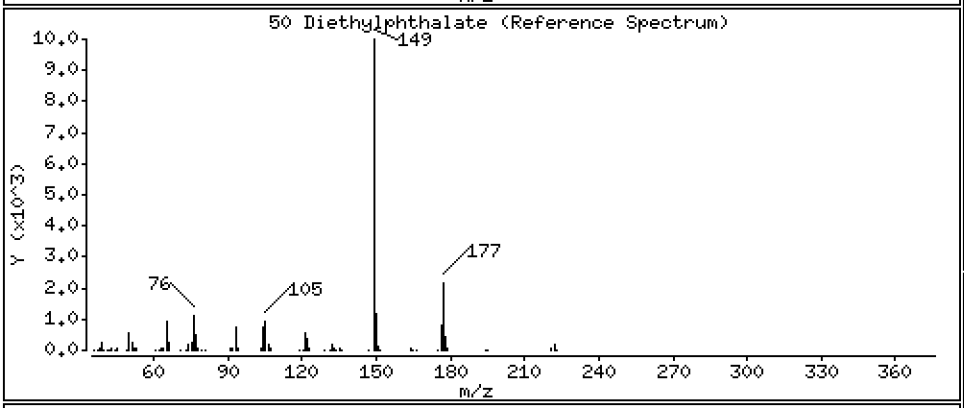
Concentration: 0.8550 ug/mL

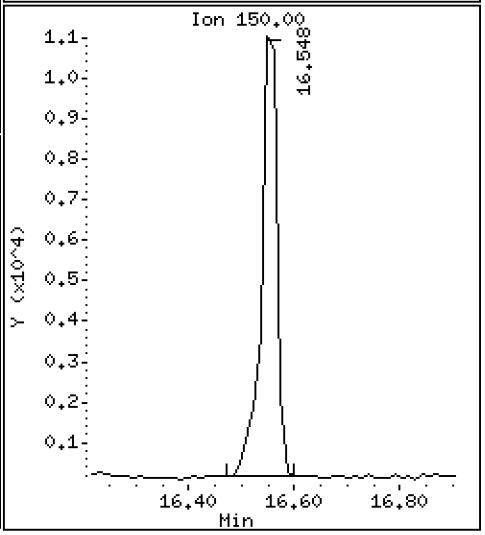


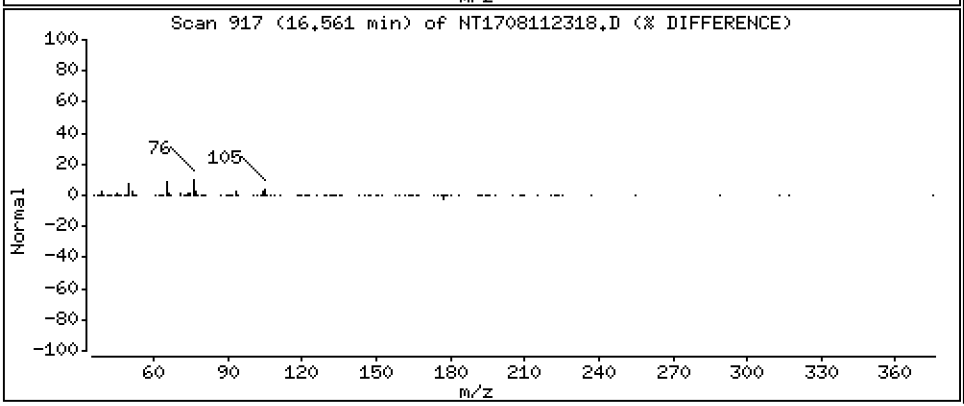












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

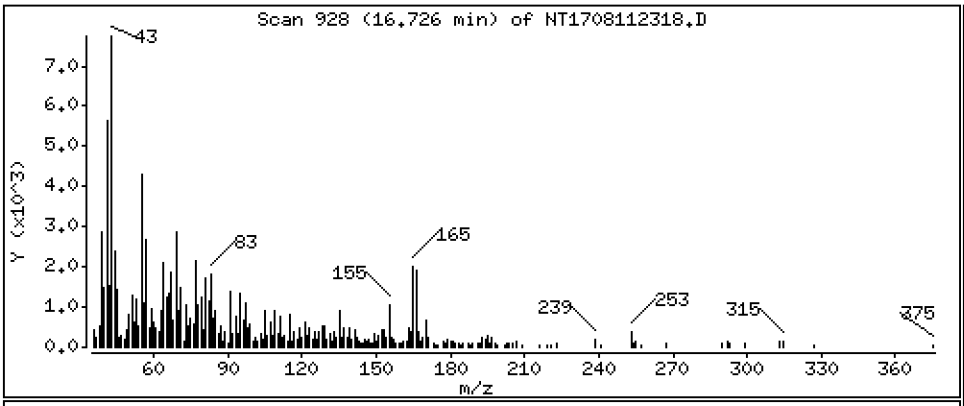
Operator: JGR

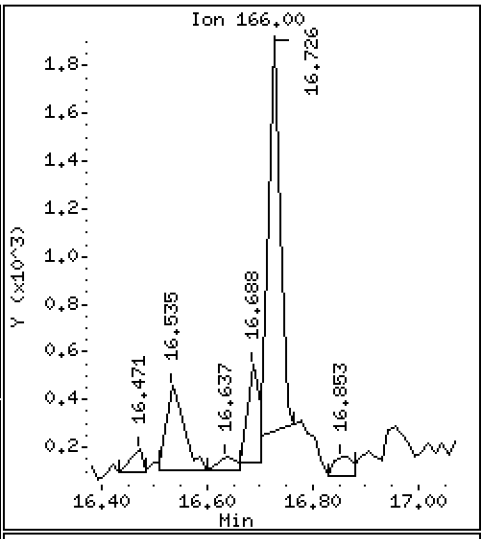
Column phase: ZB-5msi

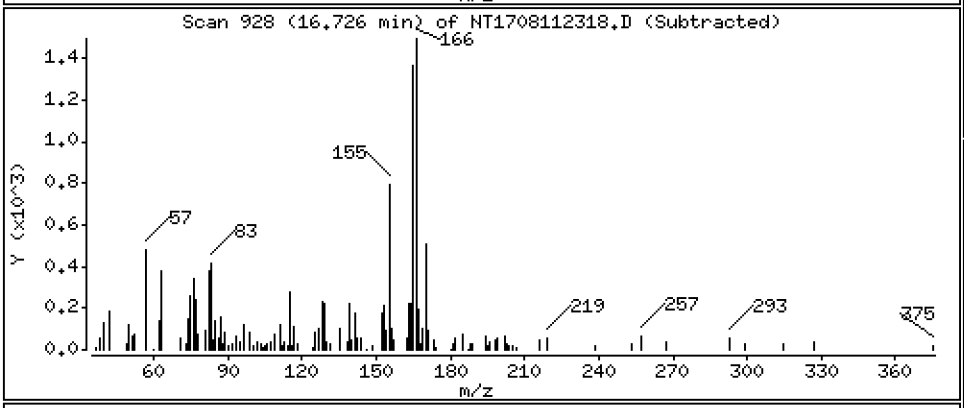
Column diameter: 0.25

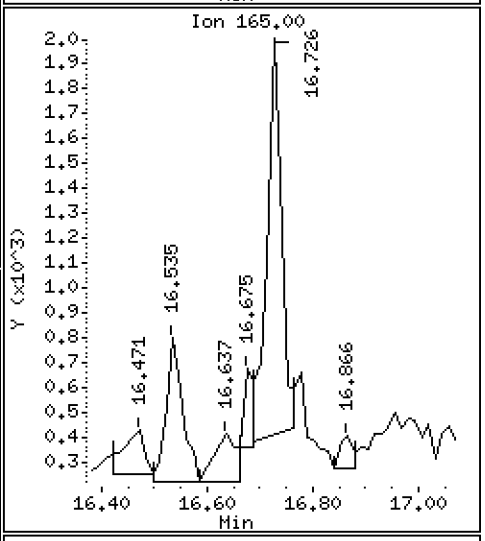
49 Fluorene

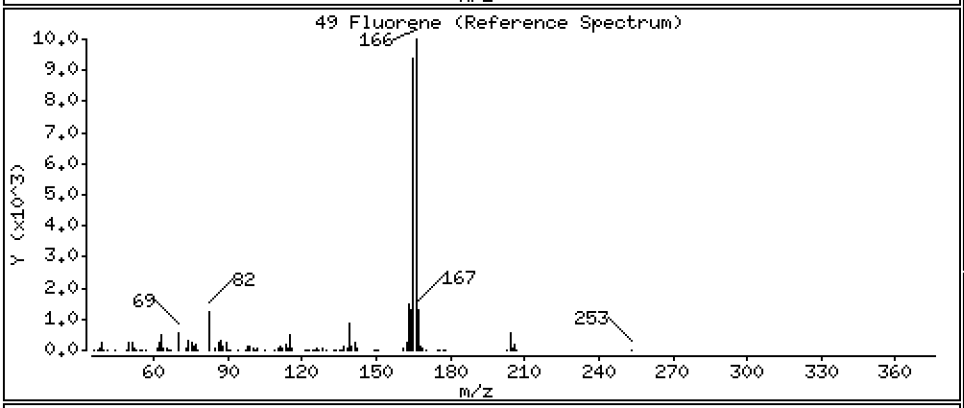
Concentration: 0.01486 ug/mL

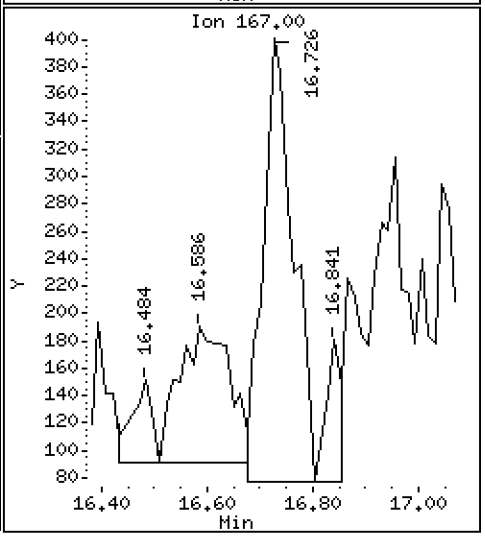


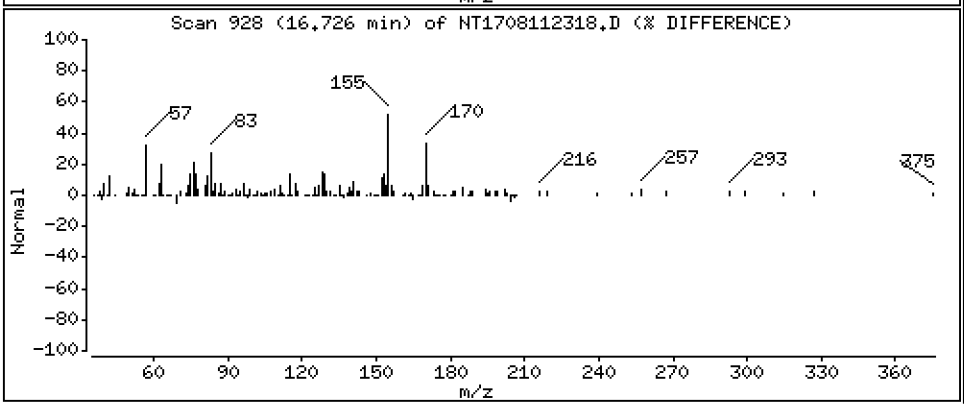












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

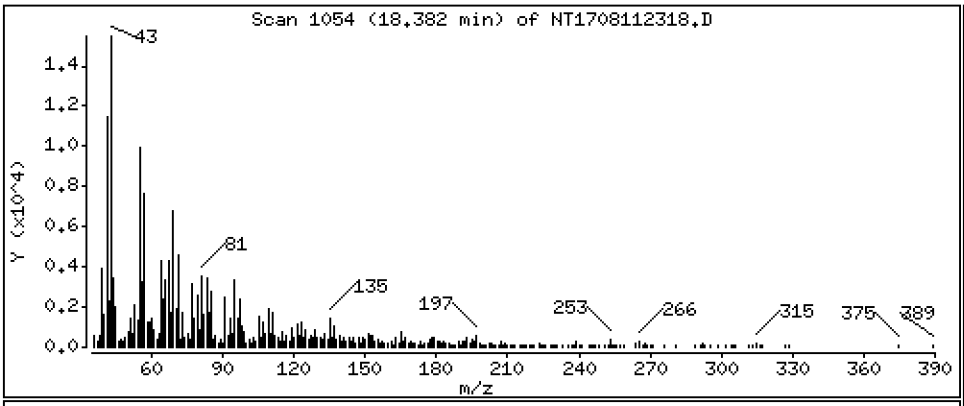
Operator: JGR

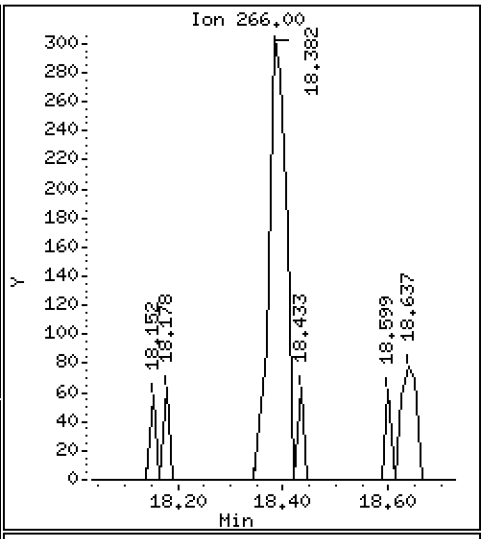
Column phase: ZB-5msi

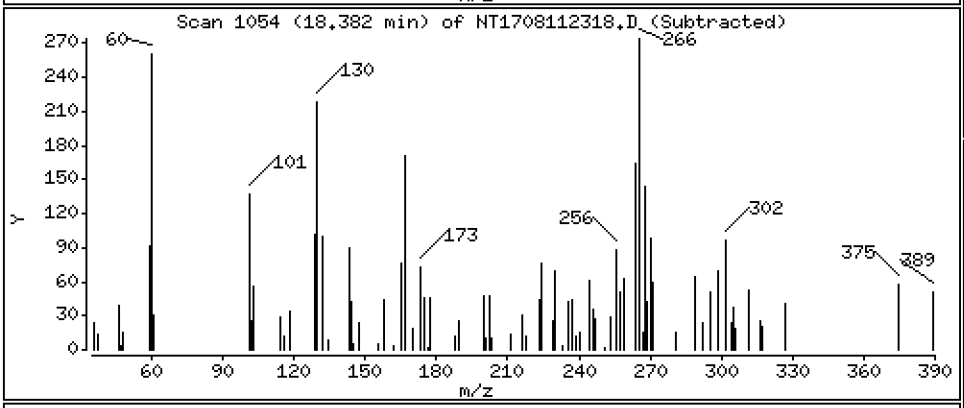
Column diameter: 0.25

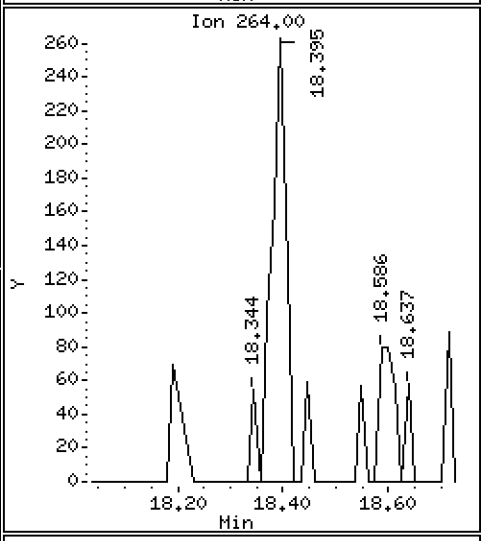
58 Pentachlorophenol

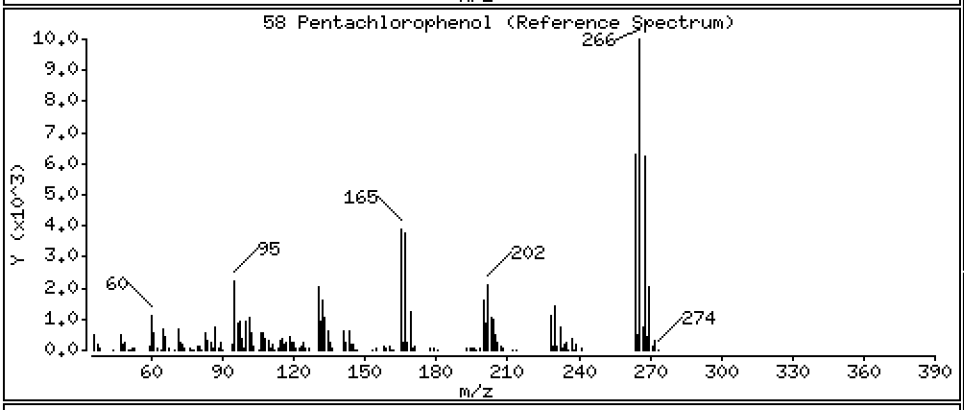
Concentration: 0.03265 ug/mL

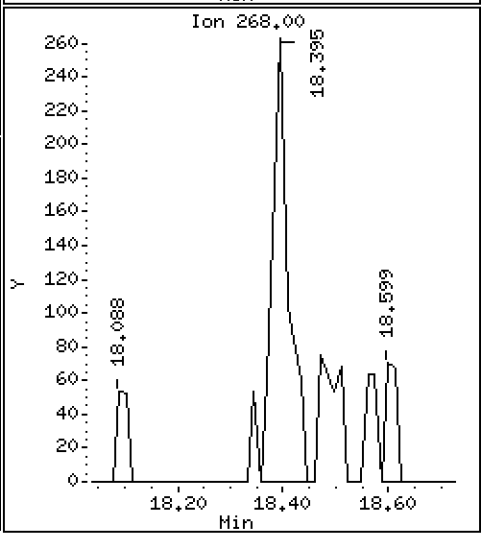


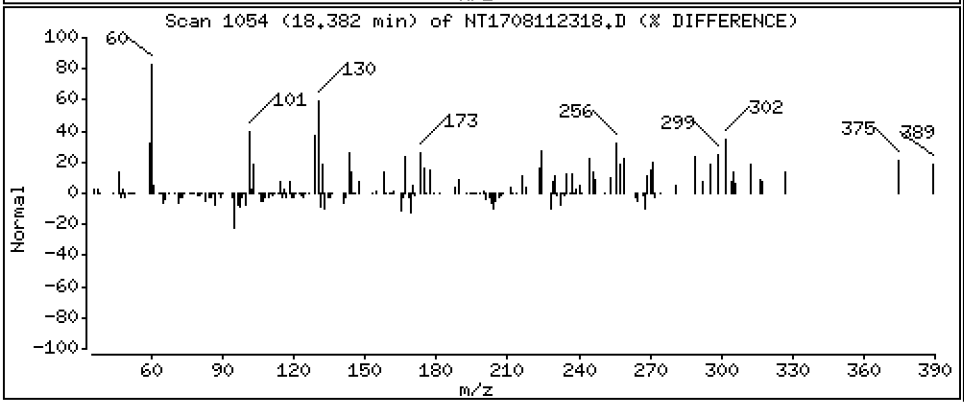












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

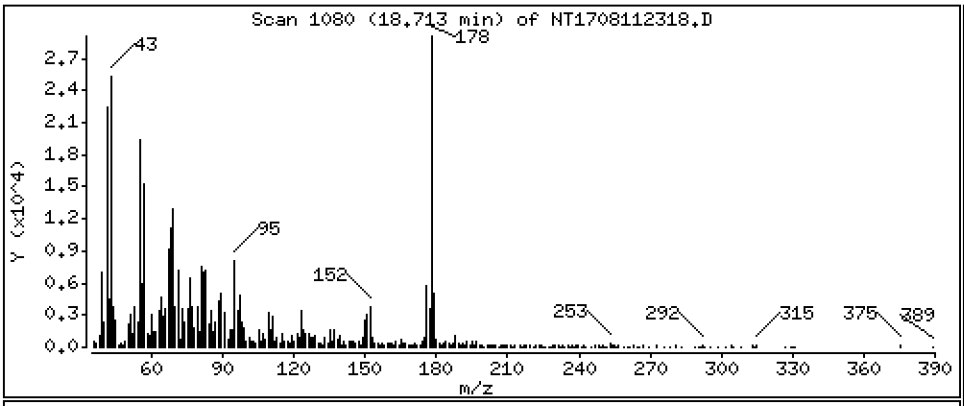
Operator: JGR

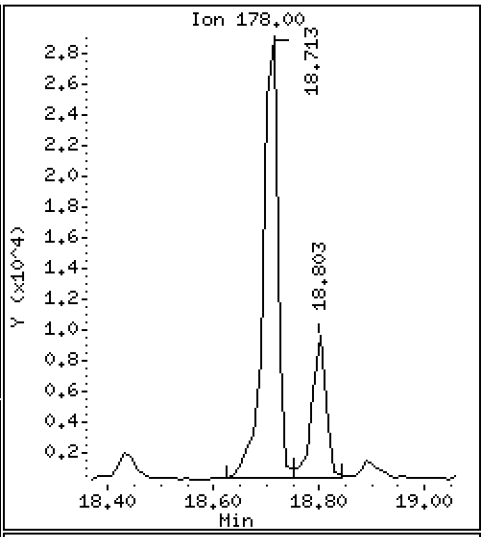
Column phase: ZB-5msi

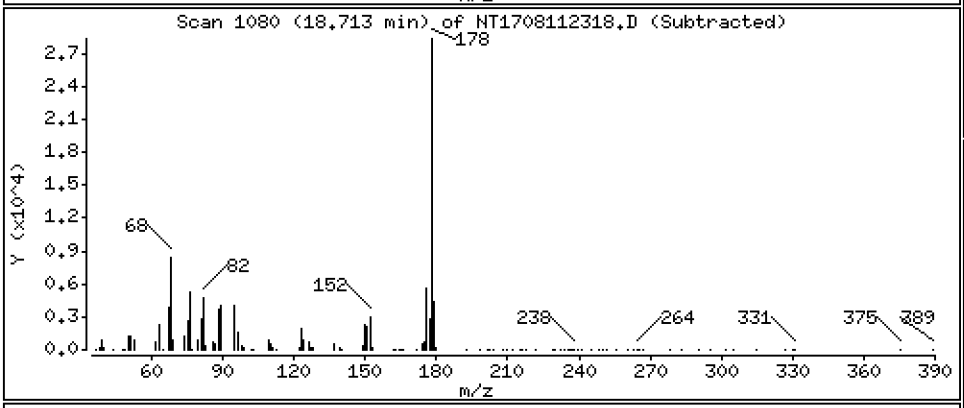
Column diameter: 0.25

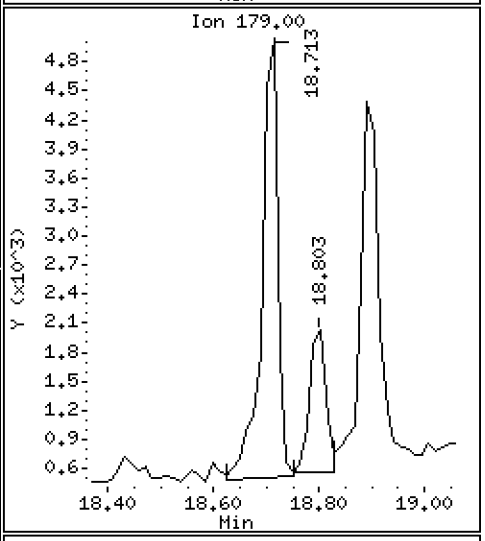
60 Phenanthrene

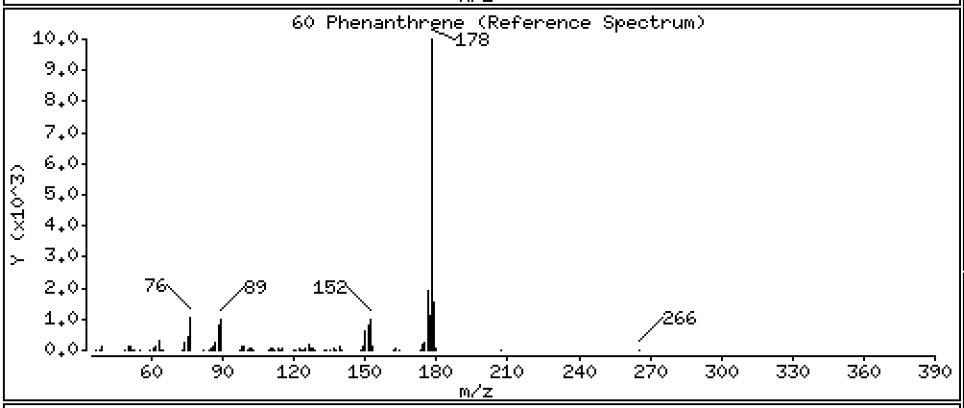
Concentration: 0.2514 ug/mL

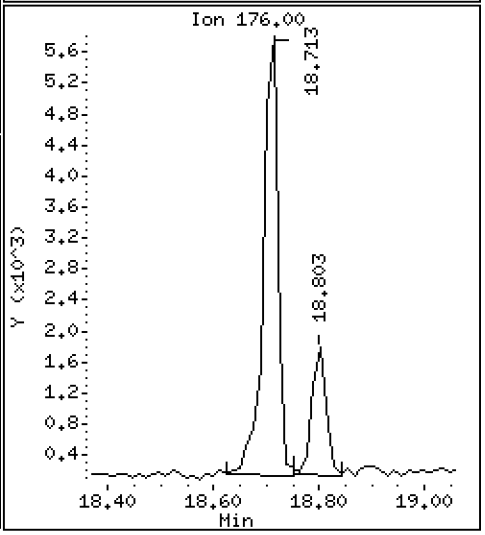


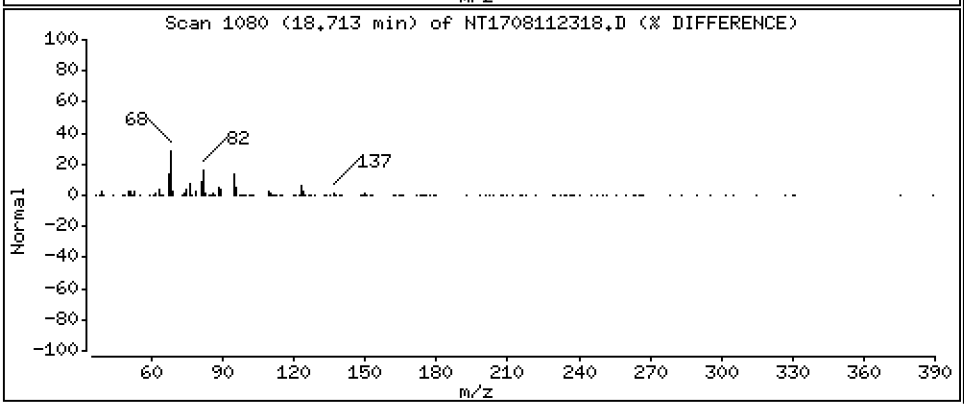












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

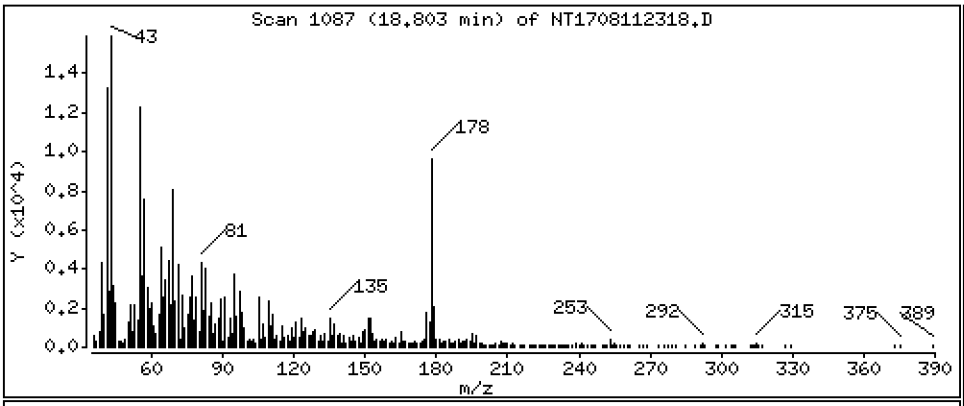
Operator: JGR

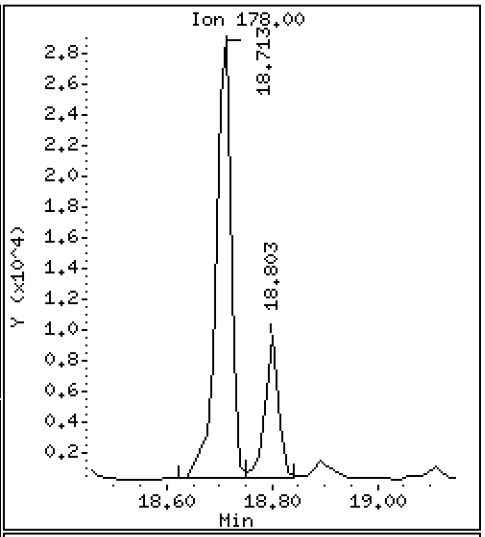
Column phase: ZB-5msi

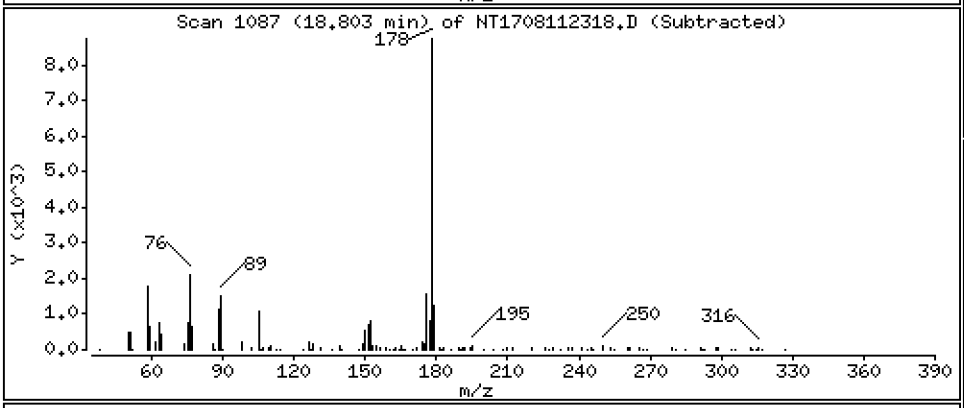
Column diameter: 0.25

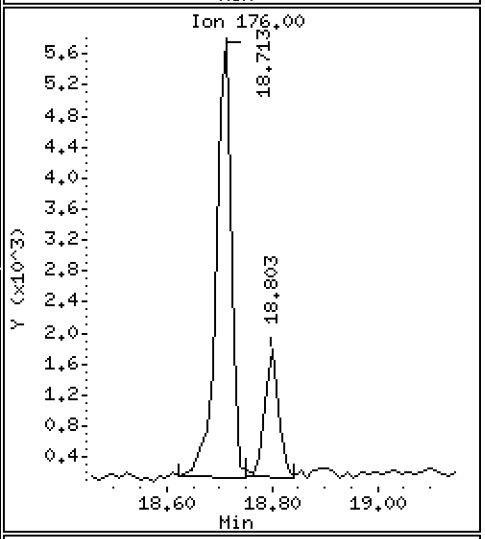
61 Anthracene

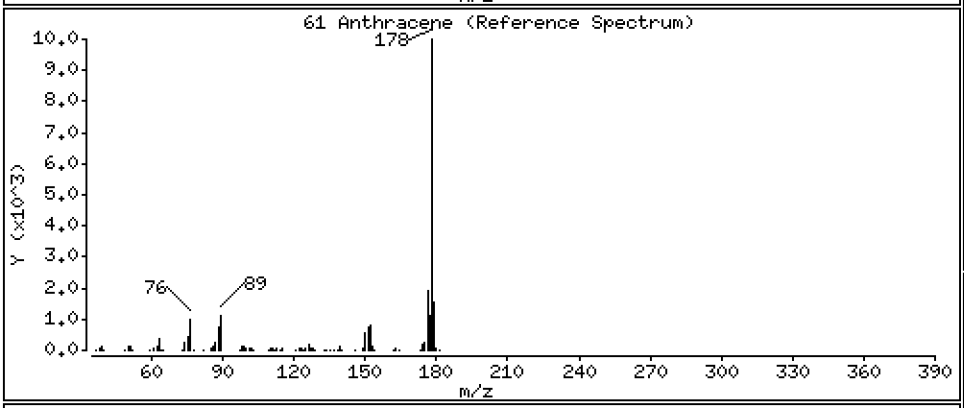
Concentration: 0.08008 ug/mL

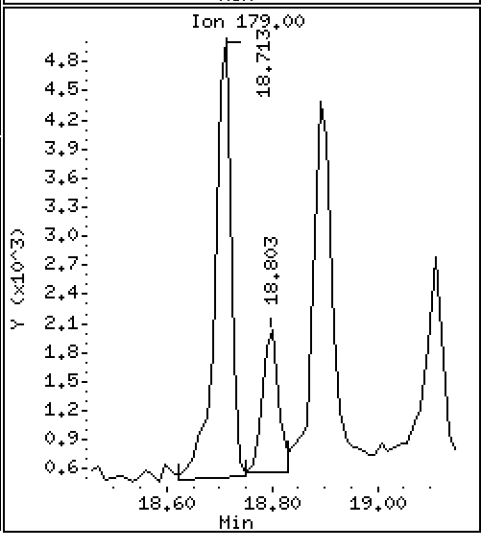


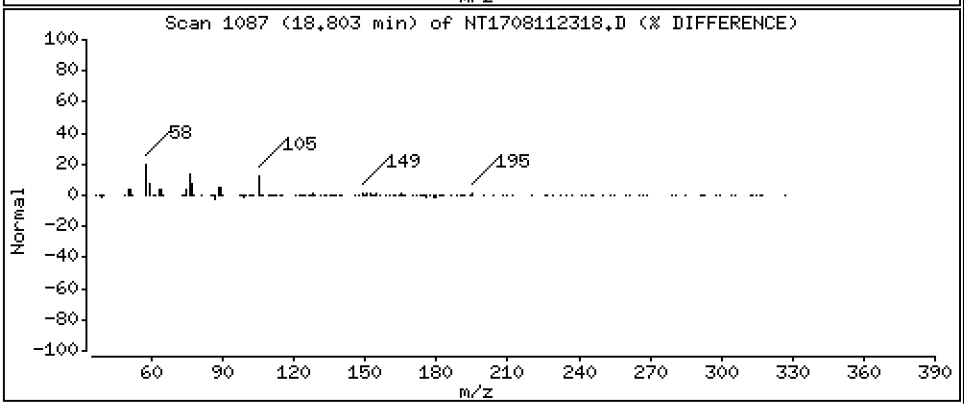












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

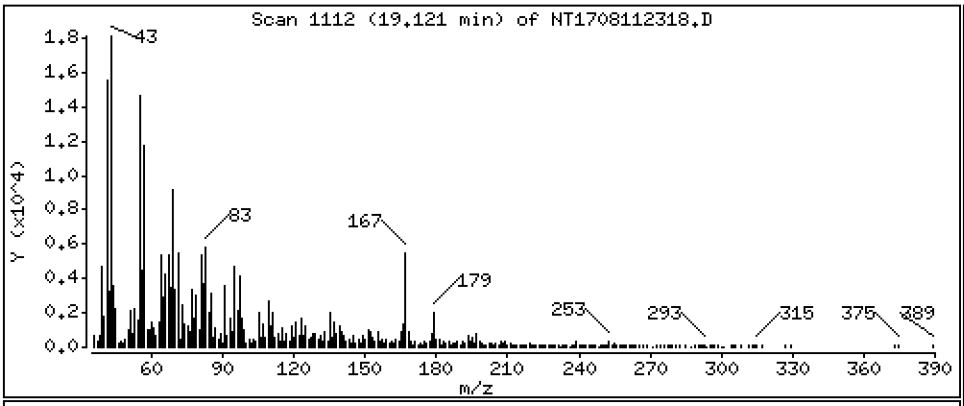
Operator: JGR

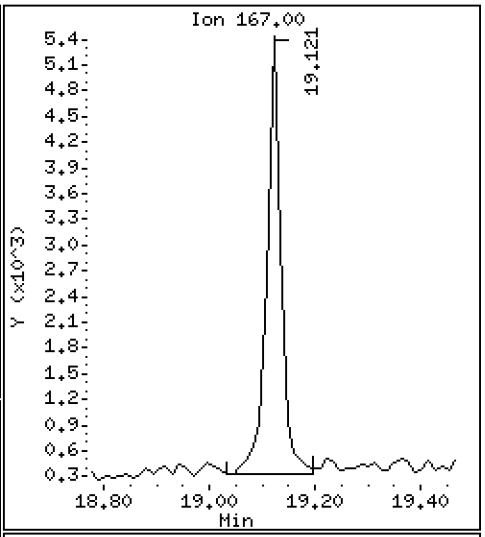
Column phase: ZB-5msi

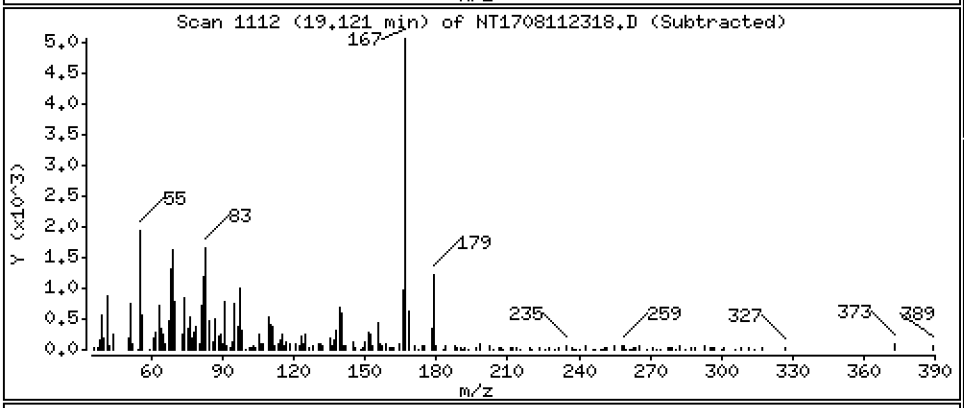
Column diameter: 0.25

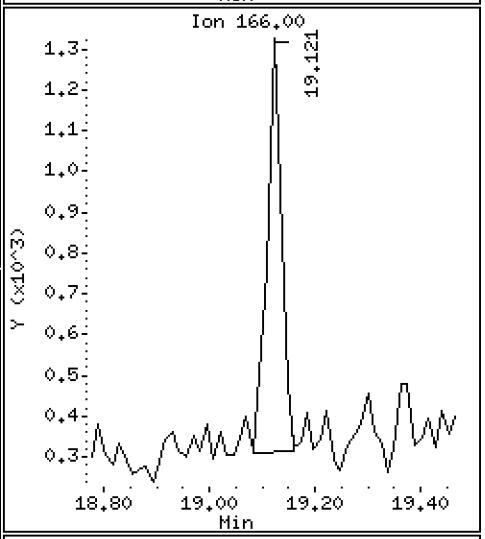
62 Carbazole

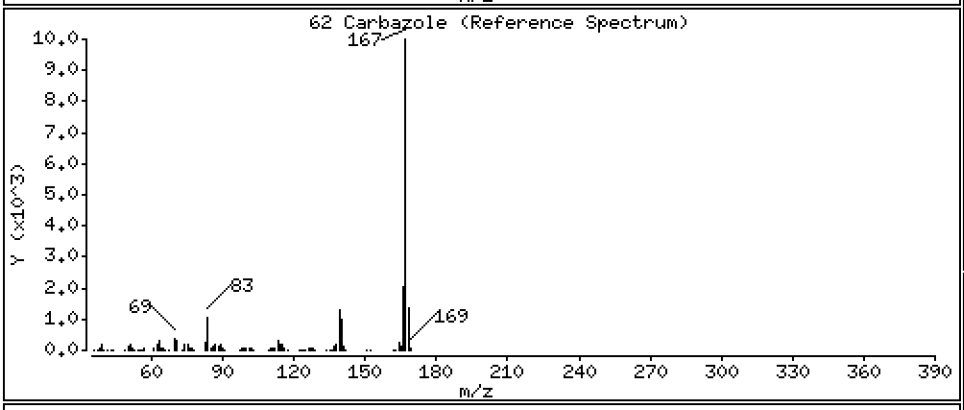
Concentration: 0.04770 ug/mL

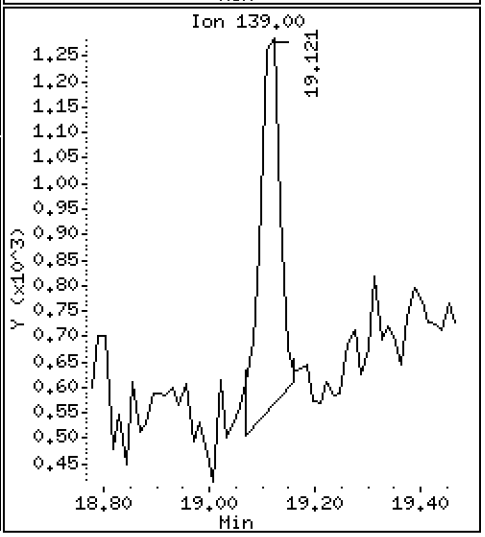


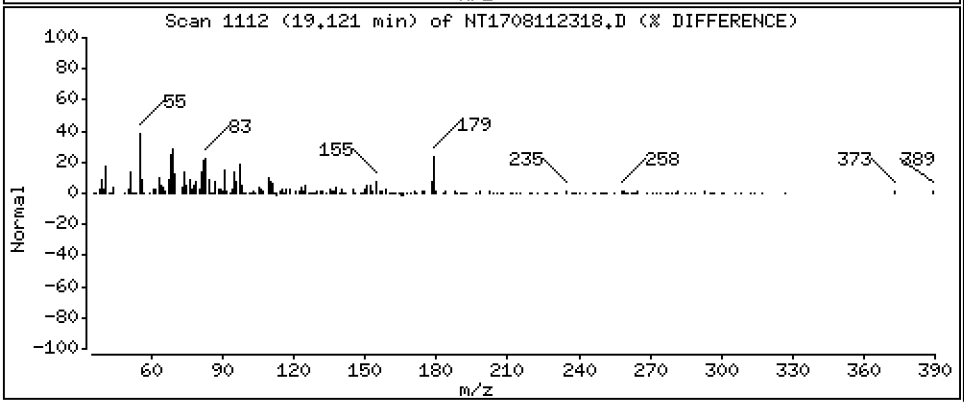












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

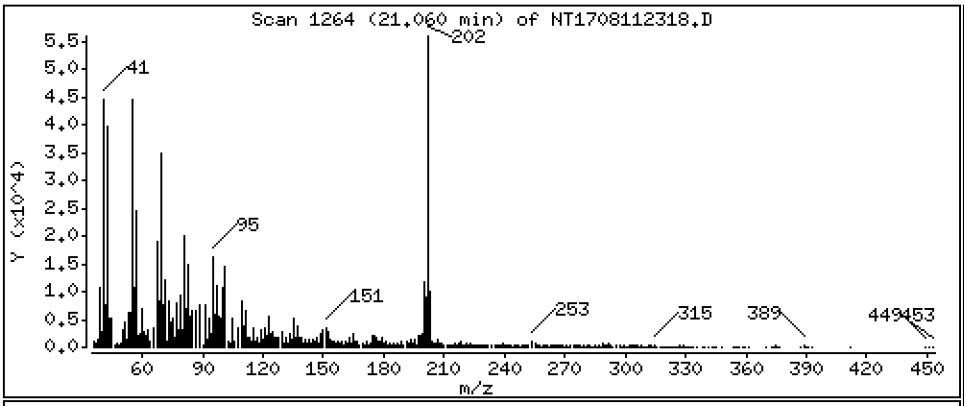
Operator: JGR

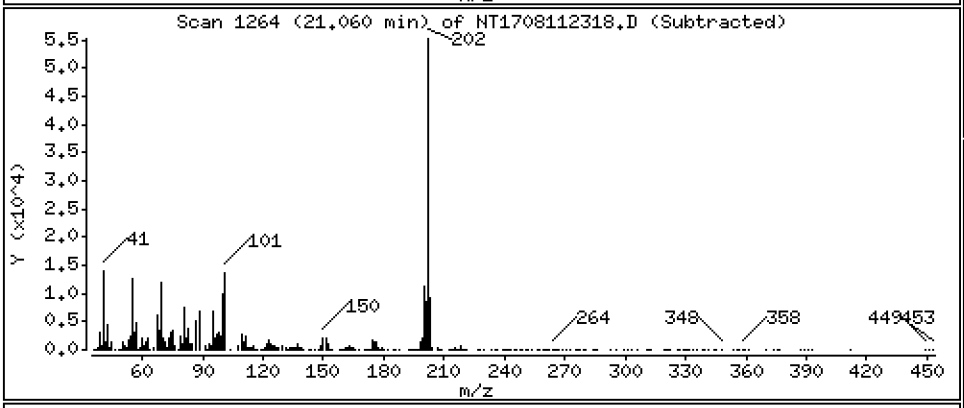
Column phase: ZB-5msi

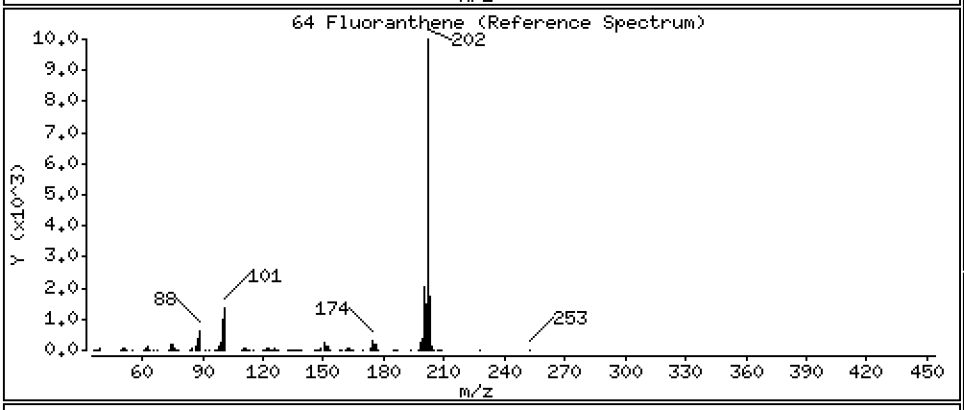
Column diameter: 0.25

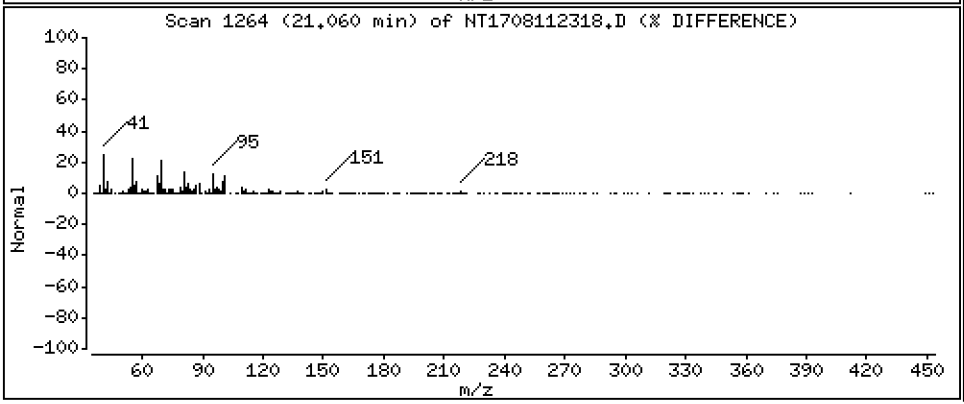
64 Fluoranthene

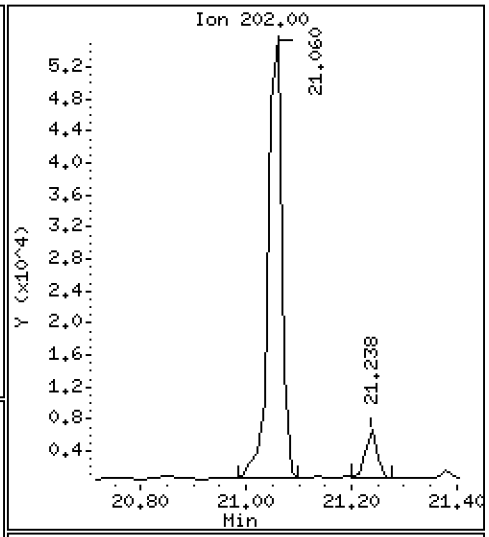
Concentration: 0.4948 ug/mL

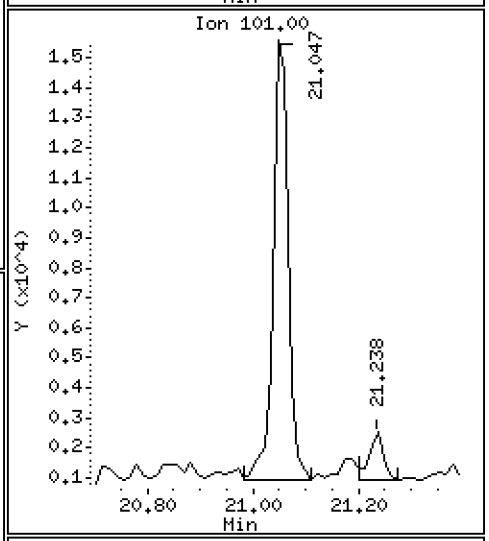


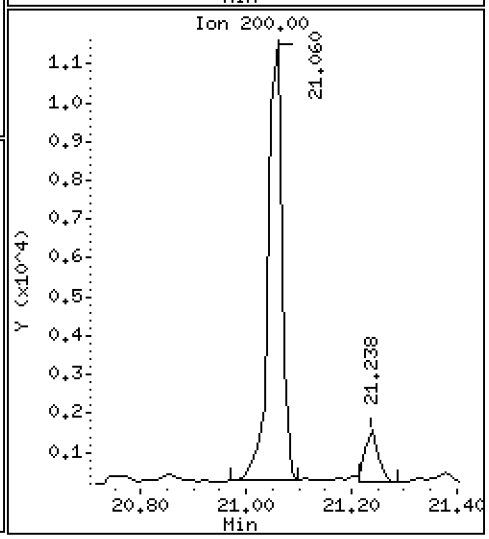












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

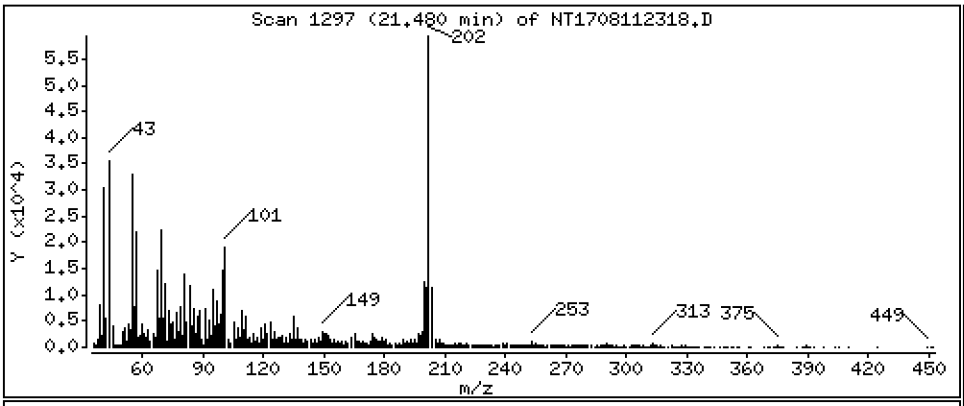
Operator: JGR

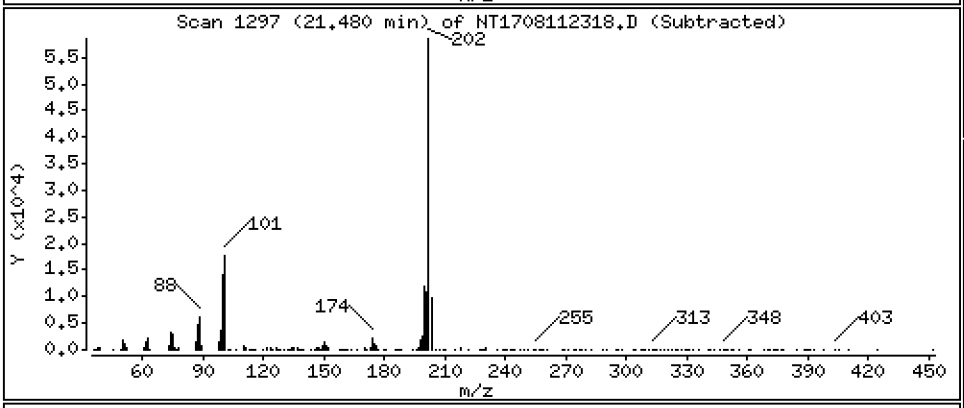
Column phase: ZB-5msi

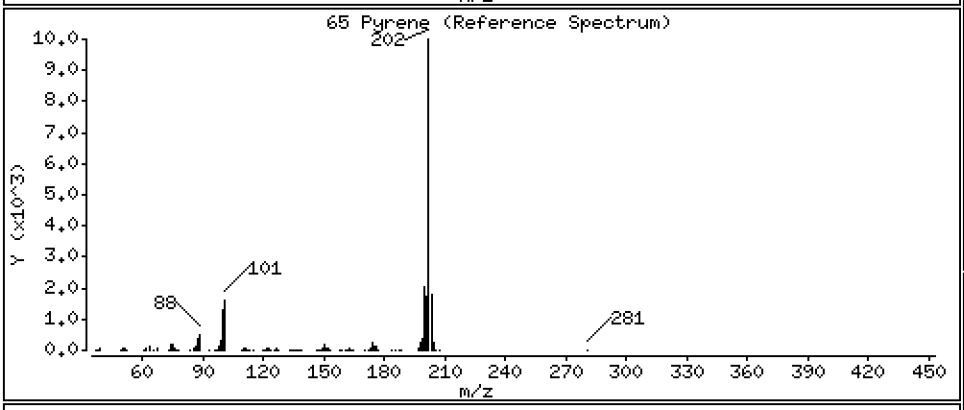
Column diameter: 0.25

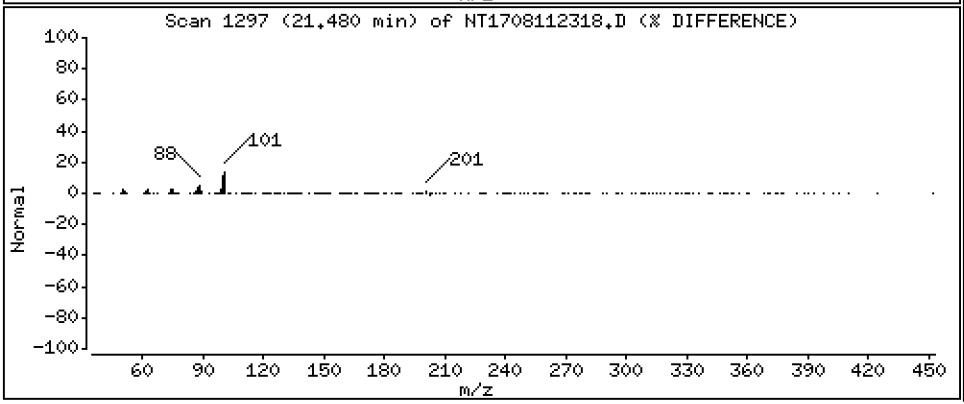
65 Pyrene

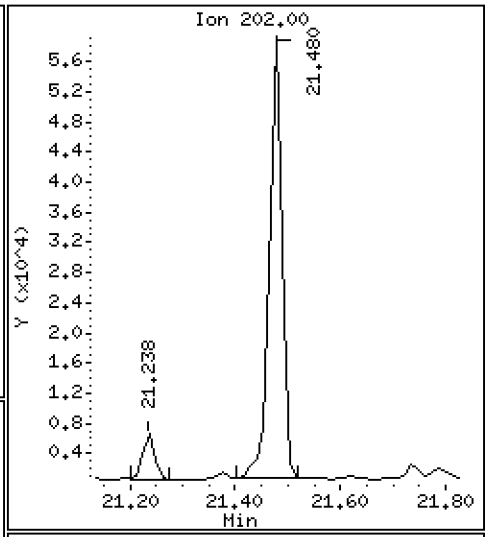
Concentration: 0.4625 ug/mL

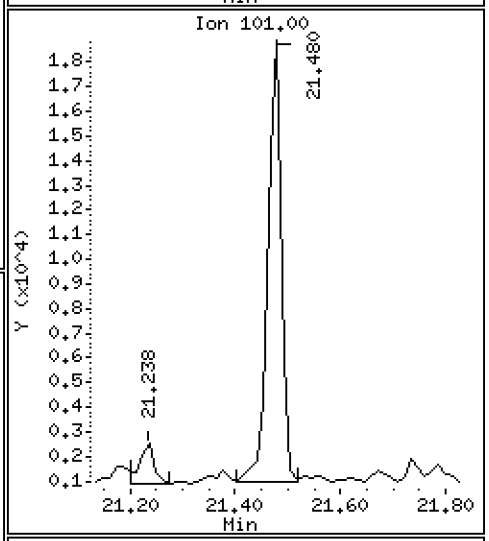


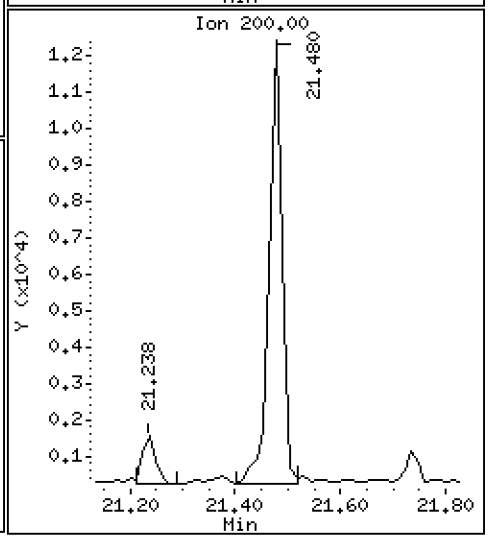












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

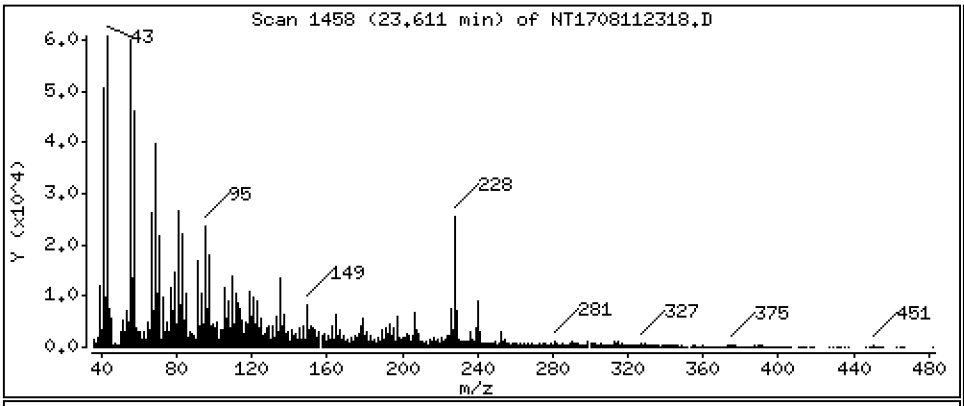
Operator: JGR

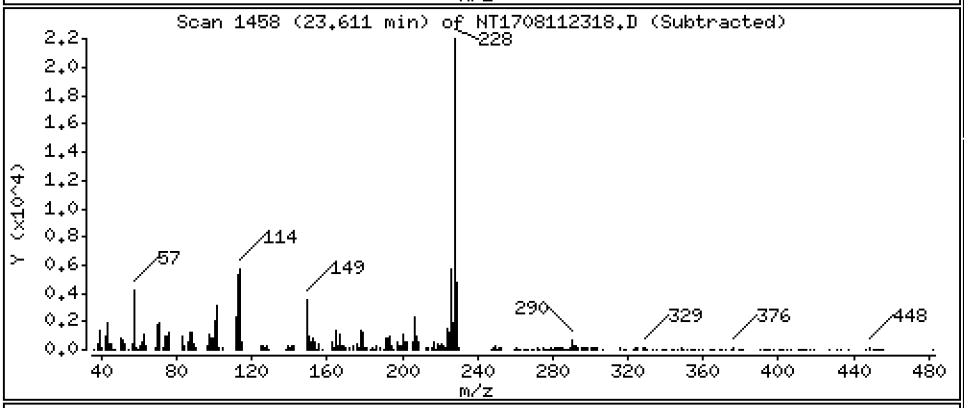
Column phase: ZB-5msi

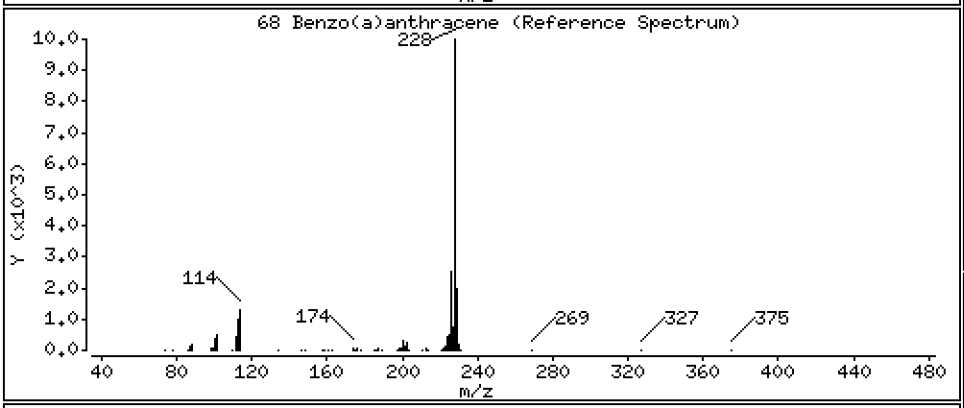
Column diameter: 0.25

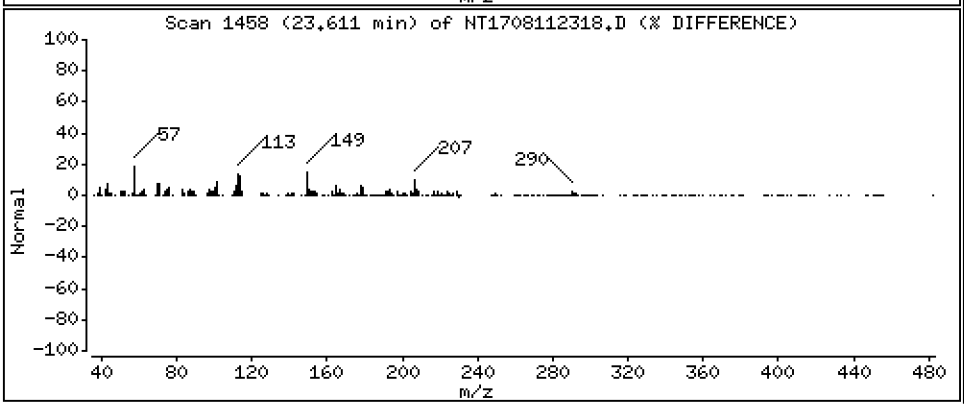
68 Benzo(a)anthracene

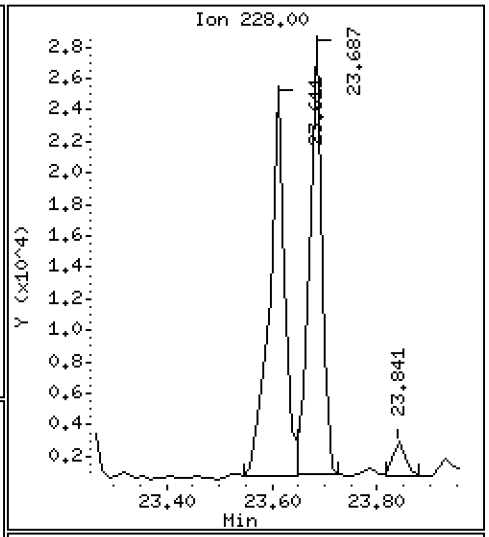
Concentration: 0.2563 ug/mL

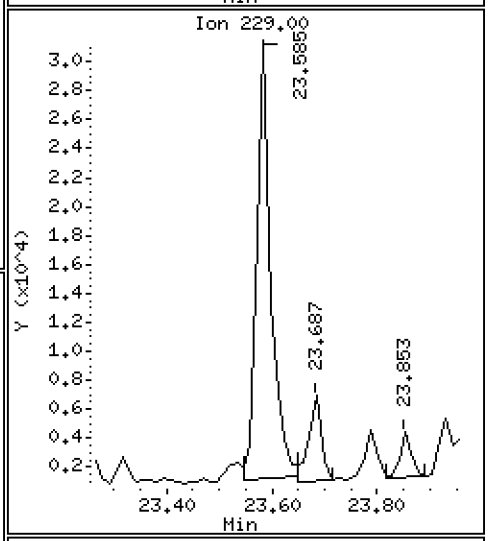


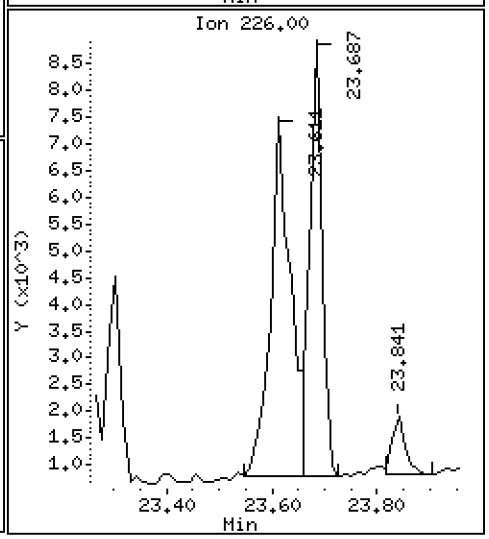












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

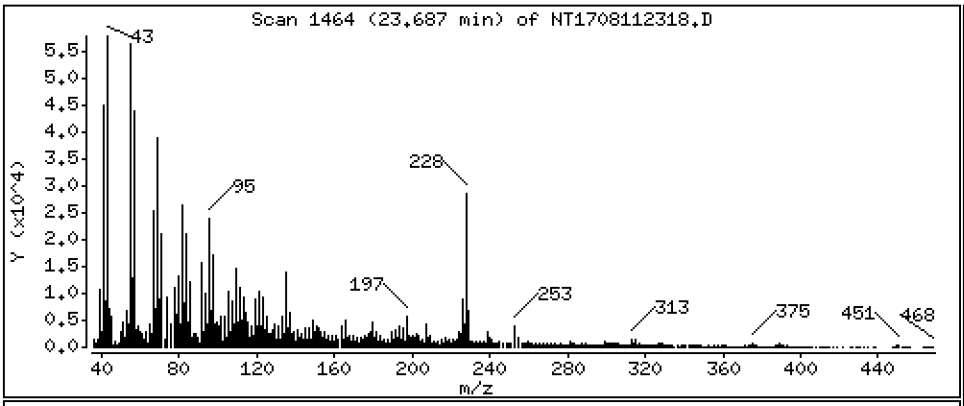
Operator: JGR

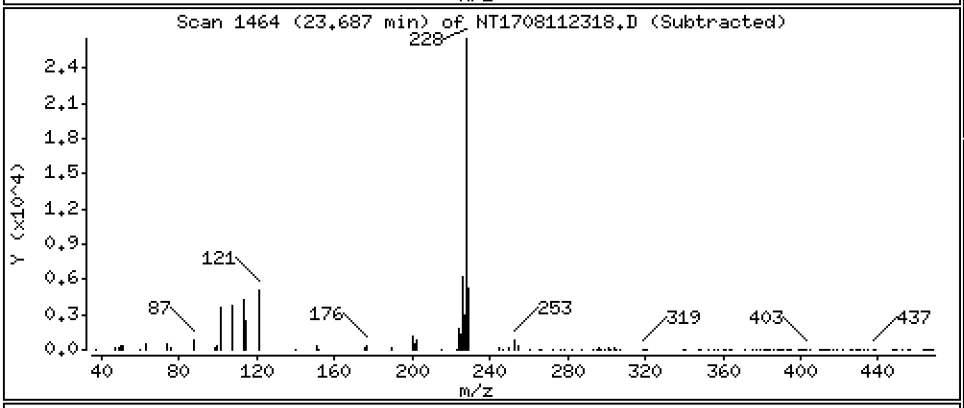
Column phase: ZB-5msi

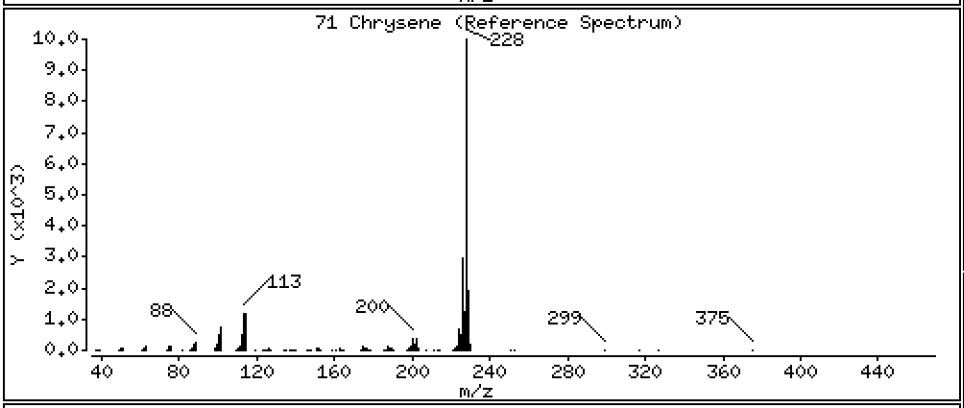
Column diameter: 0.25

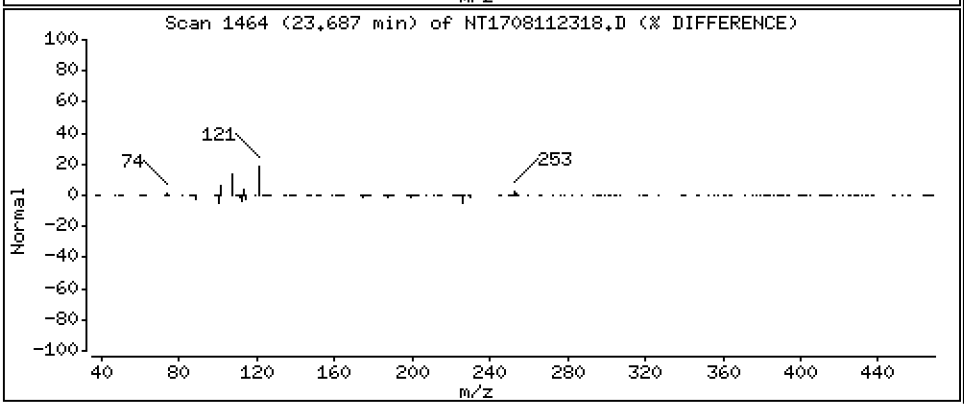
71 Chrysene

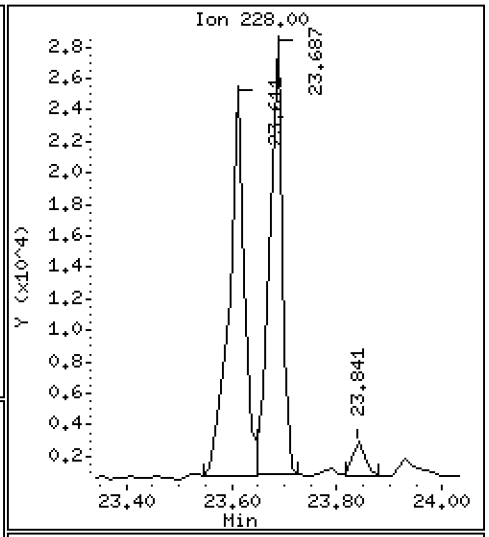
Concentration: 0.2793 ug/mL

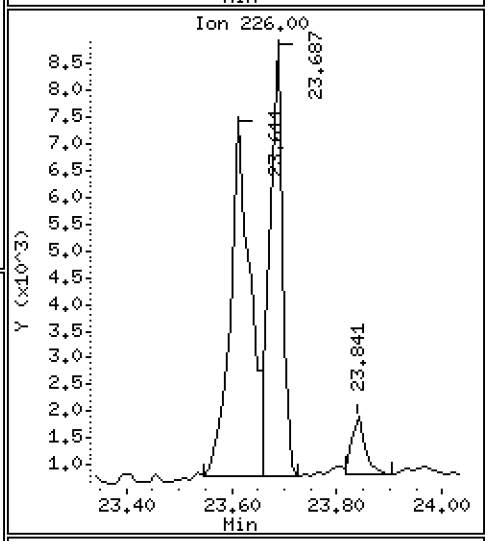


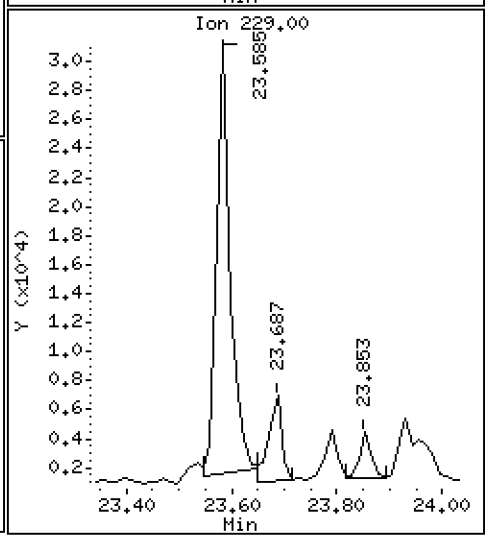












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

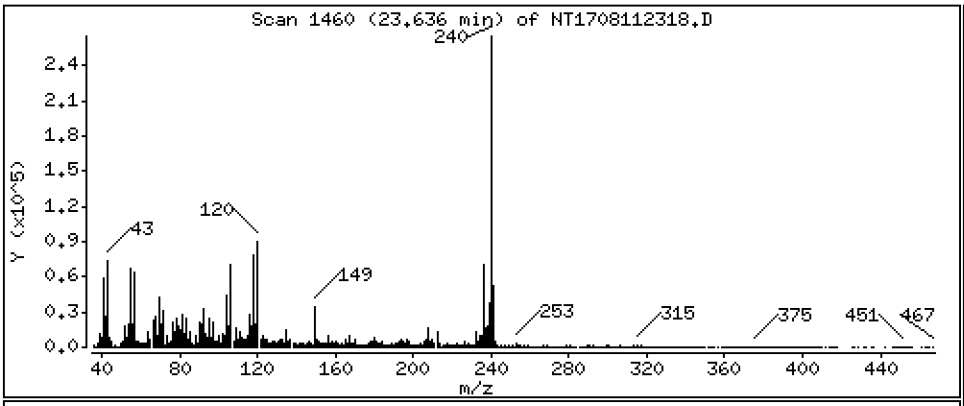
Operator: JGR

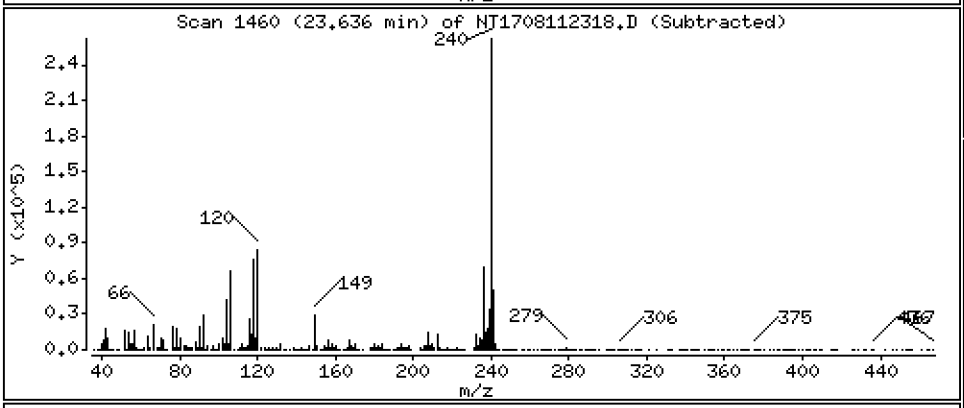
Column phase: ZB-5msi

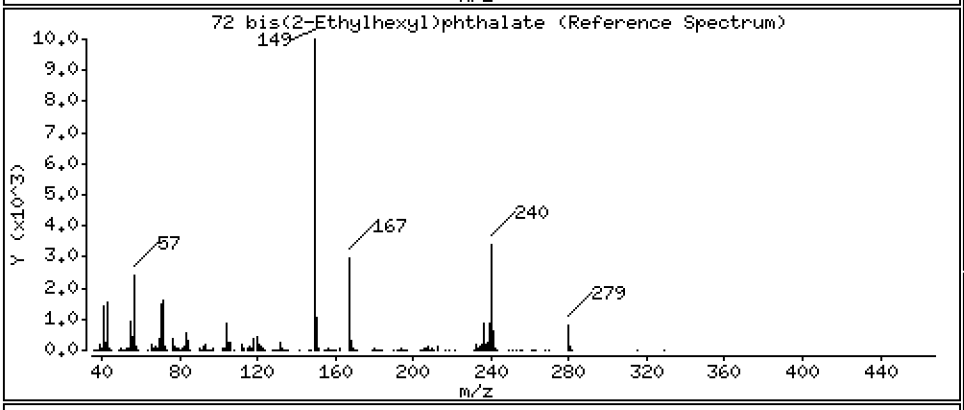
Column diameter: 0.25

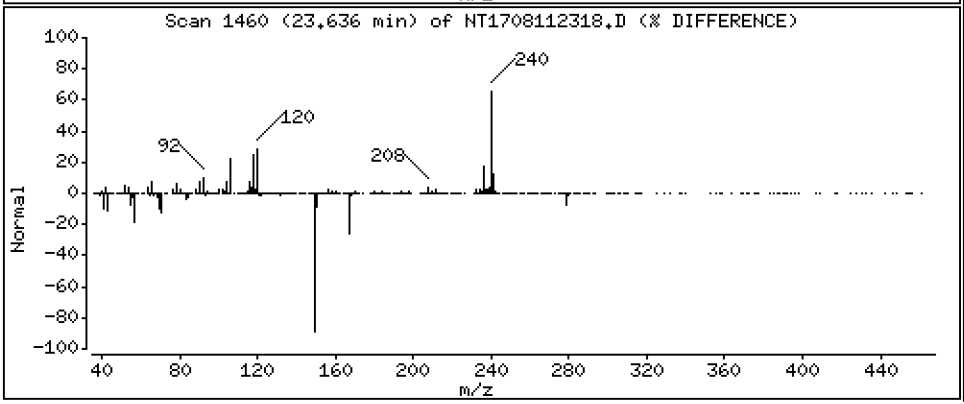
72 bis(2-Ethylhexyl)phthalate

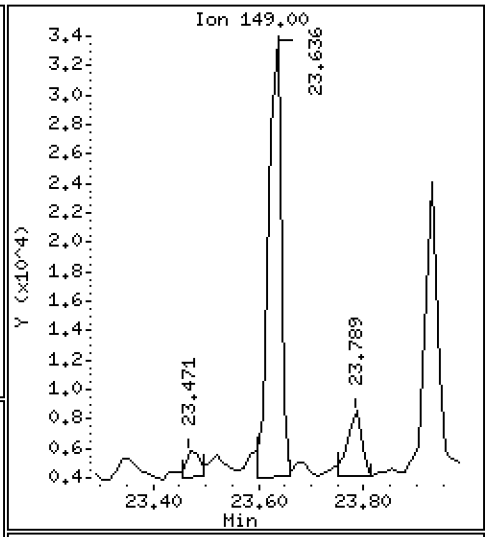
Concentration: 0.2073 ug/mL

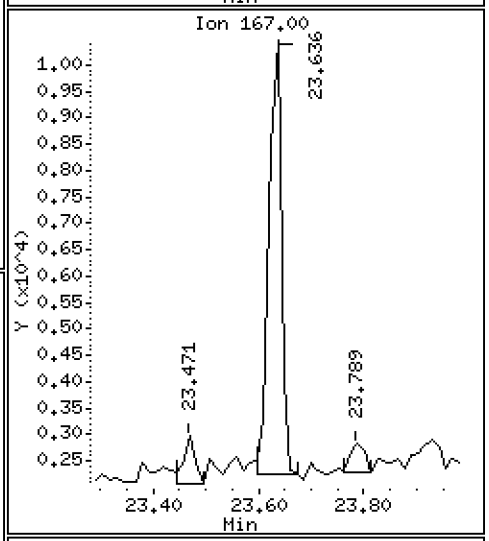


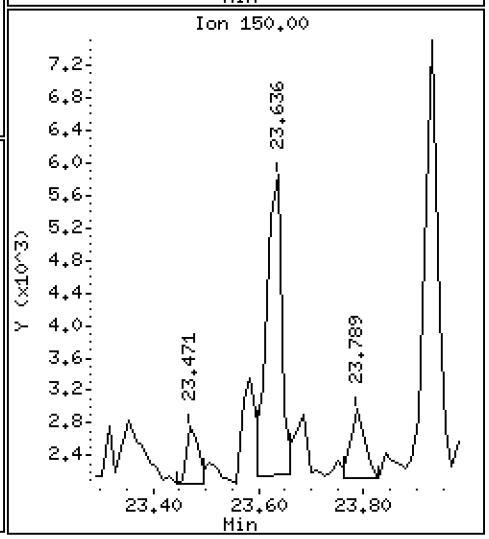












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

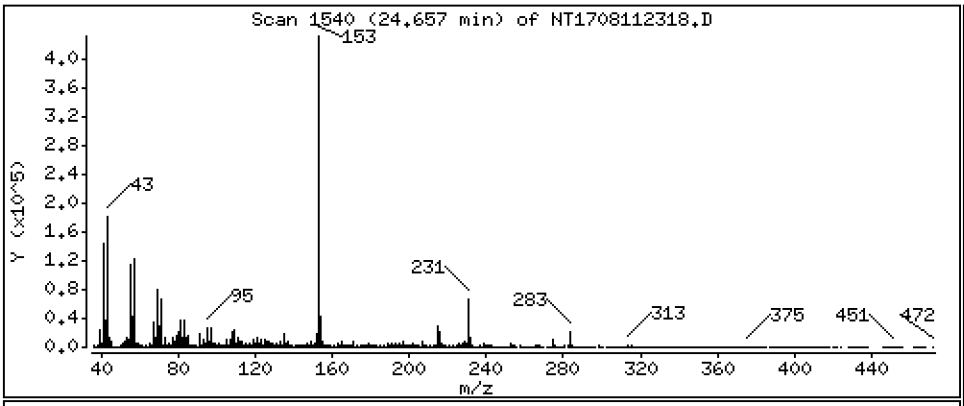
Operator: JGR

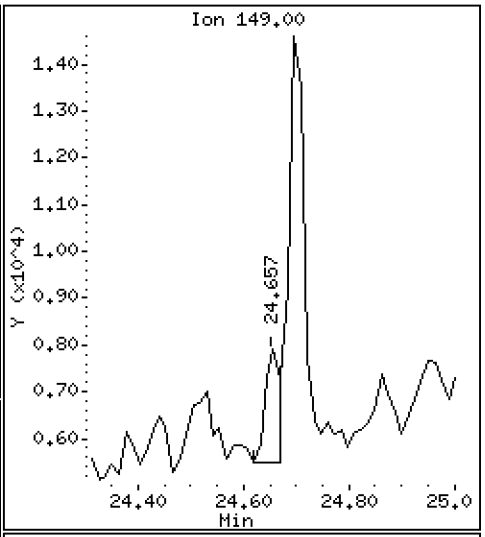
Column phase: ZB-5msi

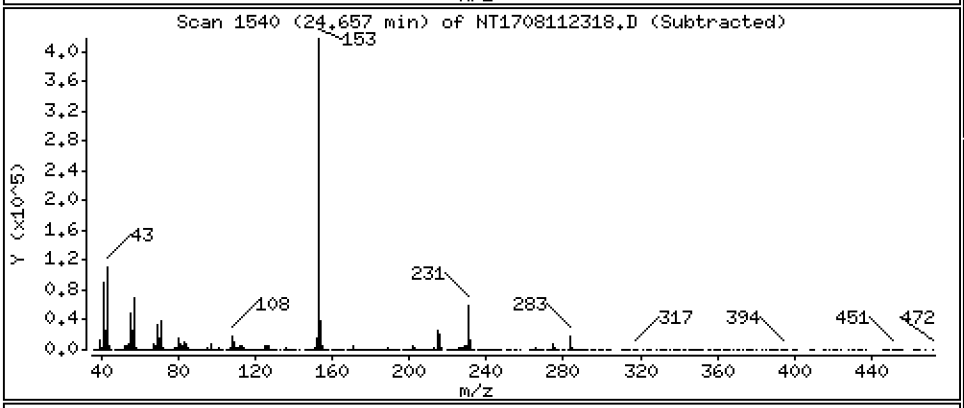
Column diameter: 0.25

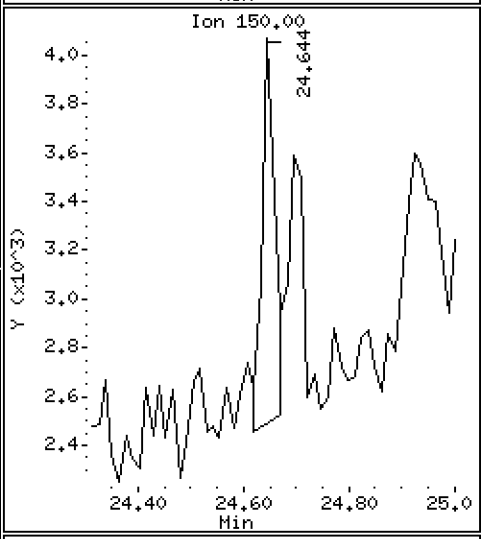
73 Di-n-octylphthalate

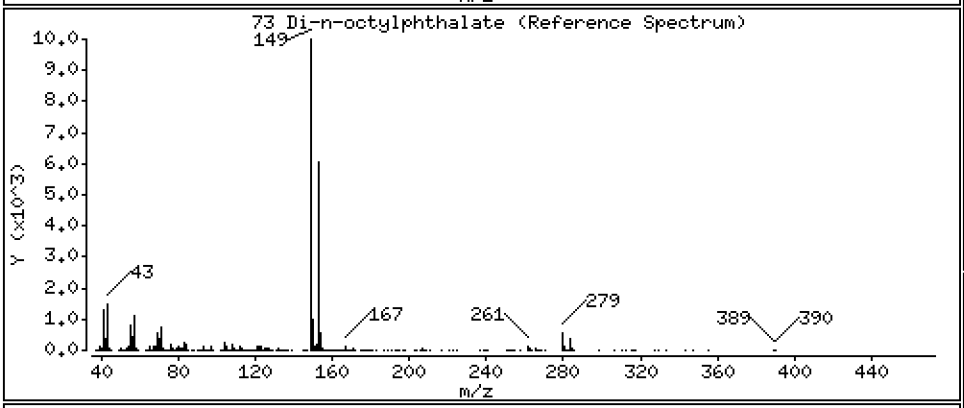
Concentration: 0.01251 ug/mL

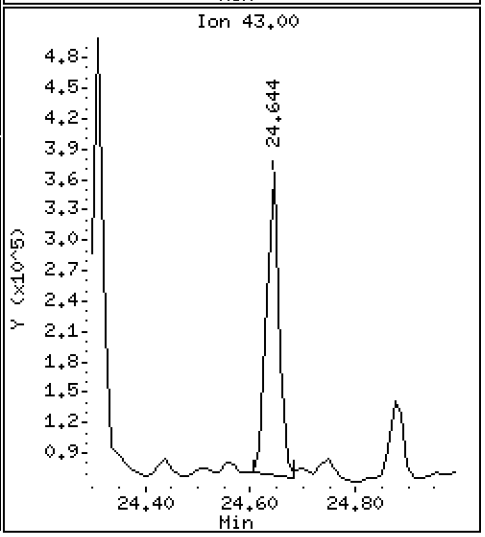


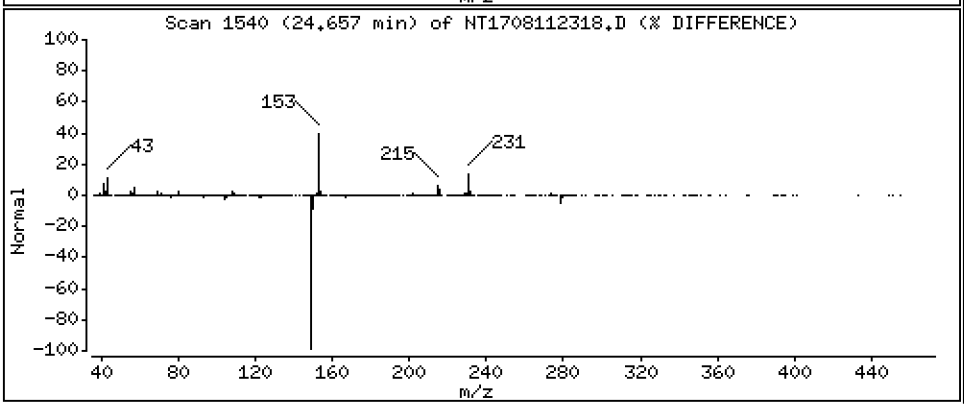












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

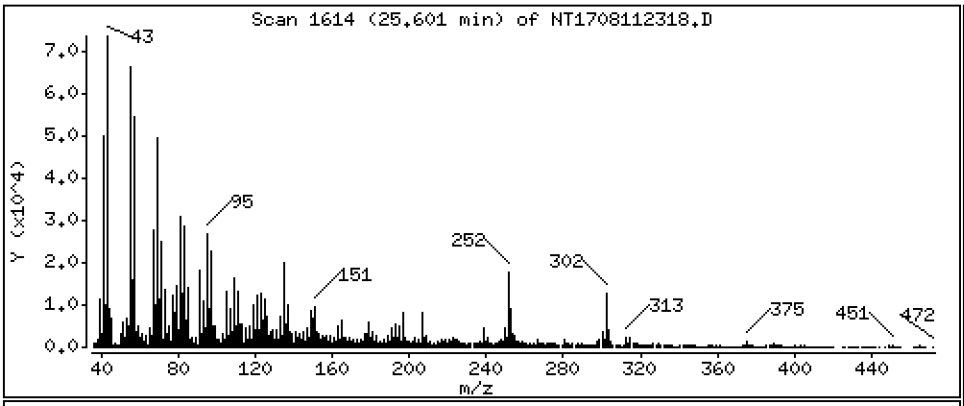
Operator: JGR

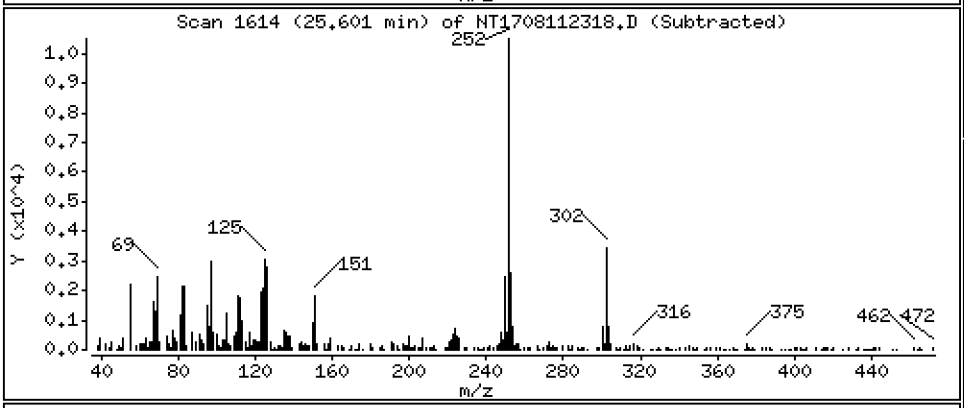
Column phase: ZB-5msi

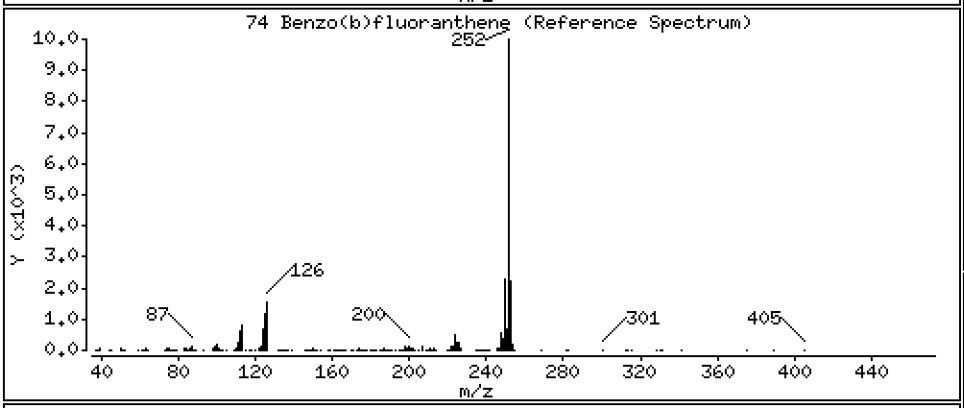
Column diameter: 0.25

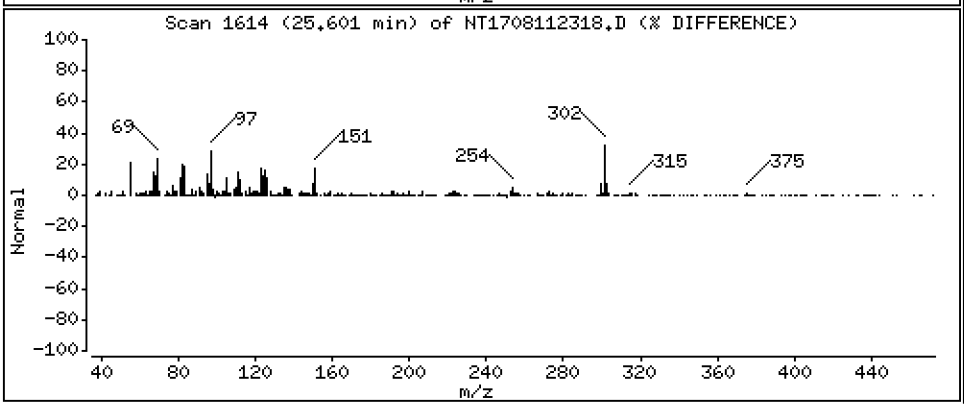
74 Benzo(b)fluoranthene

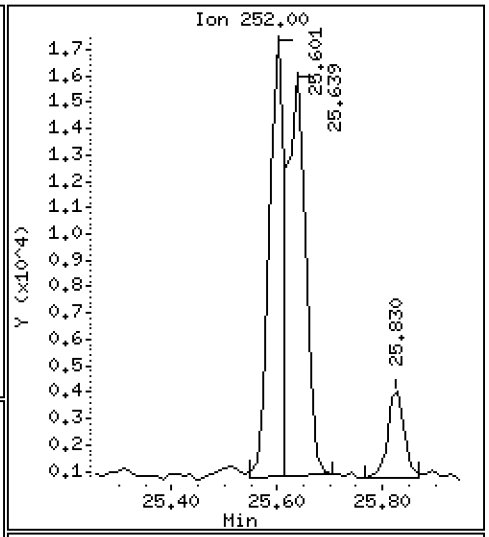
Concentration: 0.1624 ug/mL

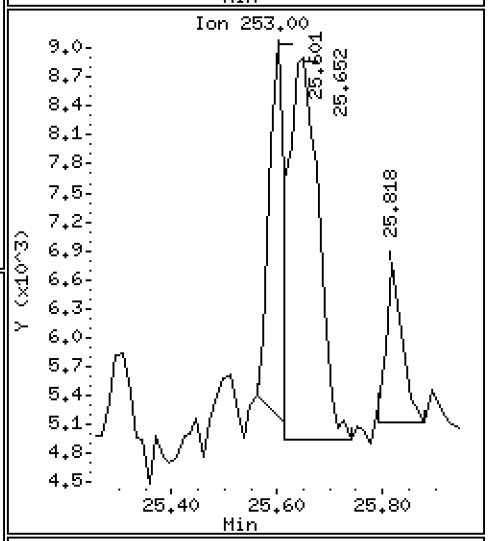


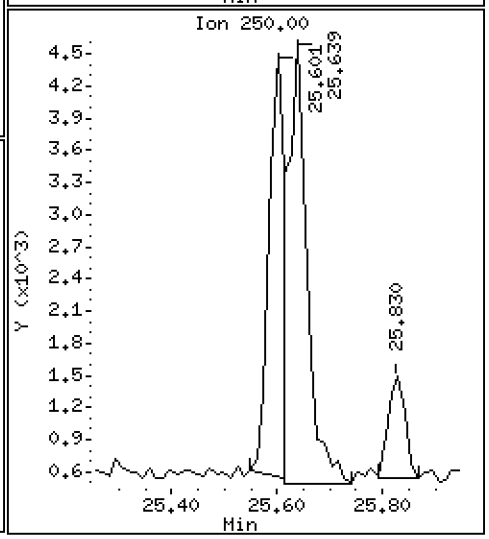












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

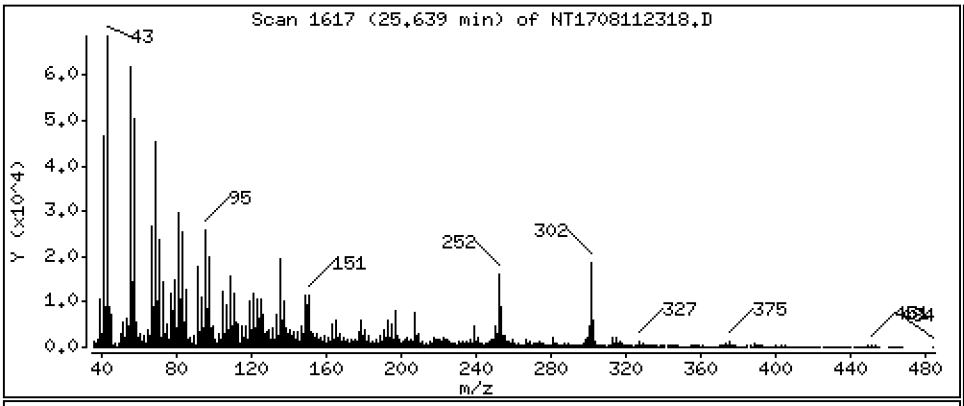
Operator: JGR

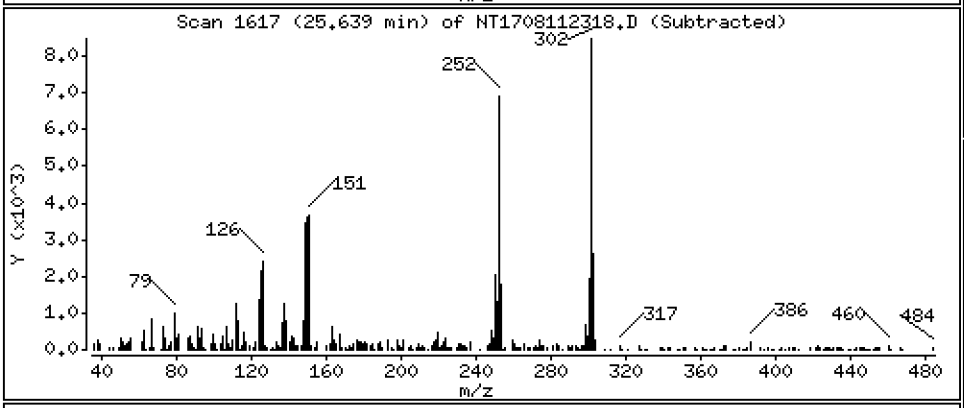
Column phase: ZB-5msi

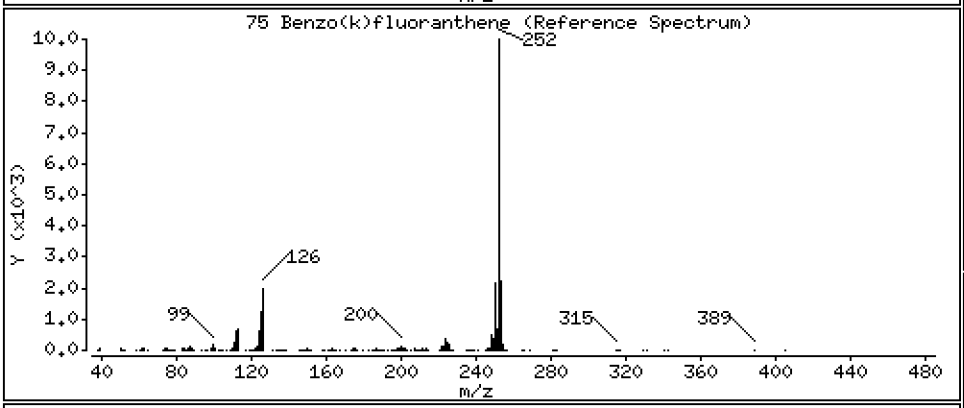
Column diameter: 0.25

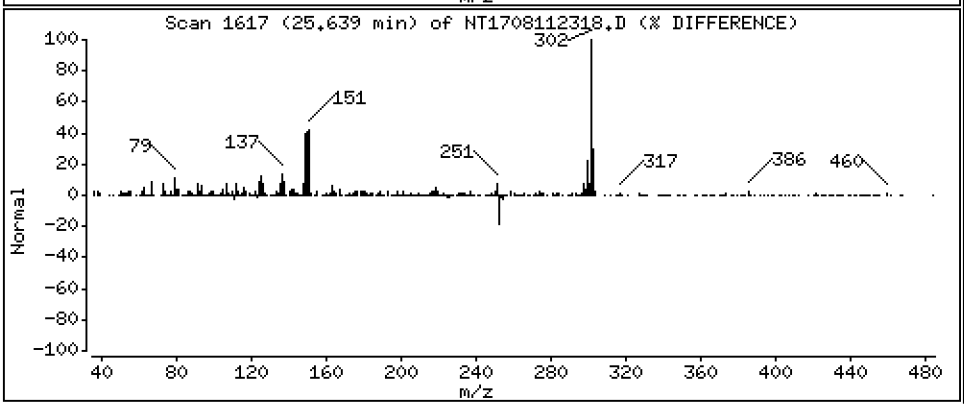
75 Benzo(k)fluoranthene

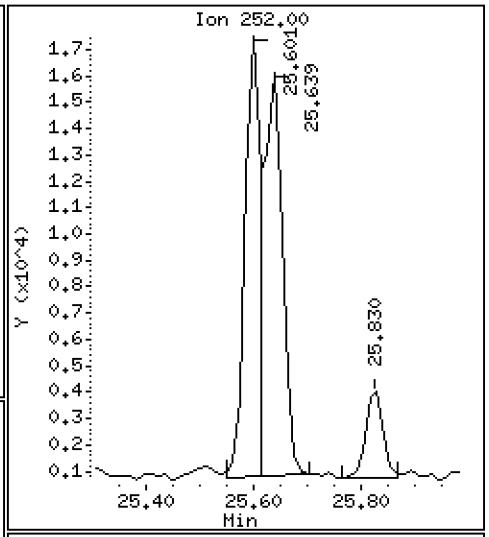
Concentration: 0.2412 ug/mL

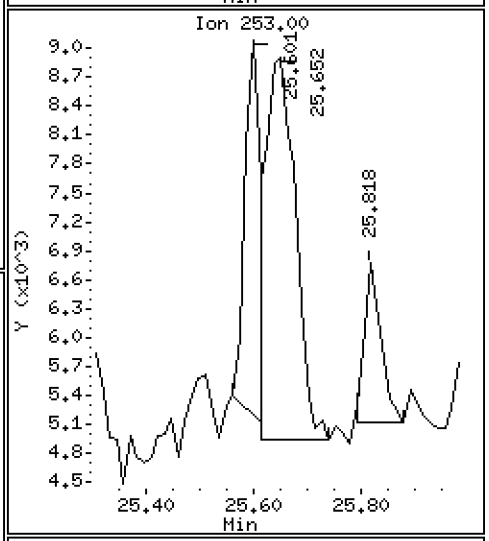


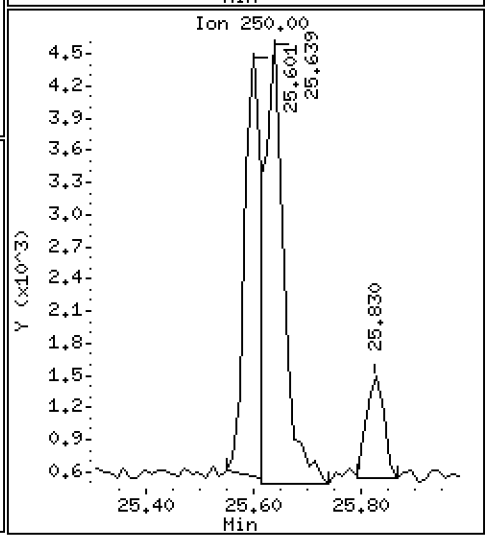












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

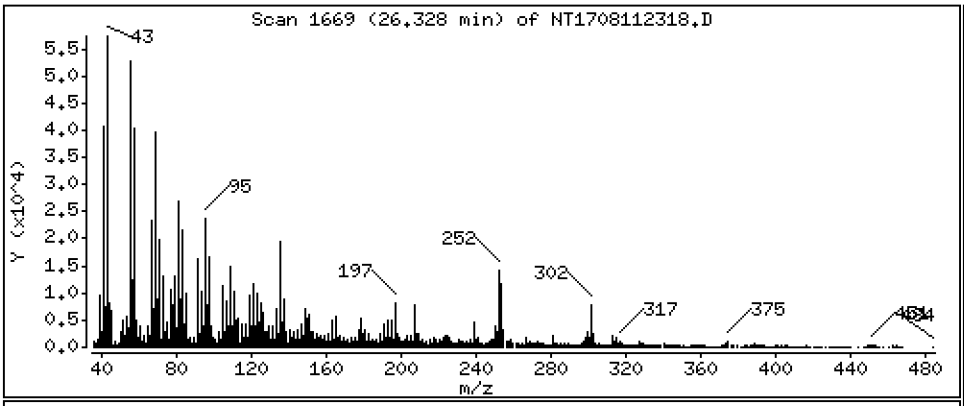
Operator: JGR

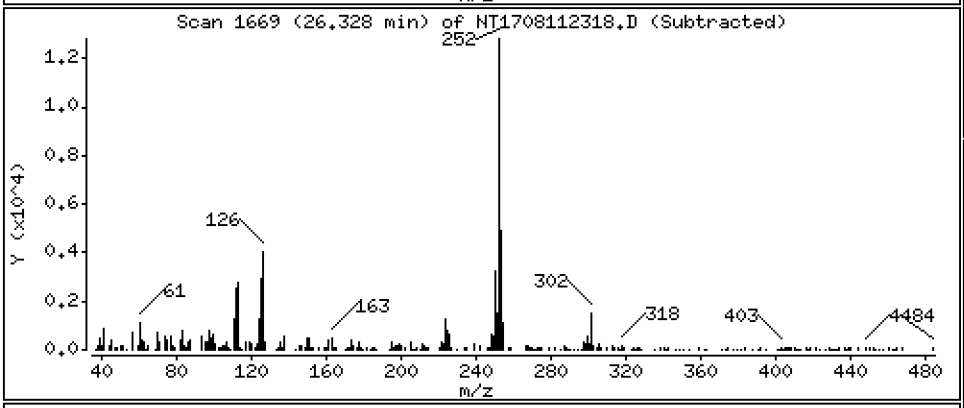
Column phase: ZB-5msi

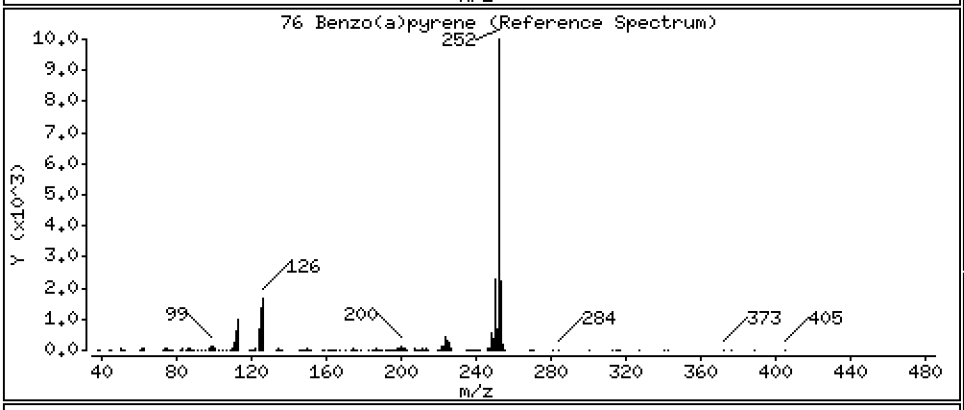
Column diameter: 0.25

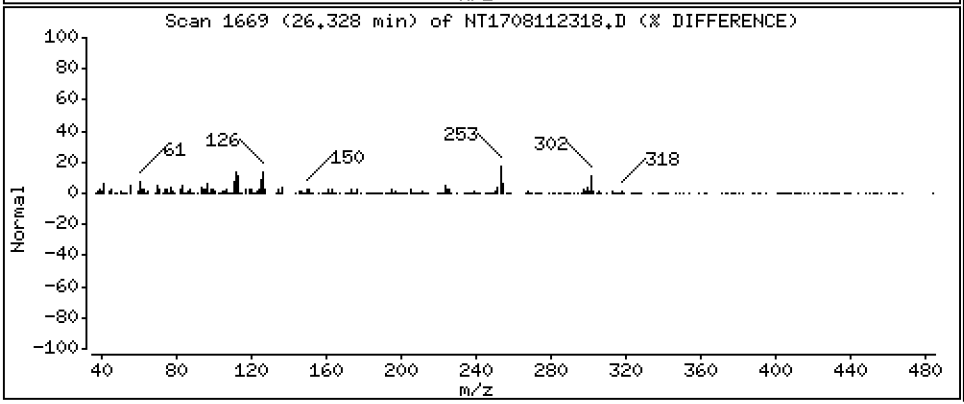
76 Benzo(a)pyrene

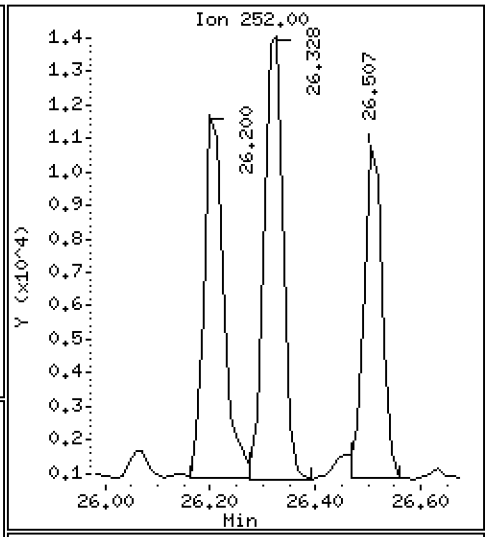
Concentration: 0.2137 ug/mL

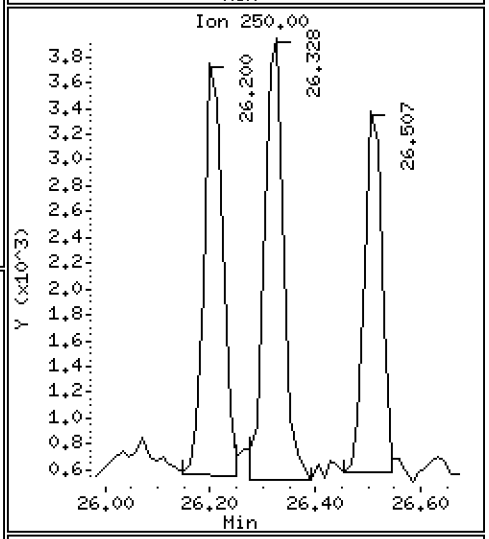


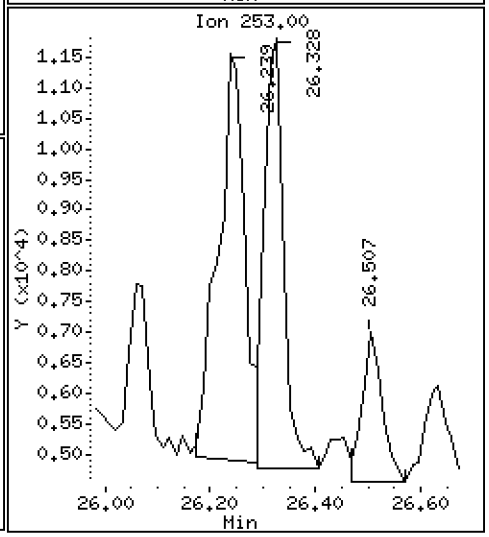












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

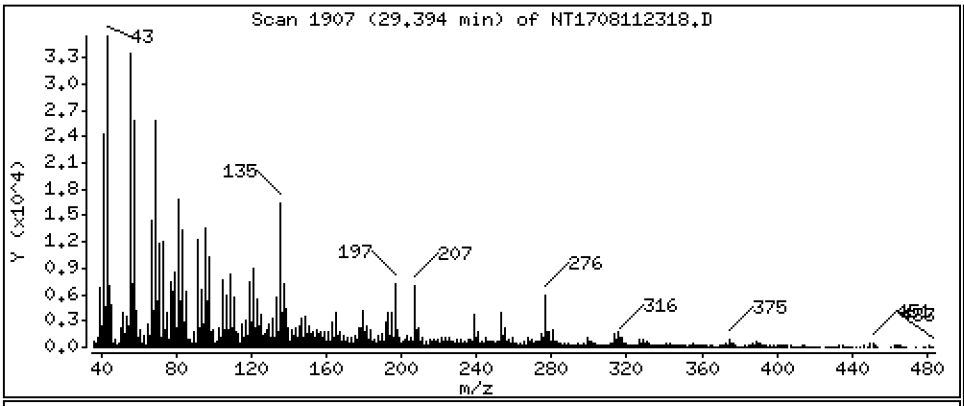
Operator: JGR

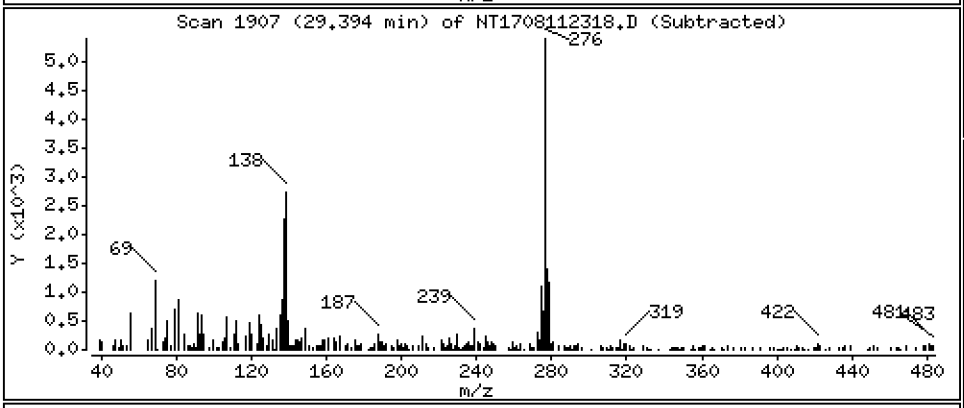
Column phase: ZB-5msi

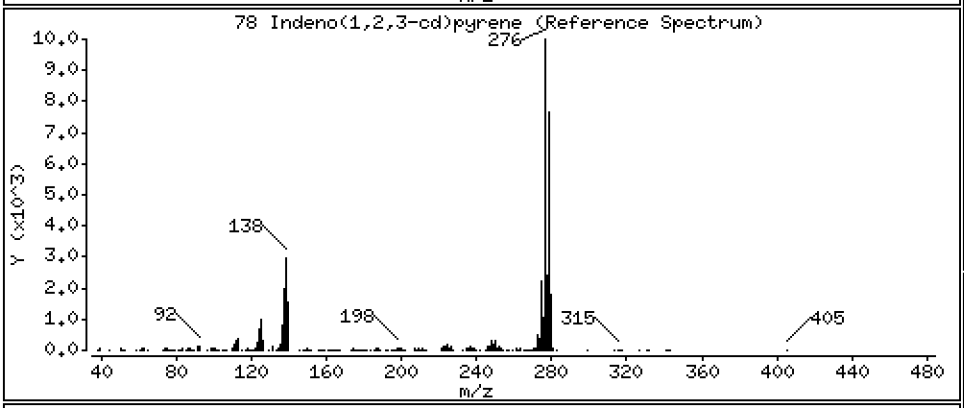
Column diameter: 0.25

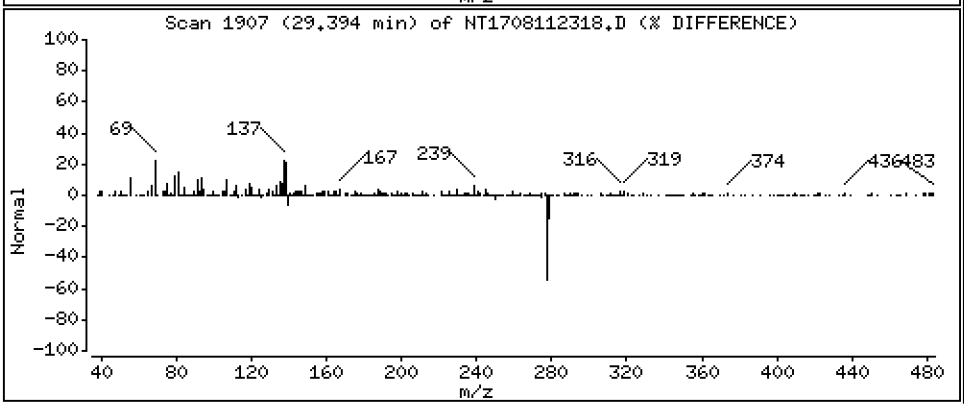
78 Indeno(1,2,3-cd)pyrene

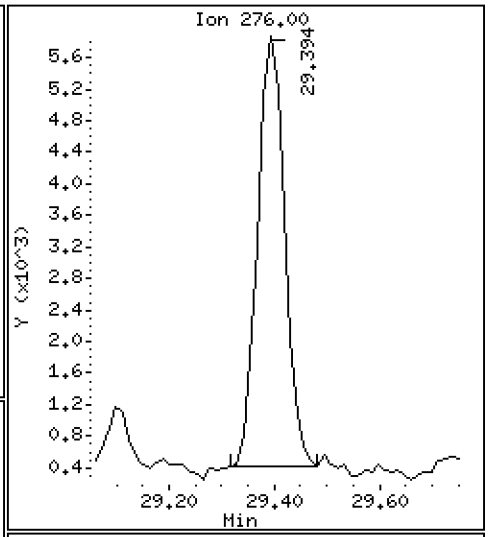
Concentration: 0.1017 ug/mL

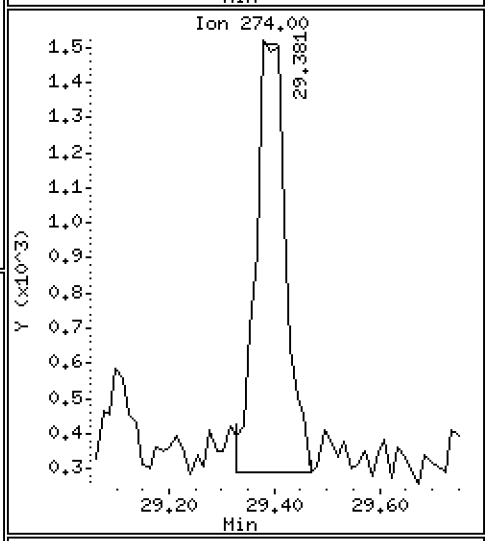


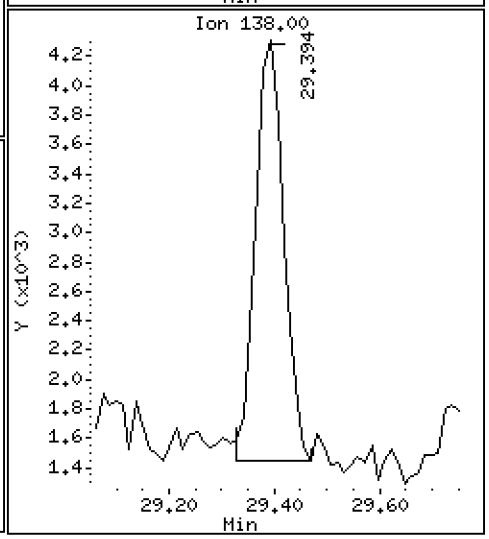












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Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

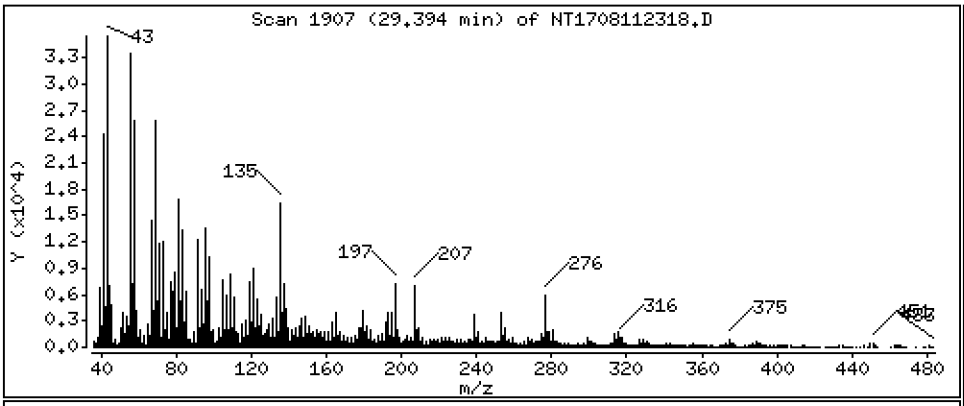
Operator: JGR

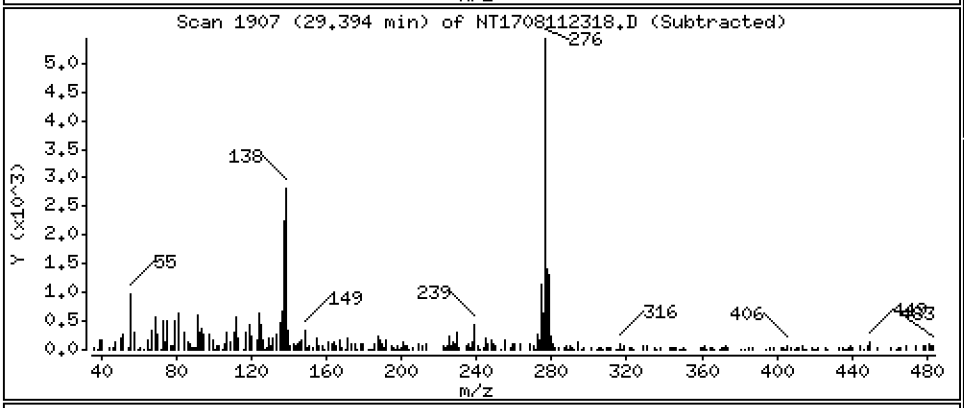
Column phase: ZB-5msi

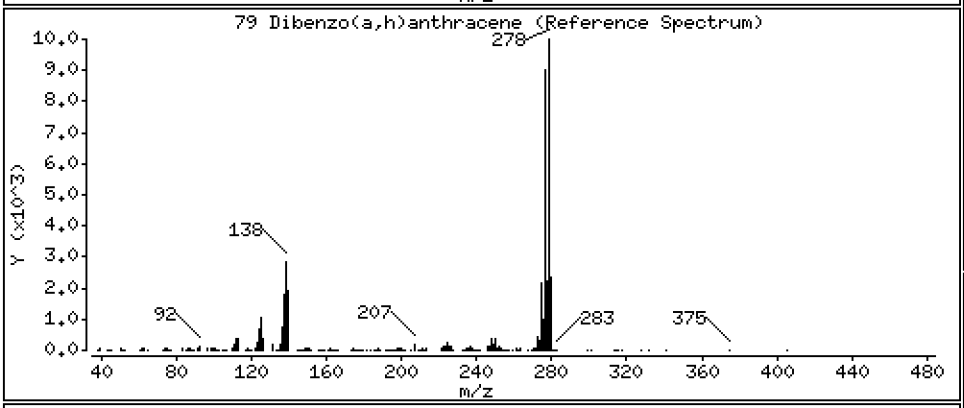
Column diameter: 0.25

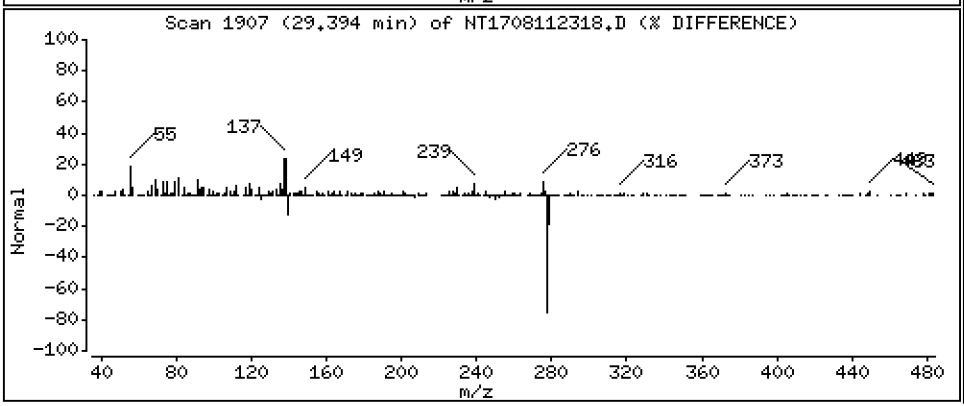
79 Dibenzo(a,h)anthracene

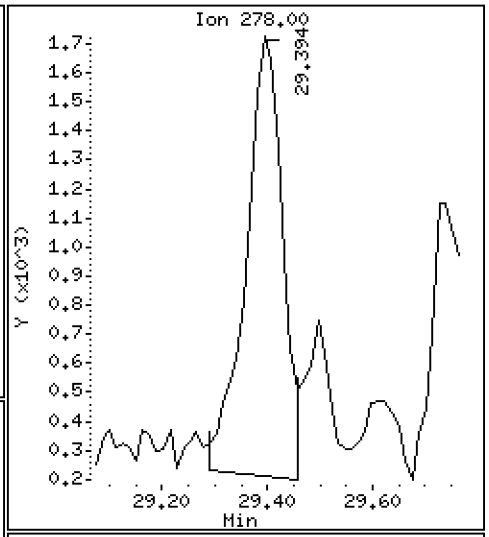
Concentration: 0.04397 ug/mL

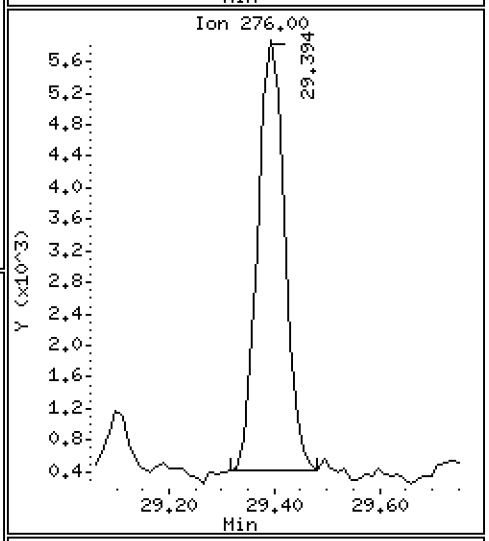


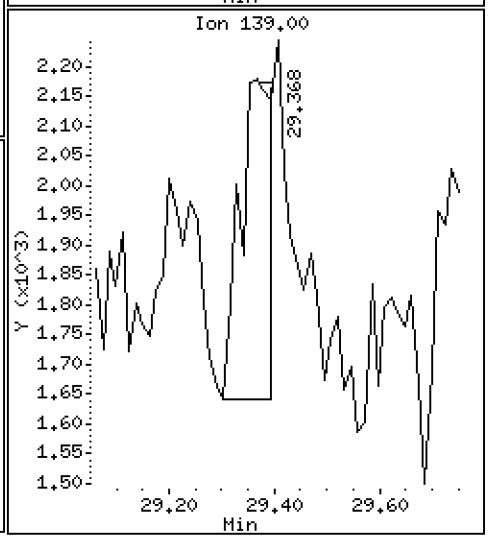












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

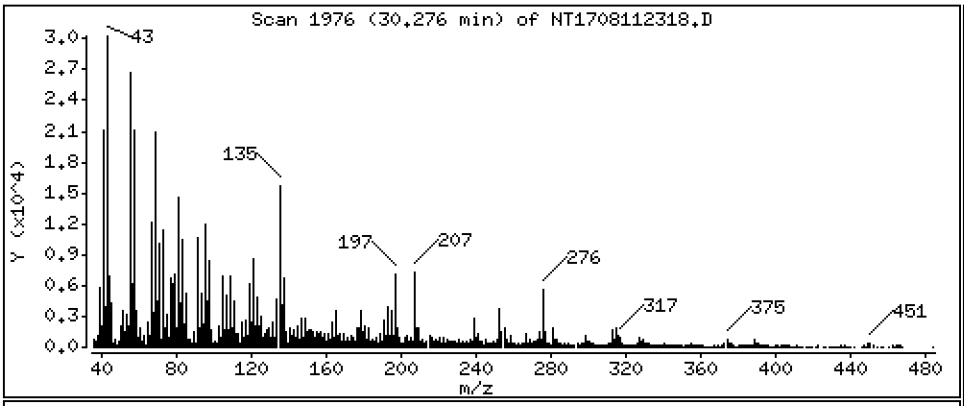
Operator: JGR

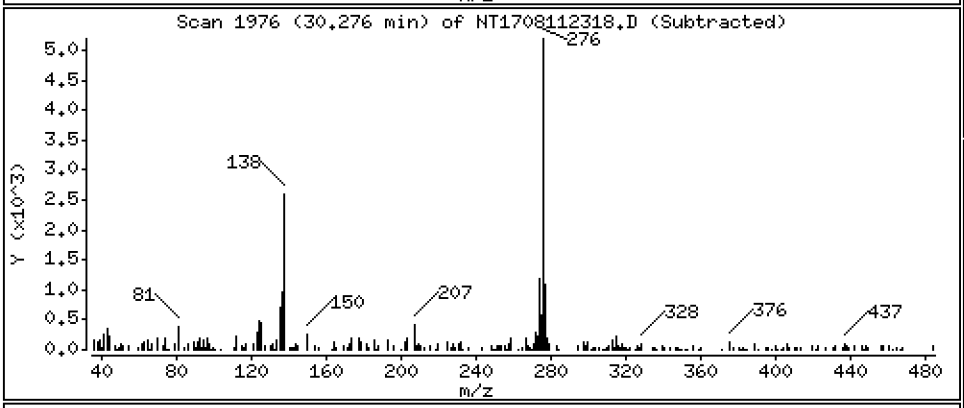
Column phase: ZB-5msi

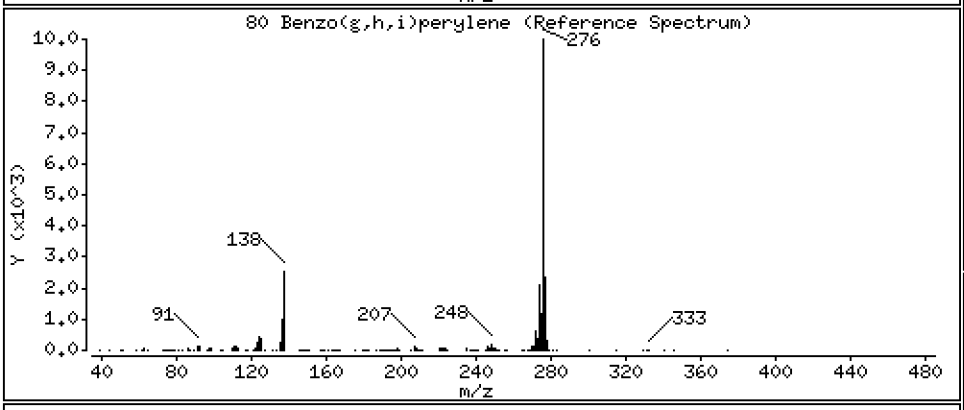
Column diameter: 0.25

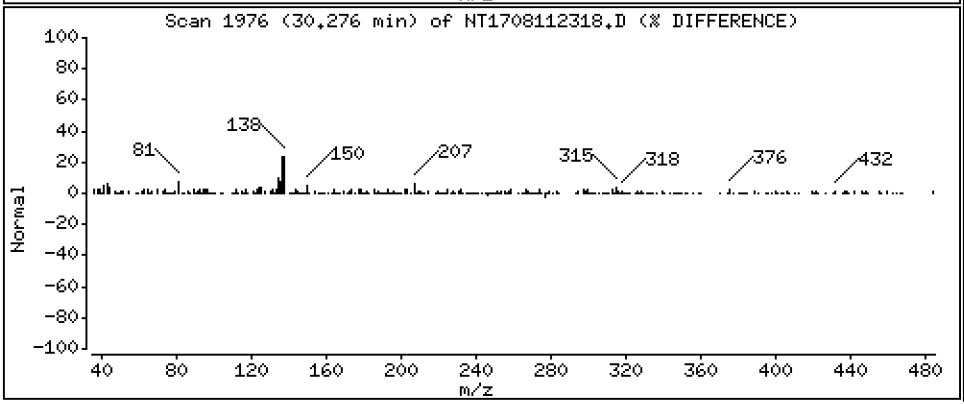
80 Benzo(g,h,i)perylene

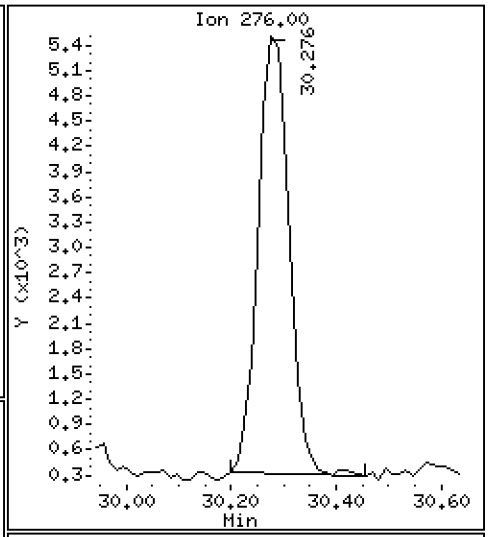
Concentration: 0.1598 ug/mL

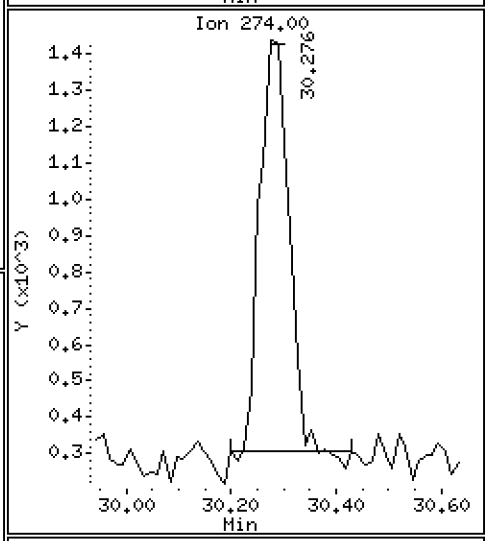


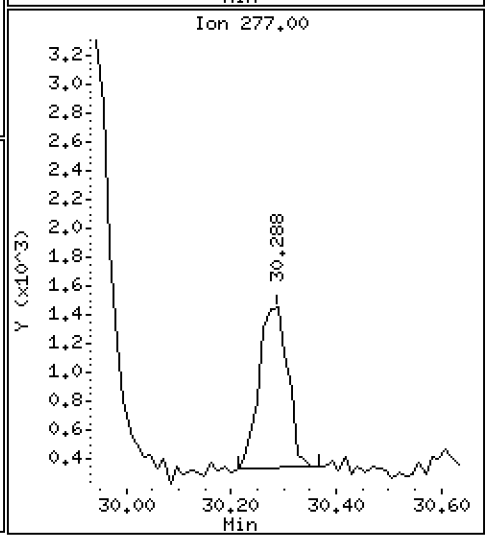












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Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

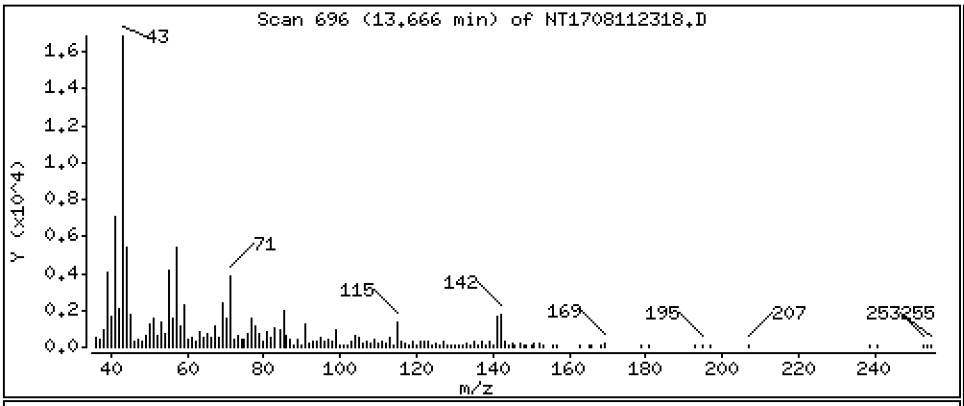
Operator: JGR

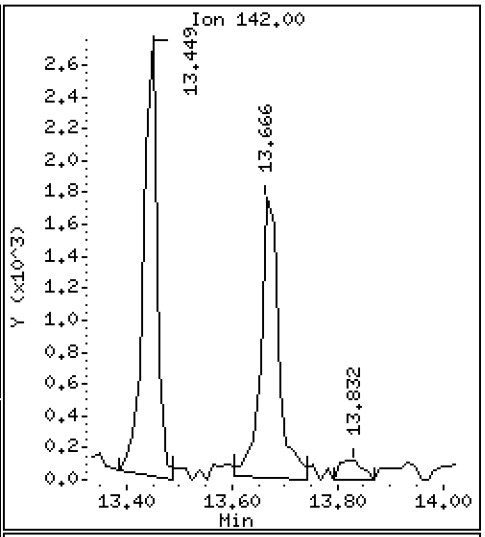
Column phase: ZB-5msi

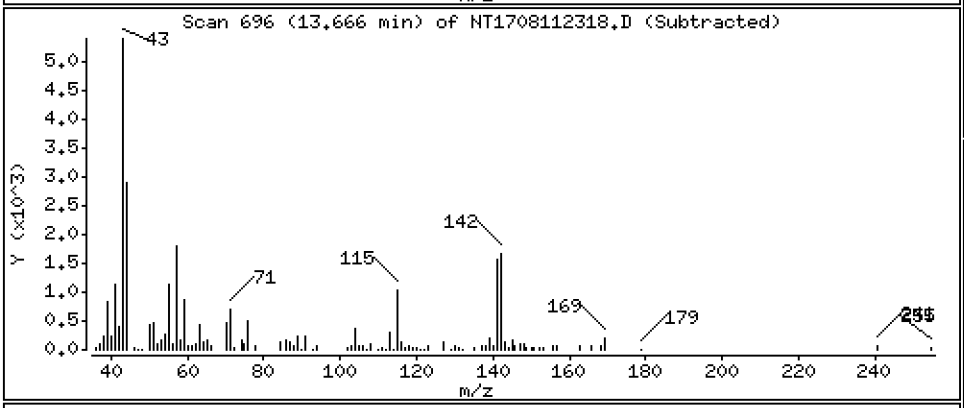
Column diameter: 0.25

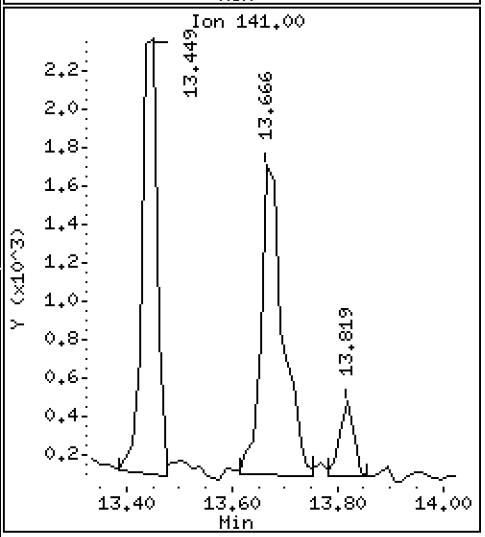
105 1-methylnaphthalene

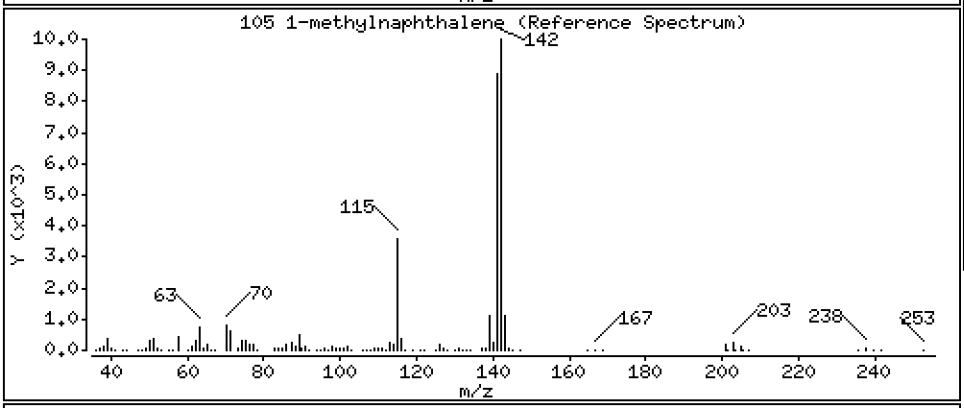
Concentration: 0.02226 ug/mL

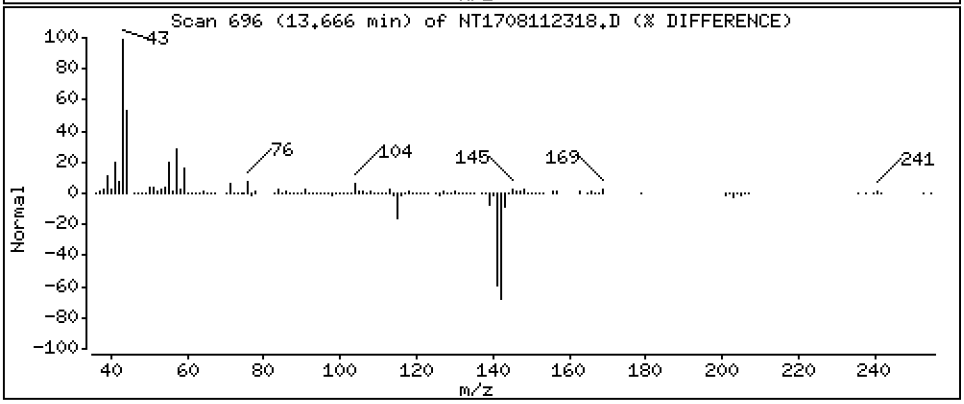












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

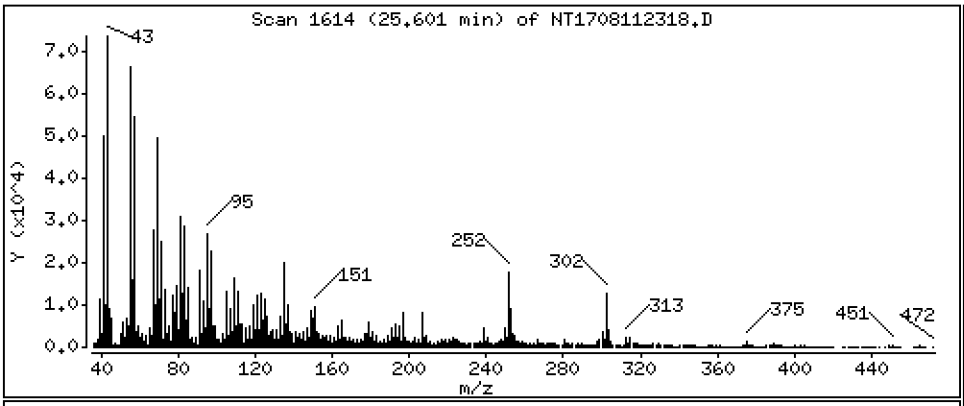
Operator: JGR

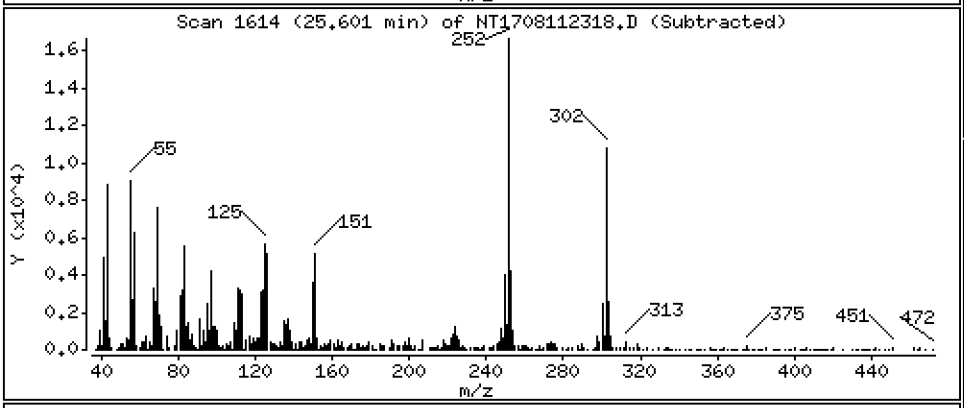
Column phase: ZB-5msi

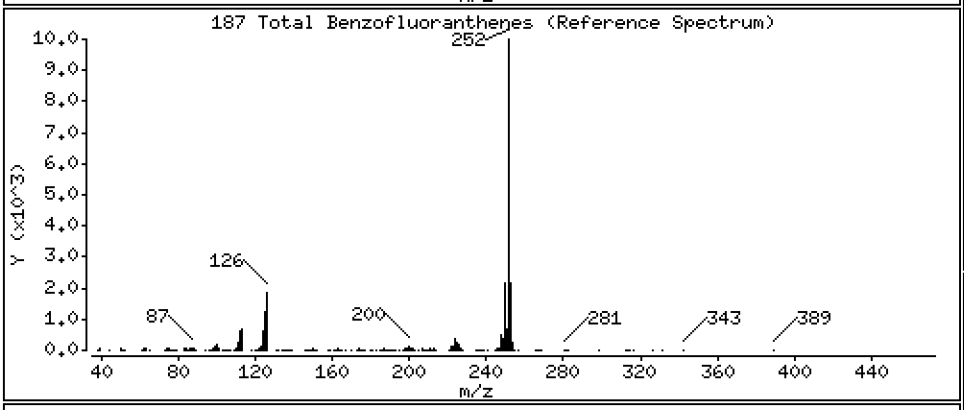
Column diameter: 0.25

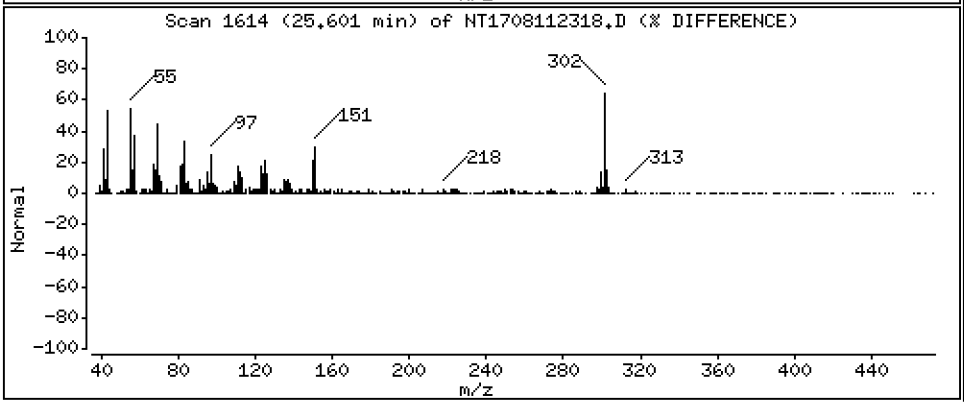
187 Total Benzofluoranthenes

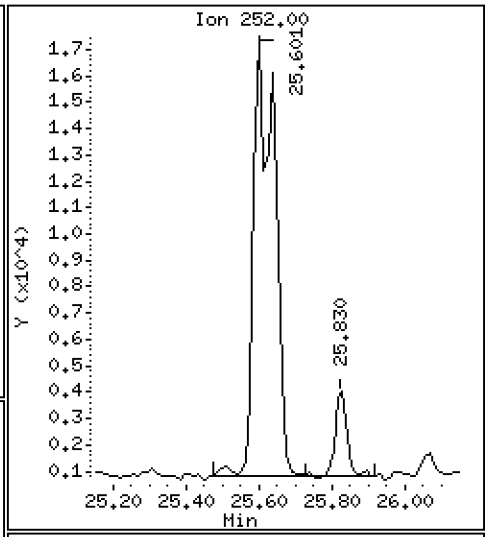
Concentration: 0.4177 ug/mL

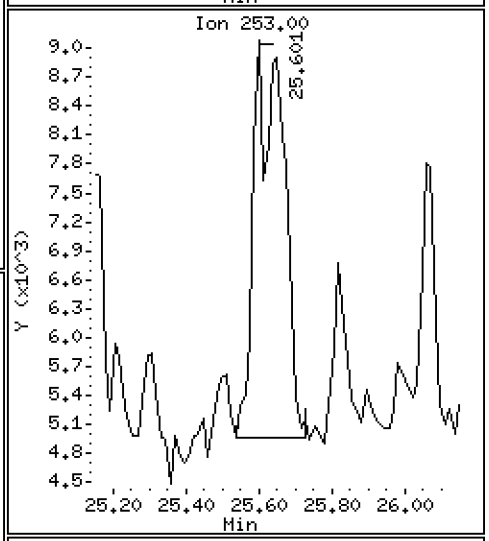


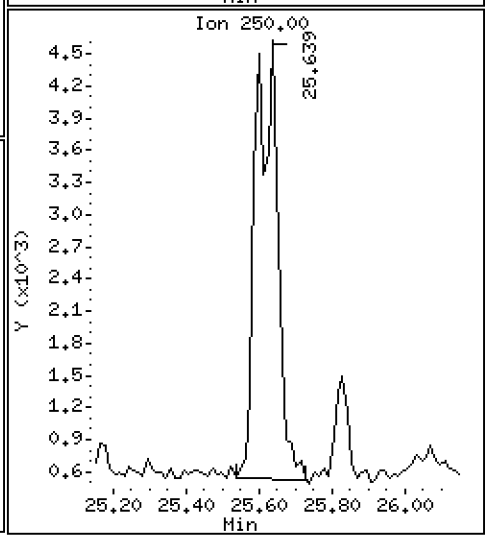












ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt17.i\20230811.b\NT1708112318.D
Lab Smp Id: 23H0221-02
Inj Date : 11-AUG-2023 22:49
Operator : JGR Inst ID: nt17.i
Smp Info : 23H0221-02
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt17.i\20230811.b\ABN.m
Meth Date : 17-Aug-2023 10:28 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:16 Cal File: NT1708102308.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$ 1	2-Fluorophenol	112	7.314	7.301	(0.767)	522784	4.42264	4.423
$ 2	Phenol-d5	99	8.868	8.868	(0.930)	723676	4.29974	4.300
3	Phenol	94	8.893	8.880	(0.933)	35196	0.20185	0.2019
$ 5	2-Chlorophenol-d4	132	9.174	9.173	(0.963)	479591	4.57645	4.576
4	Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6	2-Chlorophenol	128	Compound Not Detected.					
7	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8	1,4-Dichlorobenzene-d4	152	9.531	9.531	(1.000)	261382	4.00000	
9	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10	1,2-Dichlorobenzene-d4	152	9.889	9.901	(1.038)	181048	2.77484	2.775
12	1,2-Dichlorobenzene	146	Compound Not Detected.					
11	Benzyl alcohol	108	9.786	9.786	(1.027)	3284	0.04155	0.04155
14	2,2'-oxybis(1-Chloropropane)	121	Compound Not Detected.					
13	2-Methylphenol	108	Compound Not Detected.					
17	Hexachloroethane	117	Compound Not Detected.					
16	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
15	4-Methylphenol	108	Compound Not Detected.					
$ 18	Nitrobenzene-d5	82	10.630	10.629	(0.884)	587551	3.36850	3.368
19	Nitrobenzene	77	Compound Not Detected.					
20	Isophorone	82	Compound Not Detected.					
21	2-Nitrophenol	139	Compound Not Detected.					
22	2,4-Dimethylphenol	107	11.307	11.319	(0.941)	1614	0.01253	0.01253
23	Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
24	Benzoic acid	105	Compound Not Detected.					
25	2,4-Dichlorophenol	162	Compound Not Detected.					
26	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
* 27	Naphthalene-d8	136	12.021	12.021	(1.000)	1122197	4.00000	
28	Naphthalene	128	12.059	12.059	(1.003)	11483	0.03762	0.03762
29	4-Chloroaniline	127	Compound Not Detected.					
30	Hexachlorobutadiene	225	Compound Not Detected.					
31	4-Chloro-3-methylphenol	107	Compound Not Detected.					
32	2-Methylnaphthalene	142	13.449	13.449	(1.119)	4893	0.02315	0.02315
33	Hexachlorocyclopentadiene	237	Compound Not Detected.					

			QUANT SIG					CONCENTRATIONS ON-COLUMN	CONCENTRATIONS FINAL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
	34	2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35	2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36	2-Fluorobiphenyl	172	14.214	14.227	(0.909)	577067	3.12381	3.124
	37	2-Chloronaphthalene	162	Compound Not Detected.					
	38	2-Nitroaniline	65	Compound Not Detected.					
	39	Dimethylphthalate	163	15.107	15.119	(0.967)	4521	0.02593	0.02593
	40	Acenaphthylene	152	15.311	15.324	(0.980)	10188	0.03959	0.03959
	41	2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42	Acenaphthene-d10	164	15.630	15.630	(1.000)	499504	4.00000	
	43	3-Nitroaniline	138	Compound Not Detected.					
	44	Acenaphthene	153	15.693	15.693	(1.004)	2405	0.01489	0.01489
	45	2,4-Dinitrophenol	184	Compound Not Detected.					
	46	Dibenzofuran	168	16.012	16.025	(1.024)	4146	0.01889	0.01889
	47	4-Nitrophenol	109	Compound Not Detected.					
	48	2,4-Dinitrotoluene	165	Compound Not Detected.					
	50	Diethylphthalate	149	16.560	16.560	(1.060)	191322	0.85500	0.8550
	49	Fluorene	166	16.726	16.726	(1.070)	2610	0.01486	0.01486
	51	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52	4-Nitroaniline	138	Compound Not Detected.					
	53	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54	N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55	2,4,6-Tribromophenol	330	17.260	17.260	(1.104)	84602	5.52939	5.529
	56	4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57	Hexachlorobenzene	284	Compound Not Detected.					
	58	Pentachlorophenol	266	18.381	18.381	(0.985)	685	0.03265	0.03265
*	59	Phenanthrene-d10	188	18.662	18.662	(1.000)	792857	4.00000	
	60	Phenanthrene	178	18.713	18.713	(1.003)	57614	0.25138	0.2514
	61	Anthracene	178	18.802	18.802	(1.008)	16461	0.08008	0.08008
	62	Carbazole	167	19.121	19.121	(1.025)	9582	0.04770	0.04770
	63	Di-n-butylphthalate	149	Compound Not Detected.					
	64	Fluoranthene	202	21.059	21.059	(0.891)	100782	0.49481	0.4948
	65	Pyrene	202	21.480	21.480	(0.908)	98426	0.46254	0.4625
$	66	Terphenyl-d14	244	21.735	21.735	(0.919)	664940	4.42198	4.422
	67	Butylbenzylphthalate	149	Compound Not Detected.					
	68	Benzo(a)anthracene	228	23.610	23.610	(0.998)	49060	0.25629	0.2563
*	69	Chrysene-d12	240	23.649	23.648	(1.000)	497526	4.00000	
	70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71	Chrysene	228	23.687	23.687	(1.002)	45781	0.27927	0.2793
	72	bis(2-Ethylhexyl)phthalate	149	23.636	23.636	(0.959)	49601	0.20728	0.2073
*	134	Di-n-octylphthalate-d4	153	24.644	24.643	(1.000)	1454090	4.00000	
	73	Di-n-octylphthalate	149	24.656	24.656	(1.001)	4914	0.01251	0.01251
	74	Benzo(b)fluoranthene	252	25.600	25.600	(0.968)	33265	0.16240	0.1624
	75	Benzo(k)fluoranthene	252	25.639	25.651	(0.969)	41876	0.24120	0.2412
	76	Benzo(a)pyrene	252	26.328	26.327	(0.995)	33528	0.21367	0.2137
*	77	Perylene-d12	264	26.455	26.455	(1.000)	469886	4.00000	
	78	Indeno(1,2,3-cd)pyrene	276	29.393	29.406	(1.111)	19524	0.10169	0.1017
	79	Dibenzo(a,h)anthracene	278	29.393	29.419	(1.111)	7410	0.04397	0.04397
	80	Benzo(g,h,i)perylene	276	30.275	30.288	(1.144)	21040	0.15985	0.1598(M)
	90	N-Nitrosodimethylamine	74	Compound Not Detected.					
	91	Aniline	93	Compound Not Detected.					
	93	Benzidine	184	Compound Not Detected.					
	103	Pyridine	79	Compound Not Detected.					
	105	1-methylnaphthalene	142	13.666	13.678	(1.137)	4314	0.02226	0.02226
	111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.600	25.651	(0.968)	67006	0.41771	0.4177
120 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708112318.D
Lab Smp Id: 23H0221-02
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230811.b\ABN.m
Misc Info:

Calibration Date: 11-AUG-2023
Calibration Time: 12:50
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	243724	121862	487448	261382	7.25
27 Naphthalene-d8	1014927	507464	2029854	1122197	10.57
42 Acenaphthene-d10	473303	236652	946606	499504	5.54
59 Phenanthrene-d10	780320	390160	1560640	792857	1.61
69 Chrysene-d12	509205	254603	1018410	497526	-2.29
134 Di-n-octylphthala	1278671	639336	2557342	1454090	13.72
77 Perylene-d12	502984	251492	1005968	469886	-6.58

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.53	9.03	10.03	9.53	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.66	0.00
69 Chrysene-d12	23.65	23.15	24.15	23.65	0.00
134 Di-n-octylphthala	24.64	24.14	25.14	24.64	0.00
77 Perylene-d12	26.46	25.96	26.96	26.46	0.00

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

REVIEW SUMMARY FOR FILE - NT1708112318.D

Lab ID: 23H0221-02
nt17.i, ABN.m, 11-AUG-2023 22:49

RT	CO-ELUTION COMPOUNDS
29.394	Indeno(1,2,3-cd)pyrene and Dibenzo(a,h)anthracene
29.394	Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
NONE			

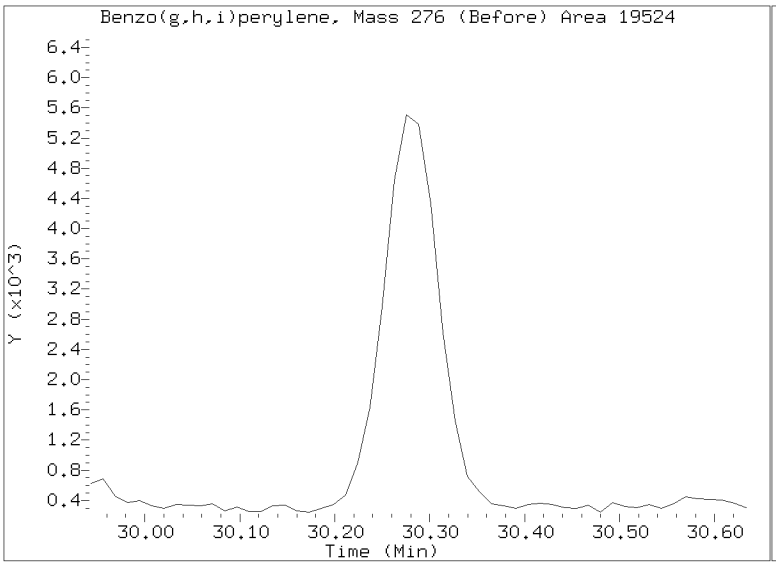
RRT check based on Ccal File: NT1708112302.D

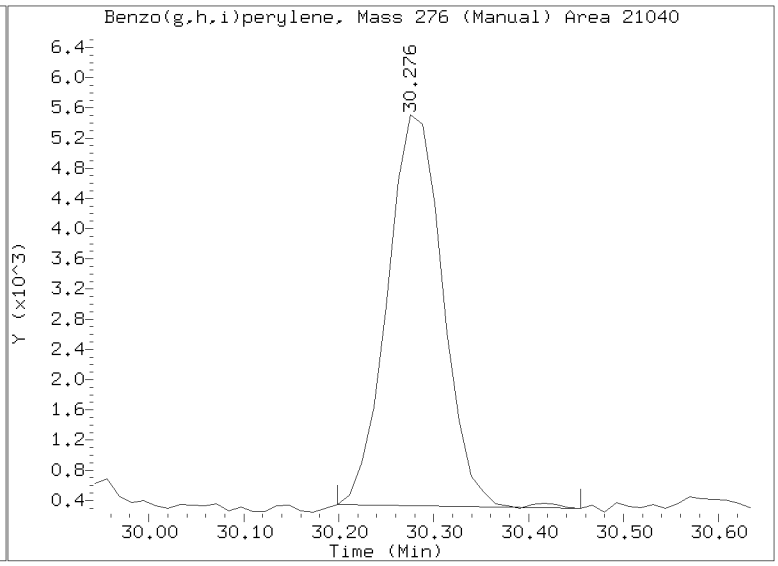
On Column LOD for nt17.i, ABN.m, ICAL.sub = 0.0000

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

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230811.b/NT1708112318.D
Injection Date: 11-AUG-2023 22:49
Lab ID:23H0221-02 Client ID:
Report Date: 08/17/2023 10:32





PREPARATION BATCH SUMMARY

EPA 8270E

Laboratory: Analytical Resources, LLC
SDG: 23H0221
Client: Anchor QEA, LLC
Project: AOC5 MR Phase 1
Batch: BLH0180 Batch Matrix: Solid
Preparation: EPA 3546 (Microwave)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW23-SS1233	23H0221-01	NT1708112317.D	08/08/23 09:17	
LDW23-SS1068	23H0221-02	NT1708112318.D	08/08/23 09:17	
Blank	BLH0180-BLK1	NT1708112312.D	08/08/23 09:17	
LCS	BLH0180-BS1	NT1708112313.D	08/08/23 09:17	
LCS Dup	BLH0180-BSD1	NT1708112314.D	08/08/23 09:17	
LDW23-SS1068	BLH0180-MS1	NT1708112315.D	08/08/23 09:17	
LDW23-SS1068	BLH0180-MSD1	NT1708112316.D	08/08/23 09:17	

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BLH0180 RE

Prepared using: EPA 3546 (Microwave)

8270E-SIM Dual Scan SVOC in Solid (Version:AOC4 List)

Matrix: Solid **Date Prepared:** 08/08/23 **Balance ID:** B1464628614 **Set Up By:** CTO 8/7/23

From BLD0571 on 8/7/2023 by CTO

WO Comments

23D0393: <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM K000591, SIM PAH RM I009127 PCB RM J006840-43, 7935-36,K011477-79, MS/MSD </E>
<H>BPR L001273-1275, Dup </H> Store in freezer (except GS)

The following standards may be missing from this batch!

Designator	Description
PSDDA	Virtual Spike
QLS 14	QLS Spike (Freezer)
QLS 25	SIM QLS Spike (Freezer)

Analysis: 8270E-SIM Dual Scan SVOC

Lab Number & Container	% Solids	Initial (g) Target Dry: 10 (Wet) Actual	(REQ) GPC C/U (1:1) 1 2 3	Water Wash 1mL	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
BLH0180 23H0221-01 B 01 DUAL SCAN	86.5	(11.57) 11.61	(1:1)	1mL	1 ____	0.5 ____	From BLD0571 by CTO on 07-Aug-2023
BLH0180 23H0221-02 A B 01 DUAL SCAN	79.2	(12.63) 12.63	(1:1)	1mL	1 ____	0.5 ____	From BLD0571 by CTO on 07-Aug-2023

Batch QC

Lab Number	% Solids	Initial (g) Target Dry: 10 (Wet) Actual	(REQ) GPC C/U (1:1) 1 2 3	Water Wash 1mL	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
BLH0180-BLK1	100.0	(10.00) 10.00	(1:1)	1mL	1 ____	0.5 ____	Use 5g Neutral Sodium Sulfate
BLH0180-BS1	100.0	(10.00) 10.00	(1:1)	1mL	1 ____	0.5 ____	Use 5g Neutral Sodium Sulfate
BLH0180-BSD1	100.0	(10.00) 10.00	(1:1)	1mL	1 ____	0.5 ____	Use 5g Neutral Sodium Sulfate
BLH0180-MS1	79.2	() (12.63) 12.63	(1:1)	1mL	1 ____	0.5 ____	Use 23D0393-17RE1
BLH0180-MSD1	79.2	() (12.63) 12.63	(1:1)	1mL	1 ____	0.5 ____	Use 23D0393-17RE1

Client ID verified By	Date	Preparation Reviewed By	Date	Extraction Date and Time
	08/08/23	Mcrs	8/10/23	08/08/23 09:17

Printed: 8/7/2023 1:23:51PM

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BLH0180

Prepared using: EPA 3546 (Microwave)

8270E-SIM Dual Scan SVOC in Solid (Version:AOC4 List)

WO Comments

23D0393: <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM K000591, SIM PAH RM I009127 PCB RM J006840-43, 7935-36,K011477-79, MS/MSD </E>
<H>BPR L001273-1275, Dup </H> Store in freezer (except GS)

Prep Steps

Microwave
1 2 3
Analyst/Date: 08/08/23

KD 100°C
1 2 3 4 5 6
Analyst/Date: GL 8/8/23

TurboVap
1 2 3 (4) 5
Analyst/Date: MRS 8/9/23

GPC Prep Filter (1:1)
Analyst/Date: MRS 8/9/23

Post GPC KD 80 - 85°C
(1) (2) 3 4 5 6
Analyst/Date: LN 08/10/23

TurboVap
1 2 3 (4) 5
Analyst/Date: MRS 8/10/23

Water Wash
Analyst/Date: MRS 8/10/23

Vialing
Analyst/Date: MRS 8/10/23

Reagents Used

Station/Reagent	Standard ID
Microwave Analyst: RT Date:	08/08/23
Anhydrous Sodium Sulfate	L008431
Pre-Deactivated Glasswool	L008024
1:1 Methylene Chloride/Acetone	L008532
Methylene Chloride	L007685
Pre GPC KD Analyst: GL Date:	8/8/23
Pre-Deactivated Glasswool	
Anhydrous Sodium Sulfate	
Methylene Chloride	L007885
Hexane	L006866
GPC Filter Prep Analyst: MRS Date:	8/9/23
Methylene Chloride	L007885
GPC Filter	MRS 8/9/23 CL130132 L007599
GPC Analyst: MRS Date:	8/9/23
Methylene Chloride	L007885
GPC Calibration File	CL130132
Post GPC KD Analyst: LN Date:	08/10/23
Methylene Chloride	L007885
Vialing Analyst: MRS Date:	8/10/23
Methylene Chloride	L007885

Surrogates & Spike Standards Used

Type	Vial ID / Standard ID	Vol uL	Analyst	Witness
Surrogate 100/150µg/mL	A 5/31/24 L001153 L008210 Exp Date:	50µL	RT	Y
Full List Spike (Freezer) 100µg/mL	7 L008425 (V) Exp L008216 Date: 3/31/2024	50µL	RT	Y
Base Spike 200µg/mL	56 L008425 (V) Exp L008177 Date: 3/20/2023	50µL	RT	Y
Acid Spike 100/150µg/mL	38 L008425 (V) Exp L008179 Date: 3/20/2023	50µL	RT	Y

MANUALLY ENTER EXPIRATION DATES!

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

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

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BLH0180

Prepared using: EPA 3546 (Microwave)

8270E-SIM Dual Scan SVOC in Solid (Version:AOC4 List)

WO Comments

23D0393: <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM K000591, SIM PAH RM I009127 PCB RM J006840-43, 7935-36,K011477-79, MS/MSD </E>
<H>BPR L001273-1275, Dup </H> Store in freezer (except GS)

Prep Instructions	
SPECIAL INSTRUCTIONS: 1. Weigh into beakers-lightly dry with Sodium Sulfate. 2. Transfer to microwave vessel. Note: do not fill vessel more than 2/3rd full. Some samples may require two vessels). 3. Add DCM ONLY to the vessels (until solvent is 3" above soil layer after homogenization). 4. Add surr/spike. 5. Microwave on appropriate power setting determined by # of samples. 6. After microwave-re-homogenize while hot-then let cool 15 min minimum in cold water. Re-homogenize while cool. 7. Decant DCM into Erlenmeyer flask with a funnel containing pre-deactivated glasswool. 8. Rinse with DCM. 9. Microwave a 2nd time using 1:1 DCM/ACE only (until solvent is 3" above soil layer after homogenization). 10. Let cool and decant solvent then empty the soil into the funnel and rinse with DCM. 11. KD Add 10 mL Hexane directly to extract in the KD. 12. GPC REQ = 100°C water bath (CLP). KD to 5 mL. Transfer to TurboTube in DCM. 13. (After GPC): KD at 80°C. 14. TurboVap. 15. Vial in DCM. 16. Water Wash Required 17. 0.5mL (1:2) Split to Lab. A. Need Total Solids Y / N B. Archive/Freeze Y / N	

Analytical Resources, ~~Incorporated~~ LLC
Analytical Chemists and Consultants

Organic Extractions Laboratory Analyst Notes

Extraction Parameter: SVOA Batch Number: BLH2150 EE

Element Batch:T/S RE Work Order(s): 23D0393

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

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Cleanup Batch:	CLH0079	Cleanup Type:	GPC
Cleanup Method:	EPA 3640A GPC Cleanup 1:1	Analysis:	EPA 8270E

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Matrix Spike Dup	BLH0180-MSD1	NT1708112316.D	08/10/2023	
Matrix Spike	BLH0180-MS1	NT1708112315.D	08/10/2023	
LCS Dup	BLH0180-BSD1	NT1708112314.D	08/10/2023	
Blank	BLH0180-BLK1	NT1708112312.D	08/10/2023	
LDW23-SS1068	23H0221-02	NT1708112318.D	08/10/2023	
LDW23-SS1233	23H0221-01	NT1708112317.D	08/10/2023	
LCS	BLH0180-BS1	NT1708112313.D	08/10/2023	

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CLEANUP BENCH SHEET

CLH0079

Matrix: Solid **Cleanup using: Organics - EPA 3640A GPC Cleanup 1:1** **Check Standard: CLC0092-GPC1** **Printed: 8/10/2023 3:58:34PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
23H0221-01	B	LDW23-SS1233	B 01	1	1	8270E-SIM Dual Scan SVOC	8/10/2023	NRB	
23H0221-01	B	LDW23-SS1233	B 01	1	1	SVOC (20ug/kg solid or 0.2ug/L low H2	8/10/2023	NRB	
23H0221-02	B	LDW23-SS1068	B 01	1	1	8270E-SIM Dual Scan SVOC	8/10/2023	NRB	
23H0221-02	B	LDW23-SS1068	B 01	1	1	SVOC (20ug/kg solid or 0.2ug/L low H2	8/10/2023	NRB	
BLH0180-BLK1	-	Blank	-	1	1	-	8/10/2023	NRB	
BLH0180-BS1	-	LCS	-	1	1	-	8/10/2023	NRB	
BLH0180-BSD1	-	LCS Dup	-	1	1	-	8/10/2023	NRB	
BLH0180-MS1	-	Matrix Spike	-	1	1	-	8/10/2023	NRB	
BLH0180-MSD1	-	Matrix Spike Dup	-	1	1	-	8/10/2023	NRB	

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Form I

METHOD BLANK DATA SHEET

EPA 8270E

Blank

Laboratory:	Analytical Resources, LLC			SDG:	23H0221
Client:	Anchor QEA, LLC			Project:	AOC5 MR Phase 1
Matrix:	Solid	Laboratory ID:	BLH0180-BLK1	File ID:	NT1708112312.D
Sampled:	N/A	Prepared:	08/08/23 09:17	Analyzed:	08/11/23 19:06
Solids:		Preparation:	EPA 3546 (Microwave)	Initial/Final:	10 g / 1 mL
Batch:	BLH0180	Sequence:	SLH0241	Calibration:	GH00044
Instrument:	NT17	Column:	ZB-5MS	Cleanups:	GPC

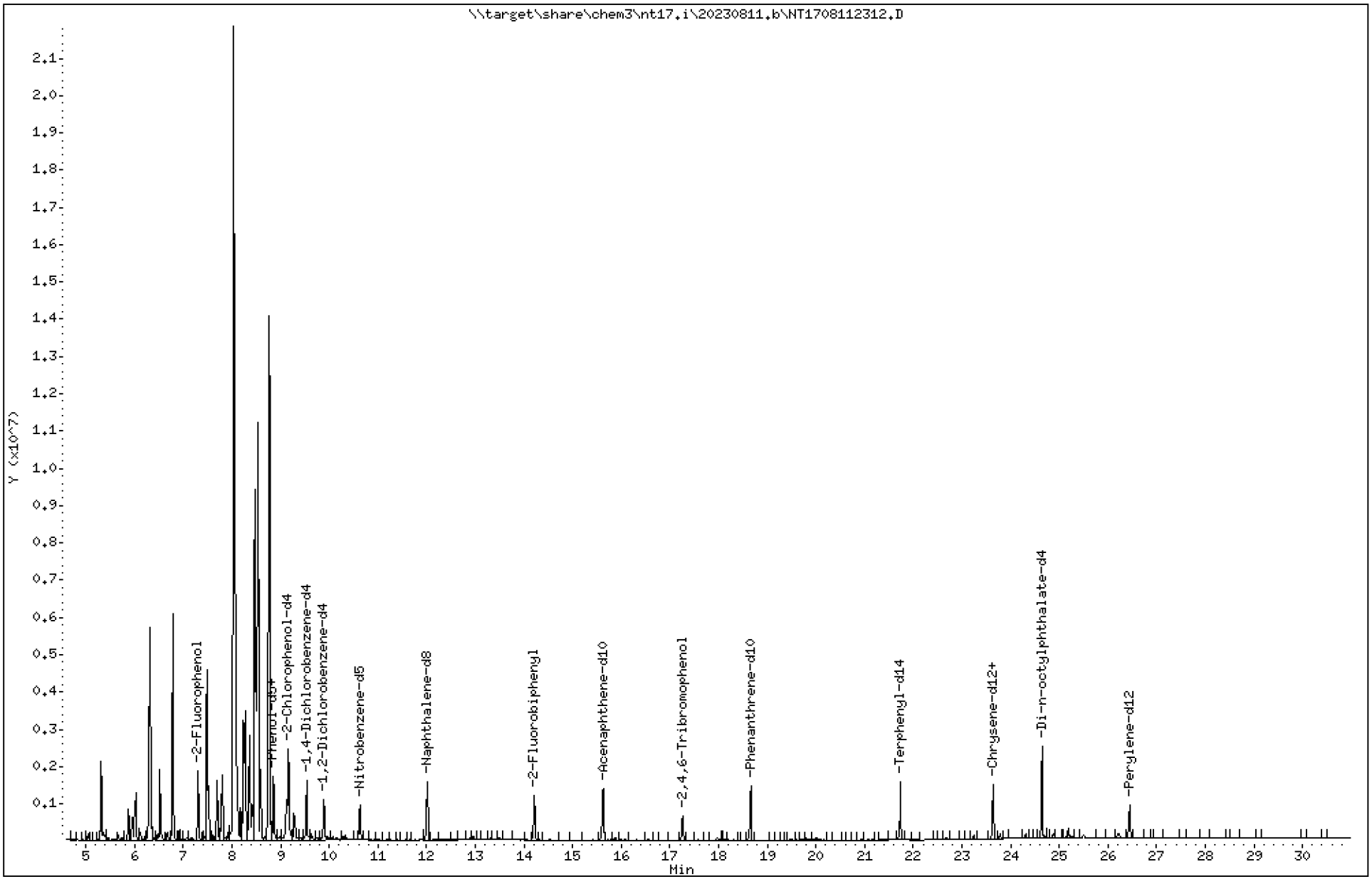
CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg wet)	Q	DL	RL
108-95-2	Phenol	1	7.3	J	4.4	20.0
106-44-5	4-Methylphenol	1	20.0	U	7.4	20.0
91-20-3	Naphthalene	1	20.0	U	4.2	20.0
91-57-6	2-Methylnaphthalene	1	20.0	U	4.5	20.0
208-96-8	Acenaphthylene	1	20.0	U	6.2	20.0
131-11-3	Dimethylphthalate	1	20.0	U	4.4	20.0
83-32-9	Acenaphthene	1	20.0	U	5.2	20.0
132-64-9	Dibenzofuran	1	20.0	U	14.1	20.0
86-73-7	Fluorene	1	20.0	U	14.6	20.0
85-01-8	Phenanthrene	1	20.0	U	8.7	20.0
120-12-7	Anthracene	1	20.0	U	7.2	20.0
206-44-0	Fluoranthene	1	20.0	U	6.1	20.0
129-00-0	Pyrene	1	20.0	U	5.7	20.0
85-68-7	Butylbenzylphthalate	1	20.0	U	9.4	20.0
56-55-3	Benzo(a)anthracene	1	20.0	U	6.0	20.0
218-01-9	Chrysene	1	20.0	U	6.1	20.0
117-81-7	bis(2-Ethylhexyl)phthalate	1	50.0	U	14.1	50.0
	Benzofluoranthenes, Total	1	40.0	U	21.0	40.0
50-32-8	Benzo(a)pyrene	1	20.0	U	4.2	20.0
193-39-5	Indeno(1,2,3-cd)pyrene	1	20.0	U	14.7	20.0
53-70-3	Dibenzo(a,h)anthracene	1	20.0	U	17.2	20.0
191-24-2	Benzo(g,h,i)perylene	1	20.0	U	13.6	20.0

SURROGATES	ADDED (ug/mL)	CONC. (ug/mL)	% REC	QC LIMITS	Q
2-Fluorophenol	7.5000	4.06	54.1	27 - 120	
Phenol-d5	7.5000	3.88	51.7	29 - 120	
2-Chlorophenol-d4	7.5000	4.04	53.8	31 - 120	
1,2-Dichlorobenzene-d4	5.0000	2.64	52.7	32 - 120	
Nitrobenzene-d5	5.0000	3.05	61.0	30 - 120	
2-Fluorobiphenyl	5.0000	2.73	54.7	35 - 120	
2,4,6-Tribromophenol	7.5000	3.88	51.7	24 - 134	
p-Terphenyl-d14	5.0000	3.53	70.6	37 - 120	

Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112312.D
Date : 11-AUG-2023 19:06
Client ID:
Sample Info: BLH0180-BLK1

Instrument: nt17.i
Operator: JGR
Column diameter: 0.25

Column phase: ZB-5msi



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Date : 11-AUG-2023 19:06

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BLK1

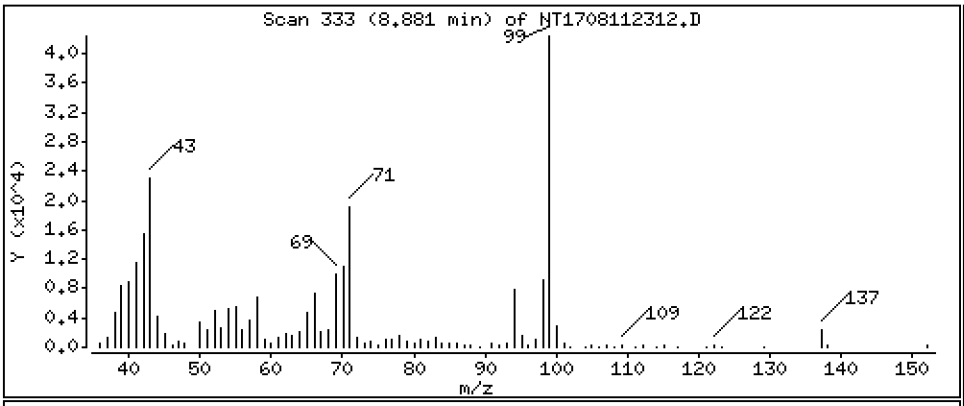
Operator: JGR

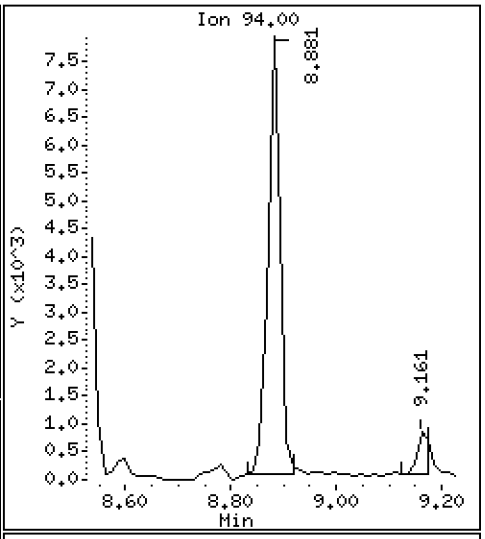
Column phase: ZB-5msi

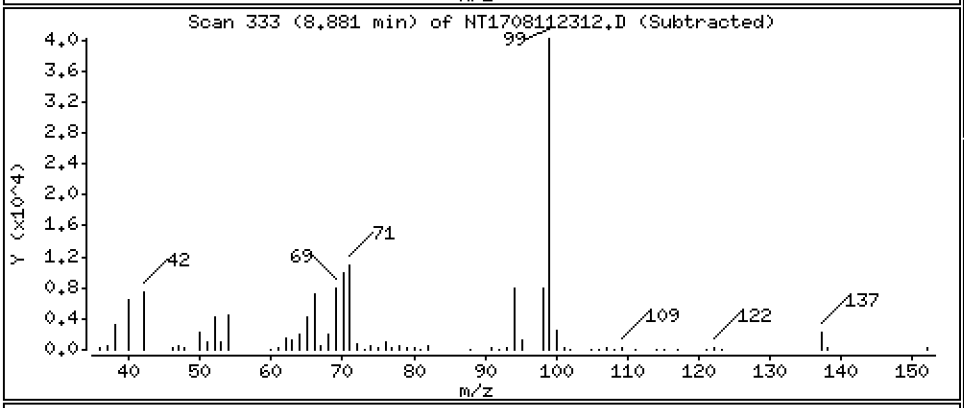
Column diameter: 0.25

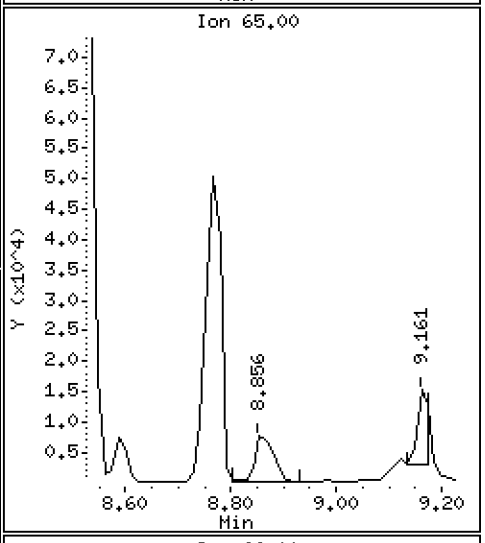
3 Phenol

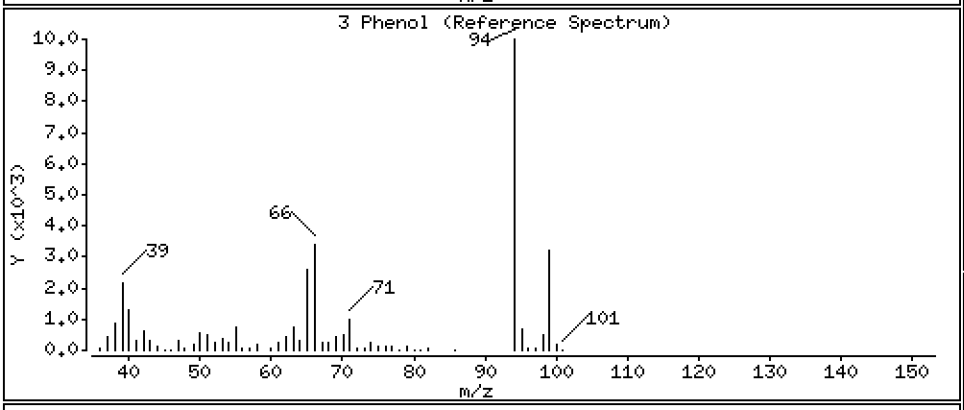
Concentration: 0.07288 ug/mL

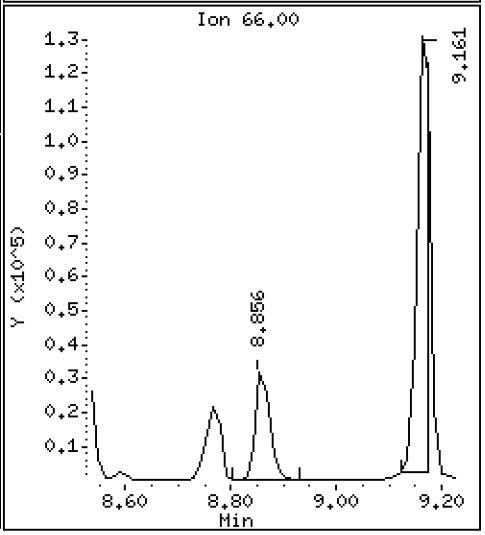


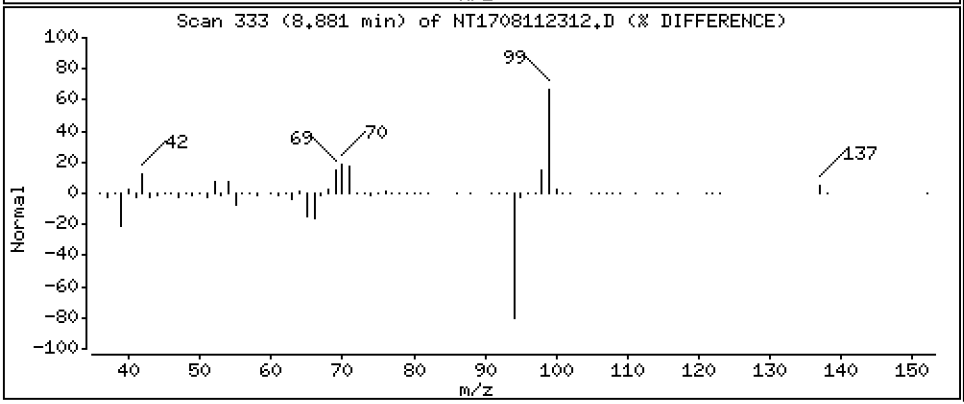












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Date : 11-AUG-2023 19:06

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BLK1

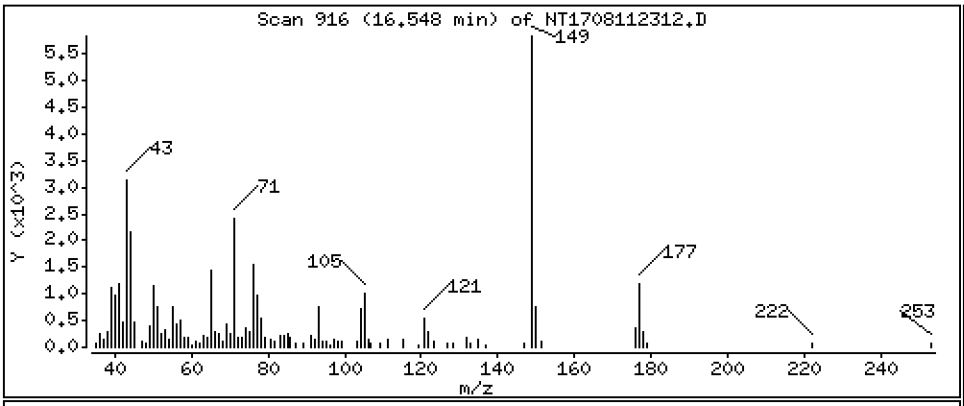
Operator: JGR

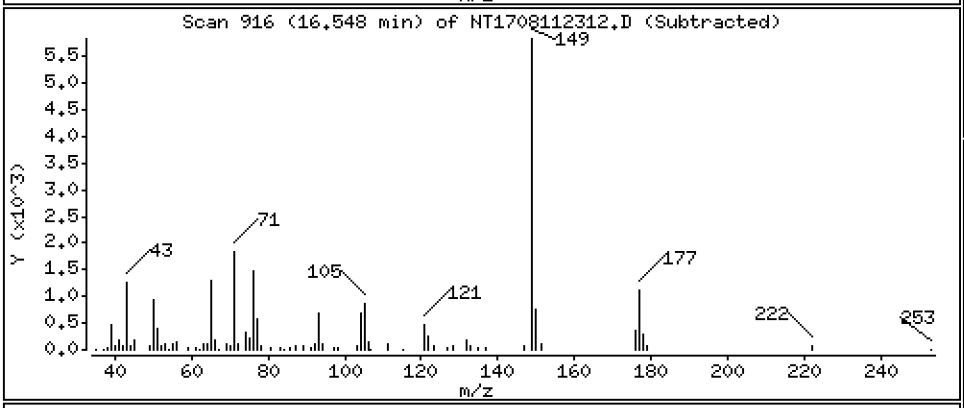
Column phase: ZB-5msi

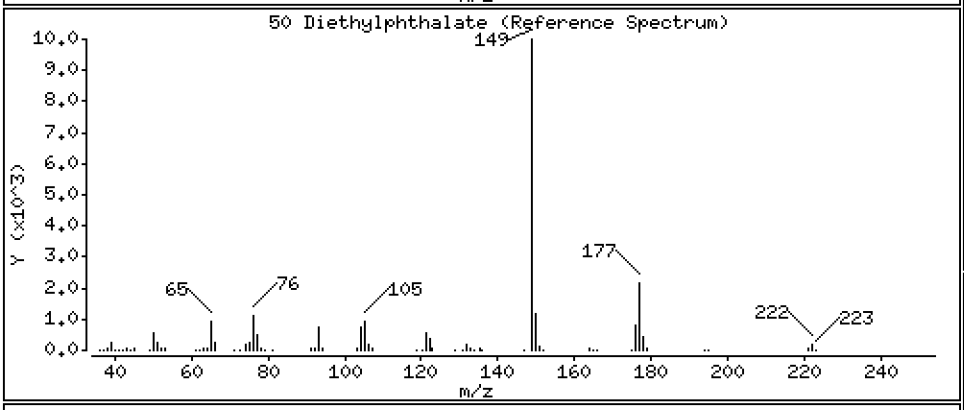
Column diameter: 0.25

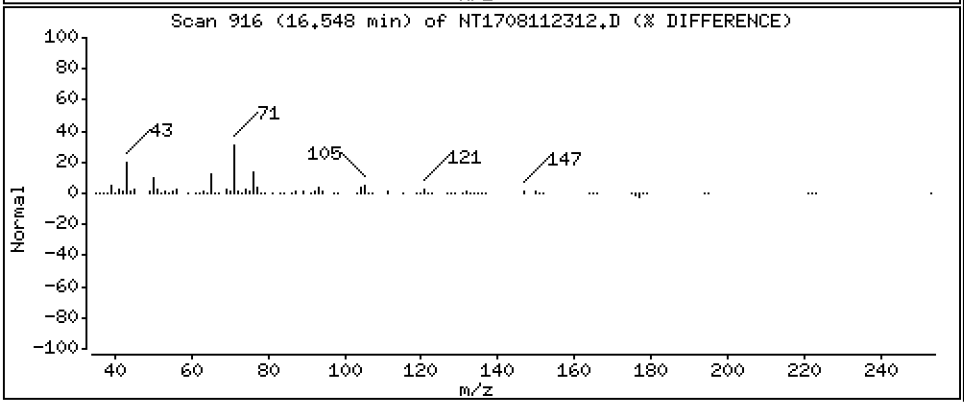
50 Diethylphthalate

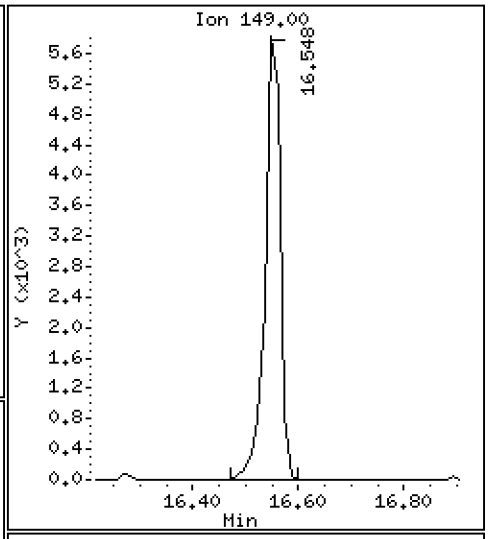
Concentration: 0.05104 ug/mL

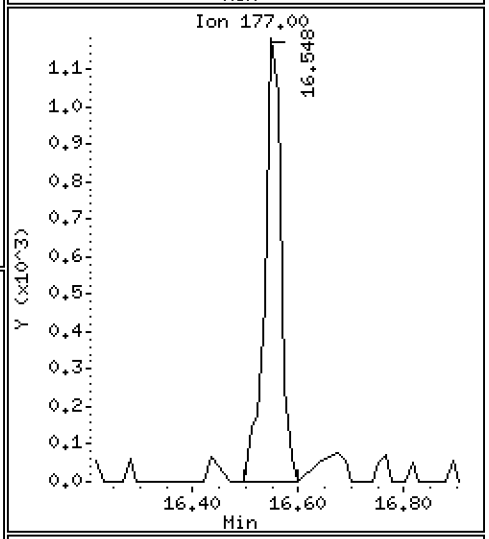


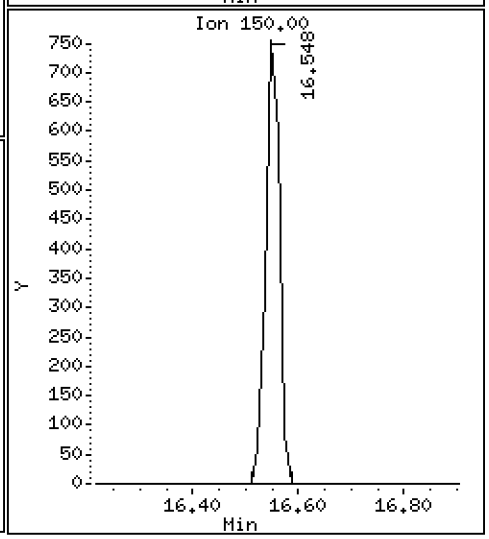












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Date : 11-AUG-2023 19:06

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BLK1

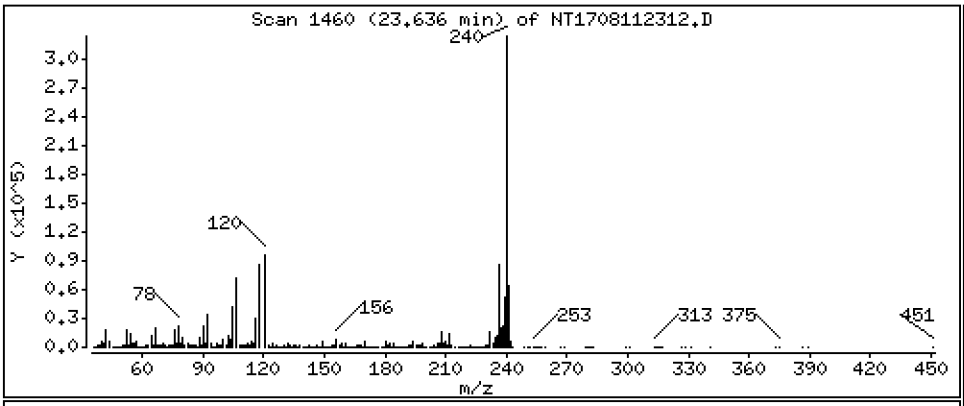
Operator: JGR

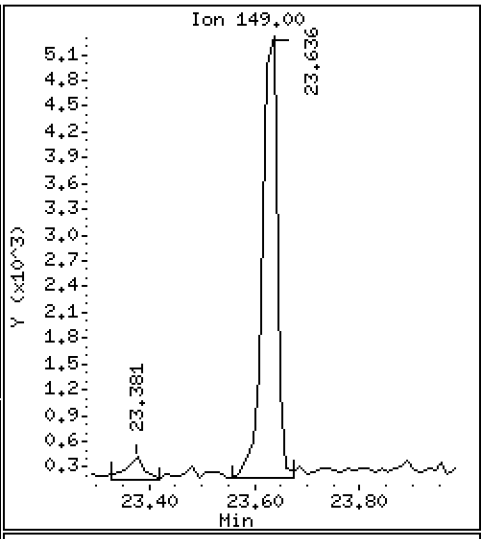
Column phase: ZB-5msi

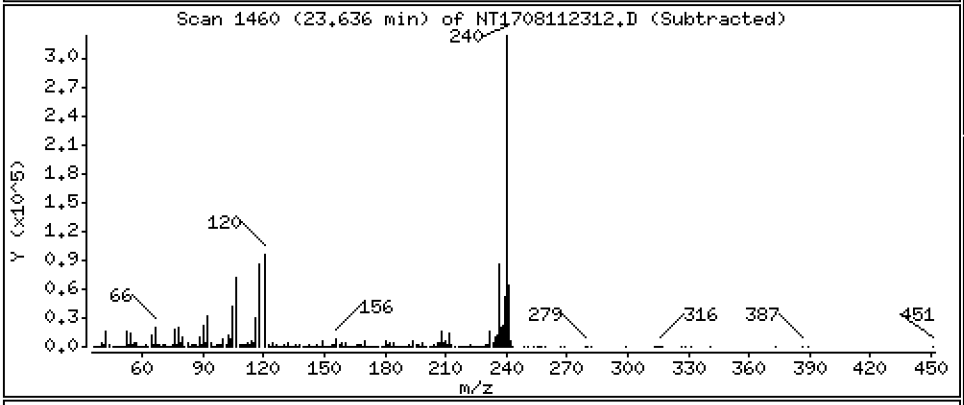
Column diameter: 0.25

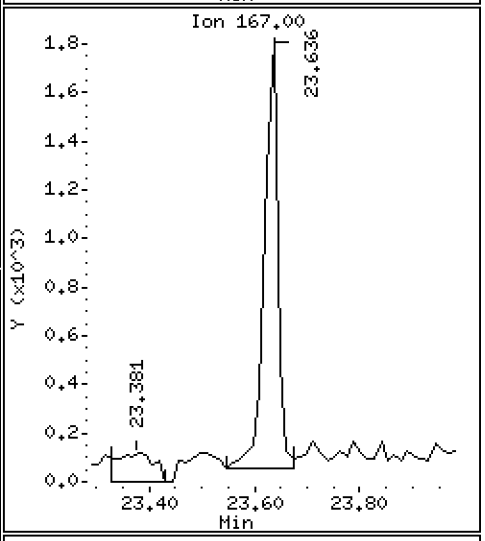
72 bis(2-Ethylhexyl)phthalate

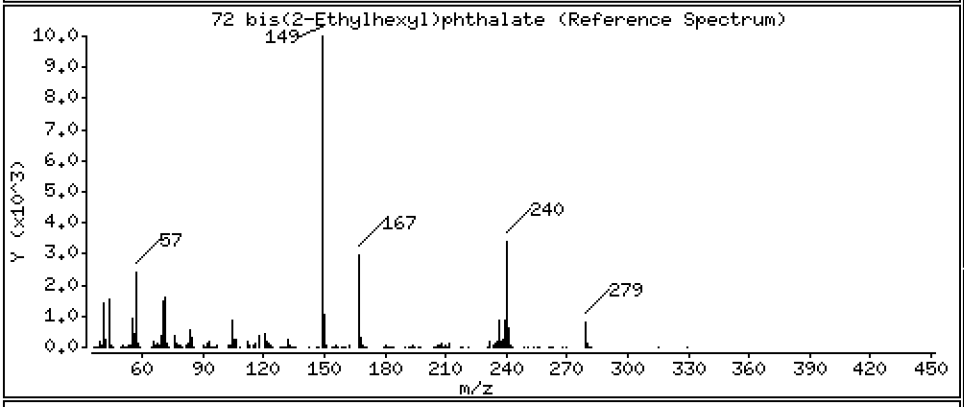
Concentration: 0.04511 ug/mL

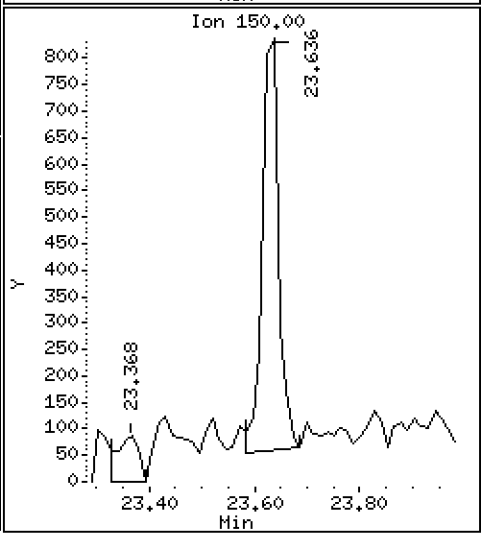


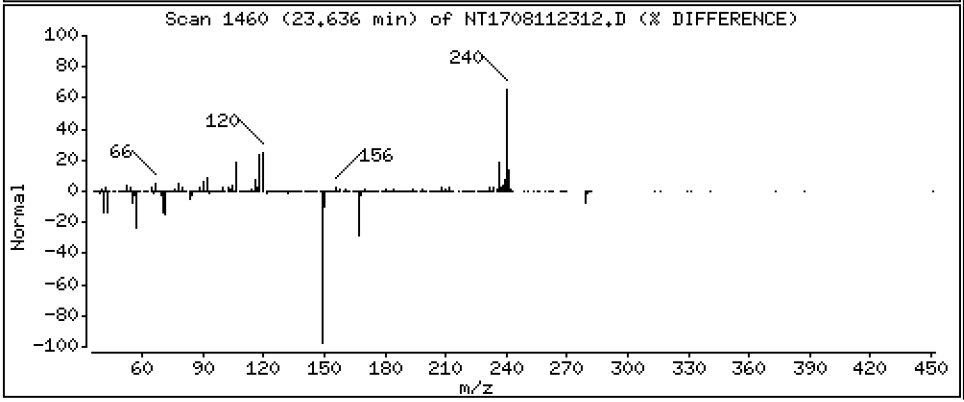












ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt17.i\20230811.b\NT1708112312.D
Lab Smp Id: BLH0180-BLK1
Inj Date : 11-AUG-2023 19:06
Operator : JGR Inst ID: nt17.i
Smp Info : BLH0180-BLK1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt17.i\20230811.b\ABN.m
Meth Date : 17-Aug-2023 10:28 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:16 Cal File: NT1708102308.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$ 1	2-Fluorophenol	112	7.301	7.301	(0.766)	485197	4.05876	4.059
$ 2	Phenol-d5	99	8.855	8.868	(0.929)	659612	3.87528	3.875
3	Phenol	94	8.881	8.880	(0.932)	12852	0.07288	0.07288
$ 5	2-Chlorophenol-d4	132	9.173	9.173	(0.963)	427856	4.03712	4.037
4	Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6	2-Chlorophenol	128	Compound Not Detected.					
7	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8	1,4-Dichlorobenzene-d4	152	9.531	9.531	(1.000)	264338	4.00000	
9	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10	1,2-Dichlorobenzene-d4	152	9.888	9.901	(1.038)	173965	2.63647	2.636
12	1,2-Dichlorobenzene	146	Compound Not Detected.					
11	Benzyl alcohol	108	Compound Not Detected.					
14	2,2'-oxybis(1-Chloropropane)	121	Compound Not Detected.					
13	2-Methylphenol	108	Compound Not Detected.					
17	Hexachloroethane	117	Compound Not Detected.					
16	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
15	4-Methylphenol	108	Compound Not Detected.					
$ 18	Nitrobenzene-d5	82	10.629	10.629	(0.885)	544871	3.05227	3.052
19	Nitrobenzene	77	Compound Not Detected.					
20	Isophorone	82	Compound Not Detected.					
21	2-Nitrophenol	139	Compound Not Detected.					
22	2,4-Dimethylphenol	107	Compound Not Detected.					
23	Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
24	Benzoic acid	105	Compound Not Detected.					
25	2,4-Dichlorophenol	162	Compound Not Detected.					
26	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
* 27	Naphthalene-d8	136	12.008	12.021	(1.000)	1148498	4.00000	
28	Naphthalene	128	Compound Not Detected.					
29	4-Chloroaniline	127	Compound Not Detected.					
30	Hexachlorobutadiene	225	Compound Not Detected.					
31	4-Chloro-3-methylphenol	107	Compound Not Detected.					
32	2-Methylnaphthalene	142	Compound Not Detected.					
33	Hexachlorocyclopentadiene	237	Compound Not Detected.					

		QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	14.214	14.227	(0.909)	521391	2.73444	2.734
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	15.630	15.630	(1.000)	515576	4.00000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	16.547	16.560	(1.059)	11789	0.05104	0.05104
	49 Fluorene	166	Compound Not Detected.					
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	17.260	17.260	(1.104)	60469	3.87509	3.875
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	18.662	18.662	(1.000)	838823	4.00000	
	60 Phenanthrene	178	Compound Not Detected.					
	61 Anthracene	178	Compound Not Detected.					
	62 Carbazole	167	Compound Not Detected.					
	63 Di-n-butylphthalate	149	Compound Not Detected.					
	64 Fluoranthene	202	Compound Not Detected.					
	65 Pyrene	202	Compound Not Detected.					
$	66 Terphenyl-d14	244	21.735	21.735	(0.920)	579656	3.52898	3.529
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	23.636	23.648	(1.000)	543465	4.00000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	Compound Not Detected.					
	72 bis(2-Ethylhexyl)phthalate	149	23.636	23.636	(0.959)	10023	0.04511	0.04511
*	134 Di-n-octylphthalate-d4	153	24.644	24.643	(1.000)	1350252	4.00000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	Compound Not Detected.					
	75 Benzo(k)fluoranthene	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	26.442	26.455	(1.000)	520688	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	Compound Not Detected.					
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					
	91 Aniline	93	Compound Not Detected.					
	93 Benzidine	184	Compound Not Detected.					
	103 Pyridine	79	Compound Not Detected.					
	105 1-methylnaphthalene	142	Compound Not Detected.					
	111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

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

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708112312.D
Lab Smp Id: BLH0180-BLK1
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230811.b\ABN.m
Misc Info:

Calibration Date: 11-AUG-2023
Calibration Time: 12:50
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	243724	121862	487448	264338	8.46
27 Naphthalene-d8	1014927	507464	2029854	1148498	13.16
42 Acenaphthene-d10	473303	236652	946606	515576	8.93
59 Phenanthrene-d10	780320	390160	1560640	838823	7.50
69 Chrysene-d12	509205	254603	1018410	543465	6.73
134 Di-n-octylphthala	1278671	639336	2557342	1350252	5.60
77 Perylene-d12	502984	251492	1005968	520688	3.52

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.53	9.03	10.03	9.53	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.01	-0.11
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.66	0.00
69 Chrysene-d12	23.65	23.15	24.15	23.64	-0.05
134 Di-n-octylphthala	24.64	24.14	25.14	24.64	0.00
77 Perylene-d12	26.46	25.96	26.96	26.44	-0.05

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

REVIEW SUMMARY FOR FILE - NT1708112312.D

Lab ID: BLH0180-BLK1
nt17.i, ABN.m, 11-AUG-2023 19:06

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND

NONE

RRT check based on Ccal File: NT1708112302.D

On Column LOD for nt17.i, ABN.m, ICAL.sub = 0.0000

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

LCS / LCS DUPLICATE RECOVERY

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Matrix:	Solid	Analyzed:	08/11/23 19:43
Batch:	BLH0180	Laboratory ID:	BLH0180-BS1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	LCS
Initial/Final:	10 g / 1 mL		

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	Q	LCS % REC. #	QC LIMITS REC.
Phenol	500.00	346		69.3	34 - 120
4-Methylphenol	500.00	327		65.3	29 - 120
Naphthalene	500.00	349		69.8	43 - 120
2-Methylnaphthalene	500.00	329		65.8	43 - 120
Acenaphthylene	500.00	367		73.4	42 - 120
Dimethylphthalate	500.00	404		80.7	43 - 120
Acenaphthene	500.00	370		73.9	45 - 120
Dibenzofuran	500.00	357		71.5	43 - 120
Fluorene	500.00	369		73.9	45 - 120
Phenanthrene	500.00	382		76.4	49 - 120
Anthracene	500.00	400		79.9	45 - 120
Fluoranthene	500.00	441		88.2	53 - 145
Pyrene	500.00	423		84.5	52 - 134
Butylbenzylphthalate	500.00	406		81.1	45 - 132
Benzo(a)anthracene	500.00	402		80.3	49 - 120
Chrysene	500.00	408		81.6	47 - 120
bis(2-Ethylhexyl)phthalate	500.00	388		77.6	34 - 130
Benzofluoranthenes, Total	1000.0	809		80.9	30 - 160
Benzo(a)pyrene	500.00	354		70.9	42 - 120
Indeno(1,2,3-cd)pyrene	500.00	345		69.0	42 - 163
Dibenzo(a,h)anthracene	500.00	330		66.0	30 - 133
Benzo(g,h,i)perylene	500.00	413		82.5	46 - 148

* Indicates values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Matrix:	Solid	Analyzed:	08/11/23 20:20
Batch:	BLH0180	Laboratory ID:	BLH0180-BSD1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	LCS Dup
Initial/Final:	10 g / 1 mL		

COMPOUND	SPIKE ADDED (ug/kg wet)	LCSD CONCENTRATION (ug/kg wet)	Q	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	500.00	360		72.1	3.98	30	34 - 120
4-Methylphenol	500.00	332		66.4	1.60	30	29 - 120
Naphthalene	500.00	365		73.1	4.62	30	43 - 120
2-Methylnaphthalene	500.00	344		68.7	4.34	30	43 - 120
Acenaphthylene	500.00	393		78.5	6.80	30	42 - 120
Dimethylphthalate	500.00	426		85.3	5.46	30	43 - 120
Acenaphthene	500.00	395		79.0	6.63	30	45 - 120
Dibenzofuran	500.00	379		75.8	5.83	30	43 - 120
Fluorene	500.00	393		78.6	6.19	30	45 - 120
Phenanthrene	500.00	410		82.0	7.03	30	49 - 120
Anthracene	500.00	435		86.9	8.37	30	45 - 120
Fluoranthene	500.00	457		91.5	3.67	30	53 - 145
Pyrene	500.00	447		89.3	5.52	30	52 - 134
Butylbenzylphthalate	500.00	430		86.0	5.82	30	45 - 132
Benzo(a)anthracene	500.00	412		82.3	2.45	30	49 - 120
Chrysene	500.00	420		84.0	2.88	30	47 - 120
bis(2-Ethylhexyl)phthalate	500.00	409		81.8	5.34	30	34 - 130
Benzofluoranthenes, Total	1000.0	845		84.5	4.33	30	30 - 160
Benzo(a)pyrene	500.00	378		75.7	6.61	30	42 - 120
Indeno(1,2,3-cd)pyrene	500.00	362		72.4	4.71	30	42 - 163
Dibenzo(a,h)anthracene	500.00	343		68.6	3.90	30	30 - 133
Benzo(g,h,i)perylene	500.00	435		87.0	5.25	30	46 - 148

* Indicates values outside of QC limits

Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

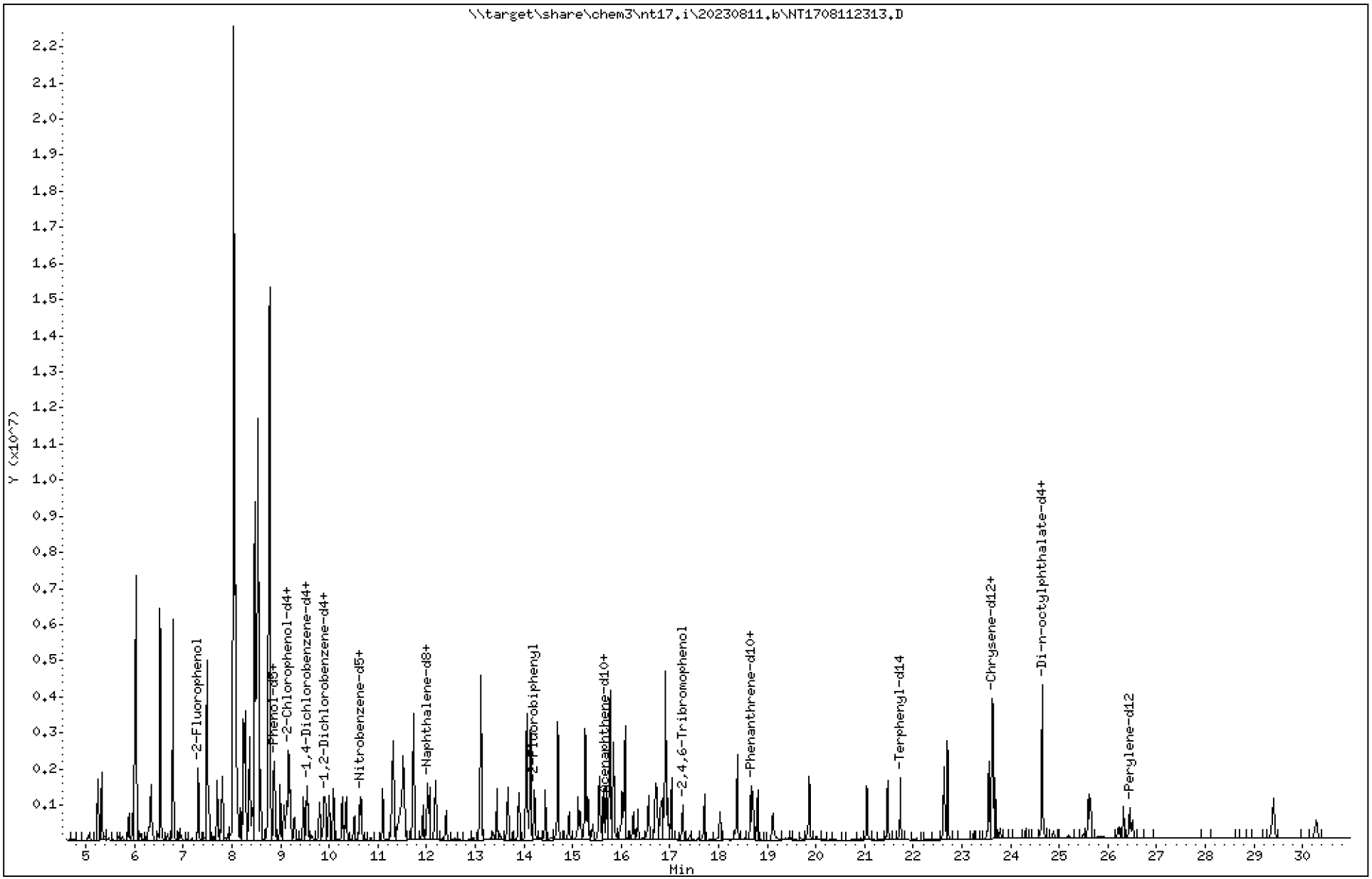
Instrument: nt17.i

Sample Info: BLH0180-BS1

Operator: JGR

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

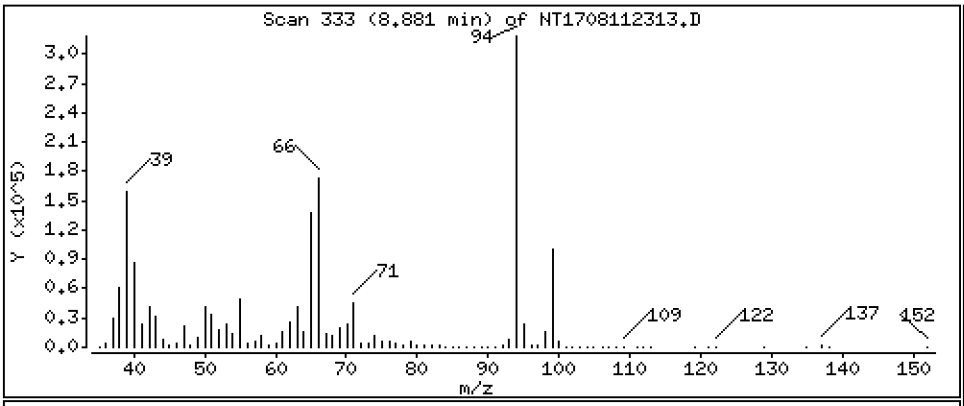
Operator: JGR

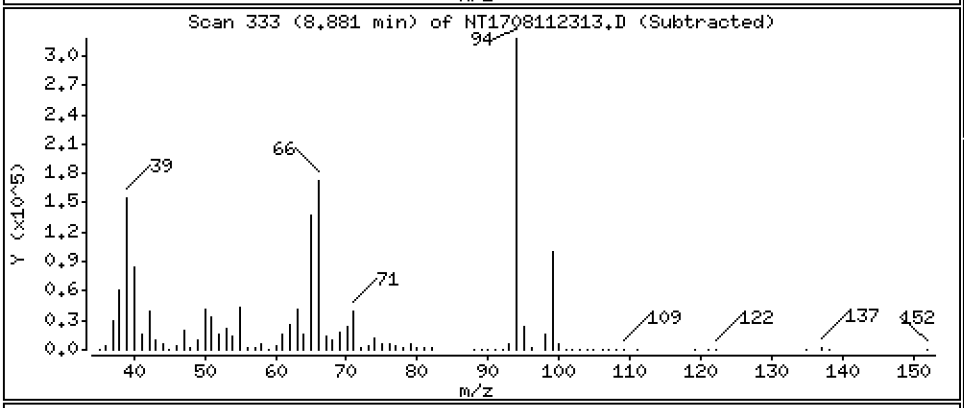
Column phase: ZB-5msi

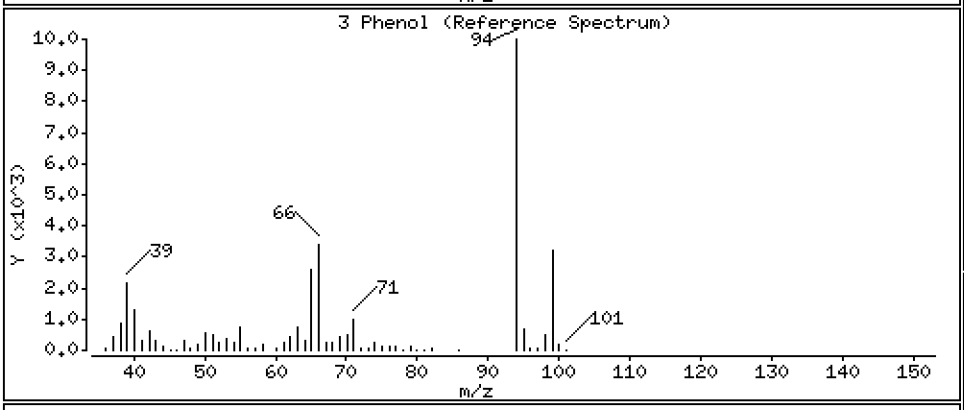
Column diameter: 0.25

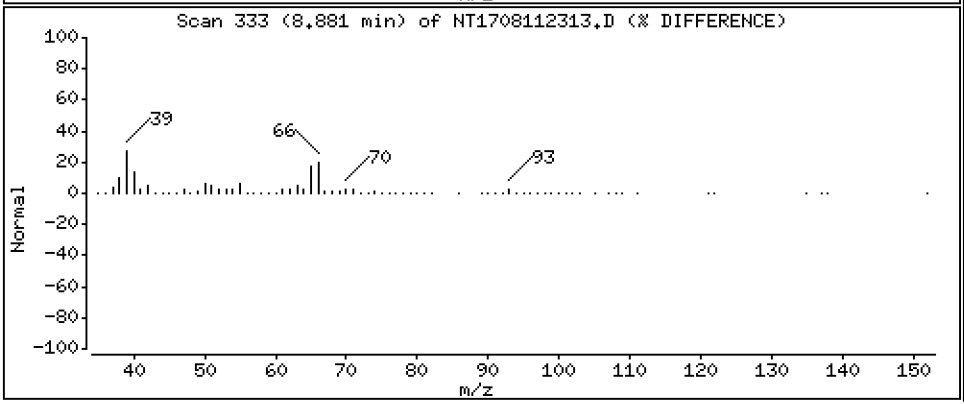
3 Phenol

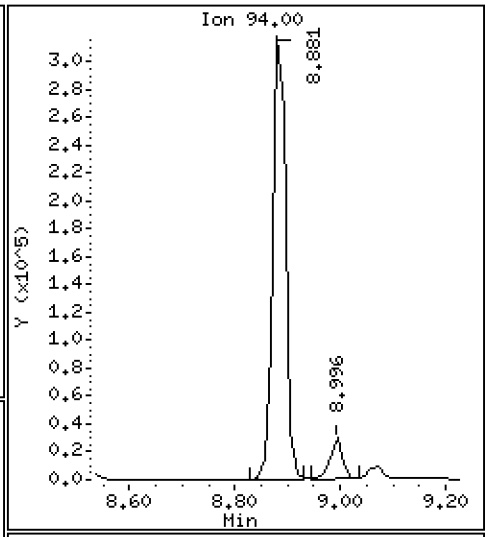
Concentration: 3.464 ug/mL

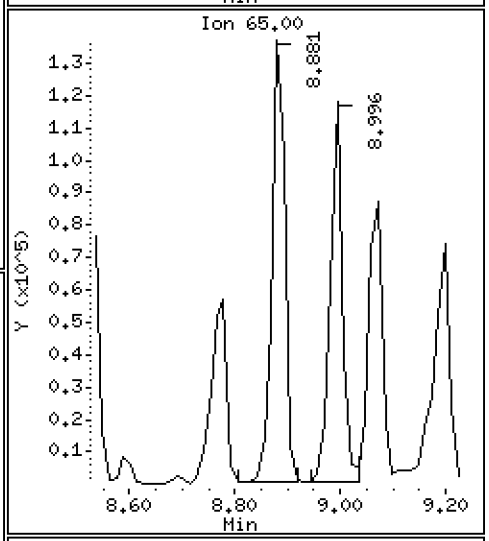


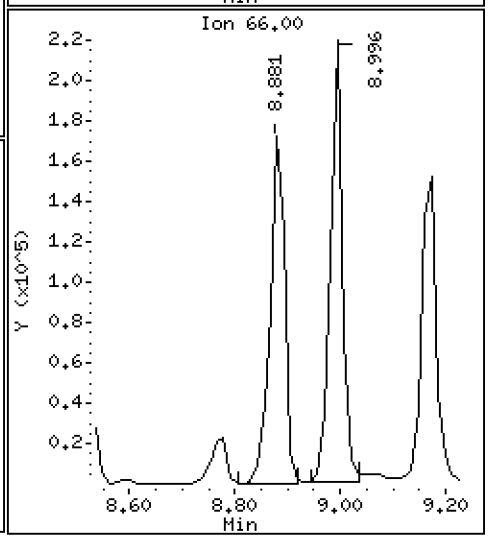












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

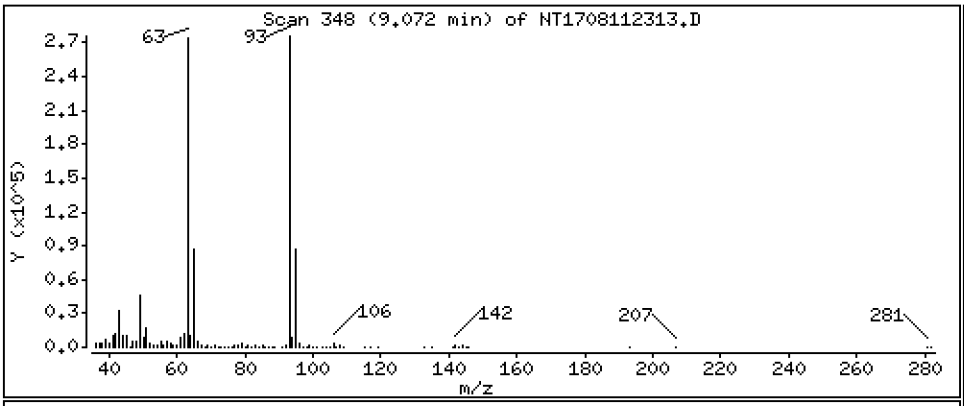
Operator: JGR

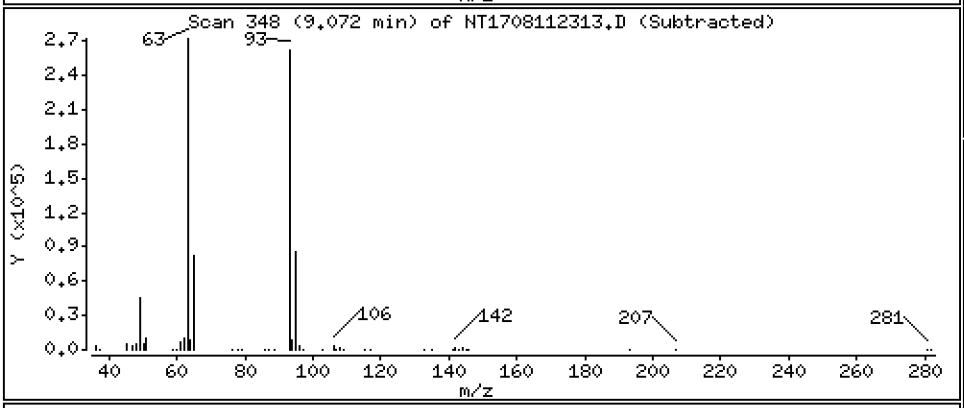
Column phase: ZB-5msi

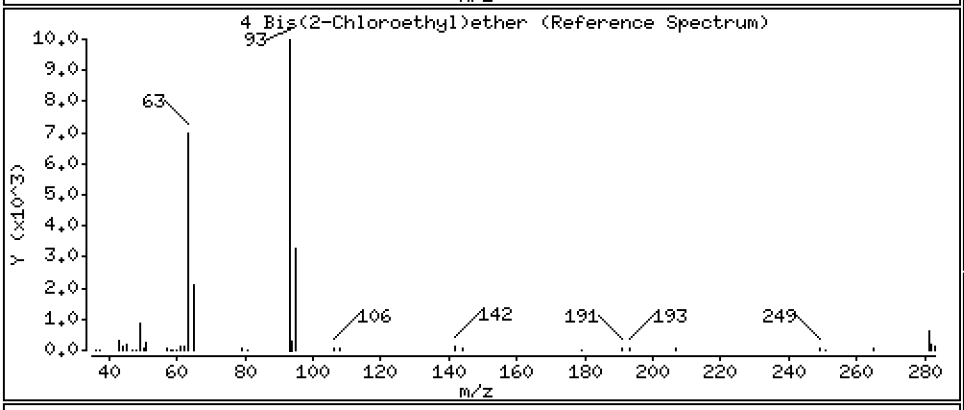
Column diameter: 0.25

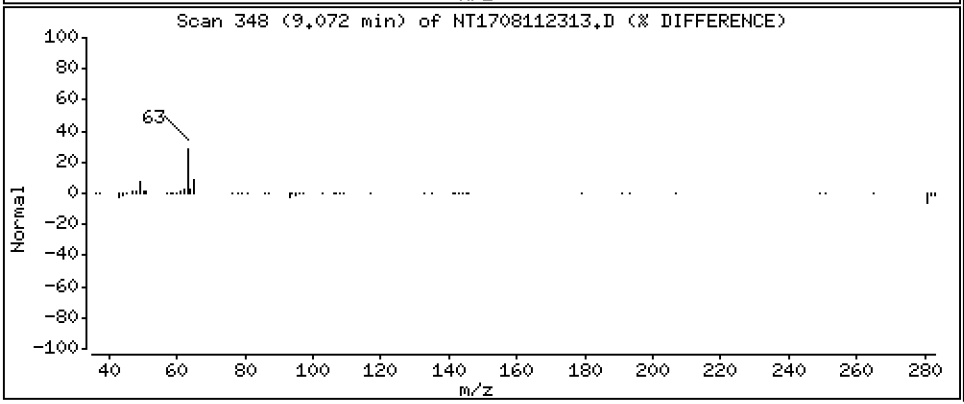
4 Bis(2-Chloroethyl)ether

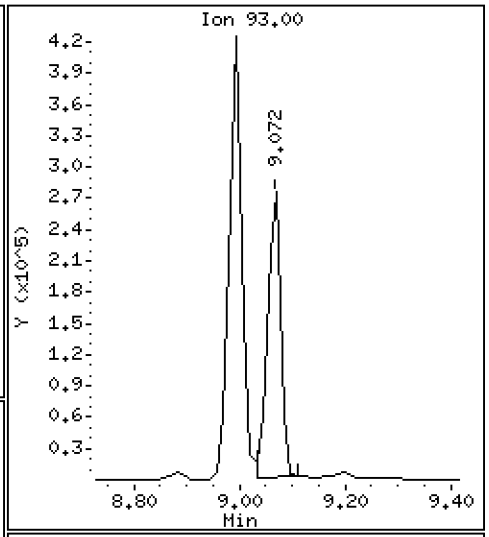
Concentration: 3.613 ug/mL

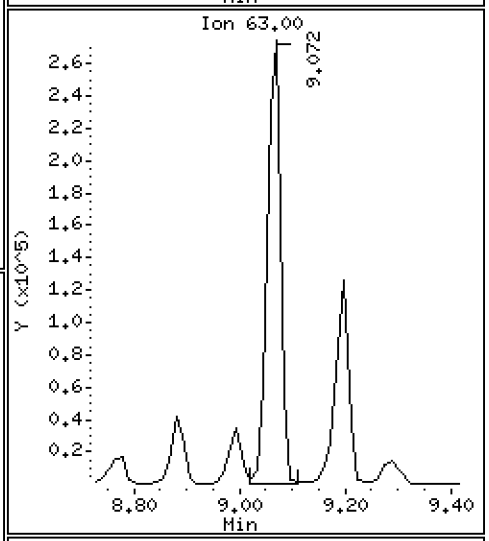


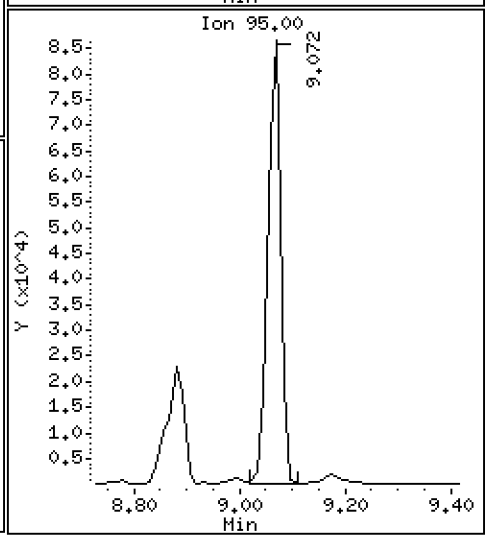












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

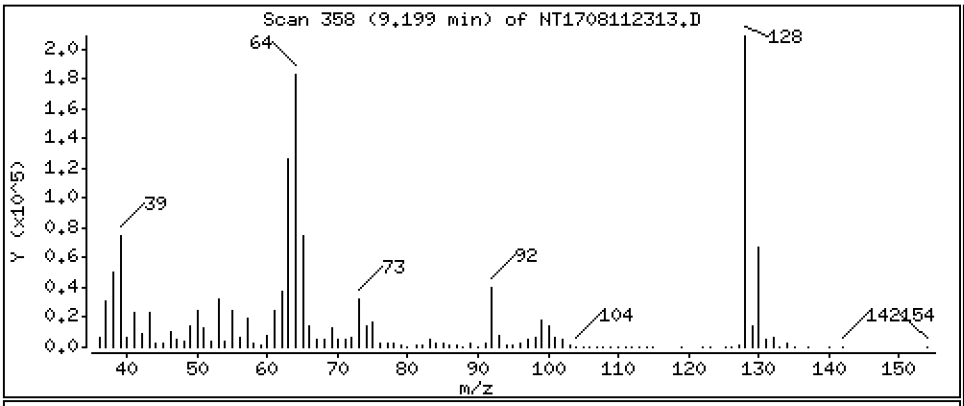
Operator: JGR

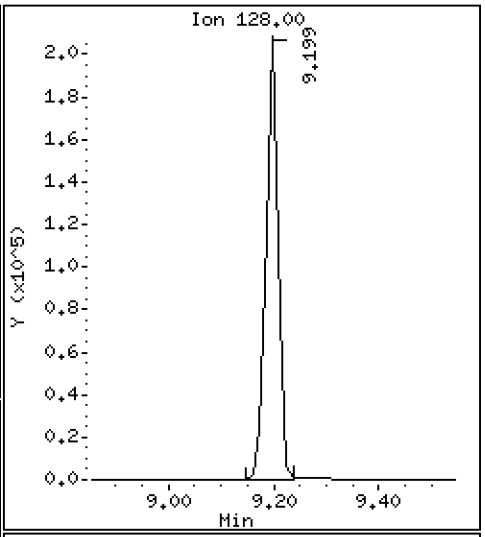
Column phase: ZB-5msi

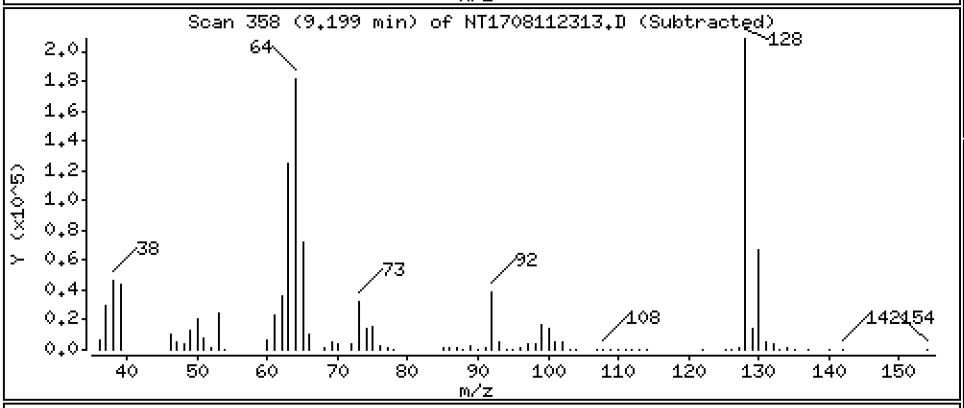
Column diameter: 0.25

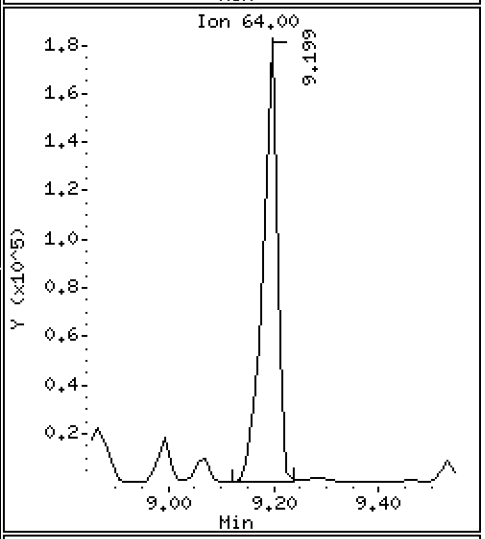
6 2-Chlorophenol

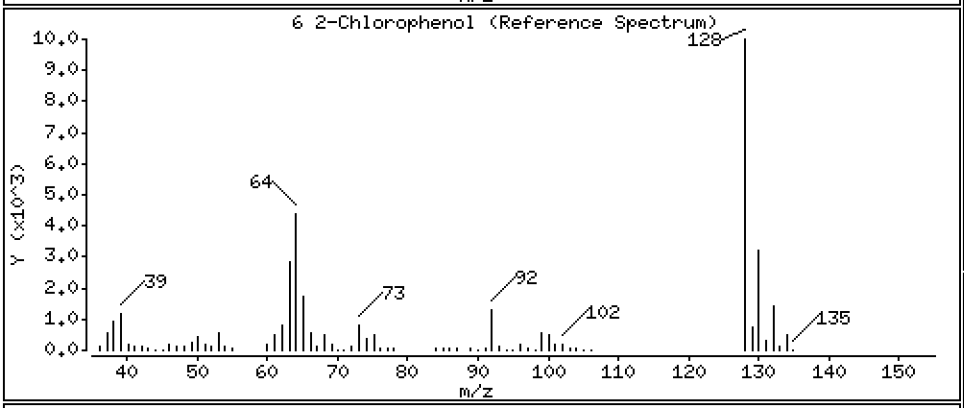
Concentration: 3.420 ug/mL

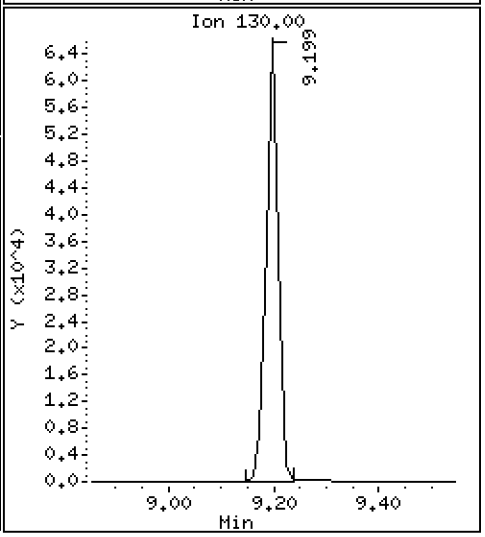


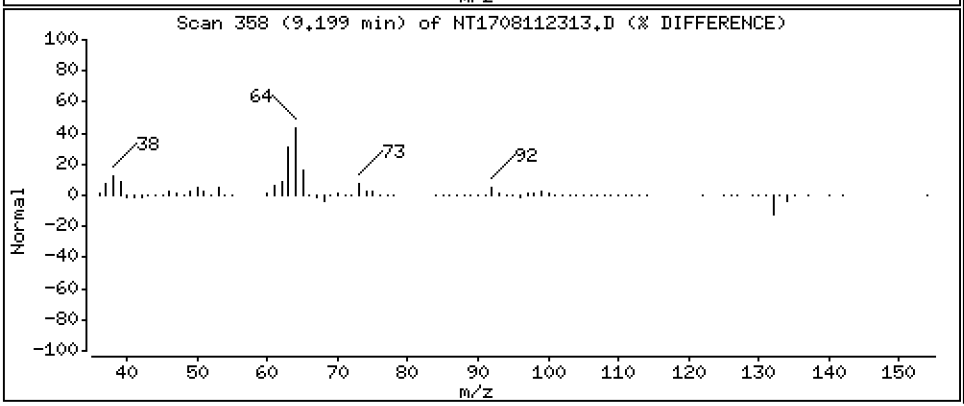












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

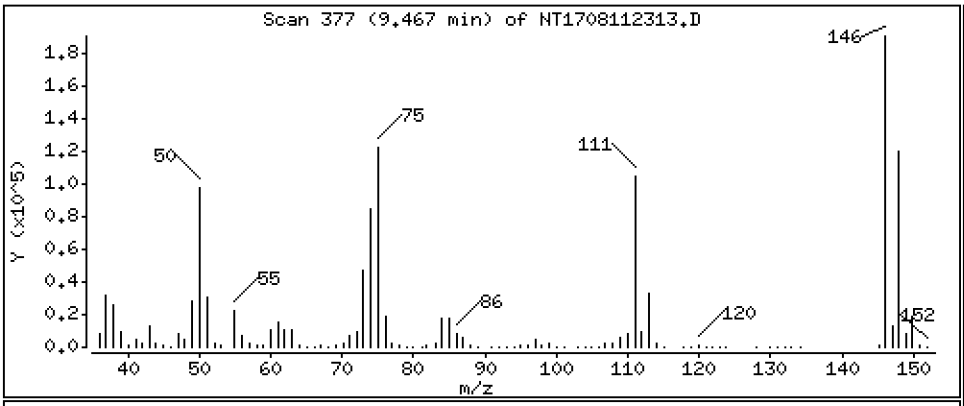
Operator: JGR

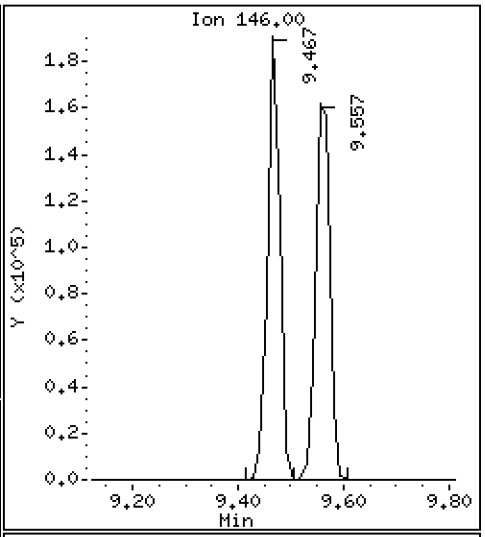
Column phase: ZB-5msi

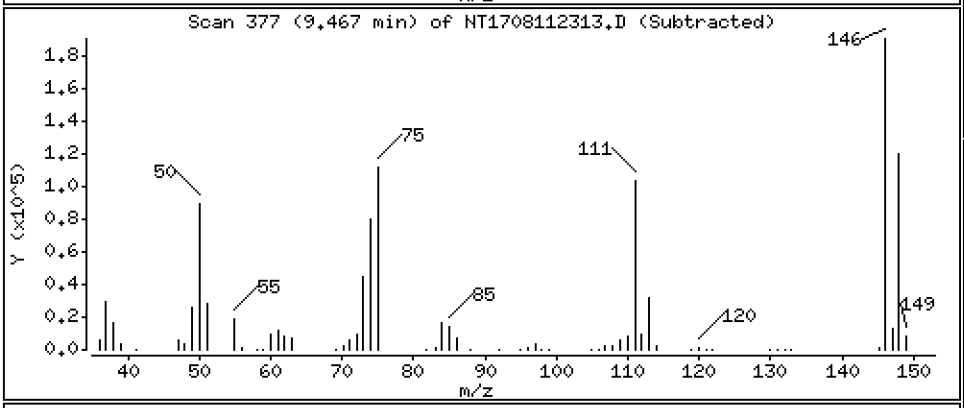
Column diameter: 0.25

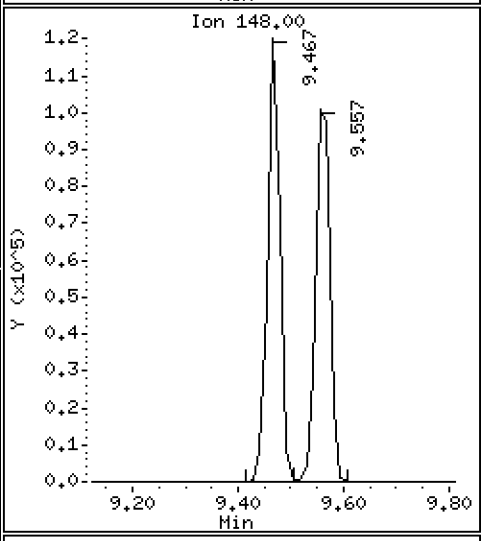
7 1,3-Dichlorobenzene

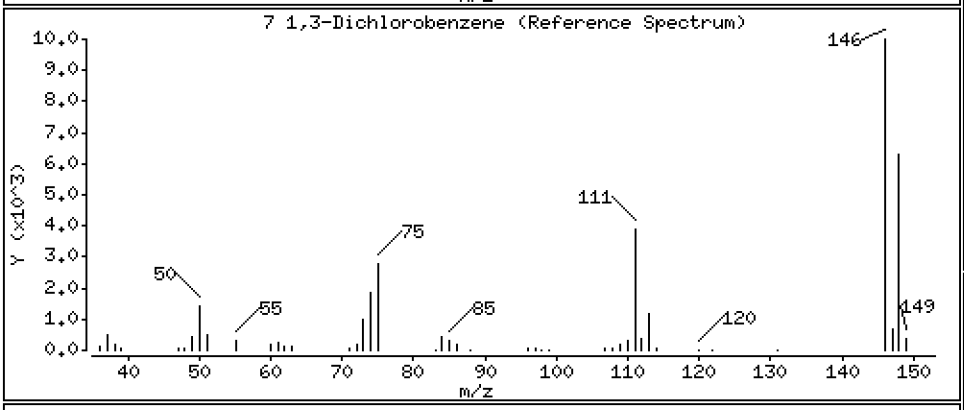
Concentration: 3.053 ug/mL

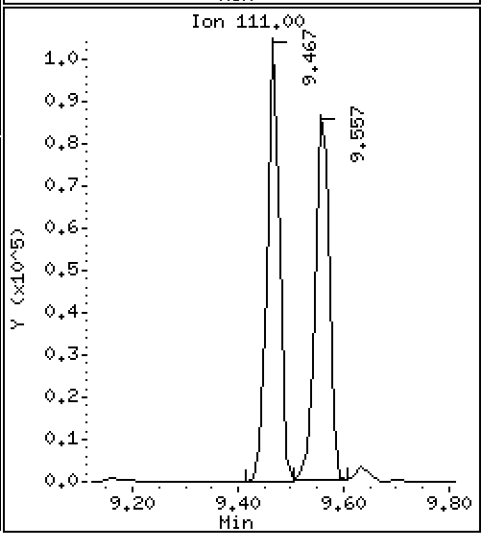


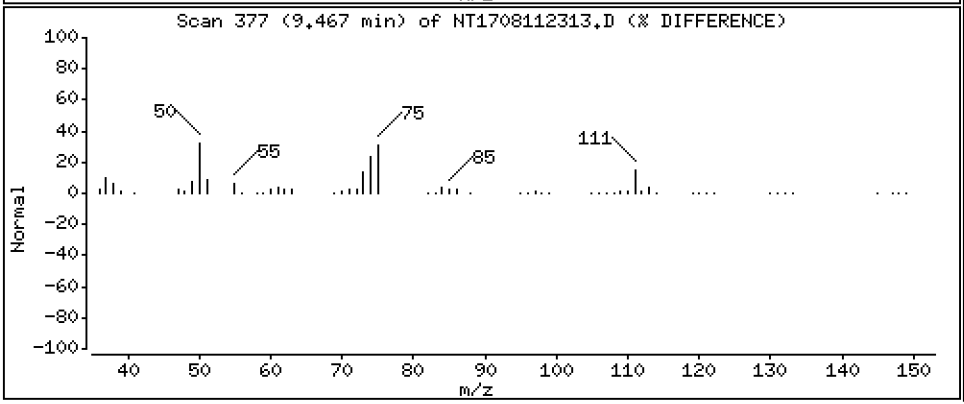












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

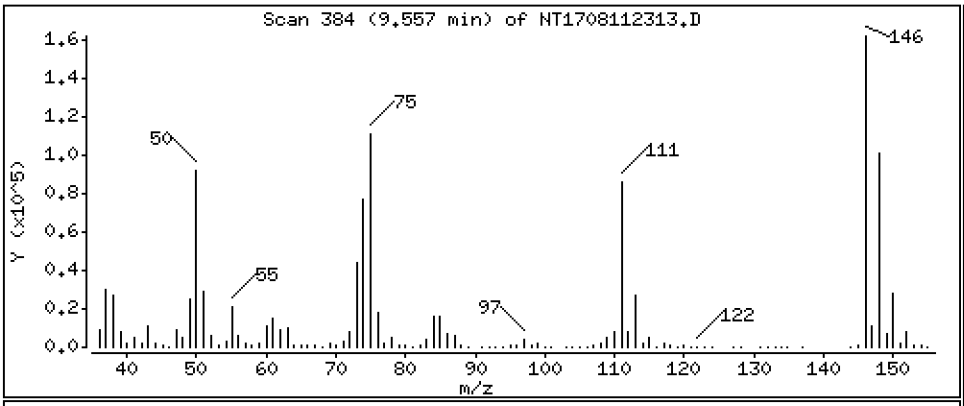
Operator: JGR

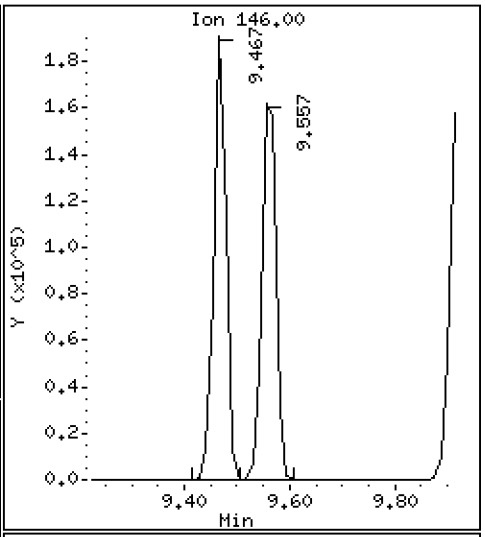
Column phase: ZB-5msi

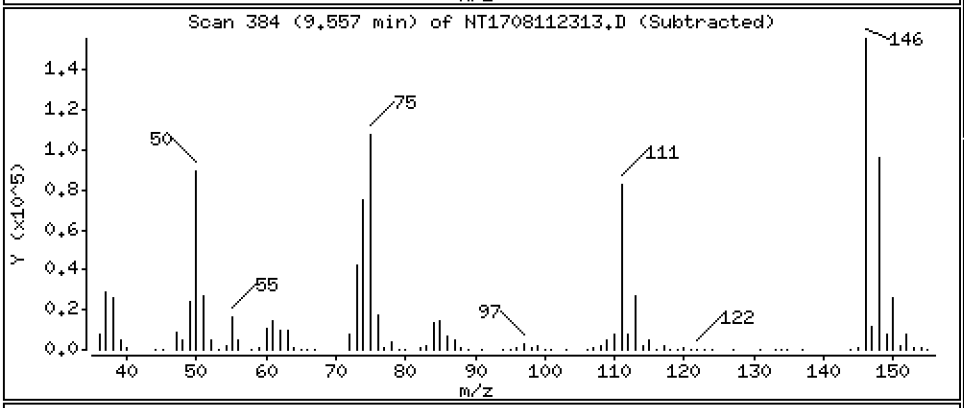
Column diameter: 0.25

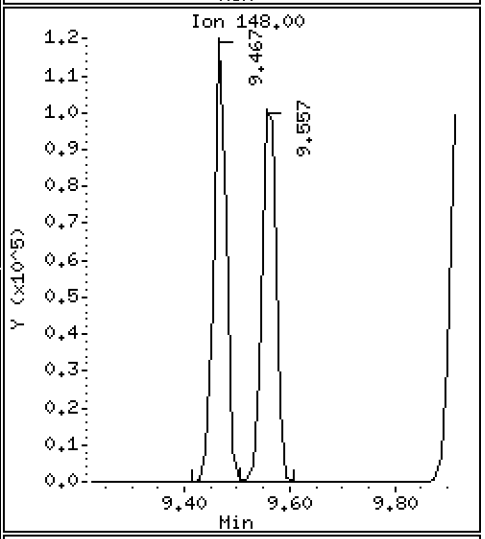
9 1,4-Dichlorobenzene

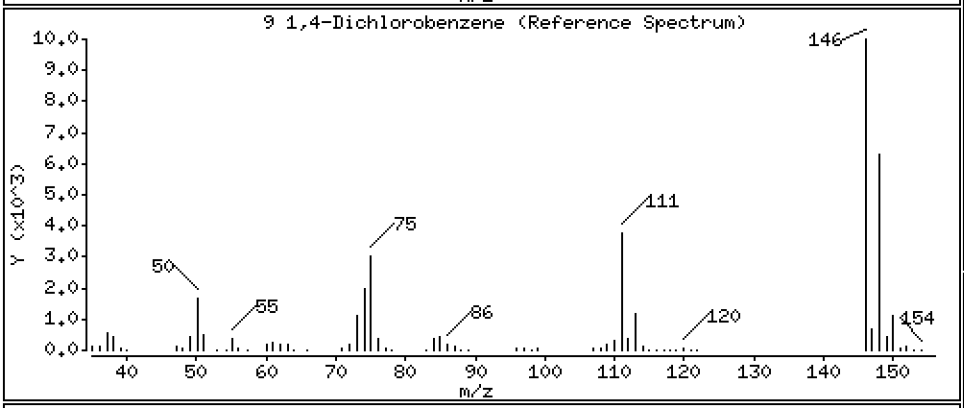
Concentration: 3.127 ug/mL

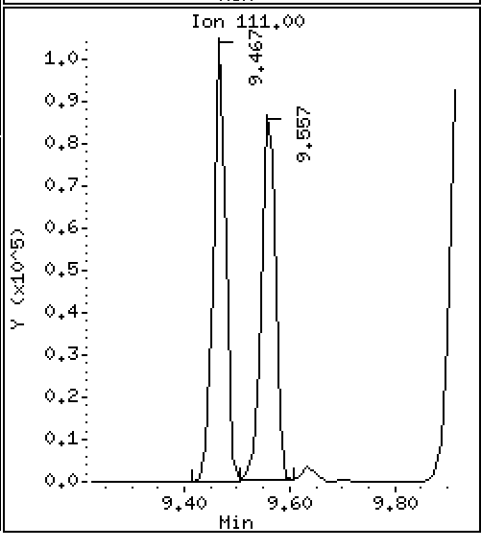


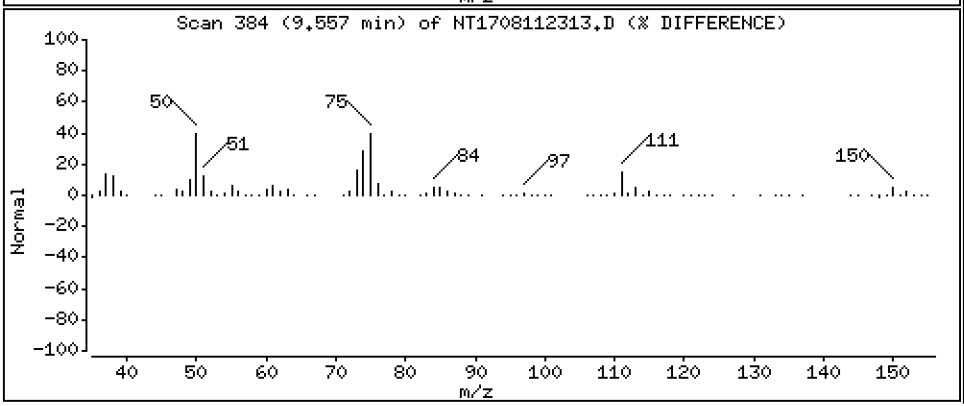












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

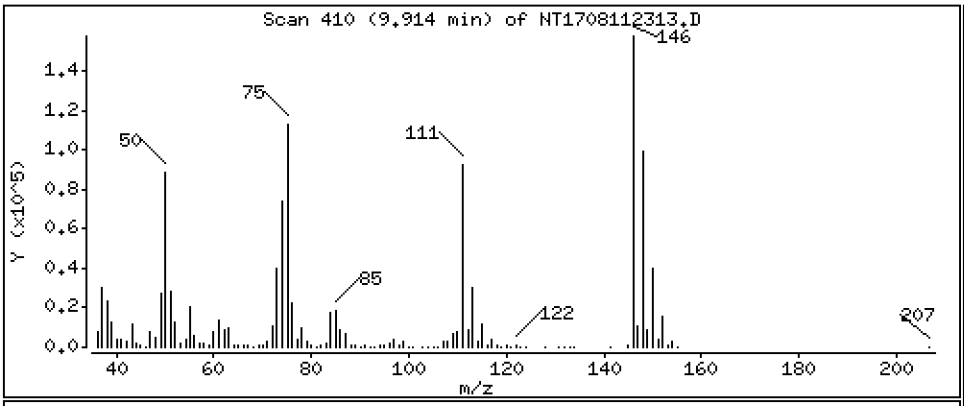
Operator: JGR

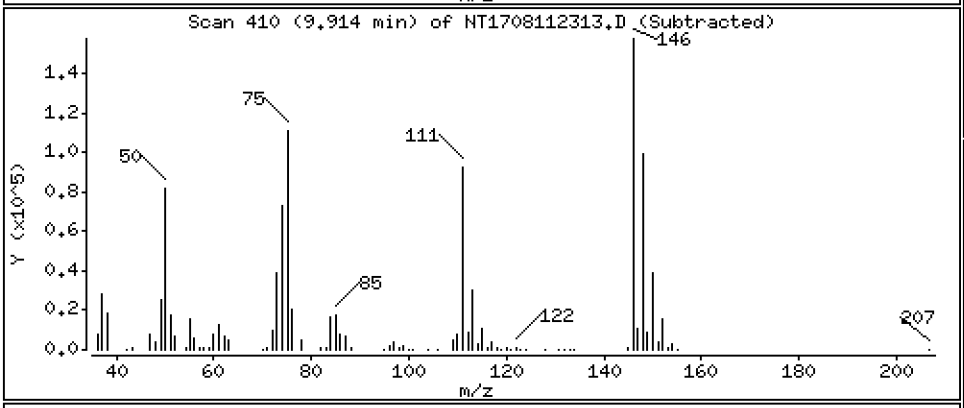
Column phase: ZB-5msi

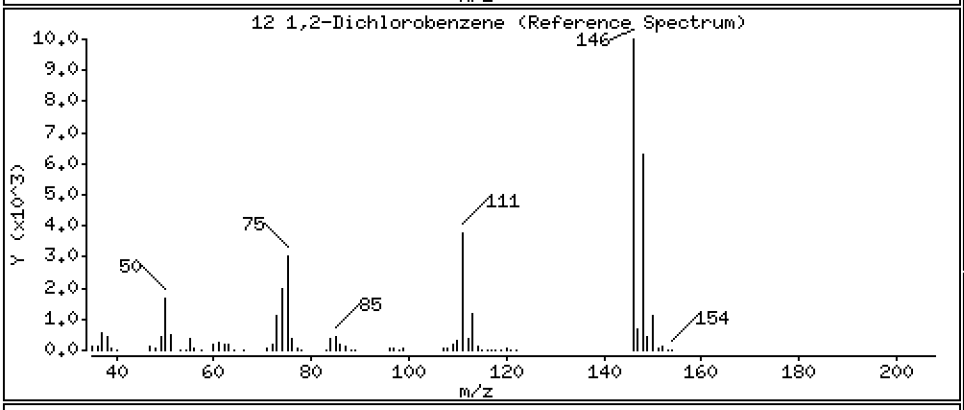
Column diameter: 0.25

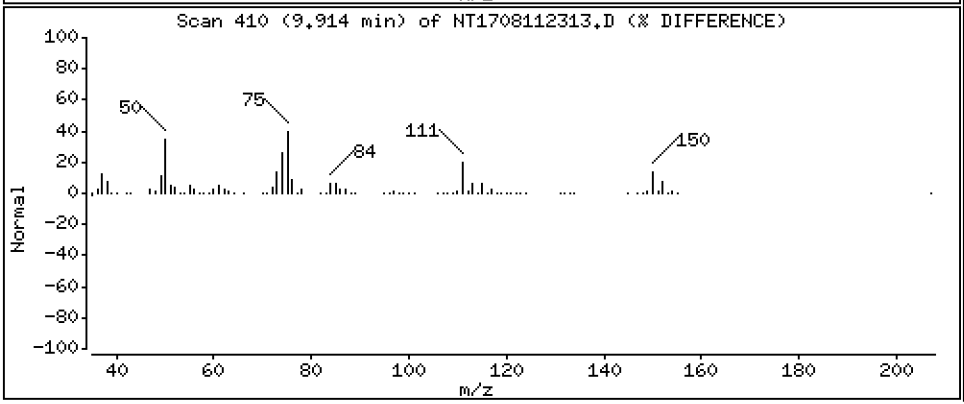
12 1,2-Dichlorobenzene

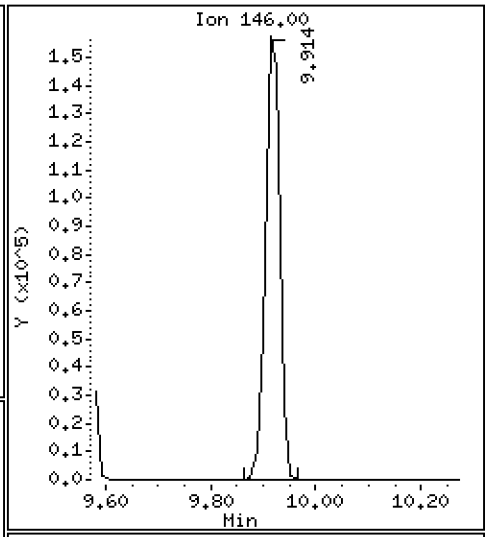
Concentration: 3.125 ug/mL

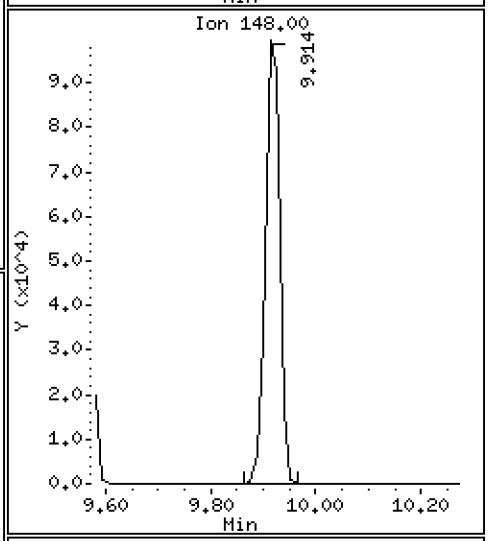


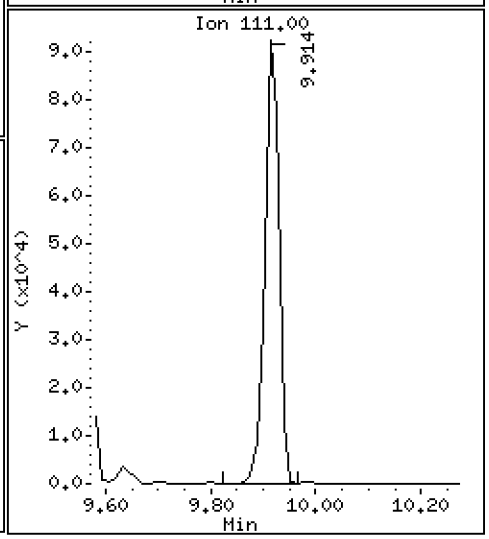












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

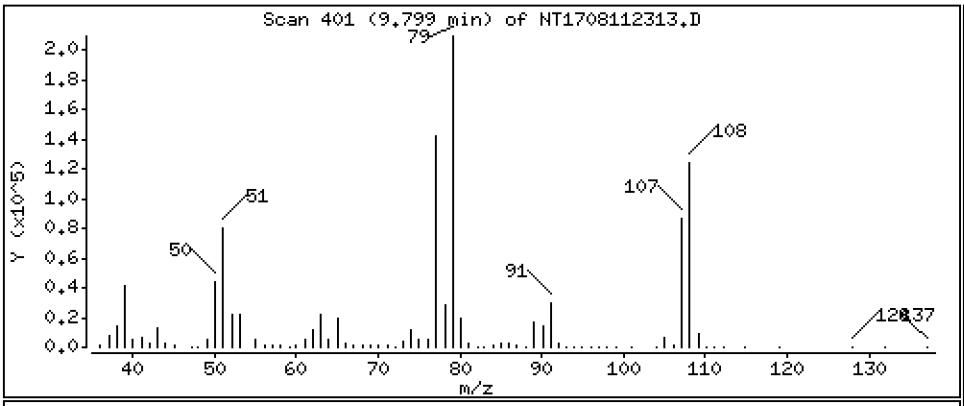
Operator: JGR

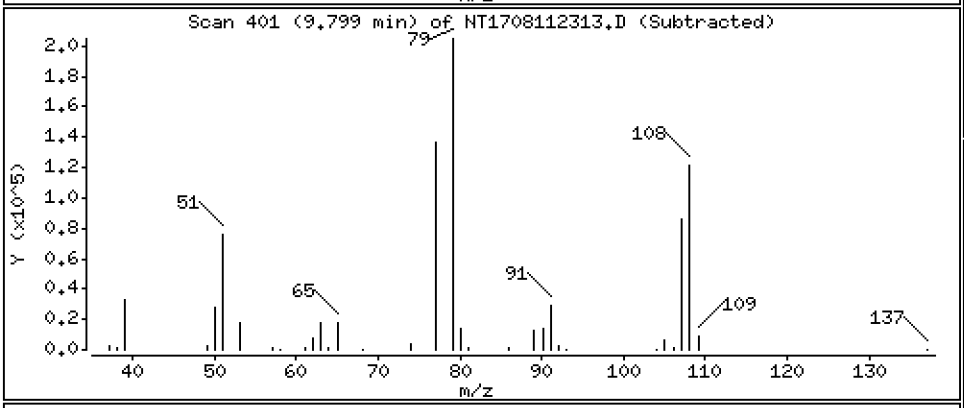
Column phase: ZB-5msi

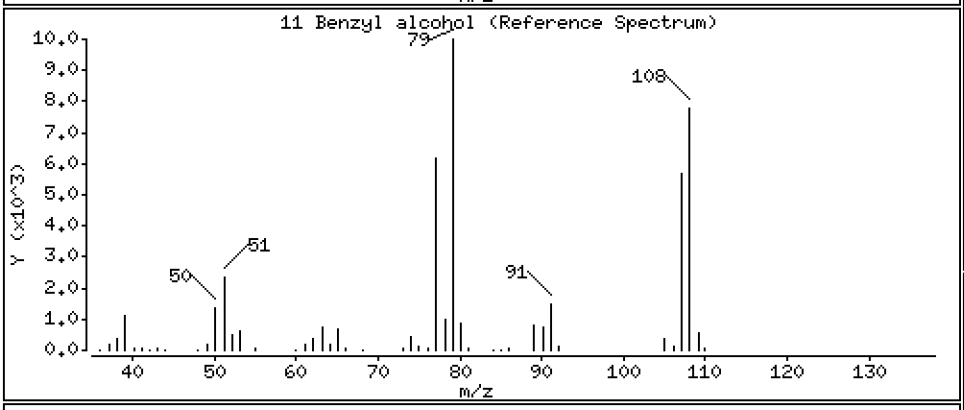
Column diameter: 0.25

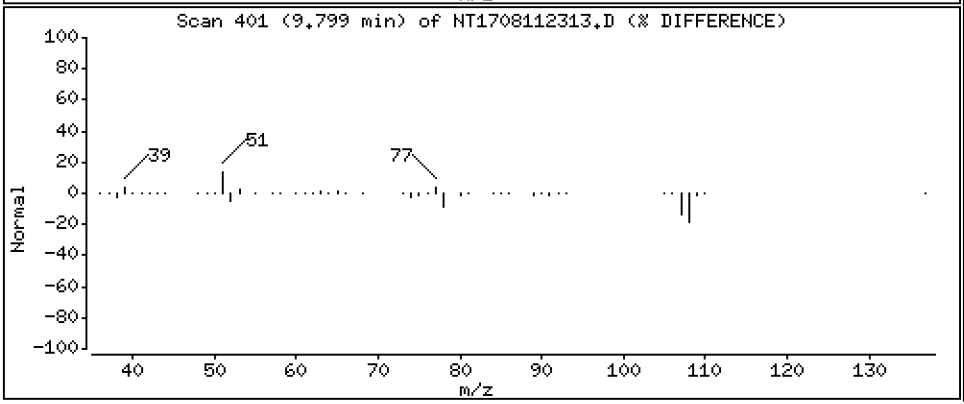
11 Benzyl alcohol

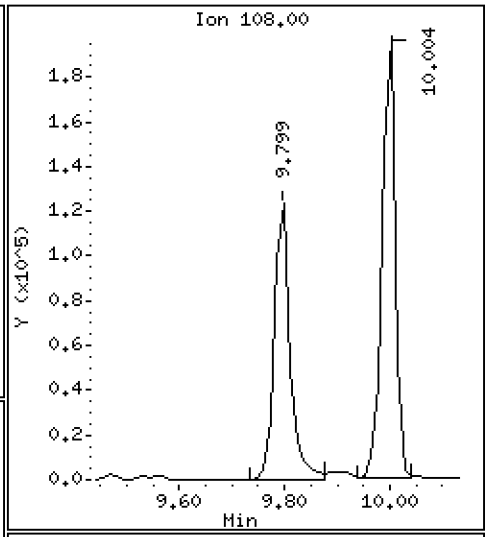
Concentration: 3.569 ug/mL

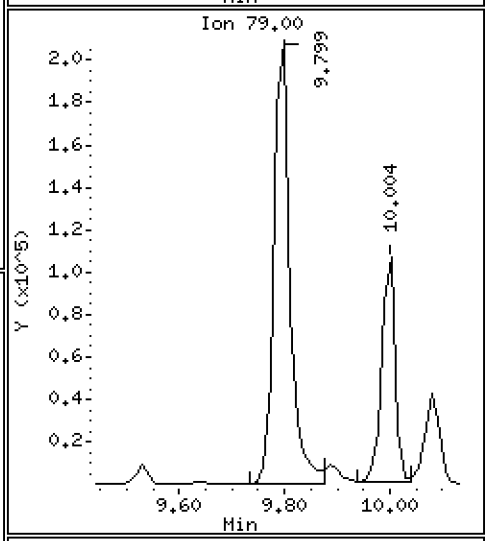


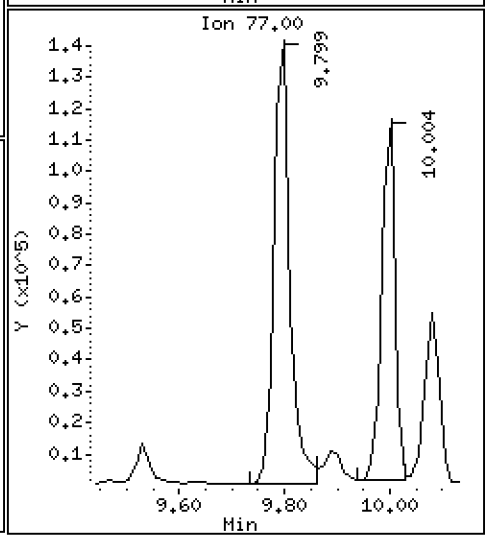












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

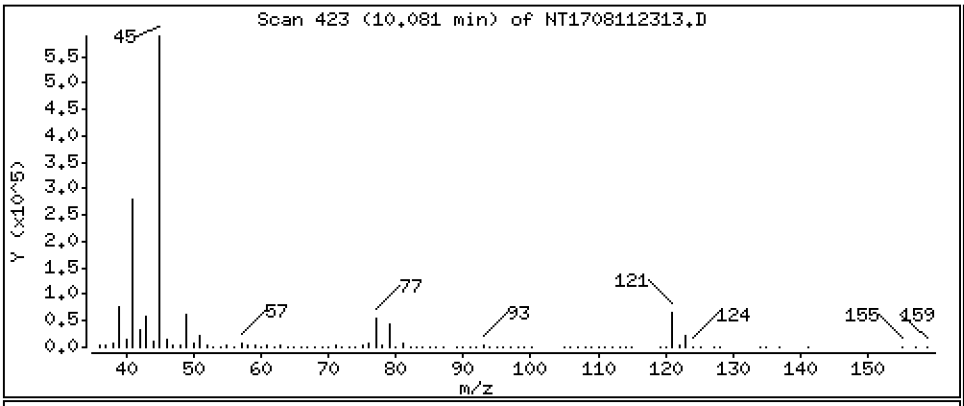
Operator: JGR

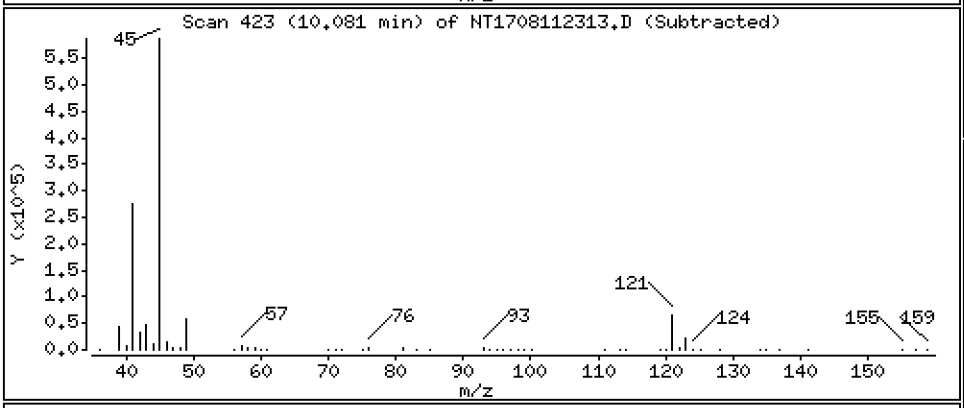
Column phase: ZB-5msi

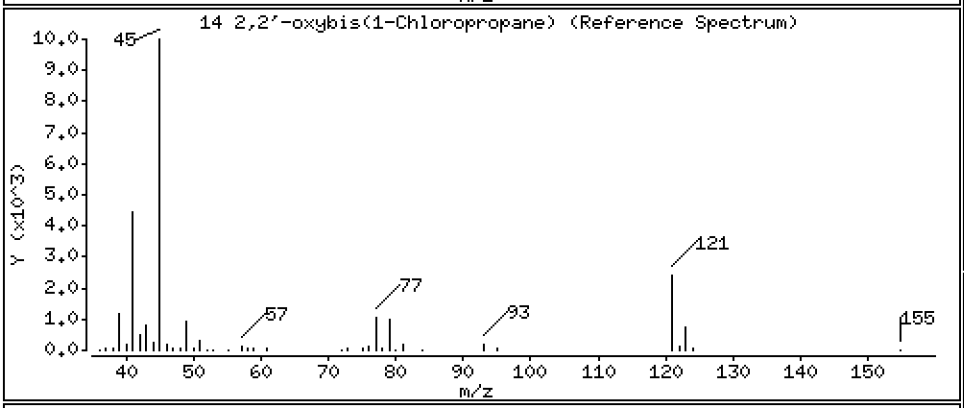
Column diameter: 0.25

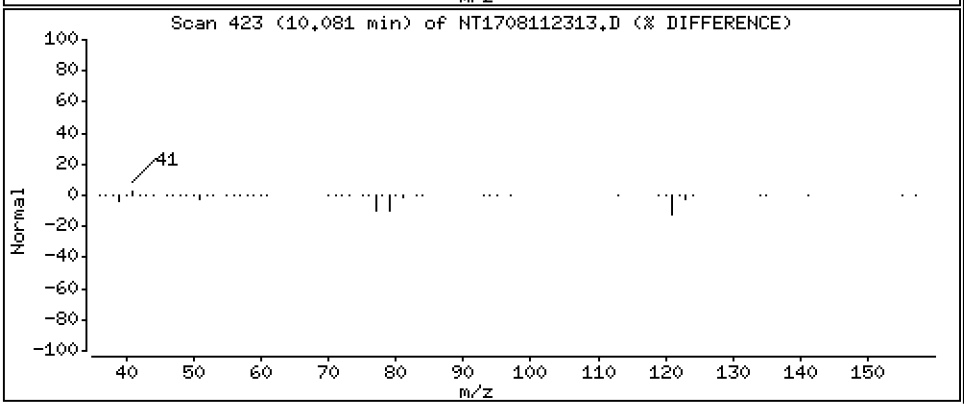
14 2,2'-oxybis(1-Chloropropane)

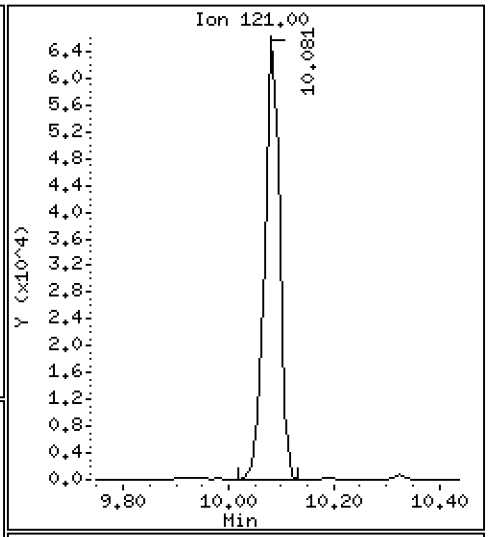
Concentration: 4.028 ug/mL

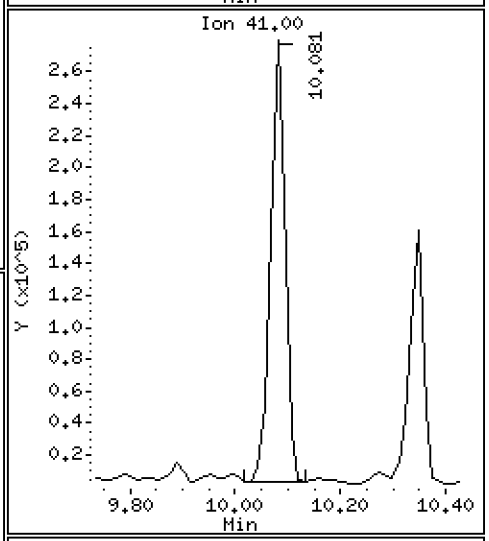


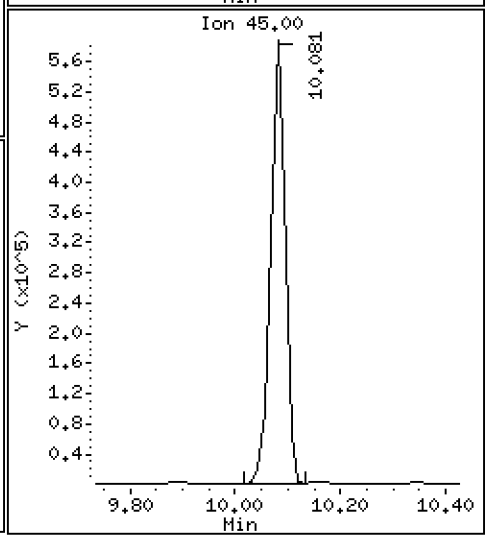












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

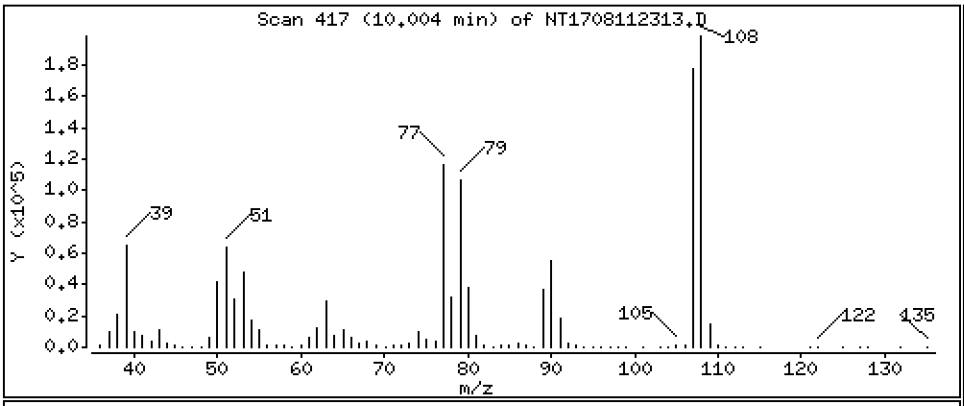
Operator: JGR

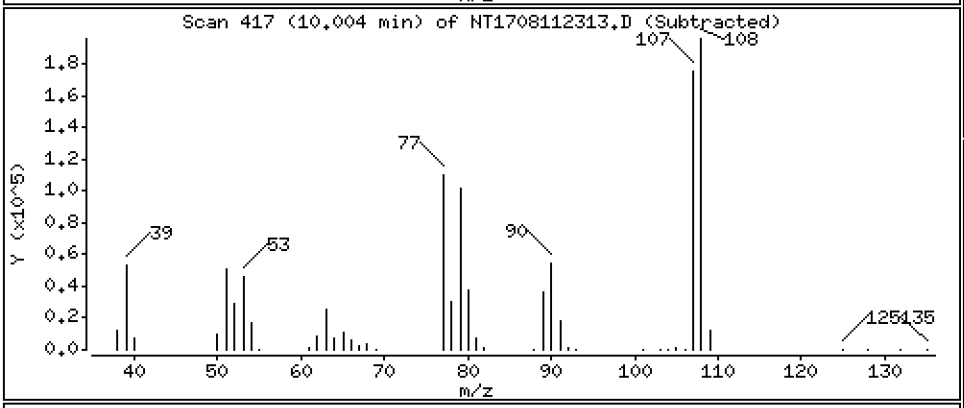
Column phase: ZB-5msi

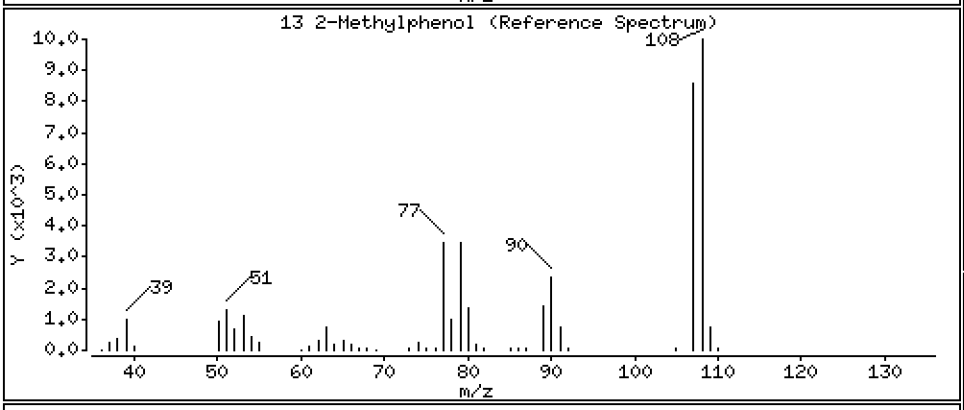
Column diameter: 0.25

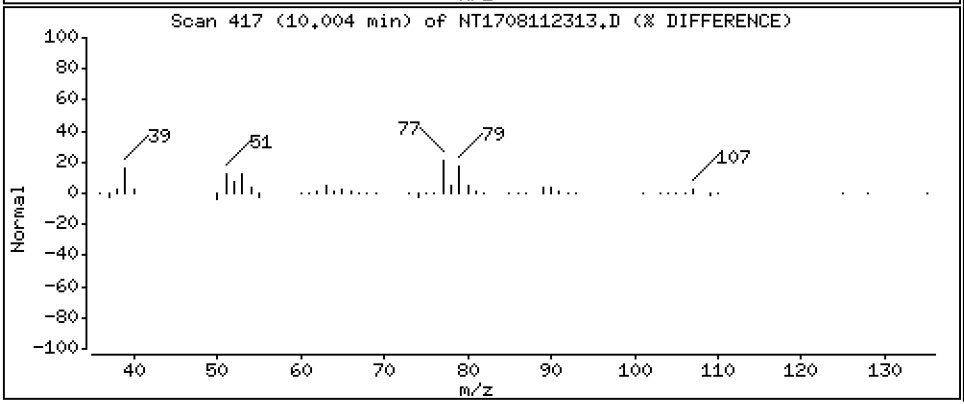
13 2-Methylphenol

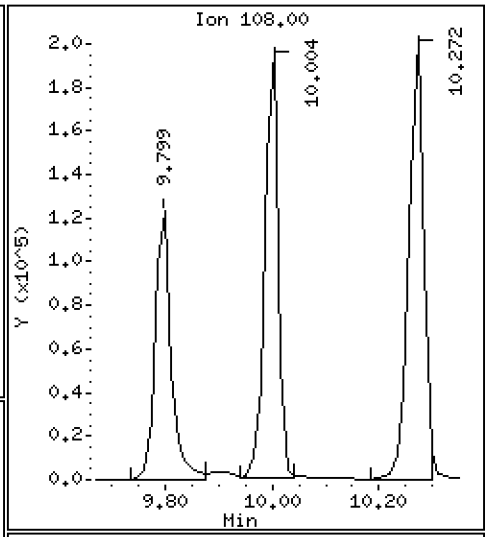
Concentration: 3.275 ug/mL

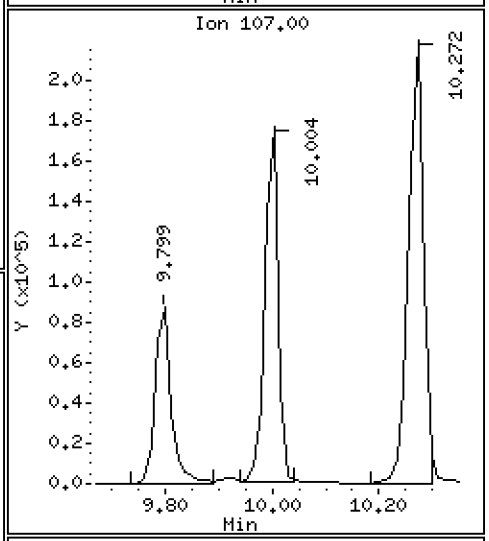


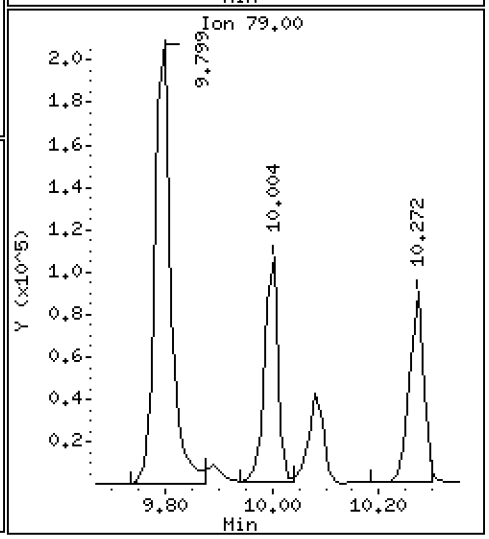












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

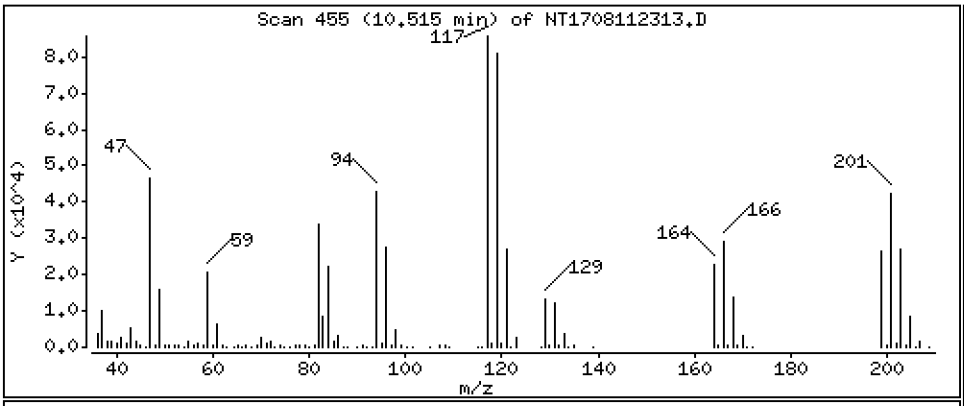
Operator: JGR

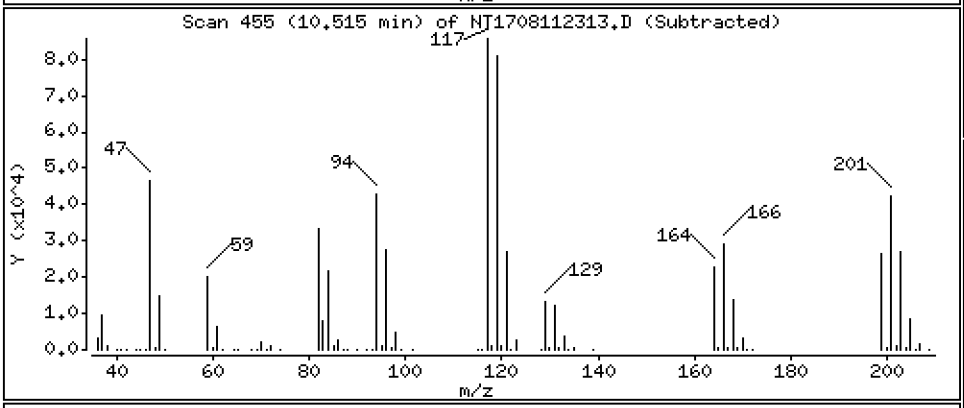
Column phase: ZB-5msi

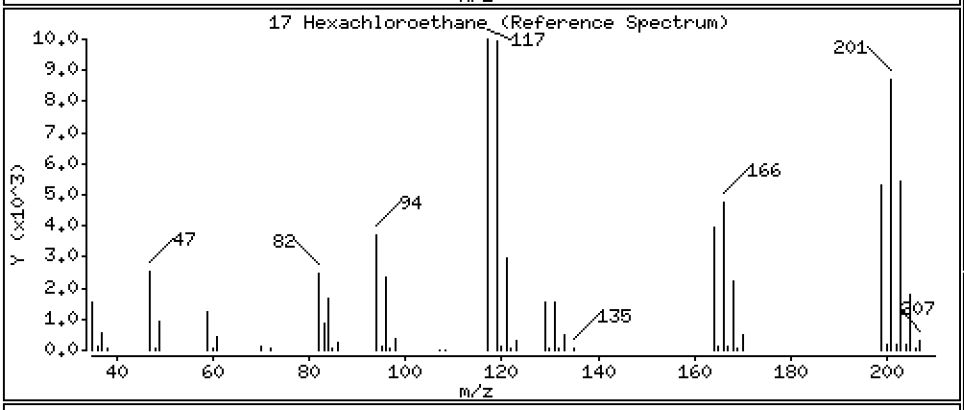
Column diameter: 0.25

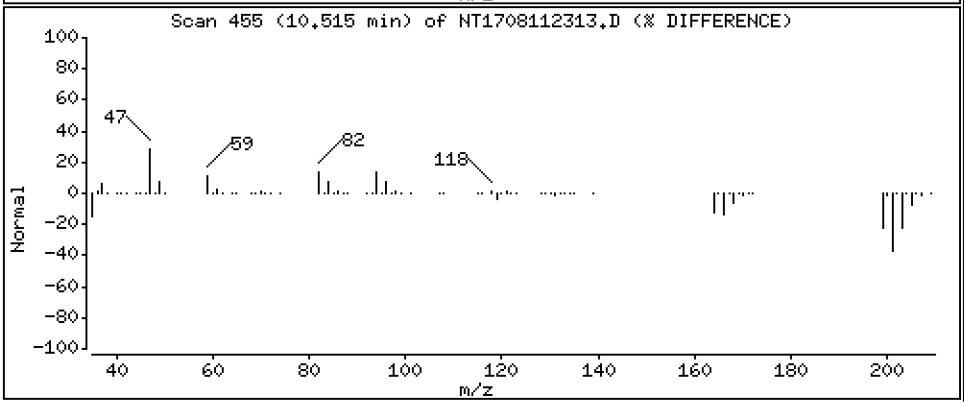
17 Hexachloroethane

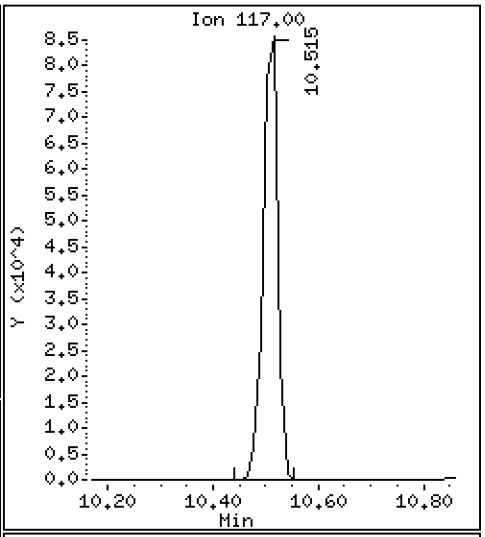
Concentration: 3.315 ug/mL

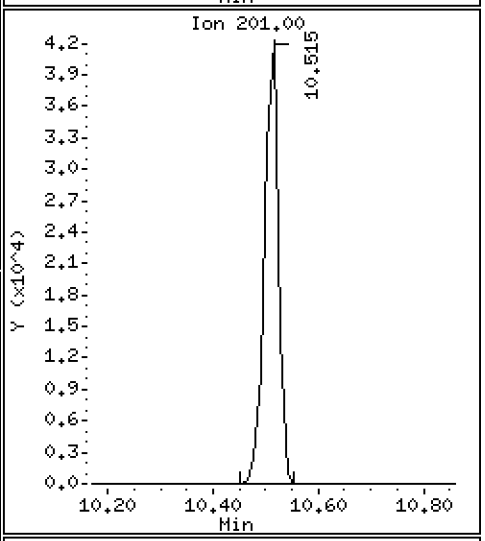


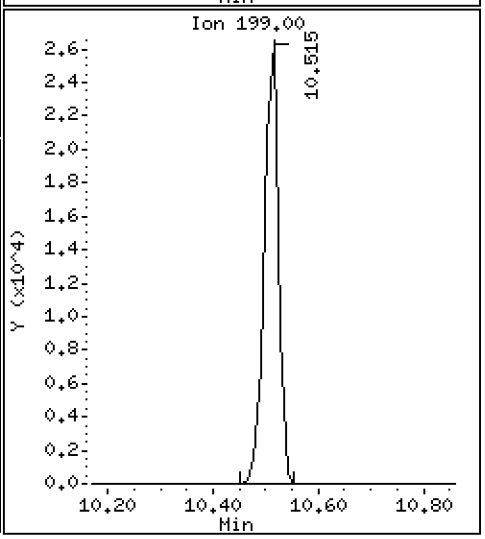












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

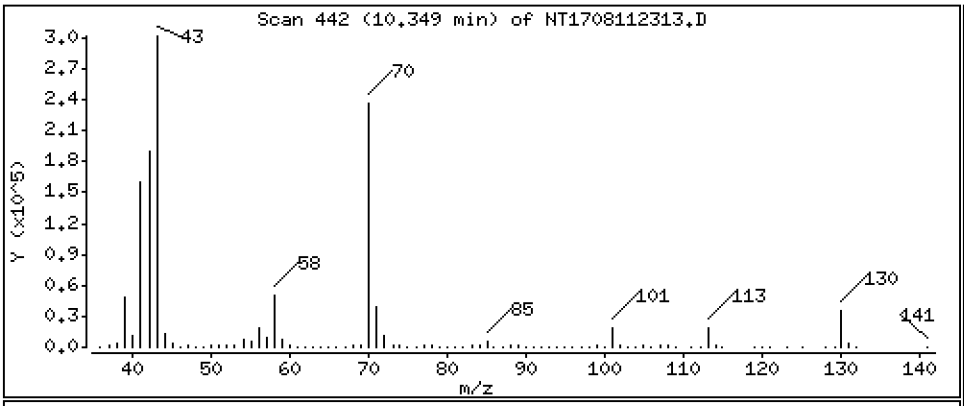
Operator: JGR

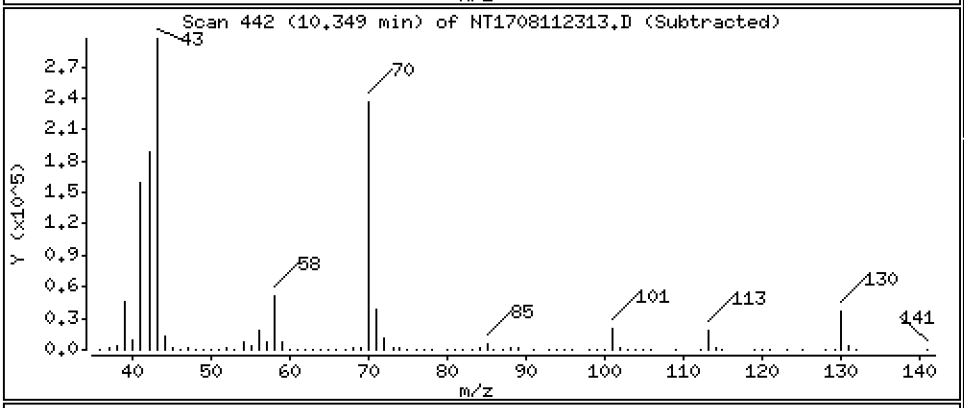
Column phase: ZB-5msi

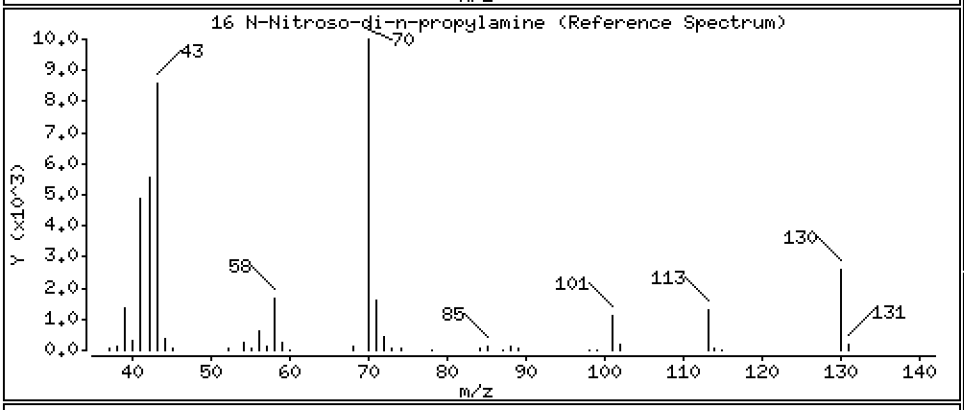
Column diameter: 0.25

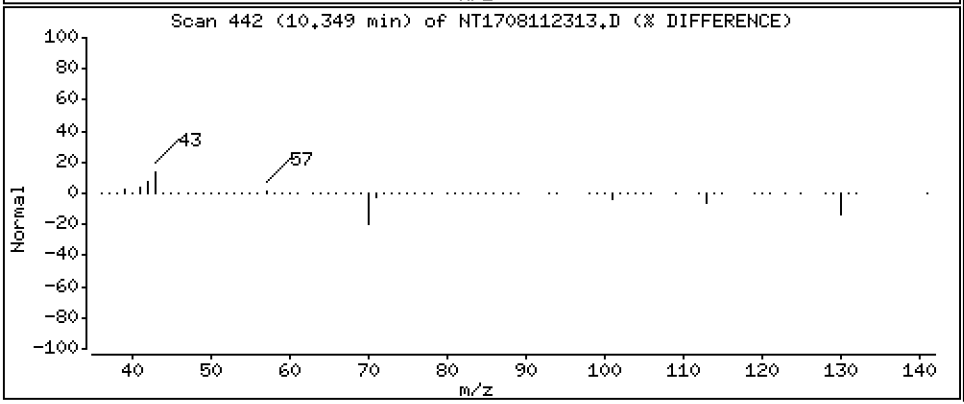
16 N-Nitroso-di-n-propylamine

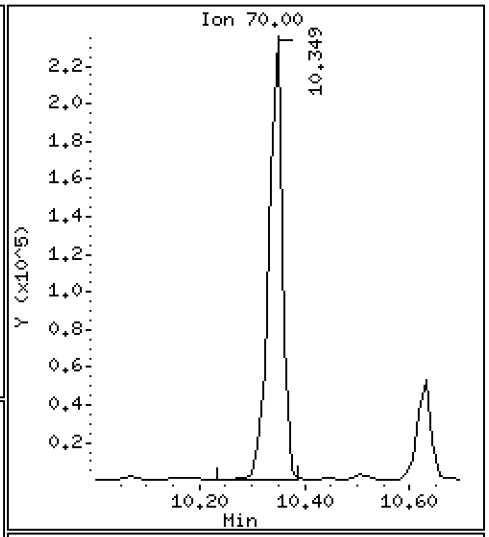
Concentration: 3.546 ug/mL

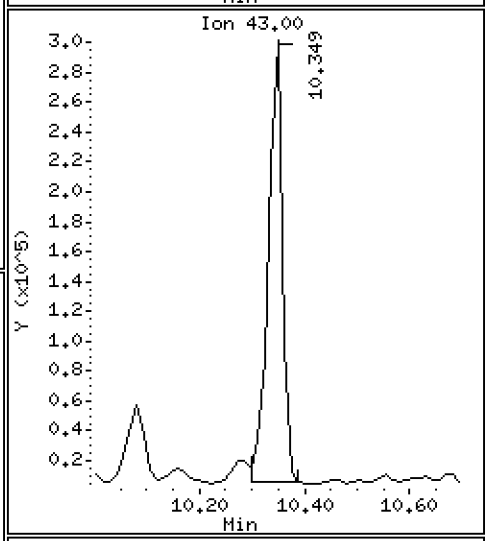


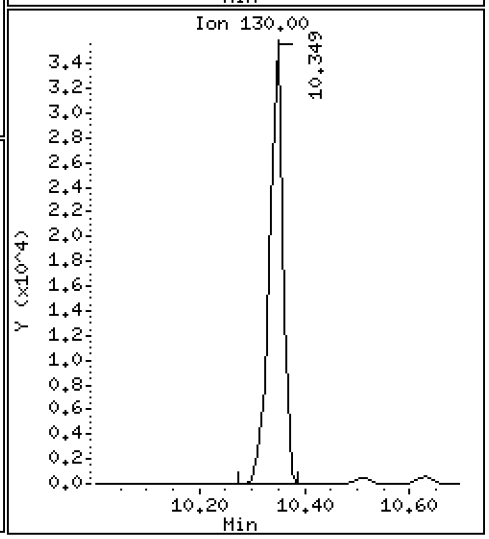












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

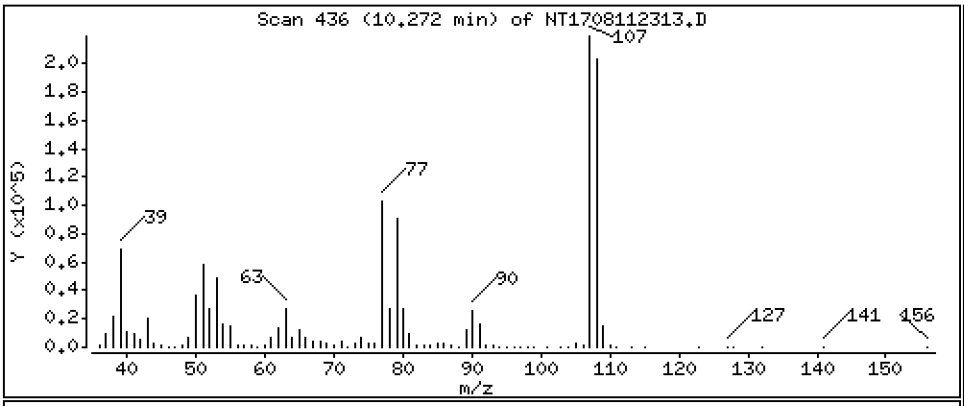
Operator: JGR

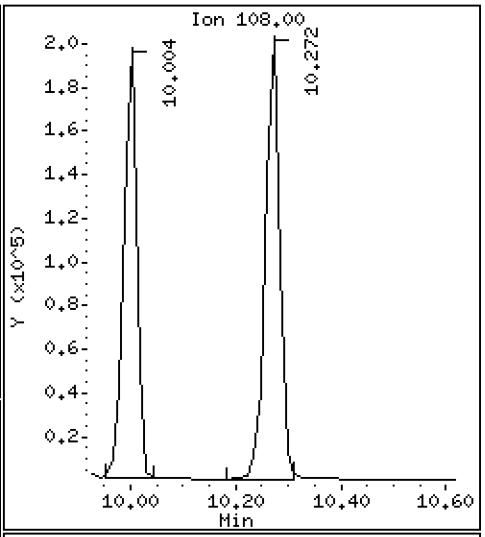
Column phase: ZB-5msi

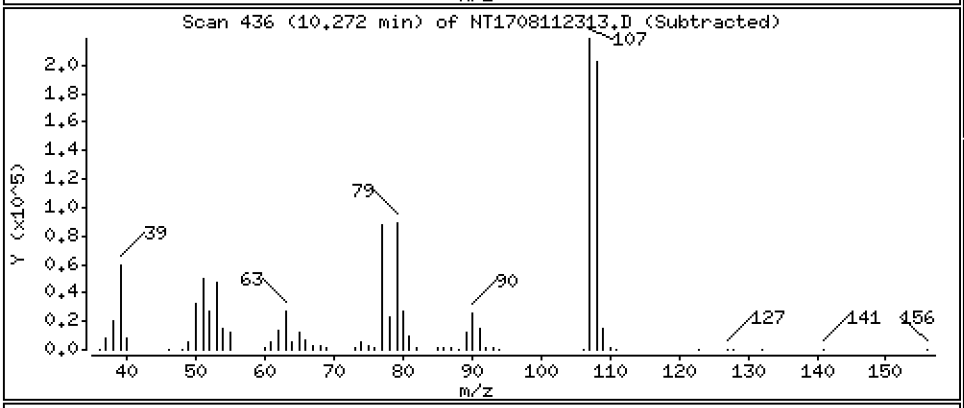
Column diameter: 0.25

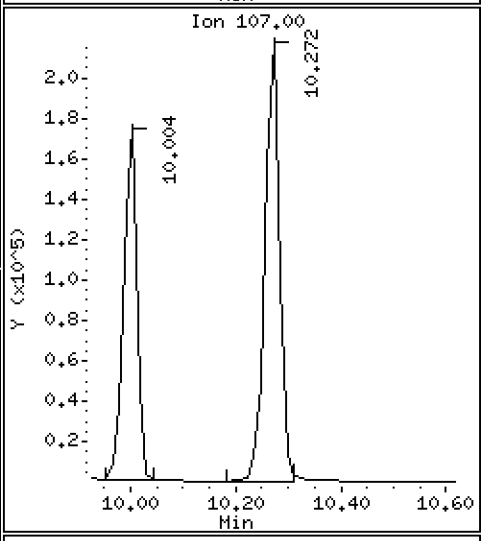
15 4-Methylphenol

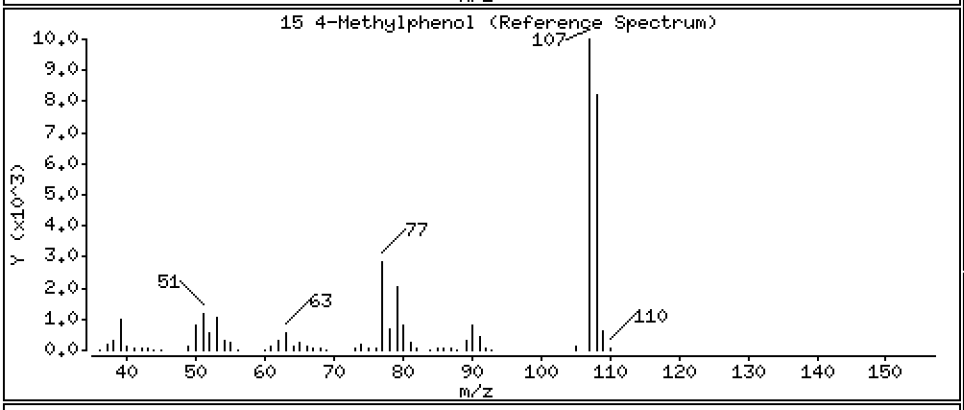
Concentration: 3.265 ug/mL

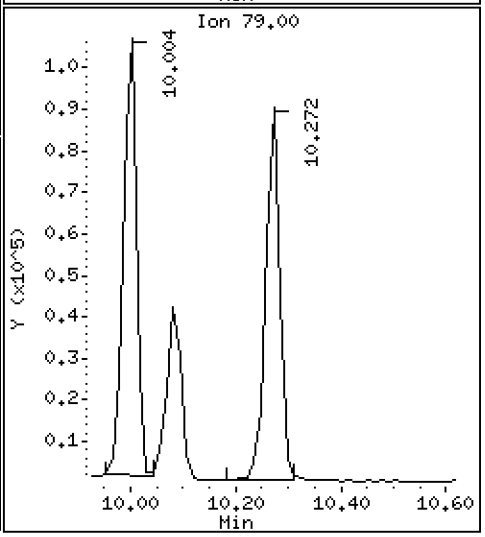


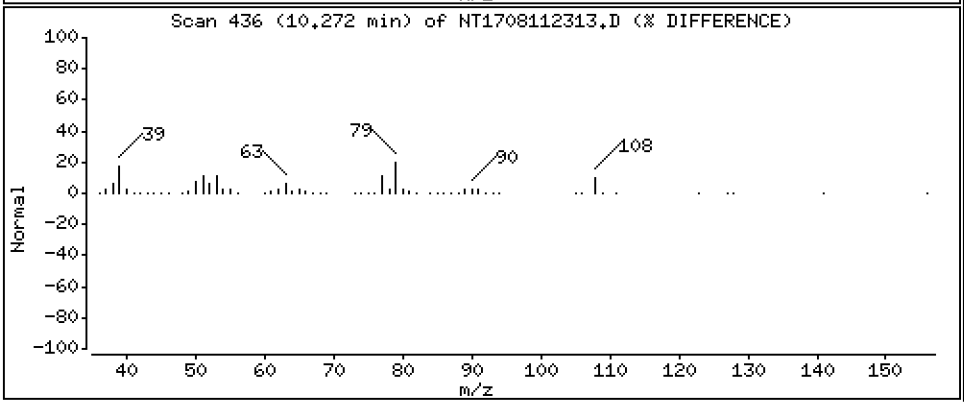












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

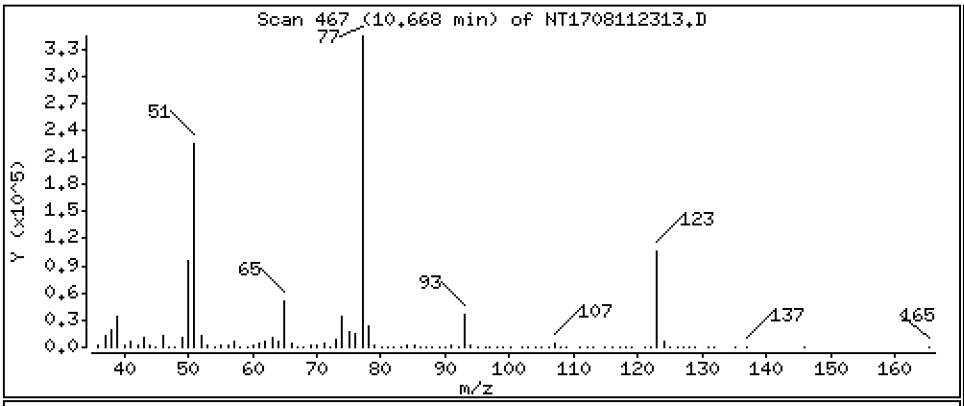
Operator: JGR

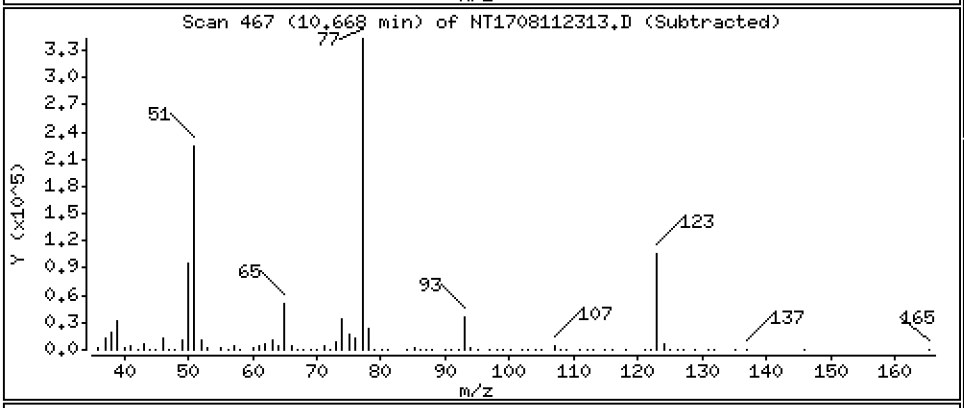
Column phase: ZB-5msi

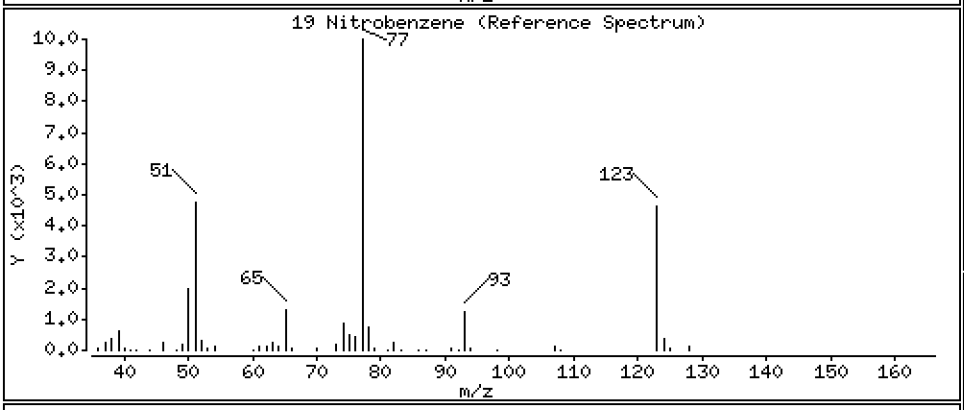
Column diameter: 0.25

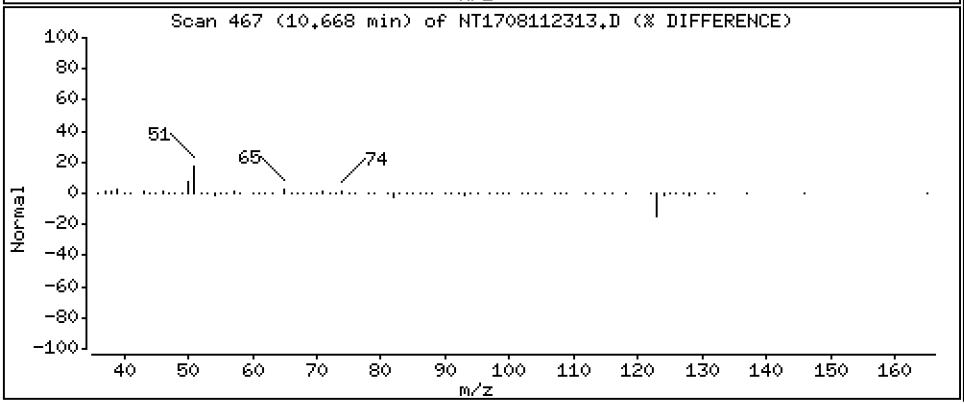
19 Nitrobenzene

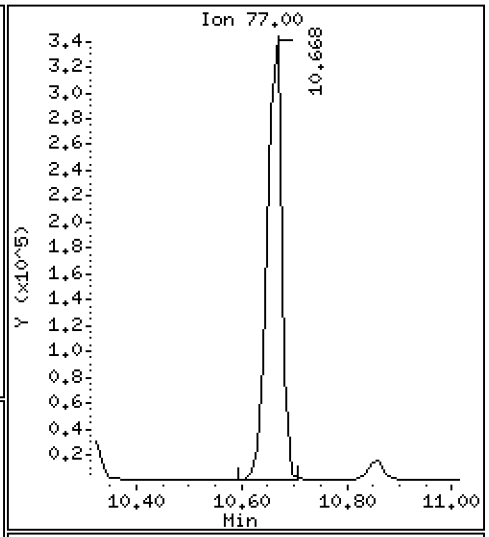
Concentration: 3.717 ug/mL

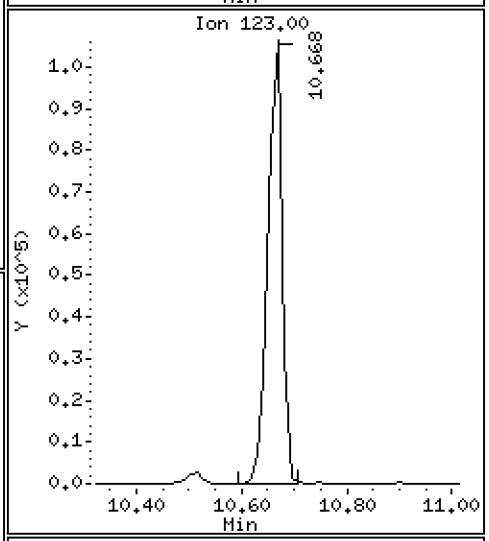


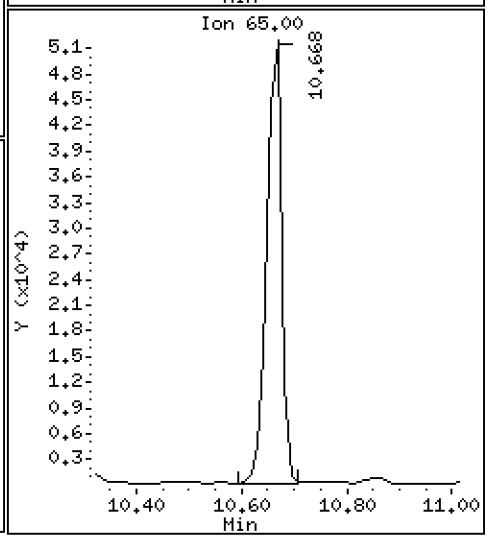












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

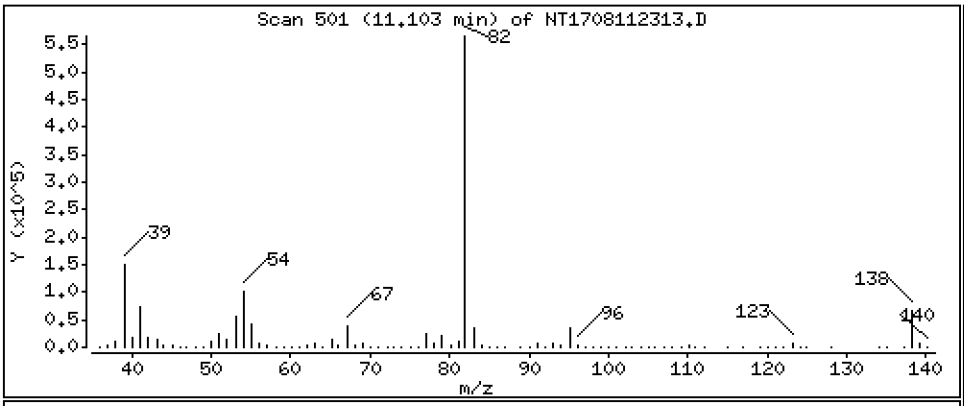
Operator: JGR

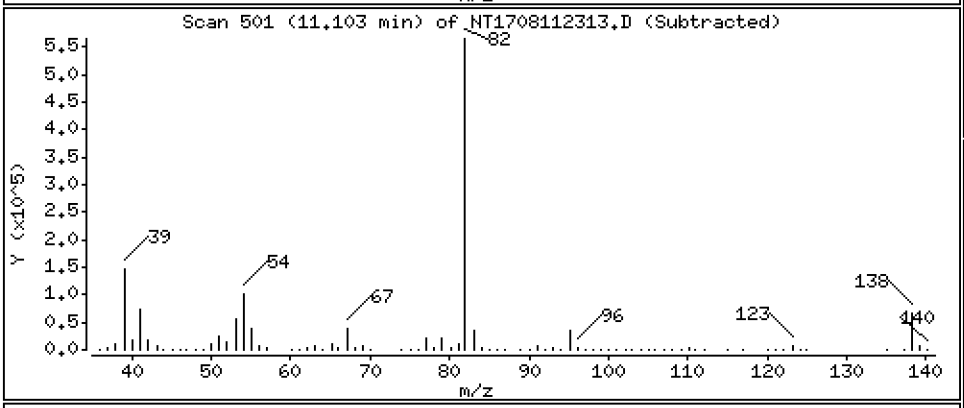
Column phase: ZB-5msi

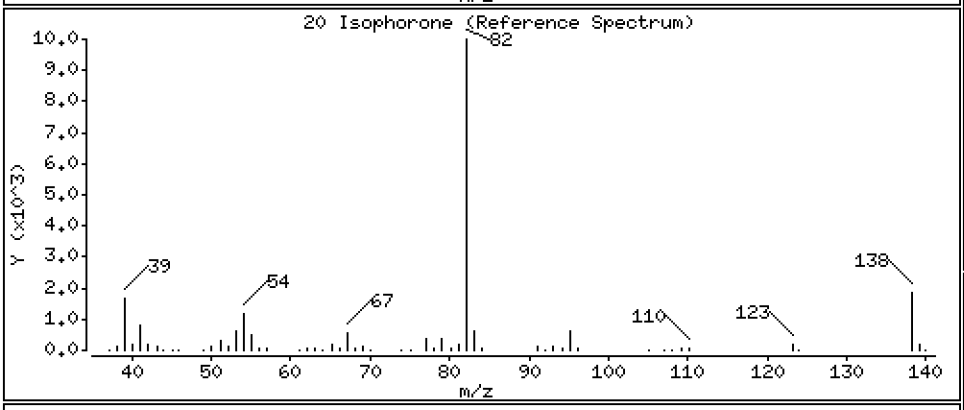
Column diameter: 0.25

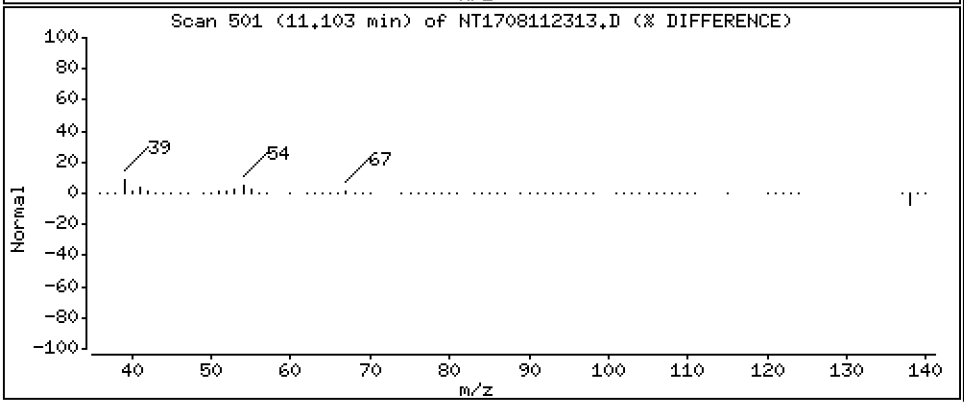
20 Isophorone

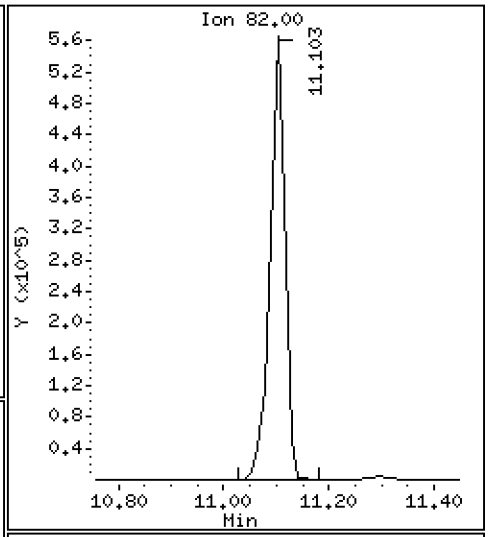
Concentration: 5.020 ug/mL

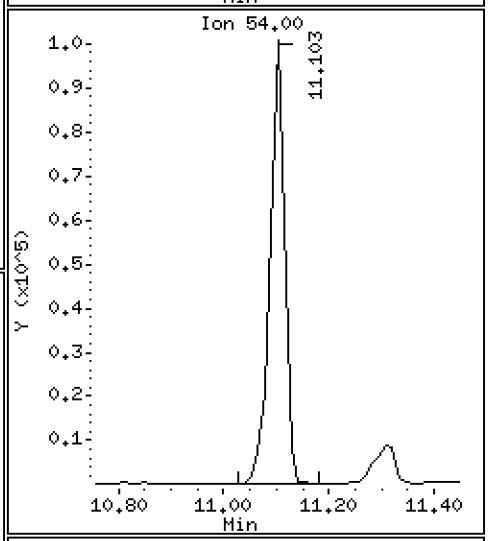


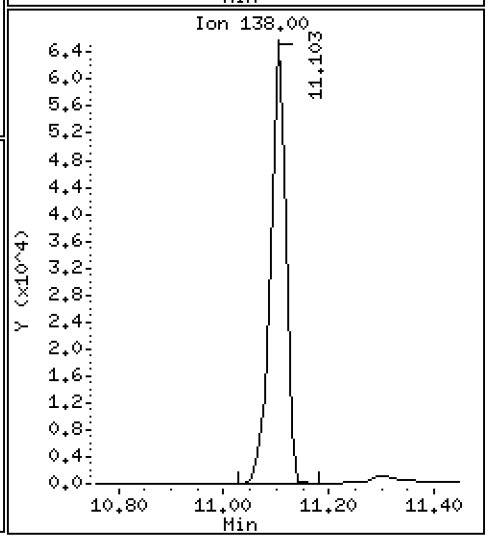












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

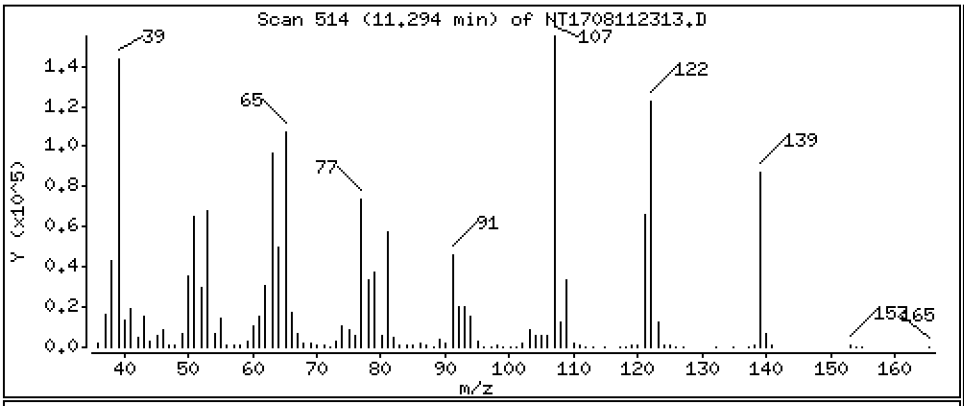
Operator: JGR

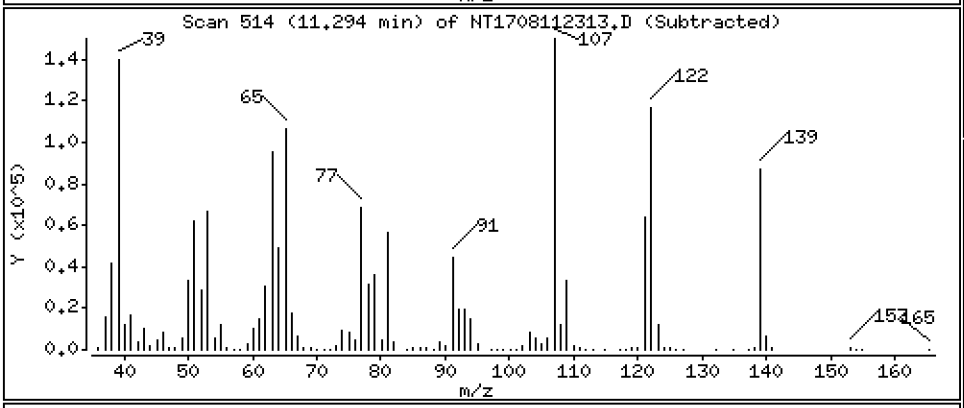
Column phase: ZB-5msi

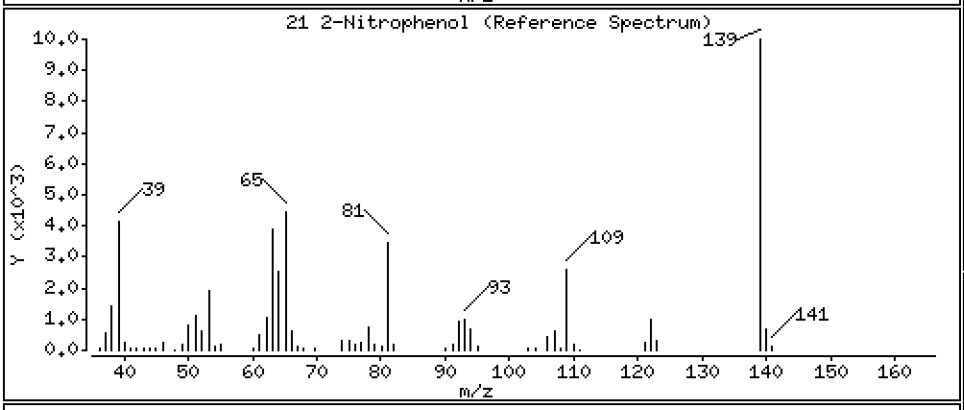
Column diameter: 0.25

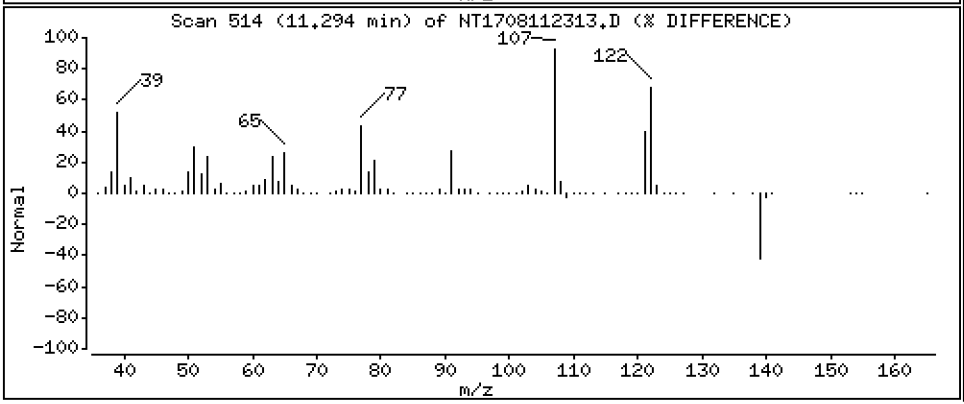
21 2-Nitrophenol

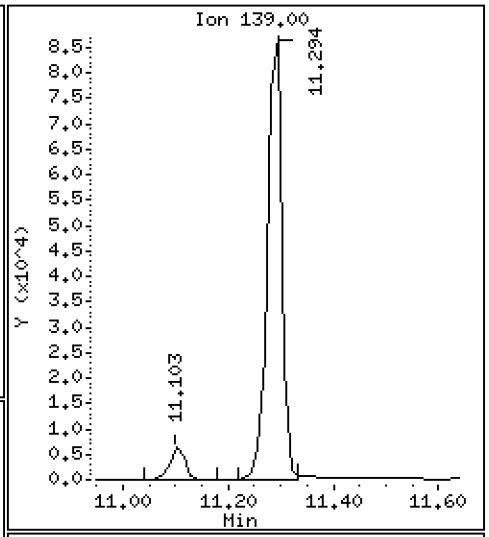
Concentration: 3.242 ug/mL

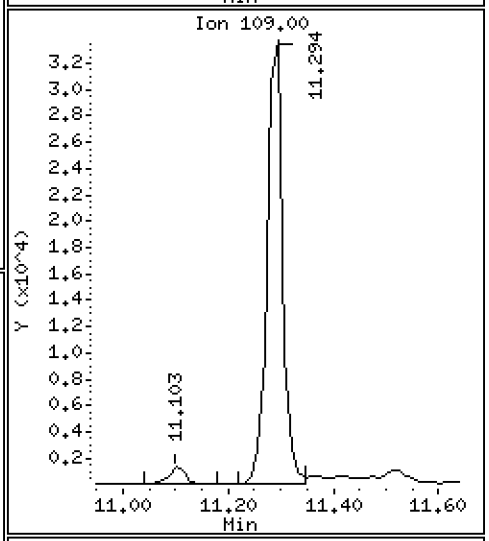


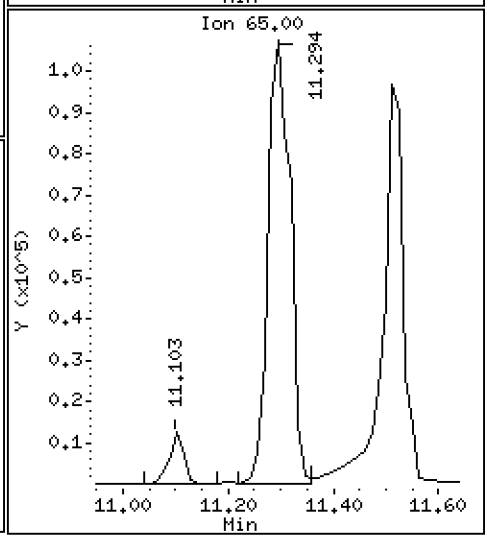












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

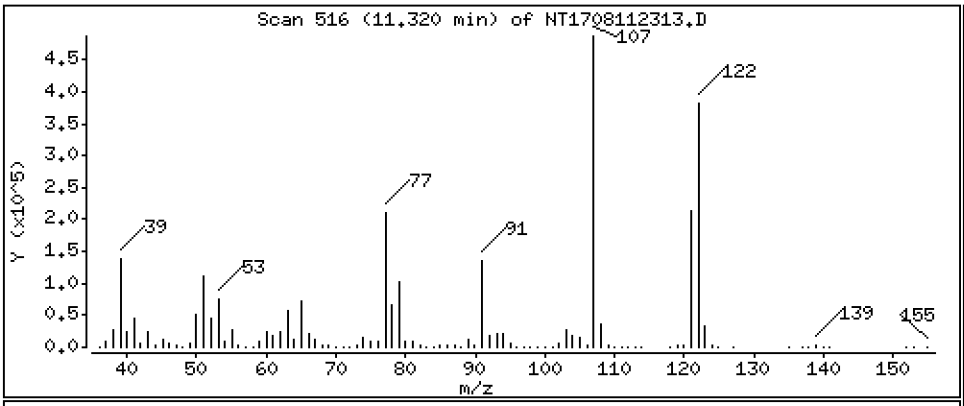
Operator: JGR

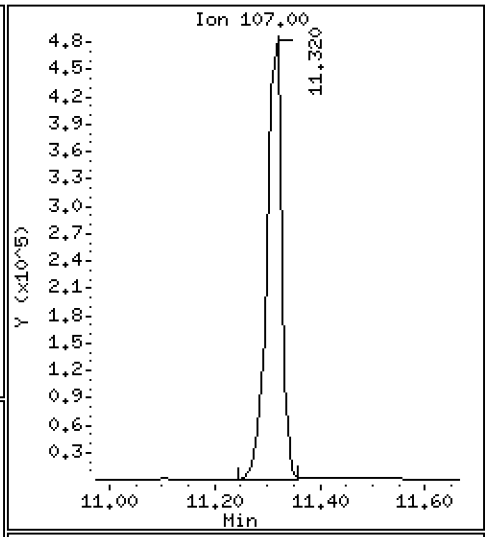
Column phase: ZB-5msi

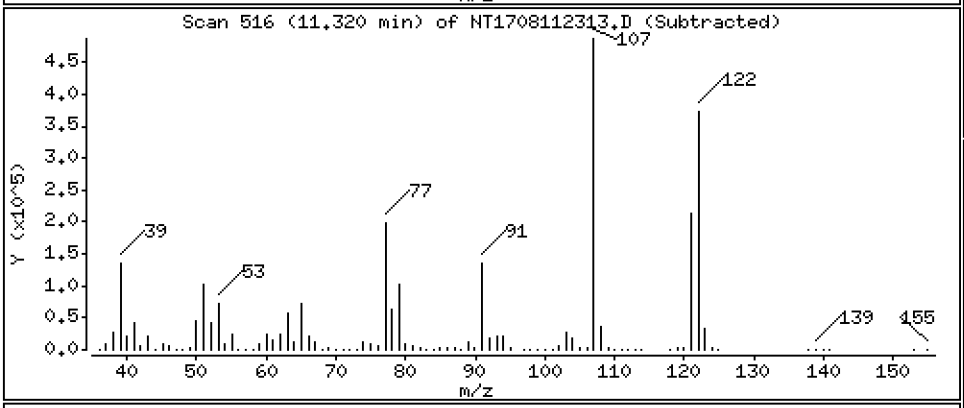
Column diameter: 0.25

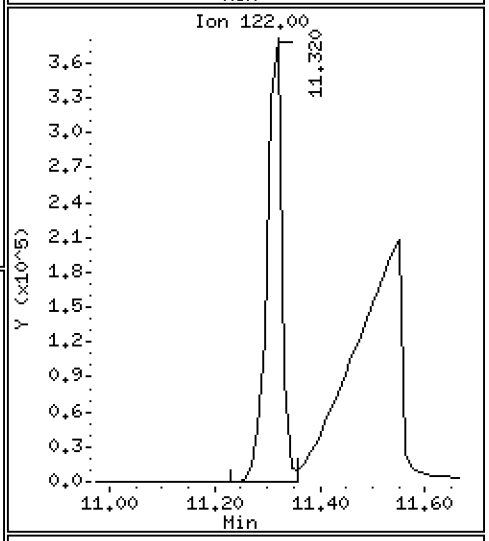
22 2,4-Dimethylphenol

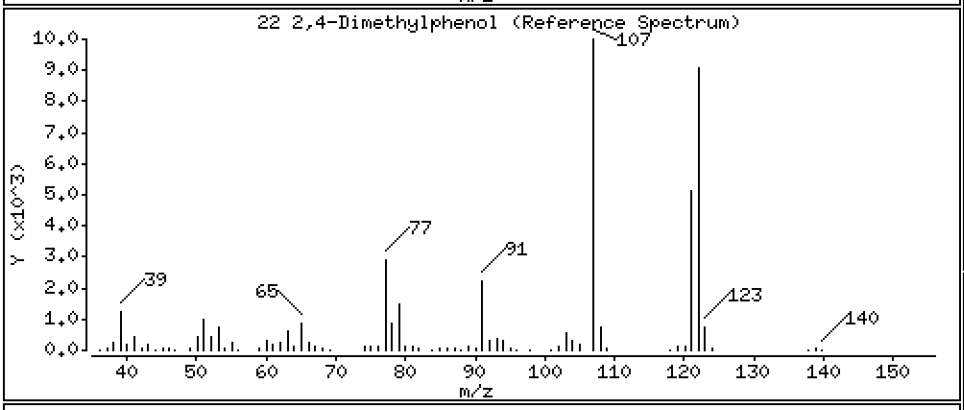
Concentration: 8.112 ug/mL

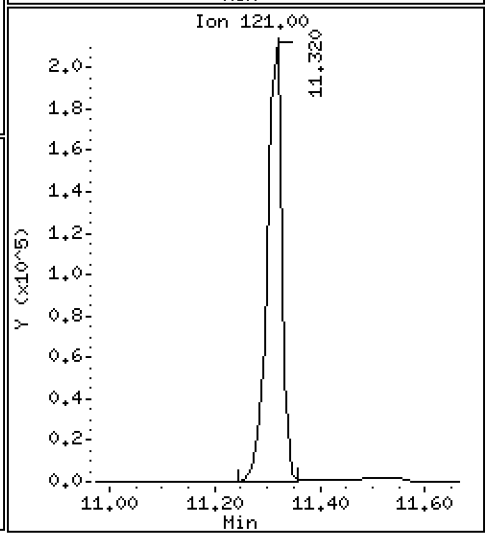


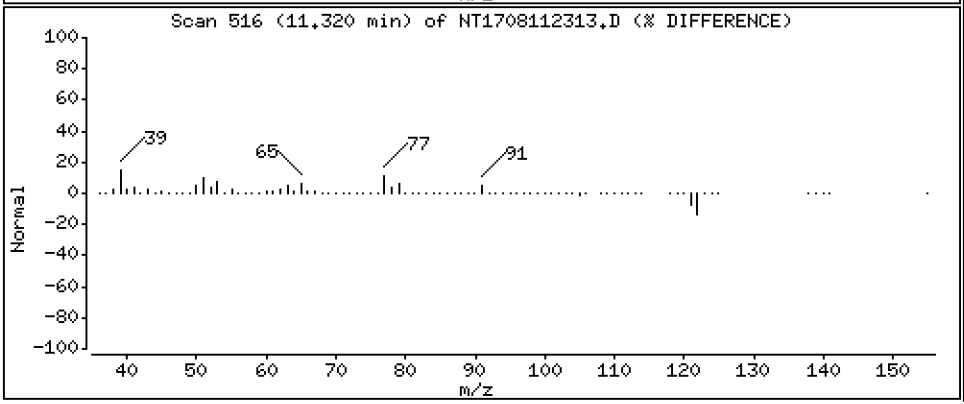












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

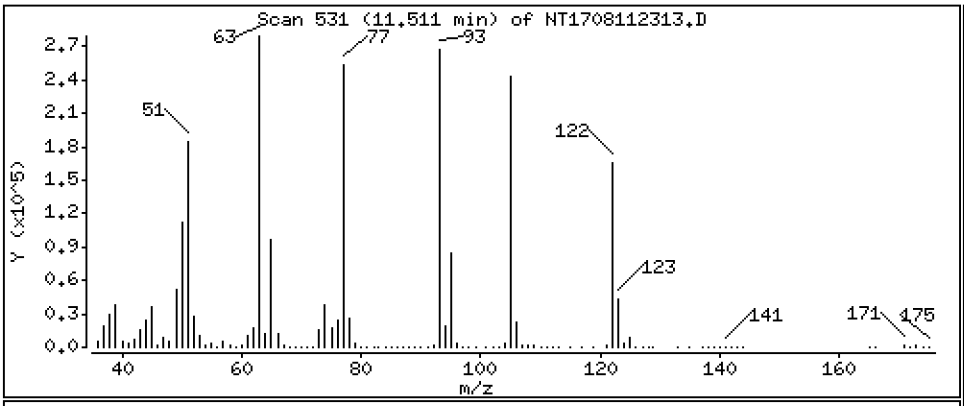
Operator: JGR

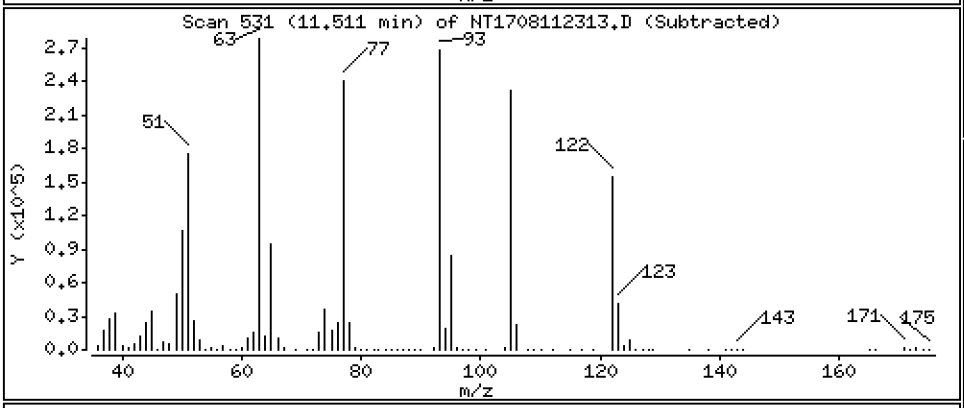
Column phase: ZB-5msi

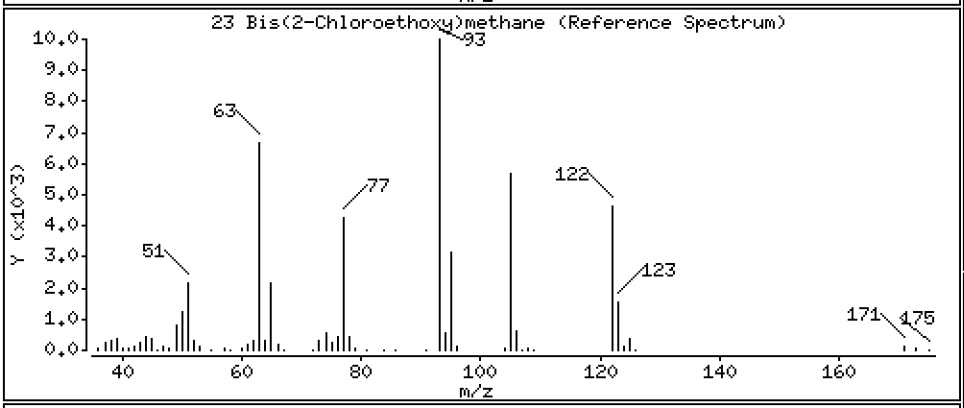
Column diameter: 0.25

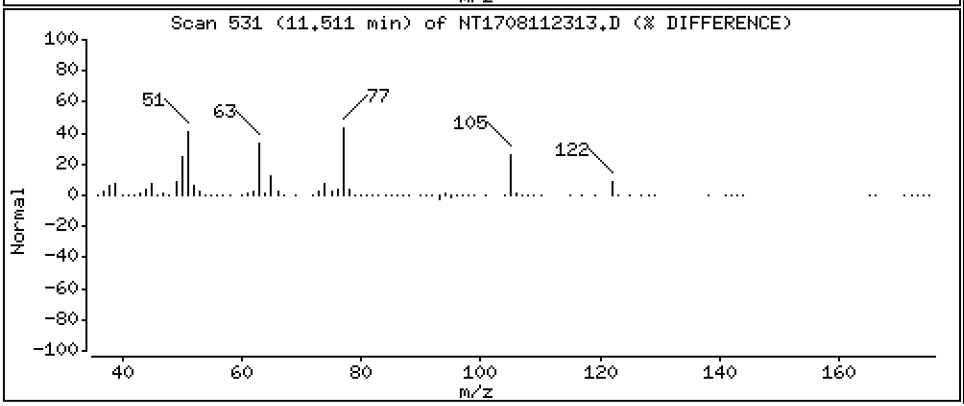
23 Bis(2-Chloroethoxy)methane

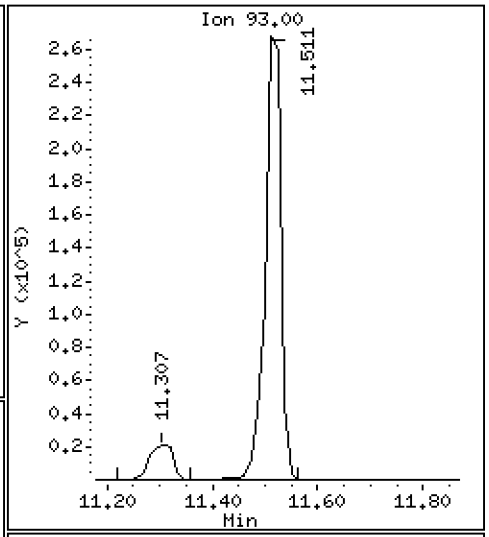
Concentration: 4.051 ug/mL

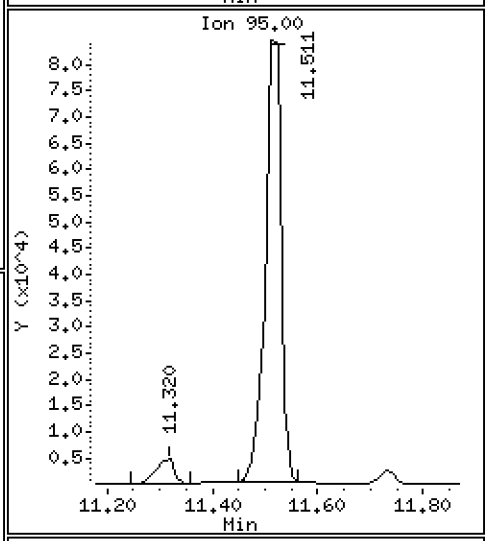


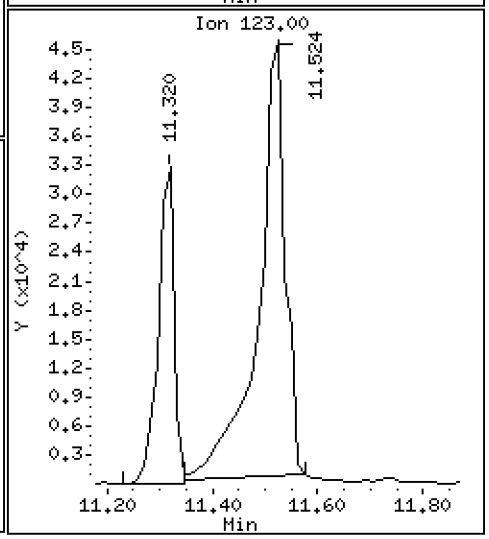












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

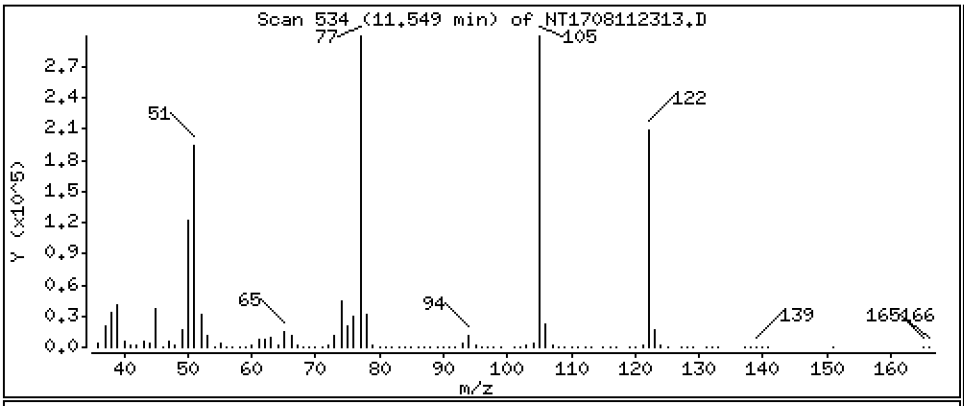
Operator: JGR

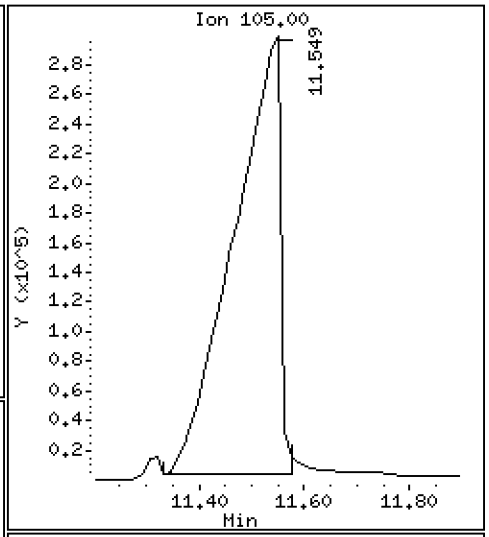
Column phase: ZB-5msi

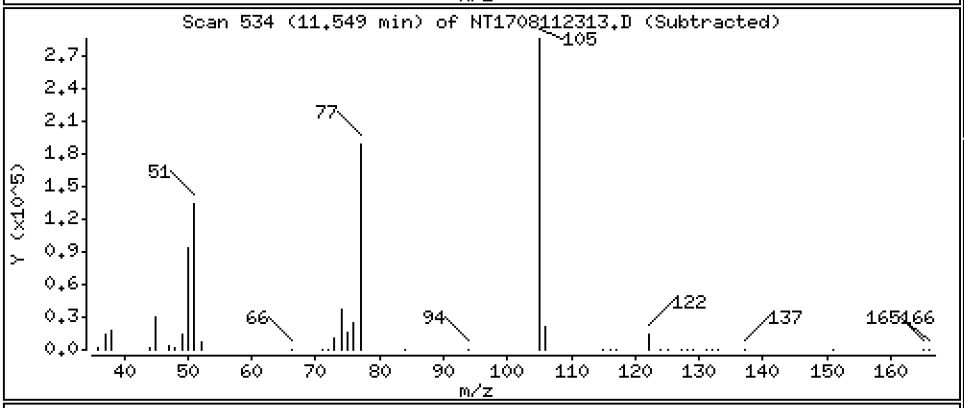
Column diameter: 0.25

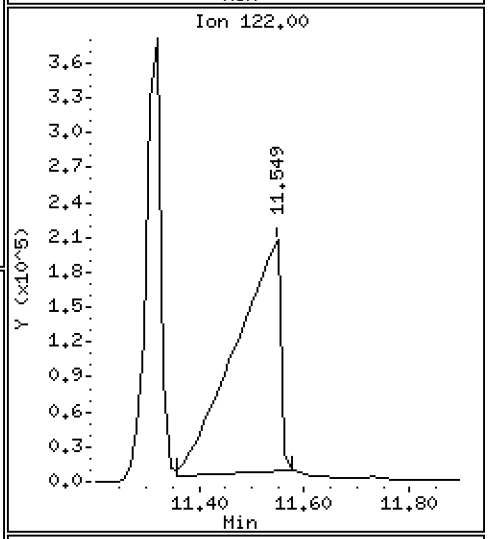
24 Benzoic acid

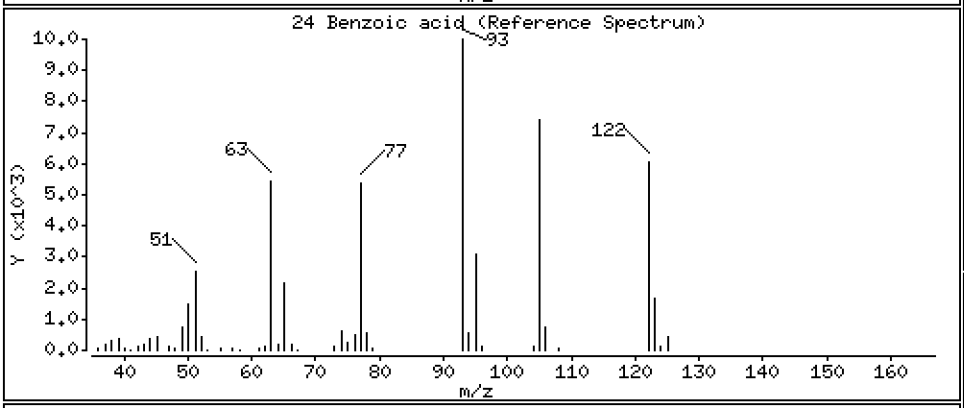
Concentration: 17.66 ug/mL

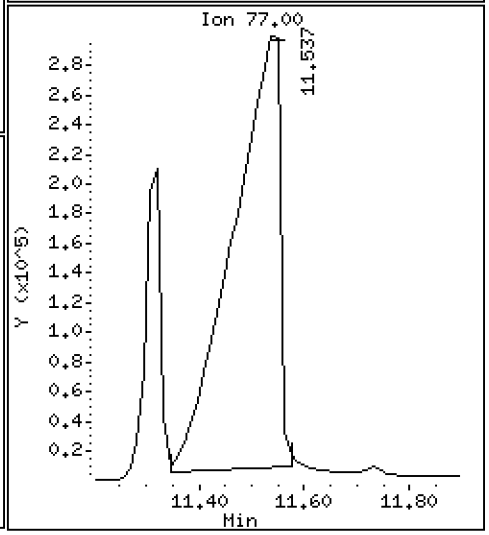


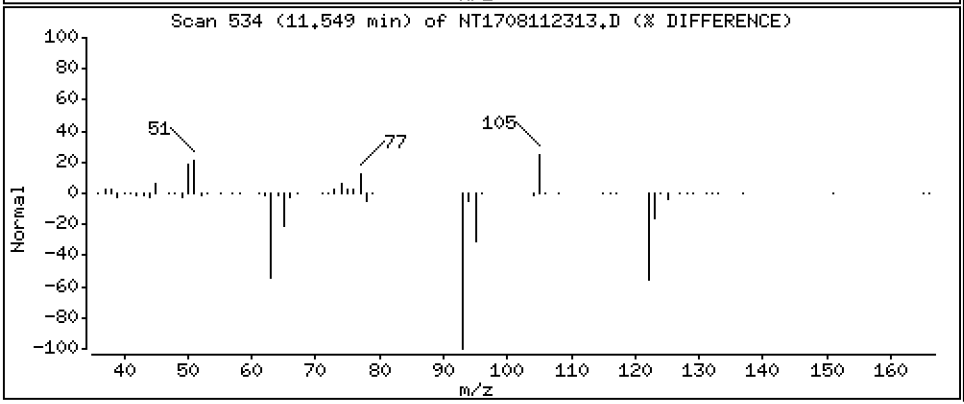












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

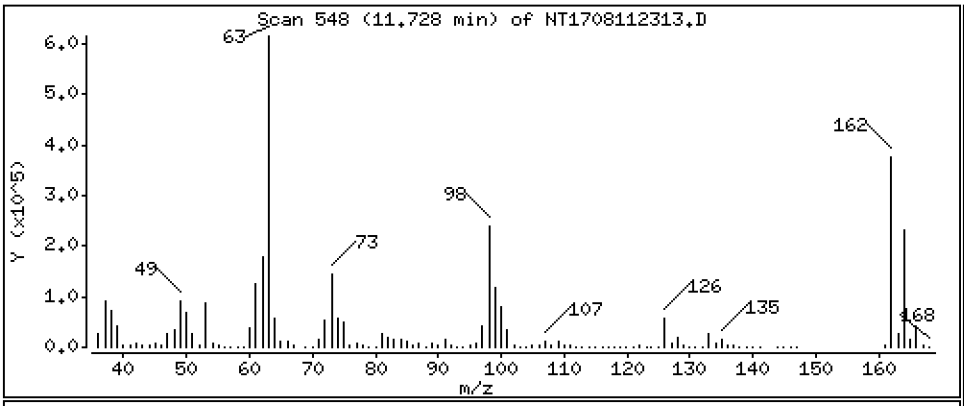
Operator: JGR

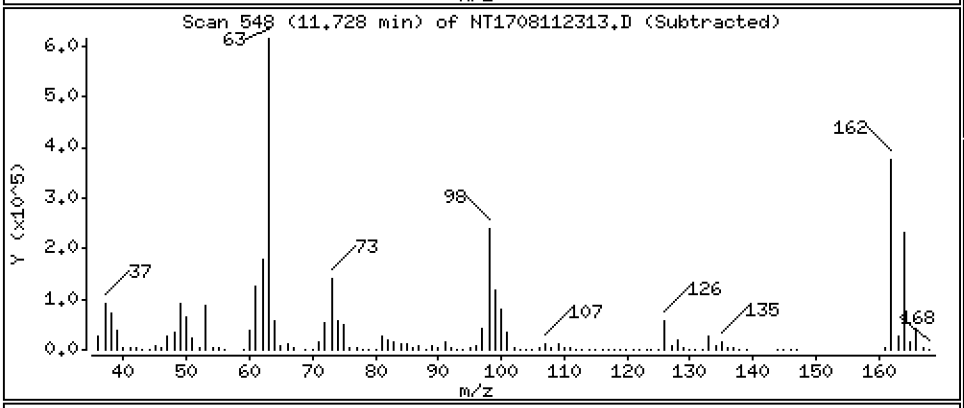
Column phase: ZB-5msi

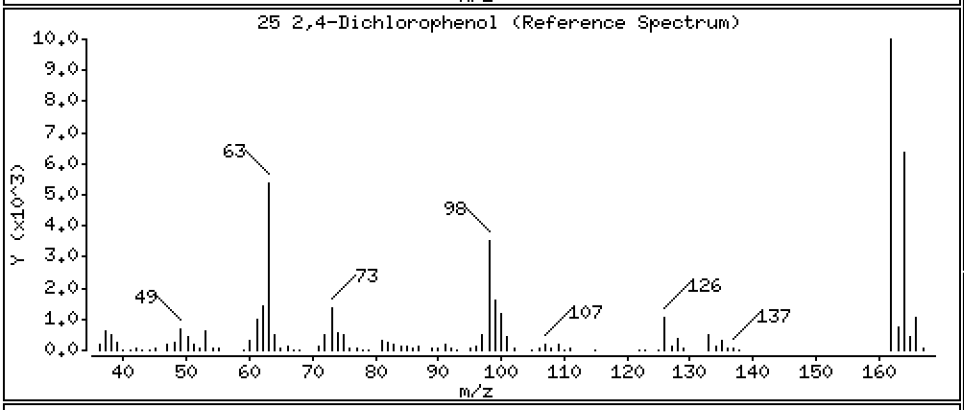
Column diameter: 0.25

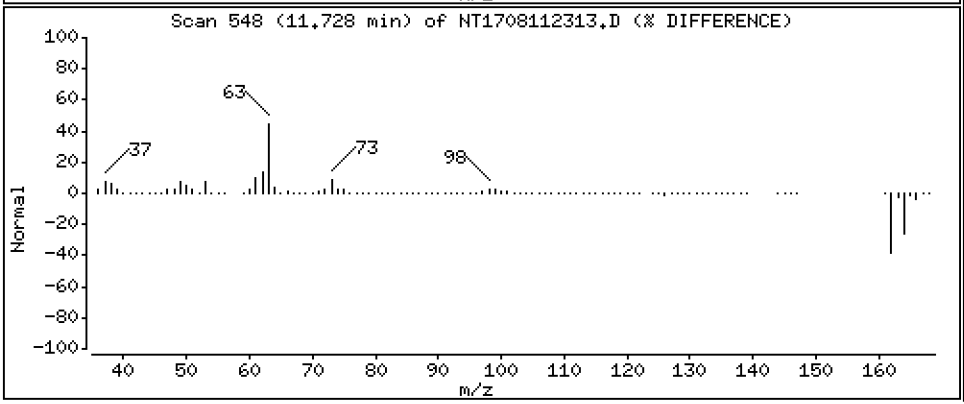
25 2,4-Dichlorophenol

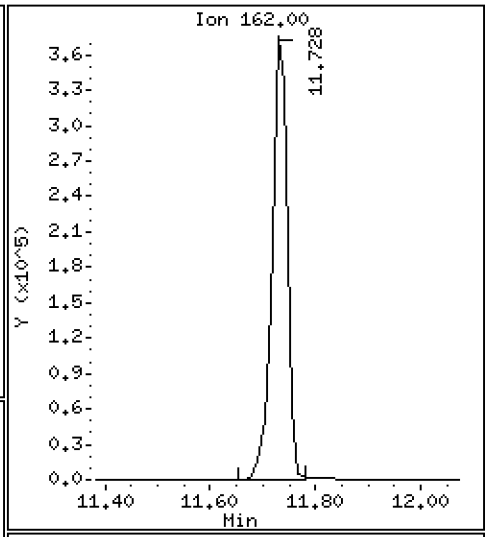
Concentration: 12.08 ug/mL

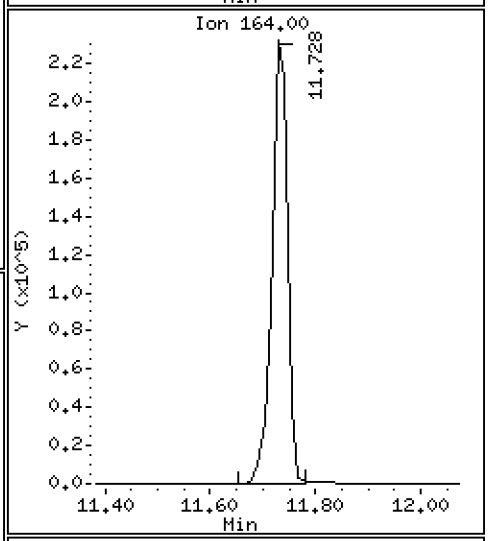


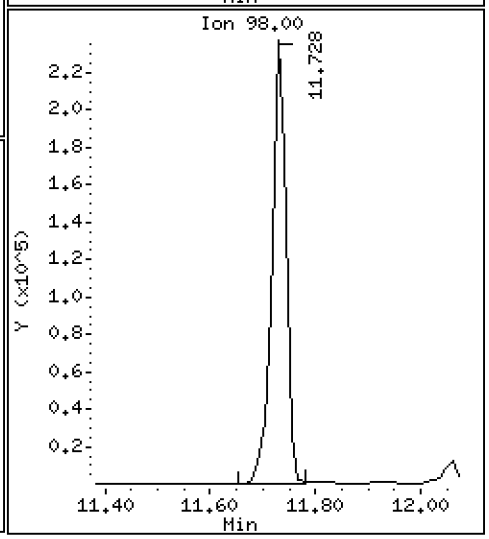












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

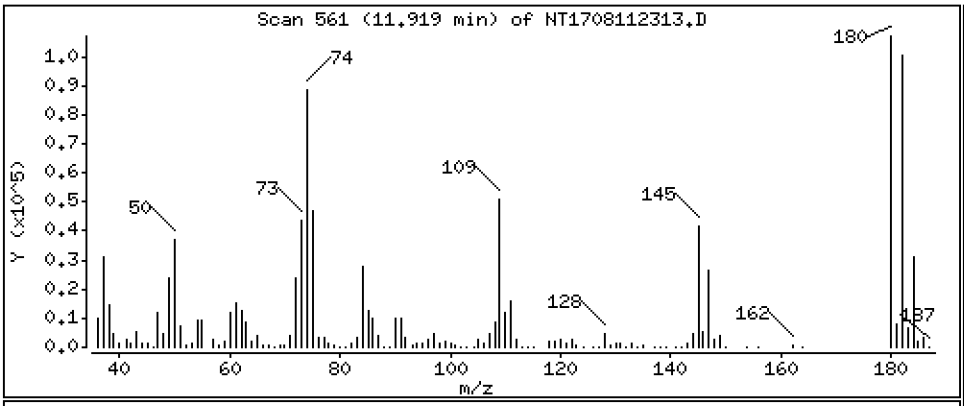
Operator: JGR

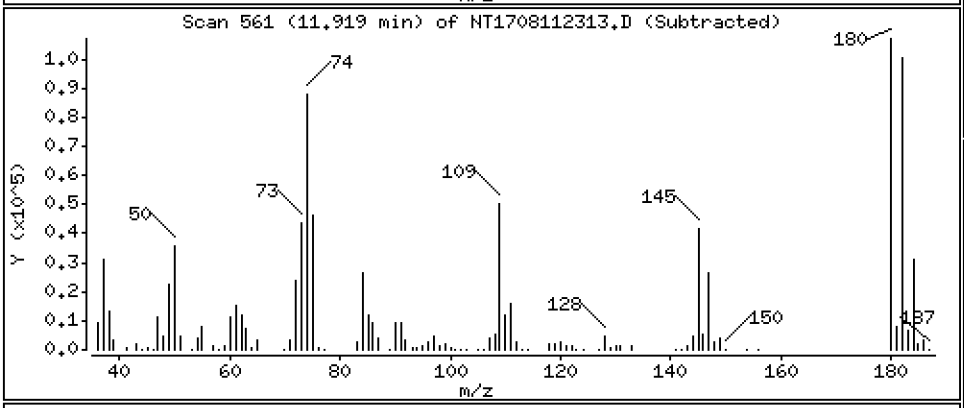
Column phase: ZB-5msi

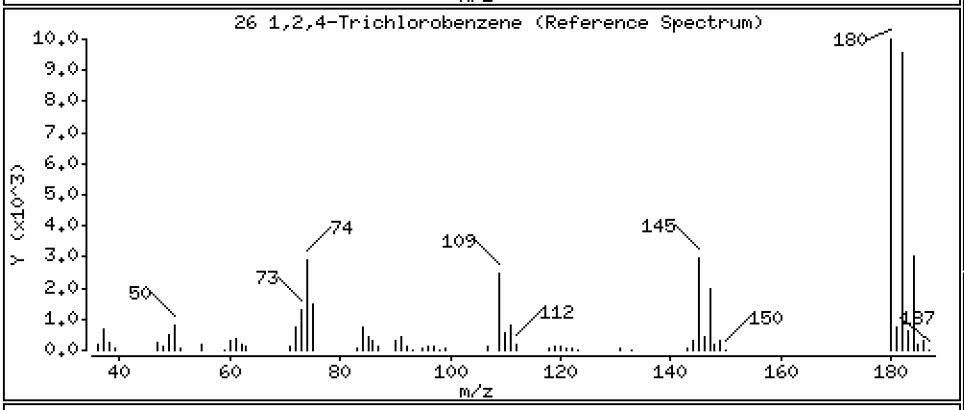
Column diameter: 0.25

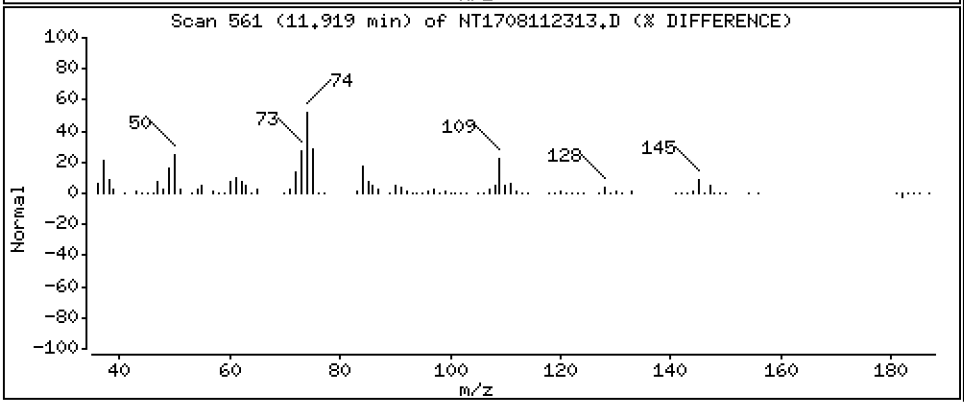
26 1,2,4-Trichlorobenzene

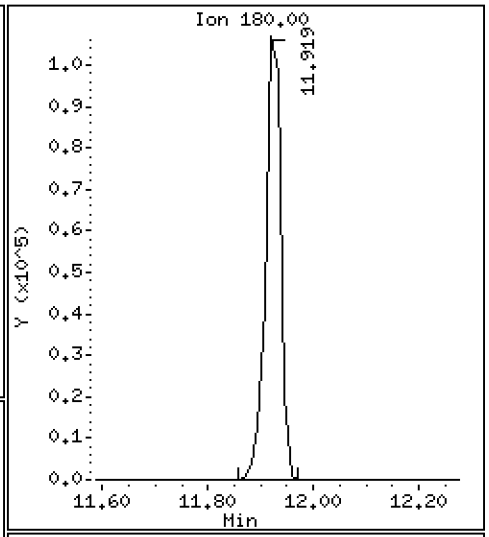
Concentration: 3.097 ug/mL

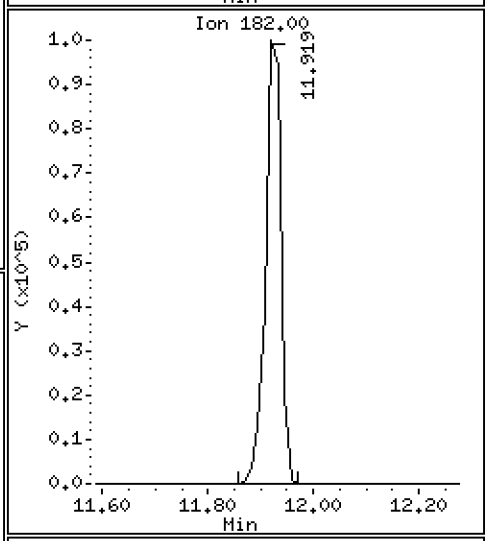


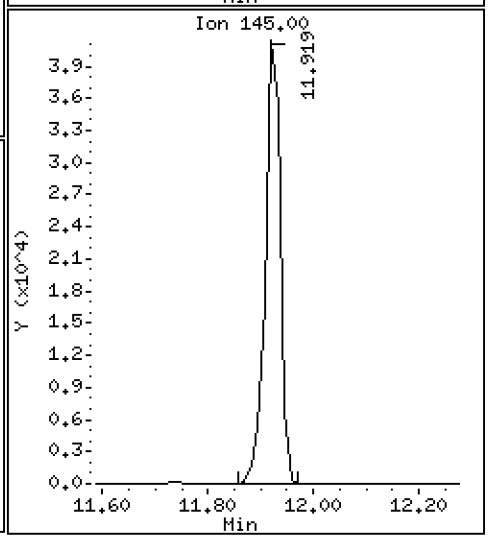












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

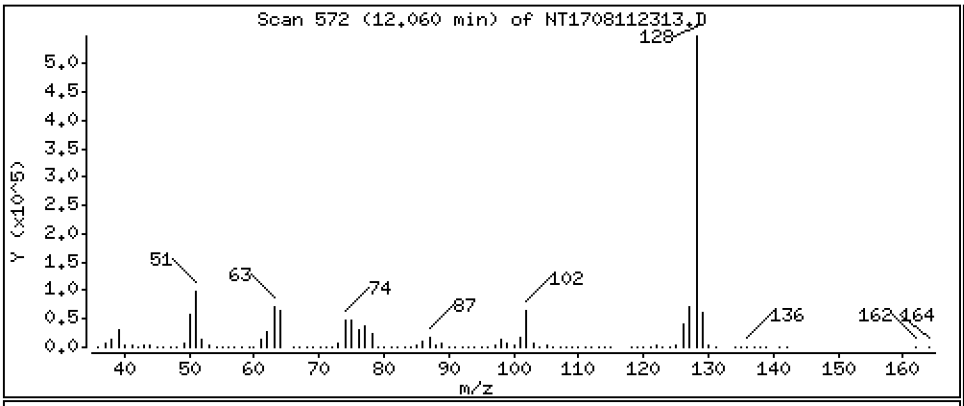
Operator: JGR

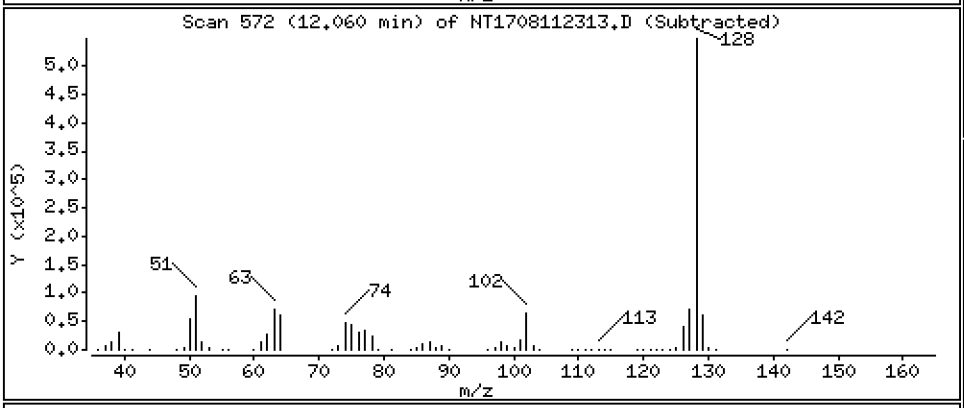
Column phase: ZB-5msi

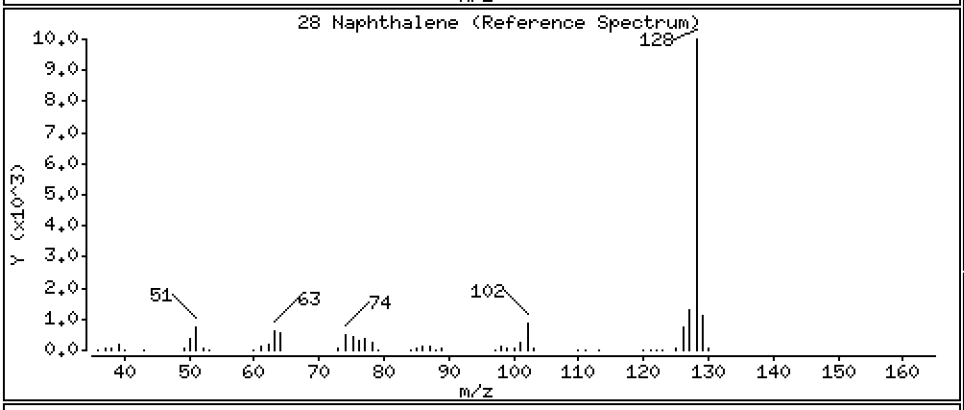
Column diameter: 0.25

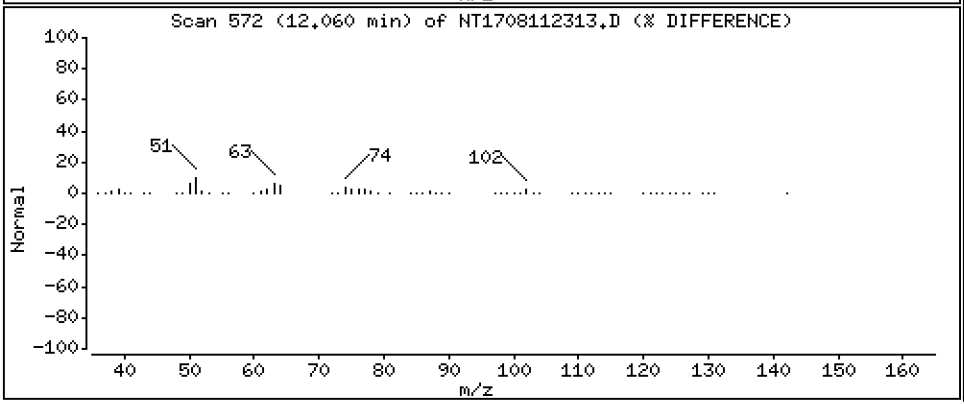
28 Naphthalene

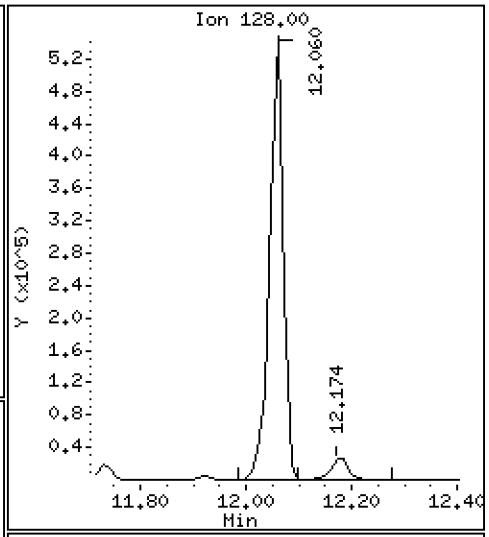
Concentration: 3.490 ug/mL

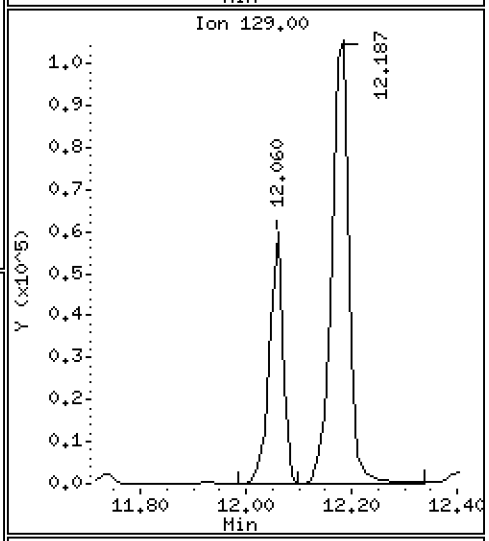


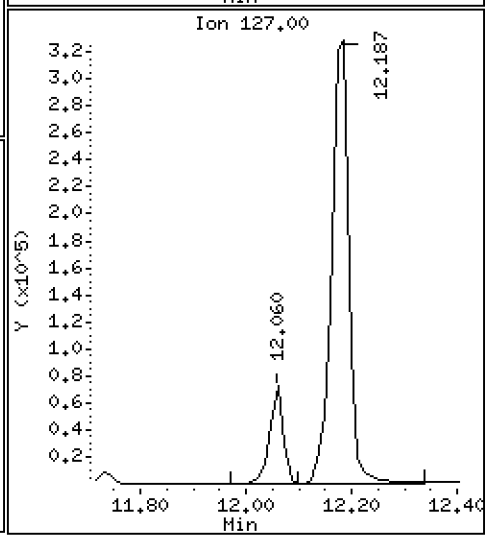












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

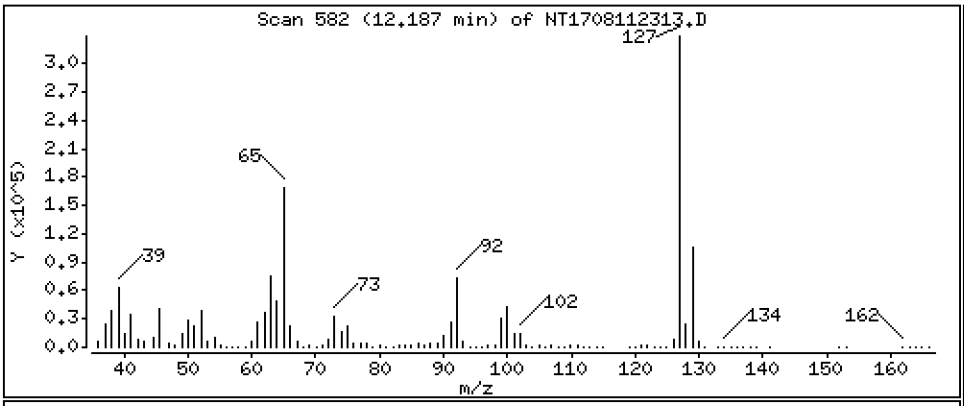
Operator: JGR

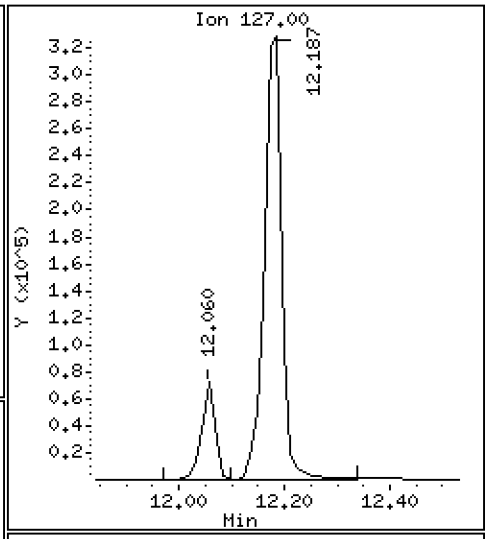
Column phase: ZB-5msi

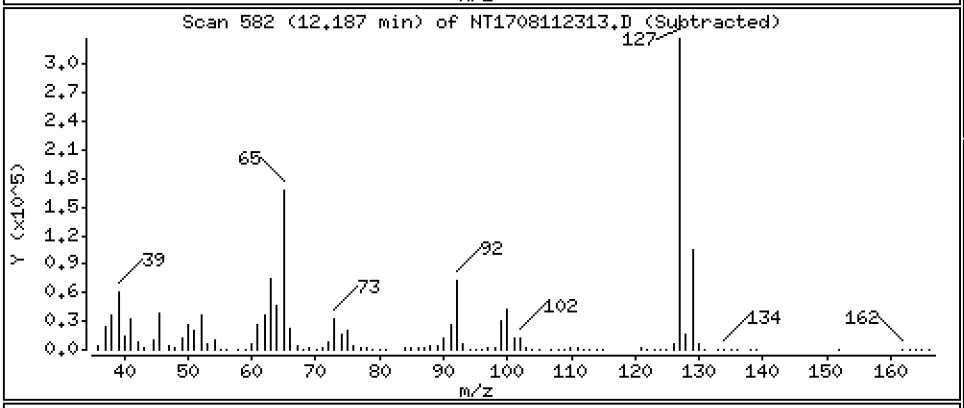
Column diameter: 0.25

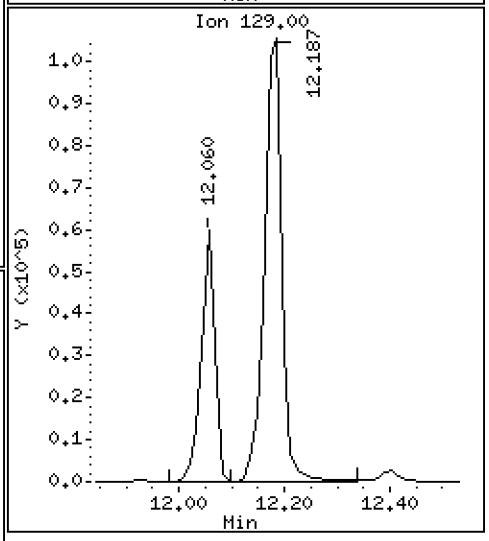
29 4-Chloroaniline

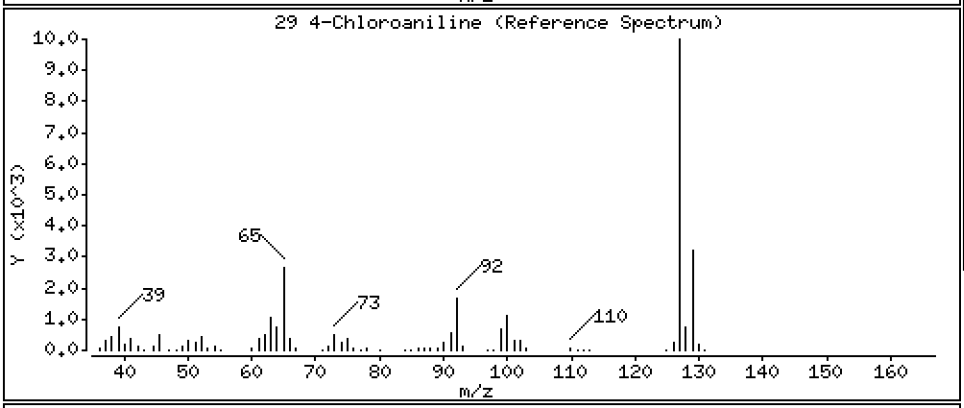
Concentration: 6.599 ug/mL

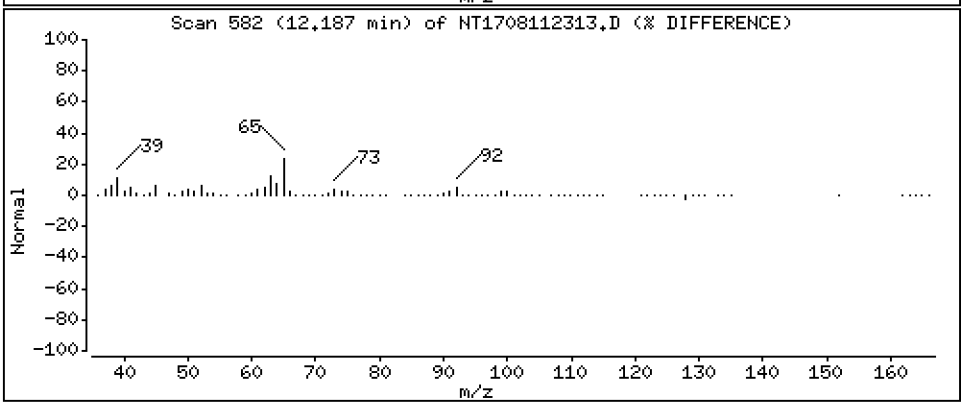












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

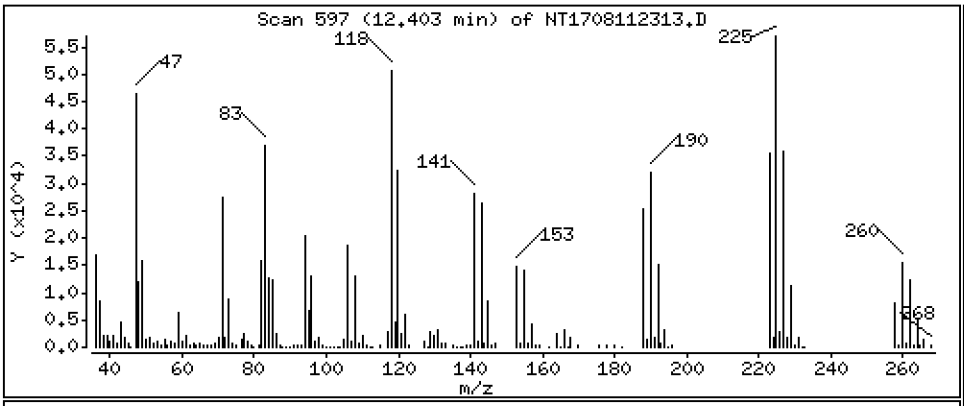
Operator: JGR

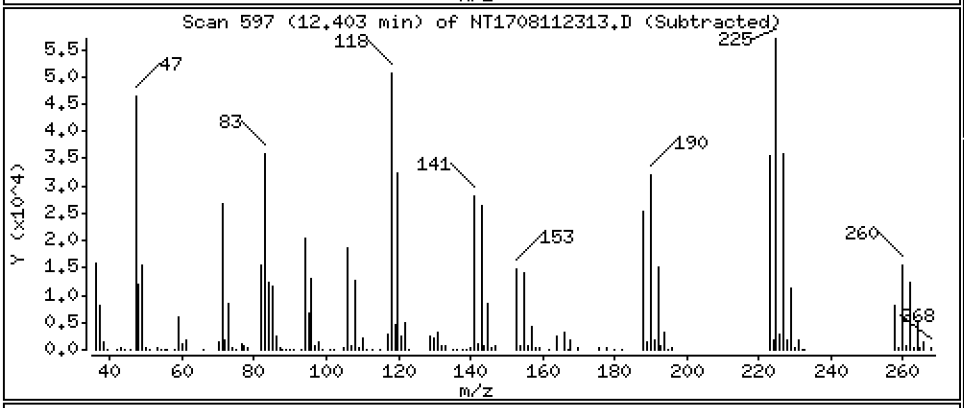
Column phase: ZB-5msi

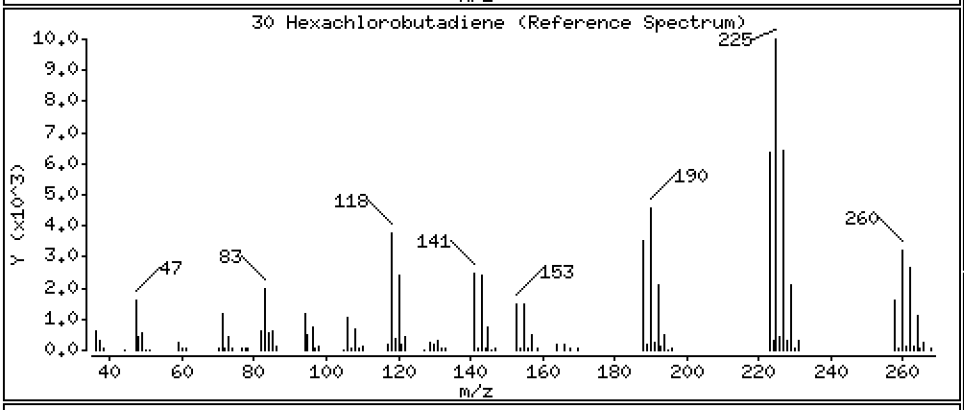
Column diameter: 0.25

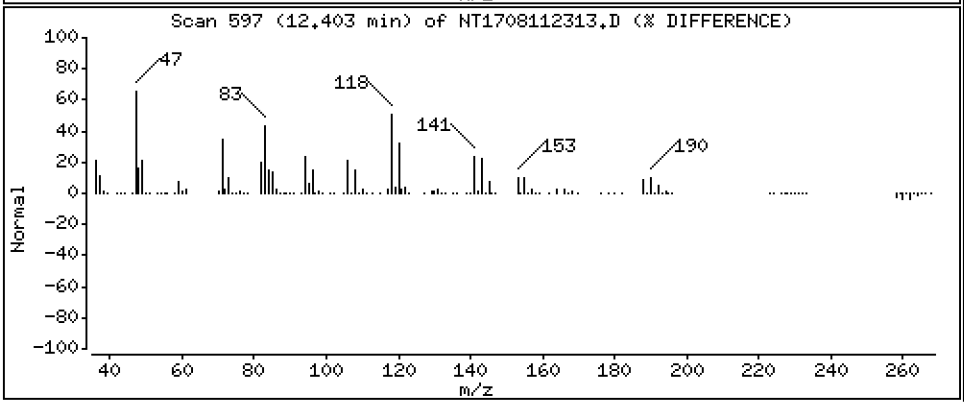
30 Hexachlorobutadiene

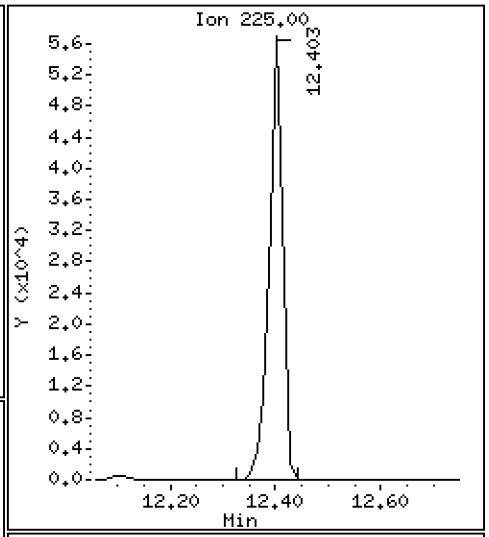
Concentration: 3.147 ug/mL

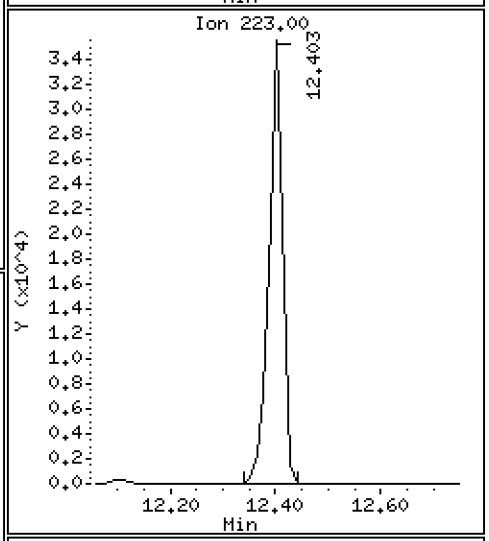


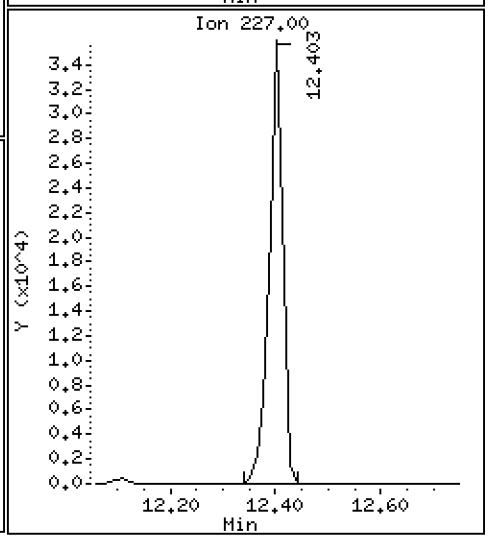












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

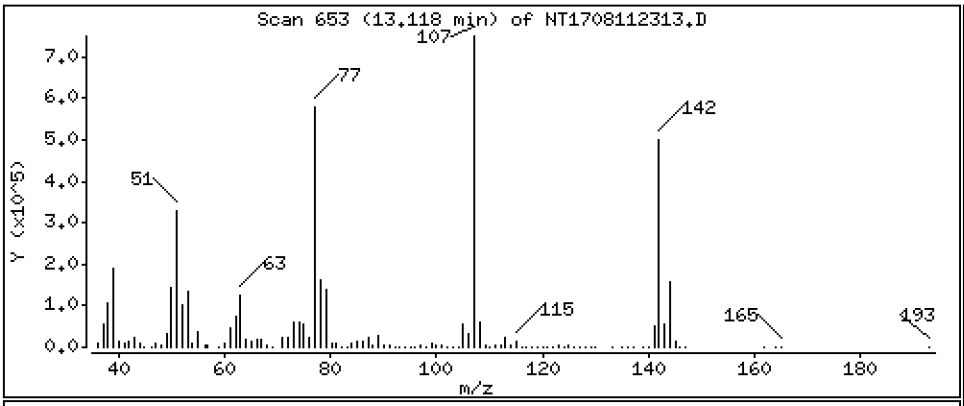
Operator: JGR

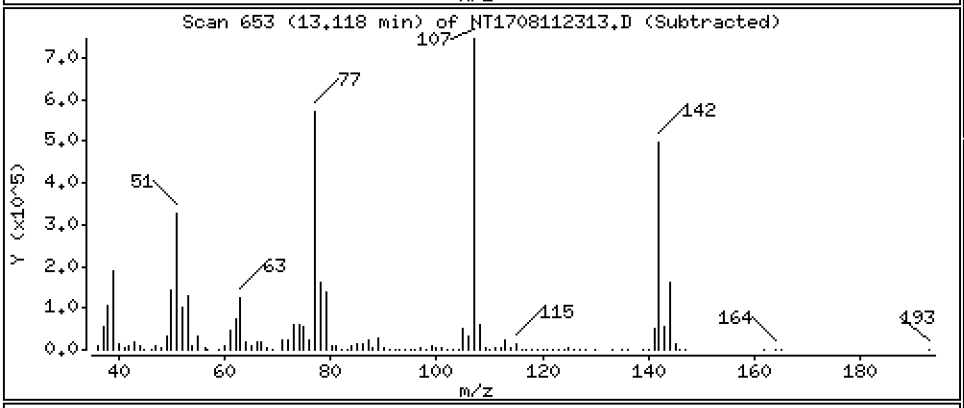
Column phase: ZB-5msi

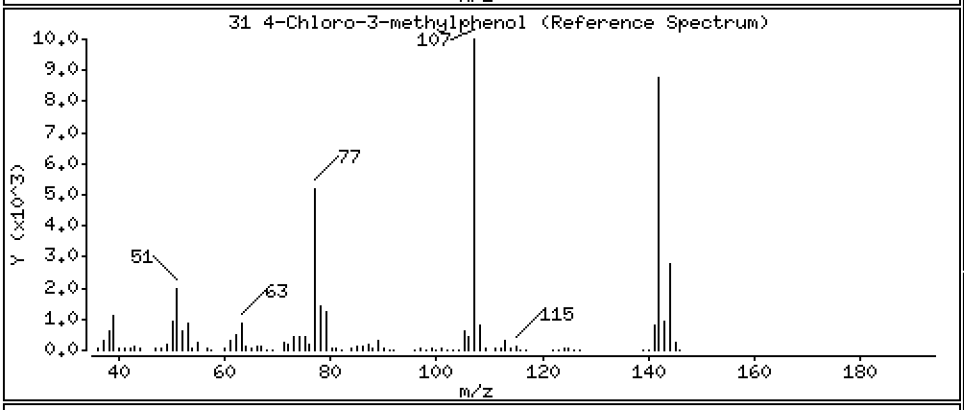
Column diameter: 0.25

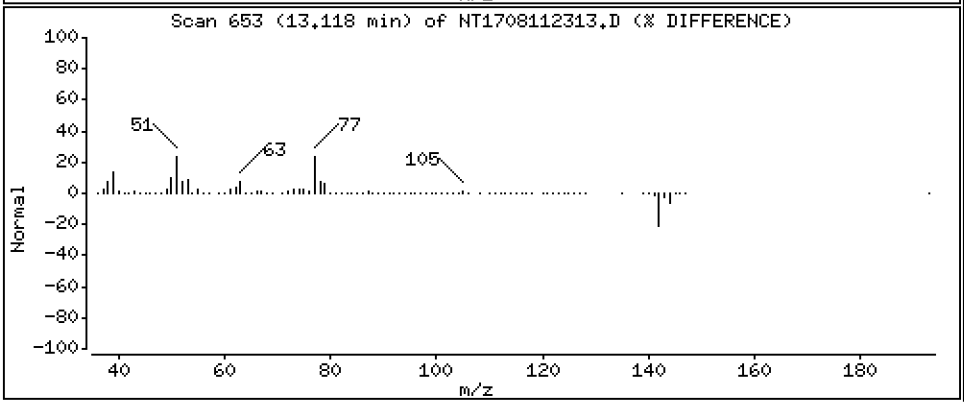
31 4-Chloro-3-methylphenol

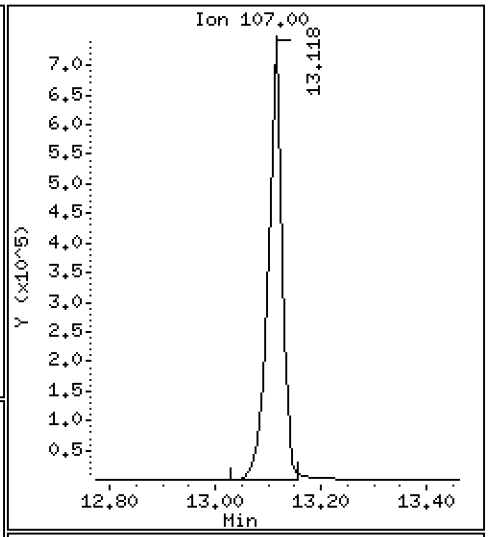
Concentration: 11.47 ug/mL

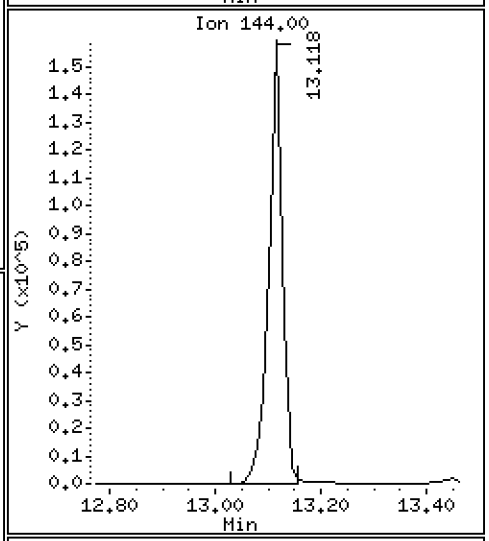


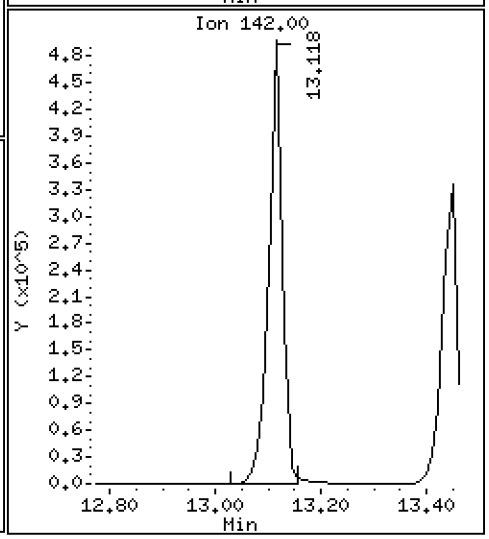












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

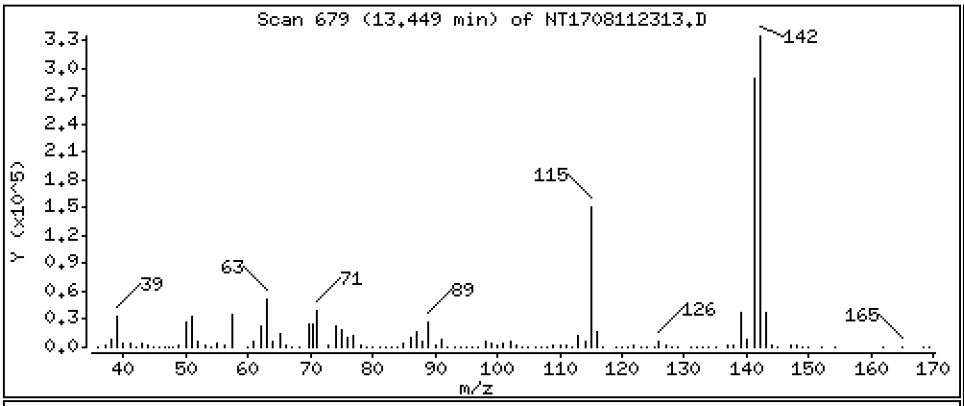
Operator: JGR

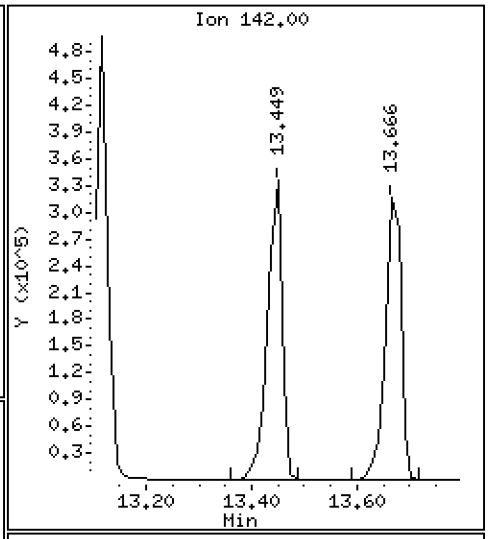
Column phase: ZB-5msi

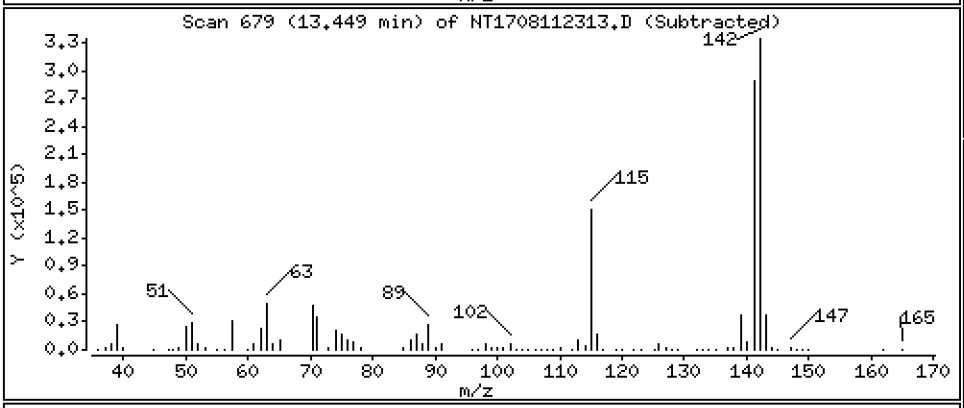
Column diameter: 0.25

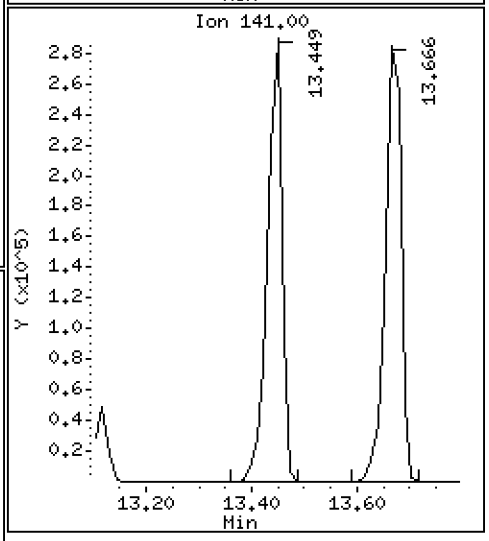
32 2-Methylnaphthalene

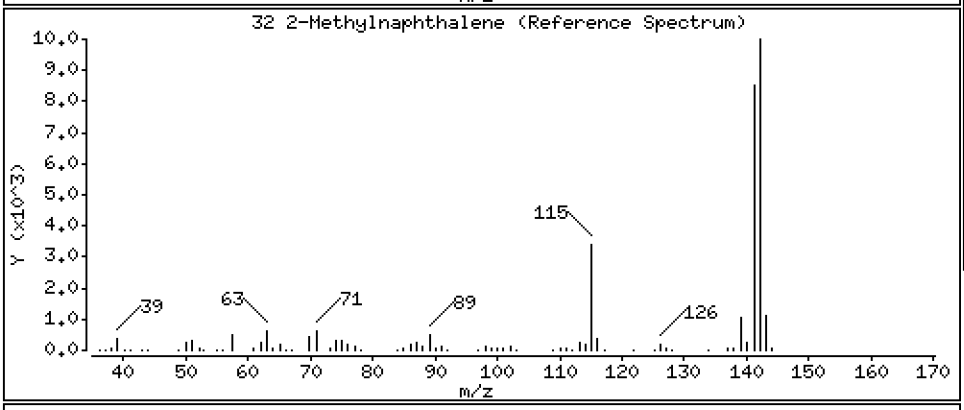
Concentration: 3.290 ug/mL

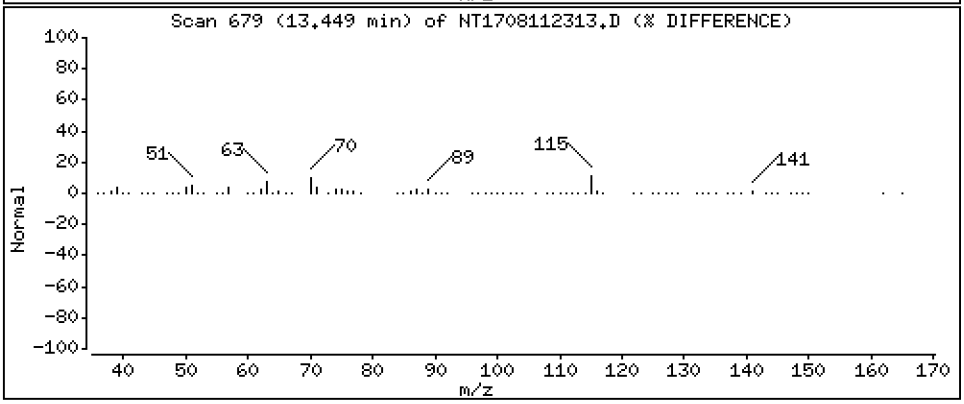












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

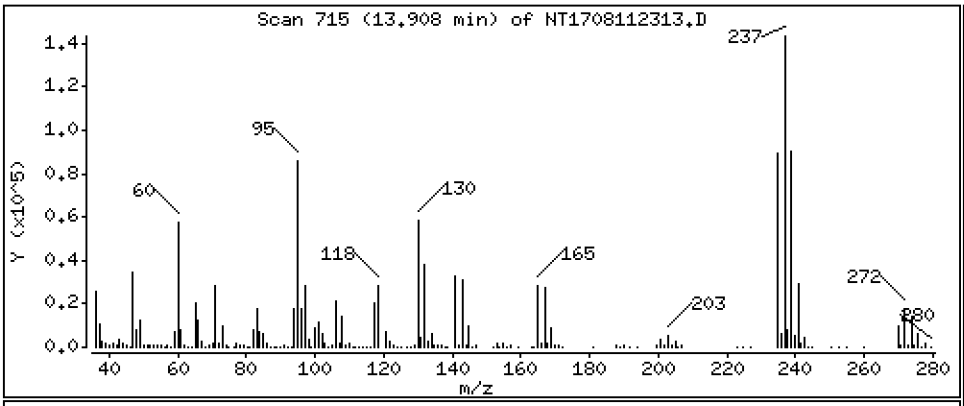
Operator: JGR

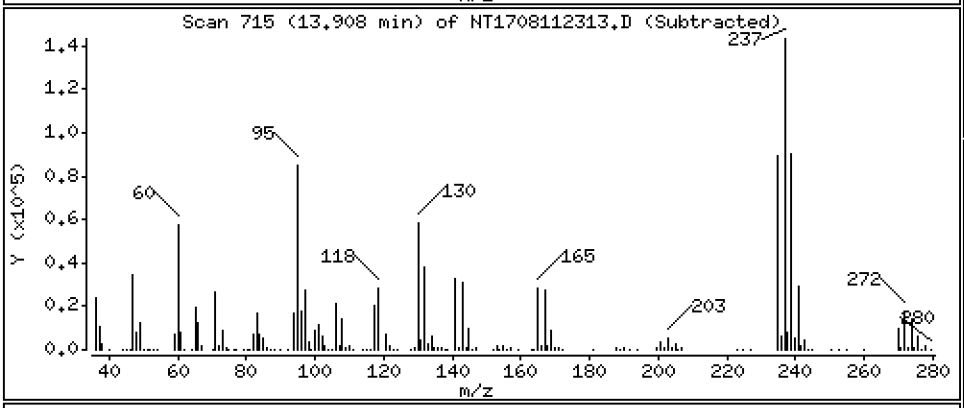
Column phase: ZB-5msi

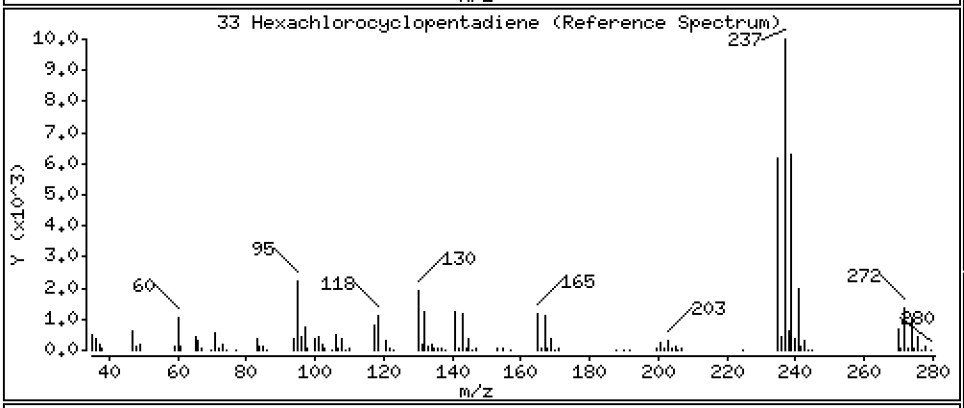
Column diameter: 0.25

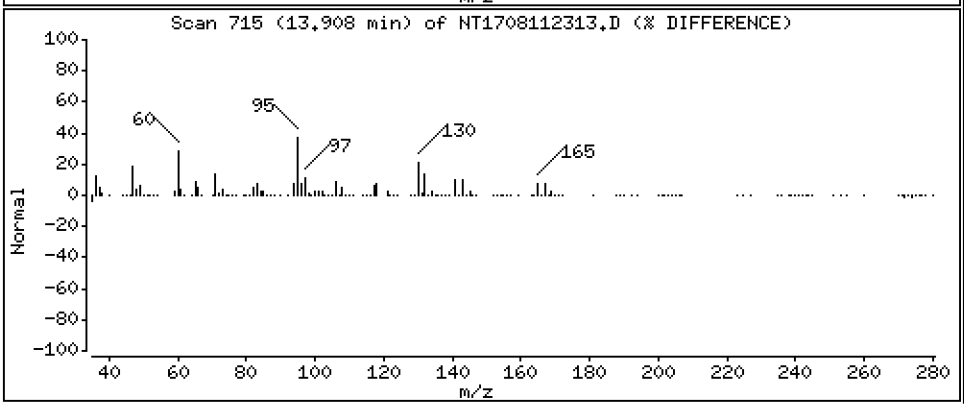
33 Hexachlorocyclopentadiene

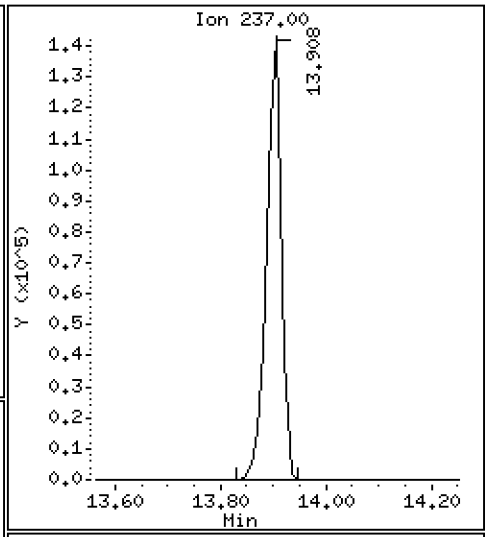
Concentration: 6.201 ug/mL

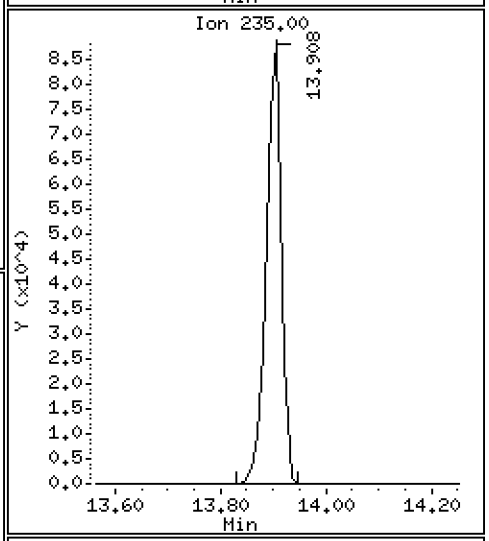


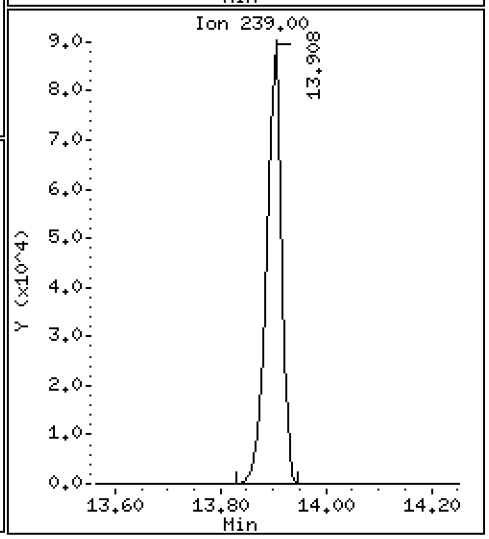












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

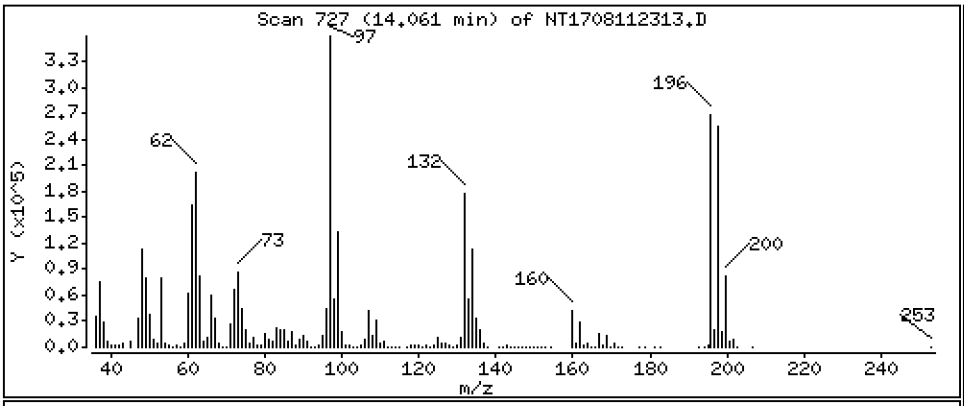
Operator: JGR

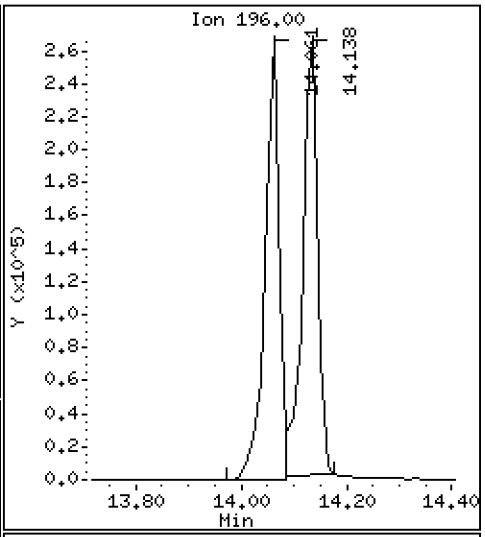
Column phase: ZB-5msi

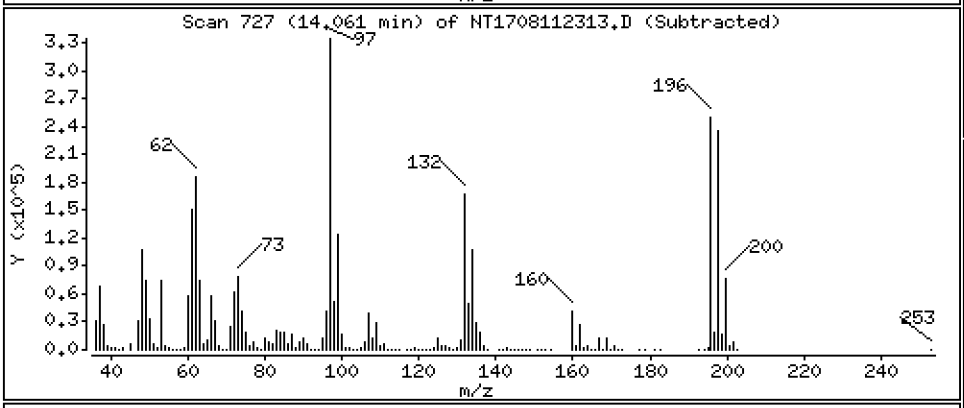
Column diameter: 0.25

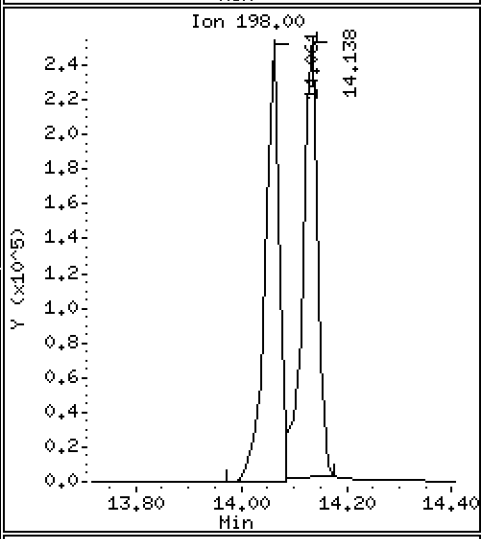
34 2,4,6-Trichlorophenol

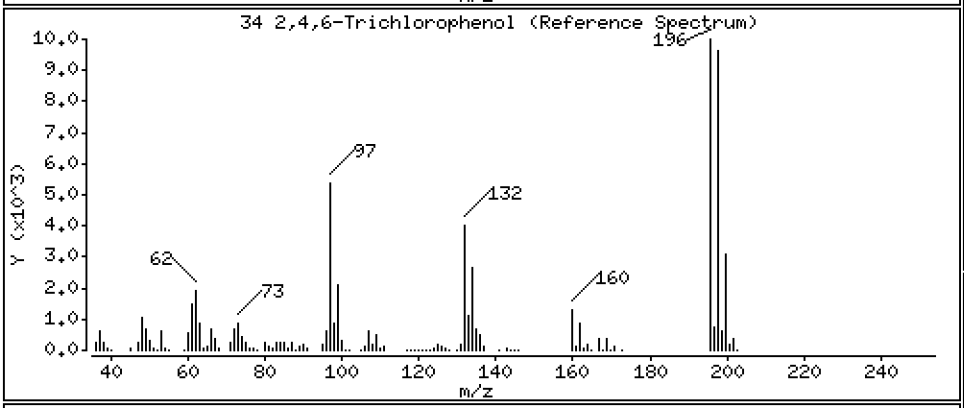
Concentration: 10.41 ug/mL

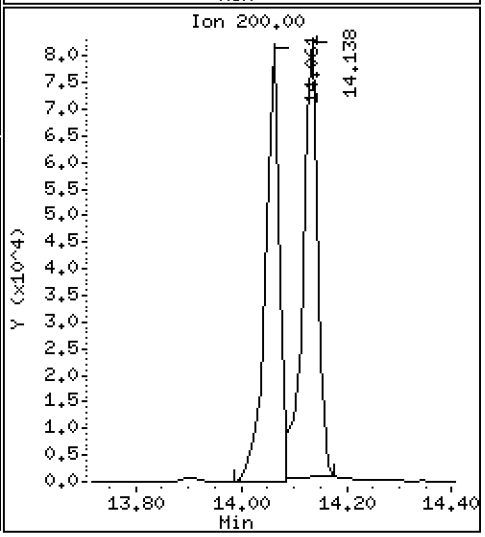


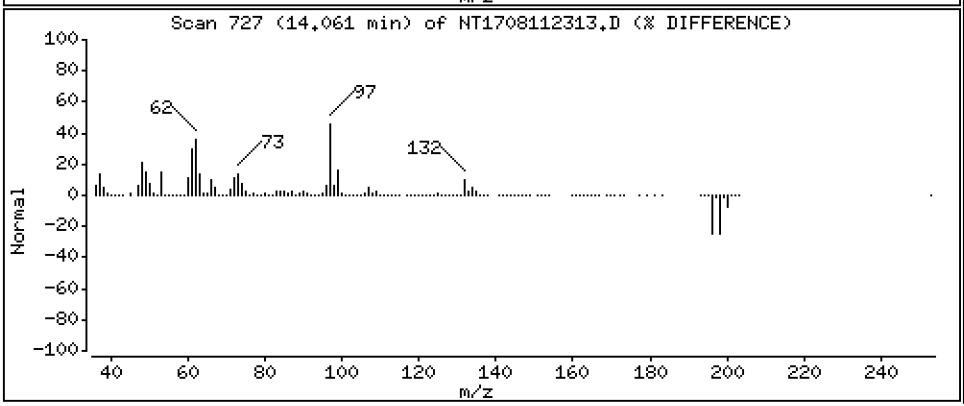












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

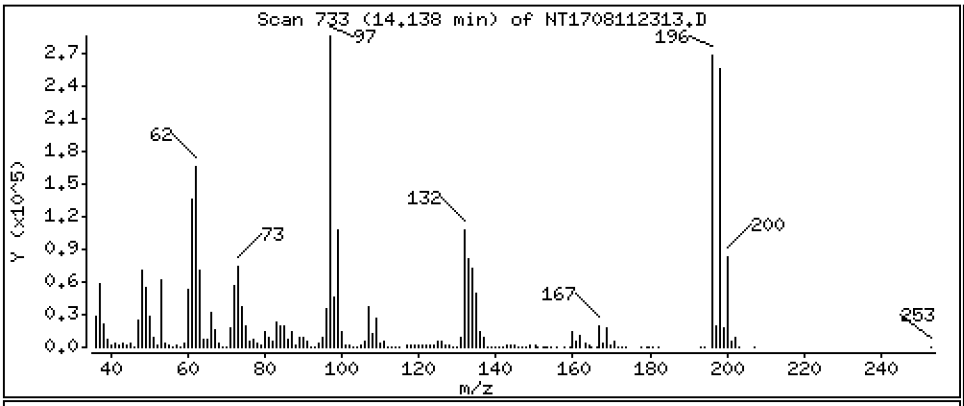
Operator: JGR

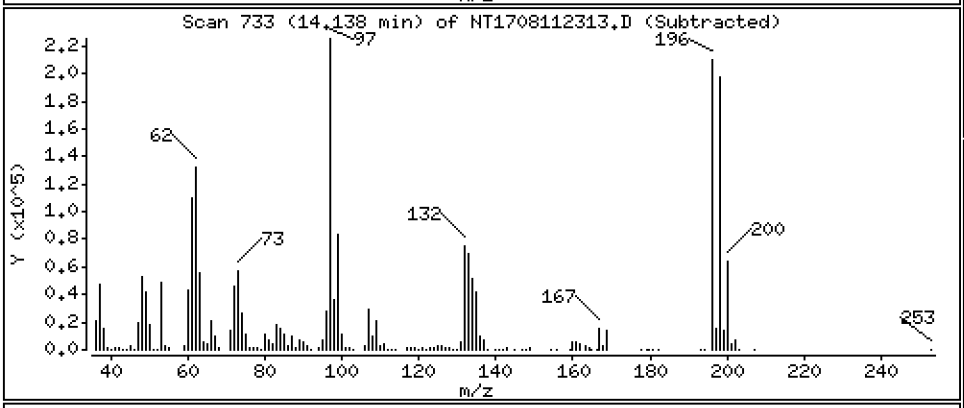
Column phase: ZB-5msi

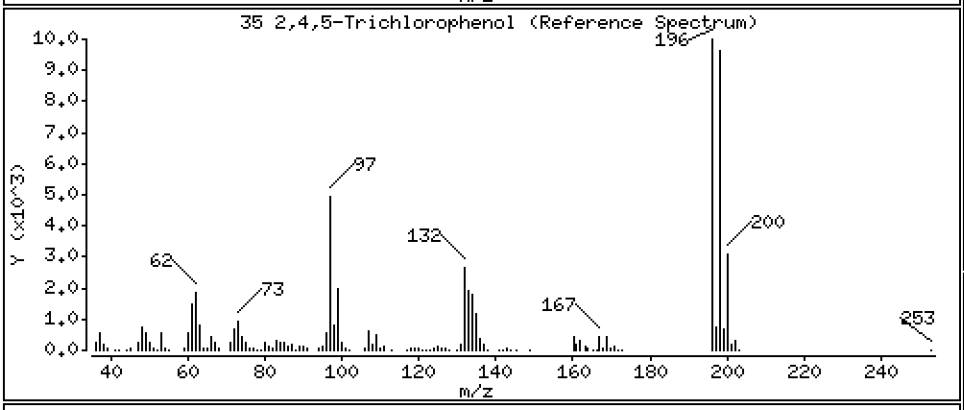
Column diameter: 0.25

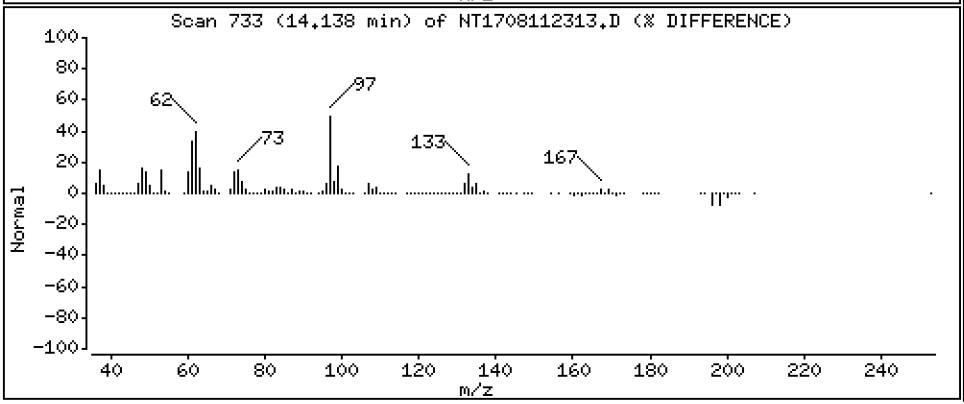
35 2,4,5-Trichlorophenol

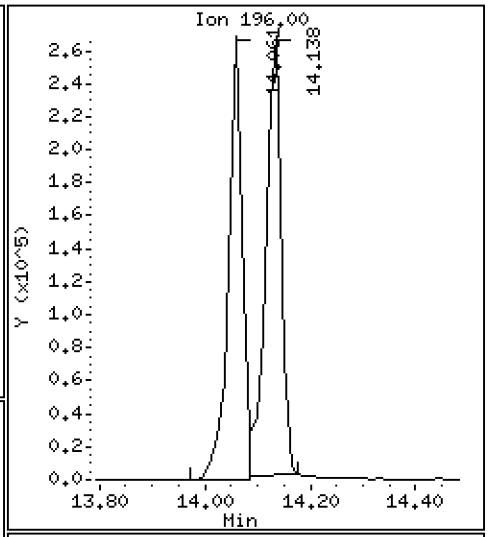
Concentration: 12.16 ug/mL

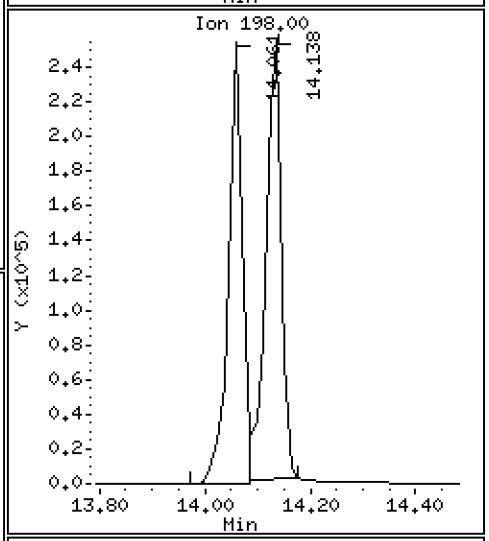


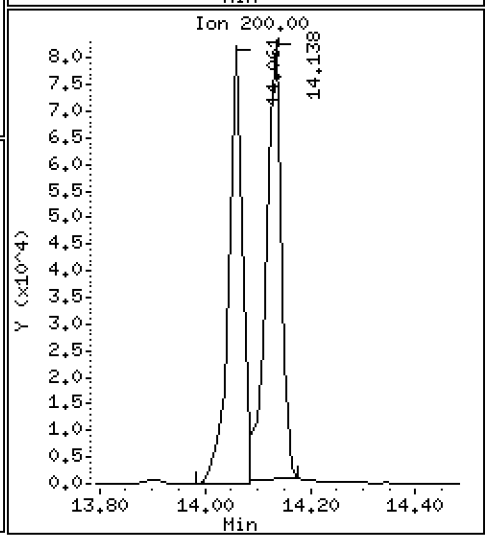












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

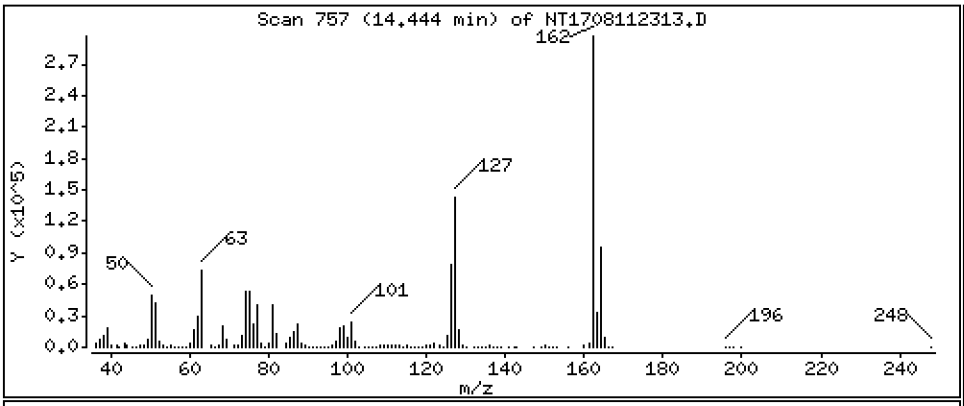
Operator: JGR

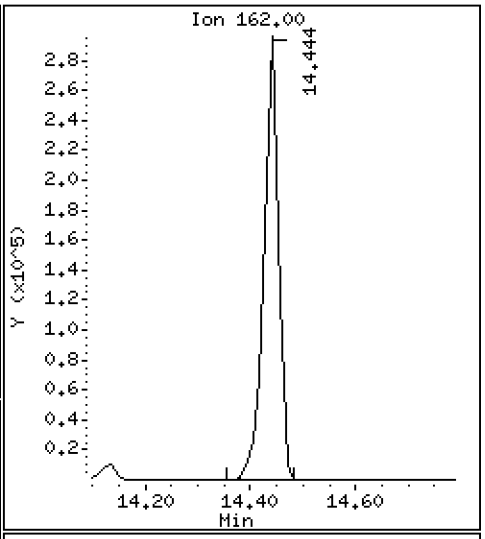
Column phase: ZB-5msi

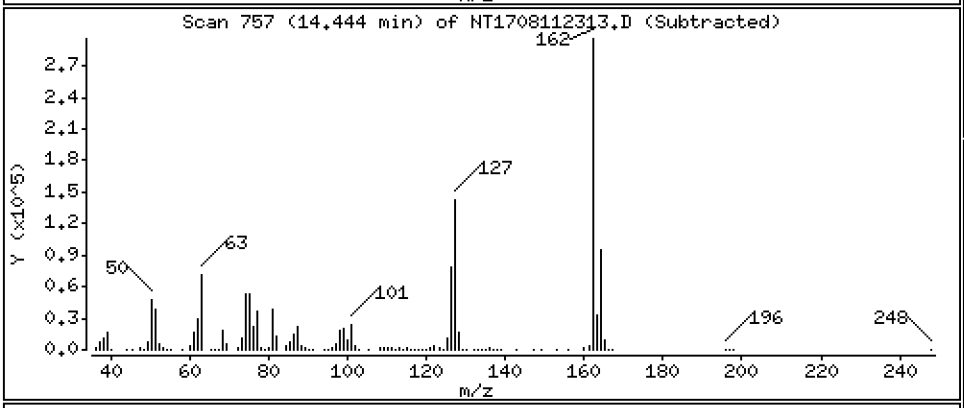
Column diameter: 0.25

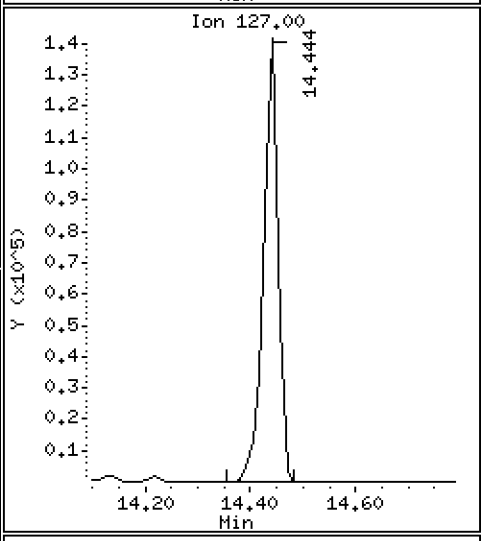
37 2-Chloronaphthalene

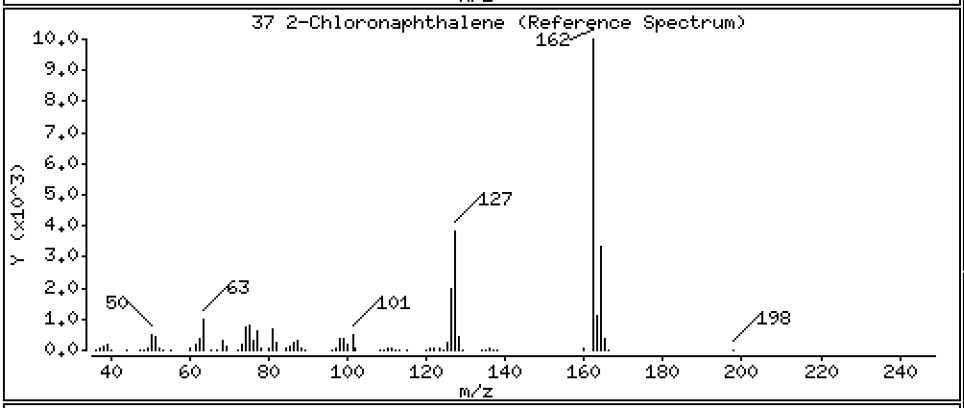
Concentration: 3.551 ug/mL

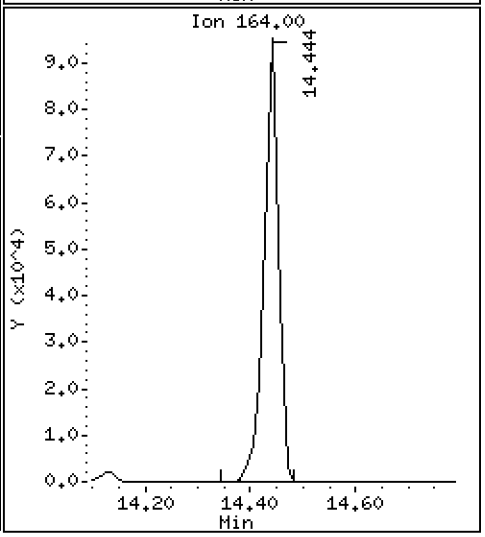


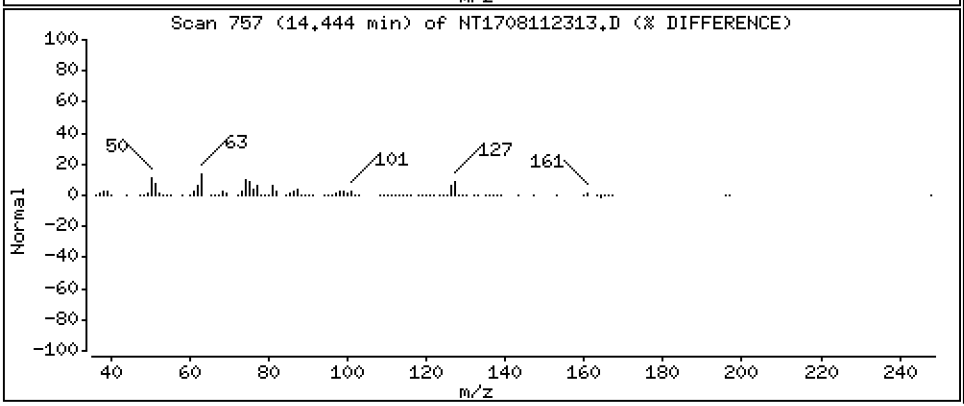












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

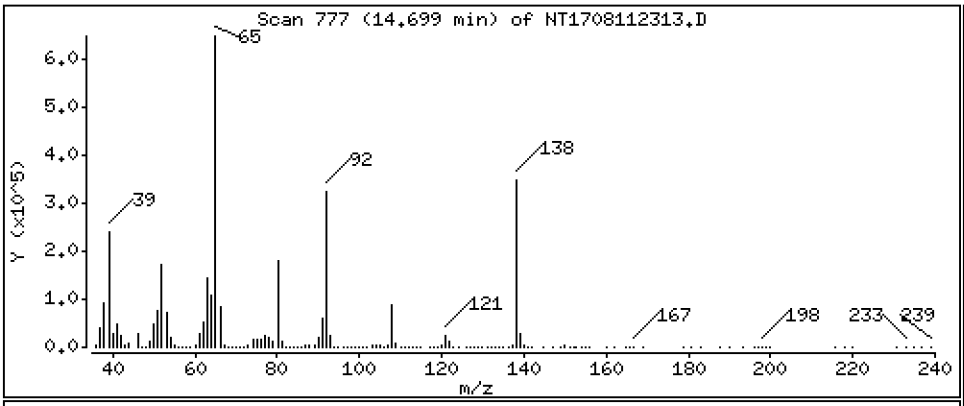
Operator: JGR

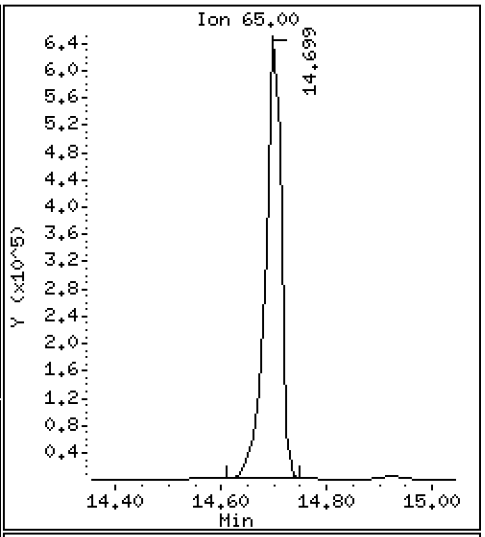
Column phase: ZB-5msi

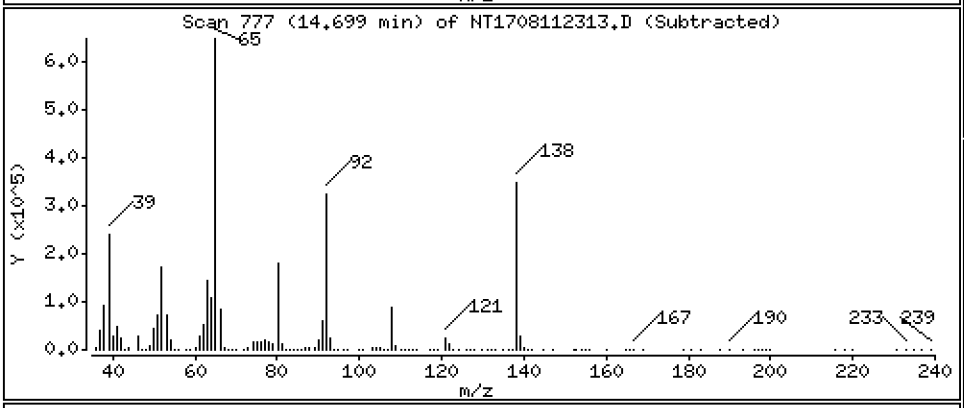
Column diameter: 0.25

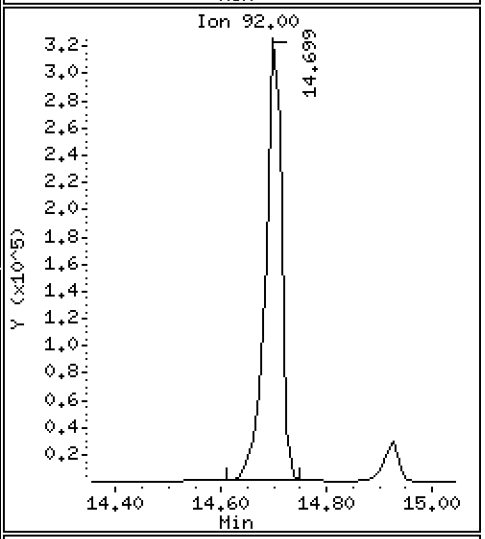
38 2-Nitroaniline

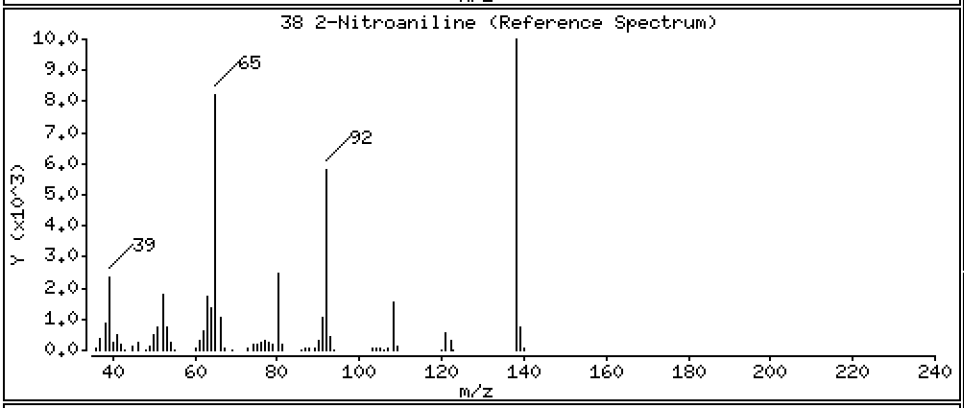
Concentration: 10.67 ug/mL

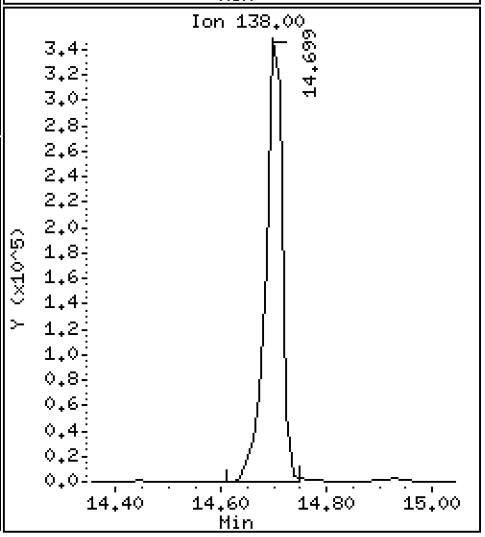


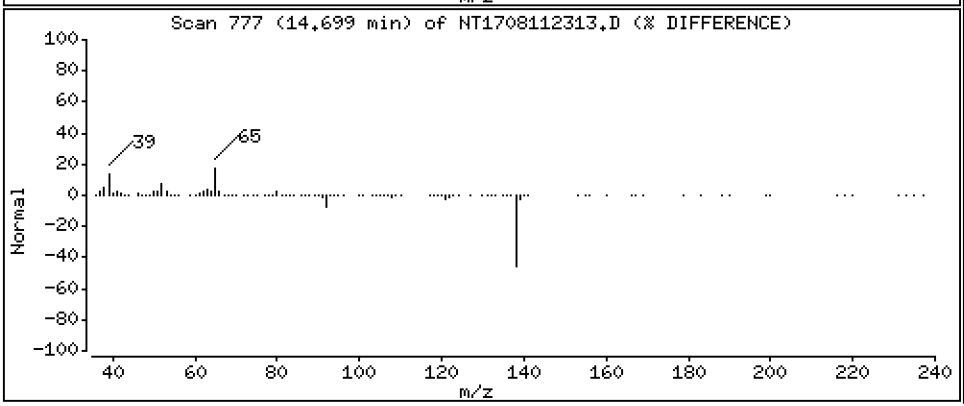












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

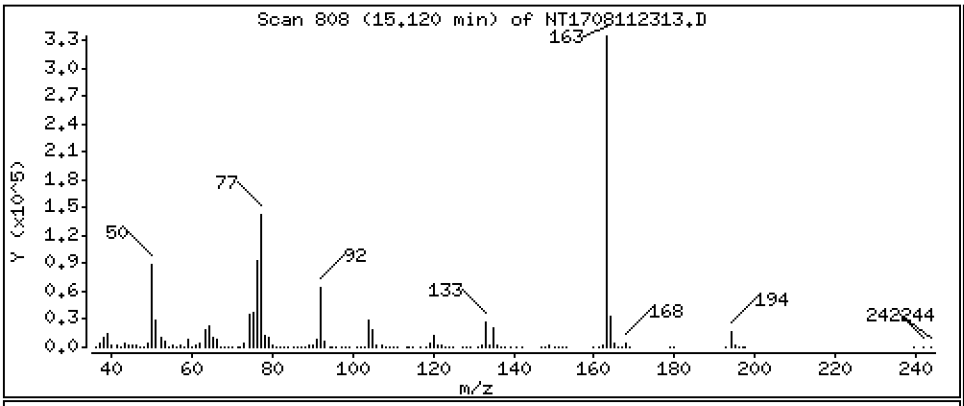
Operator: JGR

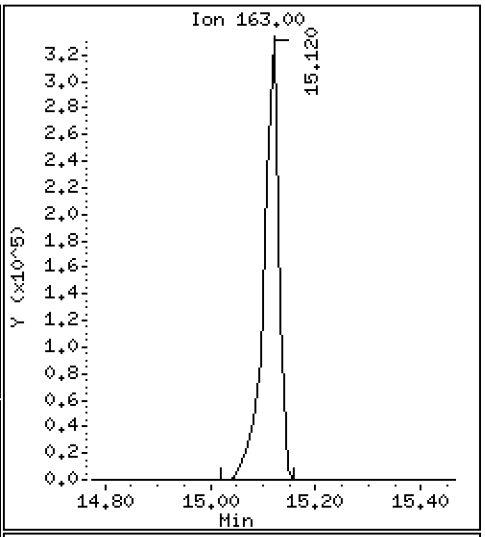
Column phase: ZB-5msi

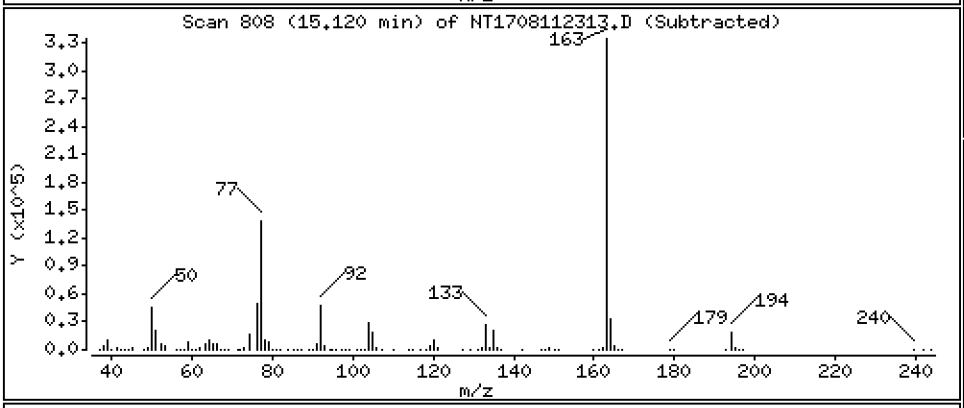
Column diameter: 0.25

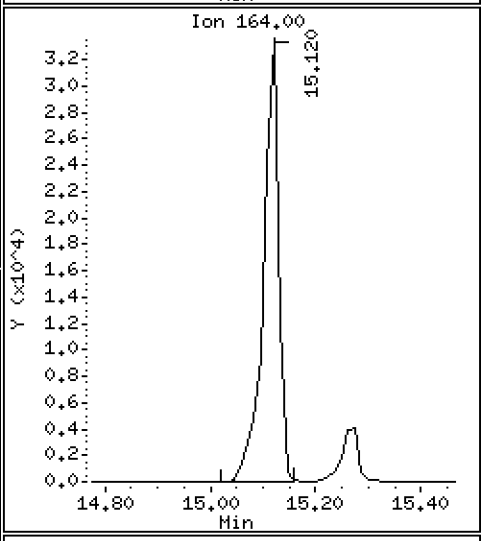
39 Dimethylphthalate

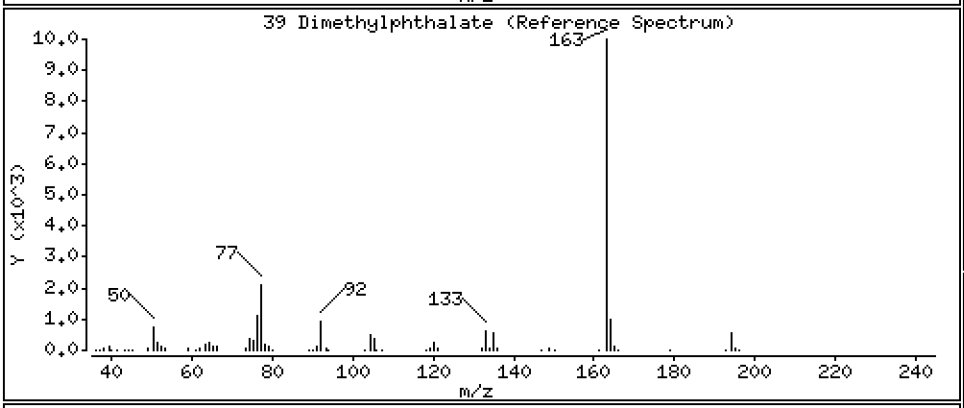
Concentration: 4.036 ug/mL

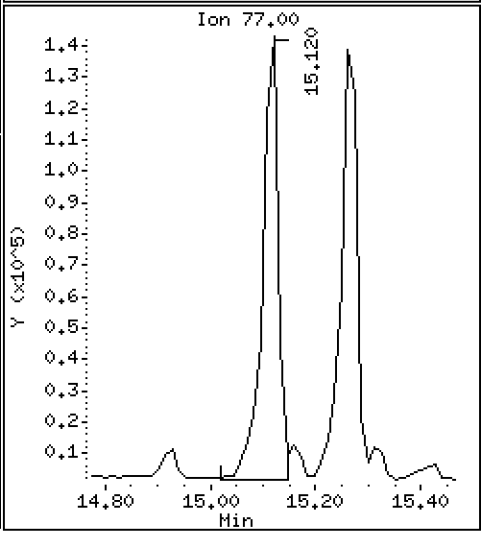


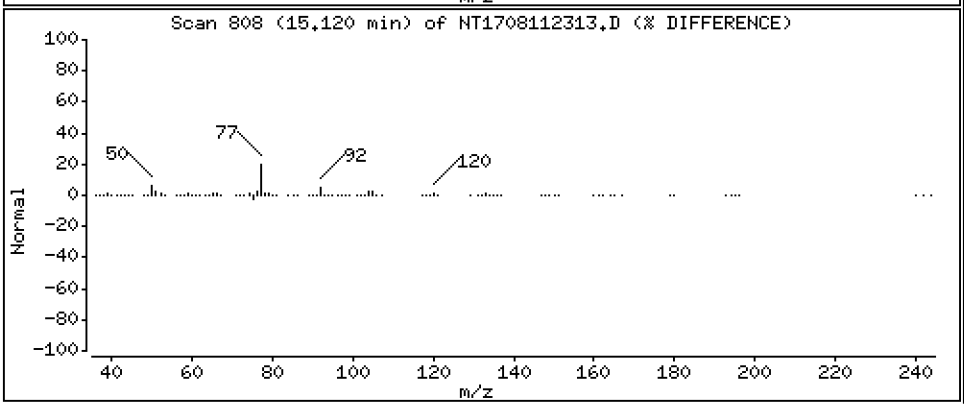












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

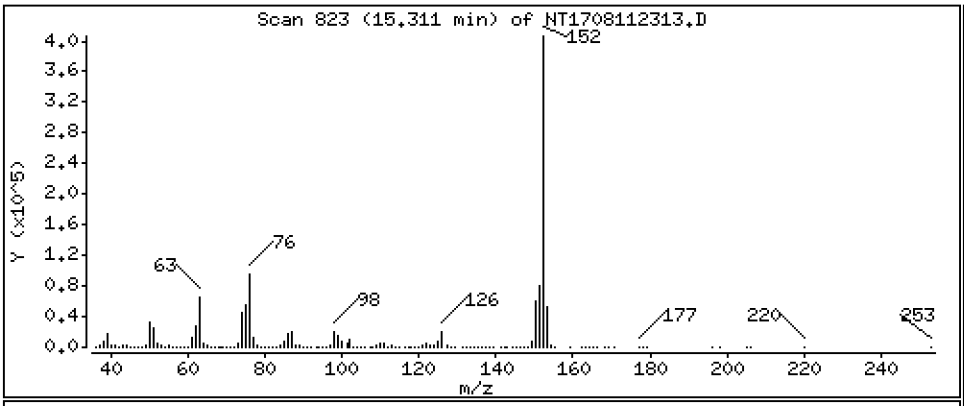
Operator: JGR

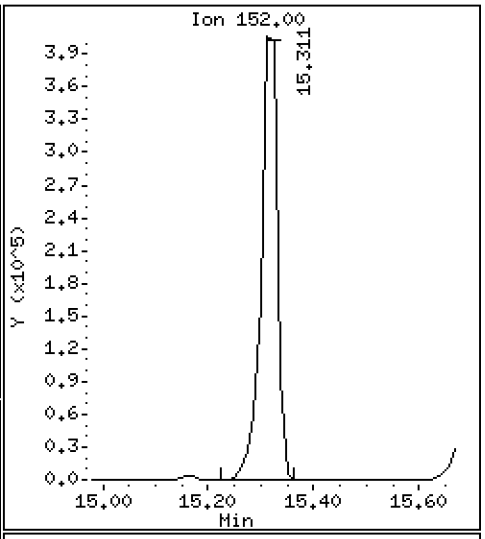
Column phase: ZB-5msi

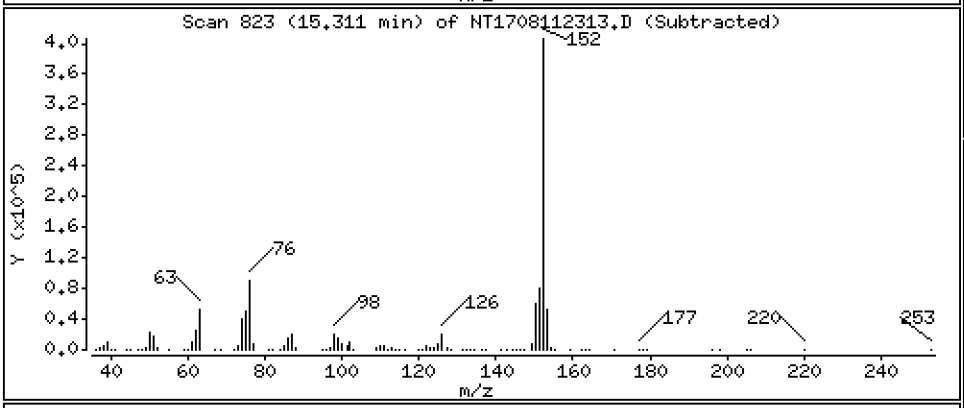
Column diameter: 0.25

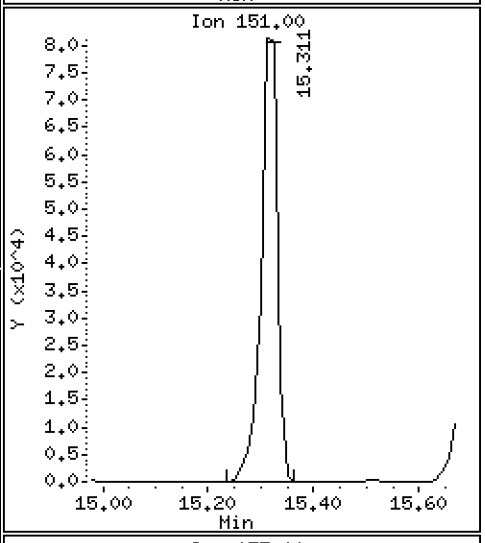
40 Acenaphthylene

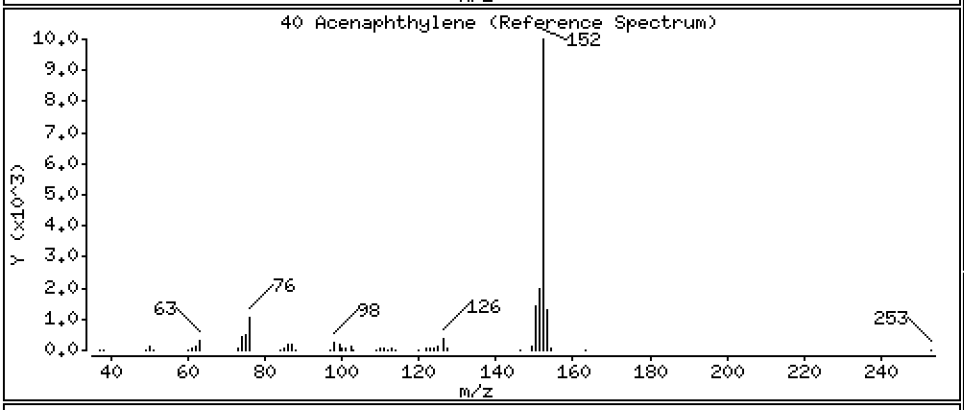
Concentration: 3.668 ug/mL

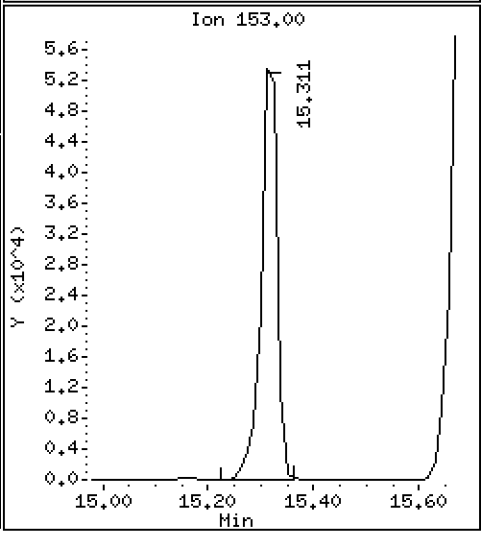


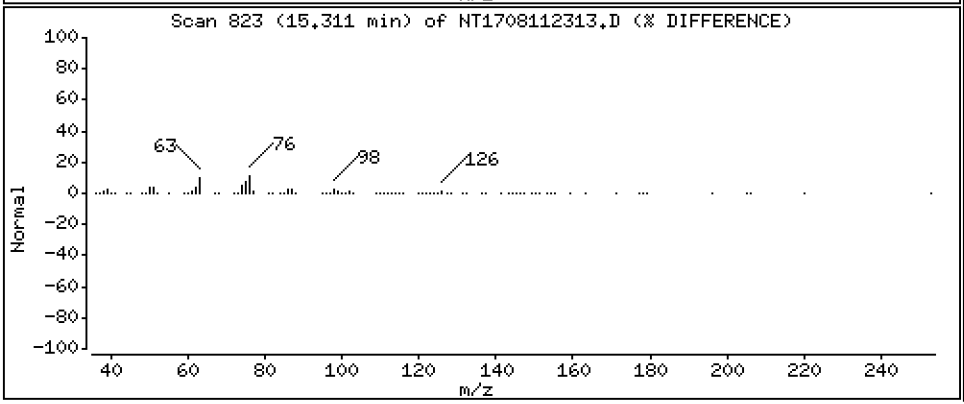












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

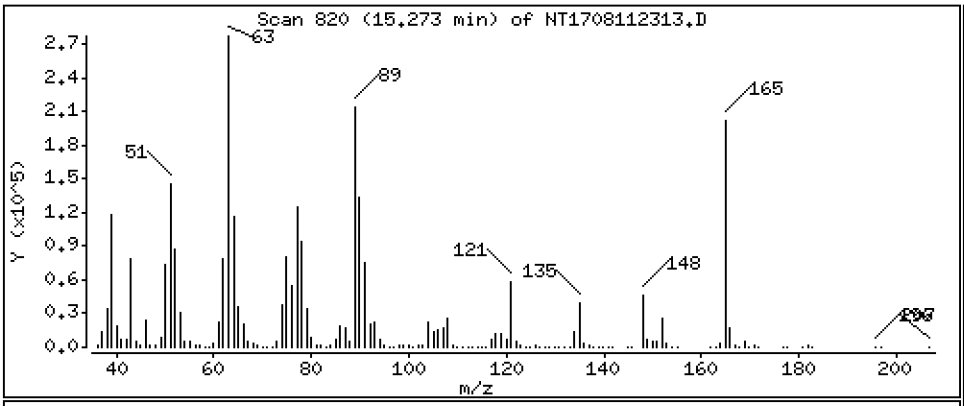
Operator: JGR

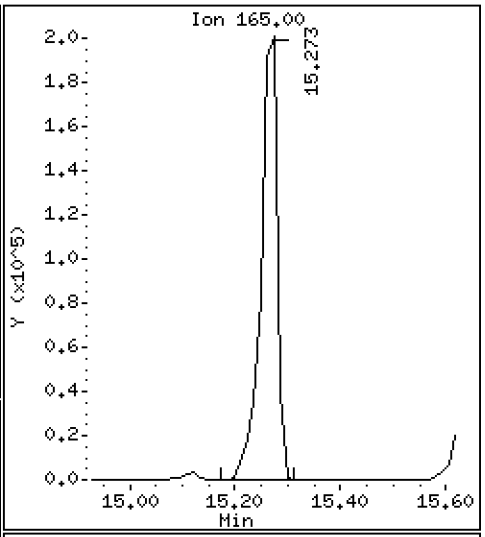
Column phase: ZB-5msi

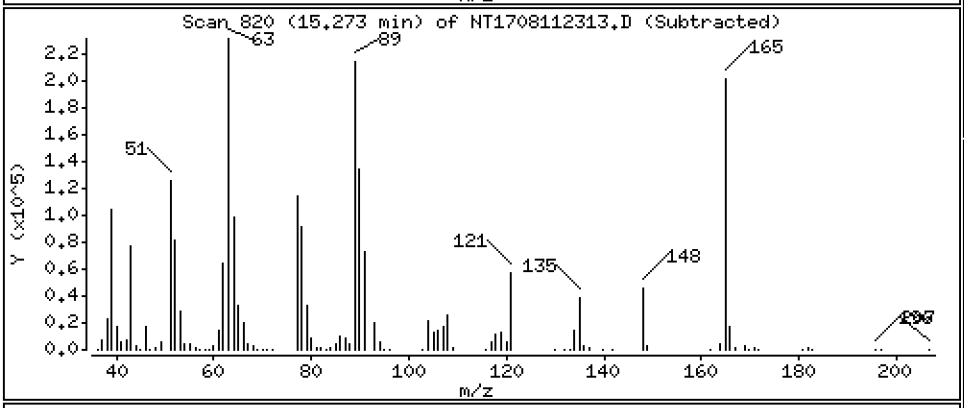
Column diameter: 0.25

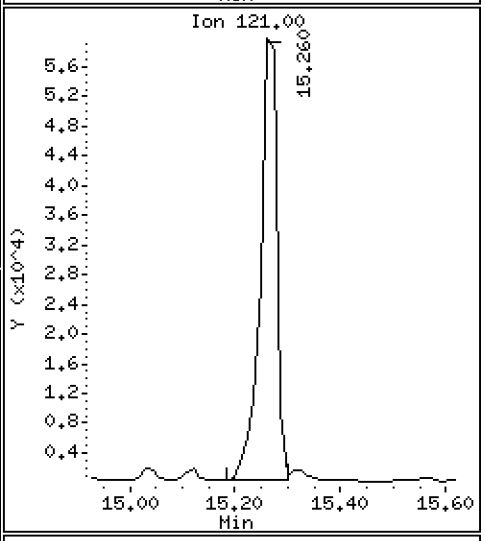
41 2,6-Dinitrotoluene

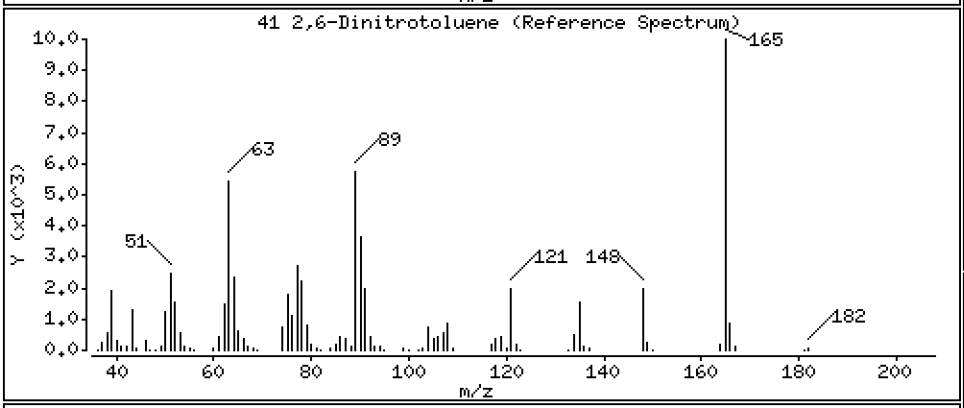
Concentration: 12.40 ug/mL

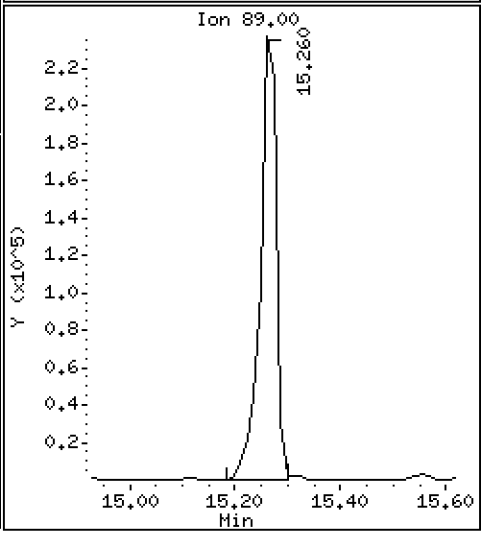


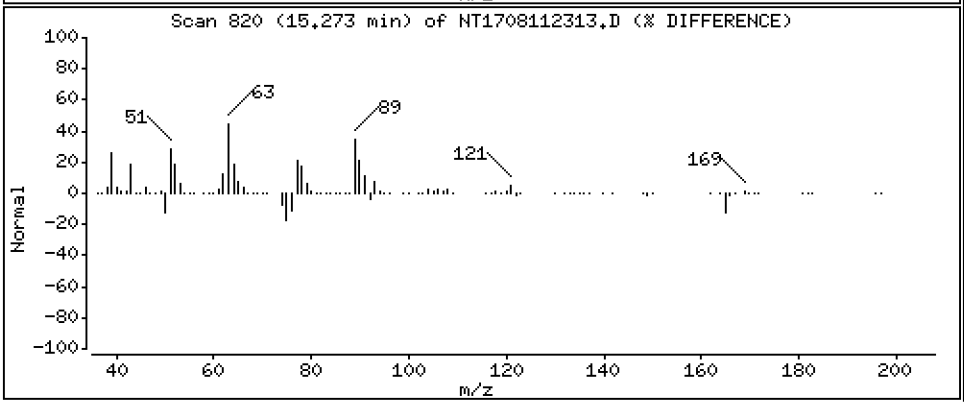












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

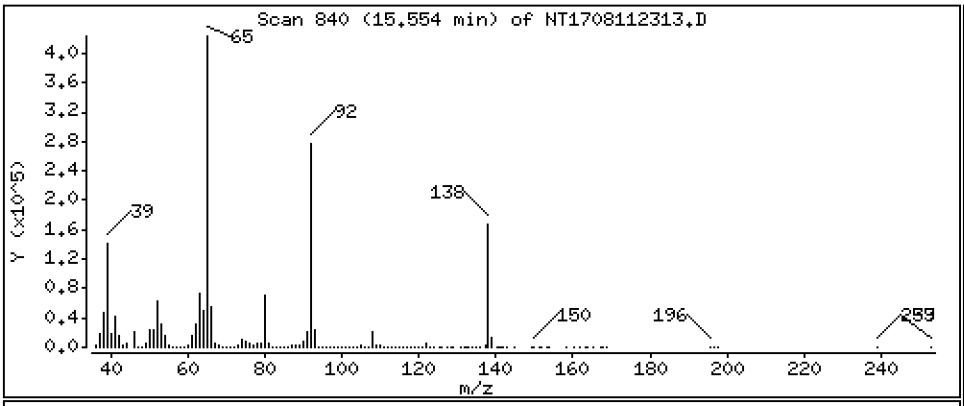
Operator: JGR

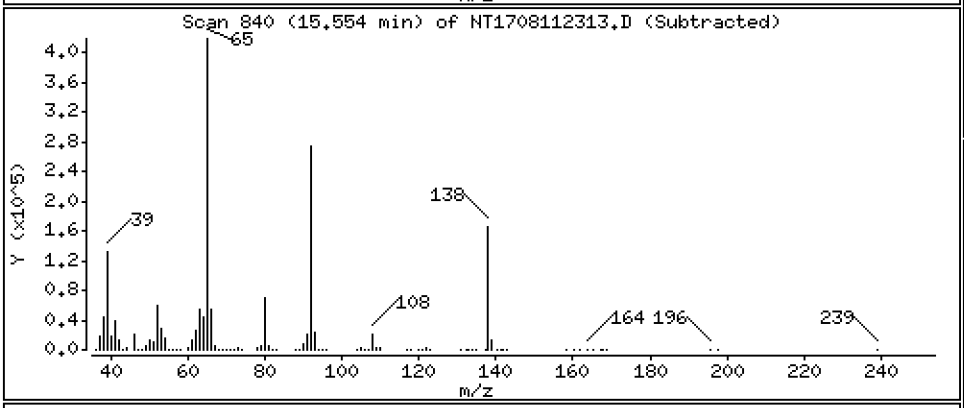
Column phase: ZB-5msi

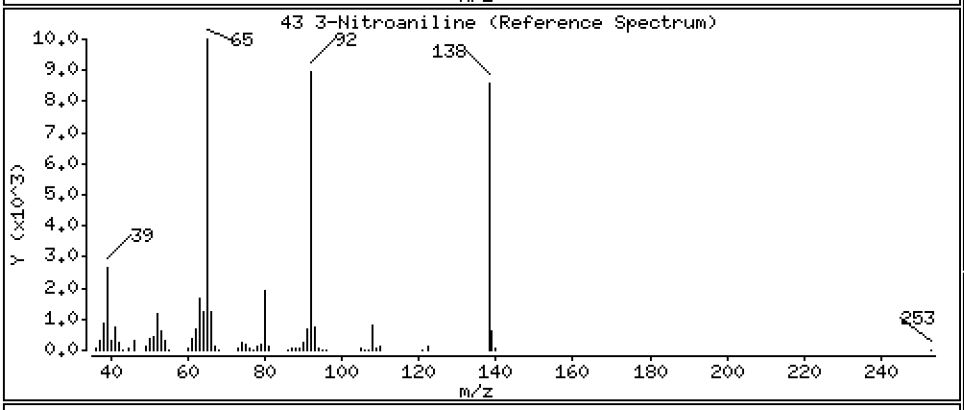
Column diameter: 0.25

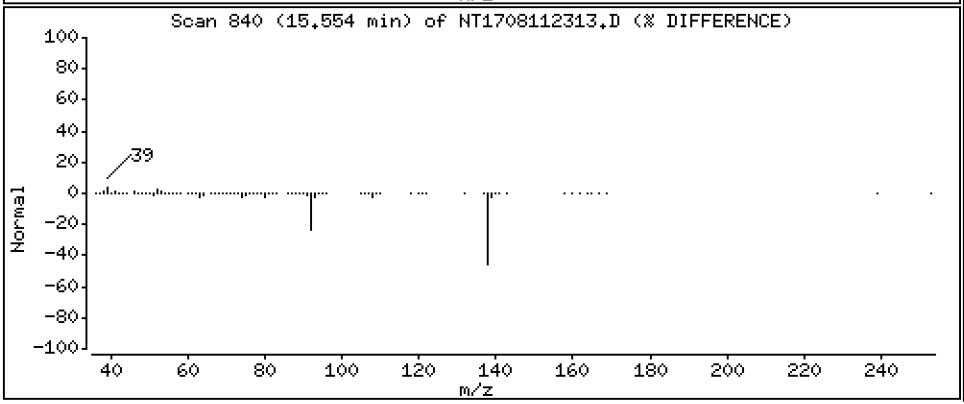
43 3-Nitroaniline

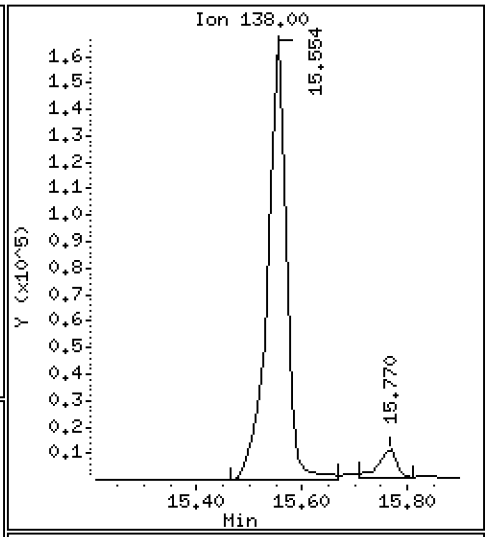
Concentration: 7.100 ug/mL

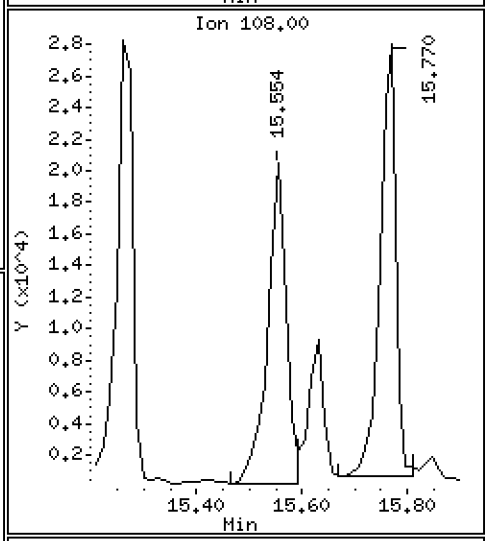


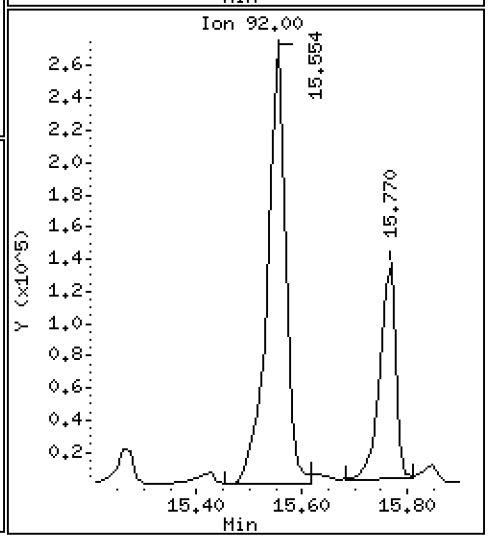












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

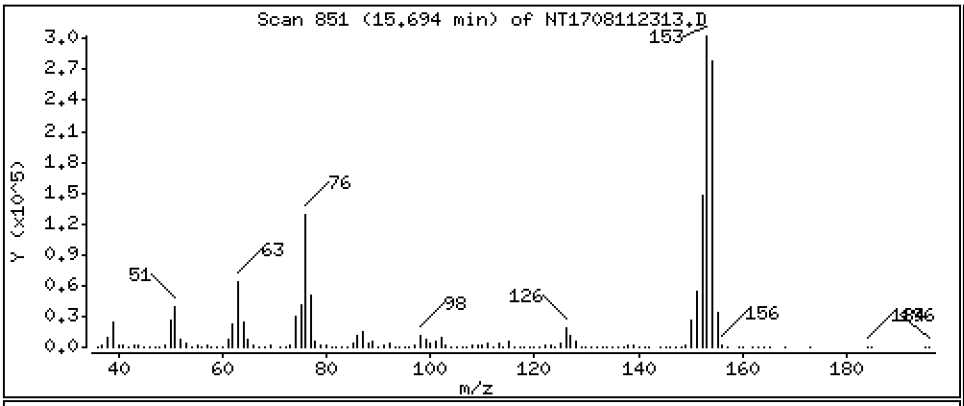
Operator: JGR

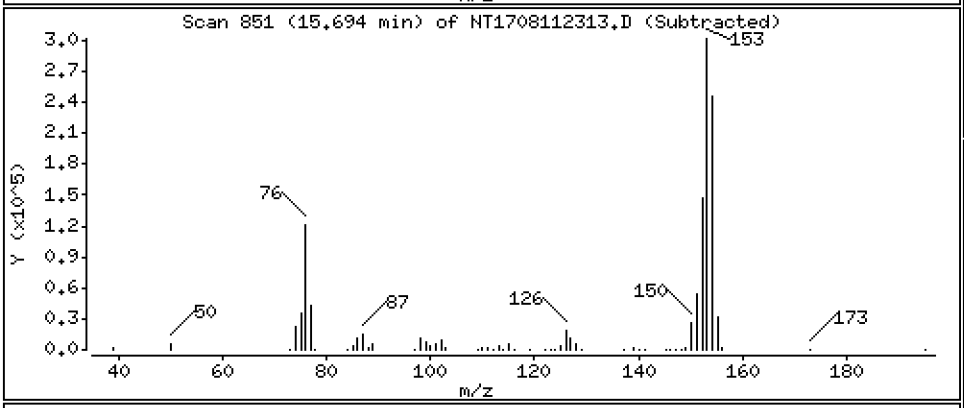
Column phase: ZB-5msi

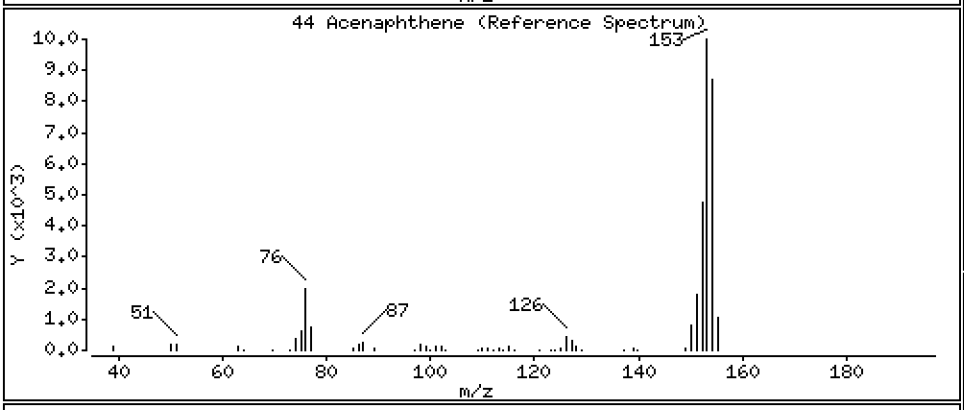
Column diameter: 0.25

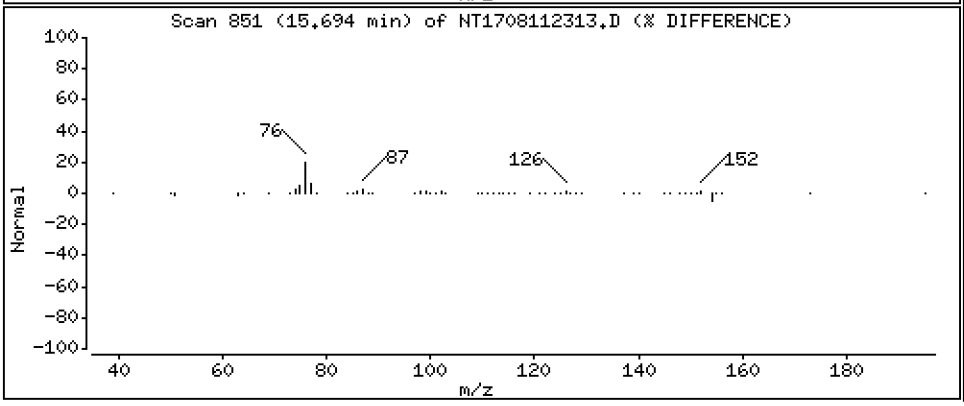
44 Acenaphthene

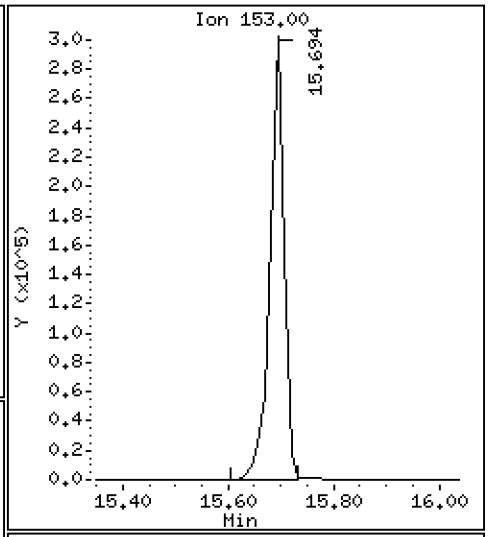
Concentration: 3.697 ug/mL

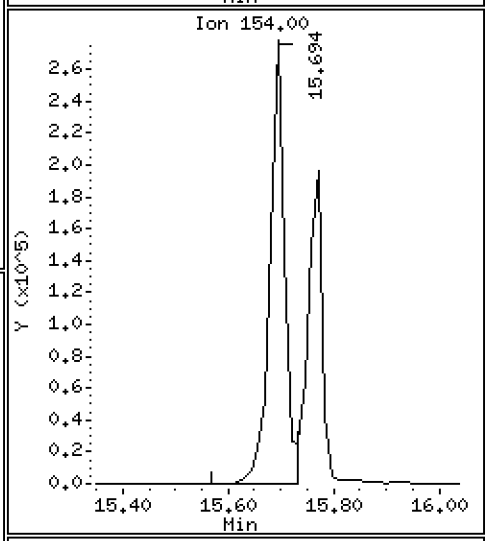


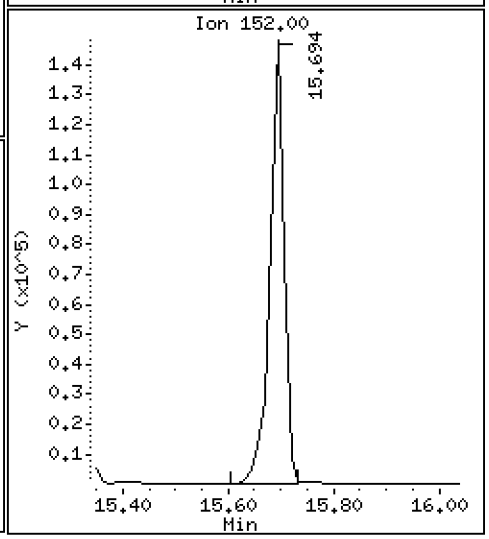












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

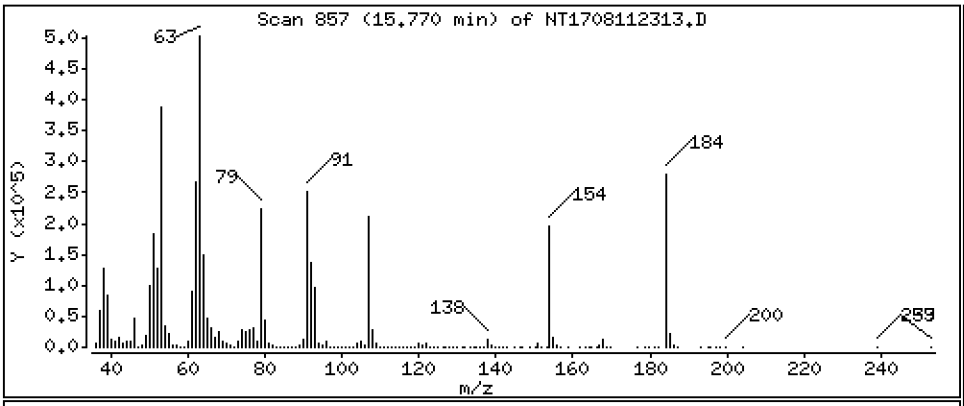
Operator: JGR

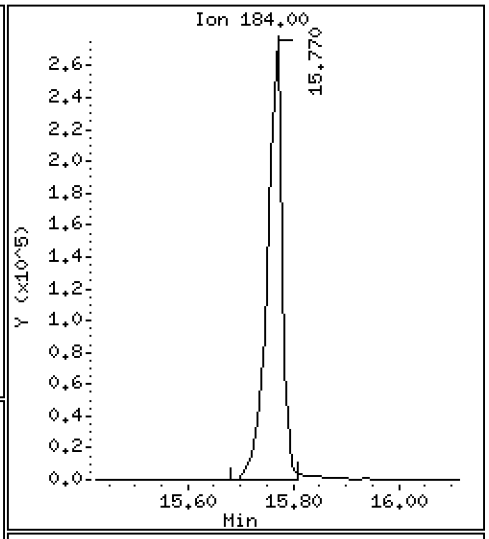
Column phase: ZB-5msi

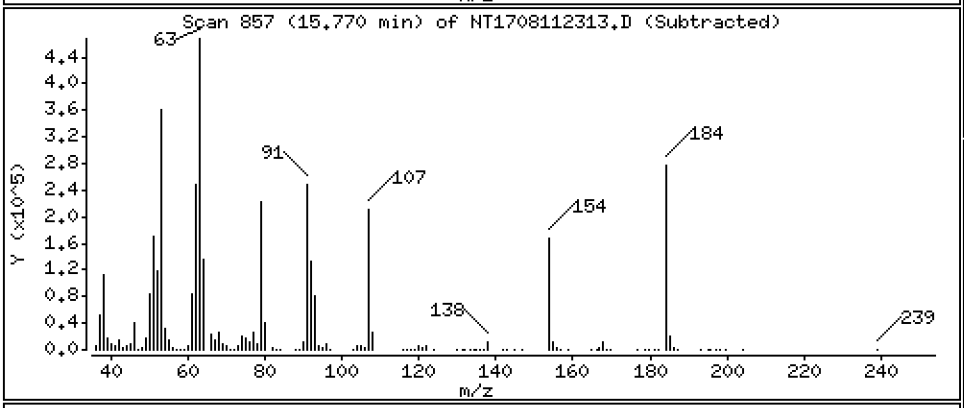
Column diameter: 0.25

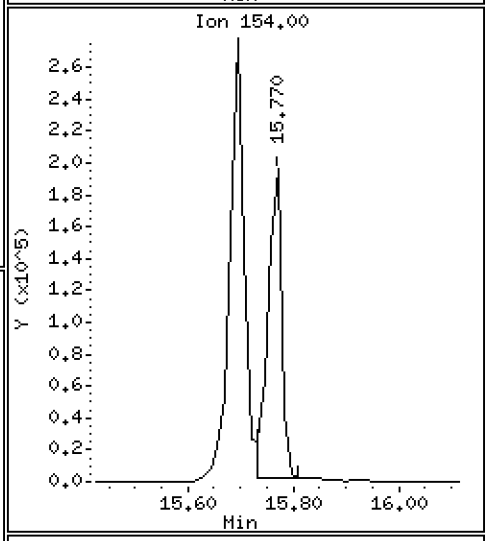
45 2,4-Dinitrophenol

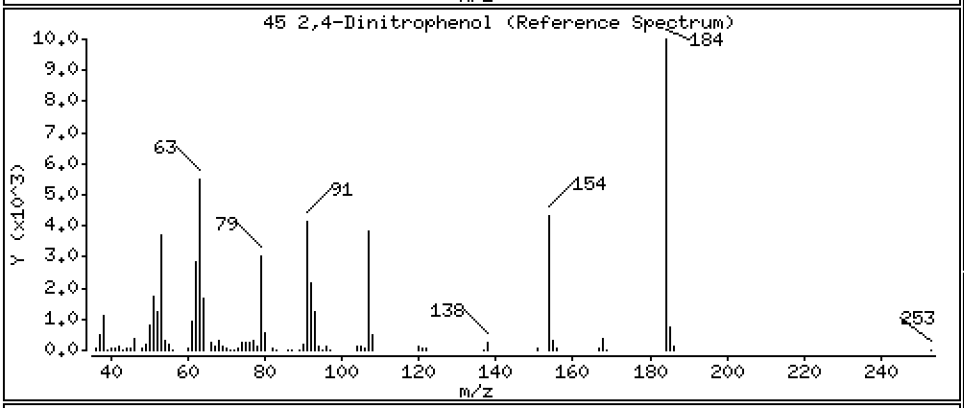
Concentration: 24.53 ug/mL

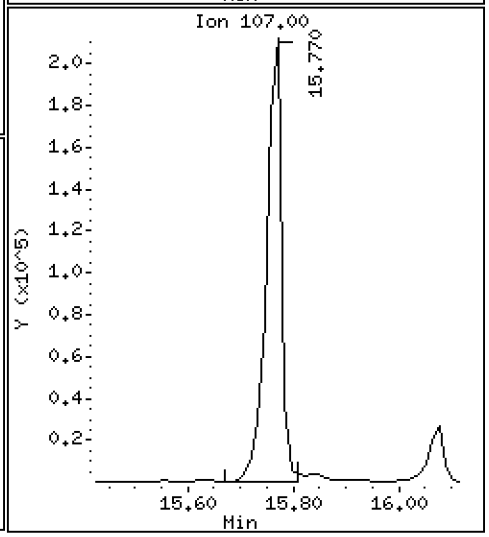


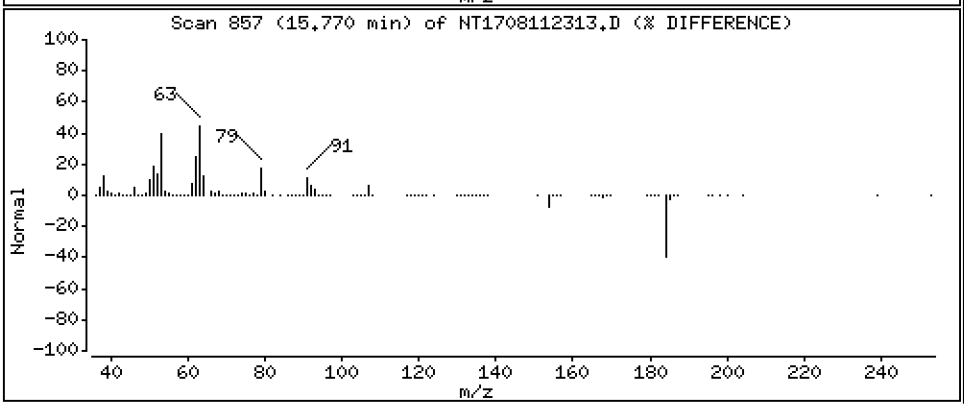












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

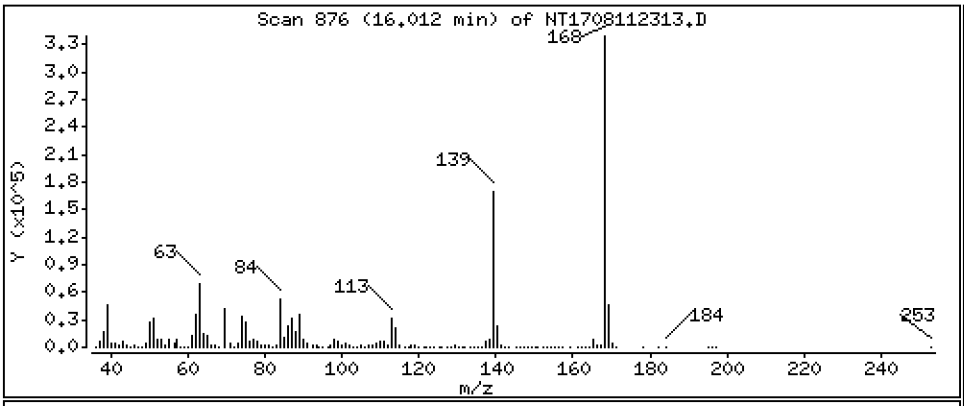
Operator: JGR

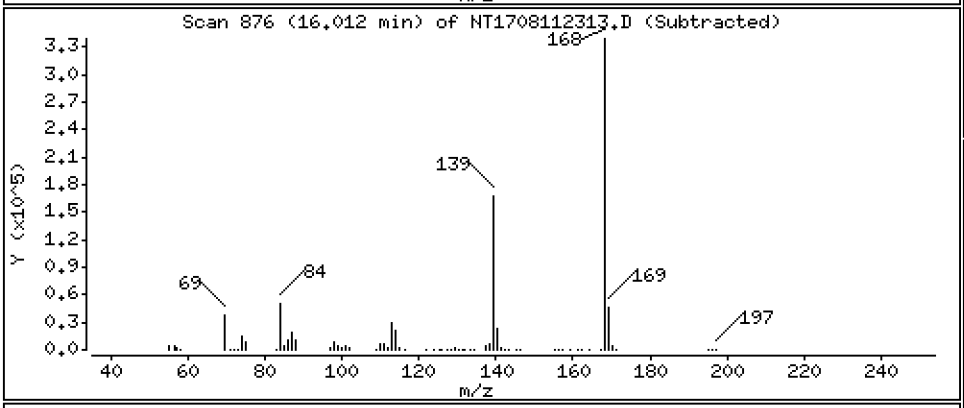
Column phase: ZB-5msi

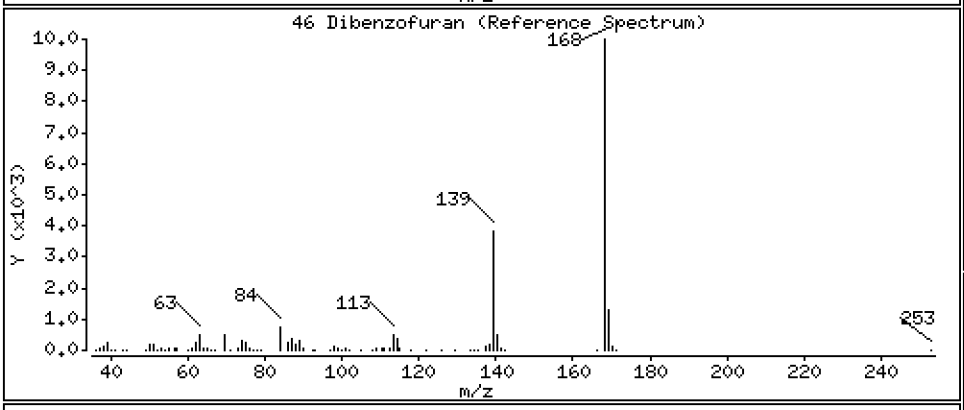
Column diameter: 0.25

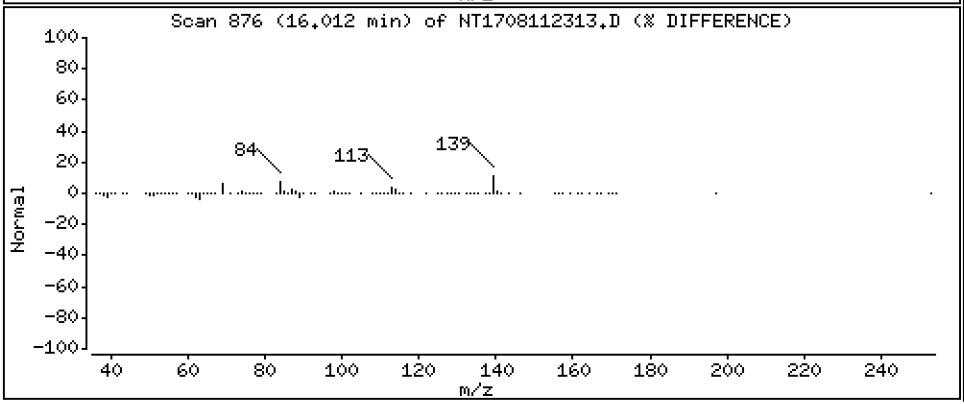
46 Dibenzofuran

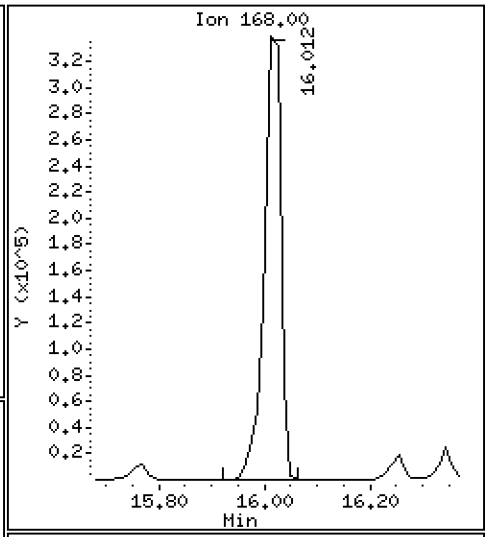
Concentration: 3.575 ug/mL

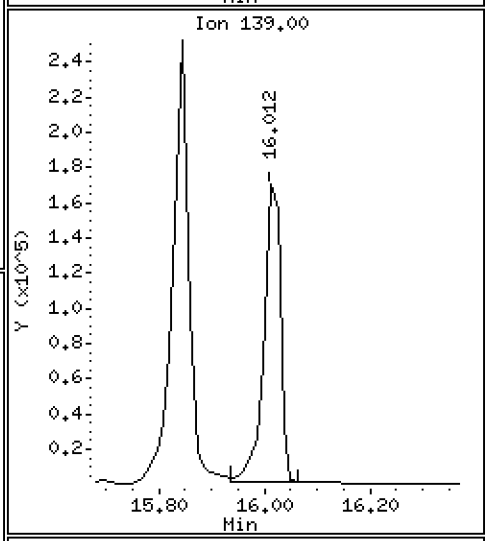


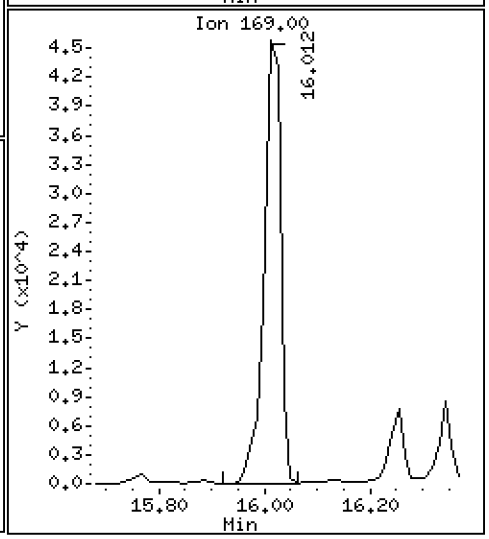












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

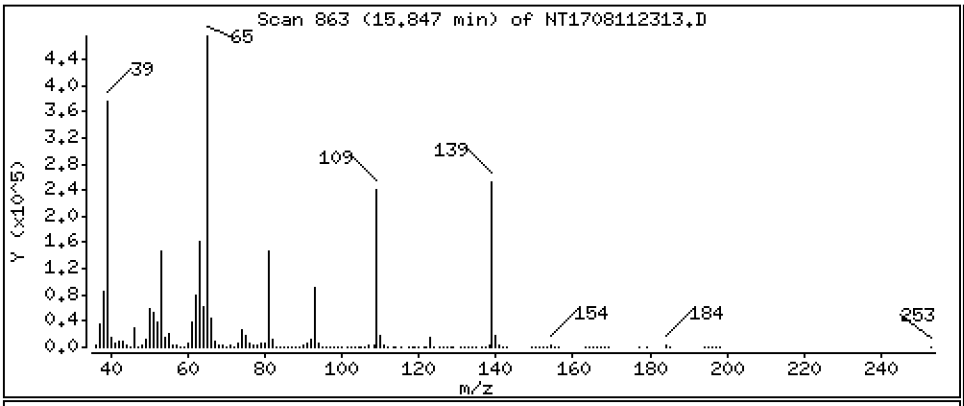
Operator: JGR

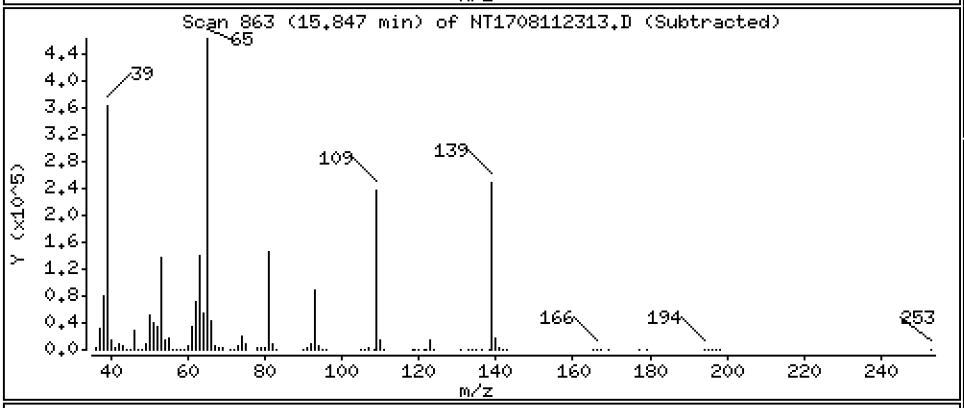
Column phase: ZB-5msi

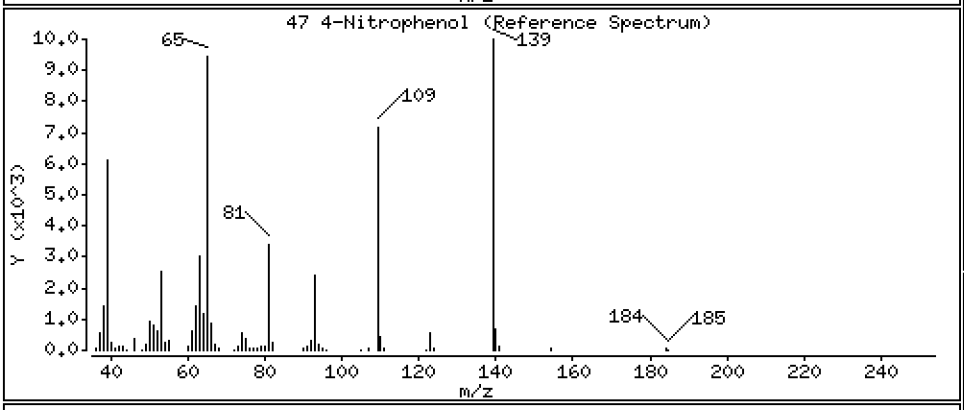
Column diameter: 0.25

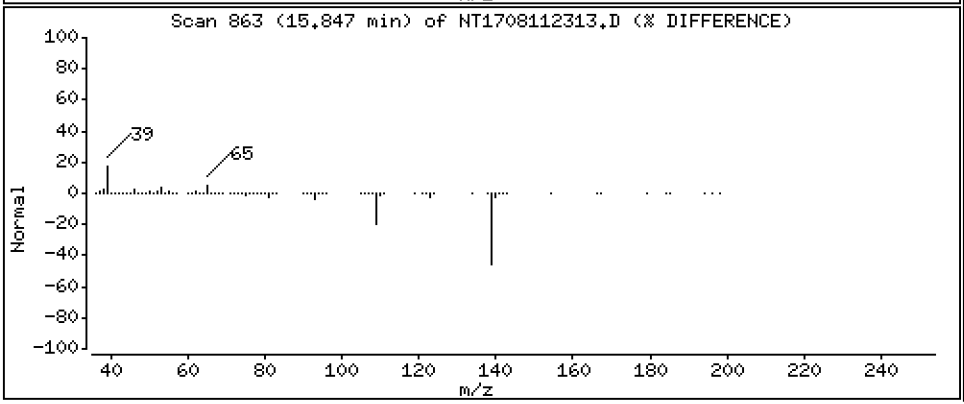
47 4-Nitrophenol

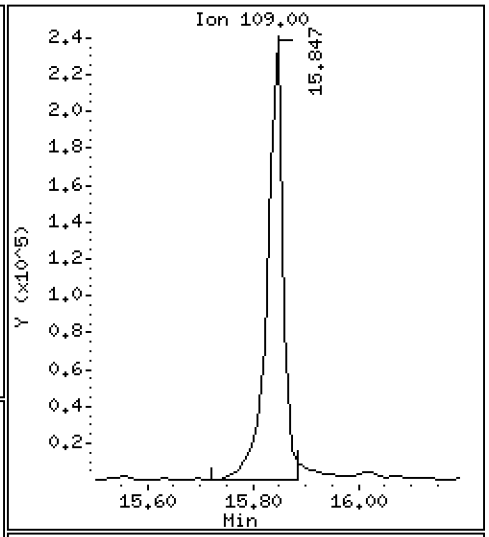
Concentration: 12.06 ug/mL

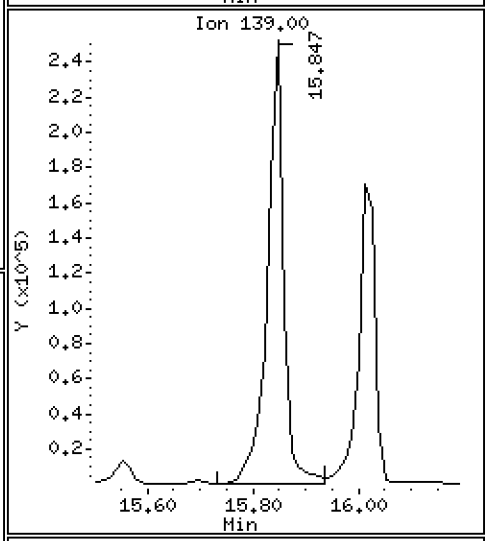


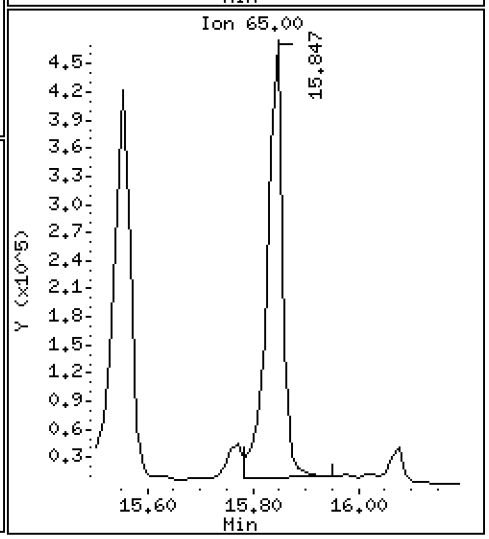












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

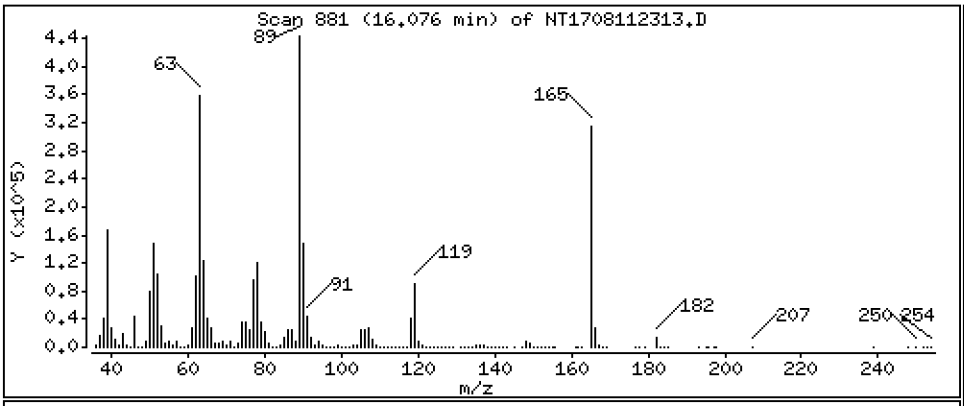
Operator: JGR

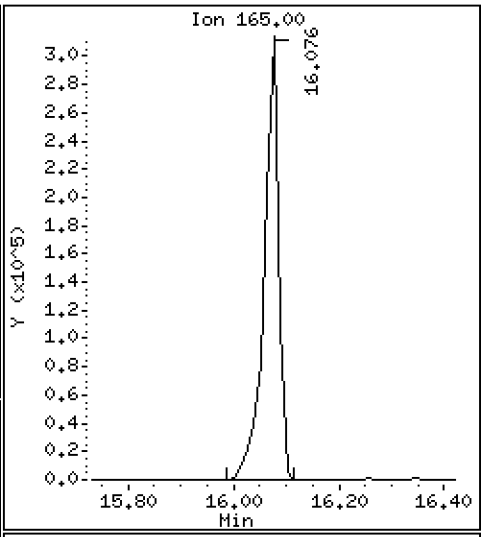
Column phase: ZB-5msi

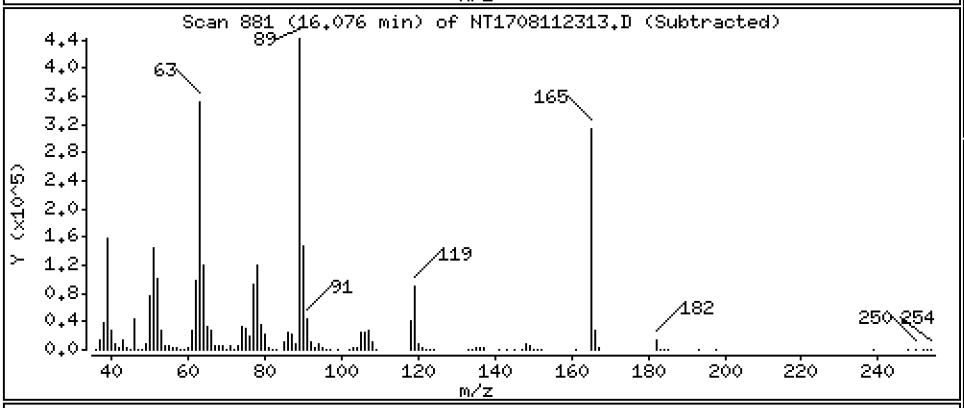
Column diameter: 0.25

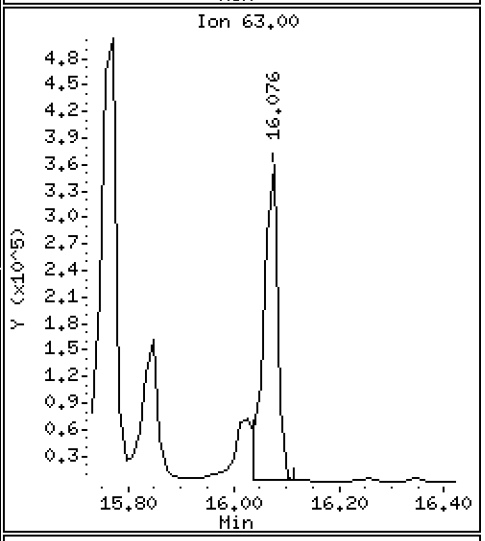
48 2,4-Dinitrotoluene

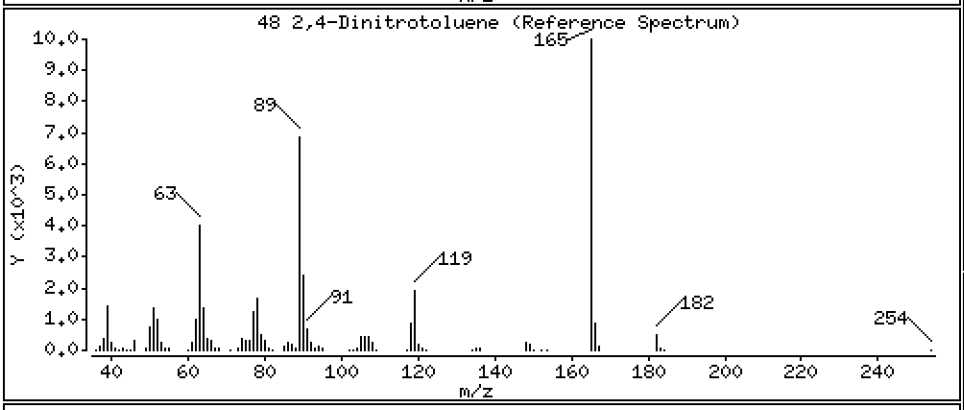
Concentration: 10.63 ug/mL

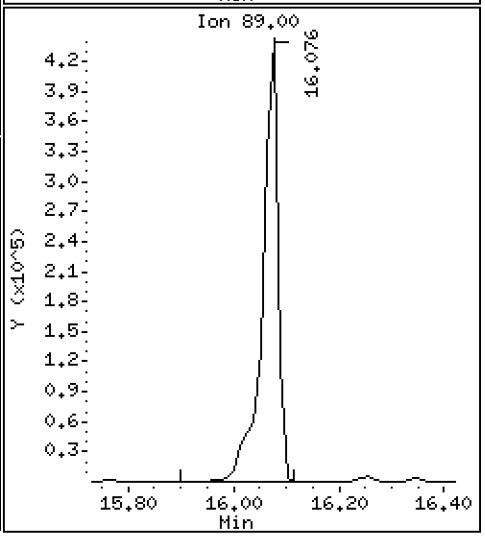


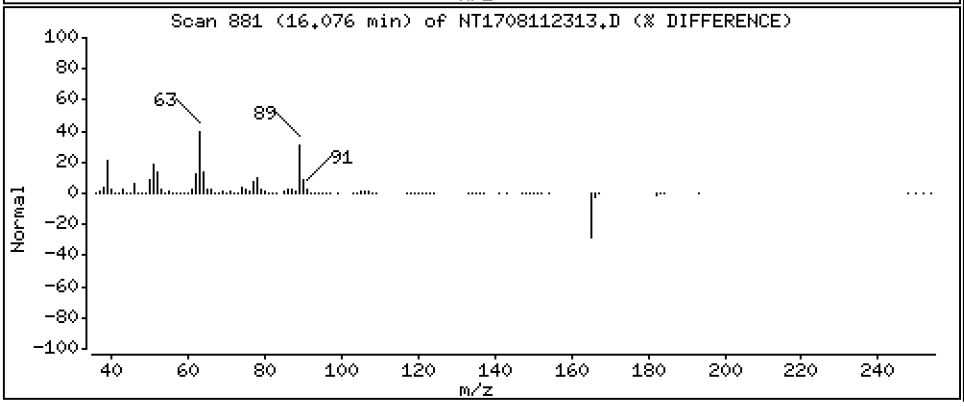












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

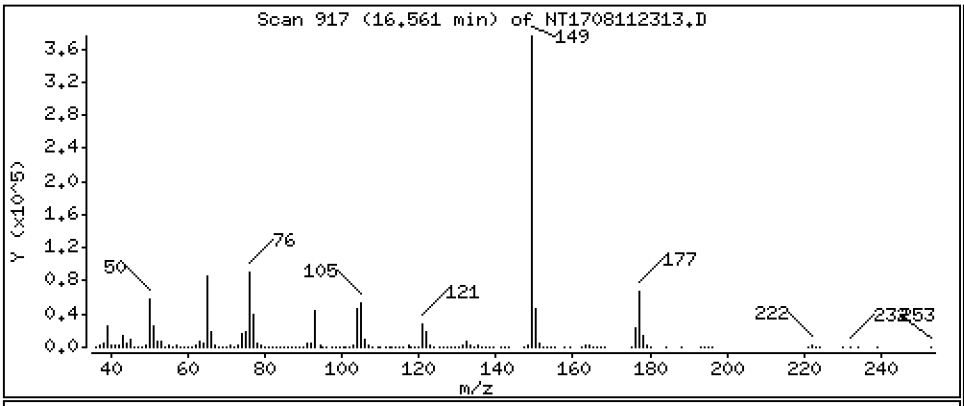
Operator: JGR

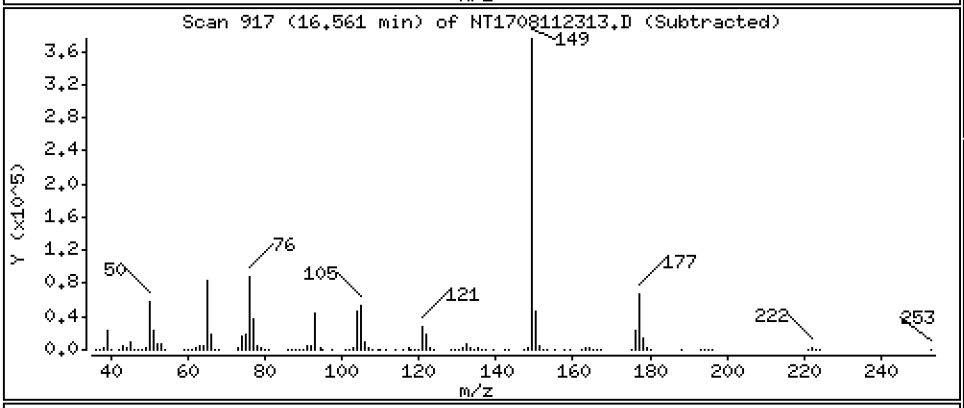
Column phase: ZB-5msi

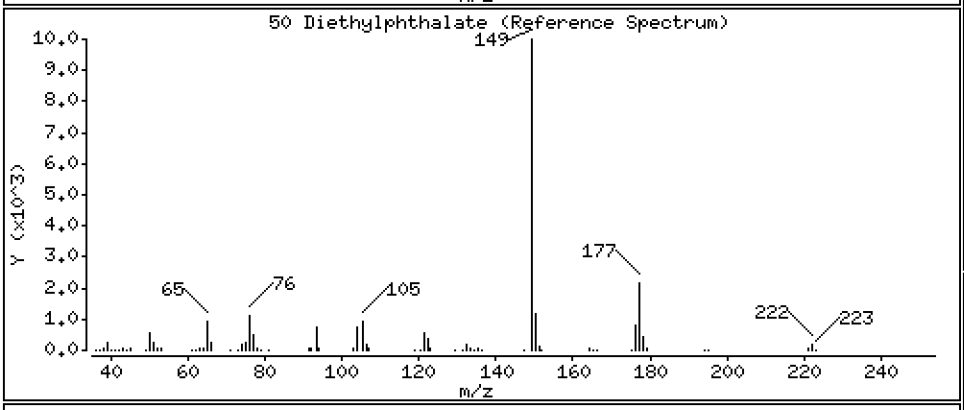
Column diameter: 0.25

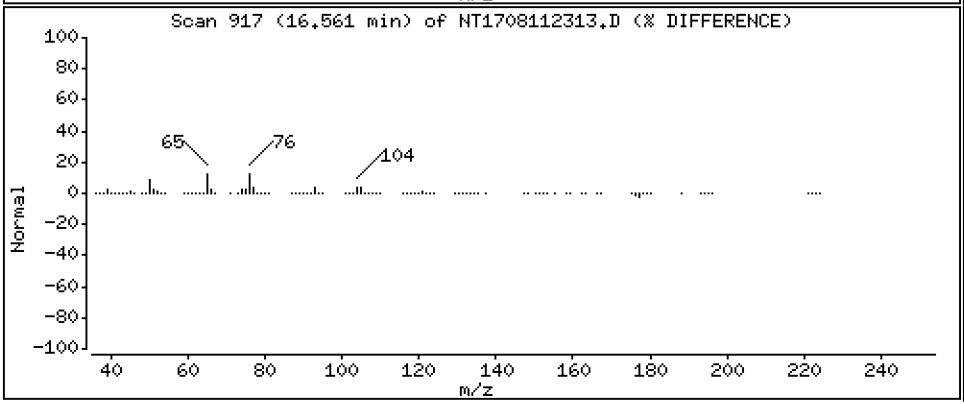
50 Diethylphthalate

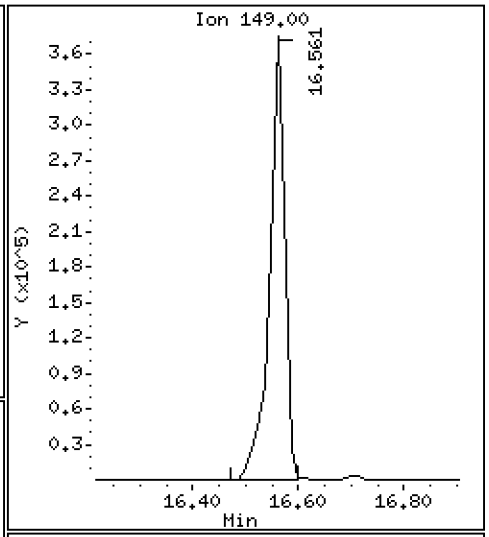
Concentration: 3.562 ug/mL

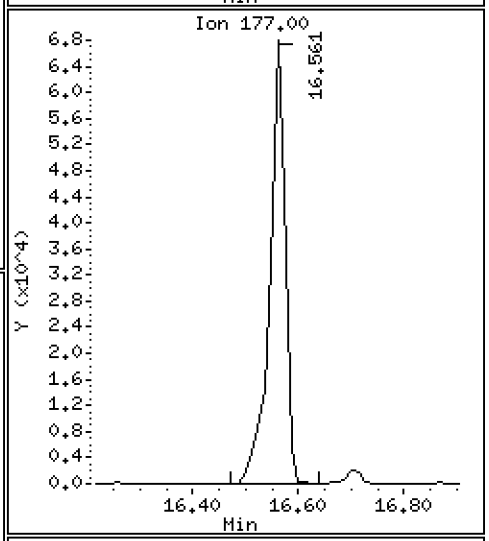


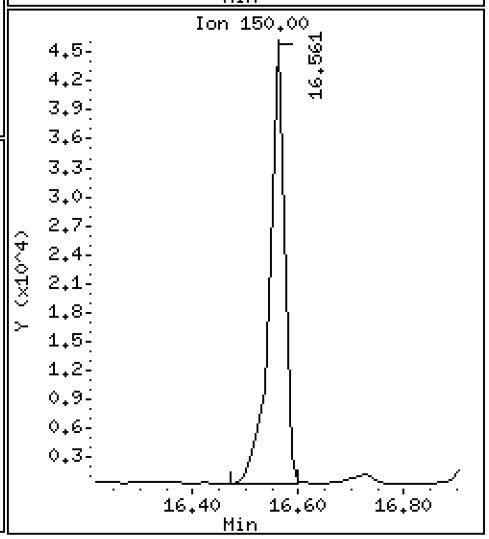












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

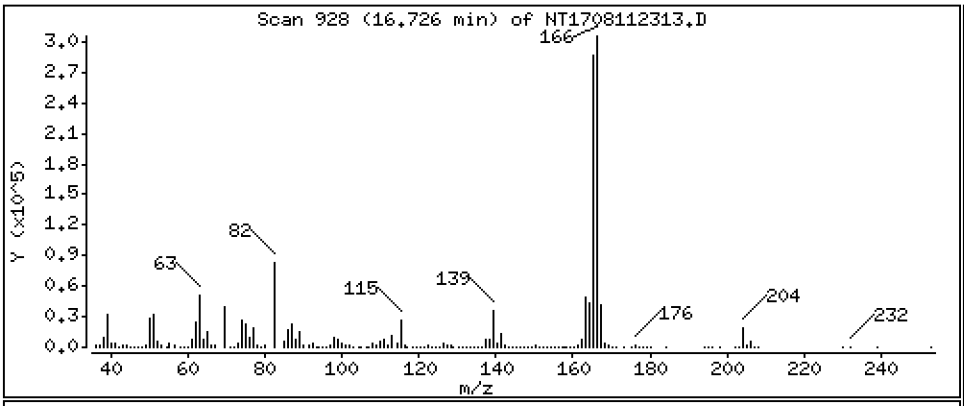
Operator: JGR

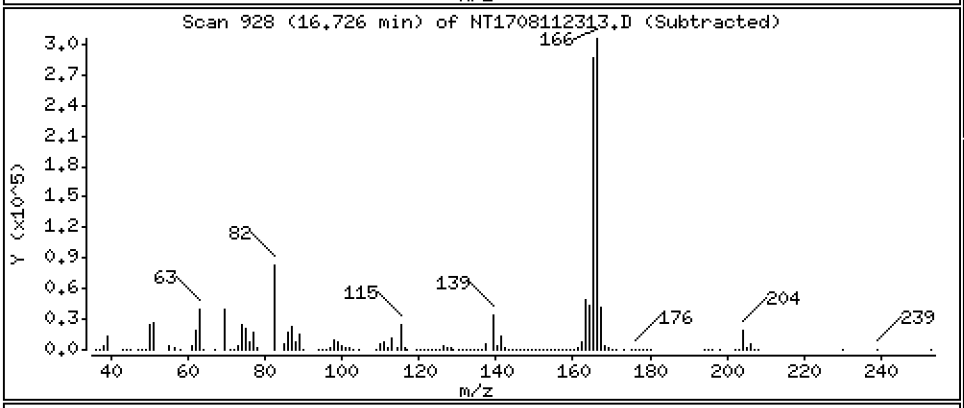
Column phase: ZB-5msi

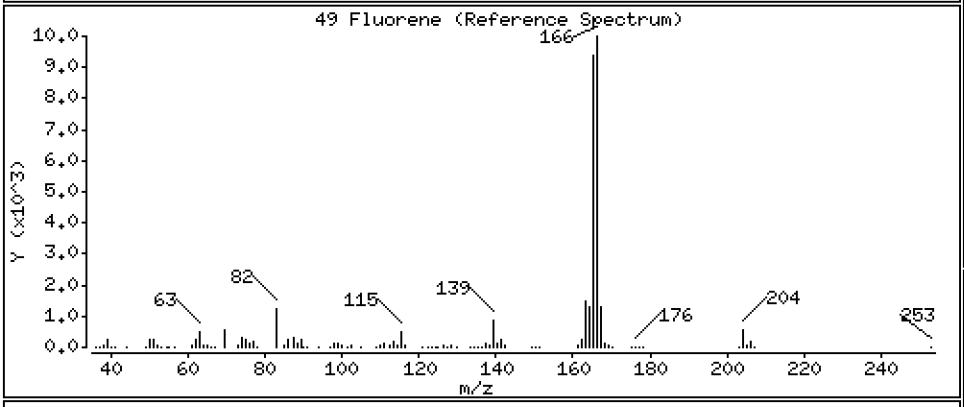
Column diameter: 0.25

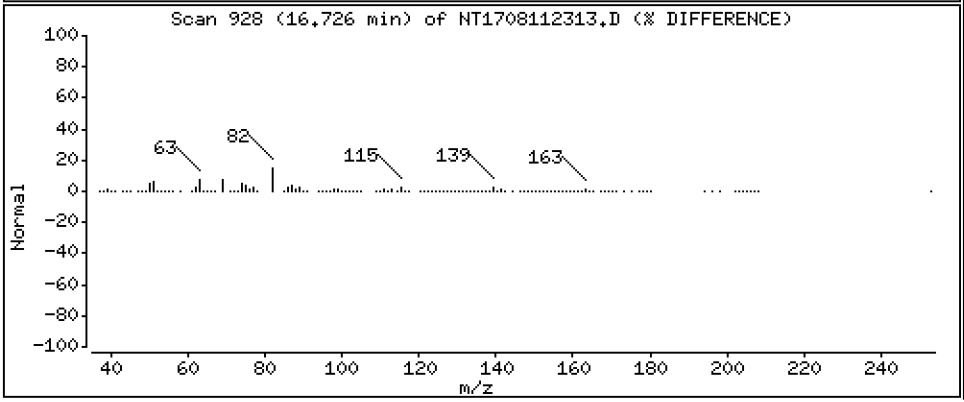
49 Fluorene

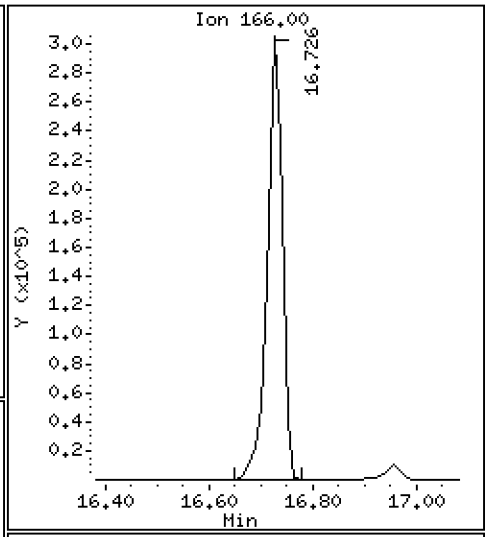
Concentration: 3.693 ug/mL

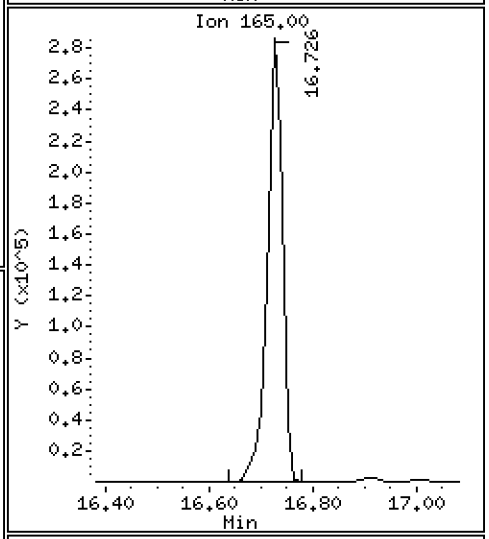


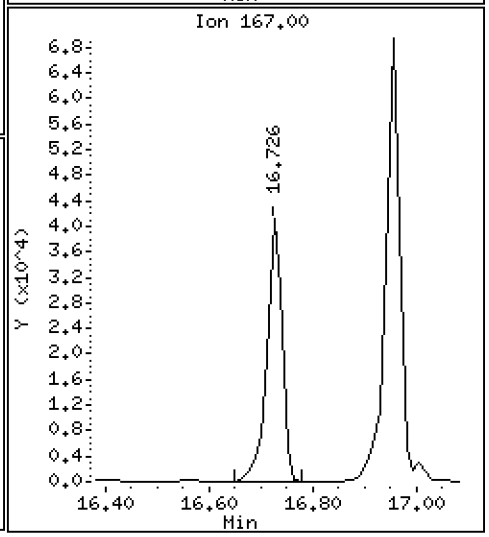












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

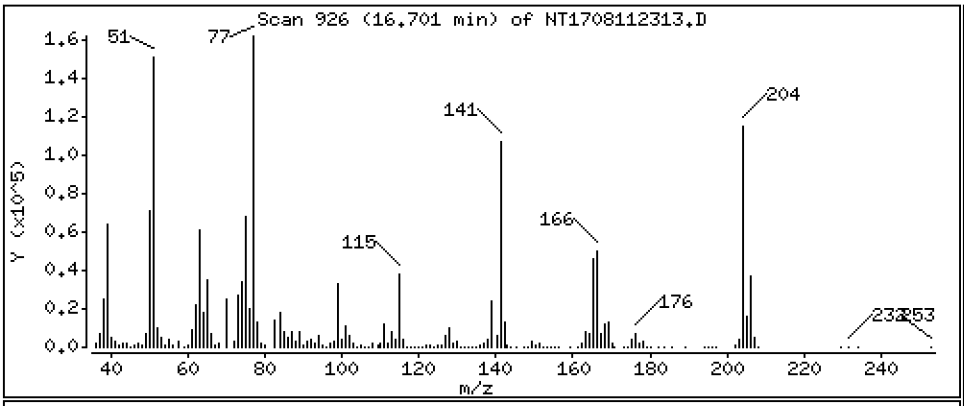
Operator: JGR

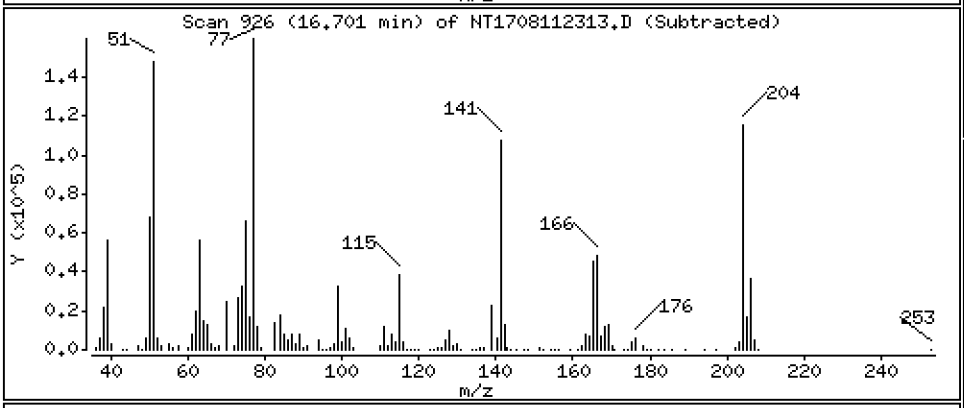
Column phase: ZB-5msi

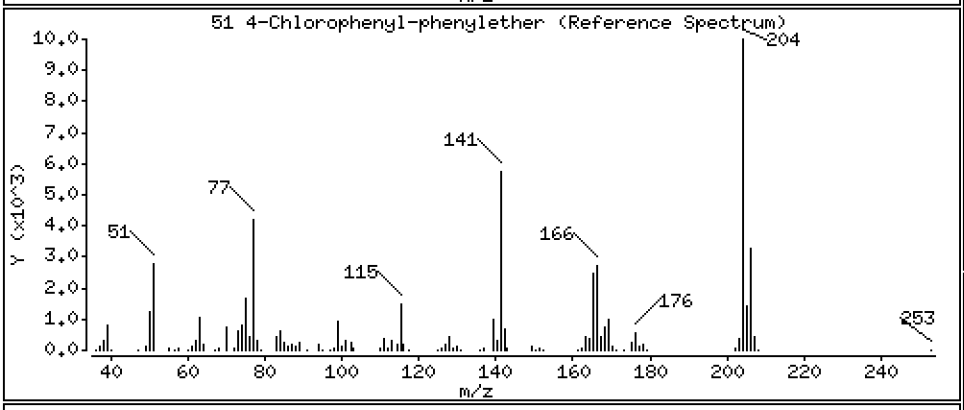
Column diameter: 0.25

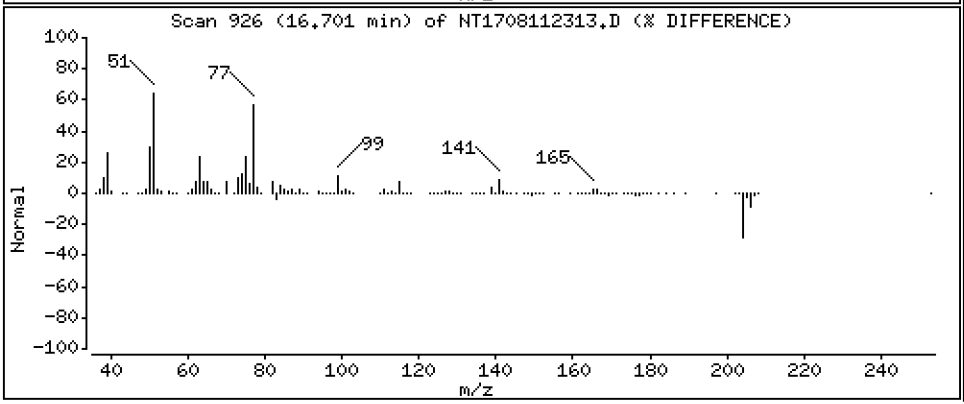
51 4-Chlorophenyl-phenylether

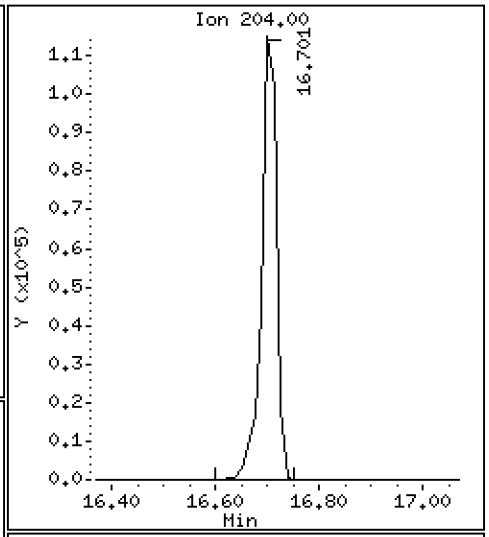
Concentration: 3.777 ug/mL

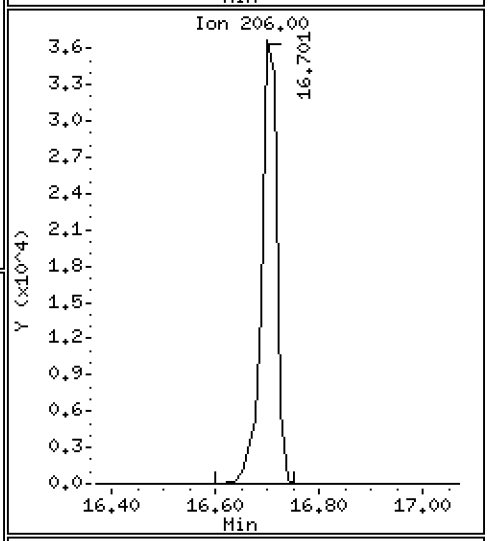


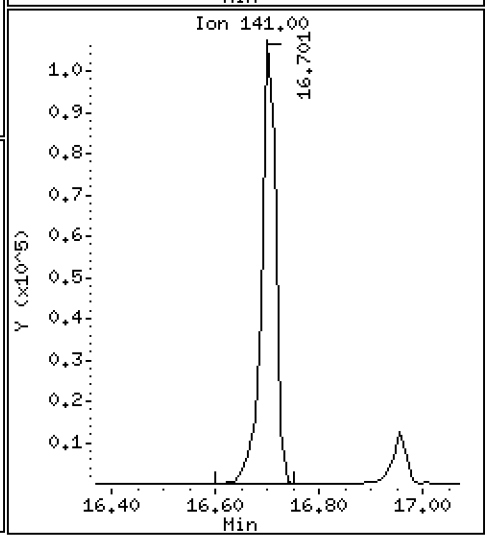












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

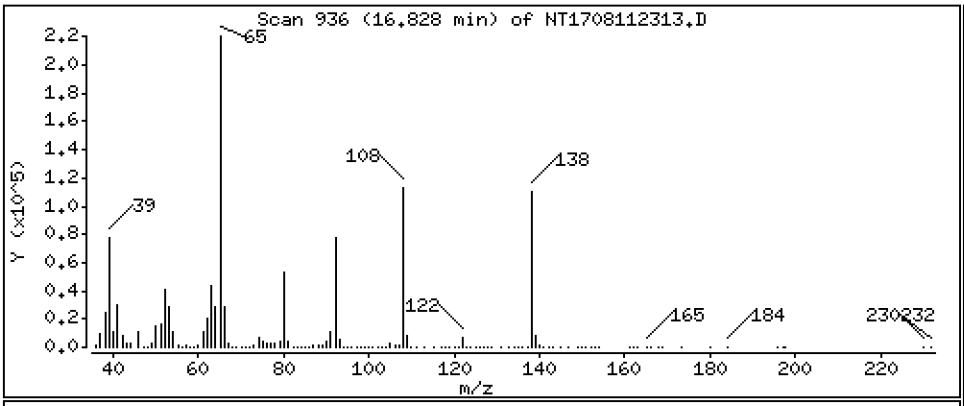
Operator: JGR

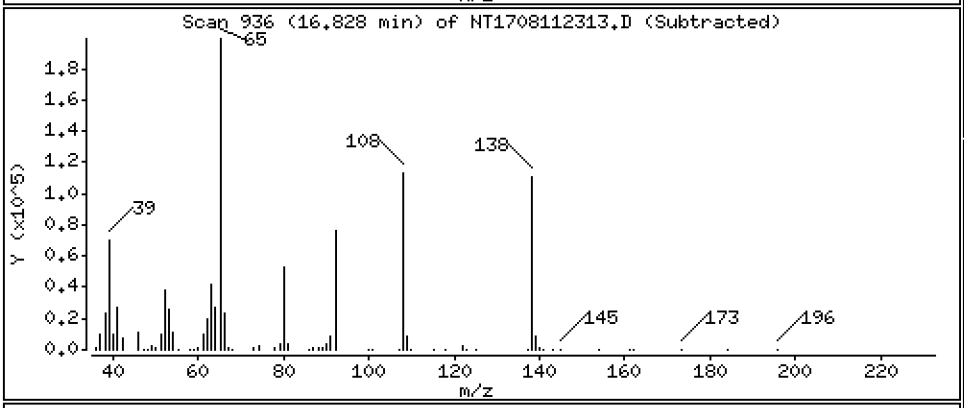
Column phase: ZB-5msi

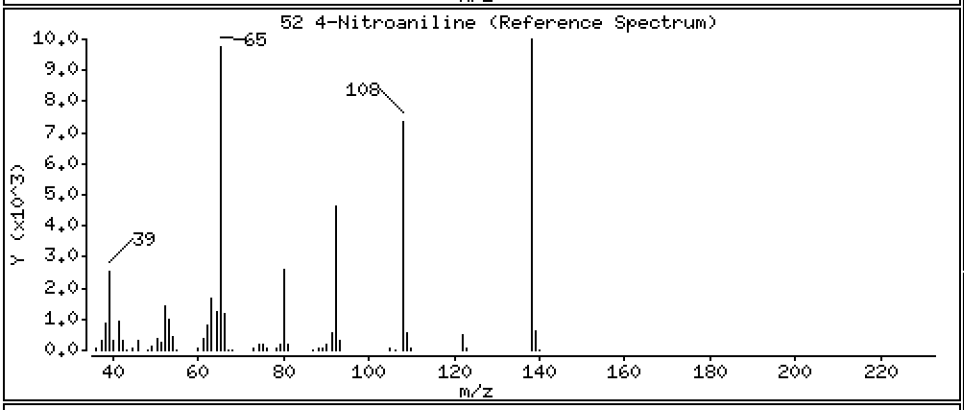
Column diameter: 0.25

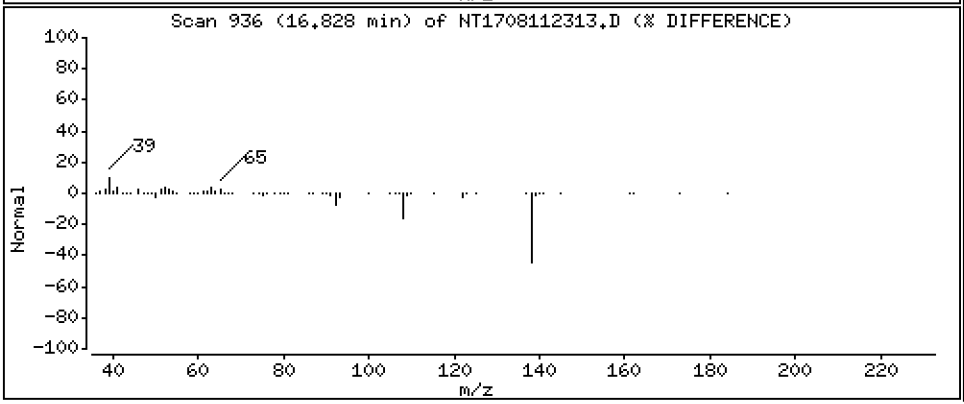
52 4-Nitroaniline

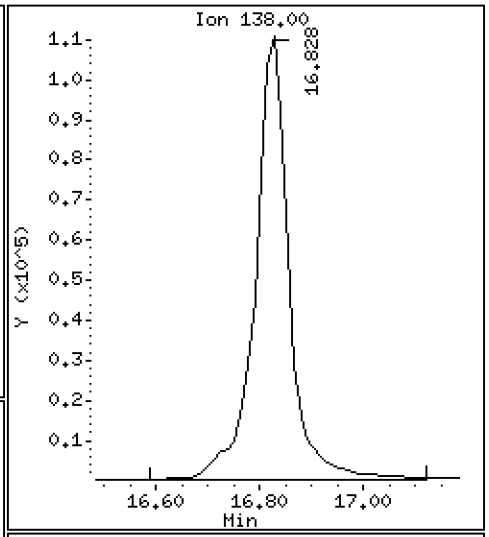
Concentration: 11.34 ug/mL

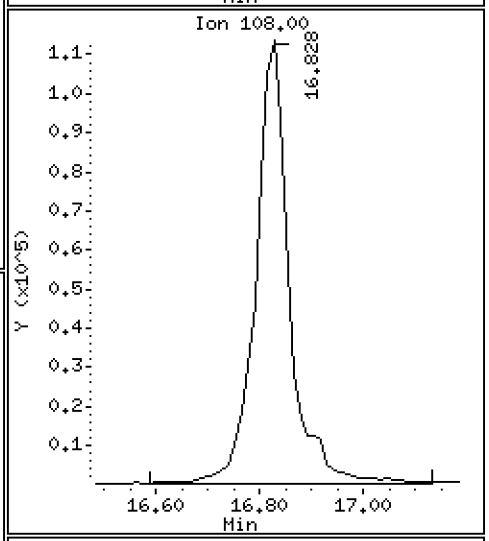


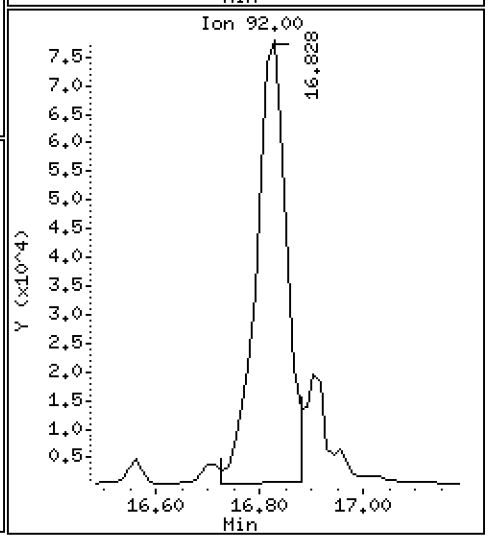












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

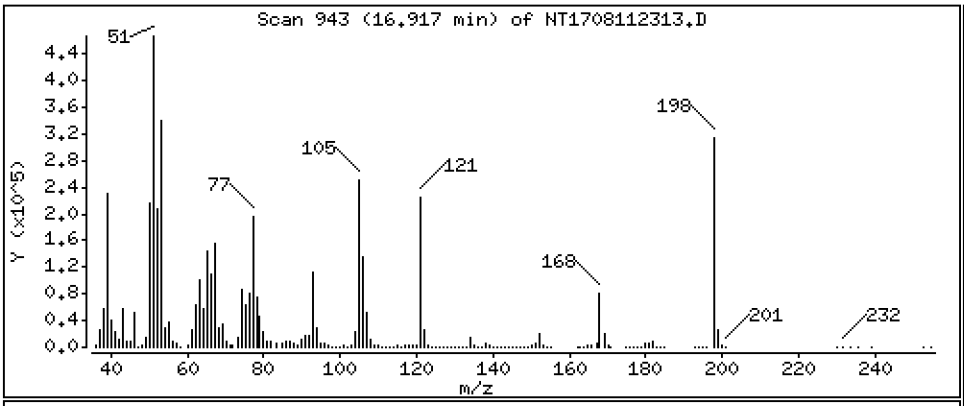
Operator: JGR

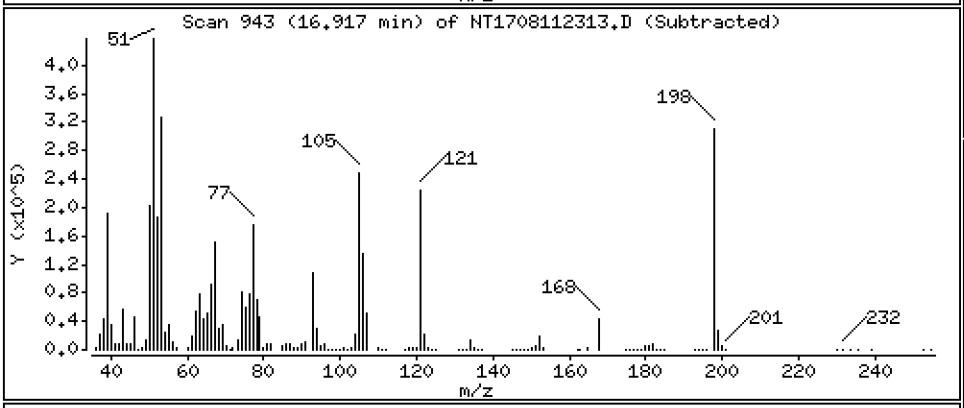
Column phase: ZB-5msi

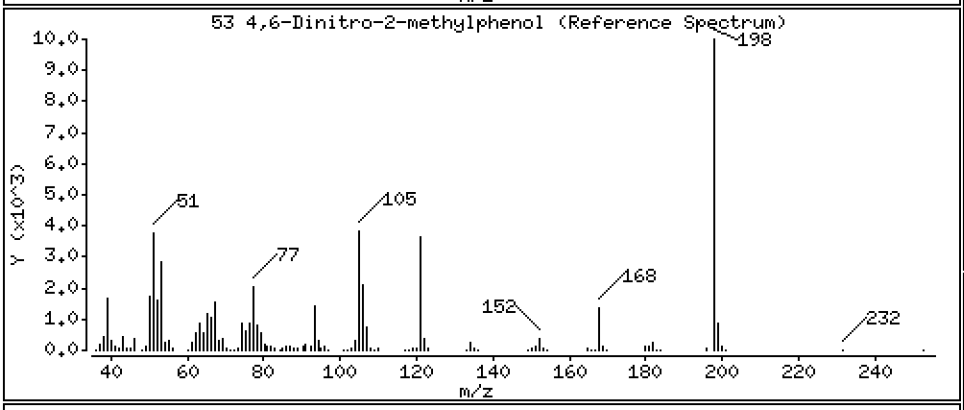
Column diameter: 0.25

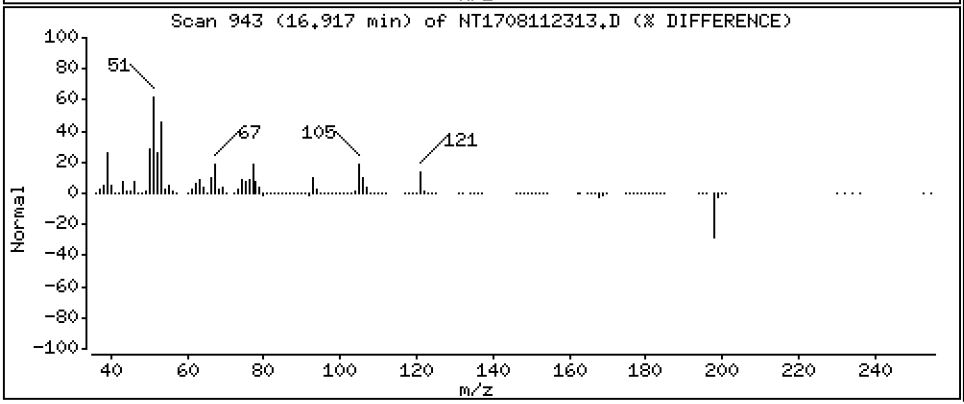
53 4,6-Dinitro-2-methylphenol

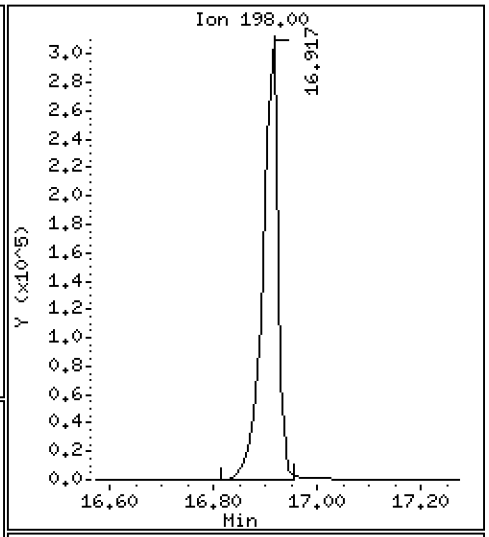
Concentration: 21.74 ug/mL

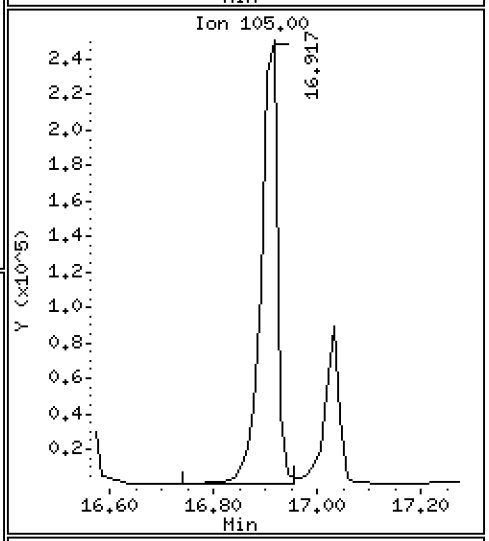


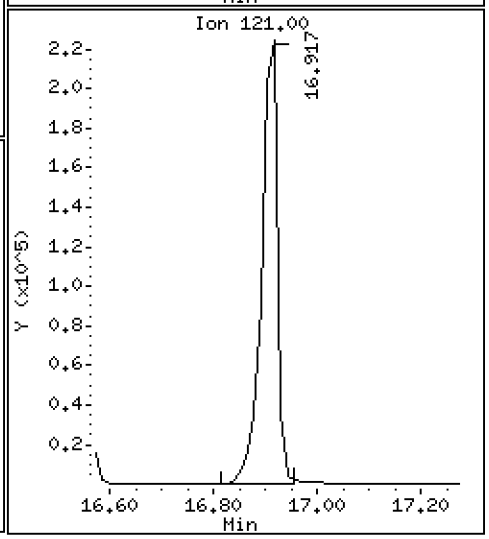












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

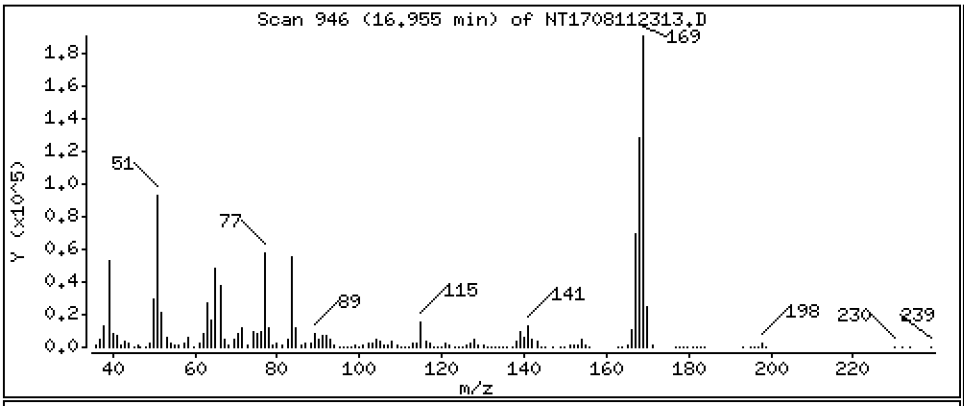
Operator: JGR

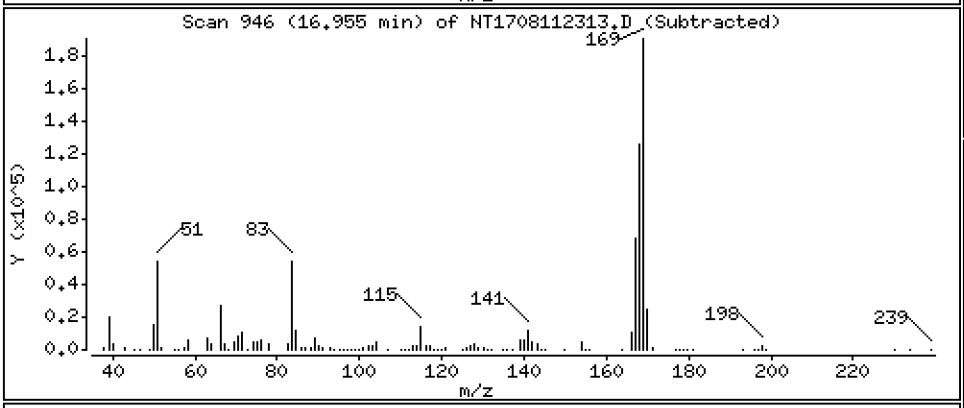
Column phase: ZB-5msi

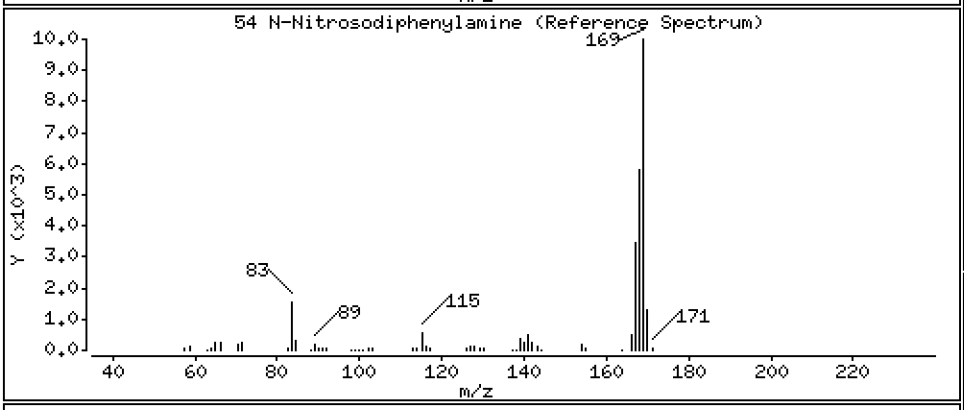
Column diameter: 0.25

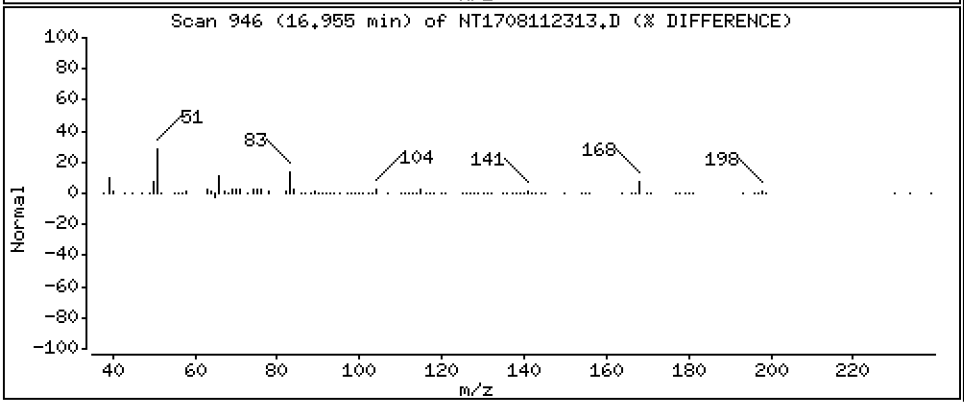
54 N-Nitrosodiphenylamine

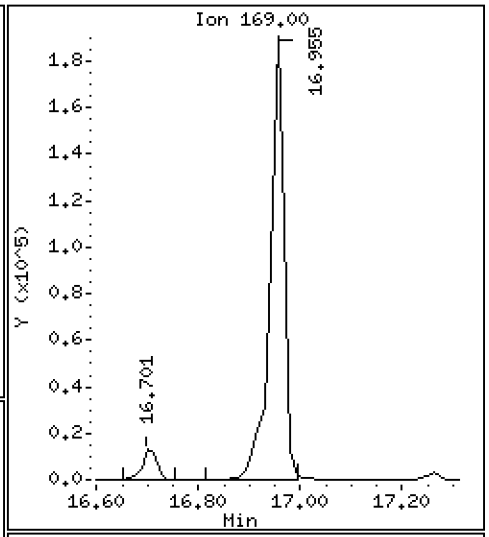
Concentration: 3.161 ug/mL

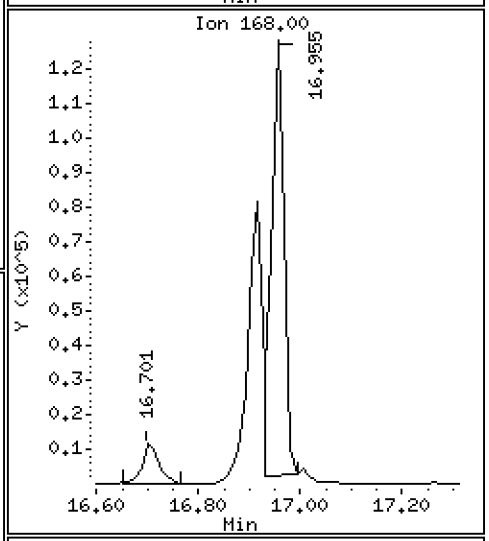


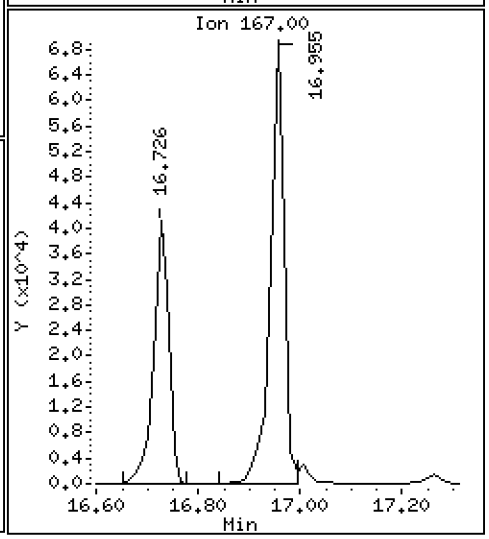












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

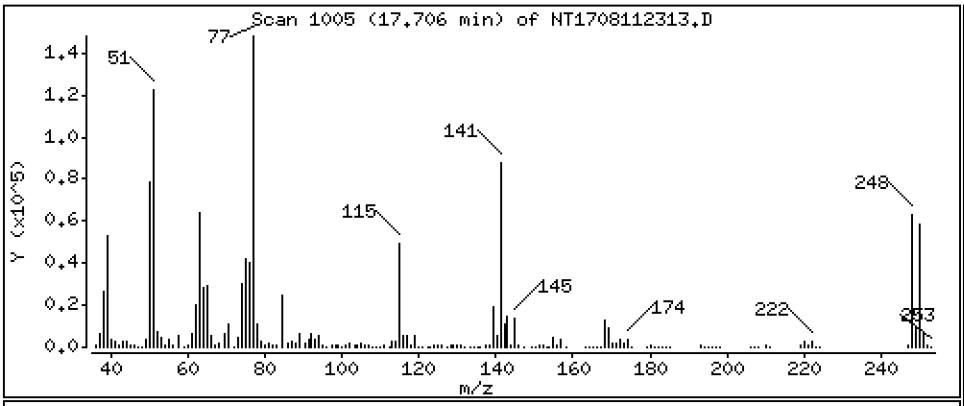
Operator: JGR

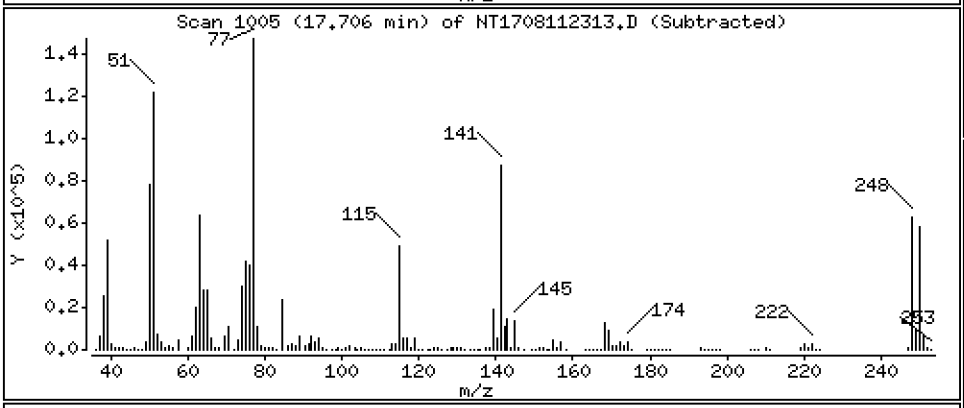
Column phase: ZB-5msi

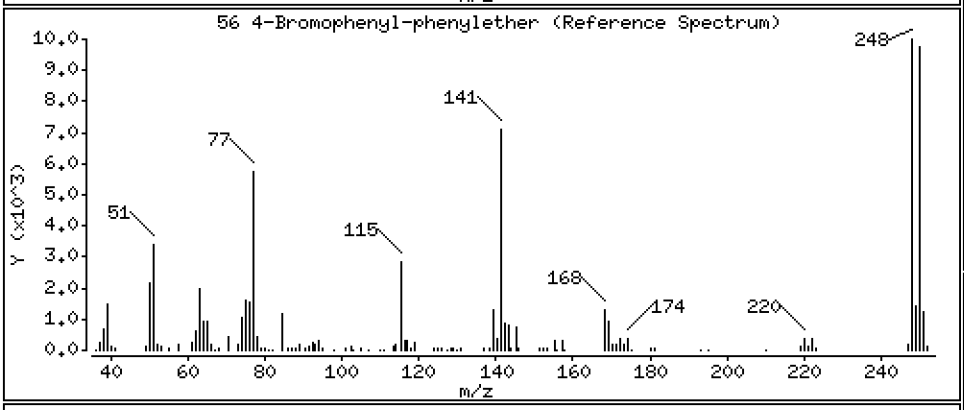
Column diameter: 0.25

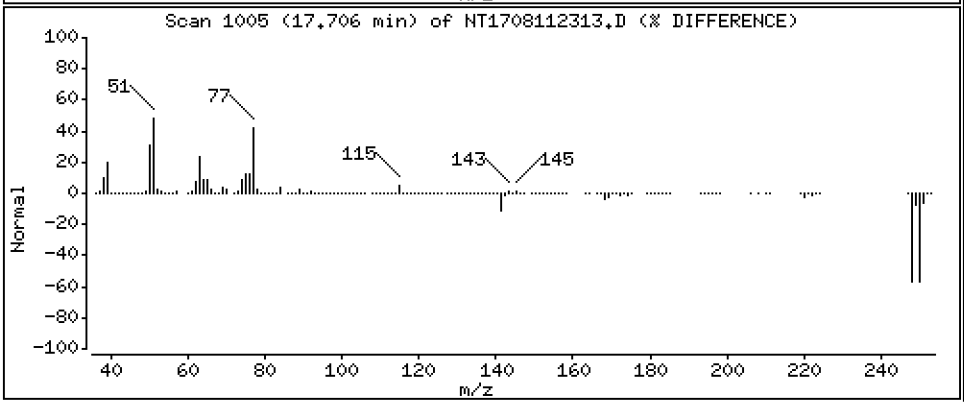
56 4-Bromophenyl-phenylether

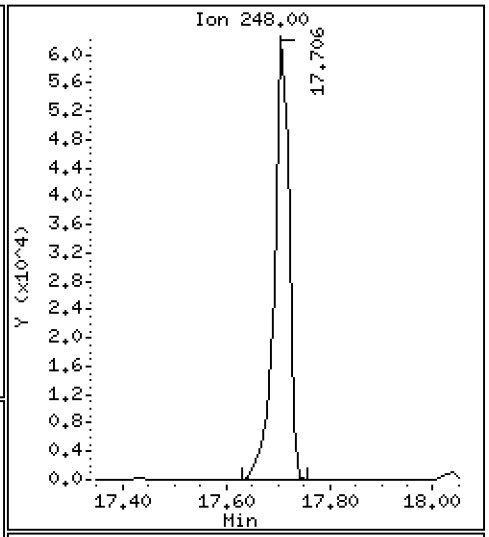
Concentration: 3.857 ug/mL

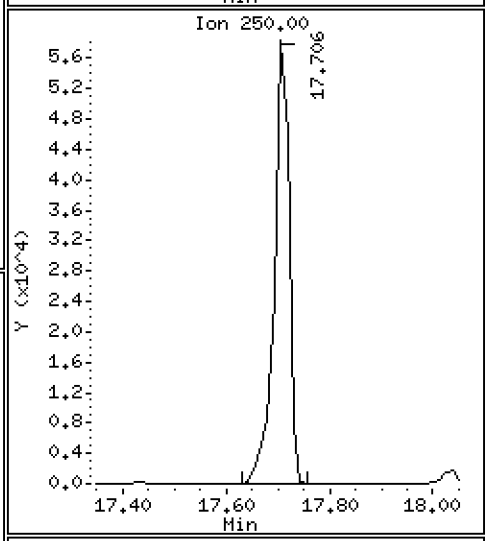


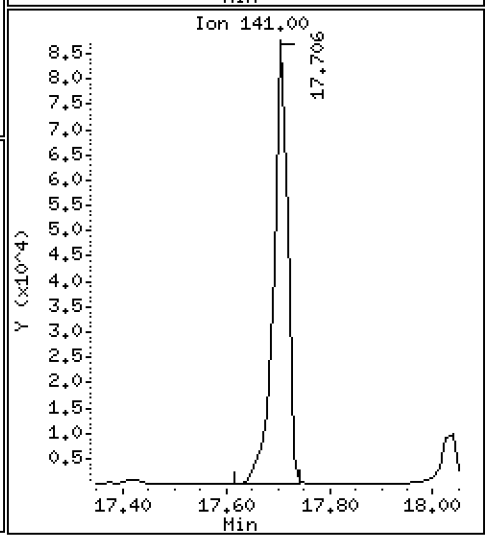












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

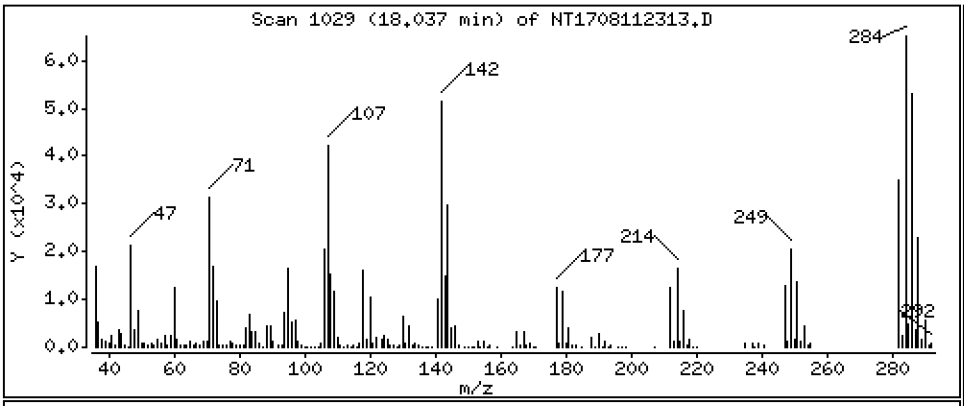
Operator: JGR

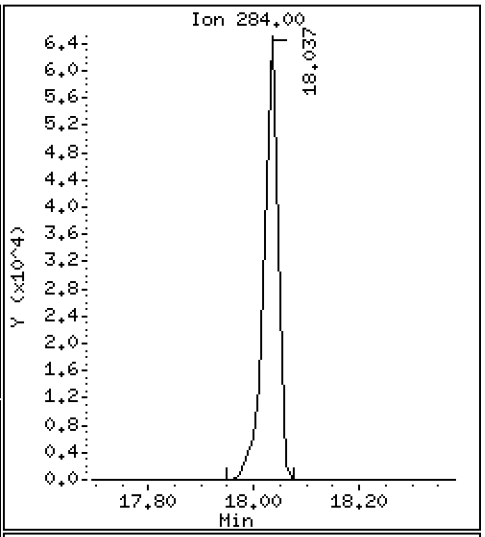
Column phase: ZB-5msi

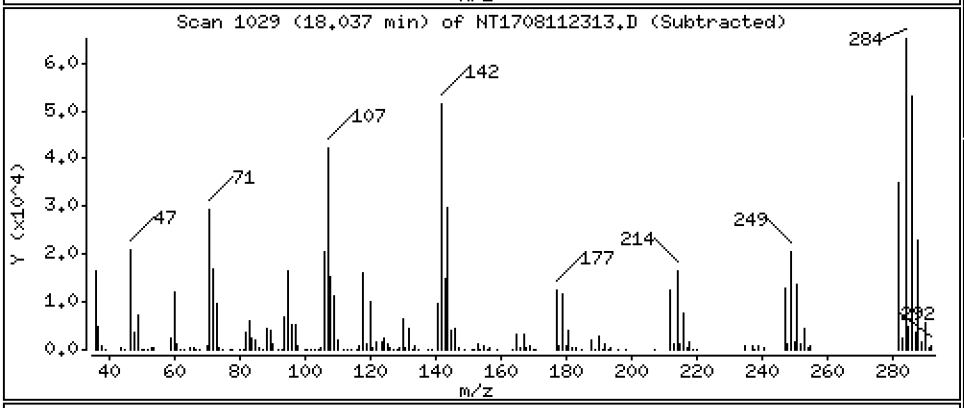
Column diameter: 0.25

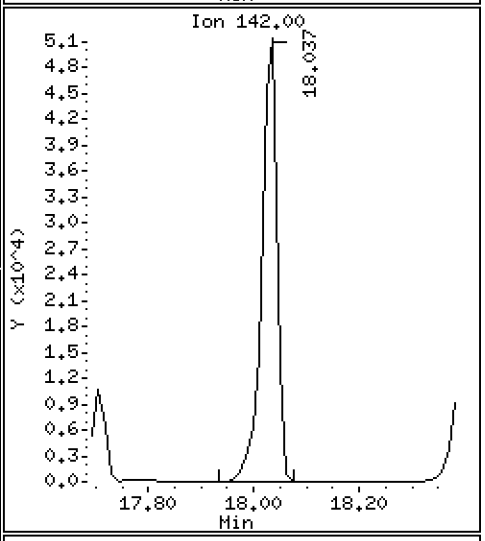
57 Hexachlorobenzene

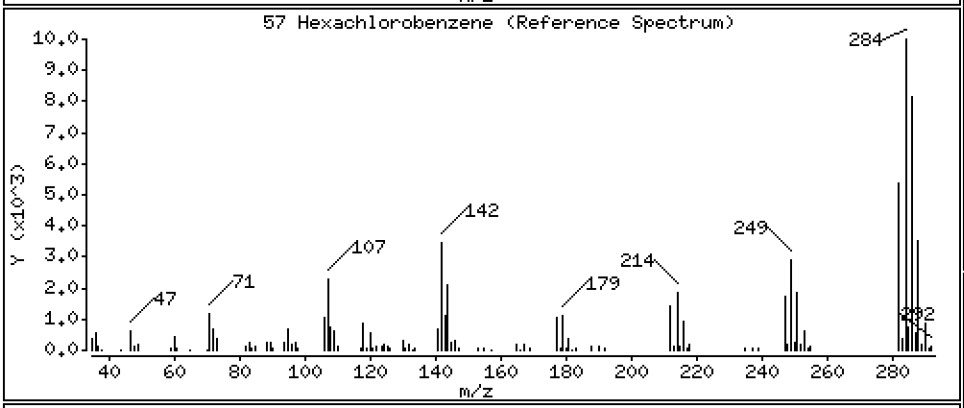
Concentration: 3.491 ug/mL

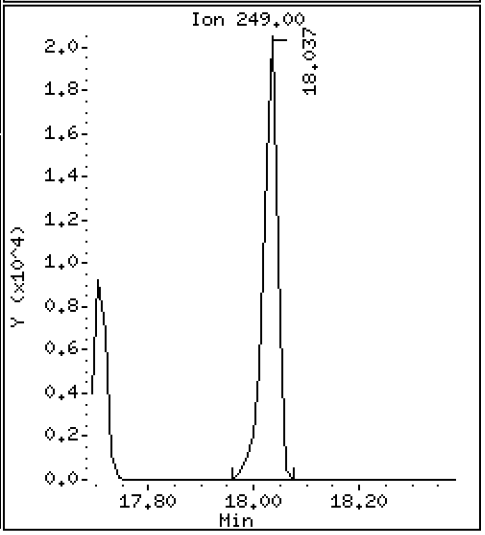


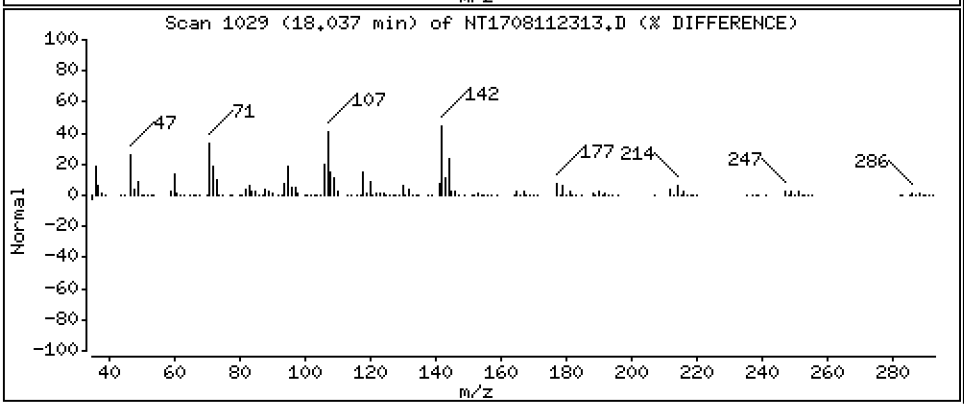












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

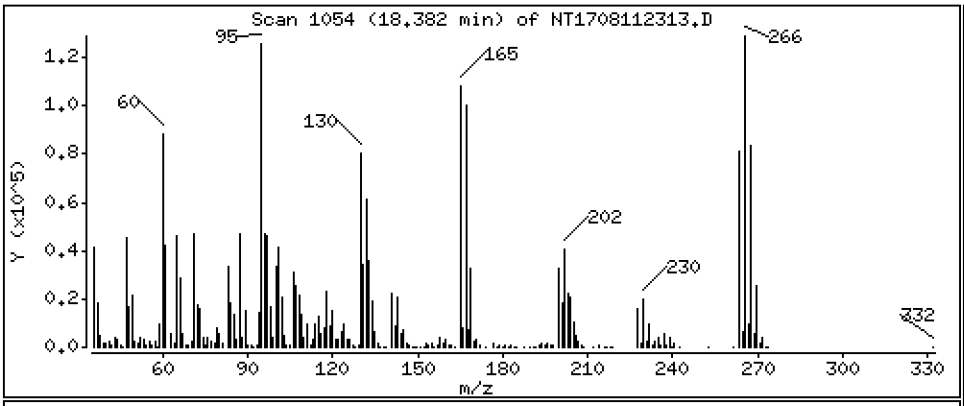
Operator: JGR

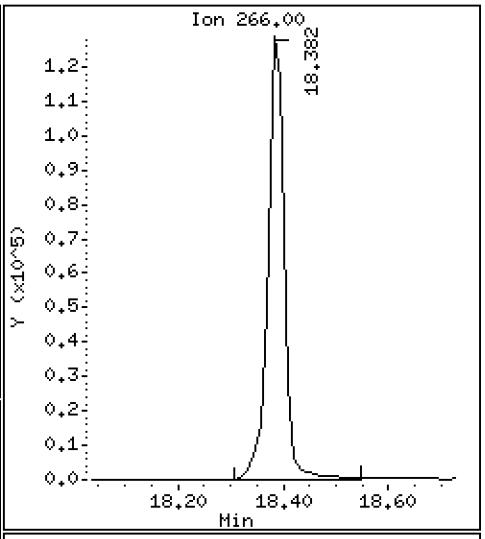
Column phase: ZB-5msi

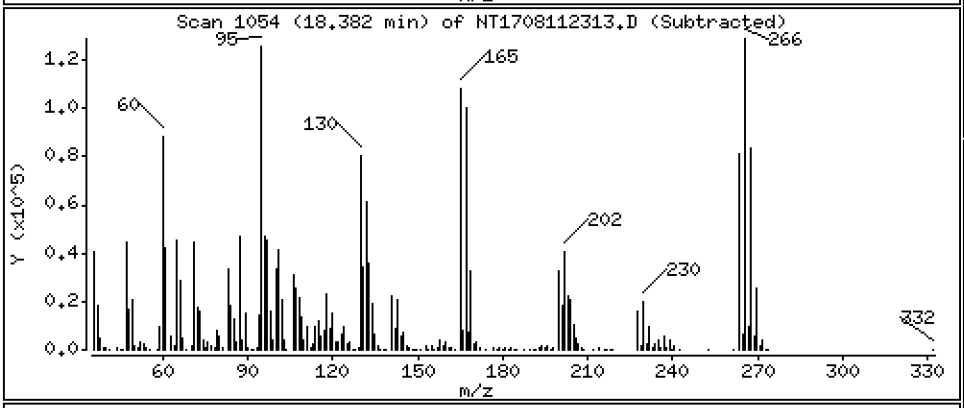
Column diameter: 0.25

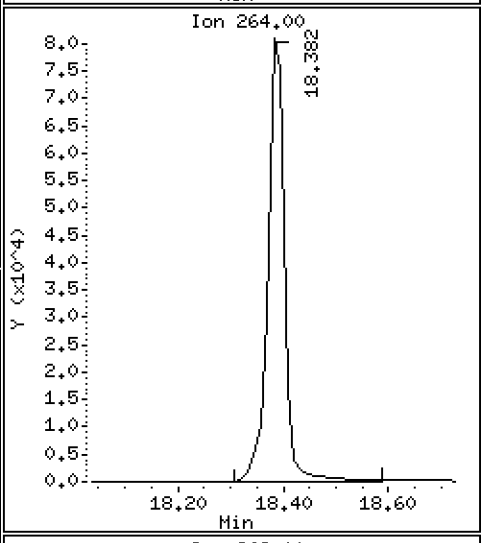
58 Pentachlorophenol

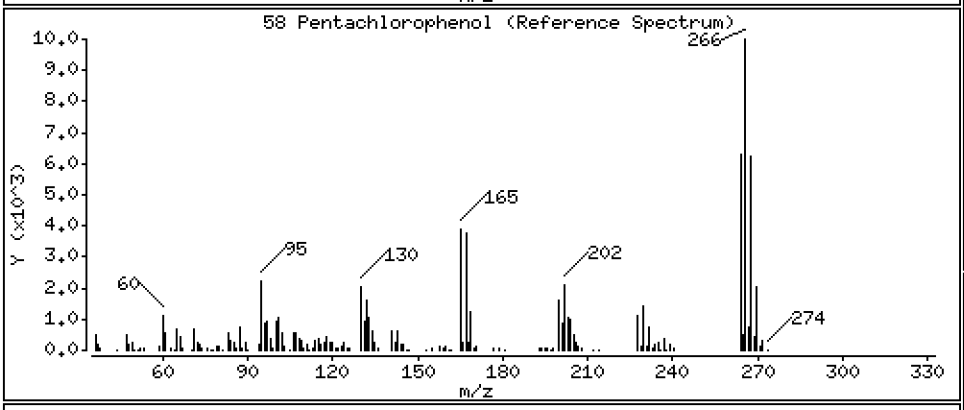
Concentration: 12.91 ug/mL

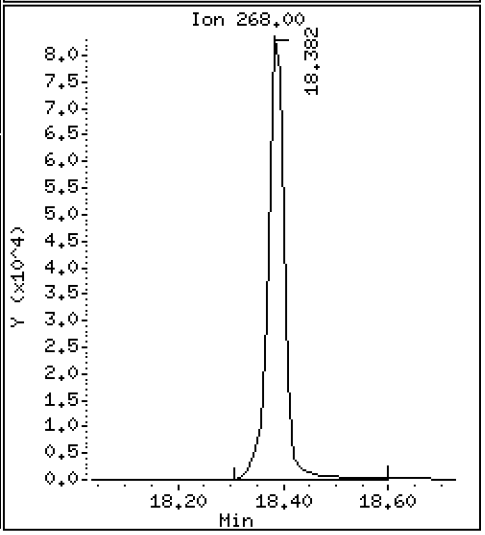


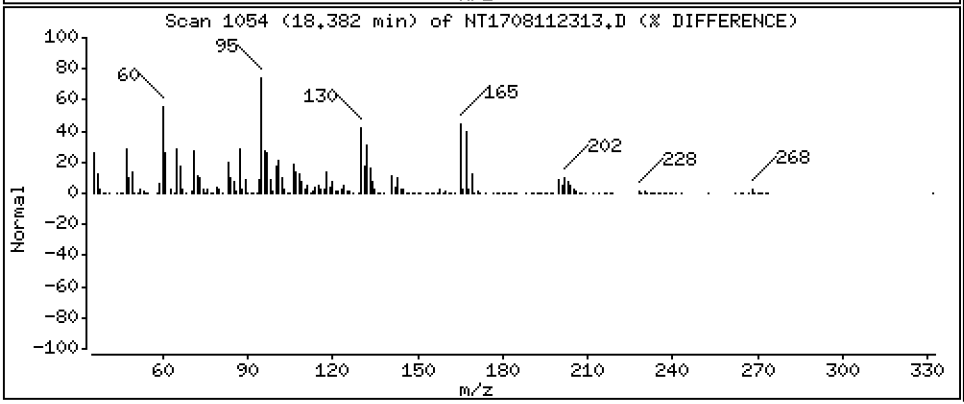












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

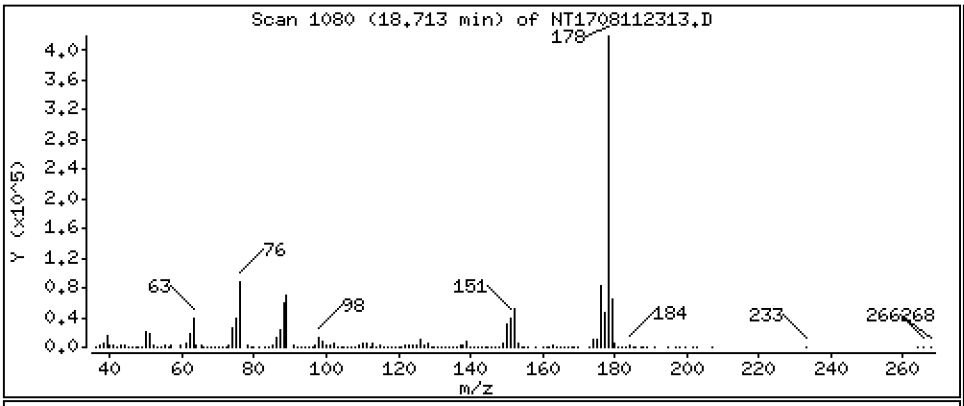
Operator: JGR

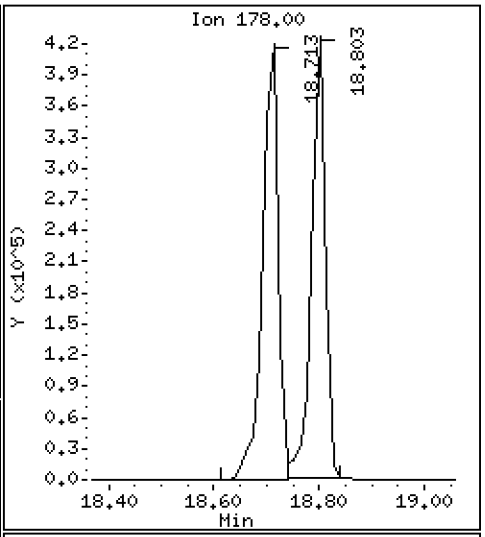
Column phase: ZB-5msi

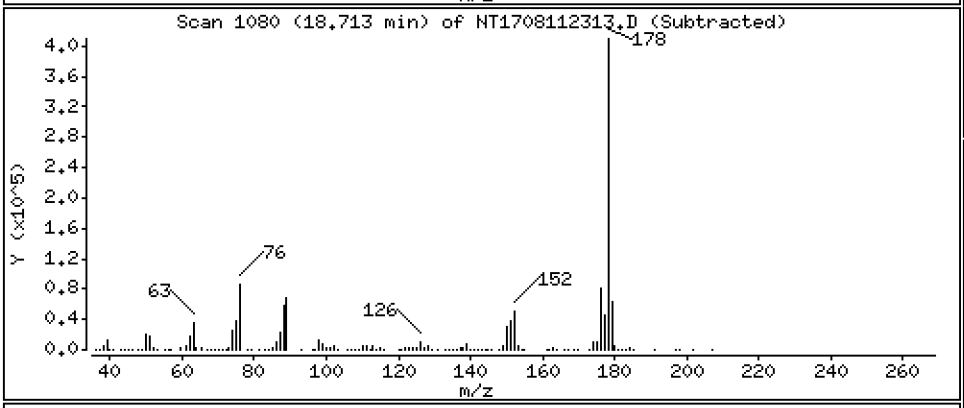
Column diameter: 0.25

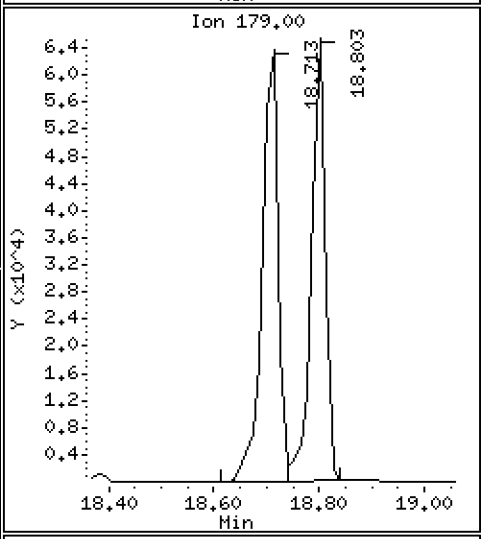
60 Phenanthrene

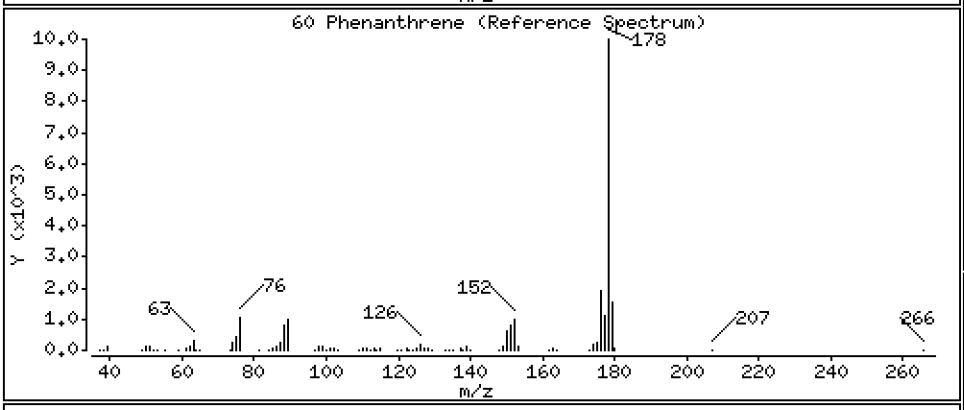
Concentration: 3.821 ug/mL

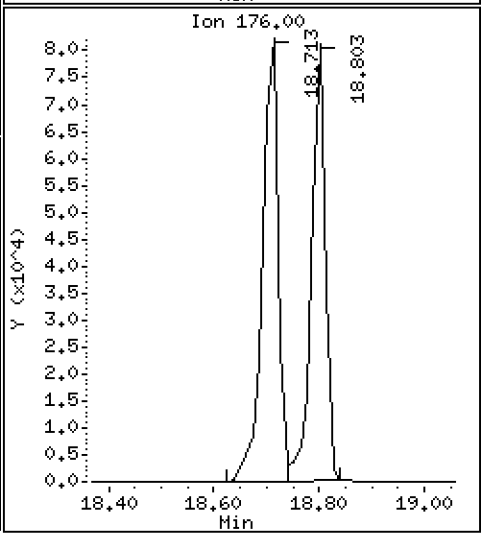


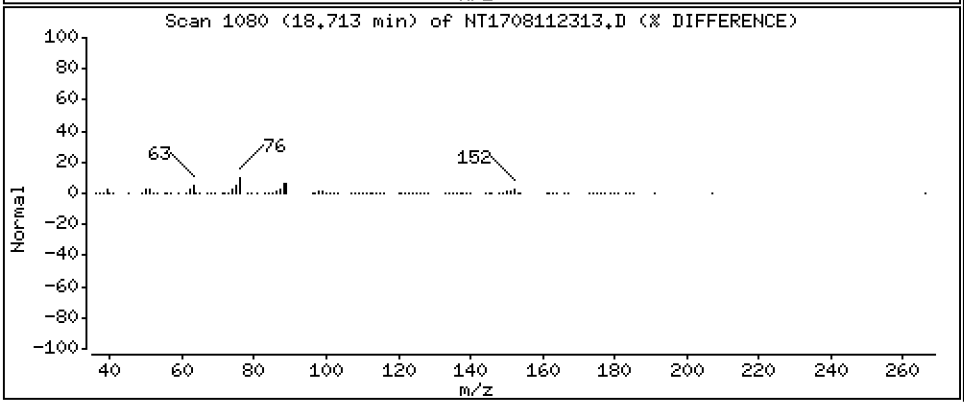












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

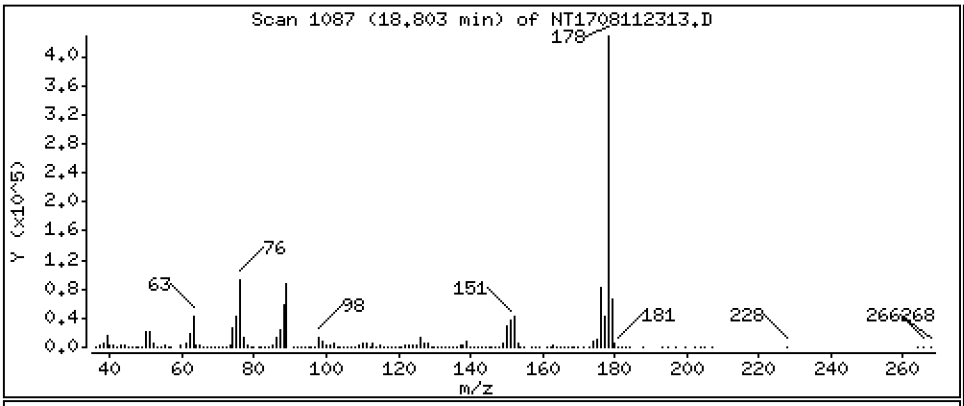
Operator: JGR

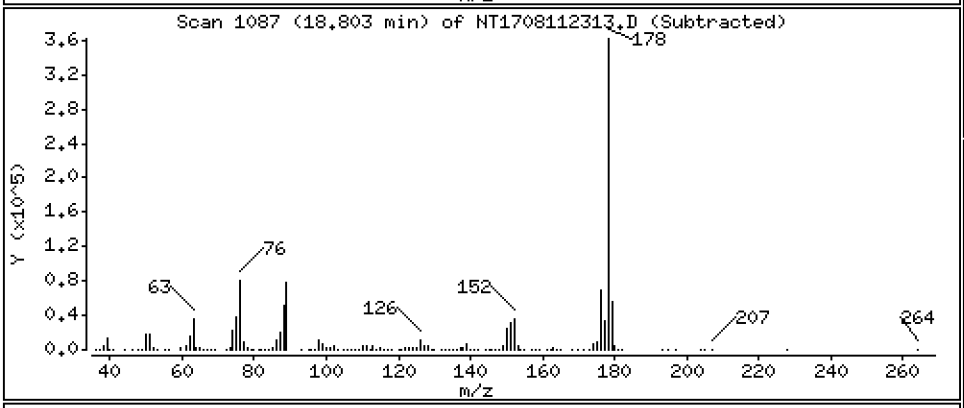
Column phase: ZB-5msi

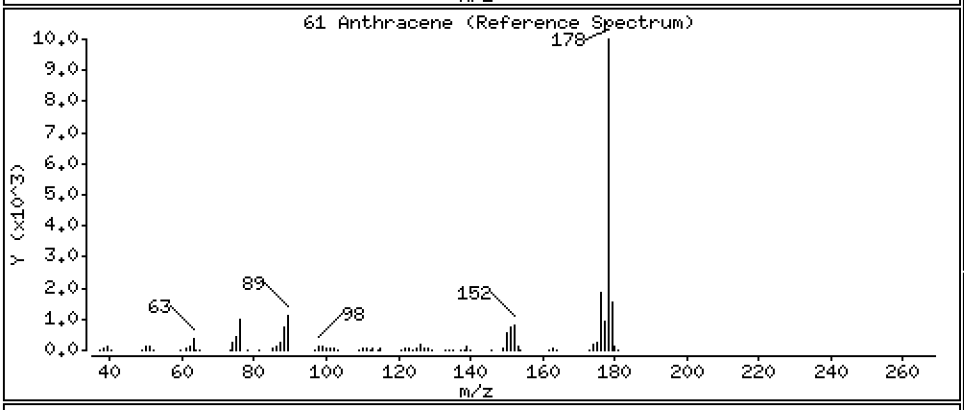
Column diameter: 0.25

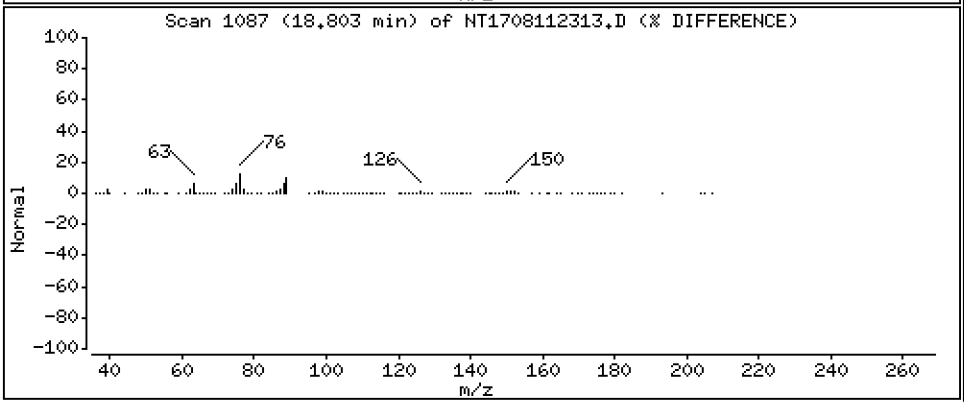
61 Anthracene

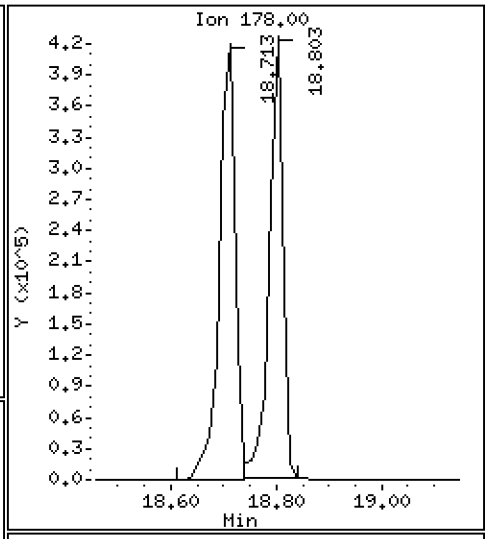
Concentration: 3.997 ug/mL

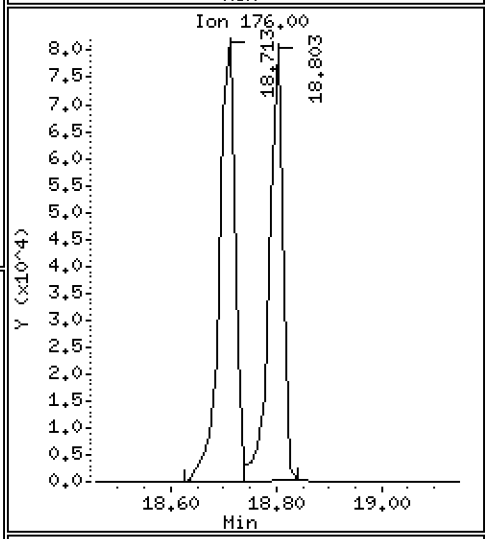


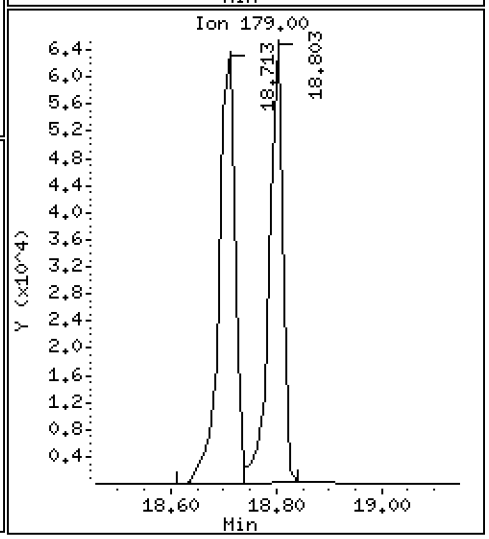












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

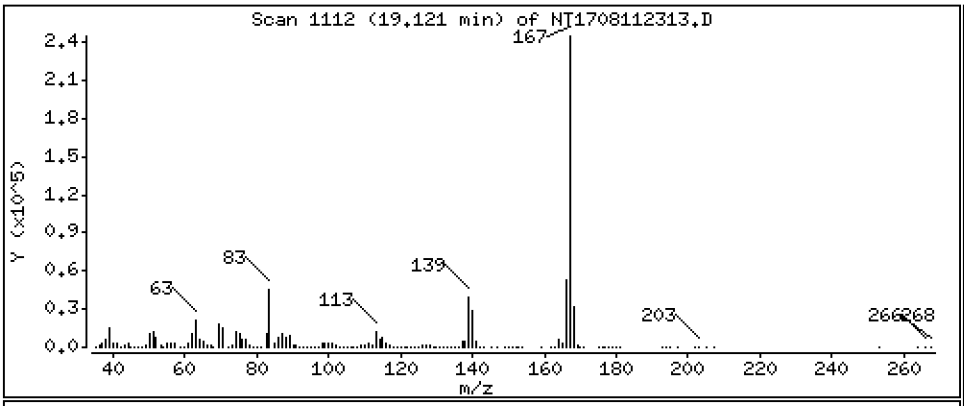
Operator: JGR

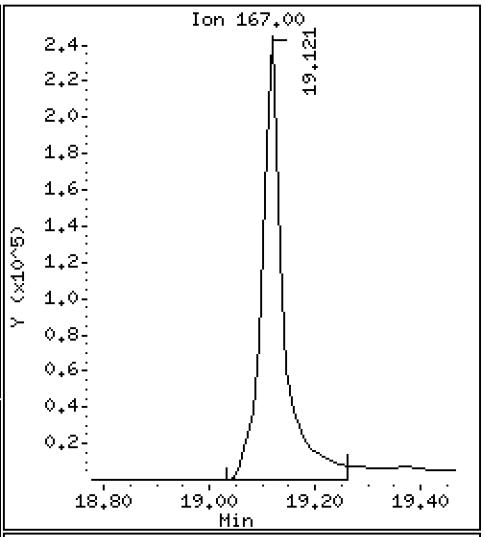
Column phase: ZB-5msi

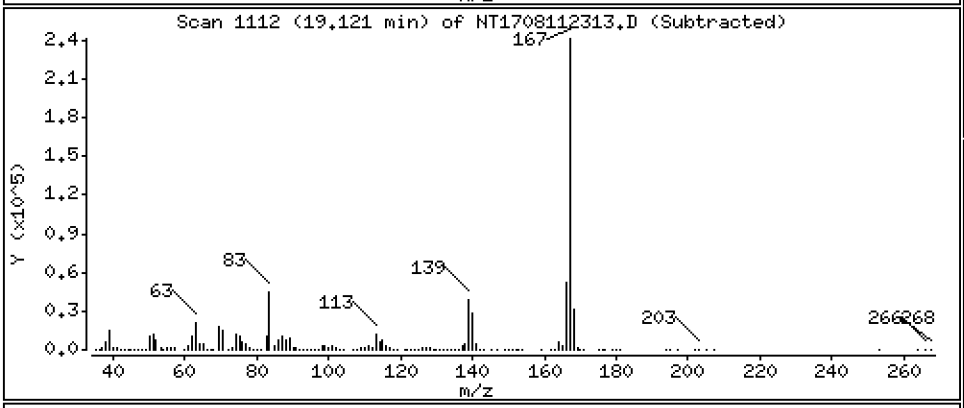
Column diameter: 0.25

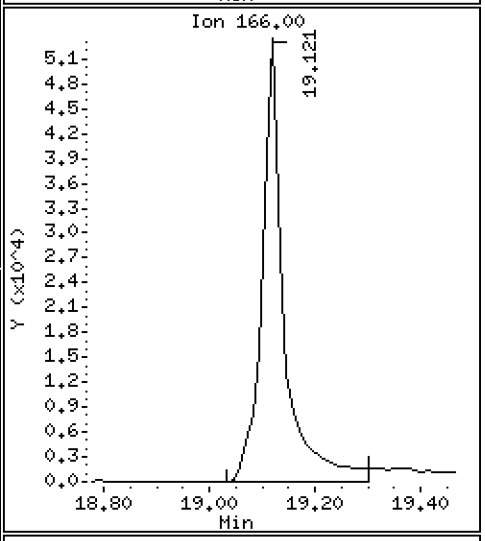
62 Carbazole

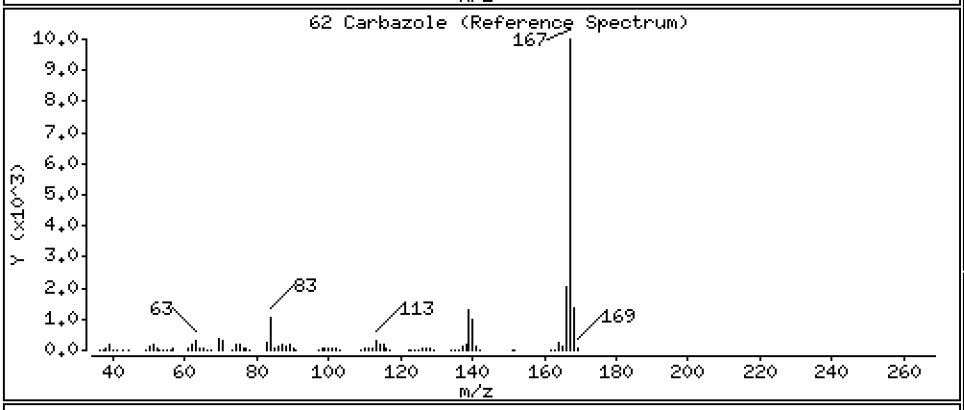
Concentration: 3.434 ug/mL

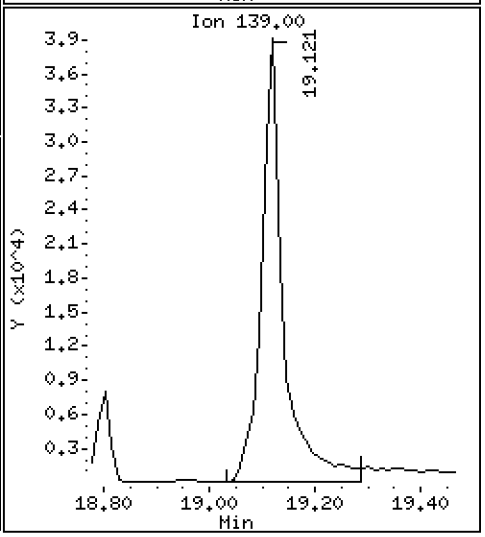


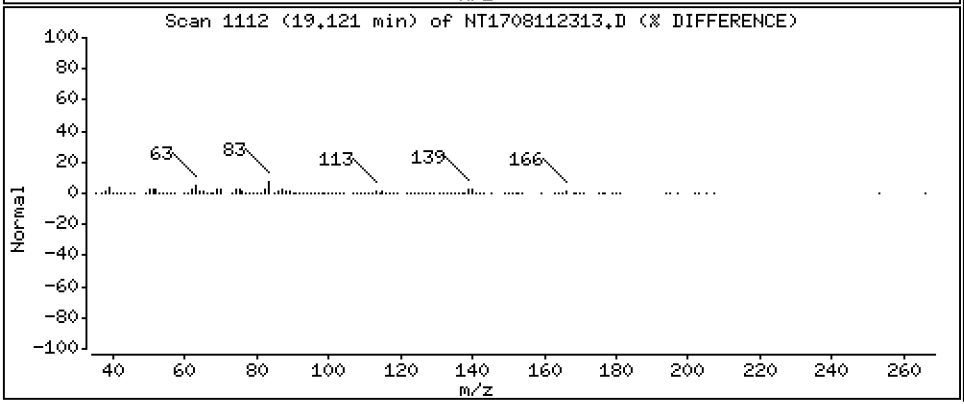












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

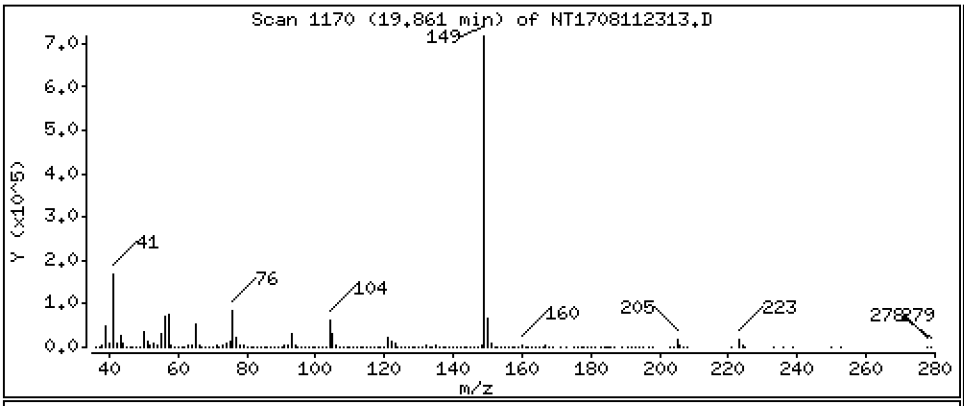
Operator: JGR

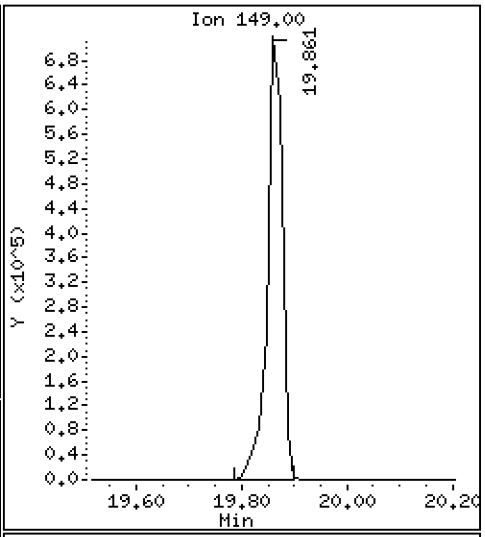
Column phase: ZB-5msi

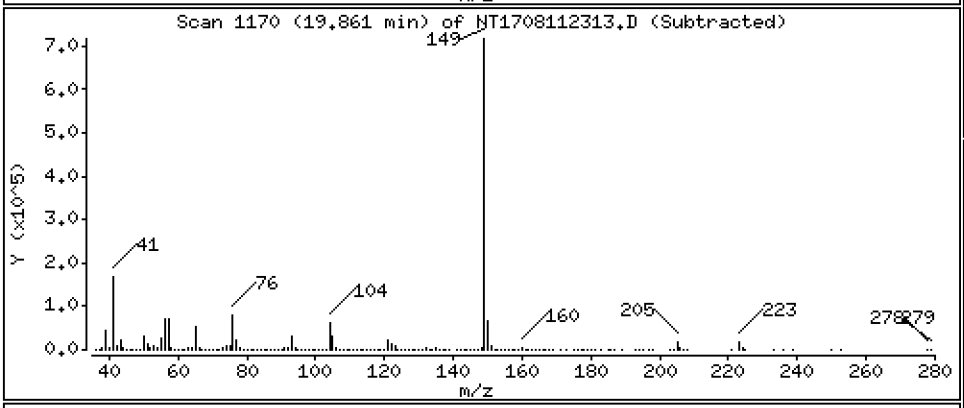
Column diameter: 0.25

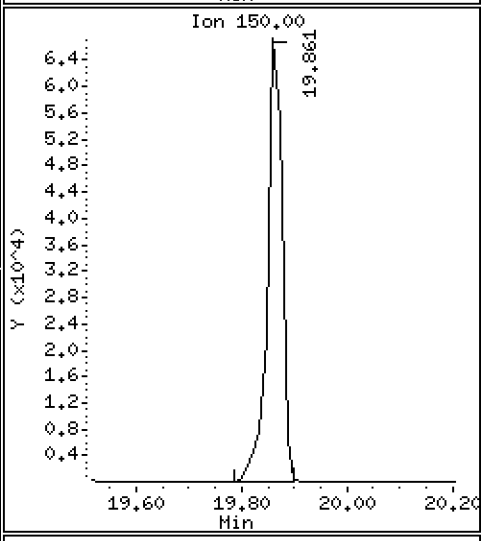
63 Di-n-butylphthalate

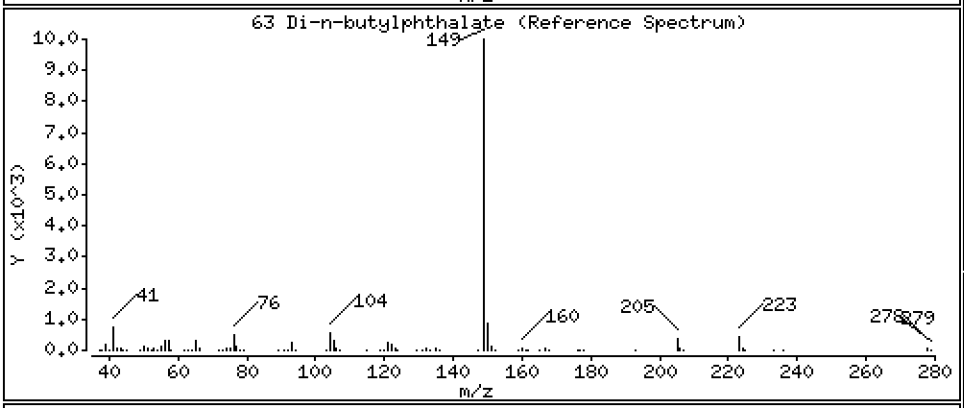
Concentration: 3.725 ug/mL

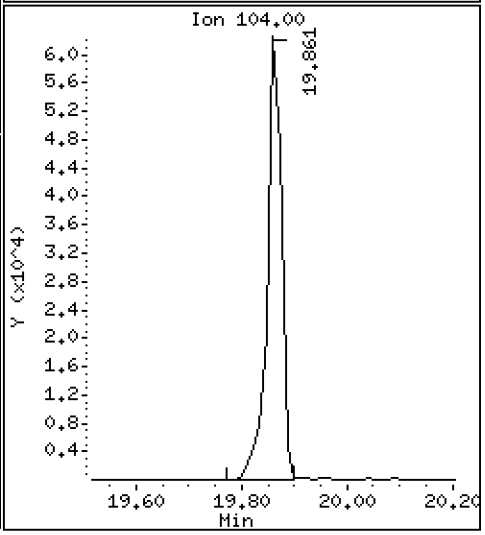


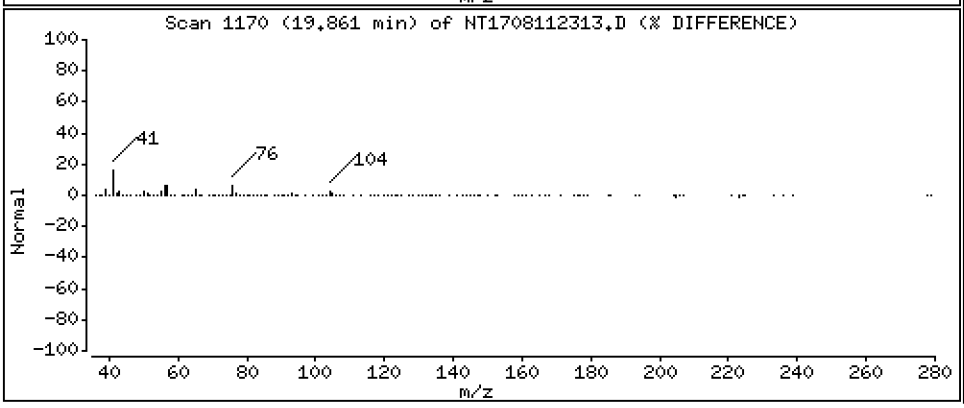












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

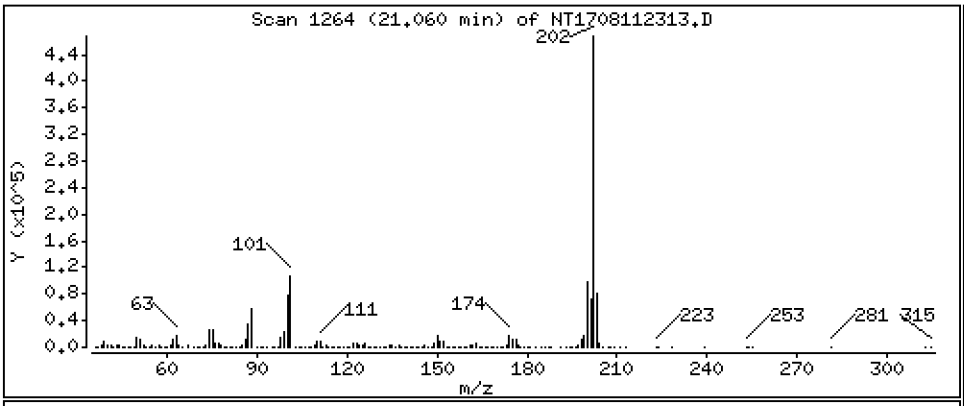
Operator: JGR

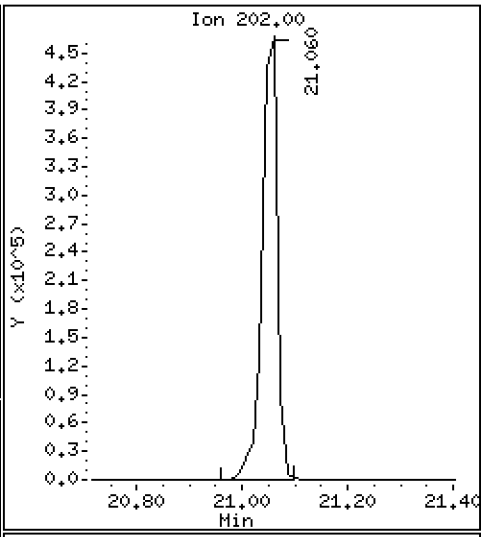
Column phase: ZB-5msi

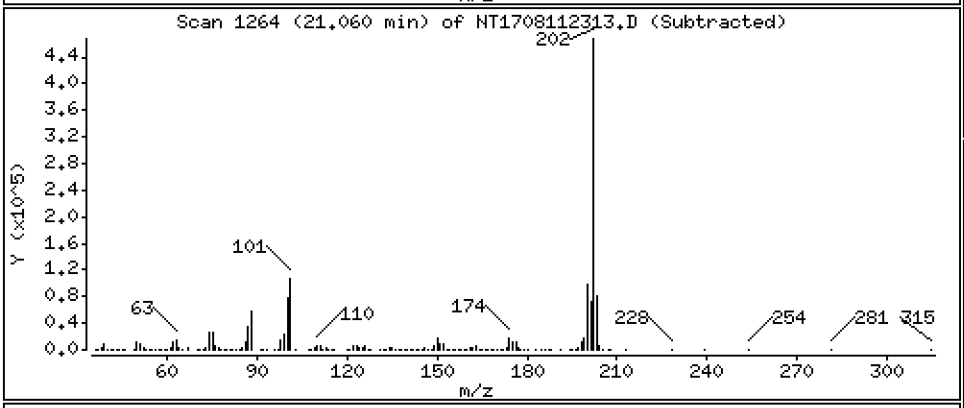
Column diameter: 0.25

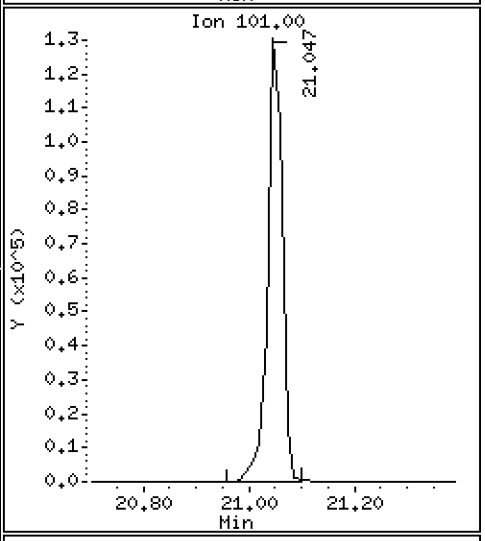
64 Fluoranthene

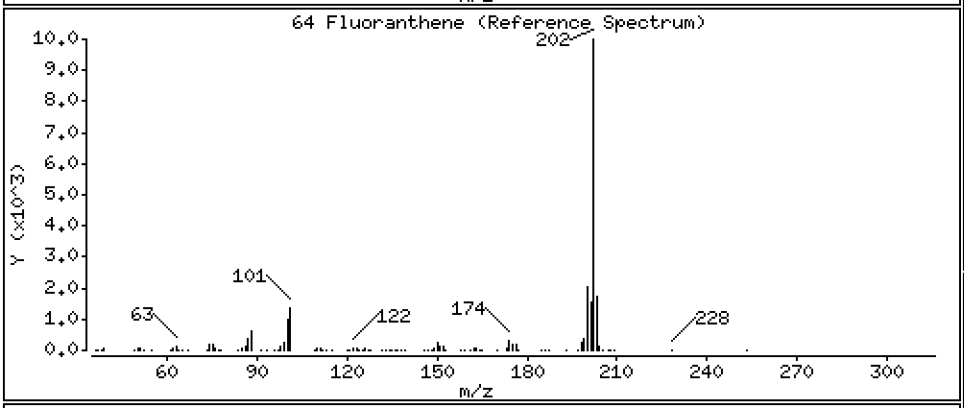
Concentration: 4.409 ug/mL

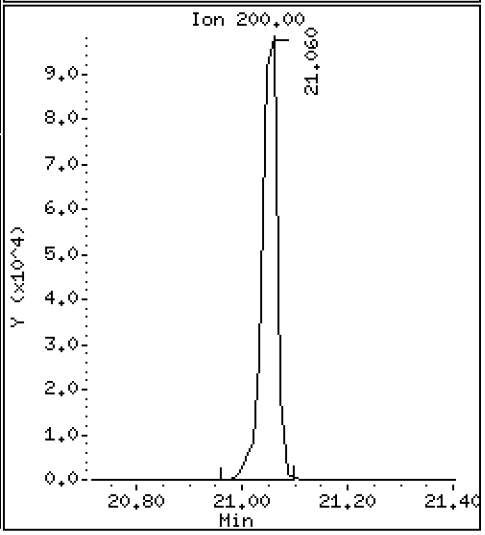


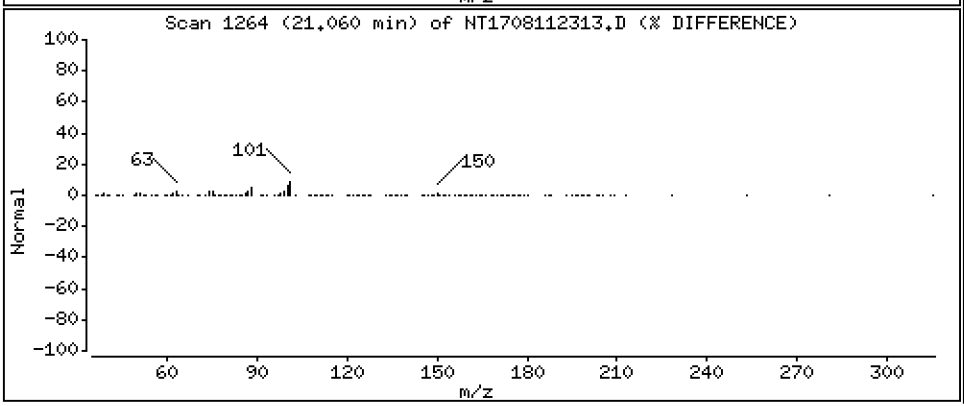












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

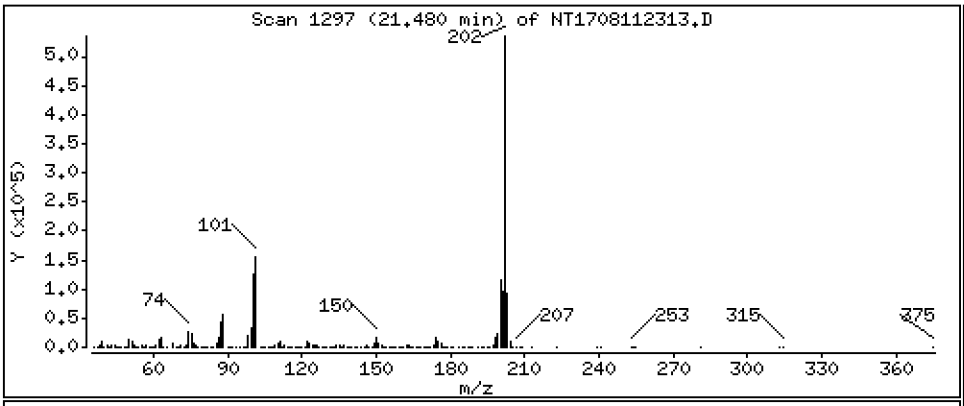
Operator: JGR

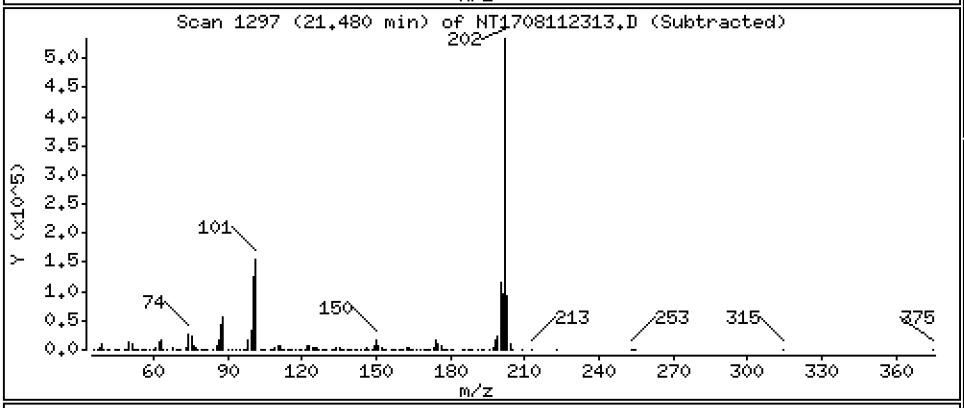
Column phase: ZB-5msi

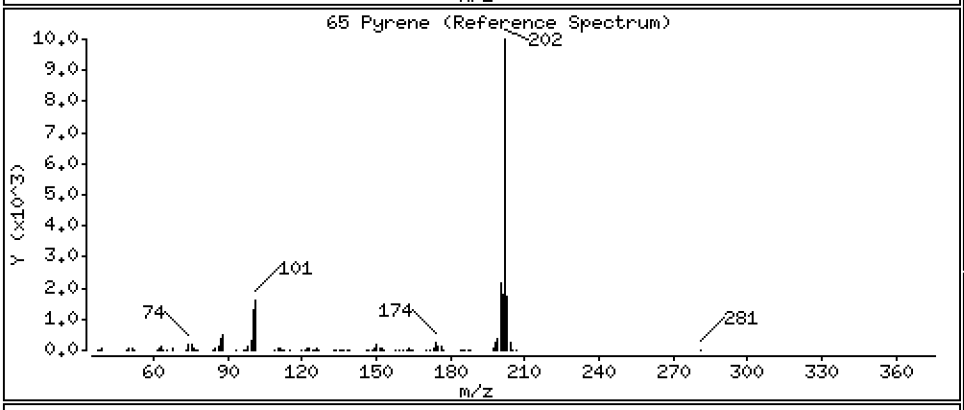
Column diameter: 0.25

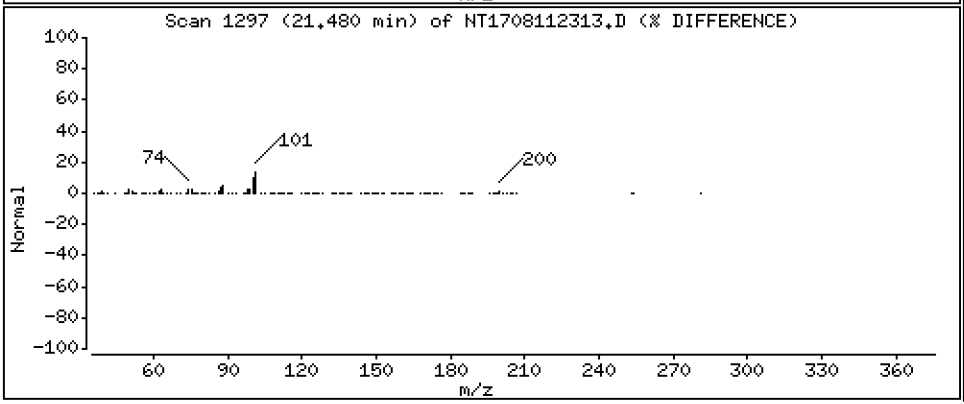
65 Pyrene

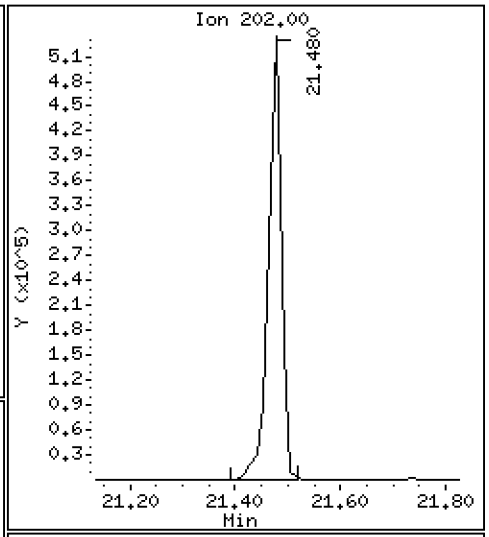
Concentration: 4.226 ug/mL

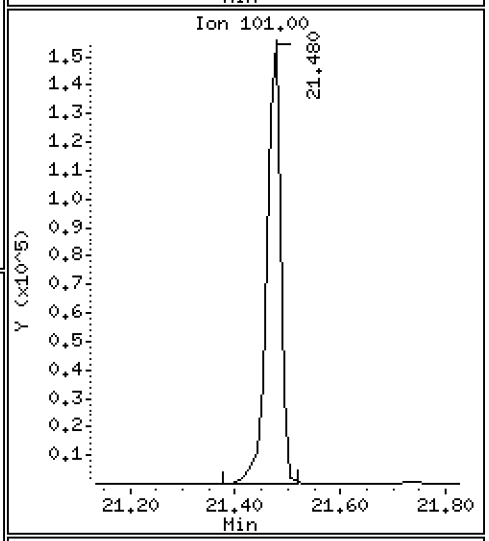


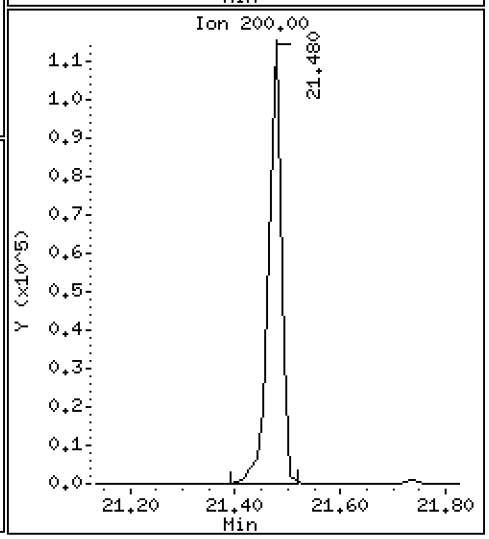












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

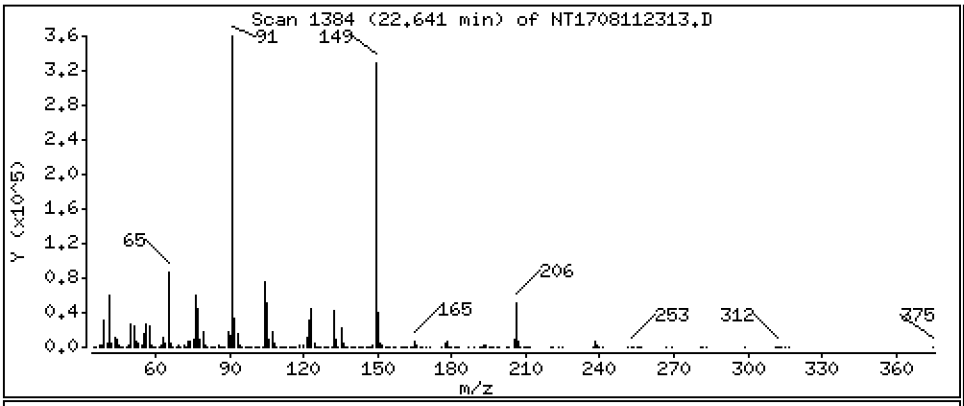
Operator: JGR

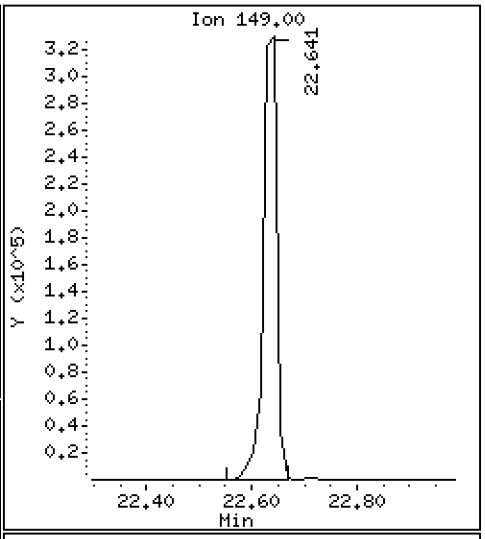
Column phase: ZB-5msi

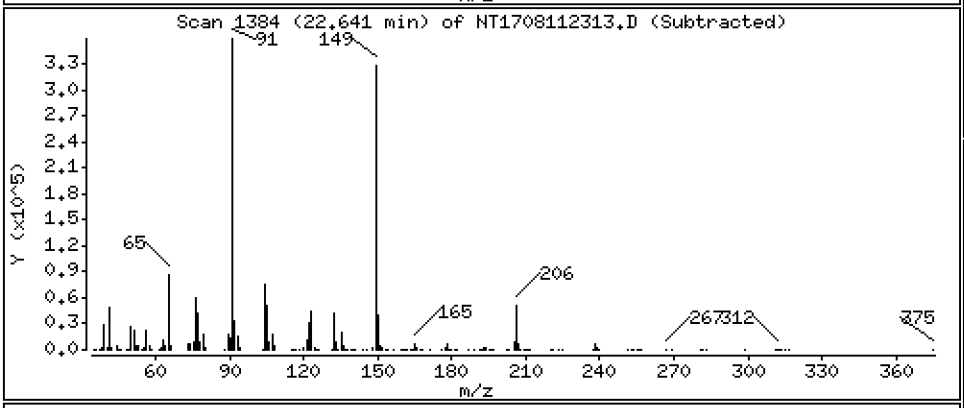
Column diameter: 0.25

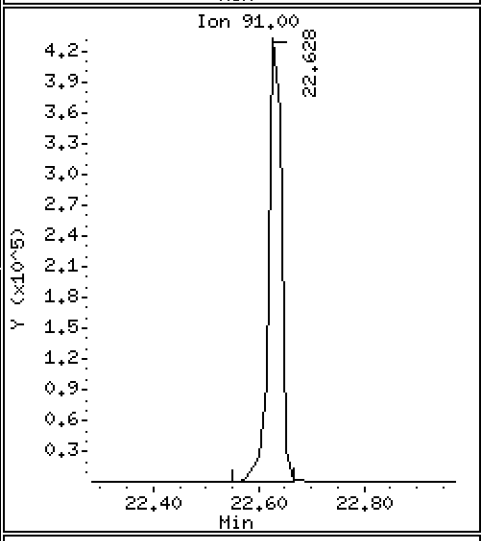
67 Butylbenzylphthalate

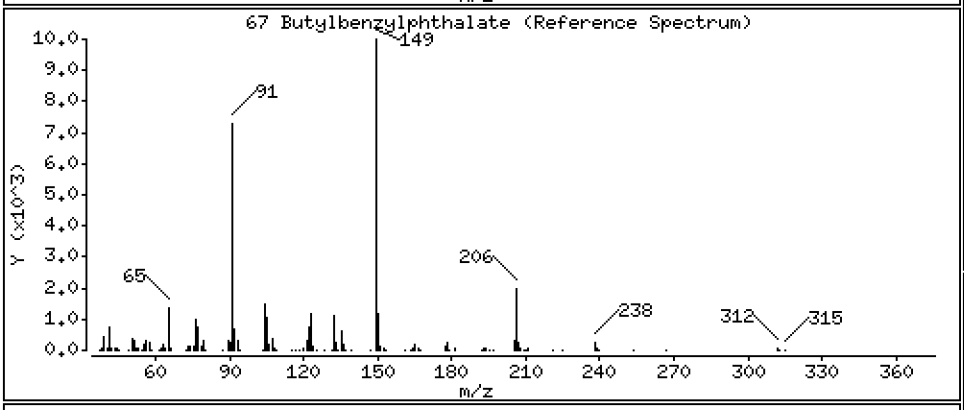
Concentration: 4.057 ug/mL

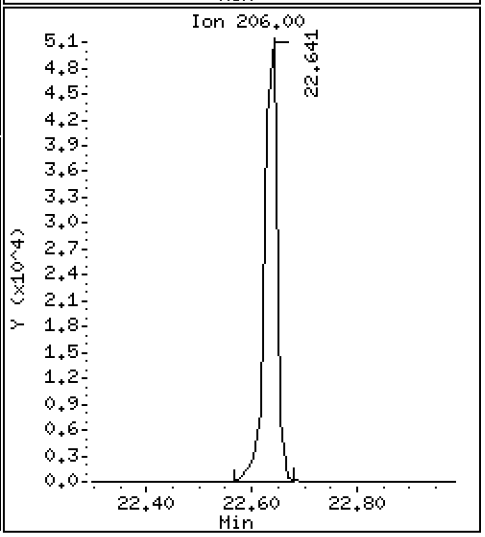


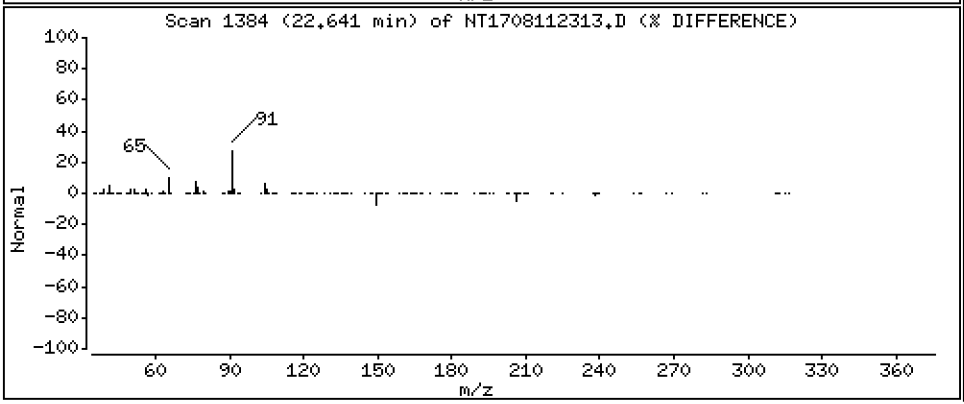












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

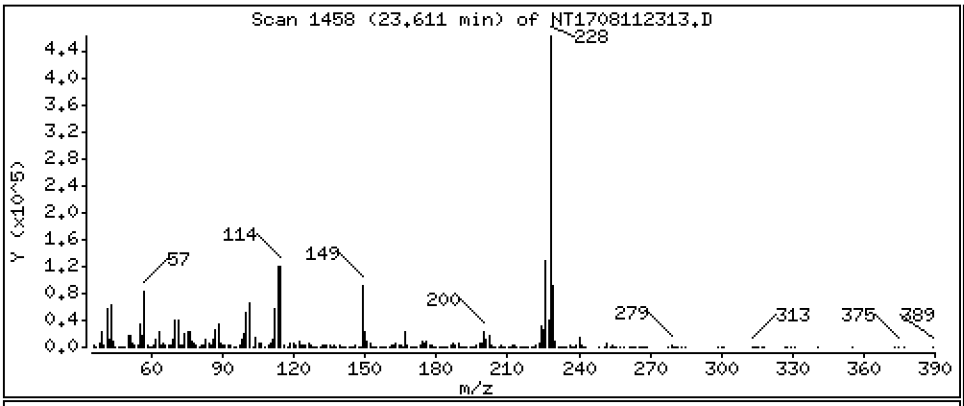
Operator: JGR

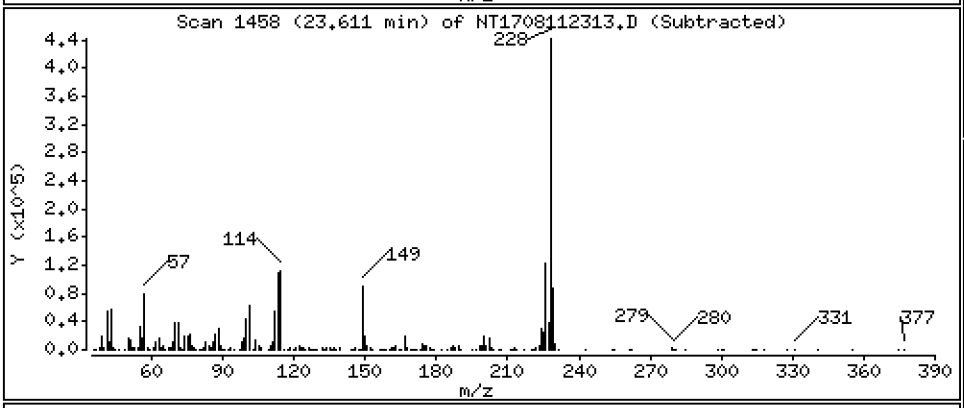
Column phase: ZB-5msi

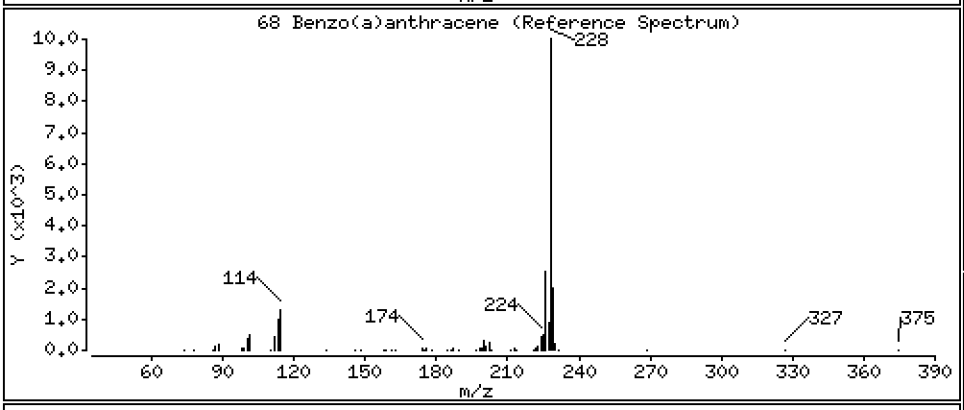
Column diameter: 0.25

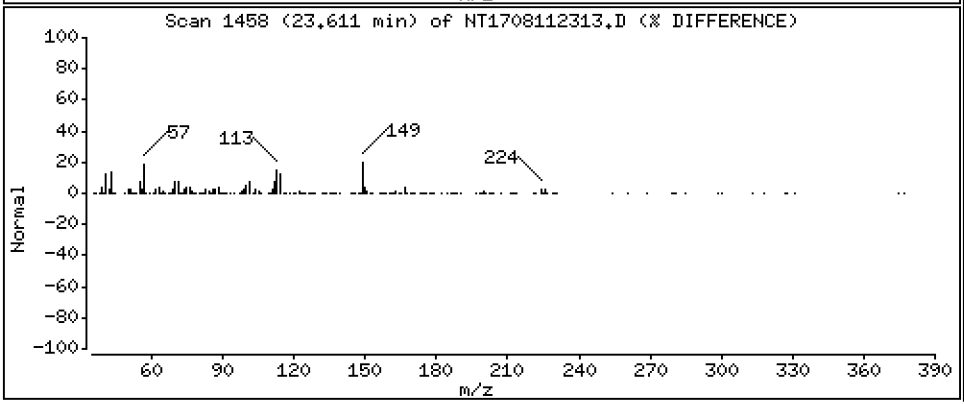
68 Benzo(a)anthracene

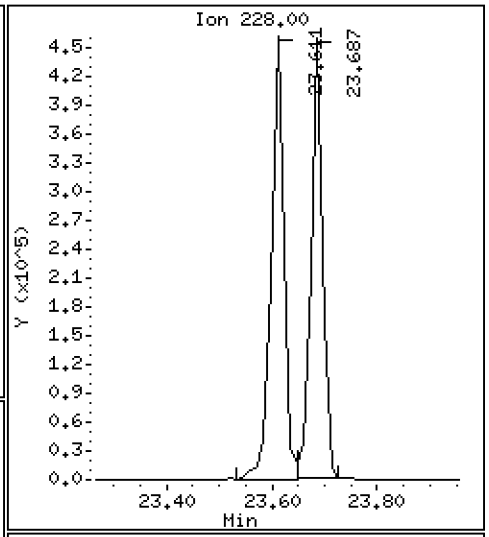
Concentration: 4.016 ug/mL

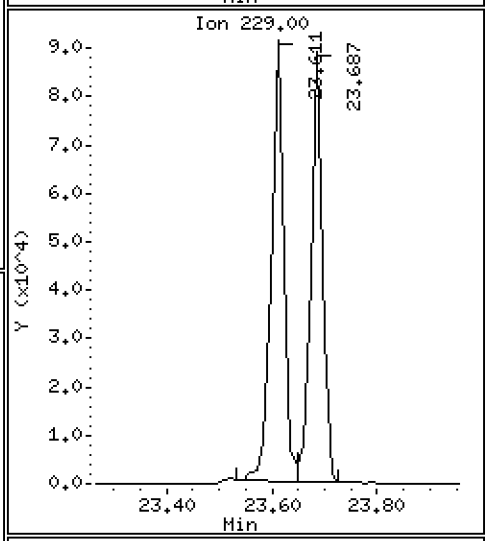


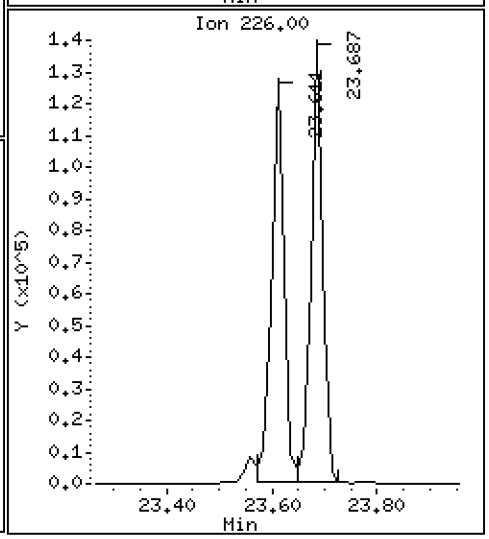












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

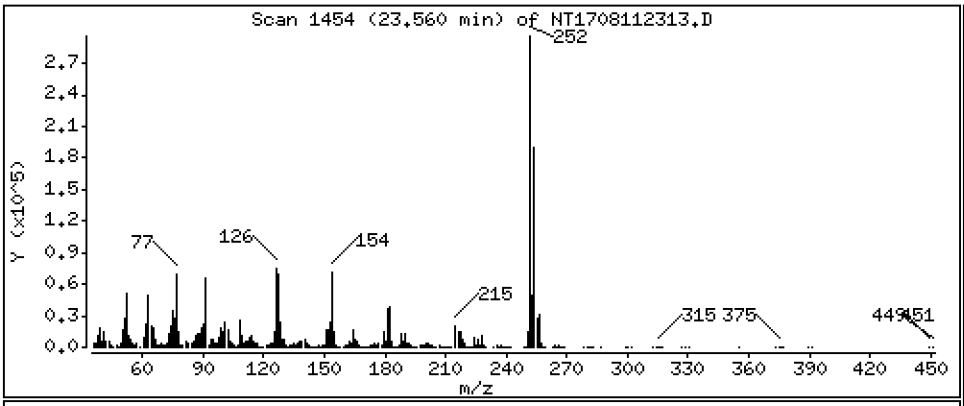
Operator: JGR

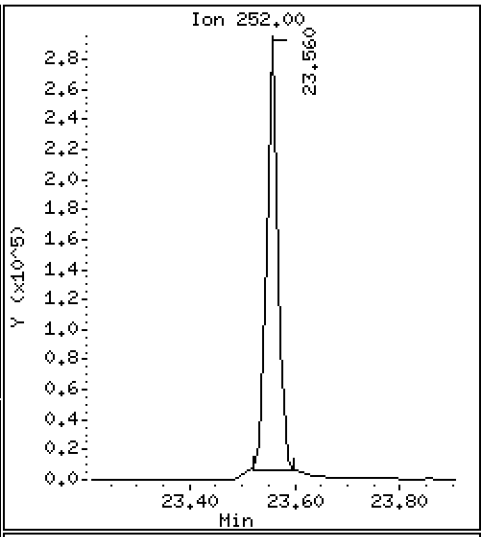
Column phase: ZB-5msi

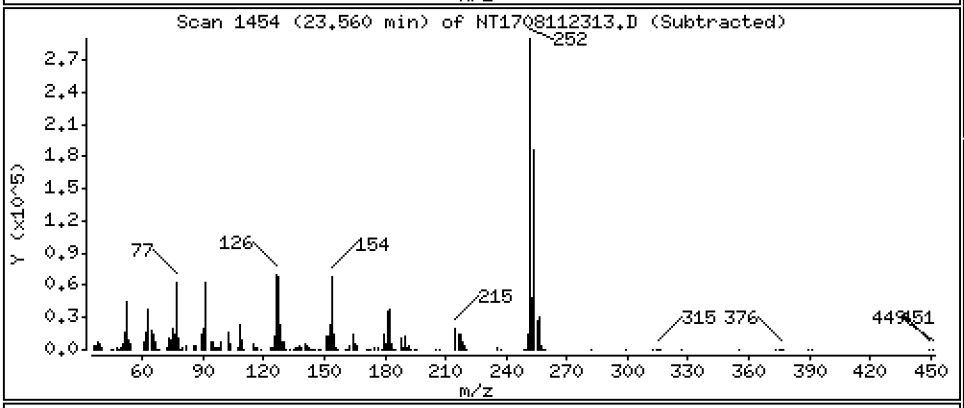
Column diameter: 0.25

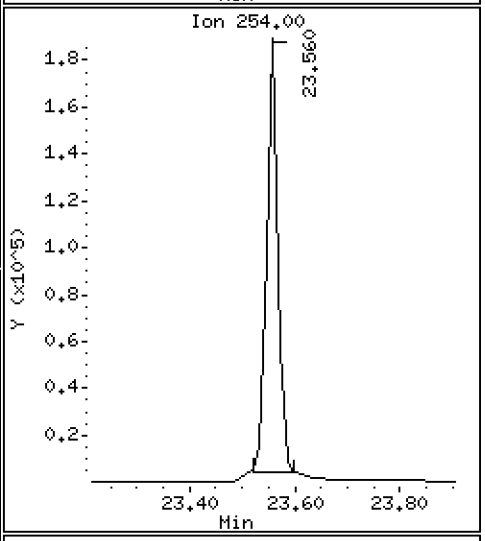
70 3,3'-Dichlorobenzidine

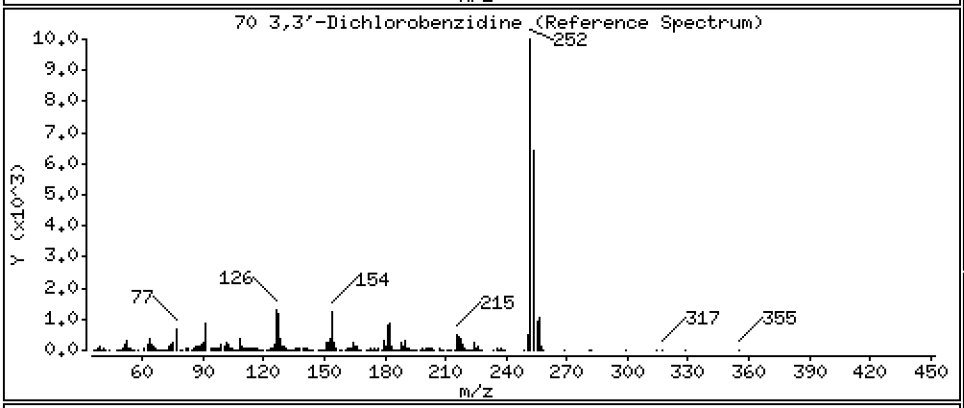
Concentration: 7.238 ug/mL

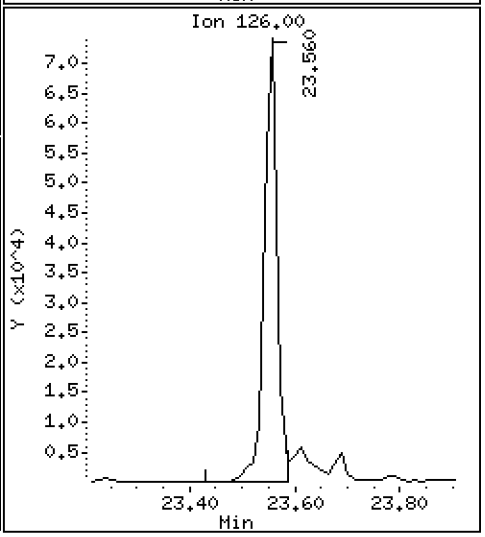


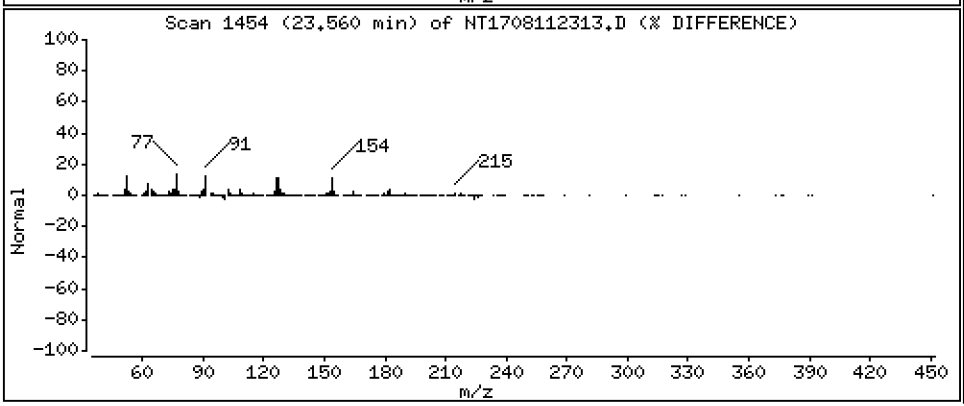












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

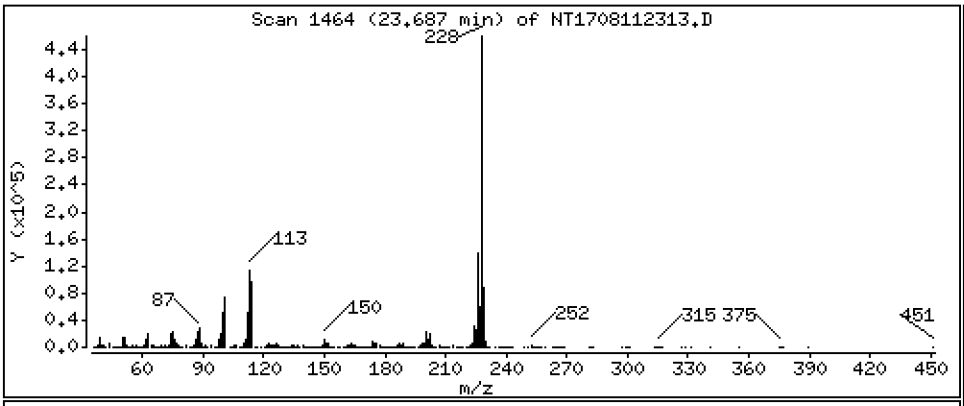
Operator: JGR

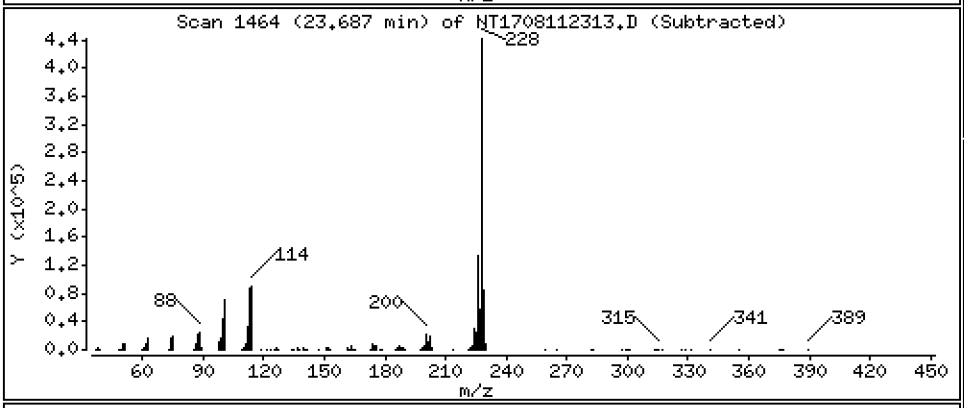
Column phase: ZB-5msi

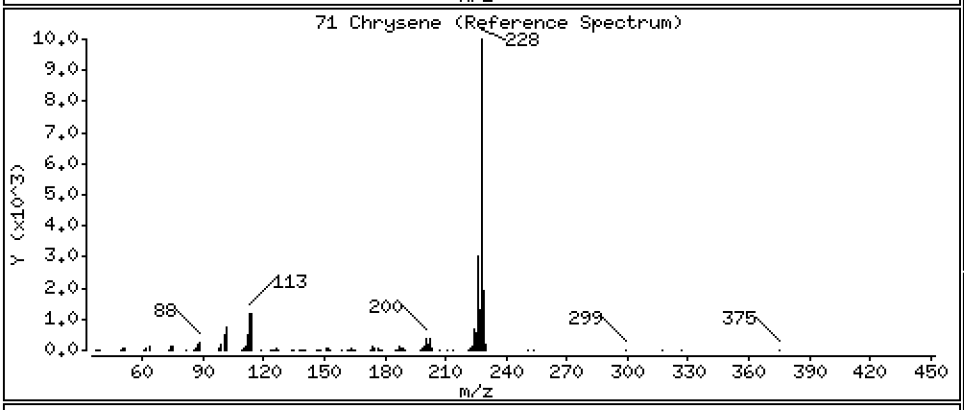
Column diameter: 0.25

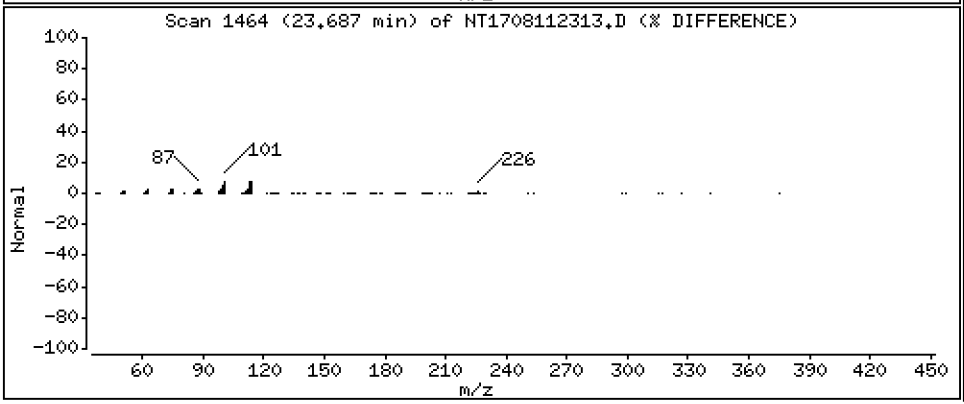
71 Chrysene

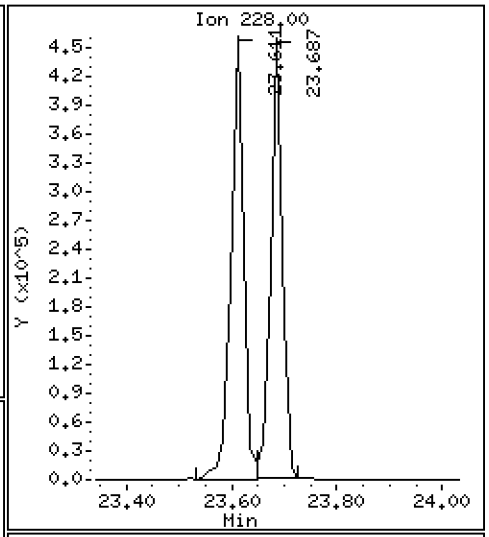
Concentration: 4.081 ug/mL

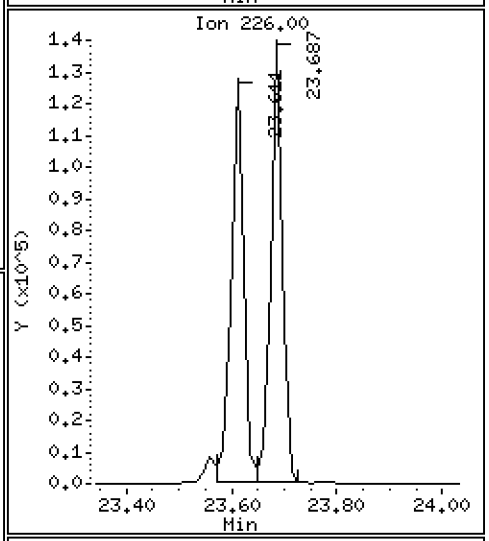


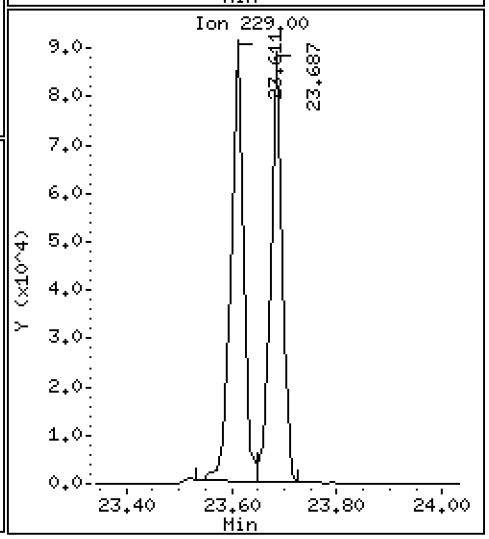












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

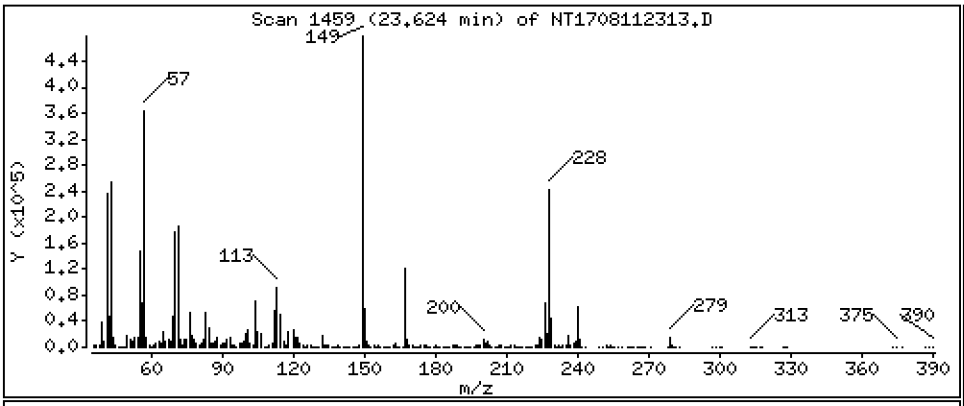
Operator: JGR

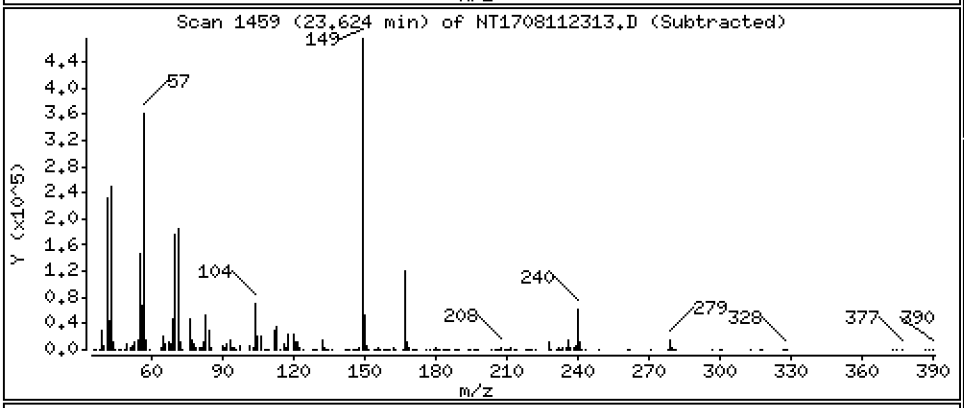
Column phase: ZB-5msi

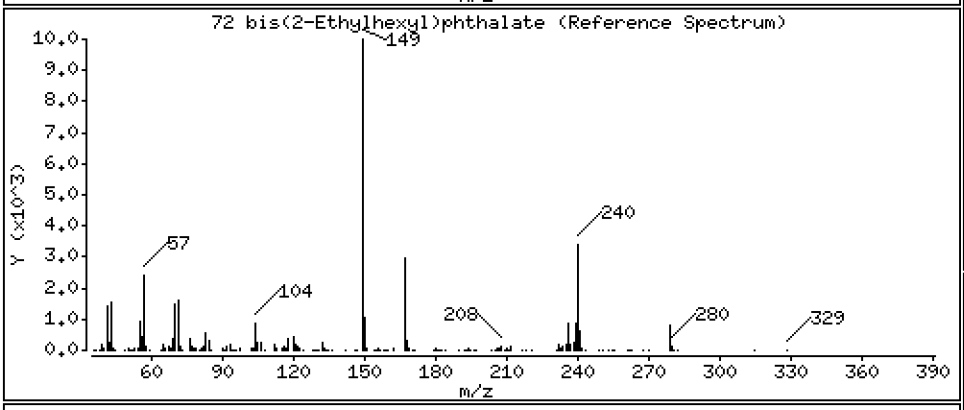
Column diameter: 0.25

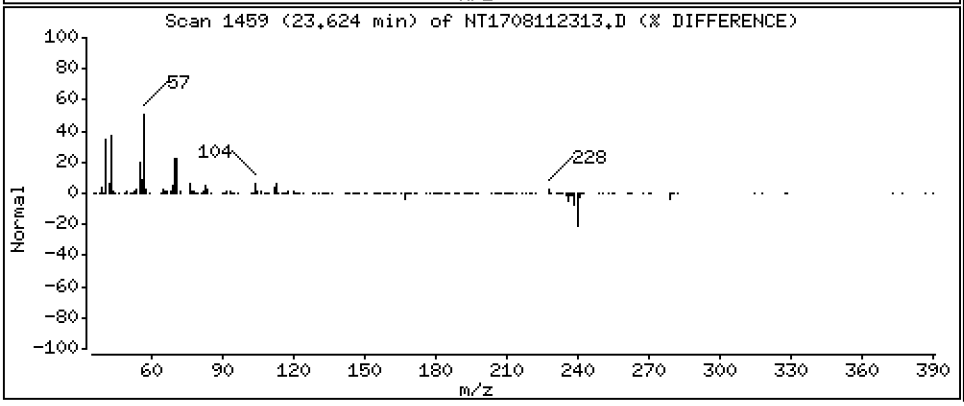
72 bis(2-Ethylhexyl)phthalate

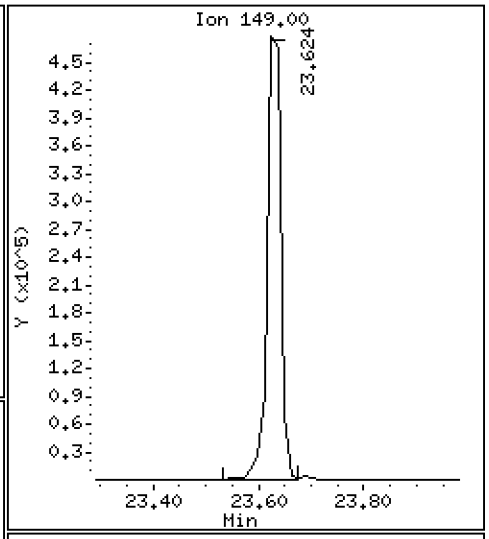
Concentration: 3.879 ug/mL

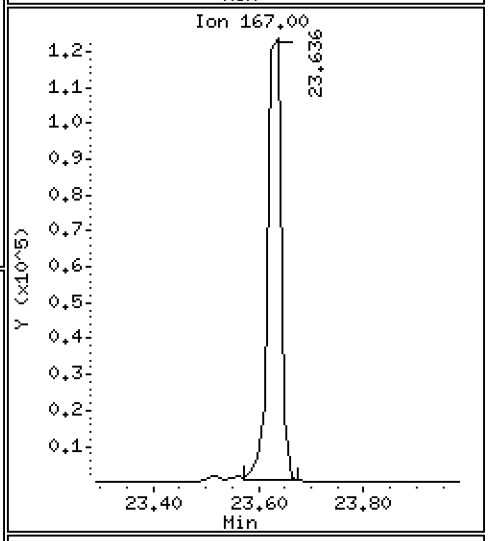


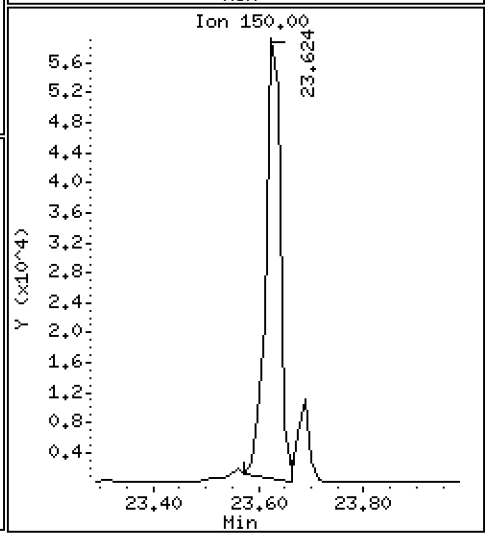












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

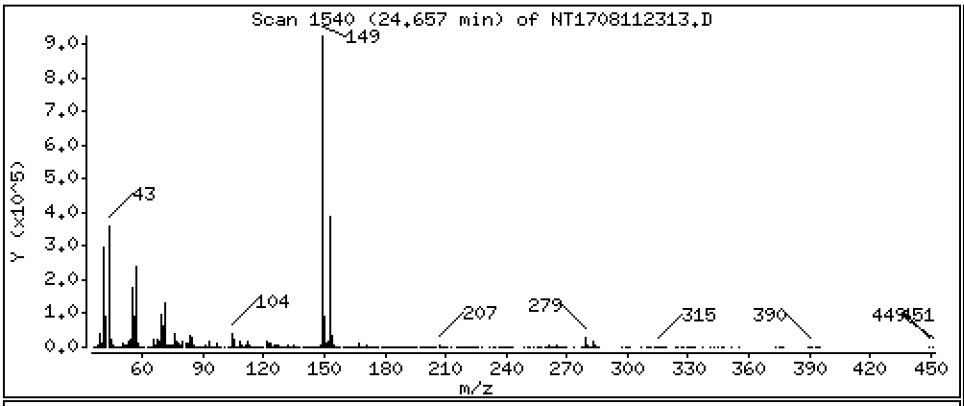
Operator: JGR

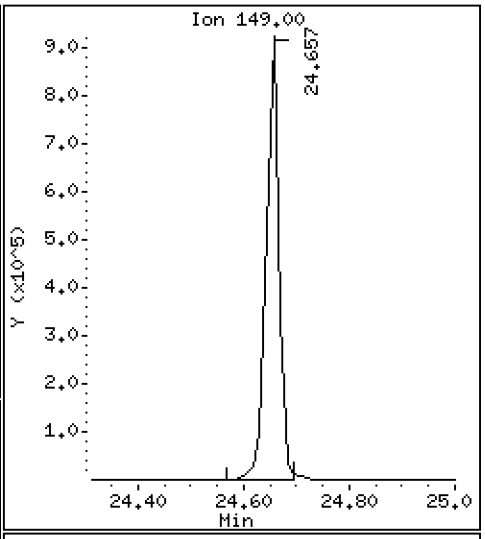
Column phase: ZB-5msi

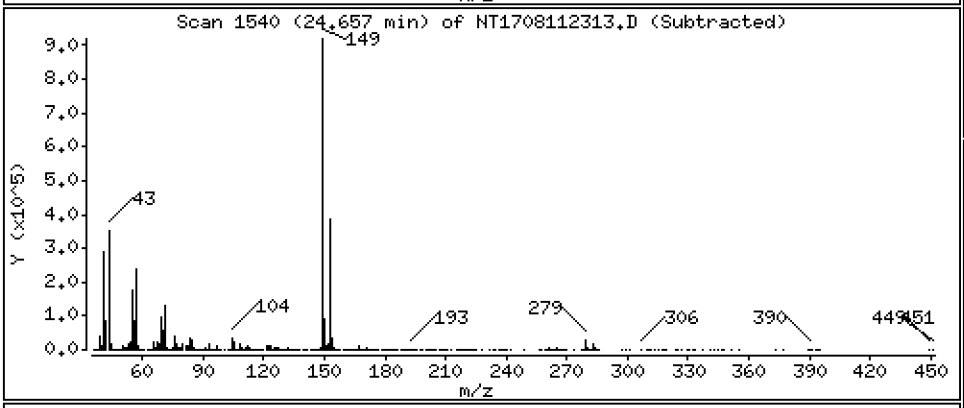
Column diameter: 0.25

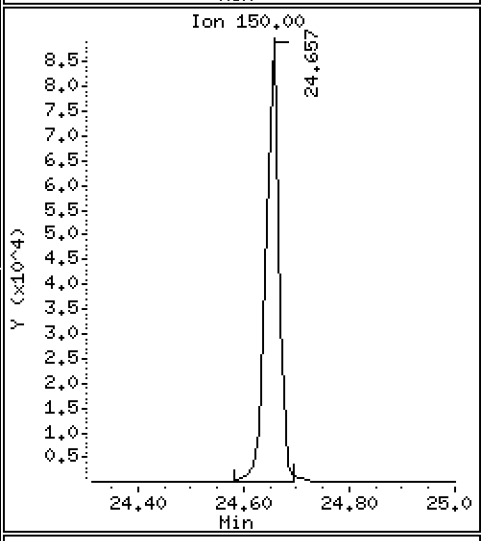
73 Di-n-octylphthalate

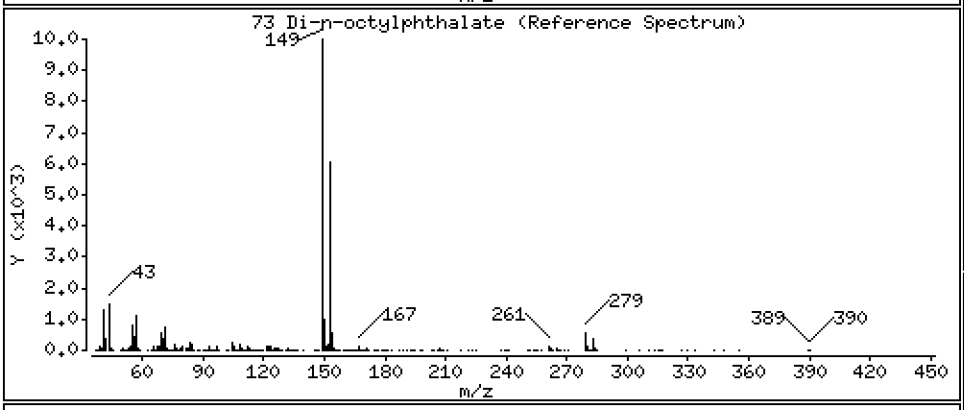
Concentration: 4.048 ug/mL

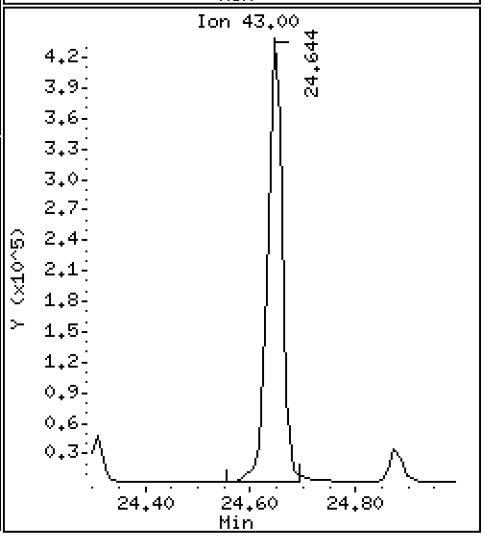


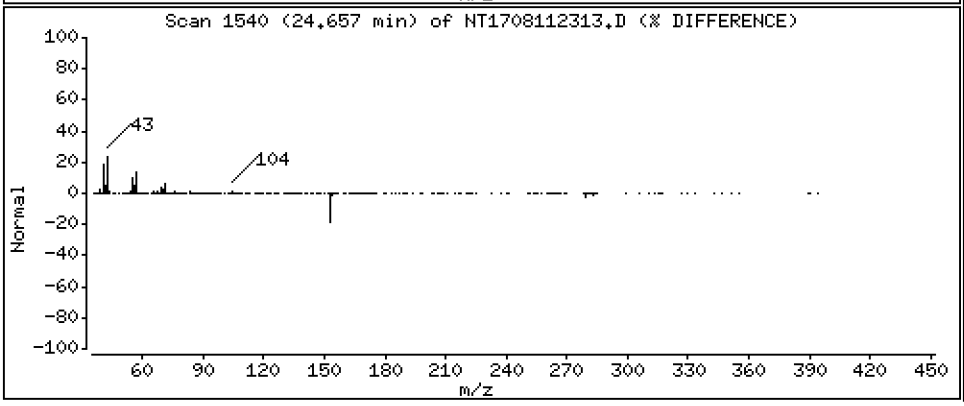












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

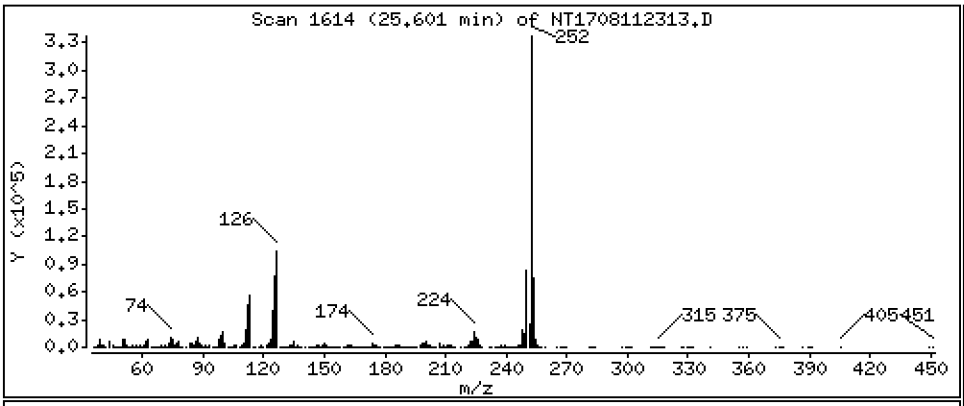
Operator: JGR

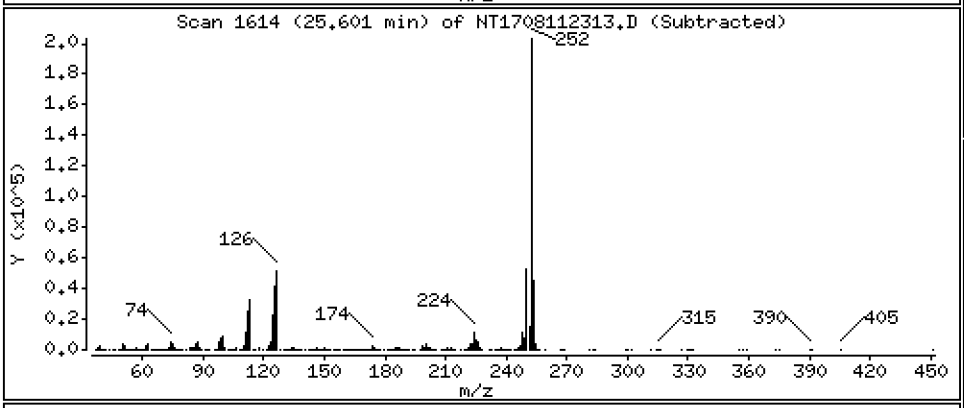
Column phase: ZB-5msi

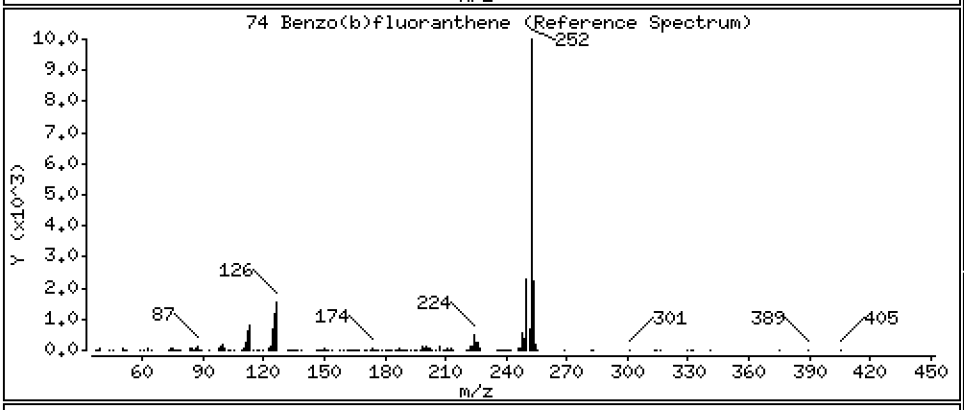
Column diameter: 0.25

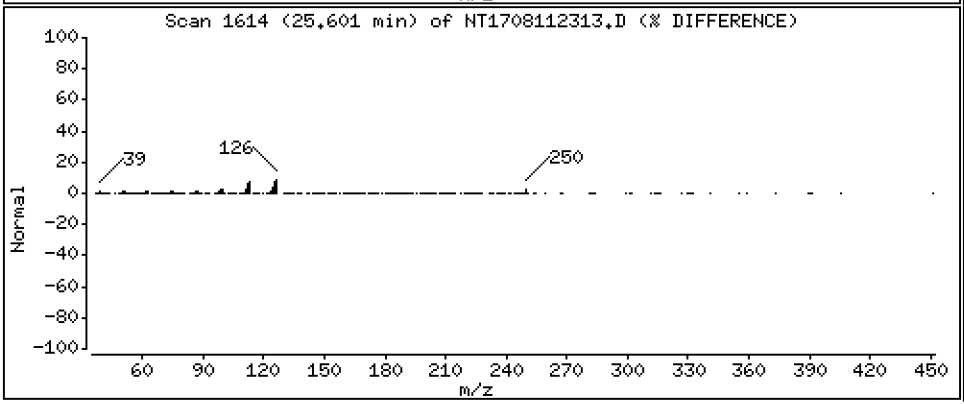
74 Benzo(b)fluoranthene

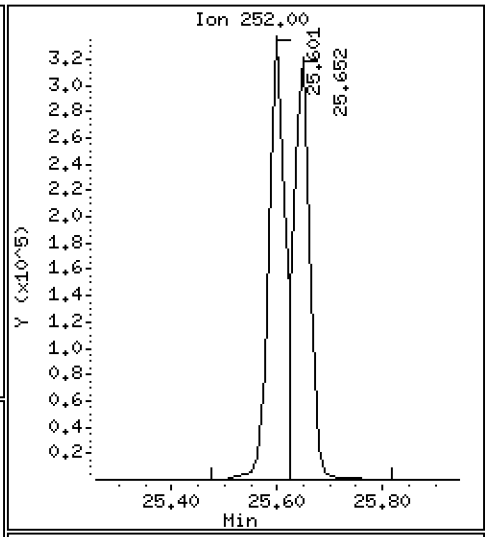
Concentration: 3.628 ug/mL

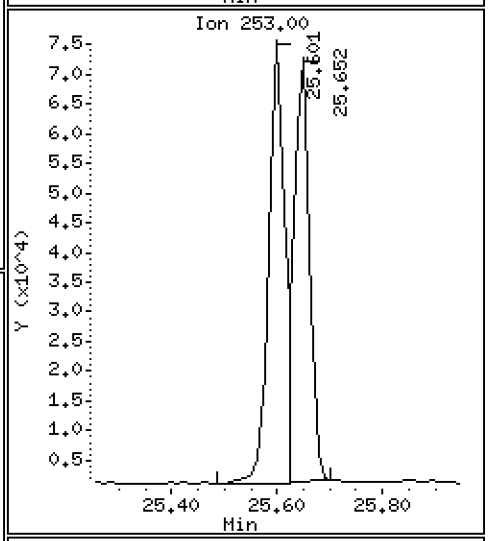


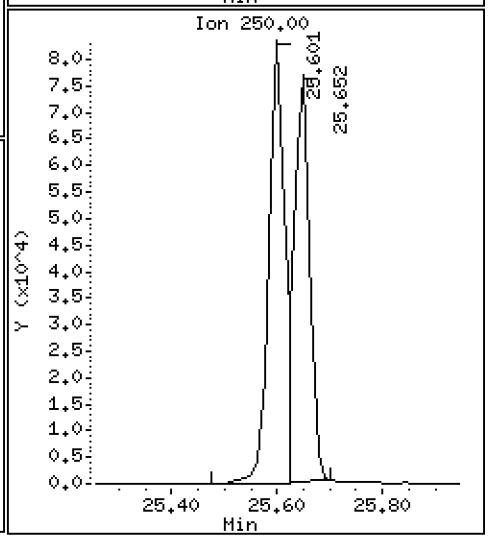












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

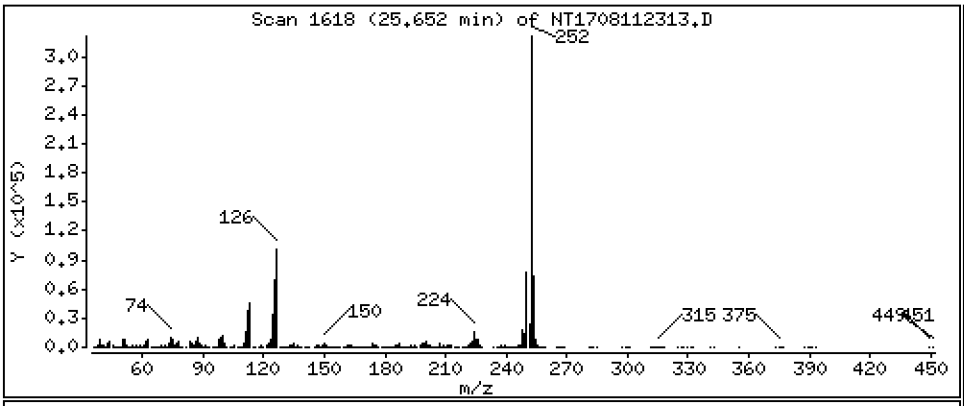
Operator: JGR

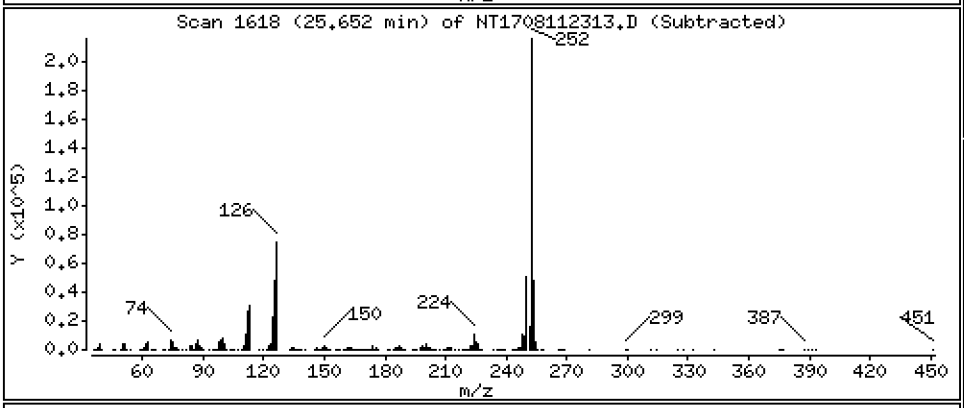
Column phase: ZB-5msi

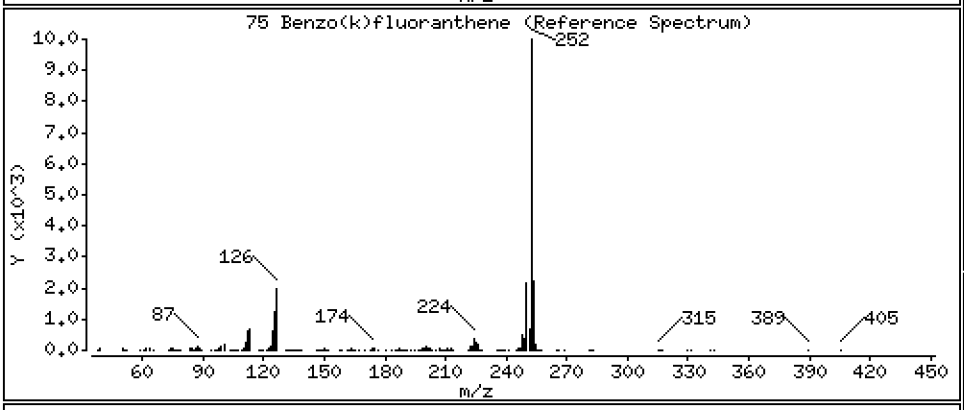
Column diameter: 0.25

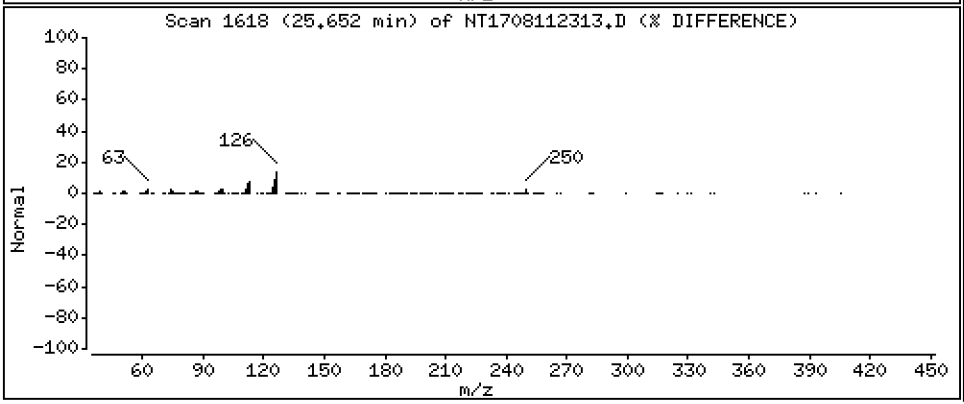
75 Benzo(k)fluoranthene

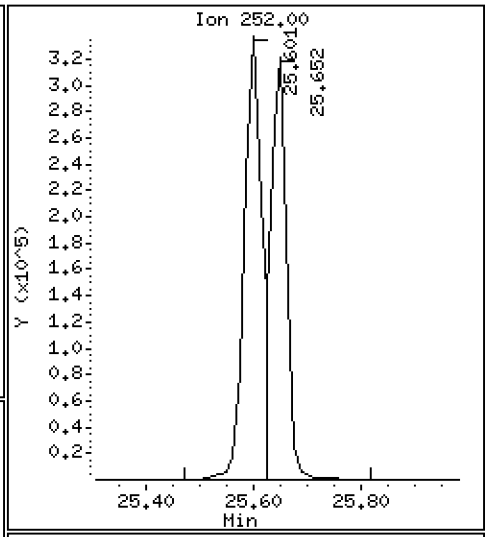
Concentration: 3.757 ug/mL

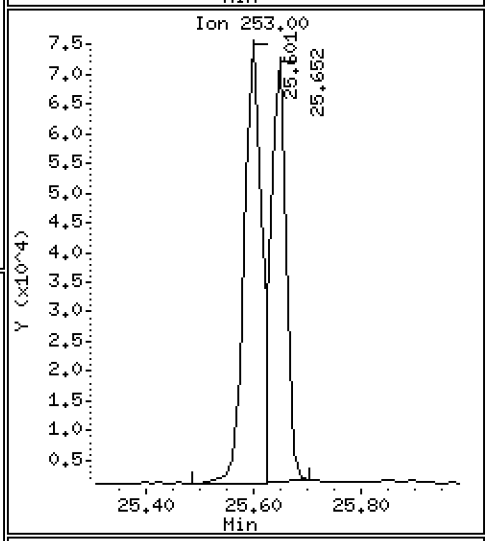


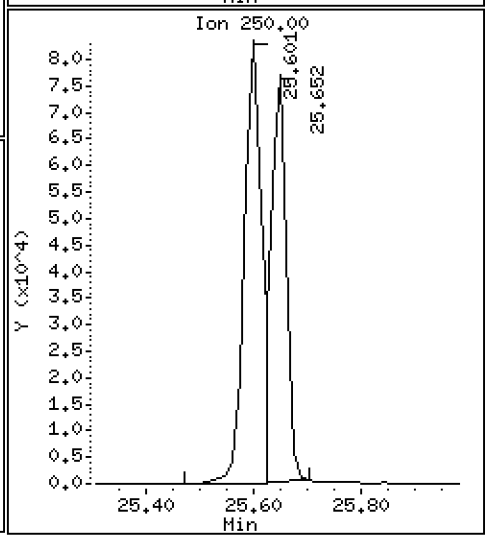












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

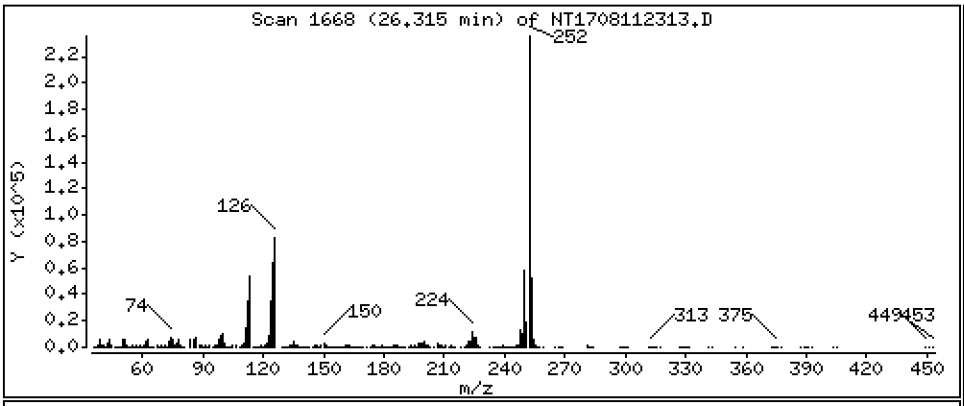
Operator: JGR

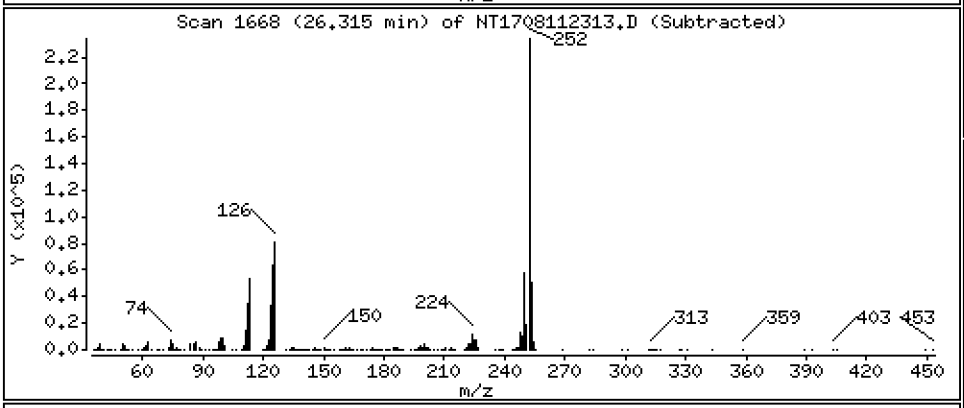
Column phase: ZB-5msi

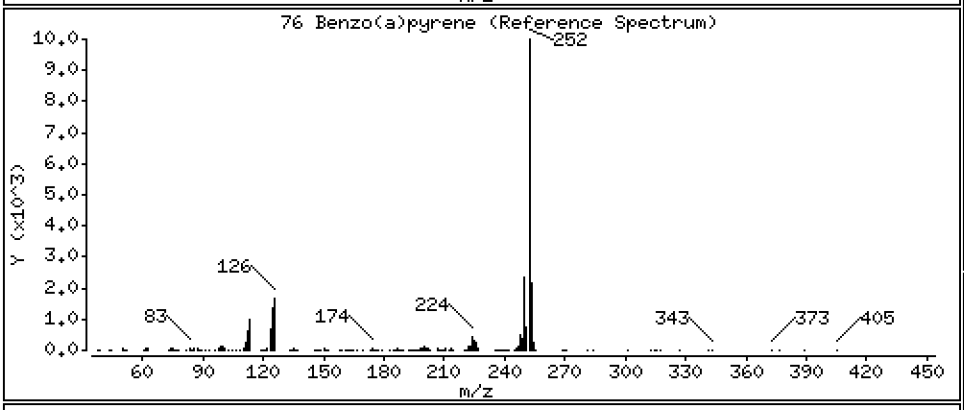
Column diameter: 0.25

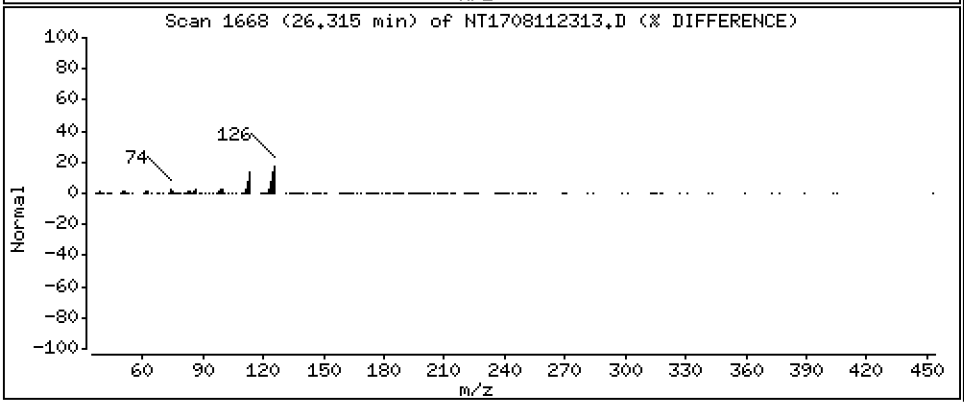
76 Benzo(a)pyrene

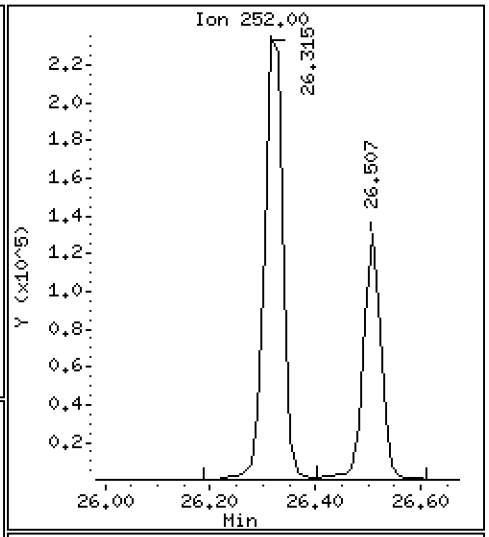
Concentration: 3.543 ug/mL

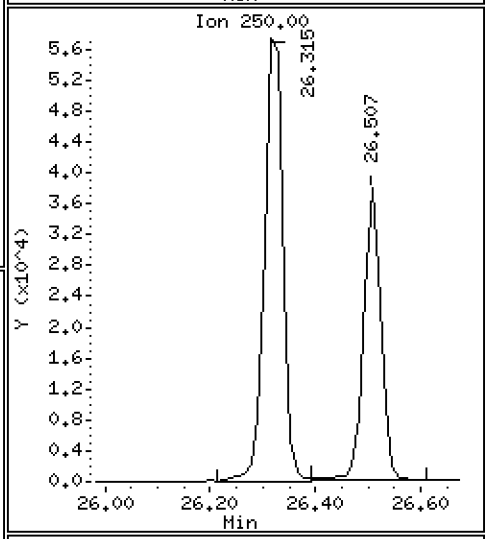


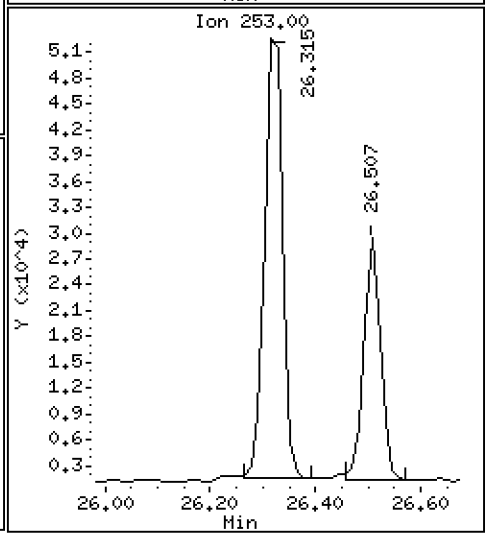












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

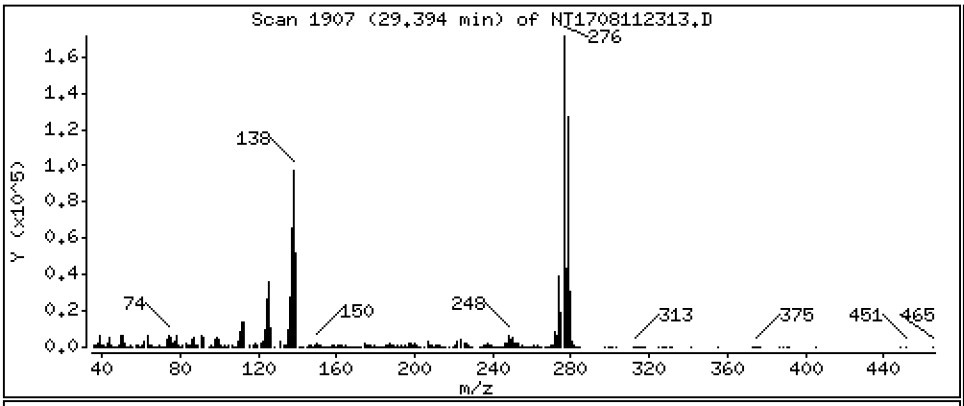
Operator: JGR

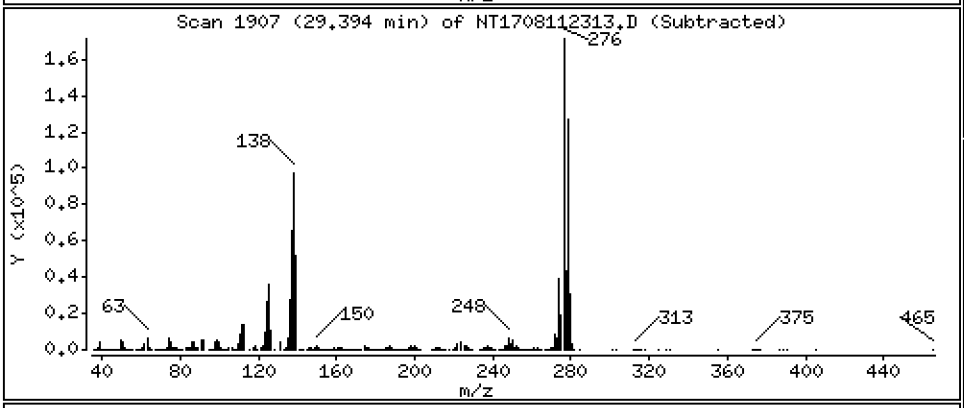
Column phase: ZB-5msi

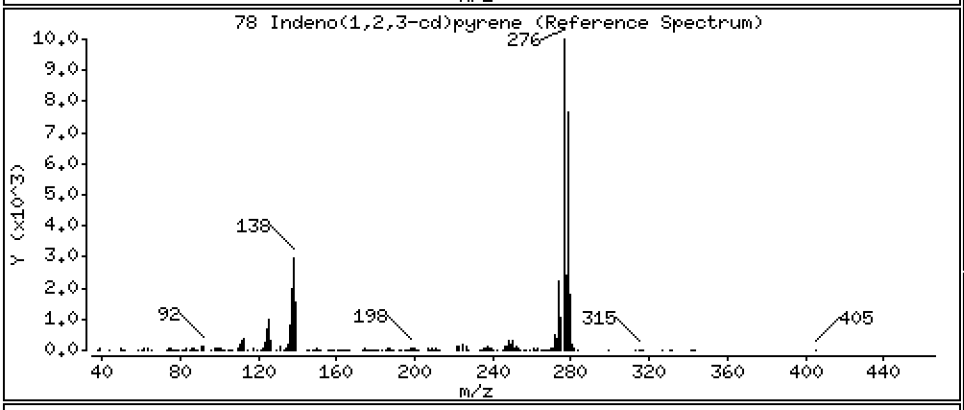
Column diameter: 0.25

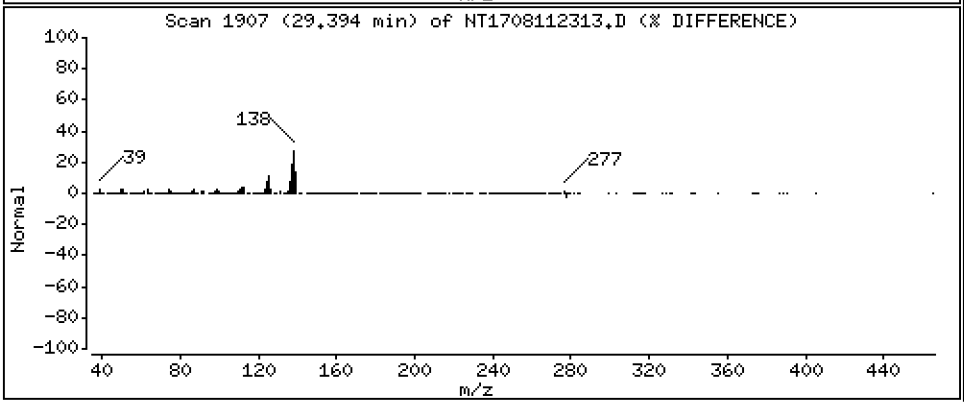
78 Indeno(1,2,3-cd)pyrene

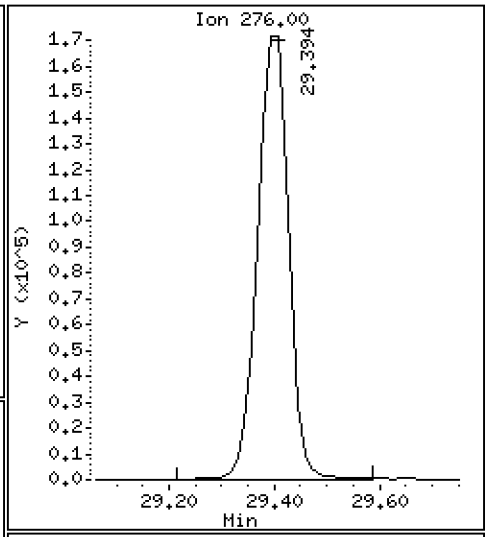
Concentration: 3.451 ug/mL

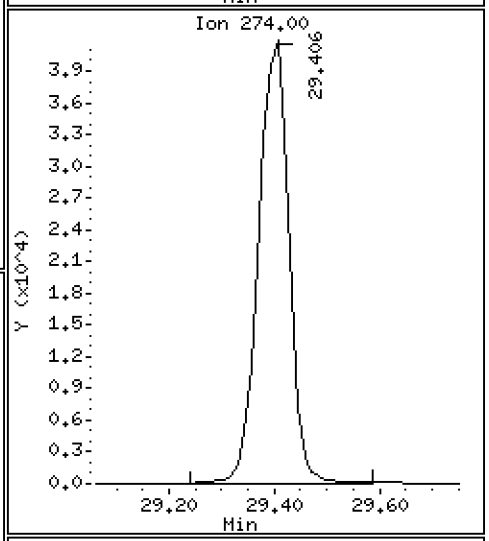


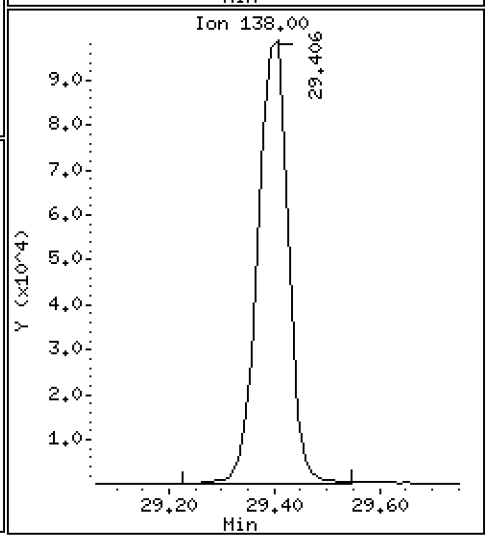












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

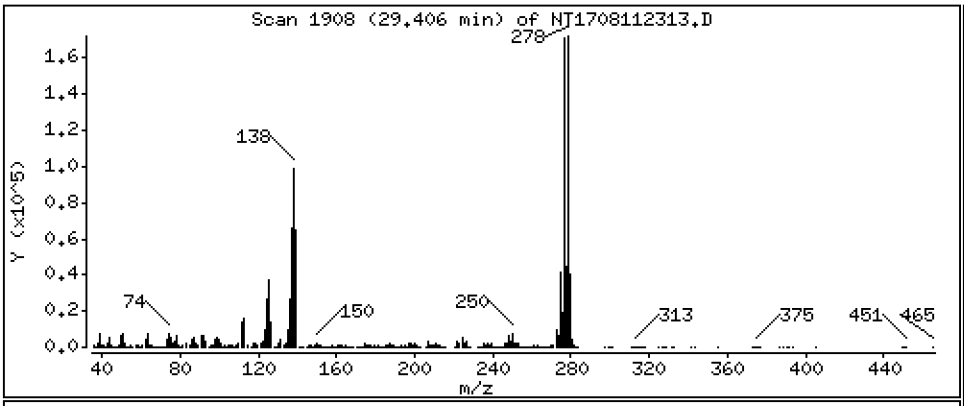
Operator: JGR

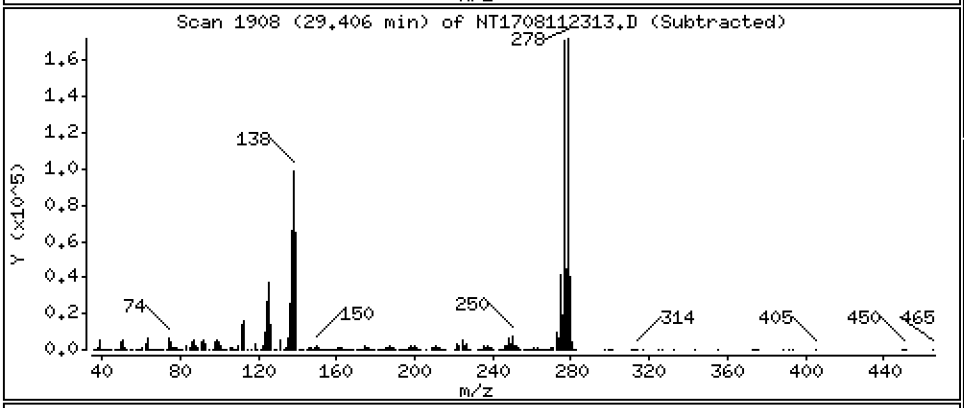
Column phase: ZB-5msi

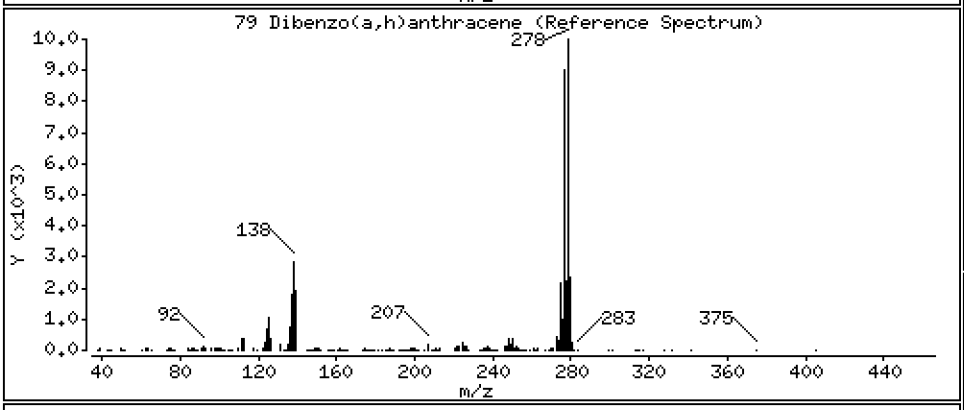
Column diameter: 0.25

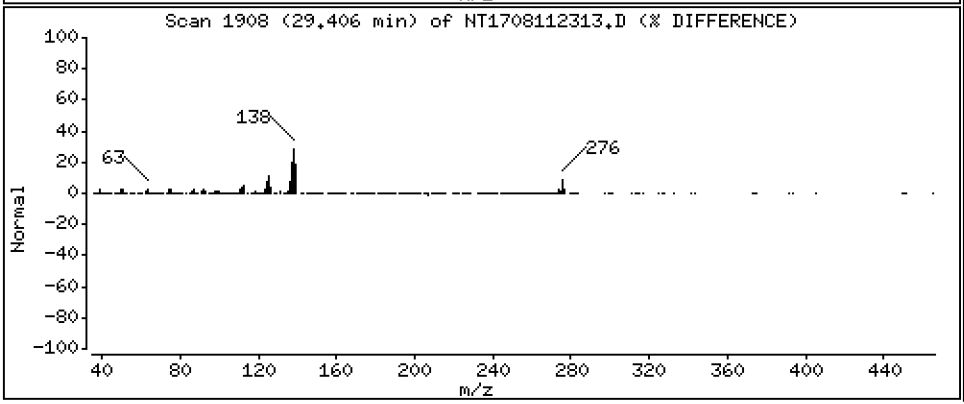
79 Dibenzo(a,h)anthracene

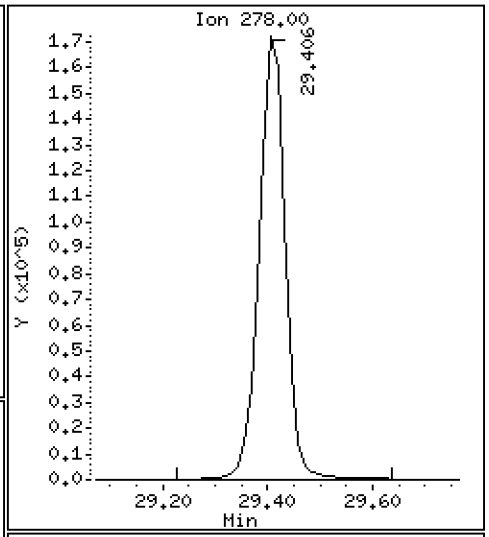
Concentration: 3.299 ug/mL

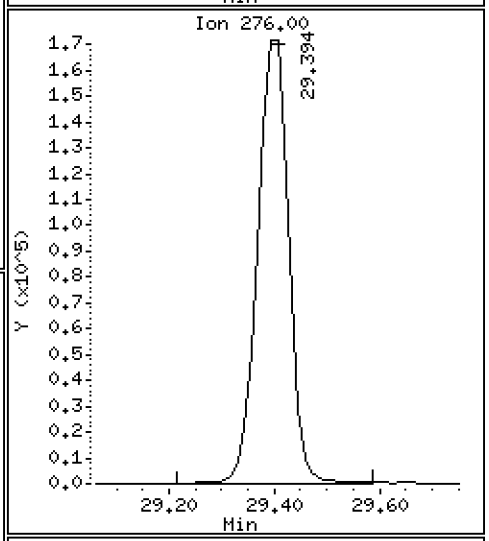


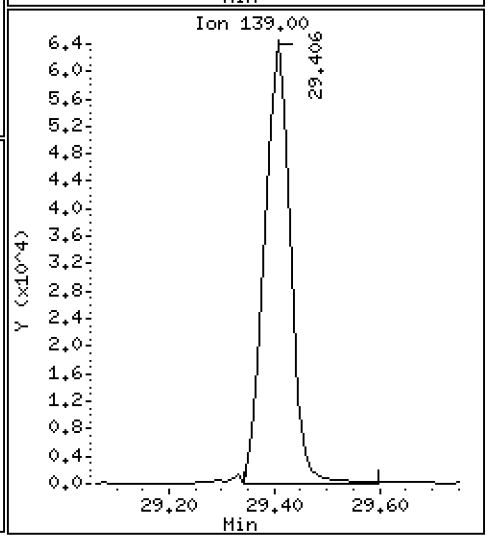












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

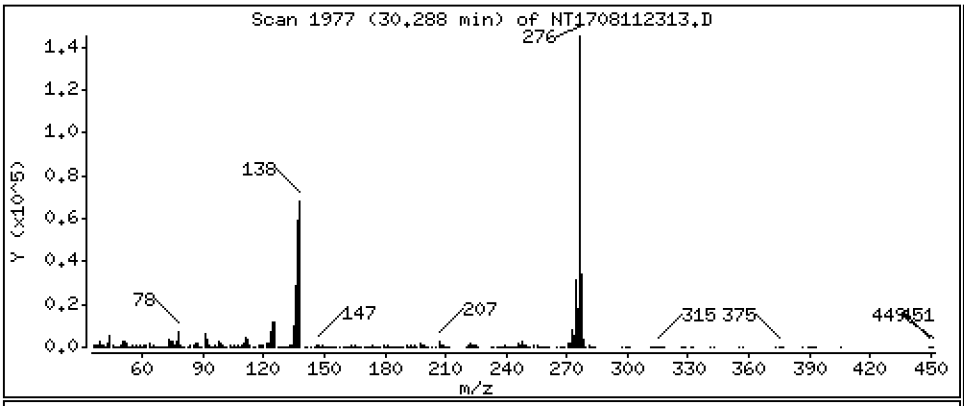
Operator: JGR

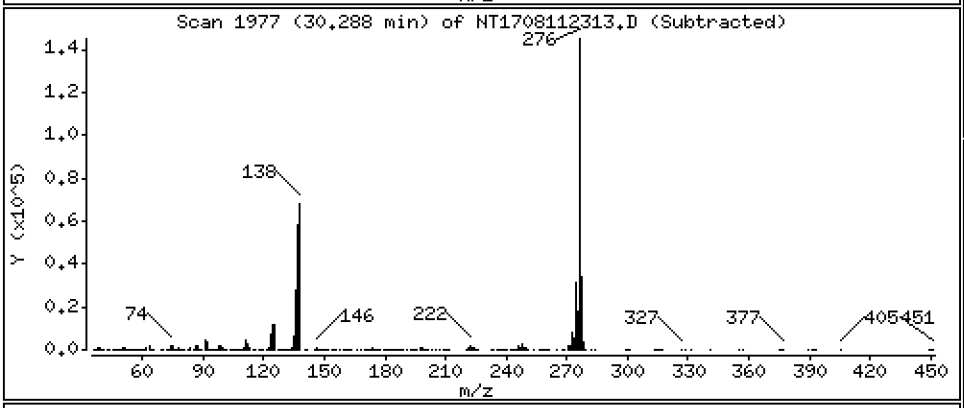
Column phase: ZB-5msi

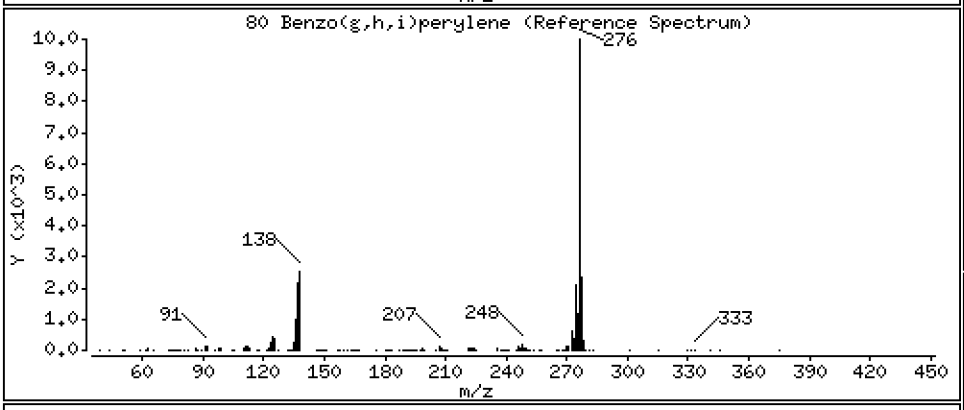
Column diameter: 0.25

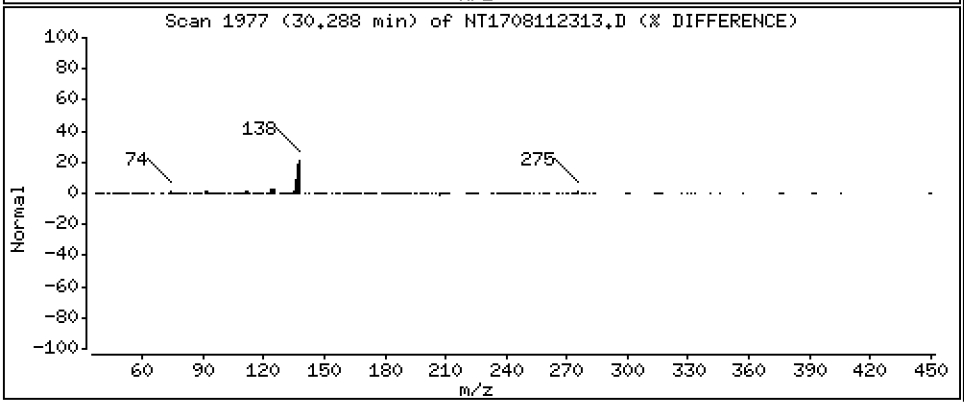
80 Benzo(g,h,i)perylene

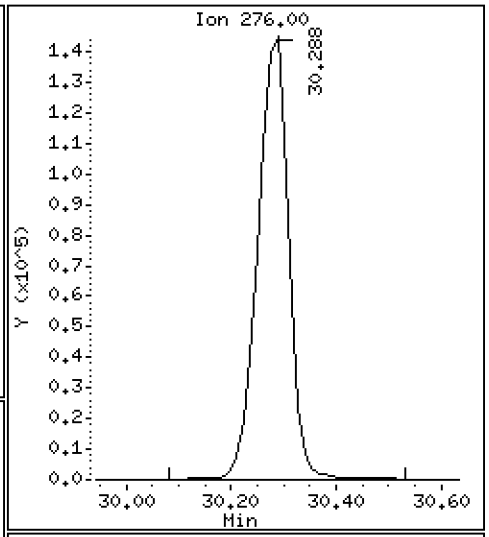
Concentration: 4.126 ug/mL

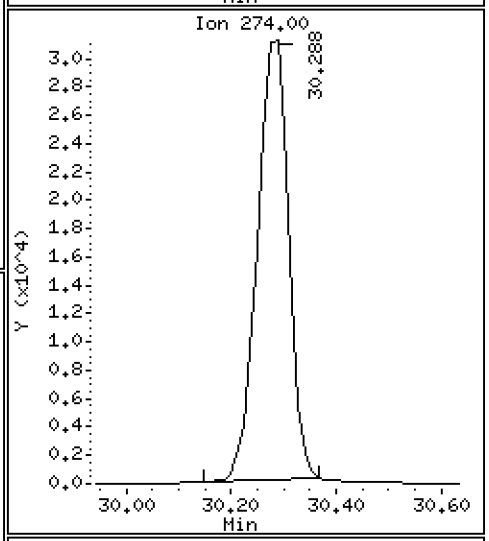


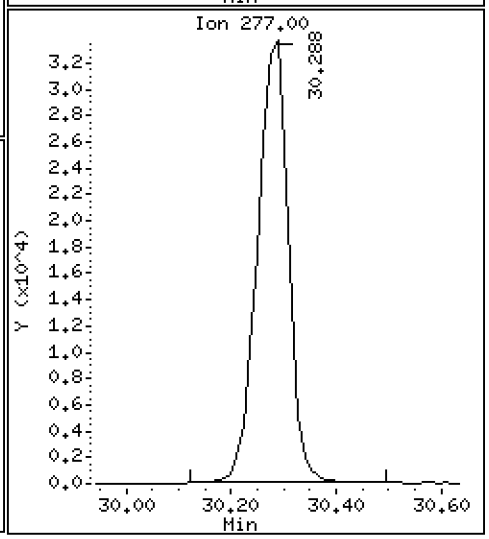












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

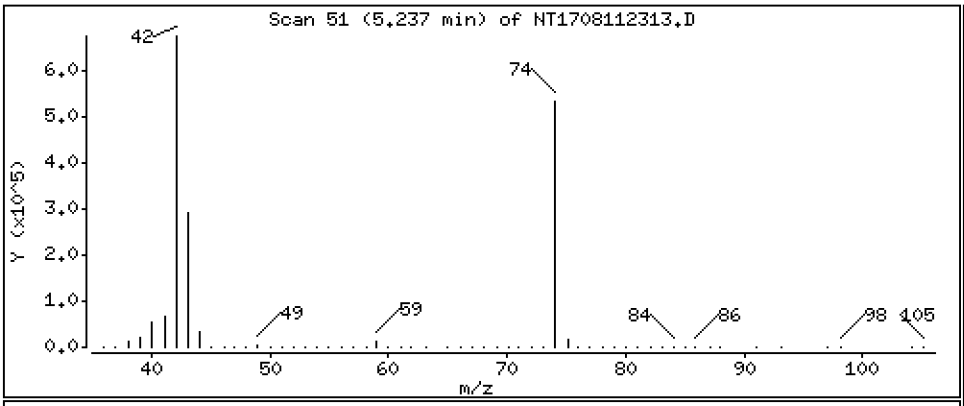
Operator: JGR

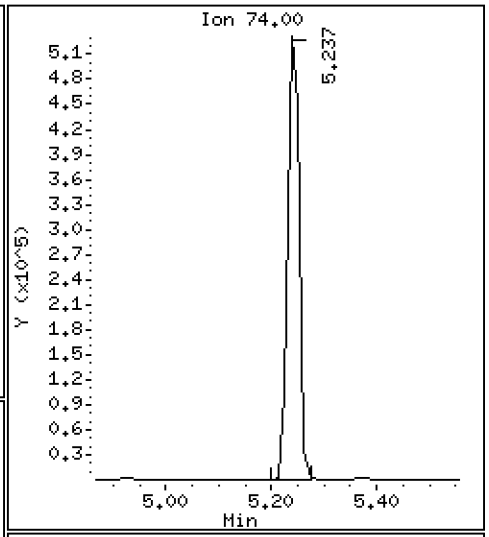
Column phase: ZB-5msi

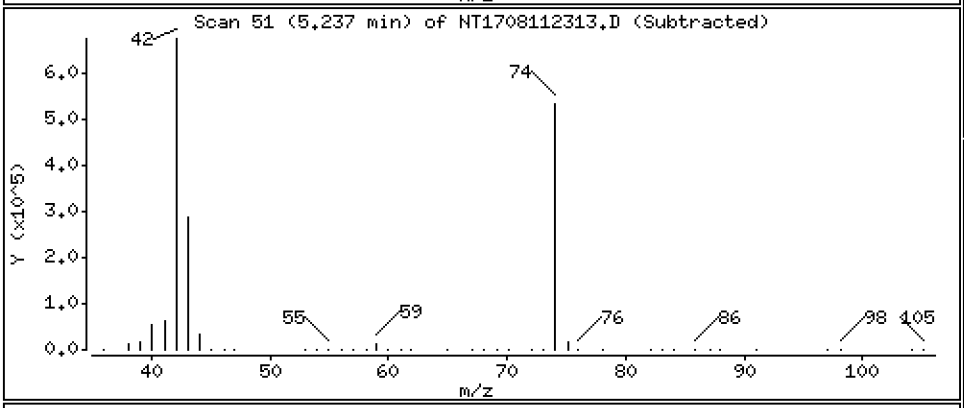
Column diameter: 0.25

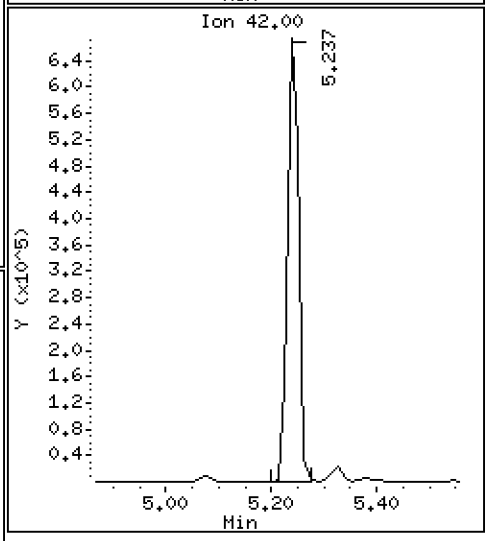
90 N-Nitrosodimethylamine

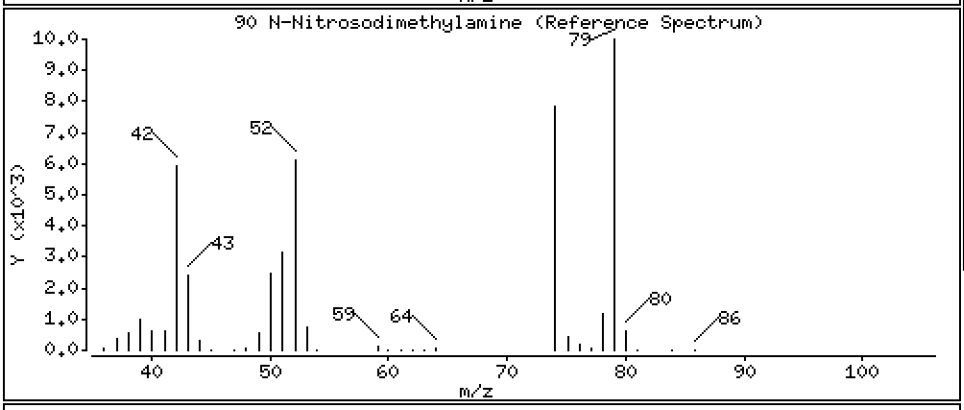
Concentration: 7.563 ug/mL

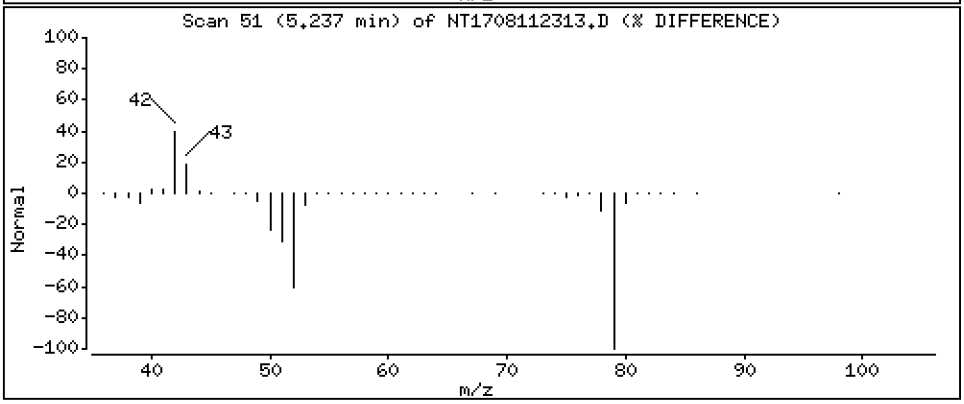












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

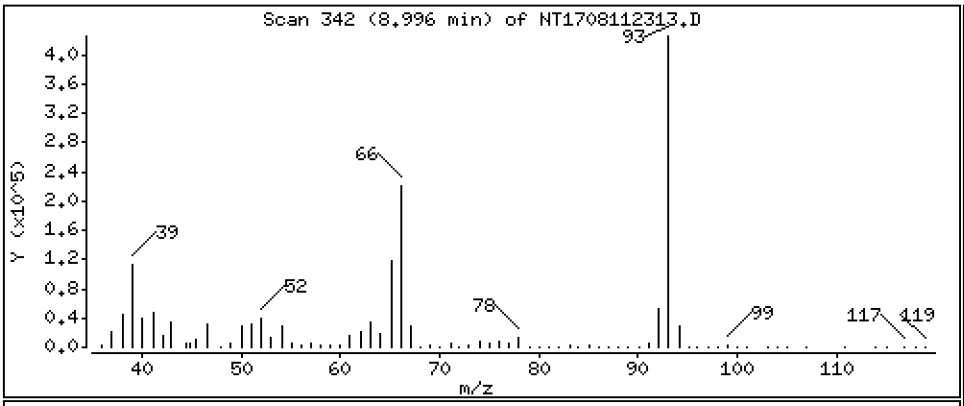
Operator: JGR

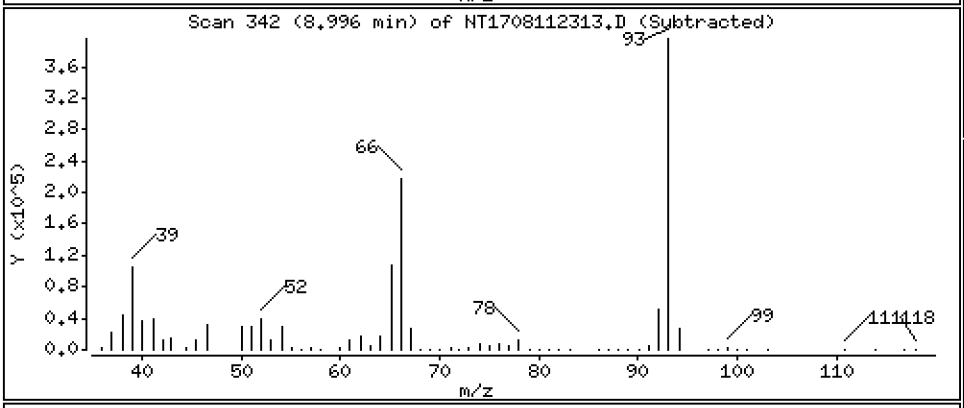
Column phase: ZB-5msi

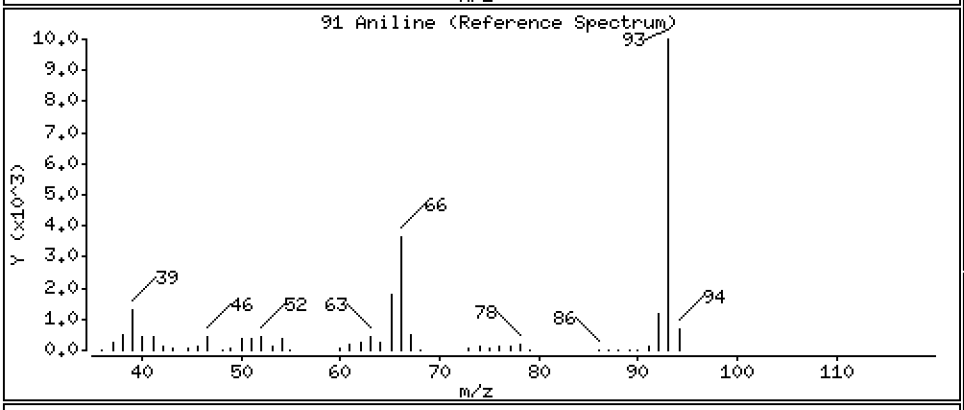
Column diameter: 0.25

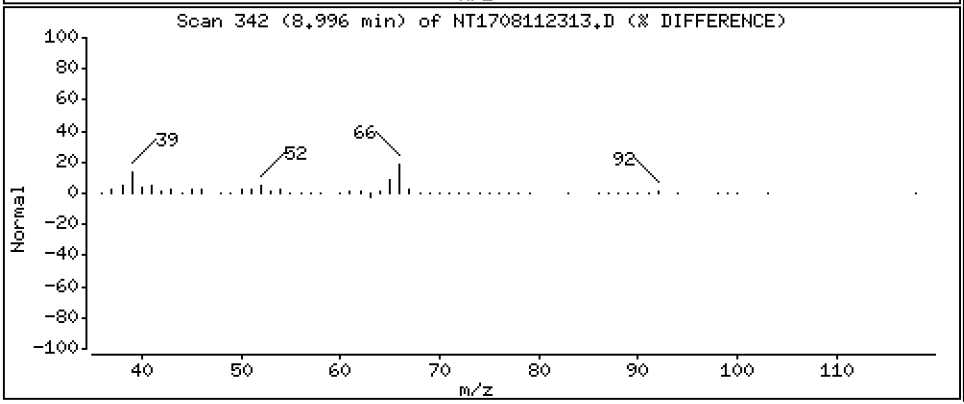
91 Aniline

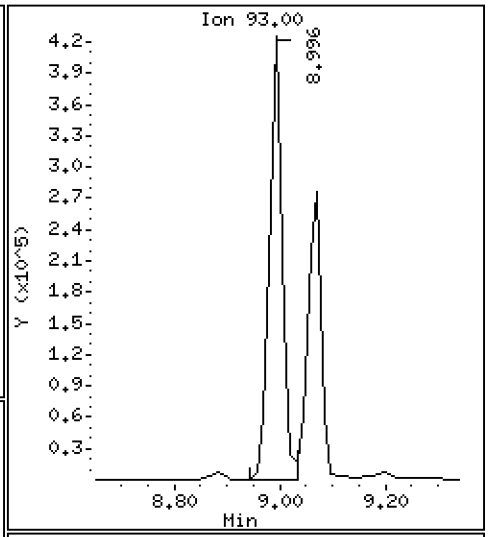
Concentration: 4.097 ug/mL

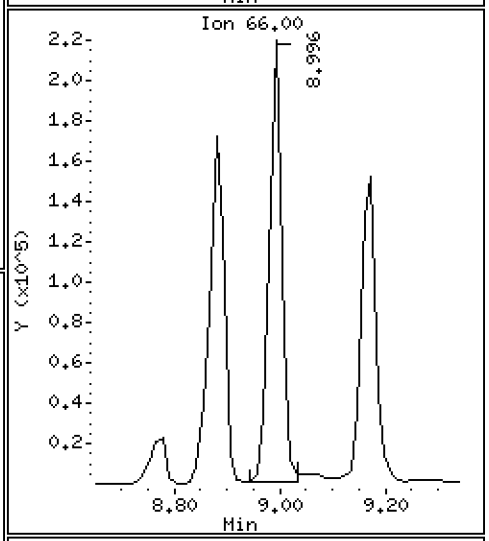


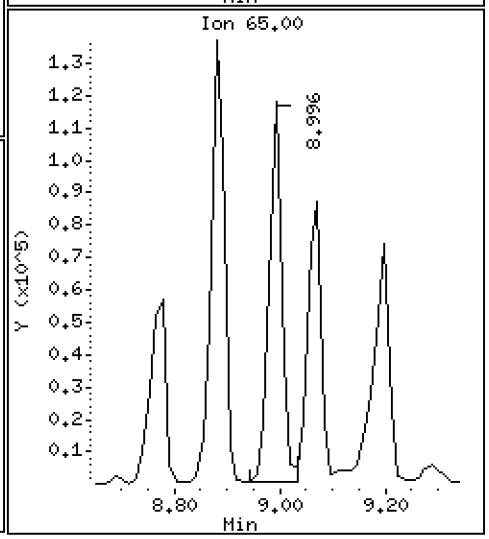












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

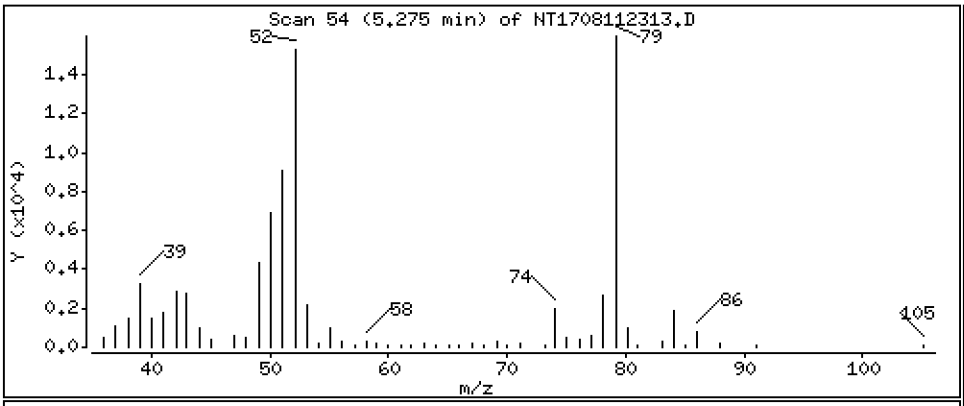
Operator: JGR

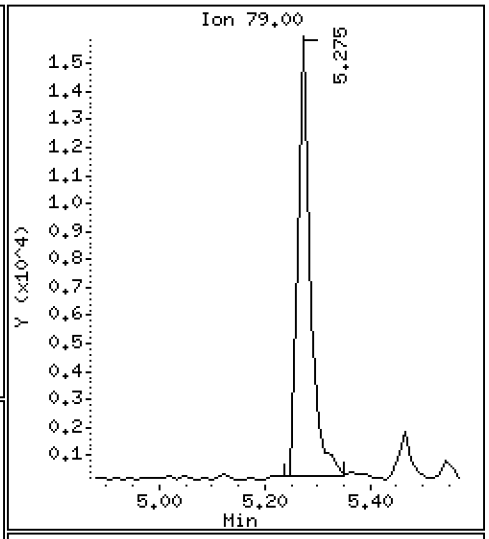
Column phase: ZB-5msi

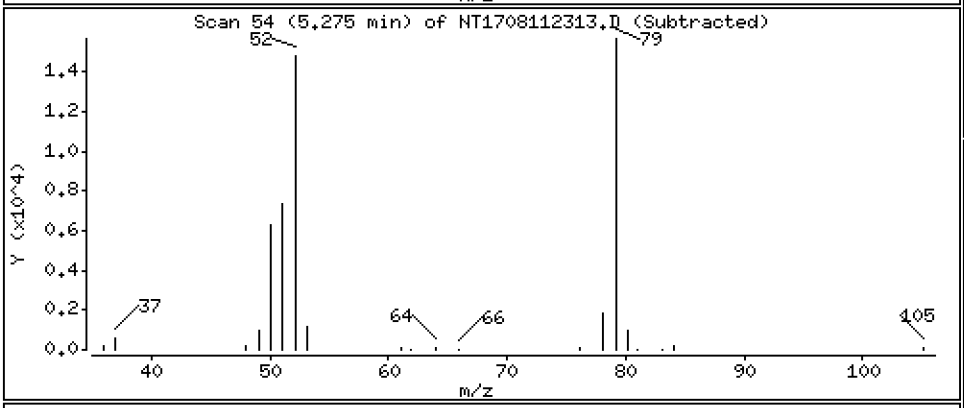
Column diameter: 0.25

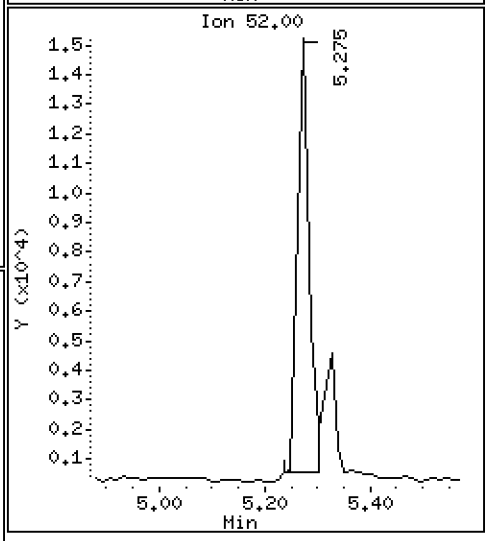
103 Pyridine

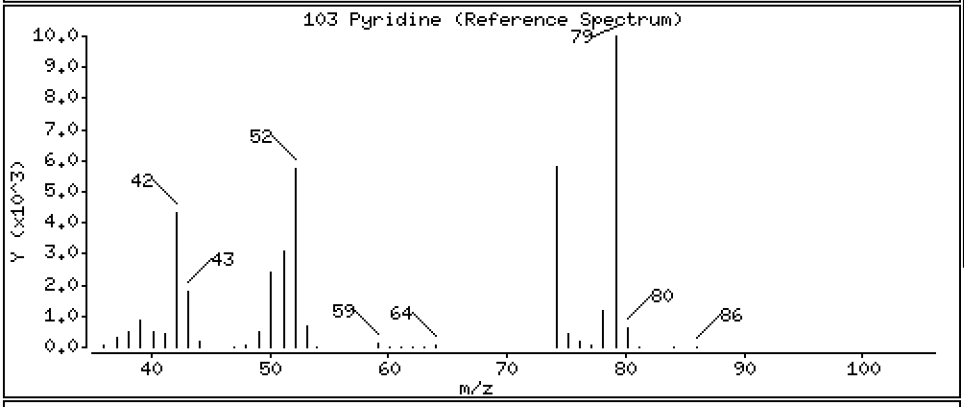
Concentration: 0.1554 ug/mL

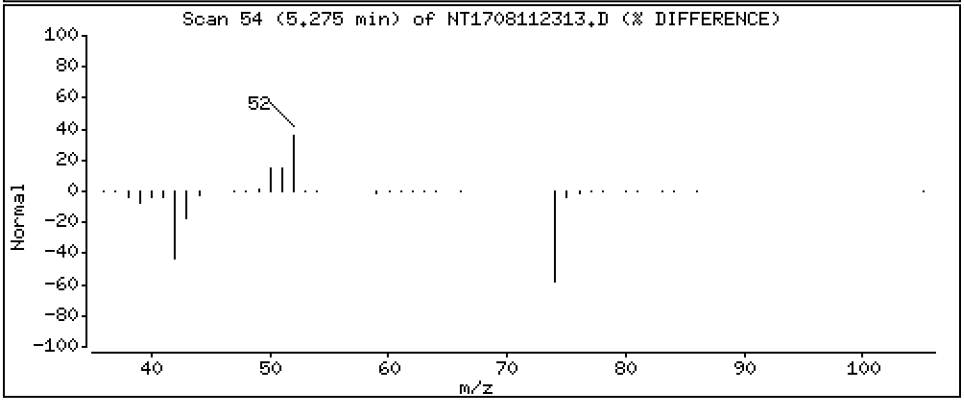












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

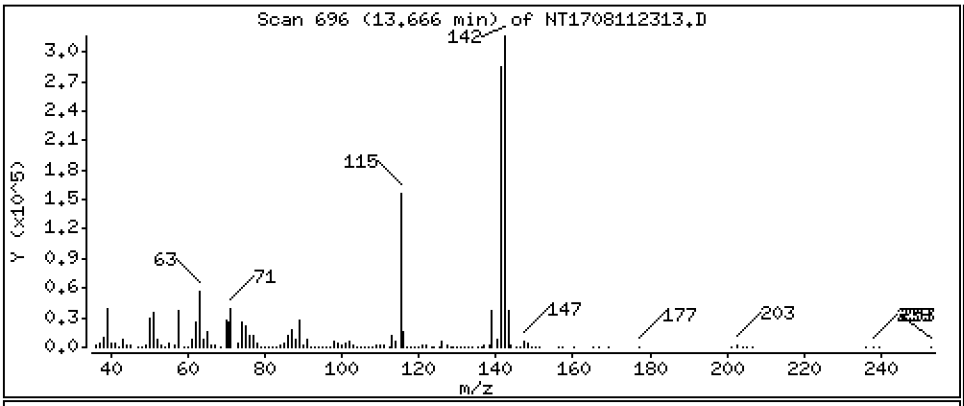
Operator: JGR

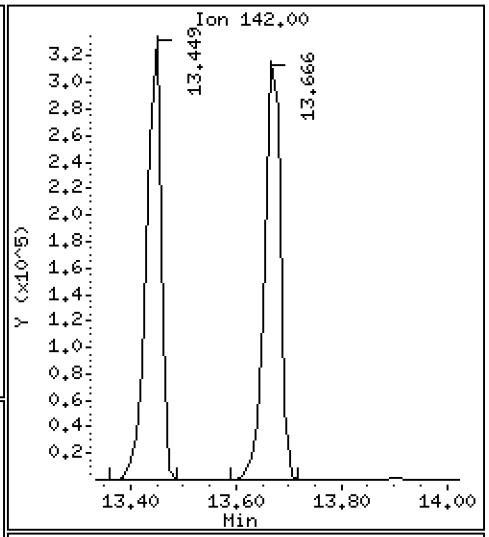
Column phase: ZB-5msi

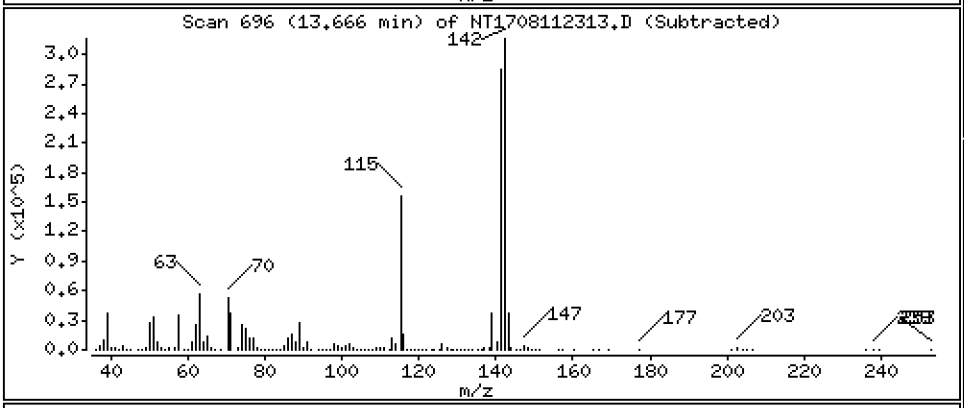
Column diameter: 0.25

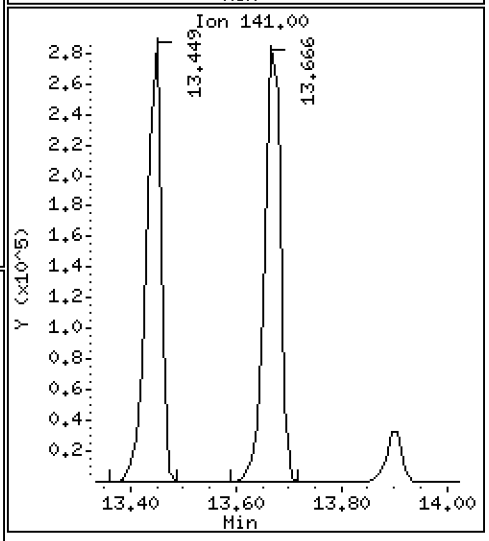
105 1-methylnaphthalene

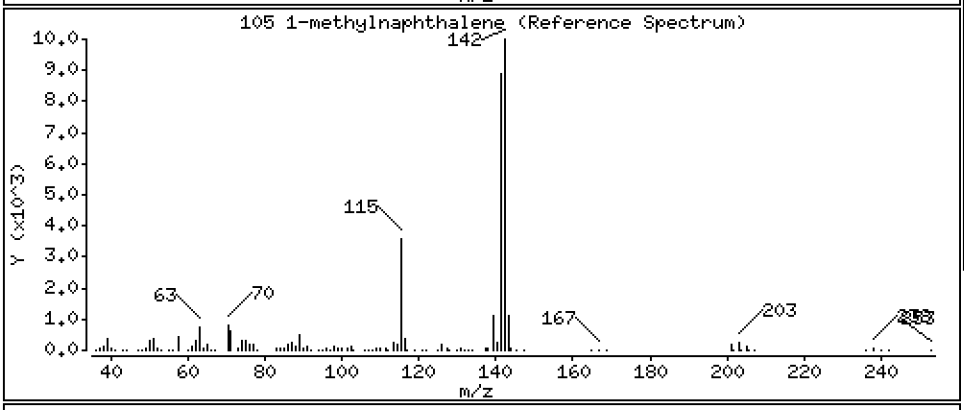
Concentration: 3.606 ug/mL

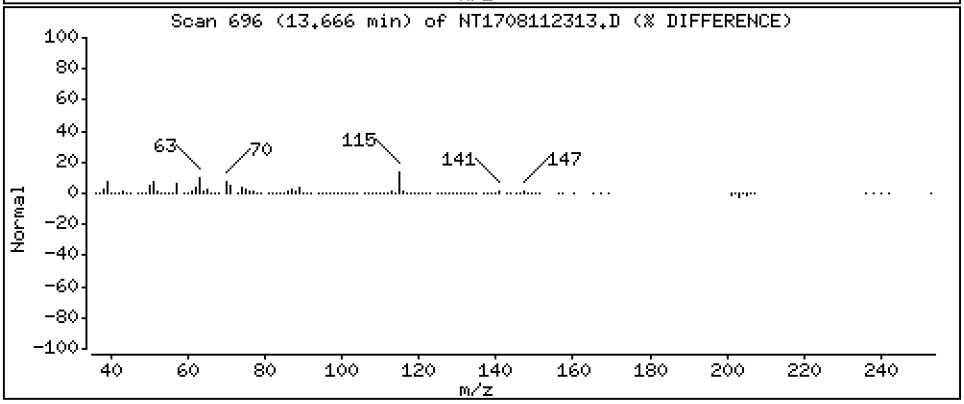












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

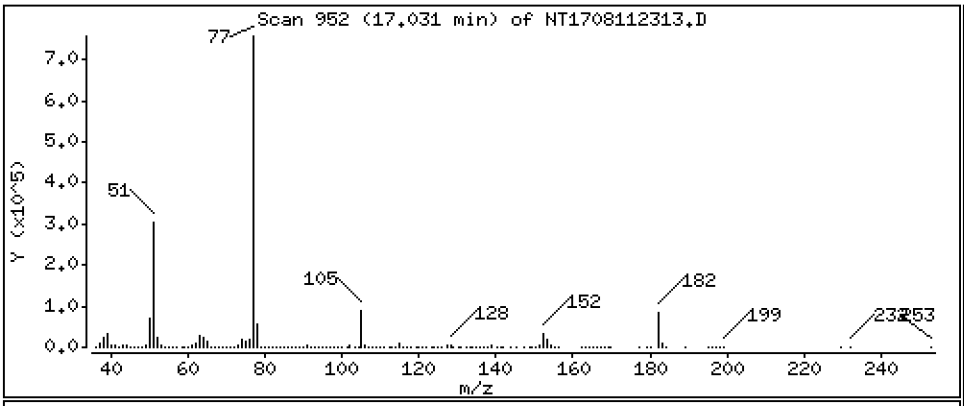
Operator: JGR

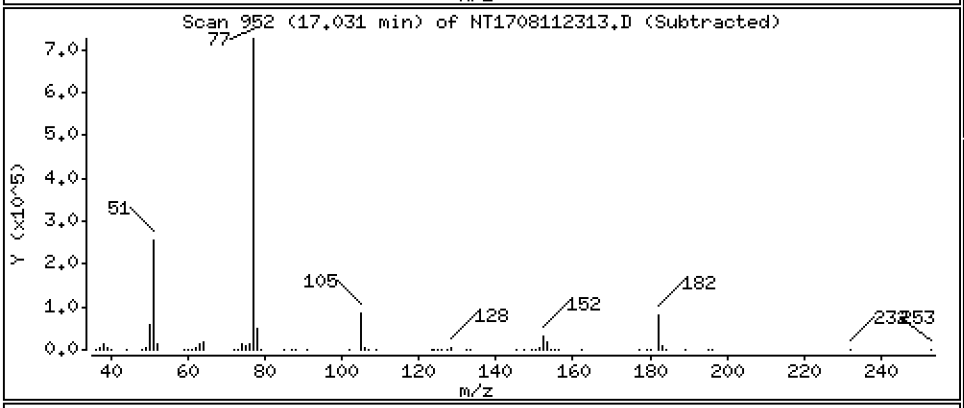
Column phase: ZB-5msi

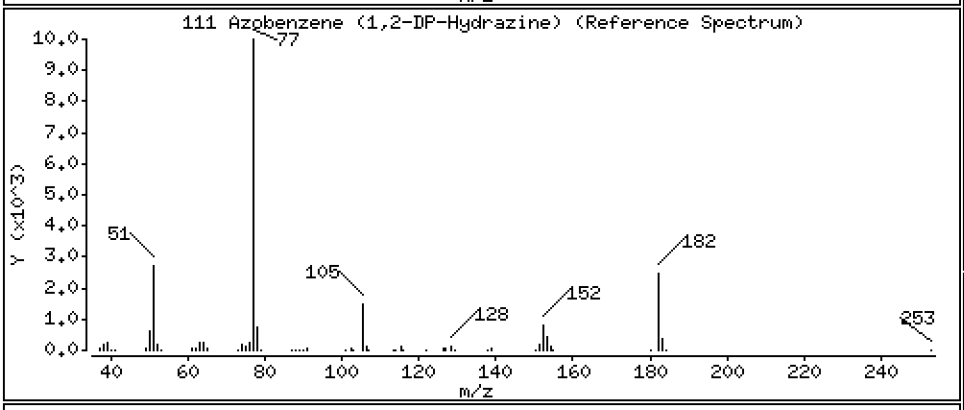
Column diameter: 0.25

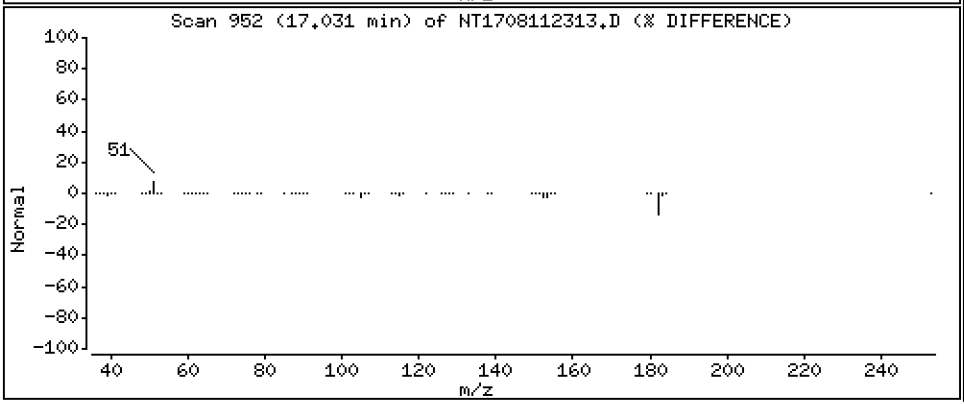
111 Azobenzene (1,2-DP-Hydrazine)

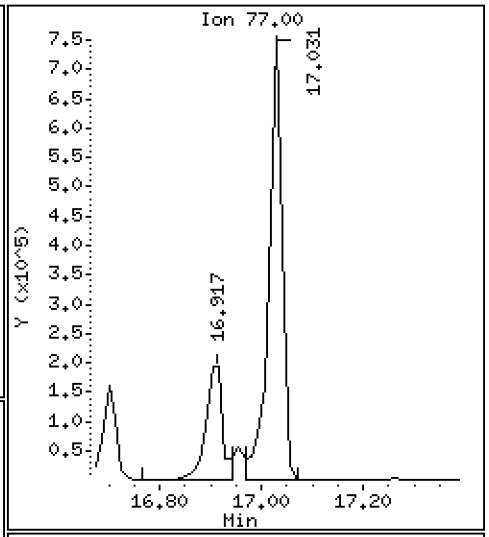
Concentration: 3.884 ug/mL

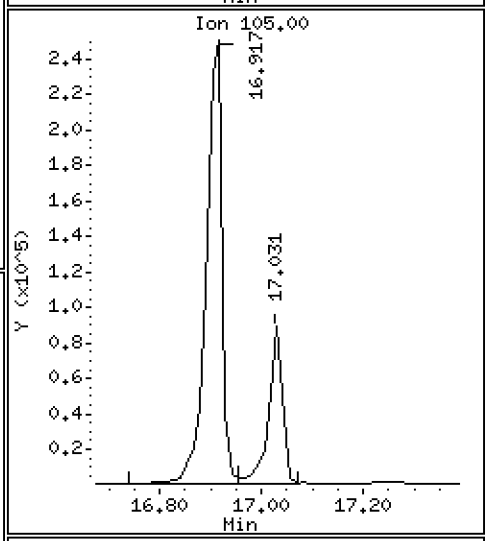


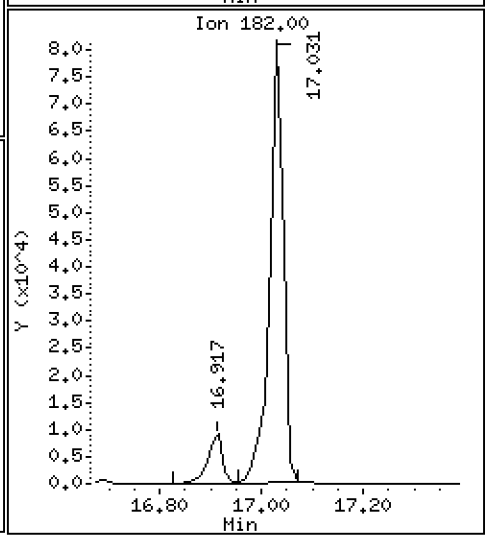












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

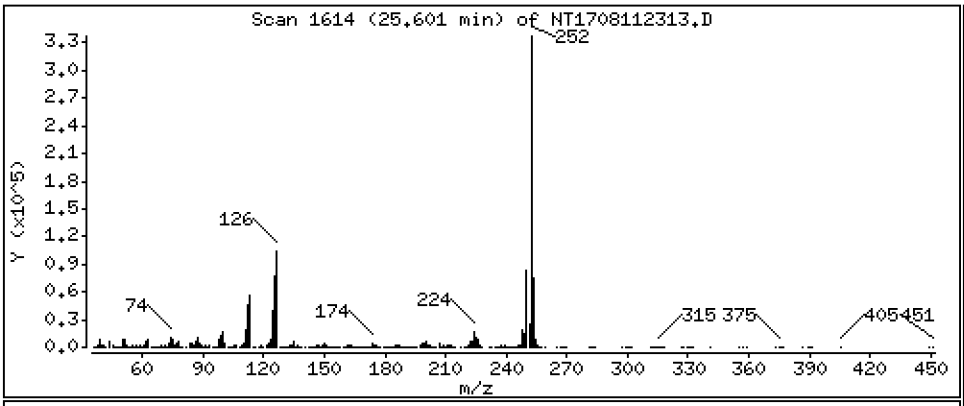
Operator: JGR

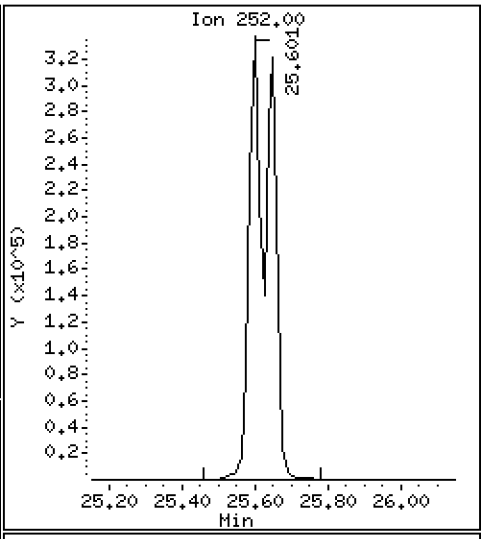
Column phase: ZB-5msi

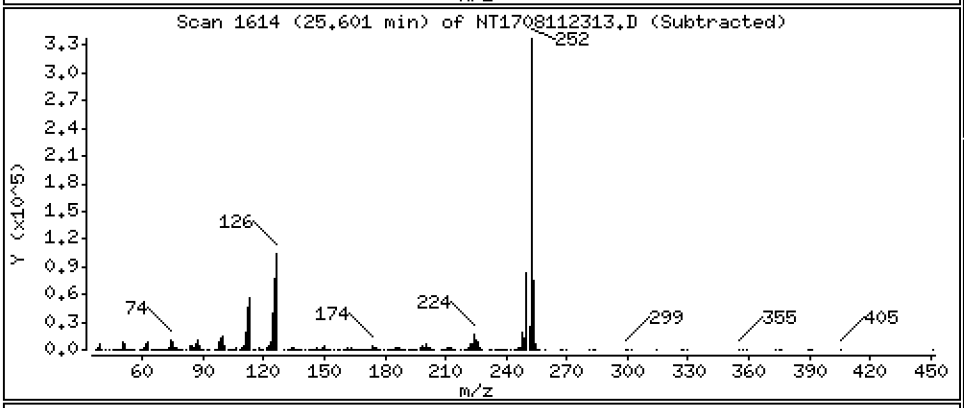
Column diameter: 0.25

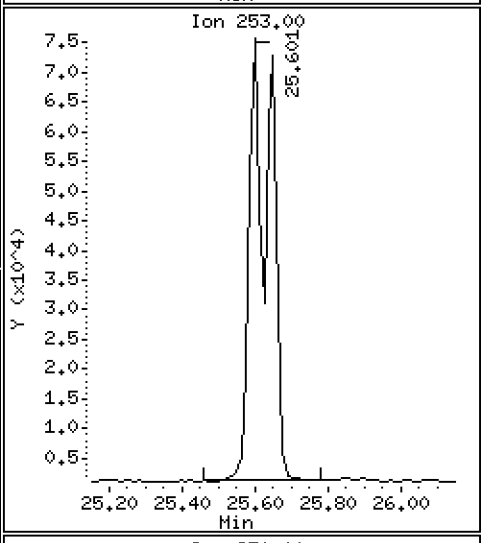
187 Total Benzofluoranthenes

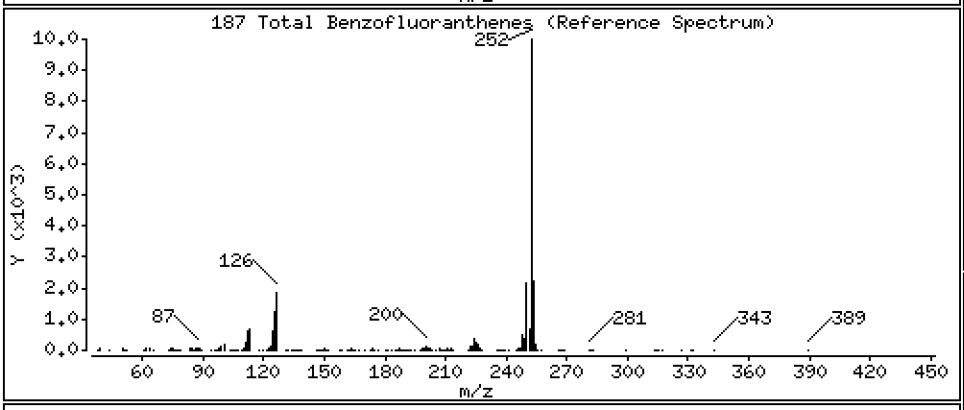
Concentration: 8.088 ug/mL

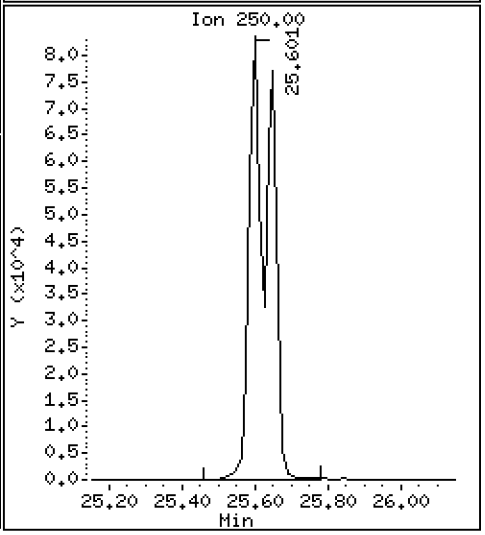


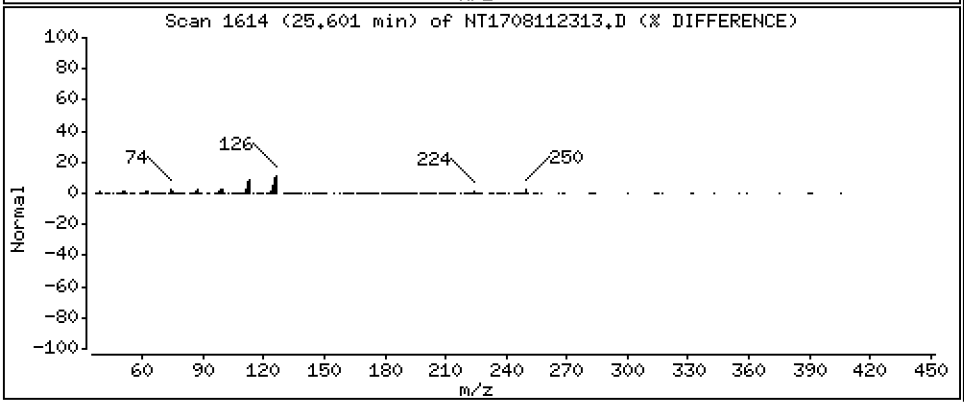












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

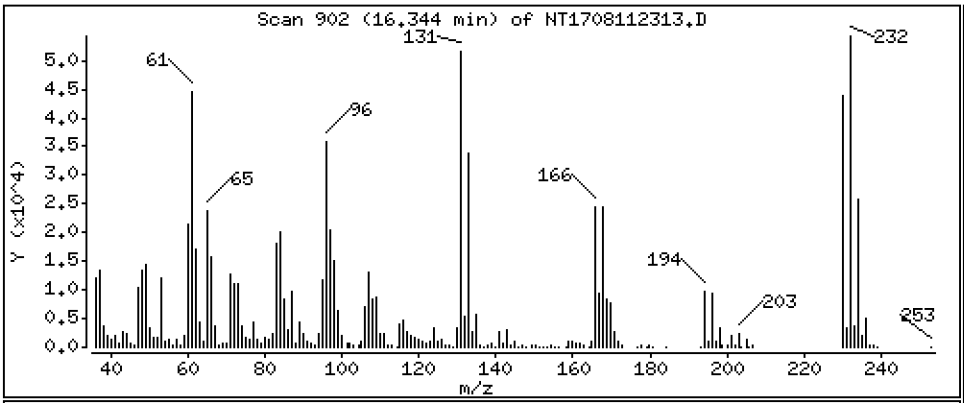
Operator: JGR

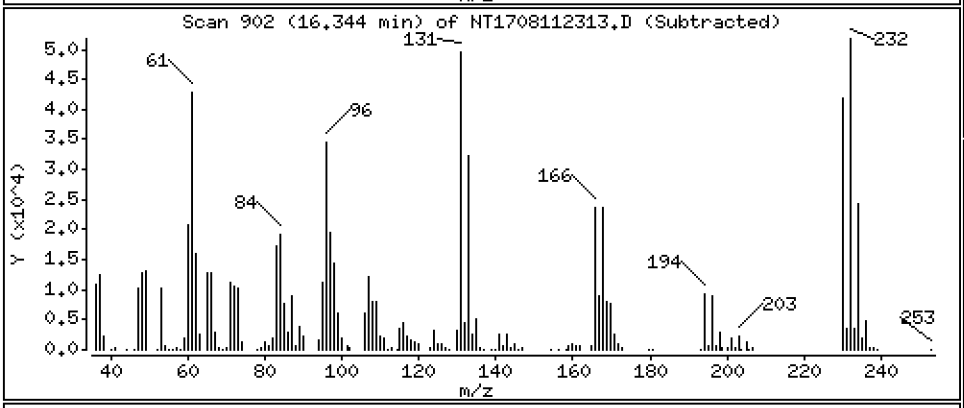
Column phase: ZB-5msi

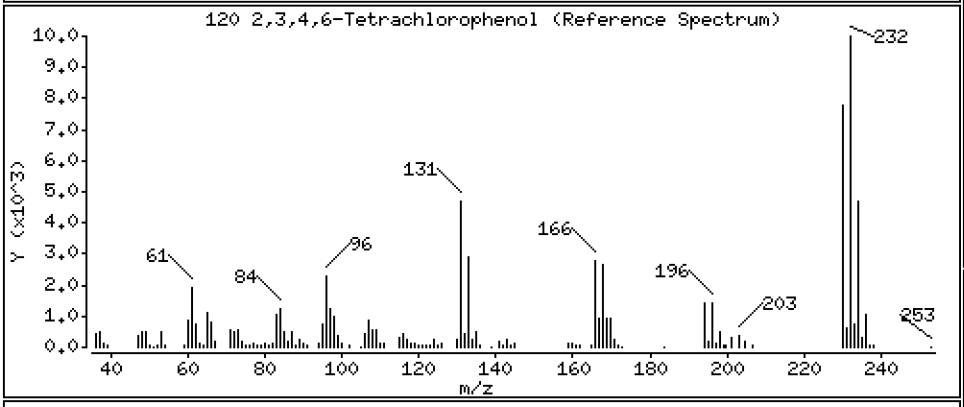
Column diameter: 0.25

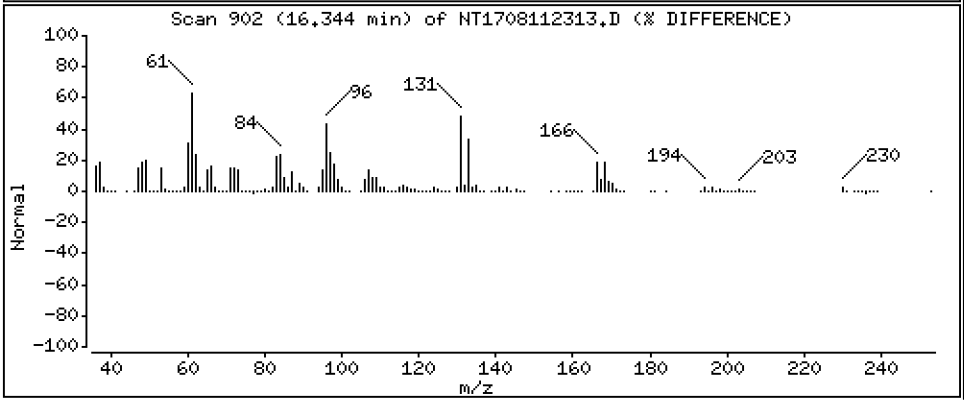
120 2,3,4,6-Tetrachlorophenol

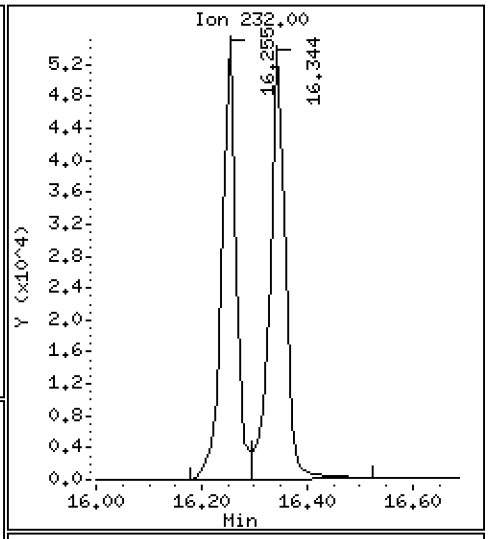
Concentration: 3.483 ug/mL

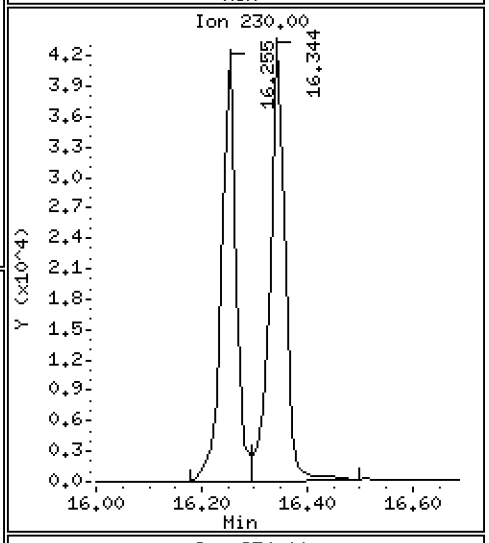


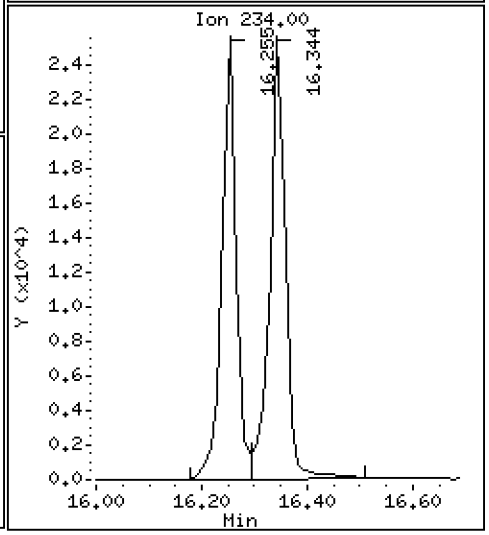












ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt17.i\20230811.b\NT1708112313.D
Lab Smp Id: BLH0180-BS1
Inj Date : 11-AUG-2023 19:43
Operator : JGR Inst ID: nt17.i
Smp Info : BLH0180-BS1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt17.i\20230811.b\ABN.m
Meth Date : 17-Aug-2023 10:28 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:16 Cal File: NT1708102308.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	7.301	7.301	(0.766)	556971	5.08182	5.082
$	2 Phenol-d5	99	8.868	8.868	(0.930)	770892	4.93991	4.940
	3 Phenol	94	8.880	8.880	(0.932)	559989	3.46377	3.464
$	5 2-Chlorophenol-d4	132	9.173	9.173	(0.963)	481263	4.95299	4.953
	4 Bis(2-Chloroethyl)ether	93	9.072	9.072	(0.952)	475974	3.61268	3.613
	6 2-Chlorophenol	128	9.199	9.199	(0.965)	331411	3.41984	3.420
	7 1,3-Dichlorobenzene	146	9.467	9.467	(0.993)	312899	3.05286	3.053
*	8 1,4-Dichlorobenzene-d4	152	9.531	9.531	(1.000)	242353	4.00000	
	9 1,4-Dichlorobenzene	146	9.556	9.569	(1.003)	310068	3.12737	3.127
$	10 1,2-Dichlorobenzene-d4	152	9.888	9.901	(1.038)	188794	3.12076	3.121
	12 1,2-Dichlorobenzene	146	9.914	9.927	(1.040)	302765	3.12461	3.125
	11 Benzyl alcohol	108	9.799	9.786	(1.028)	261532	3.56883	3.569
	14 2,2'-oxybis(1-Chloropropane)	121	10.080	10.093	(1.058)	130618	4.02806	4.028
	13 2-Methylphenol	108	10.003	10.003	(1.050)	344219	3.27491	3.275
	17 Hexachloroethane	117	10.514	10.514	(1.103)	169608	3.31459	3.315
	16 N-Nitroso-di-n-propylamine	70	10.348	10.348	(1.086)	428409	3.54637	3.546
	15 4-Methylphenol	108	10.272	10.272	(1.078)	485640	3.26543	3.265
$	18 Nitrobenzene-d5	82	10.629	10.629	(0.884)	609499	3.79386	3.794
	19 Nitrobenzene	77	10.668	10.668	(0.887)	641596	3.71732	3.717
	20 Isophorone	82	11.102	11.102	(0.924)	1336075	5.01994	5.020
	21 2-Nitrophenol	139	11.294	11.294	(0.940)	168051	3.24157	3.242
	22 2,4-Dimethylphenol	107	11.319	11.319	(0.942)	962551	8.11167	8.112
	23 Bis(2-Chloroethoxy)methane	93	11.511	11.523	(0.958)	565359	4.05084	4.051
	24 Benzoic acid	105	11.549	11.549	(0.961)	1812847	17.6559	17.66
	25 2,4-Dichlorophenol	162	11.728	11.728	(0.976)	761934	12.0775	12.08
	26 1,2,4-Trichlorobenzene	180	11.919	11.932	(0.992)	218265	3.09740	3.097
*	27 Naphthalene-d8	136	12.021	12.021	(1.000)	1033597	4.00000	
	28 Naphthalene	128	12.059	12.059	(1.003)	980985	3.48963	3.490
	29 4-Chloroaniline	127	12.186	12.186	(1.014)	844765	6.59899	6.599
	30 Hexachlorobutadiene	225	12.403	12.403	(1.032)	101935	3.14728	3.147
	31 4-Chloro-3-methylphenol	107	13.117	13.117	(1.091)	1330534	11.4714	11.47
	32 2-Methylnaphthalene	142	13.449	13.449	(1.119)	640425	3.29040	3.290
	33 Hexachlorocyclopentadiene	237	13.908	13.908	(0.890)	277771	6.20074	6.201

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
34	2,4,6-Trichlorophenol	196	14.061	14.061	(0.900)	515726	10.4095	10.41
35	2,4,5-Trichlorophenol	196	14.137	14.137	(0.905)	546830	12.1602	12.16
$ 36	2-Fluorobiphenyl	172	14.214	14.227	(0.909)	608158	3.49280	3.493
37	2-Chloronaphthalene	162	14.444	14.443	(0.924)	559557	3.55126	3.551
38	2-Nitroaniline	65	14.699	14.699	(0.940)	1357906	10.6745	10.67
39	Dimethylphthalate	163	15.120	15.119	(0.967)	663198	4.03620	4.036
40	Acenaphthylene	152	15.311	15.324	(0.980)	889625	3.66791	3.668
41	2,6-Dinitrotoluene	165	15.273	15.273	(0.977)	442720	12.3961	12.40
* 42	Acenaphthene-d10	164	15.630	15.630	(1.000)	470804	4.00000	
43	3-Nitroaniline	138	15.553	15.553	(0.995)	414367	7.10017	7.100
44	Acenaphthene	153	15.693	15.693	(1.004)	562929	3.69652	3.697
45	2,4-Dinitrophenol	184	15.770	15.770	(1.009)	542531	24.5251	24.53
46	Dibenzofuran	168	16.012	16.025	(1.024)	739370	3.57451	3.575
47	4-Nitrophenol	109	15.846	15.846	(1.014)	501381	12.0589	12.06
48	2,4-Dinitrotoluene	165	16.076	16.076	(1.029)	598570	10.6311	10.63
50	Diethylphthalate	149	16.560	16.560	(1.060)	751287	3.56211	3.562
49	Fluorene	166	16.726	16.726	(1.070)	611457	3.69312	3.693
51	4-Chlorophenyl-phenylether	204	16.700	16.713	(1.068)	282457	3.77708	3.777
52	4-Nitroaniline	138	16.827	16.827	(1.077)	529610	11.3448	11.34
53	4,6-Dinitro-2-methylphenol	198	16.916	16.916	(0.906)	625125	21.7369	21.74
54	N-Nitrosodiphenylamine	169	16.955	16.955	(0.909)	366736	3.16089	3.161
$ 55	2,4,6-Tribromophenol	330	17.260	17.260	(1.104)	78501	5.44672	5.447
56	4-Bromophenyl-phenylether	248	17.705	17.705	(0.949)	123032	3.85676	3.857
57	Hexachlorobenzene	284	18.037	18.037	(0.967)	122808	3.49109	3.491
58	Pentachlorophenol	266	18.381	18.381	(0.985)	281624	12.9126	12.91
* 59	Phenanthrene-d10	188	18.662	18.662	(1.000)	767676	4.00000	
60	Phenanthrene	178	18.713	18.713	(1.003)	848029	3.82149	3.821
61	Anthracene	178	18.802	18.802	(1.008)	795525	3.99709	3.997
62	Carbazole	167	19.121	19.121	(1.025)	692911	3.43385	3.434
63	Di-n-butylphthalate	149	19.860	19.860	(1.064)	1374774	3.72550	3.725
64	Fluoranthene	202	21.059	21.059	(0.891)	915071	4.40896	4.409
65	Pyrene	202	21.480	21.480	(0.909)	916282	4.22569	4.226
$ 66	Terphenyl-d14	244	21.735	21.735	(0.920)	623088	4.06638	4.066
67	Butylbenzylphthalate	149	22.641	22.641	(0.958)	604481	4.05653	4.057
68	Benzo(a)anthracene	228	23.610	23.610	(0.999)	783368	4.01606	4.016
* 69	Chrysene-d12	240	23.636	23.648	(1.000)	506981	4.00000	
70	3,3'-Dichlorobenzidine	252	23.559	23.559	(0.997)	413661	7.23840	7.238
71	Chrysene	228	23.687	23.687	(1.002)	681765	4.08128	4.081
72	bis(2-Ethylhexyl)phthalate	149	23.623	23.636	(0.959)	881735	3.87935	3.879
* 134	Di-n-octylphthalate-d4	153	24.644	24.643	(1.000)	1381165	4.00000	
73	Di-n-octylphthalate	149	24.656	24.656	(1.001)	1510164	4.04824	4.048
74	Benzo(b)fluoranthene	252	25.600	25.600	(0.968)	791089	3.62833	3.628
75	Benzo(k)fluoranthene	252	25.651	25.651	(0.970)	694281	3.75680	3.757
76	Benzo(a)pyrene	252	26.315	26.327	(0.995)	591709	3.54262	3.543
* 77	Perylene-d12	264	26.442	26.455	(1.000)	500166	4.00000	
78	Indeno(1,2,3-cd)pyrene	276	29.393	29.406	(1.112)	705373	3.45136	3.451
79	Dibenzo(a,h)anthracene	278	29.406	29.419	(1.112)	591819	3.29918	3.299
80	Benzo(g,h,i)perylene	276	30.288	30.288	(1.145)	578129	4.12631	4.126(M)
90	N-Nitrosodimethylamine	74	5.237	5.211	(0.549)	860030	7.56309	7.563(H)
91	Aniline	93	8.995	8.995	(0.944)	721789	4.09682	4.097
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	5.275	5.224	(0.553)	25264	0.15540	0.1554(H)
105	1-methylnaphthalene	142	13.666	13.678	(1.137)	643526	3.60564	3.606
111	Azobenzene (1,2-DP-Hydrazine)	77	17.031	17.031	(1.090)	1393318	3.88415	3.884

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.600	25.651	(0.968)	1381031	8.08803	8.088
120 2,3,4,6-Tetrachlorophenol	232	16.343	16.343	(1.046)	120732	3.48268	3.483

QC Flag Legend

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

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708112313.D
Lab Smp Id: BLH0180-BS1
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230811.b\ABN.m
Misc Info:

Calibration Date: 11-AUG-2023
Calibration Time: 12:50
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	243724	121862	487448	242353	-0.56
27 Naphthalene-d8	1014927	507464	2029854	1033597	1.84
42 Acenaphthene-d10	473303	236652	946606	470804	-0.53
59 Phenanthrene-d10	780320	390160	1560640	767676	-1.62
69 Chrysene-d12	509205	254603	1018410	506981	-0.44
134 Di-n-octylphthala	1278671	639336	2557342	1381165	8.02
77 Perylene-d12	502984	251492	1005968	500166	-0.56

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.53	9.03	10.03	9.53	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.66	0.00
69 Chrysene-d12	23.65	23.15	24.15	23.64	-0.05
134 Di-n-octylphthala	24.64	24.14	25.14	24.64	0.00
77 Perylene-d12	26.46	25.96	26.96	26.44	-0.05

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

REVIEW SUMMARY FOR FILE - NT1708112313.D

Lab ID: BLH0180-BS1
nt17.i, ABN.m, 11-AUG-2023 19:43

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.553	0.548	0.0053	Pyridine

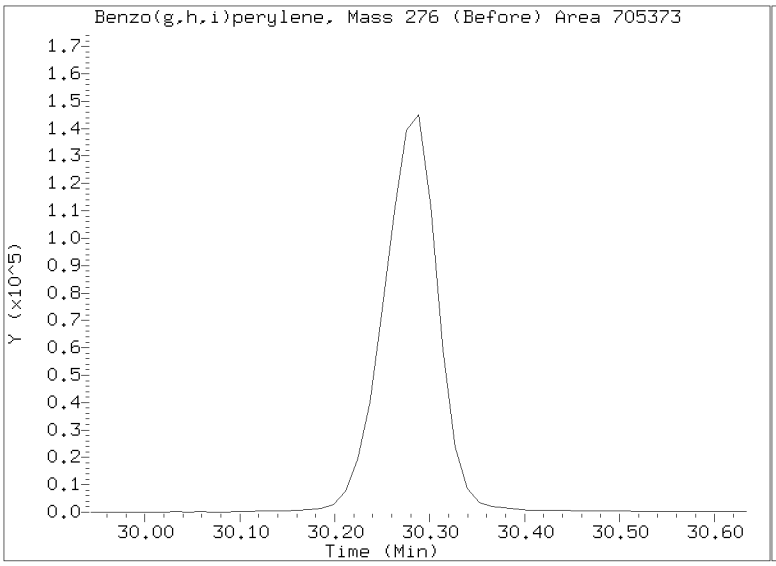
RRT check based on Ccal File: NT1708112302.D

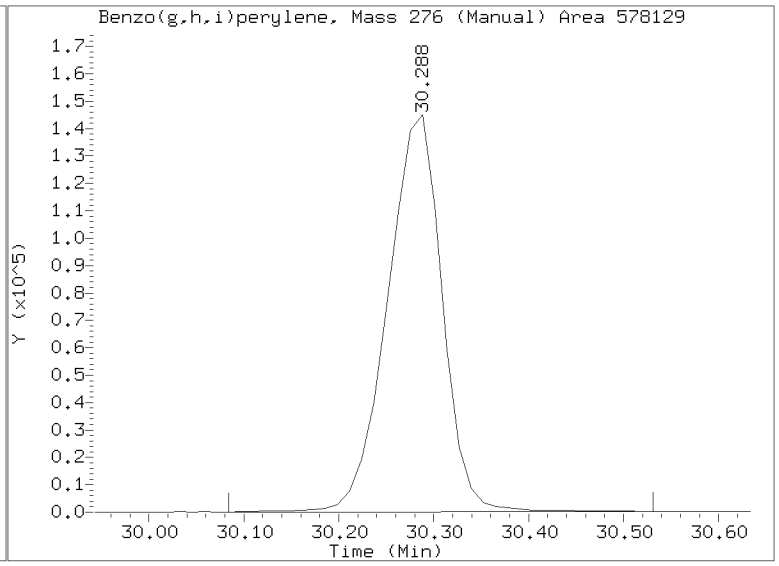
On Column LOD for nt17.i, ABN.m, ICAL.sub = 0.0000

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

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230811.b/NT1708112313.D
Injection Date: 11-AUG-2023 19:43
Lab ID:BLH0180-BS1 Client ID:
Report Date: 08/17/2023 10:31





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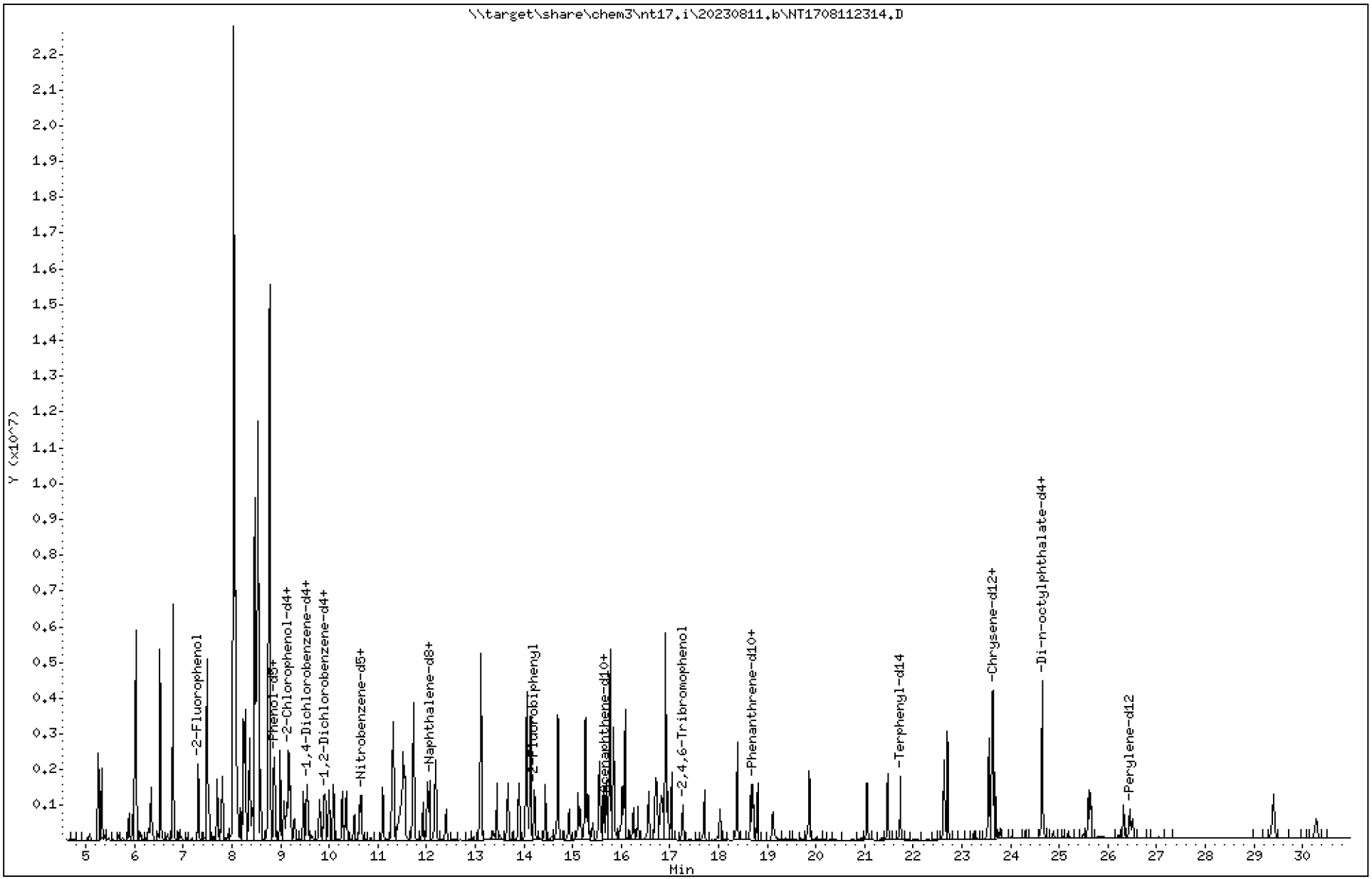
Date : 11-AUG-2023 20:20
Client ID:
Sample Info: BLH0180-BSD1

Instrument: nt17.i
Operator: JGR
Column diameter: 0.25

Column phase: ZB-5msi



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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

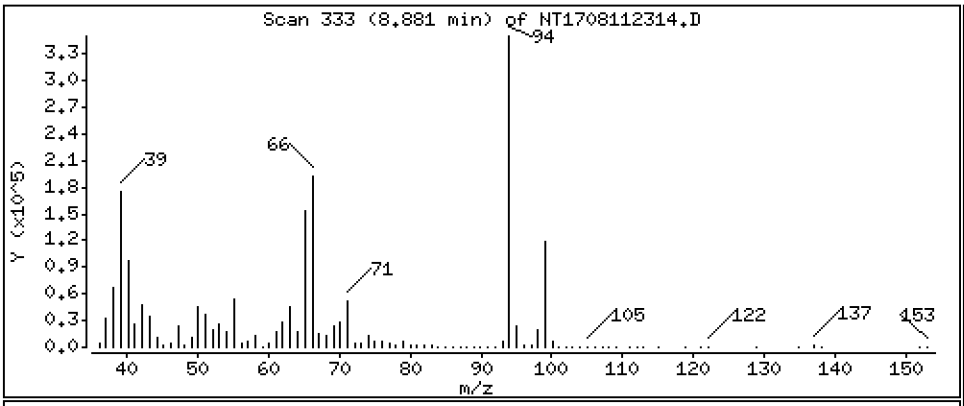
Operator: JGR

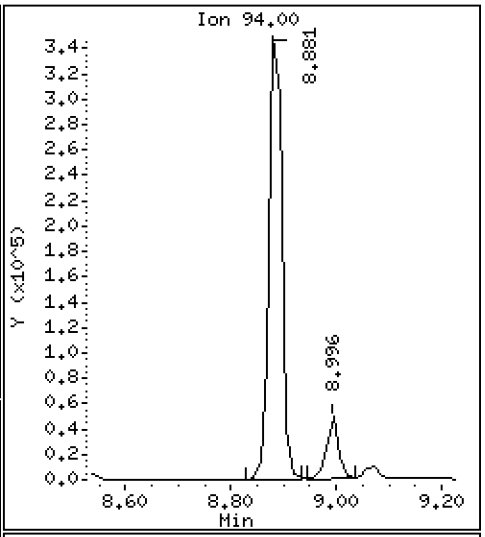
Column phase: ZB-5msi

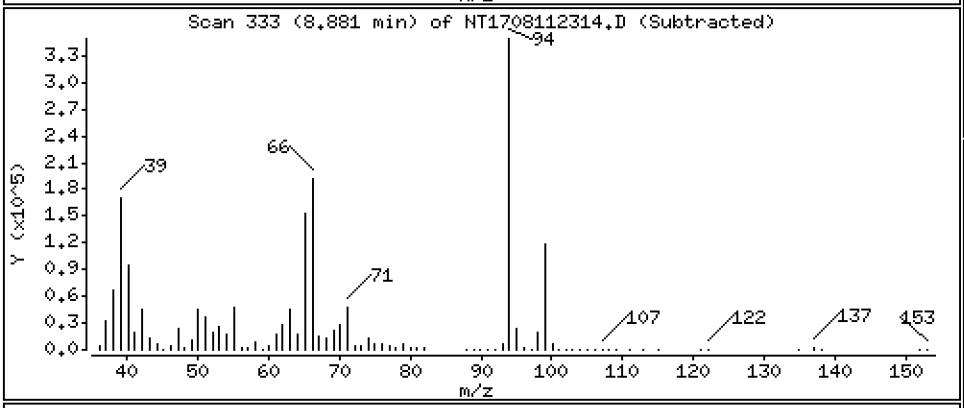
Column diameter: 0.25

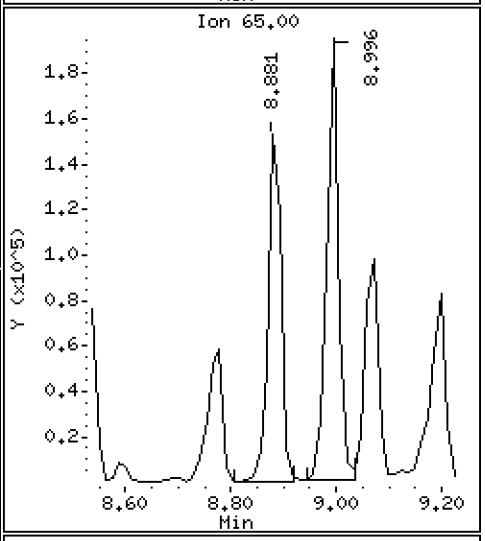
3 Phenol

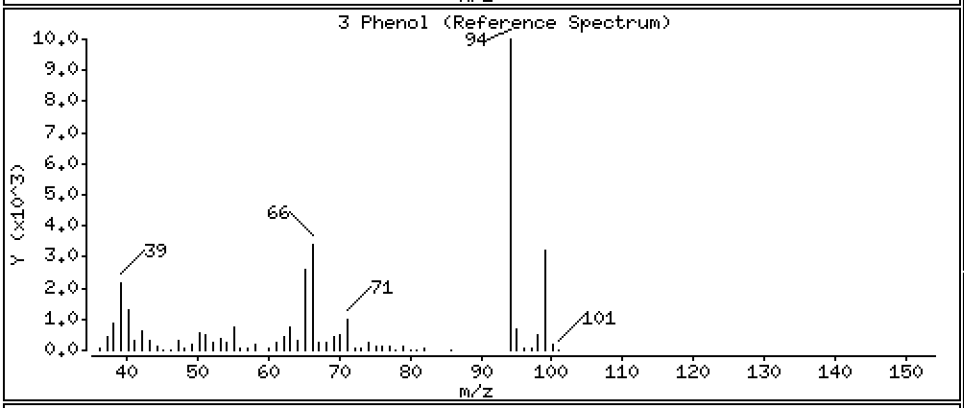
Concentration: 3.604 ug/mL

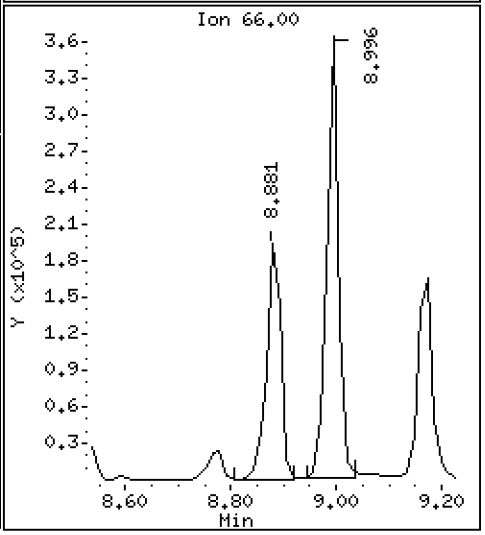


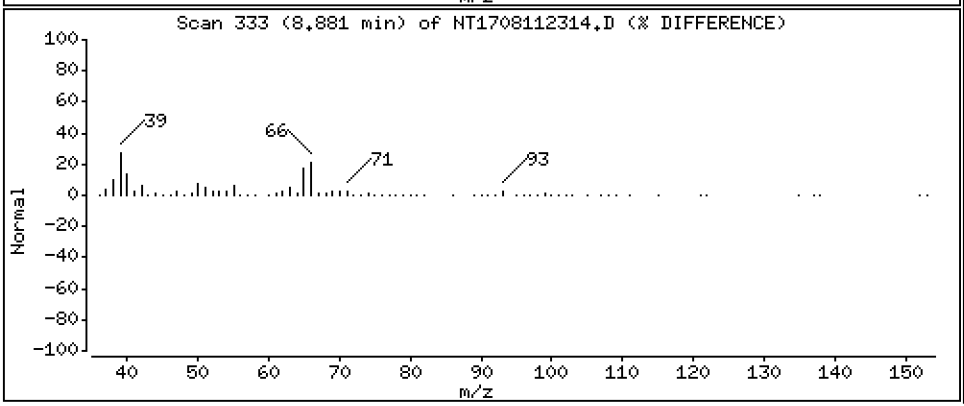












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

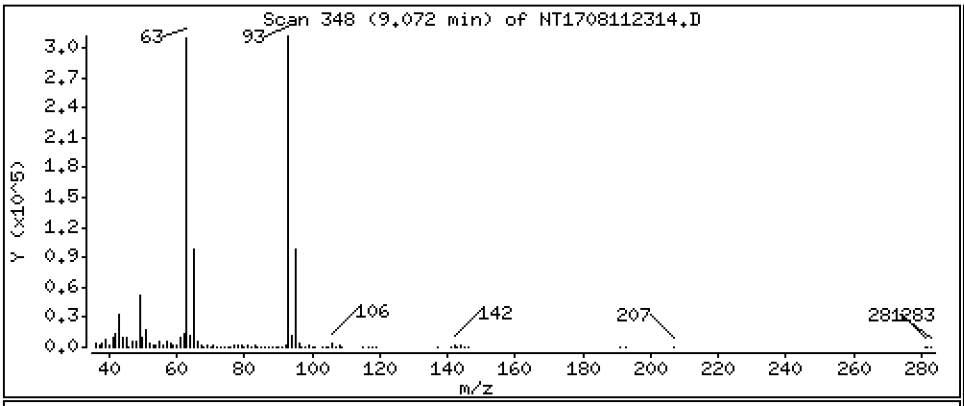
Operator: JGR

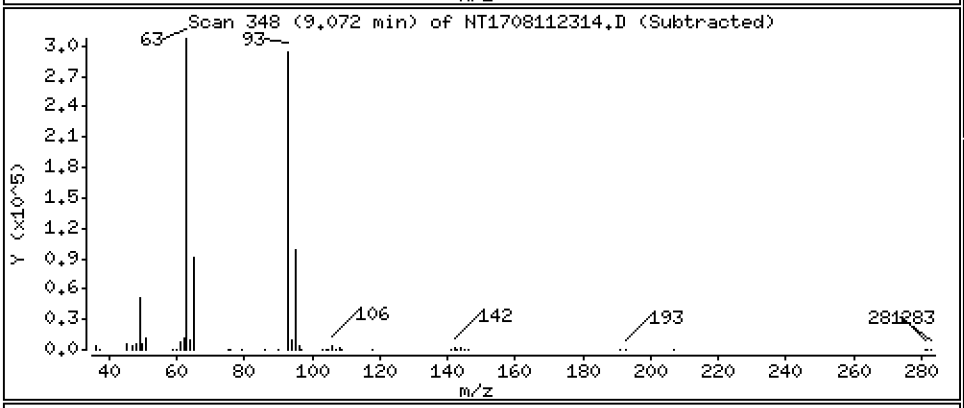
Column phase: ZB-5msi

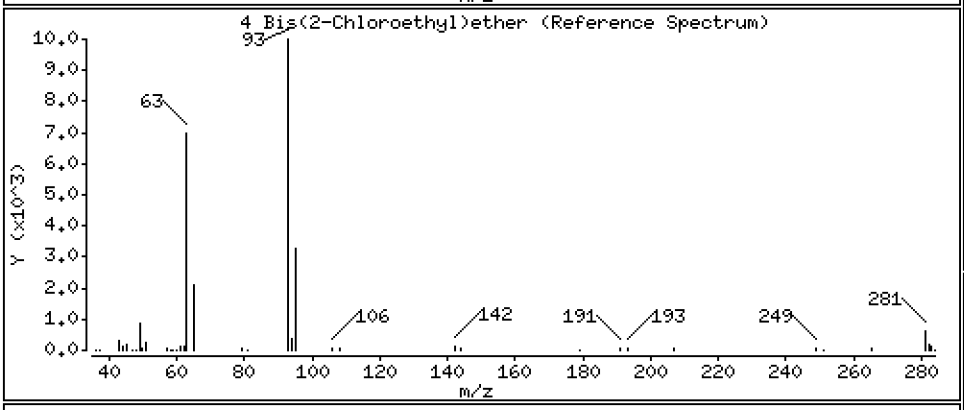
Column diameter: 0.25

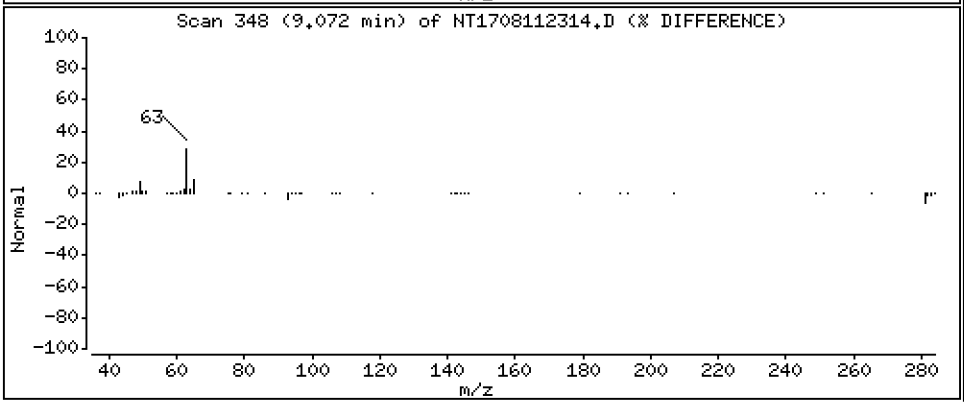
4 Bis(2-Chloroethyl)ether

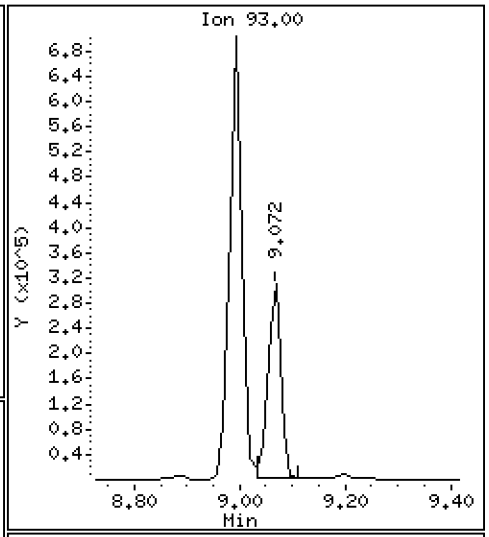
Concentration: 3.783 ug/mL

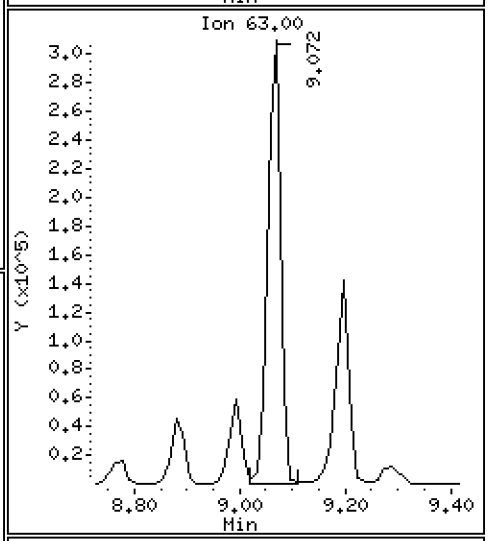


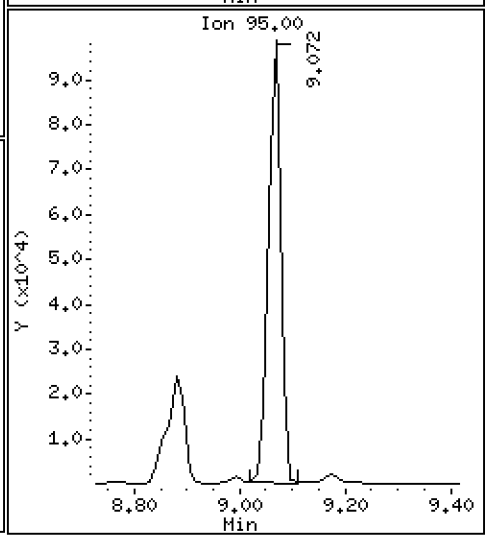












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

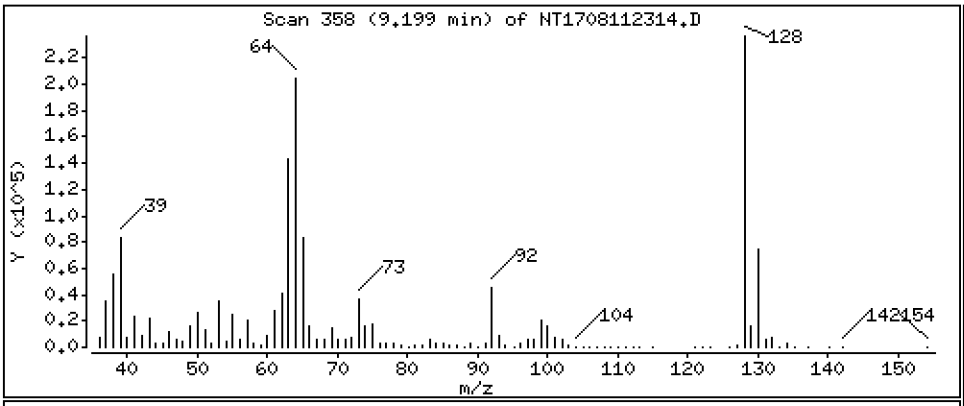
Operator: JGR

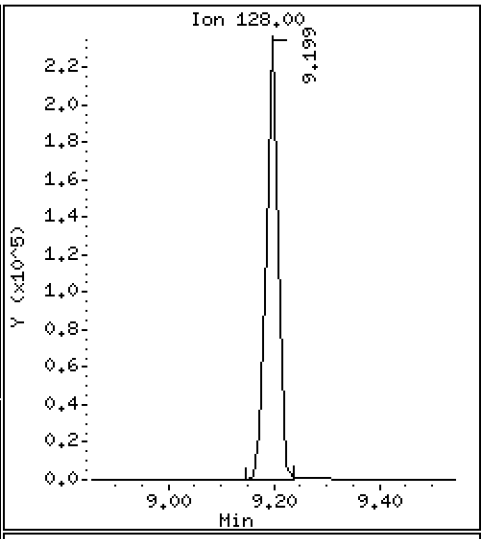
Column phase: ZB-5msi

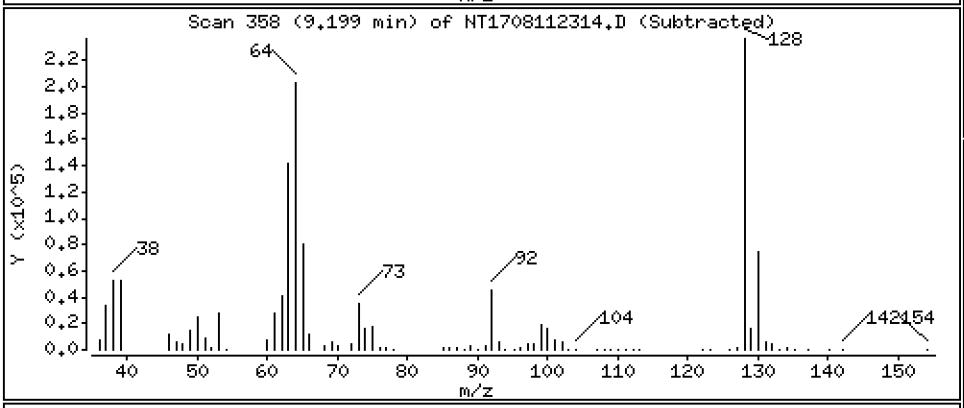
Column diameter: 0.25

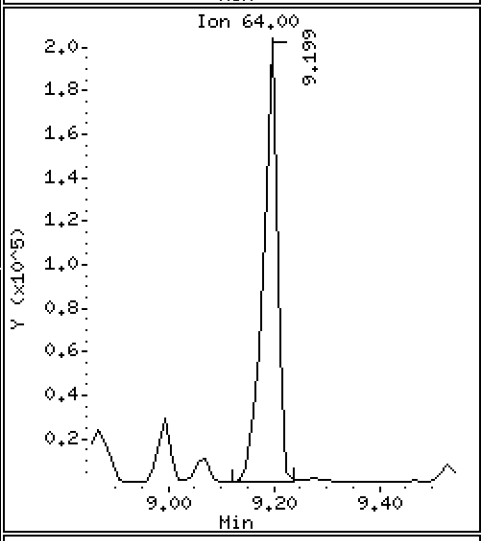
6 2-Chlorophenol

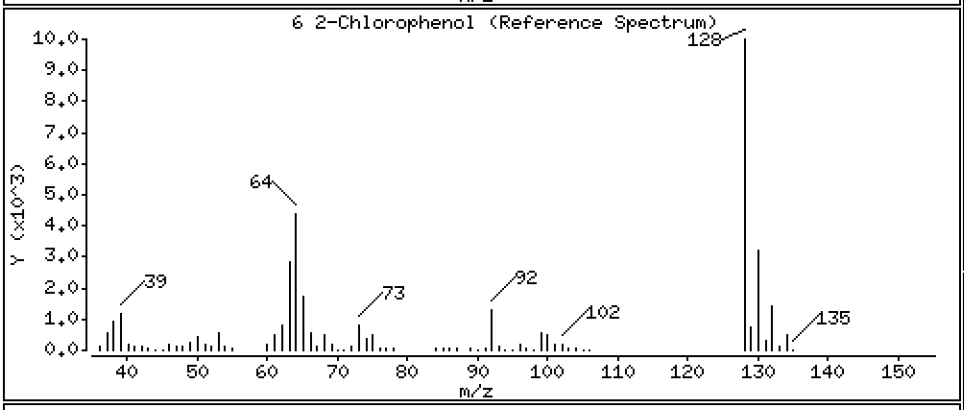
Concentration: 3.620 ug/mL

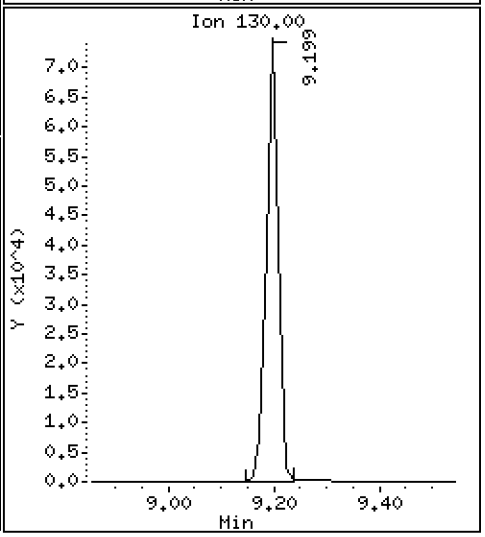


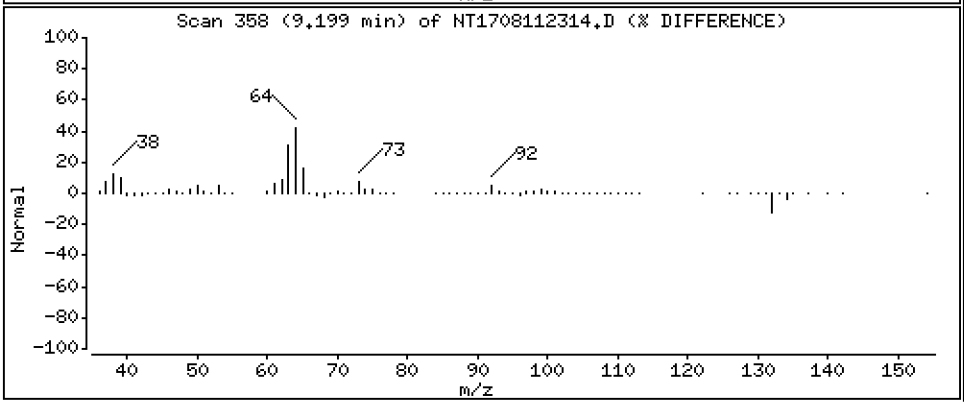












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

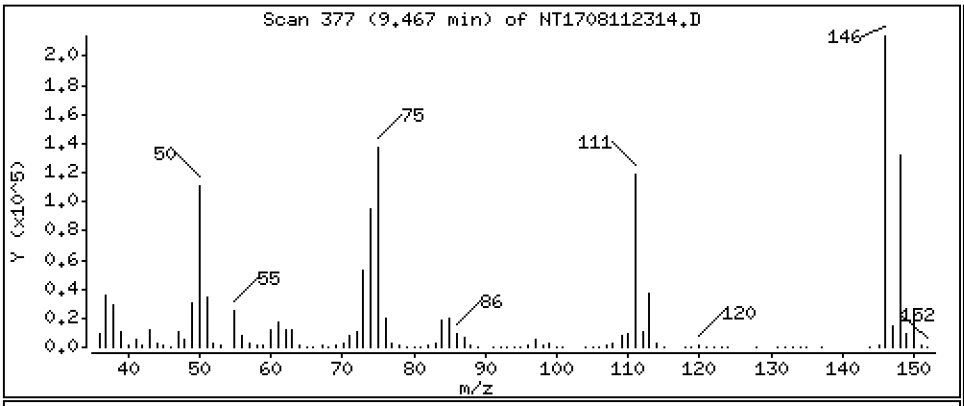
Operator: JGR

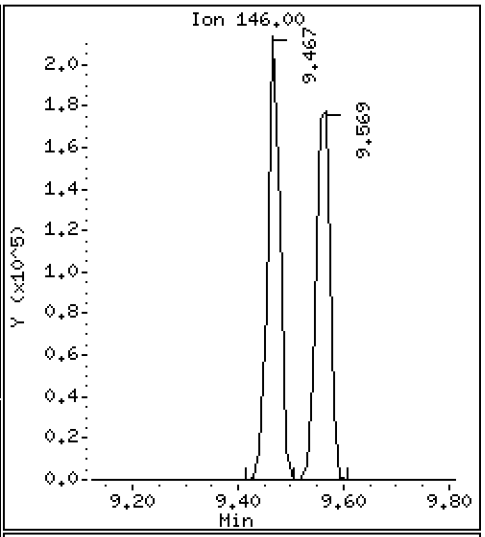
Column phase: ZB-5msi

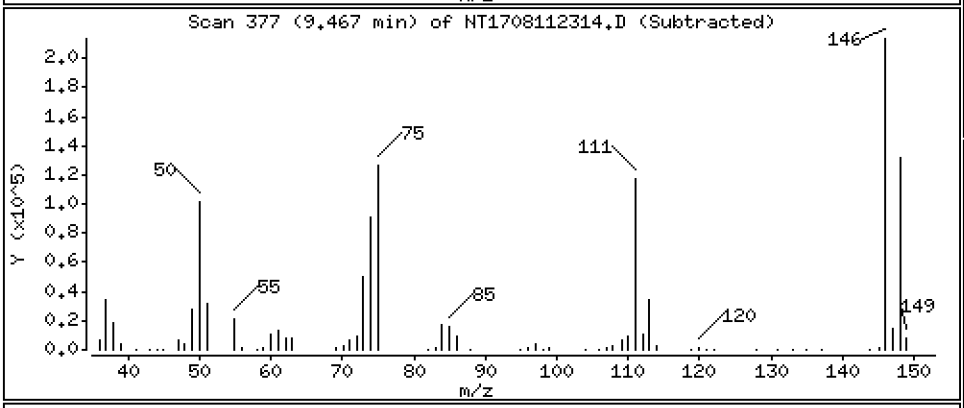
Column diameter: 0.25

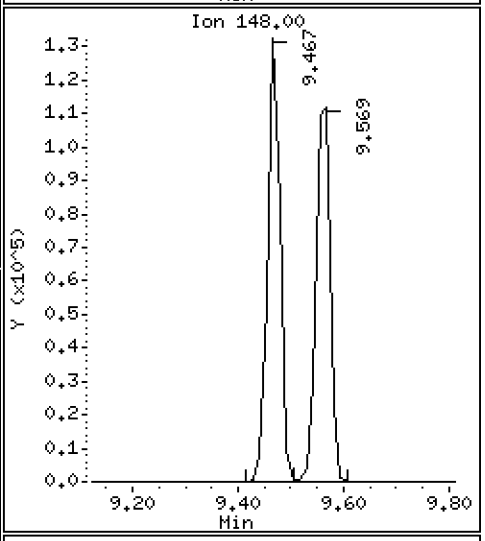
7 1,3-Dichlorobenzene

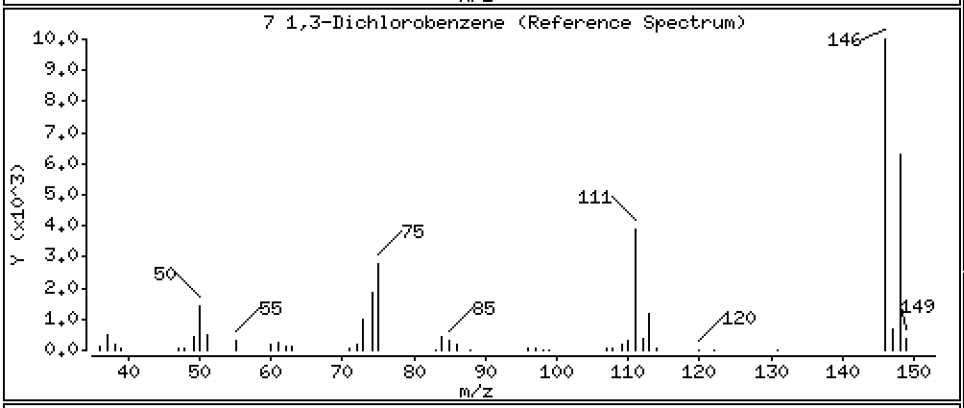
Concentration: 3.223 ug/mL

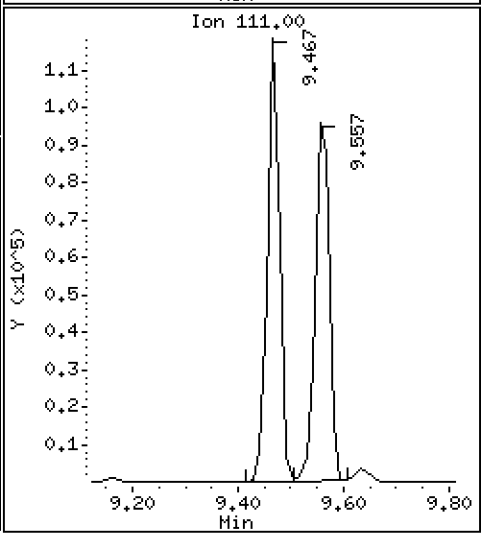


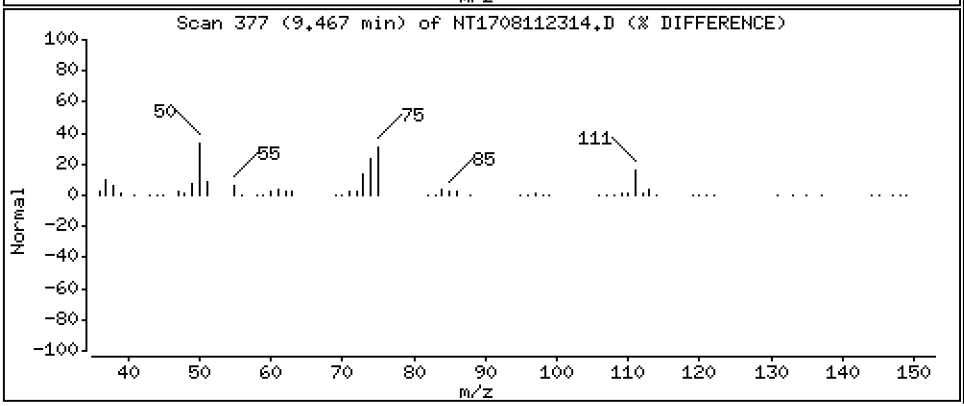












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

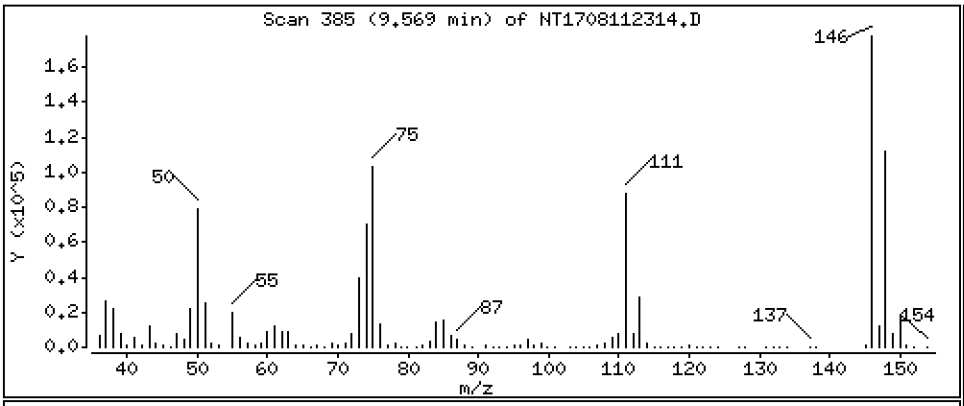
Operator: JGR

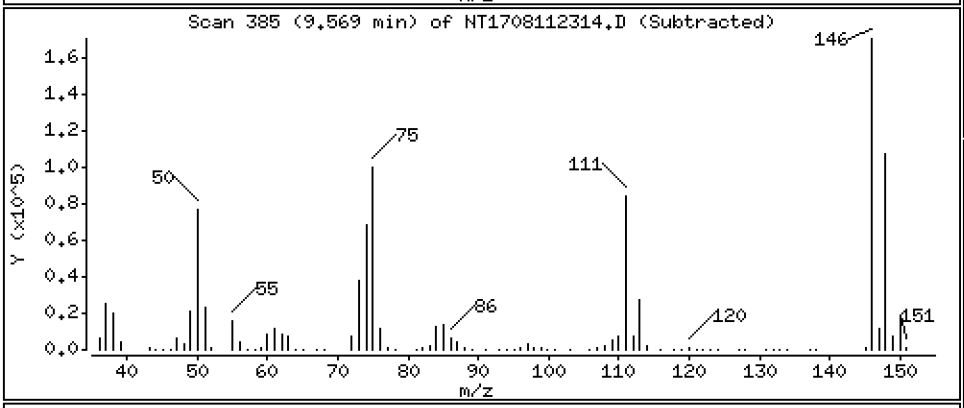
Column phase: ZB-5msi

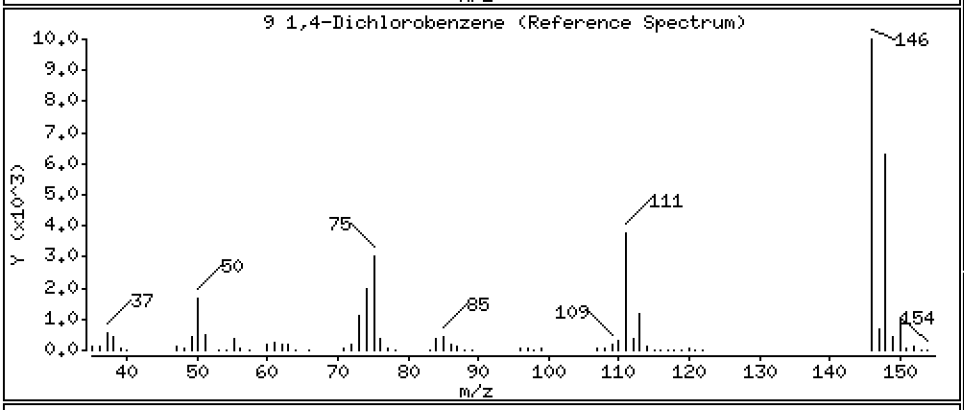
Column diameter: 0.25

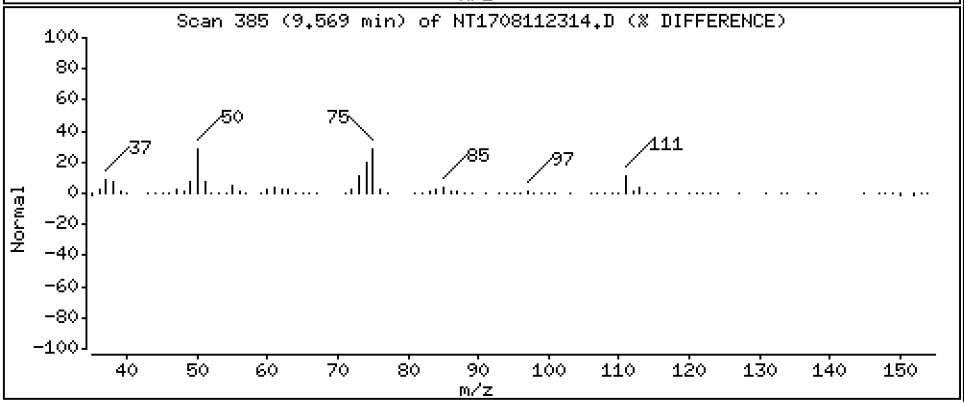
9 1,4-Dichlorobenzene

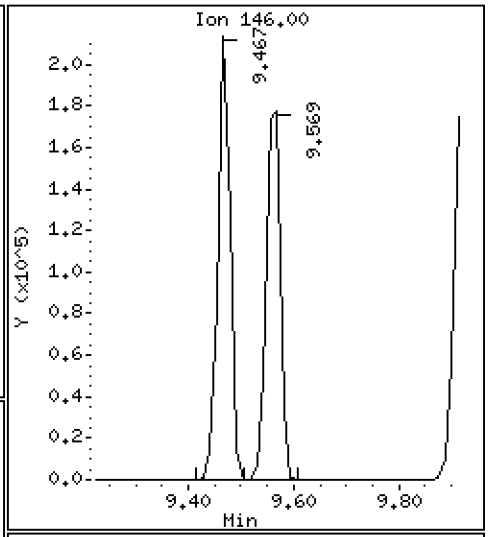
Concentration: 3.242 ug/mL

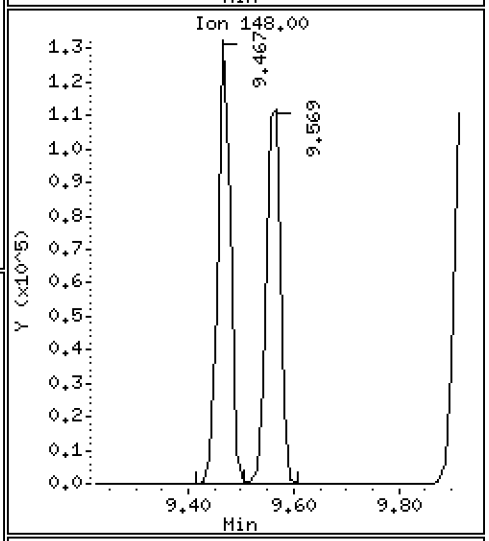


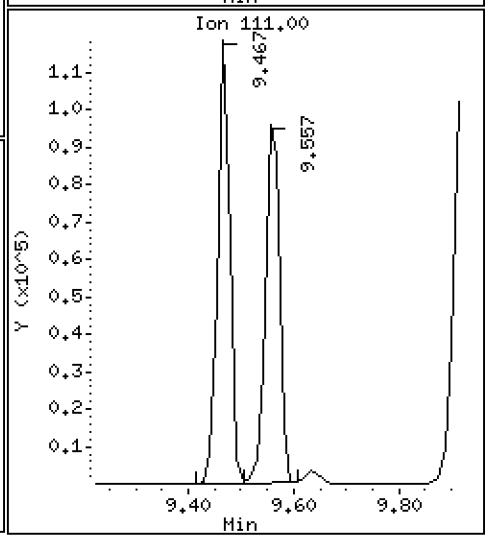












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

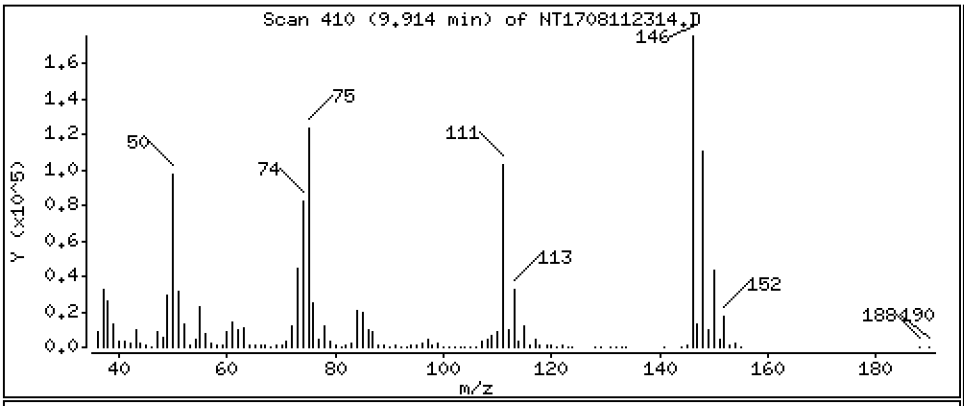
Operator: JGR

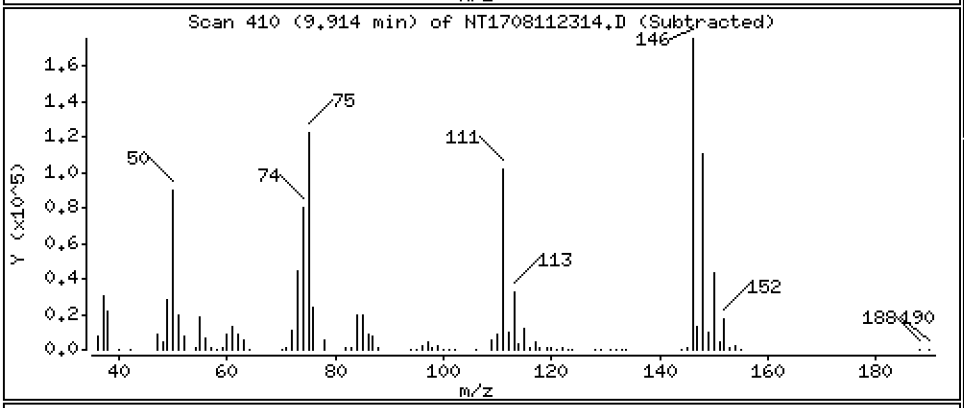
Column phase: ZB-5msi

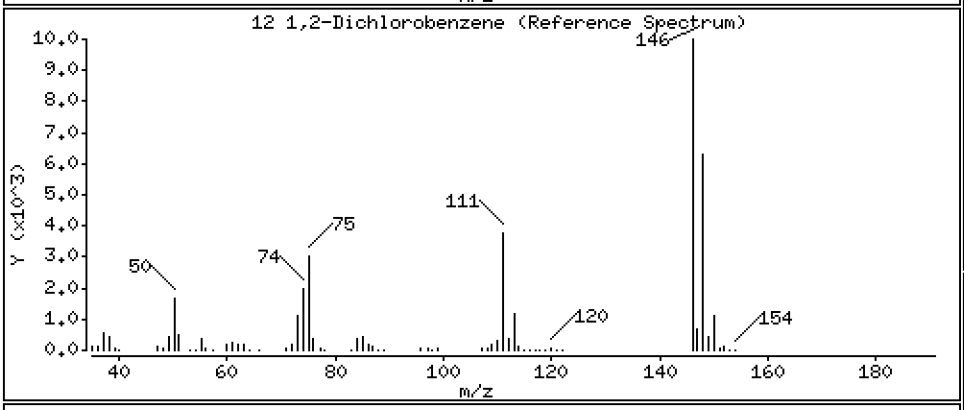
Column diameter: 0.25

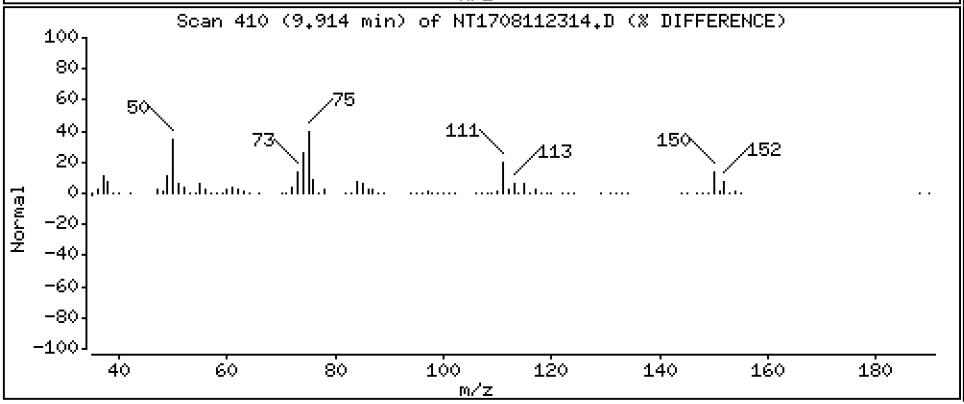
12 1,2-Dichlorobenzene

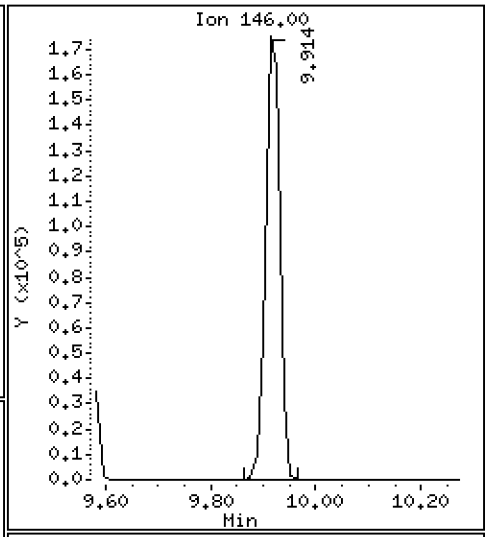
Concentration: 3.287 ug/mL

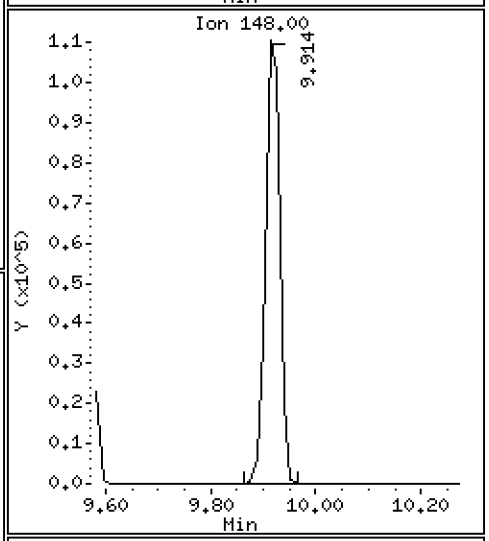


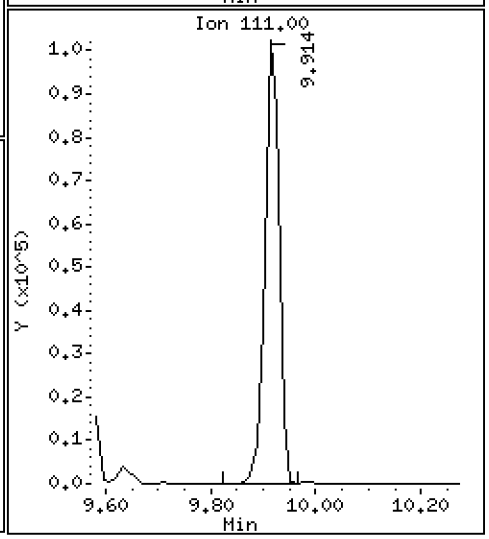












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

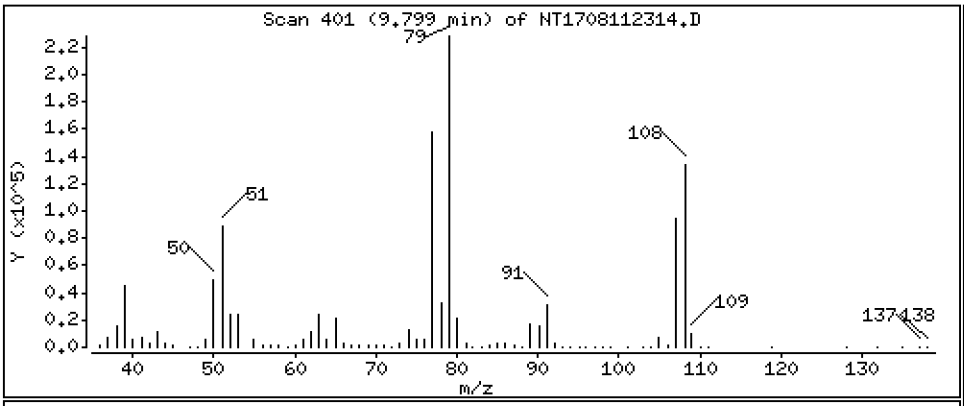
Operator: JGR

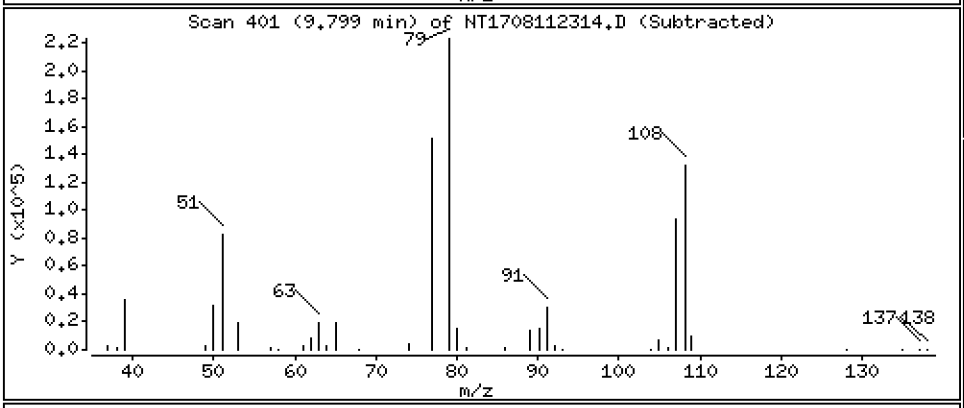
Column phase: ZB-5msi

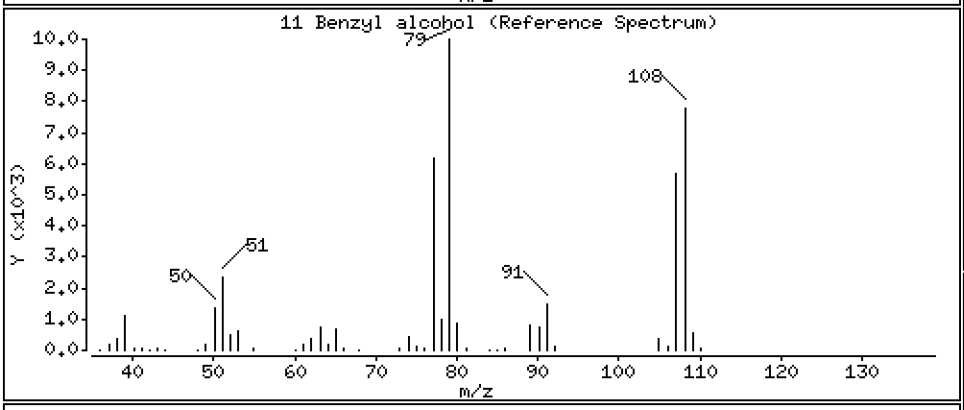
Column diameter: 0.25

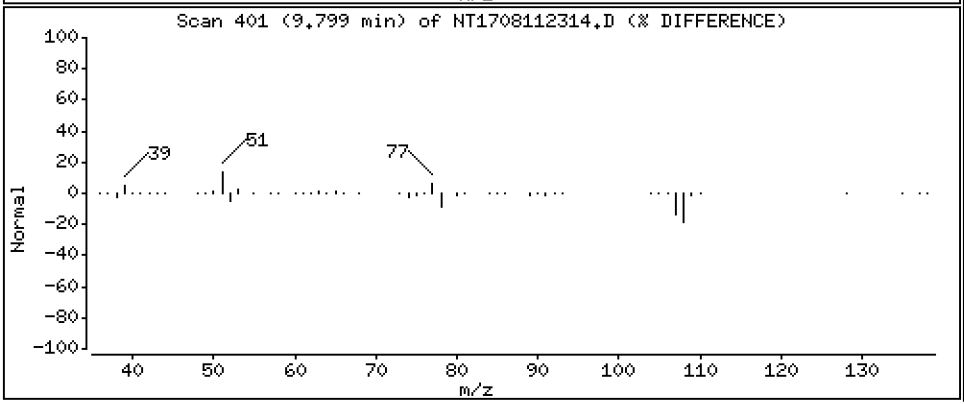
11 Benzyl alcohol

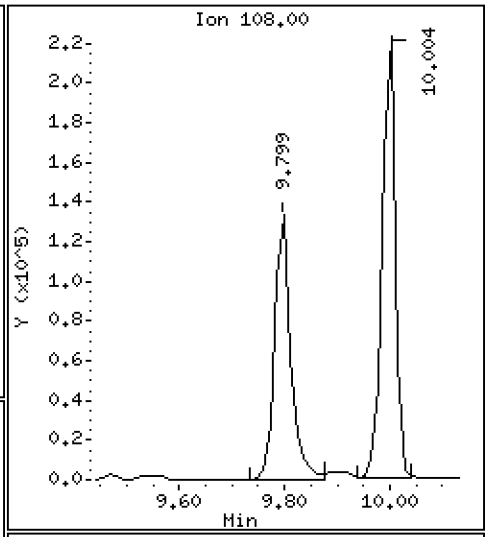
Concentration: 3.713 ug/mL

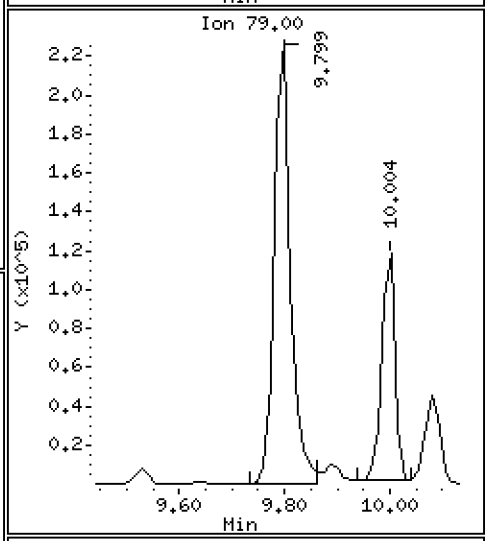


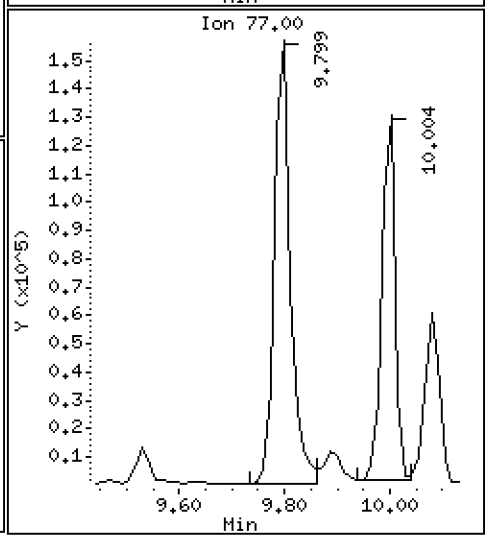












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

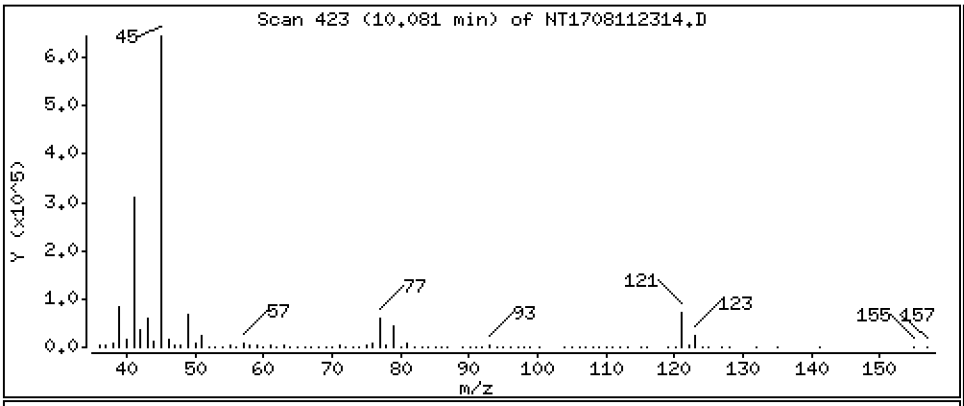
Operator: JGR

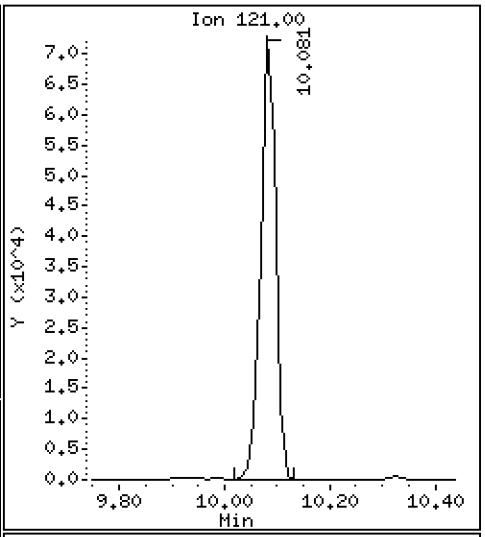
Column phase: ZB-5msi

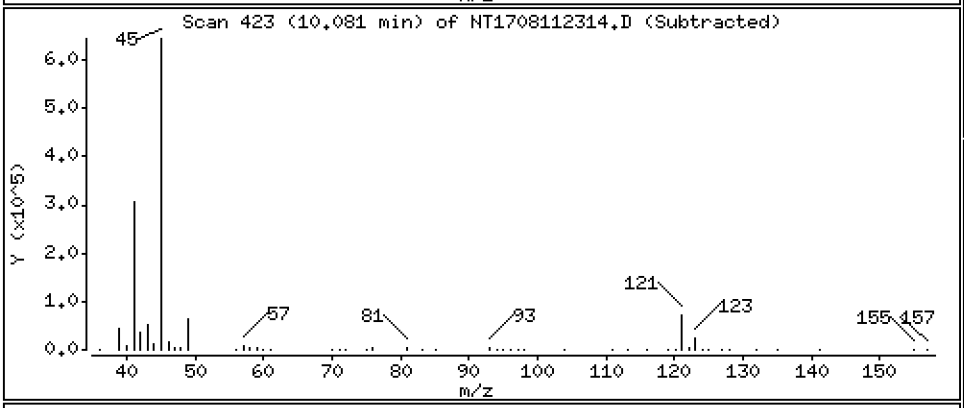
Column diameter: 0.25

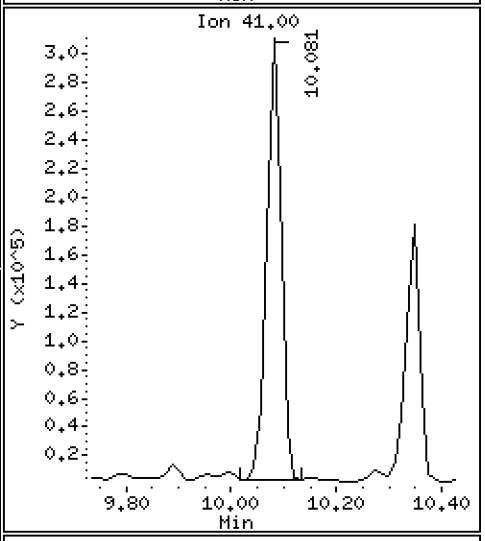
14 2,2'-oxybis(1-Chloropropane)

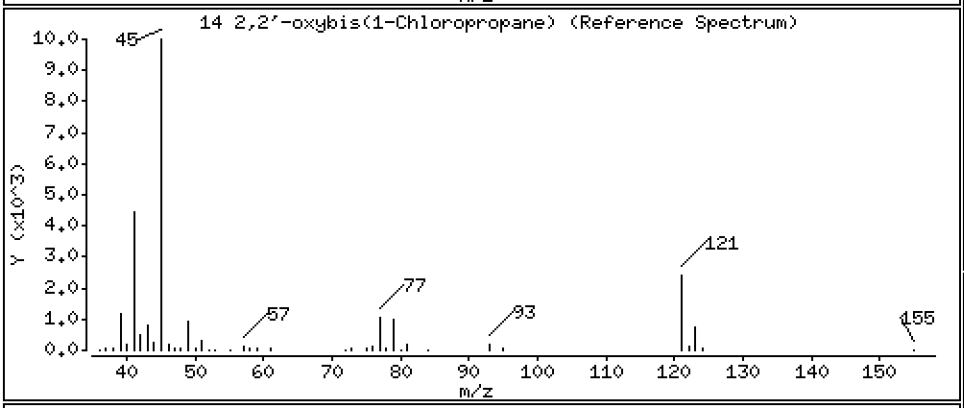
Concentration: 4.234 ug/mL

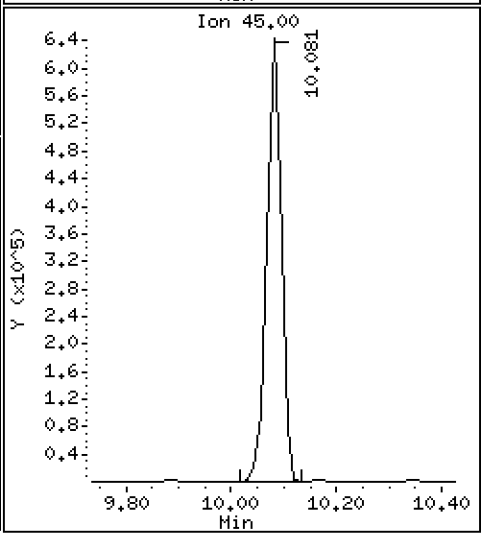


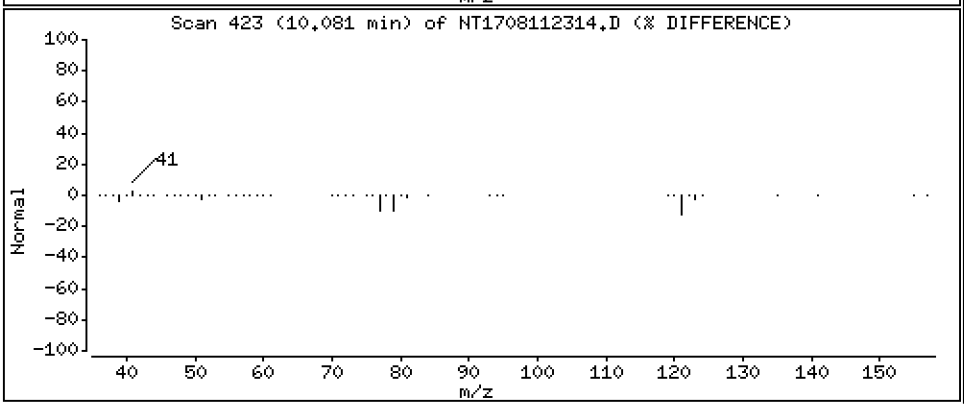












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

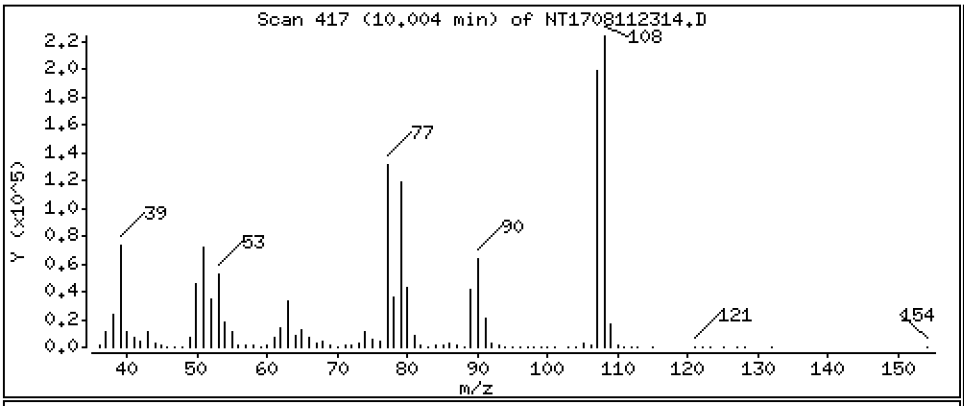
Operator: JGR

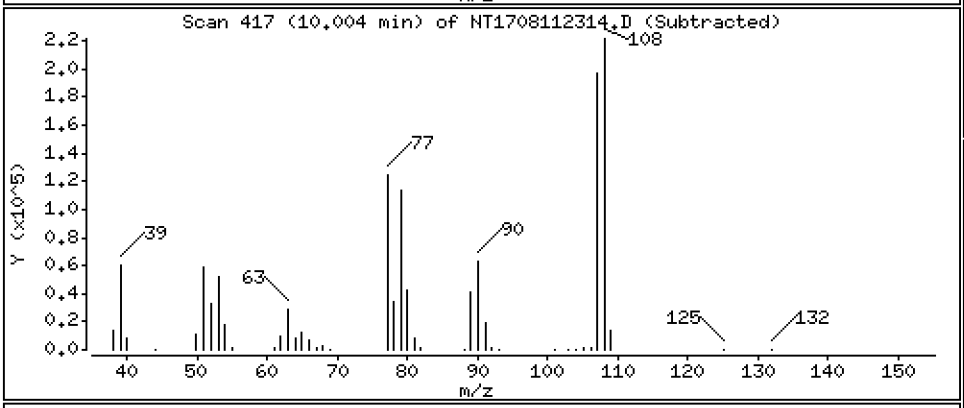
Column phase: ZB-5msi

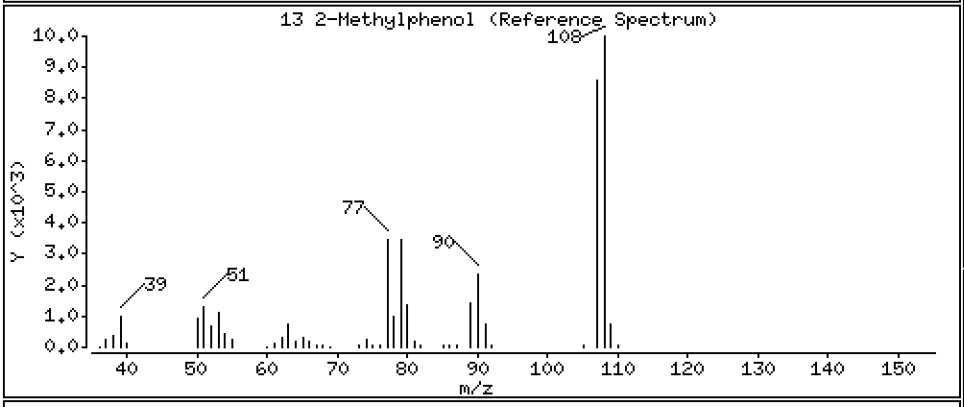
Column diameter: 0.25

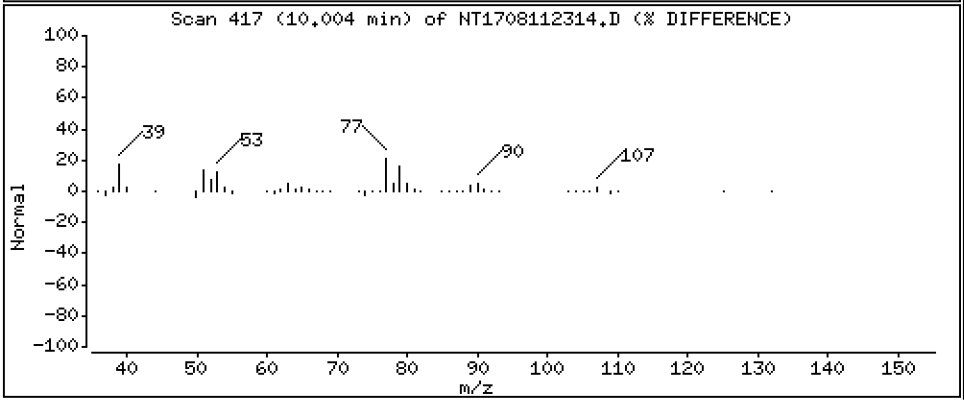
13 2-Methylphenol

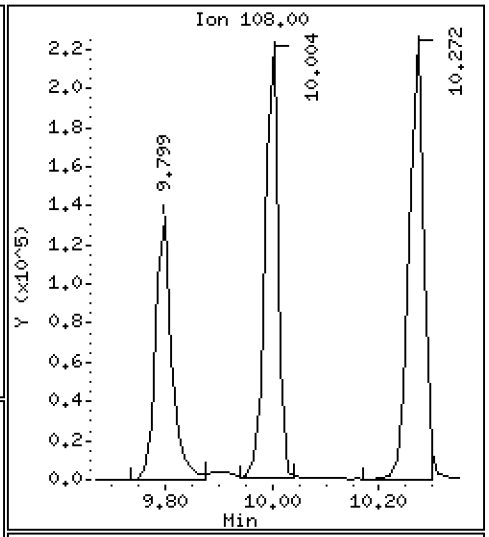
Concentration: 3.459 ug/mL

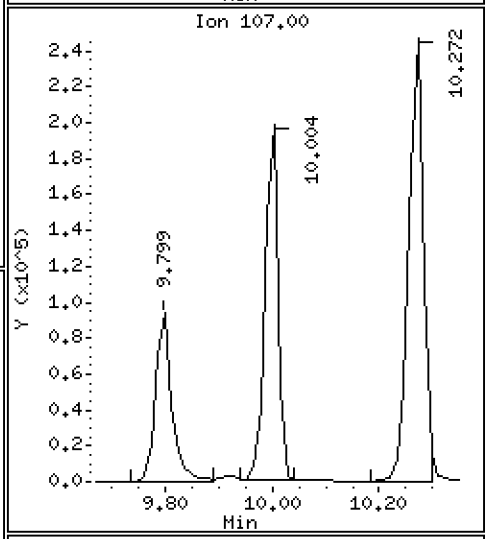


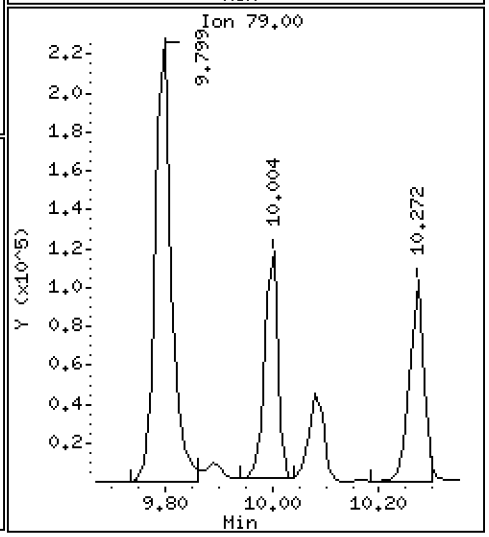












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

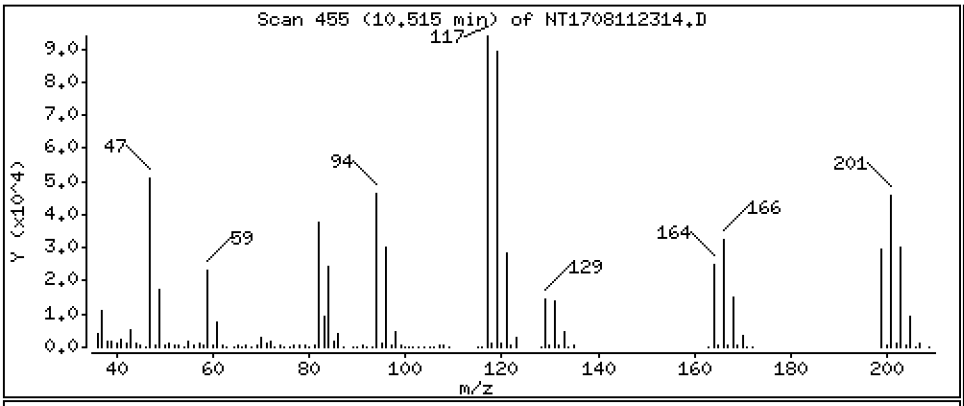
Operator: JGR

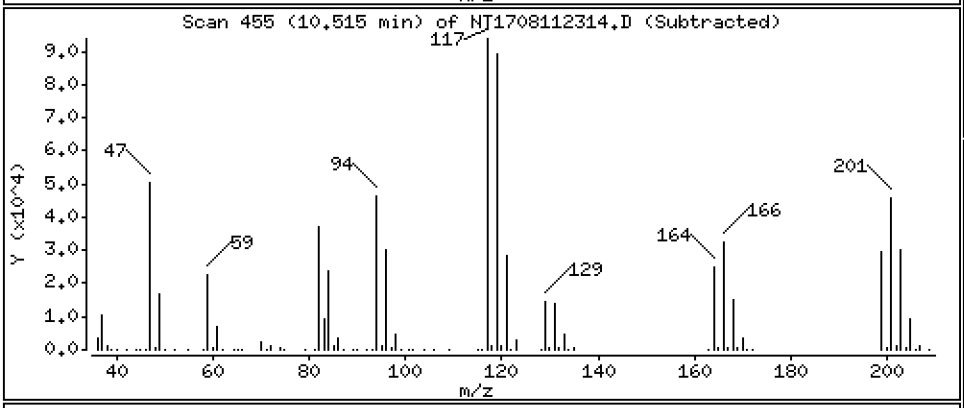
Column phase: ZB-5msi

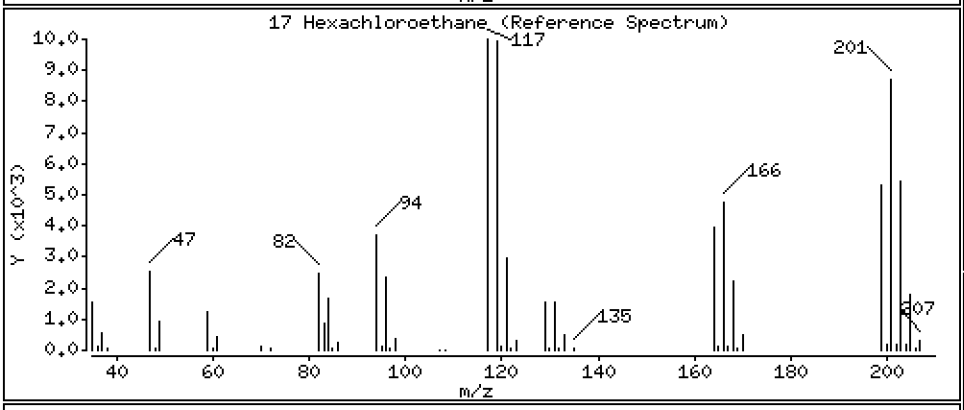
Column diameter: 0.25

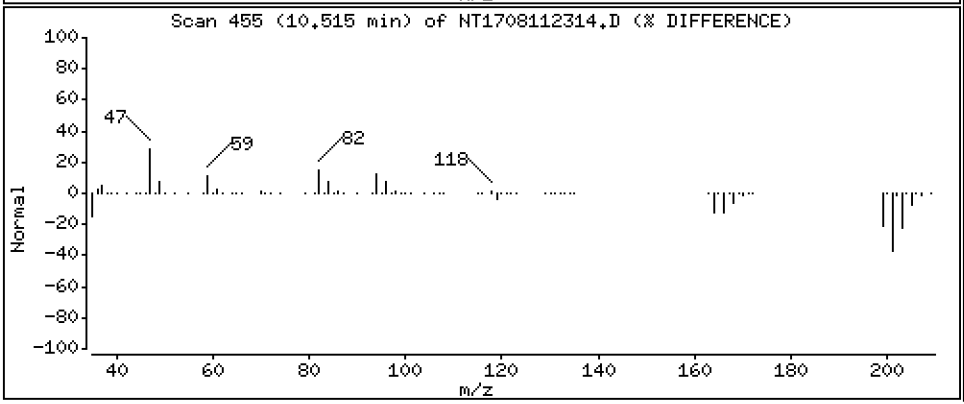
17 Hexachloroethane

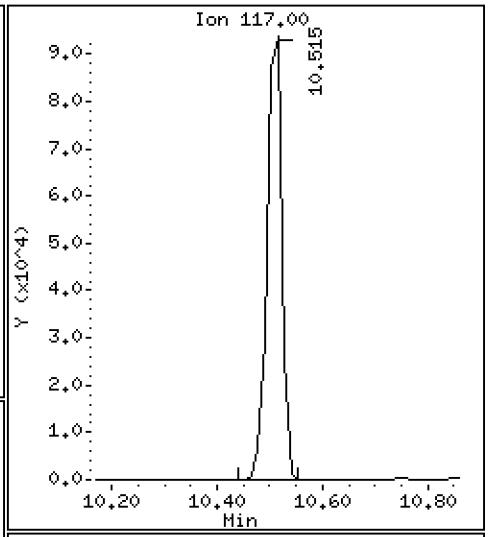
Concentration: 3.461 ug/mL

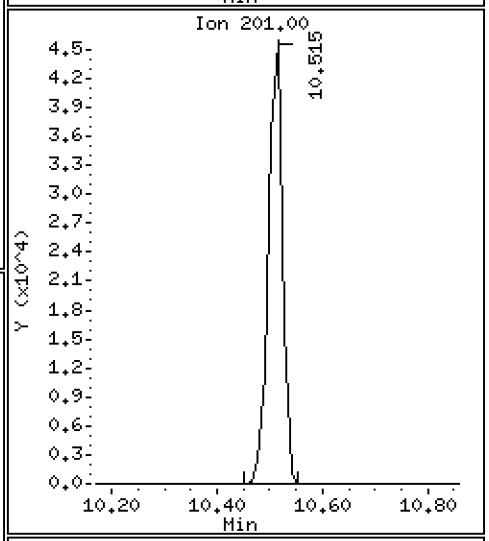


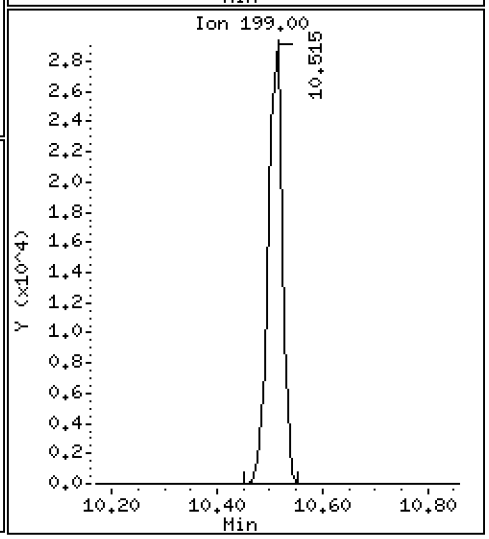












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

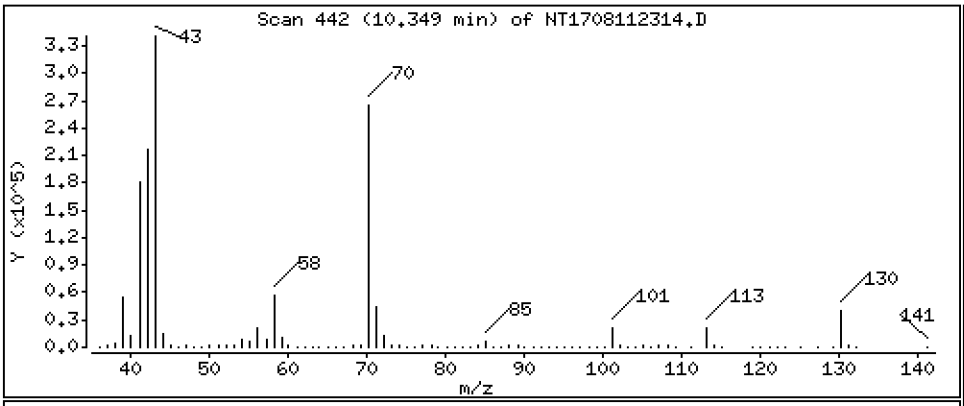
Operator: JGR

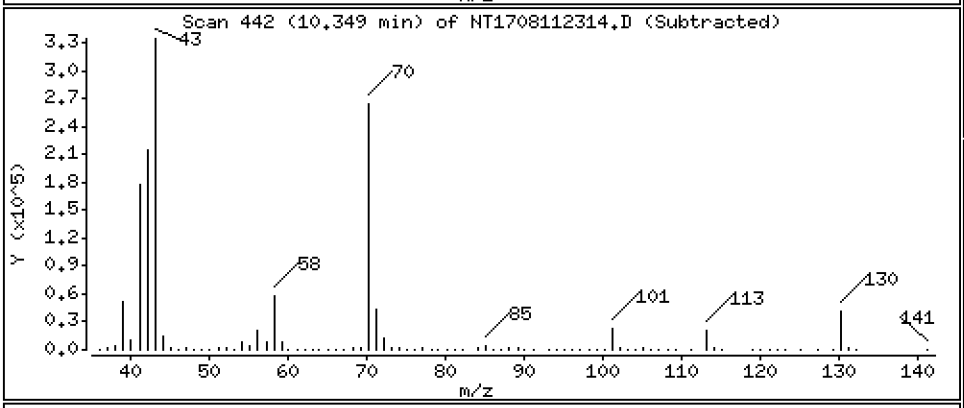
Column phase: ZB-5msi

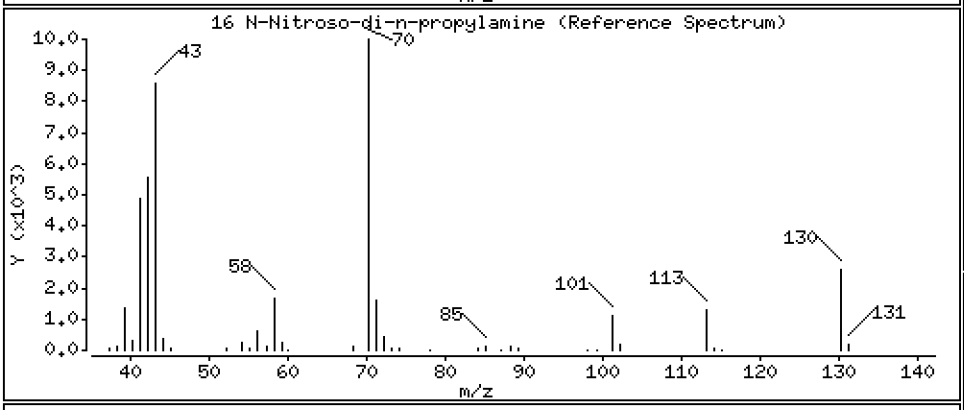
Column diameter: 0.25

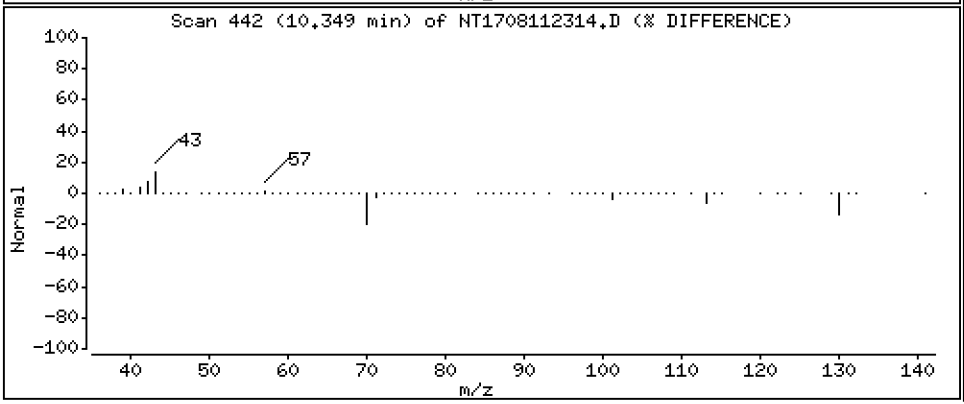
16 N-Nitroso-di-n-propylamine

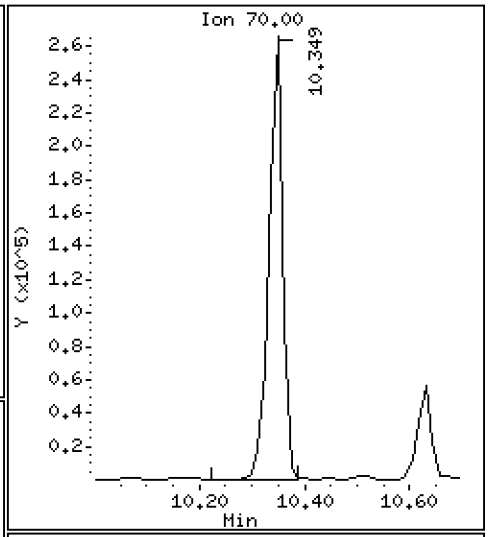
Concentration: 3.785 ug/mL

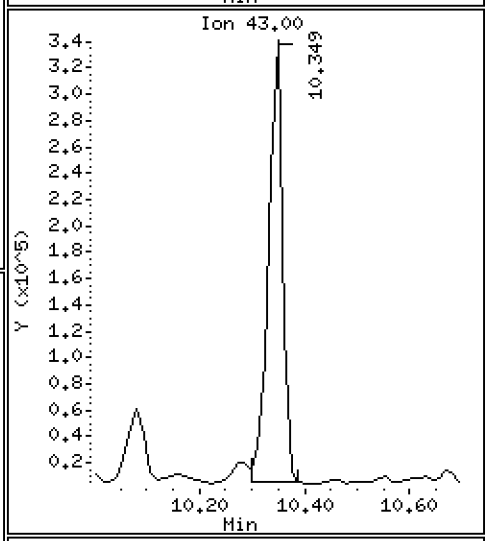


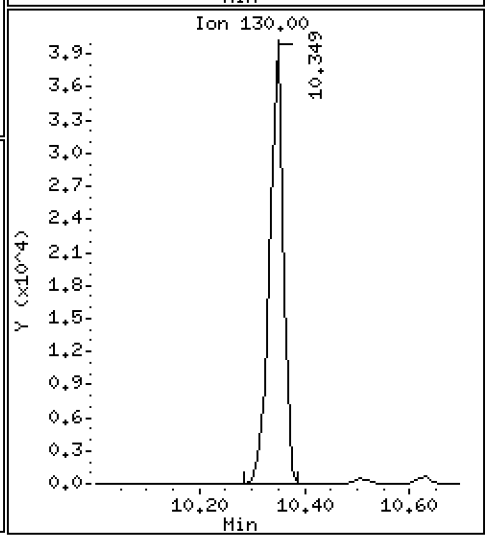












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

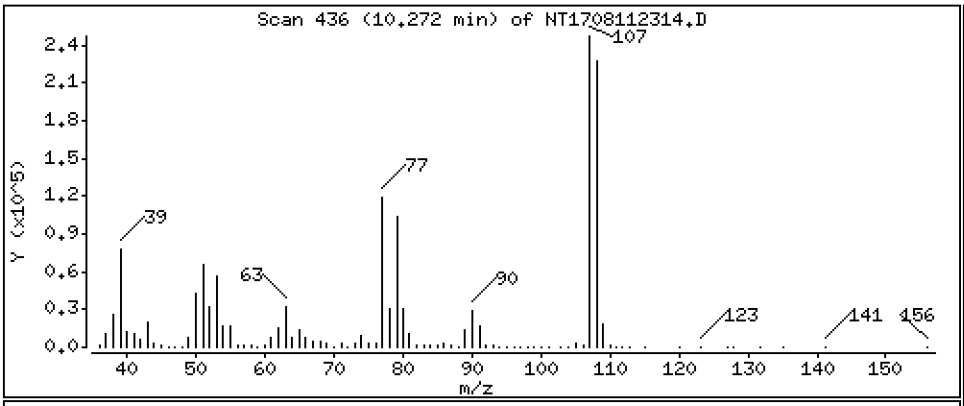
Operator: JGR

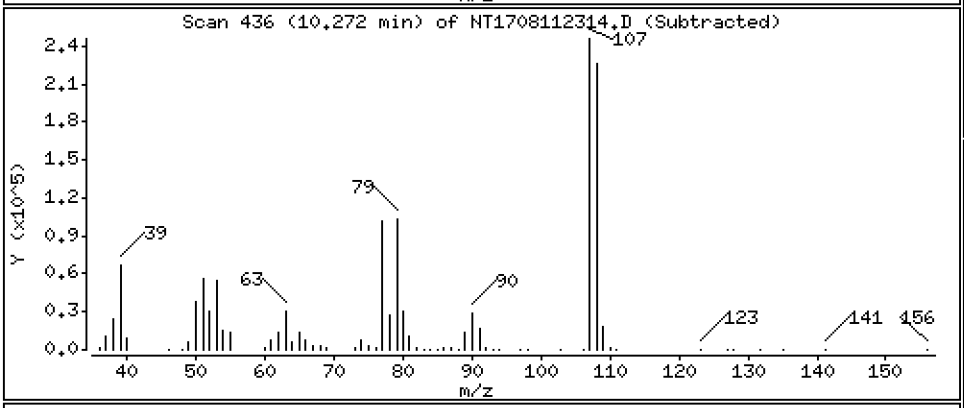
Column phase: ZB-5msi

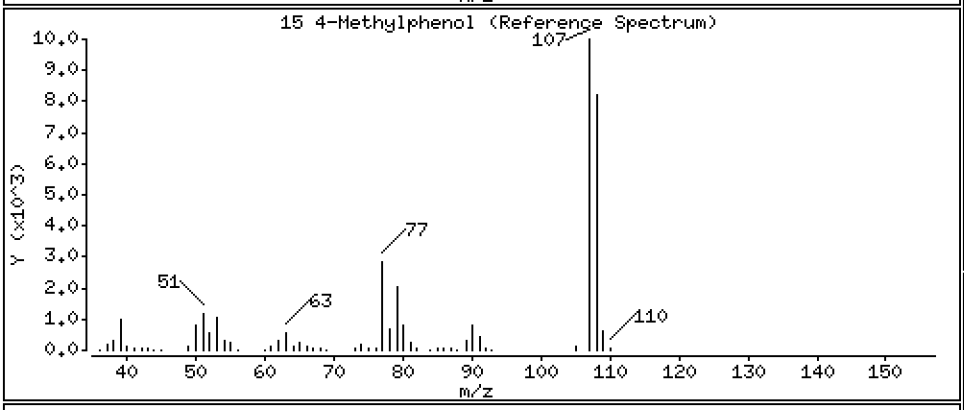
Column diameter: 0.25

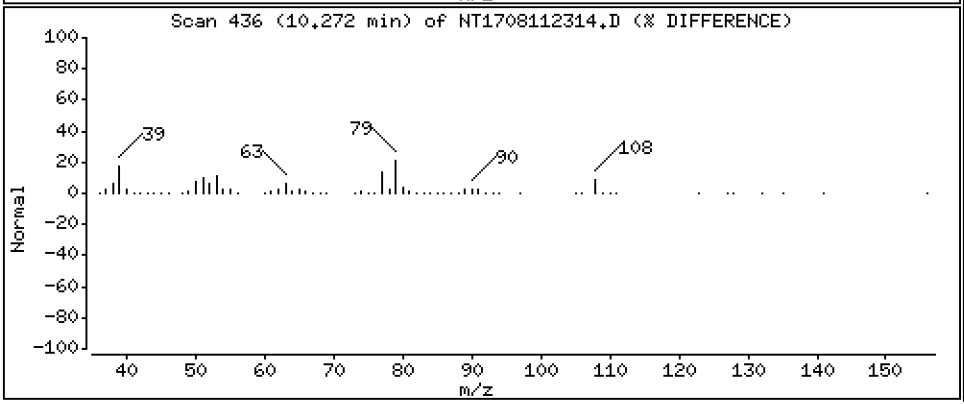
15 4-Methylphenol

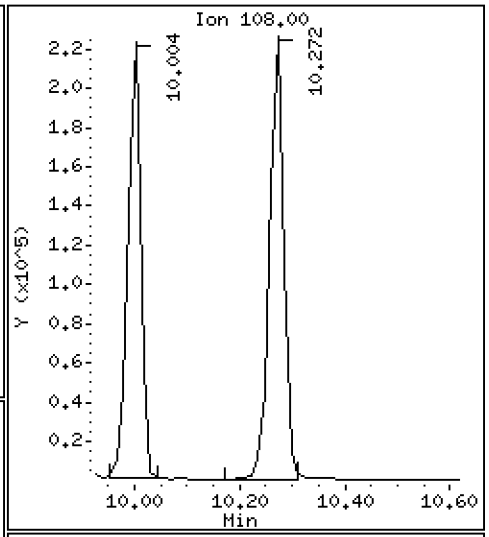
Concentration: 3.318 ug/mL

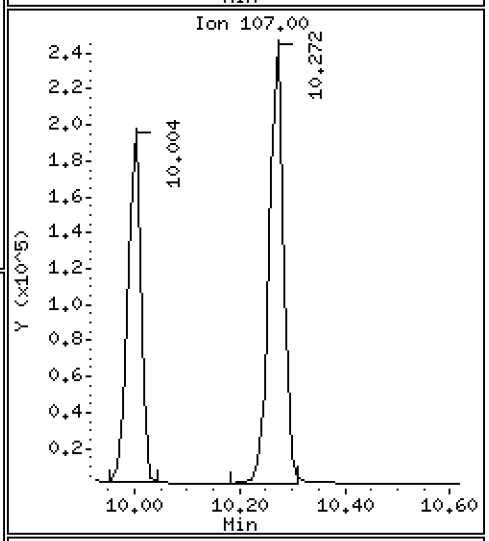


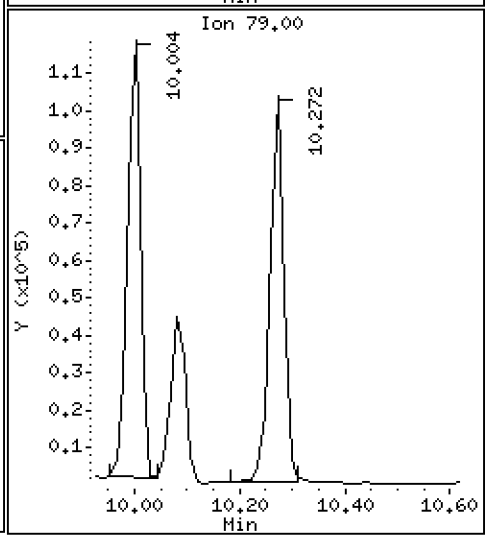












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

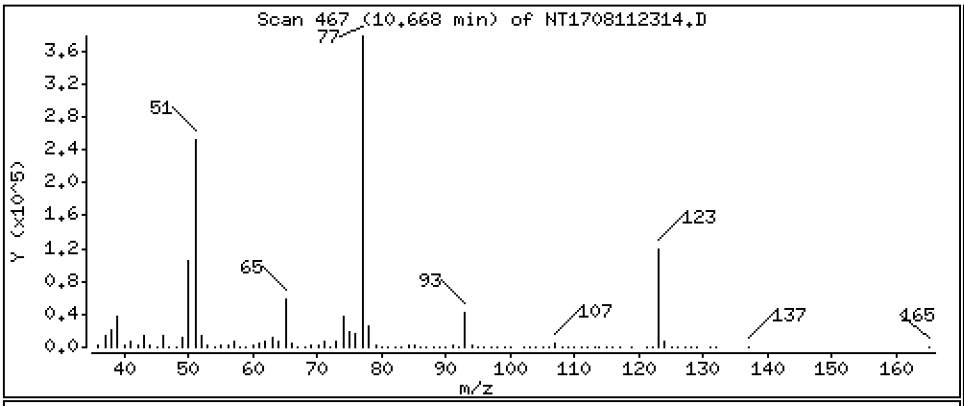
Operator: JGR

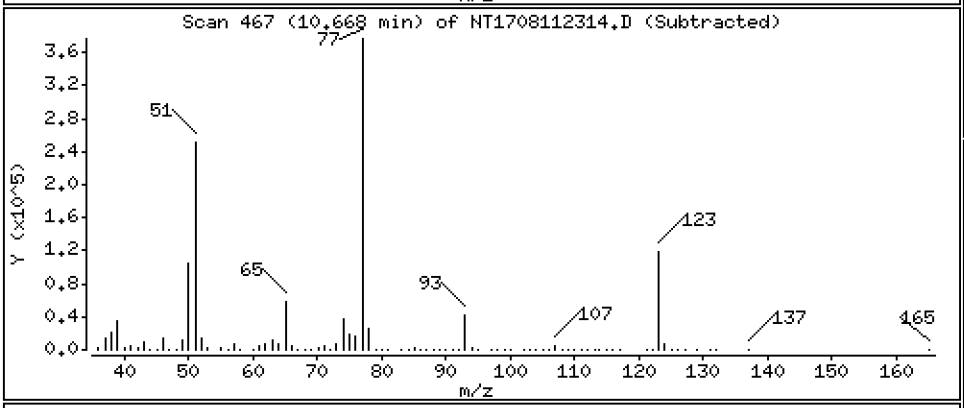
Column phase: ZB-5msi

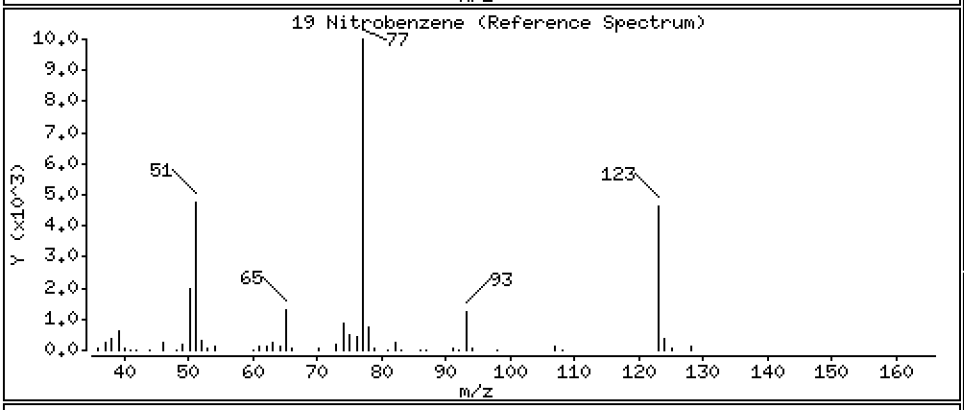
Column diameter: 0.25

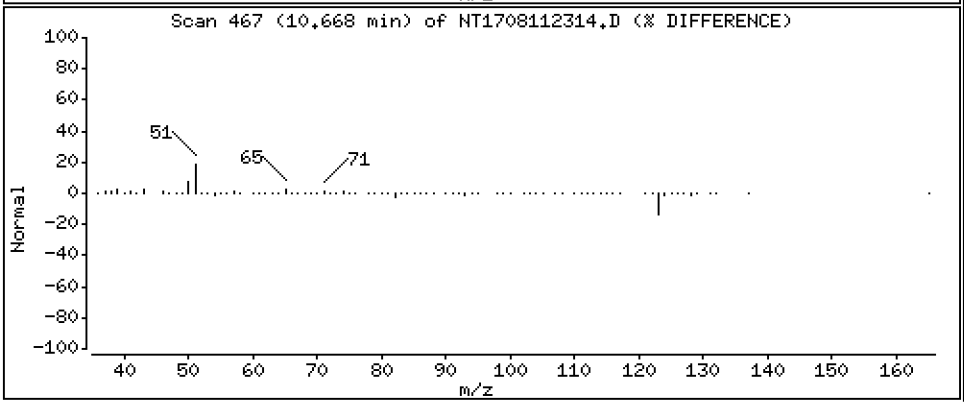
19 Nitrobenzene

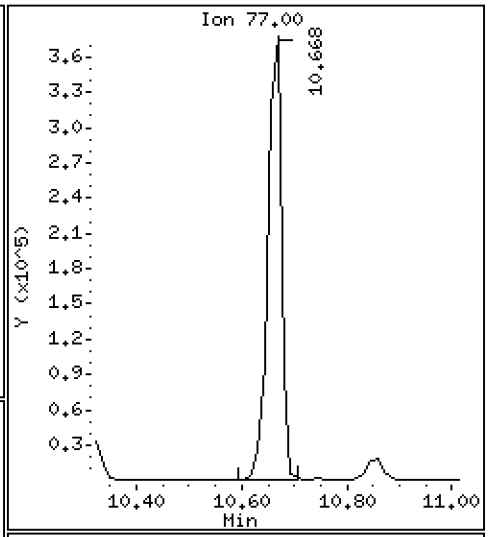
Concentration: 3.867 ug/mL

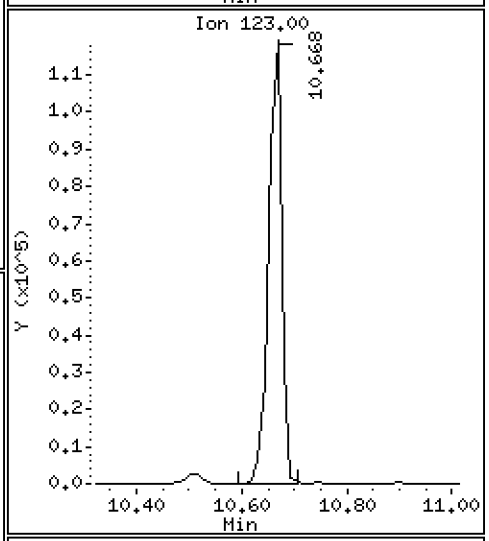


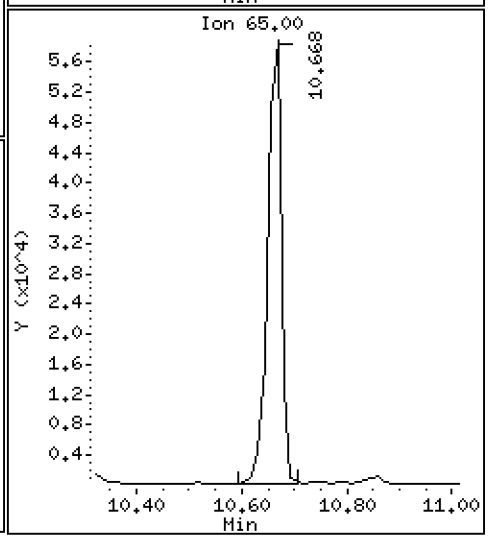












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

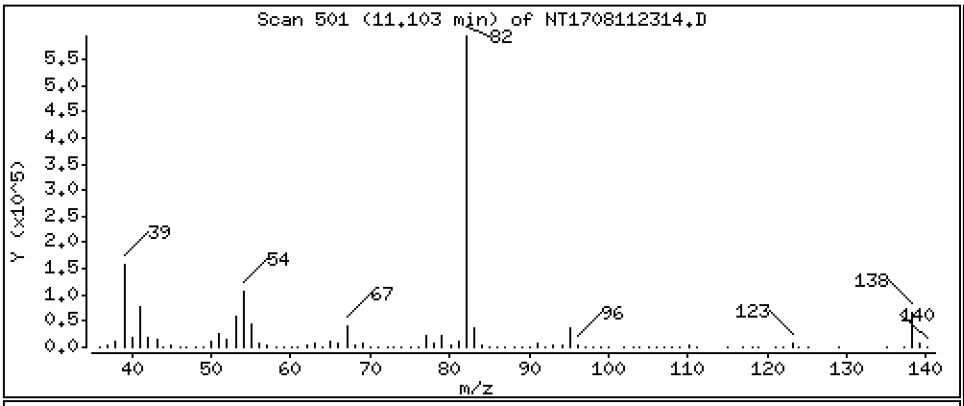
Operator: JGR

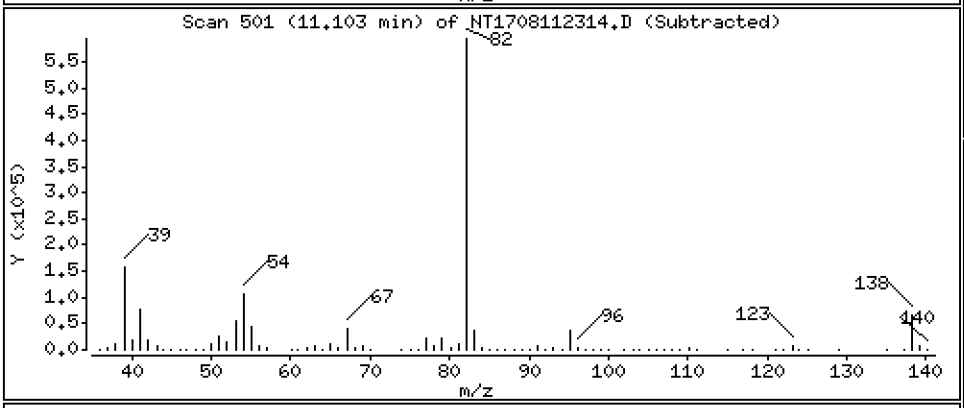
Column phase: ZB-5msi

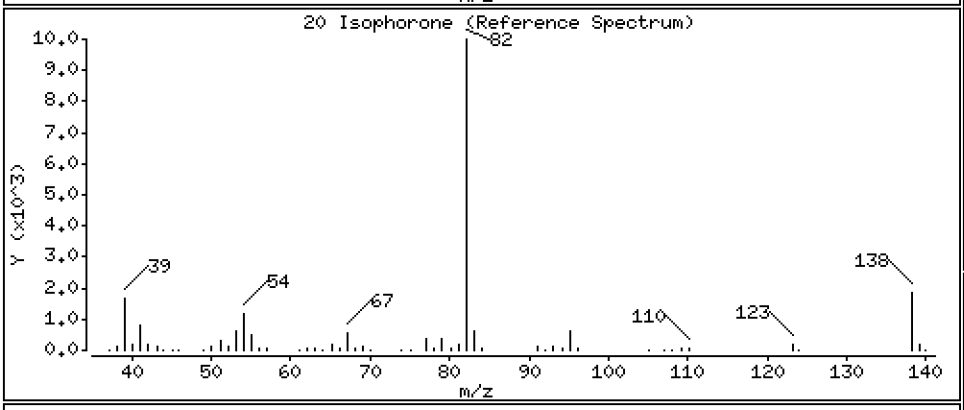
Column diameter: 0.25

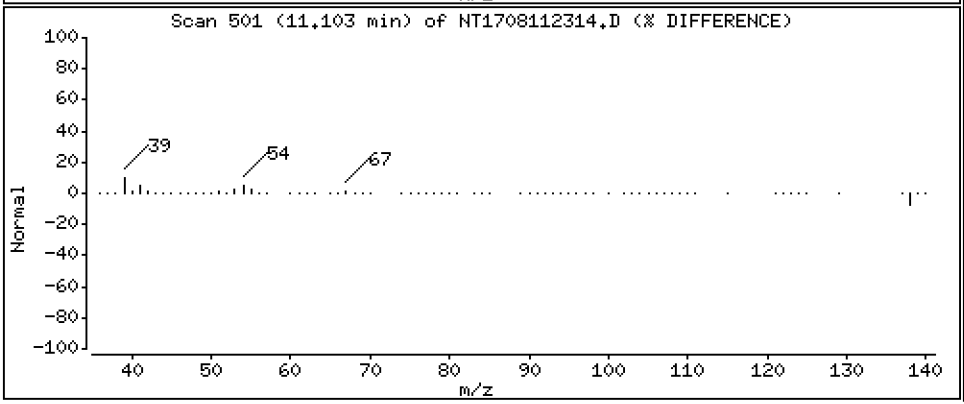
20 Isophorone

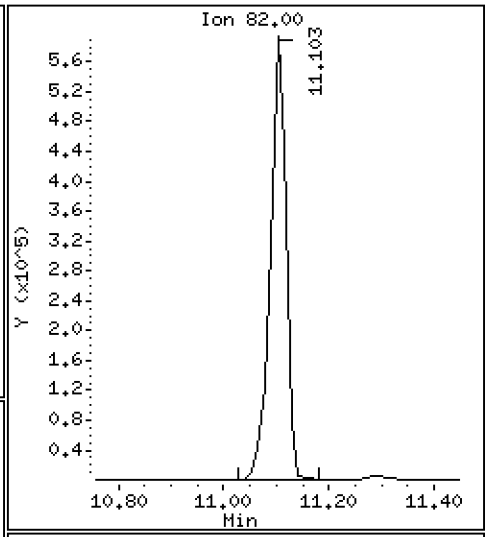
Concentration: 5.281 ug/mL

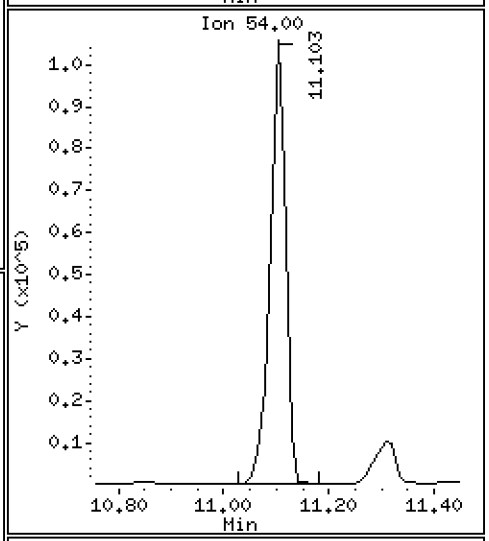


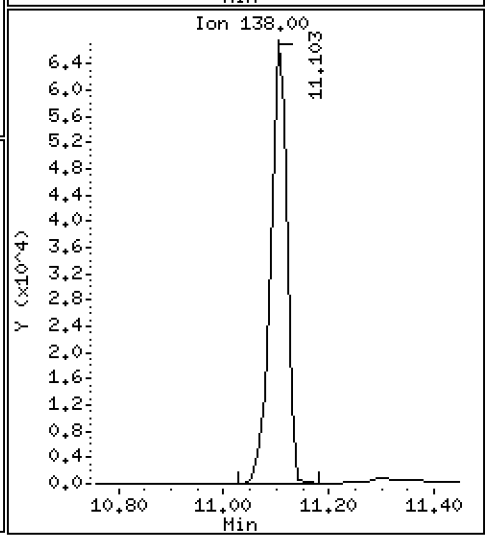












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

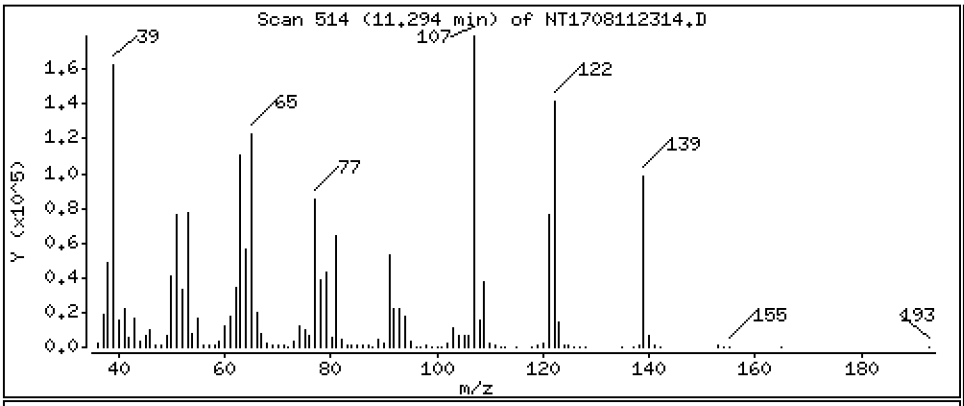
Operator: JGR

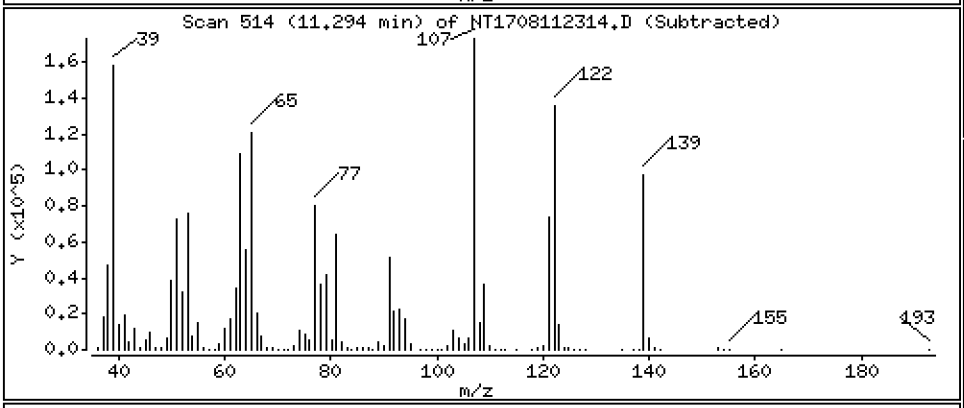
Column phase: ZB-5msi

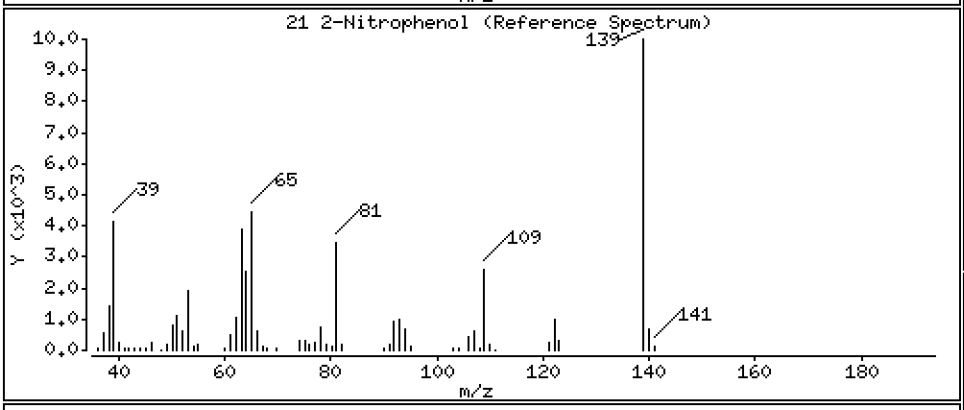
Column diameter: 0.25

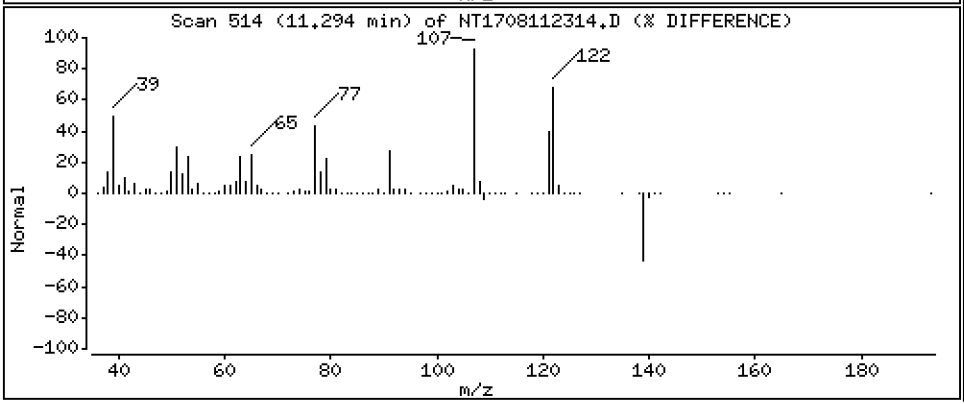
21 2-Nitrophenol

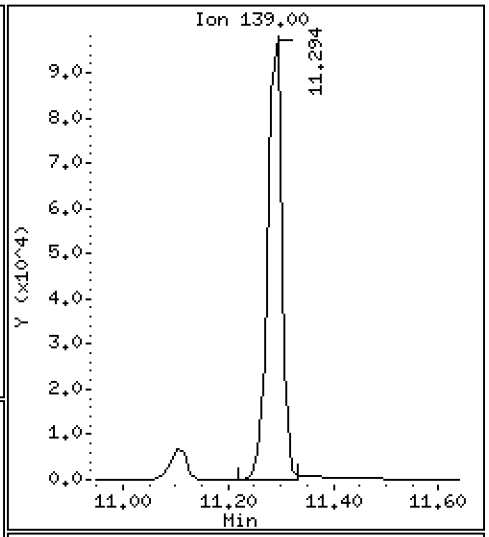
Concentration: 3.426 ug/mL

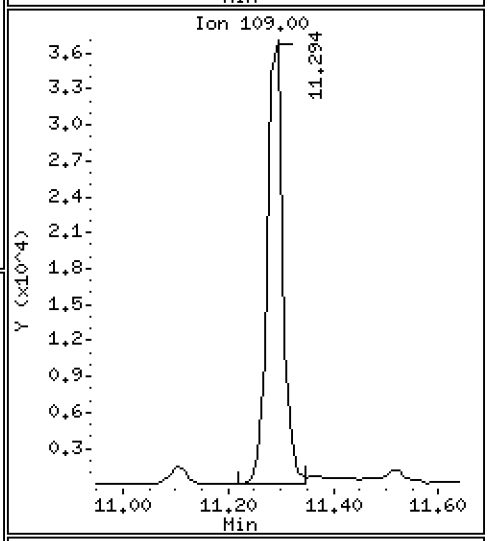


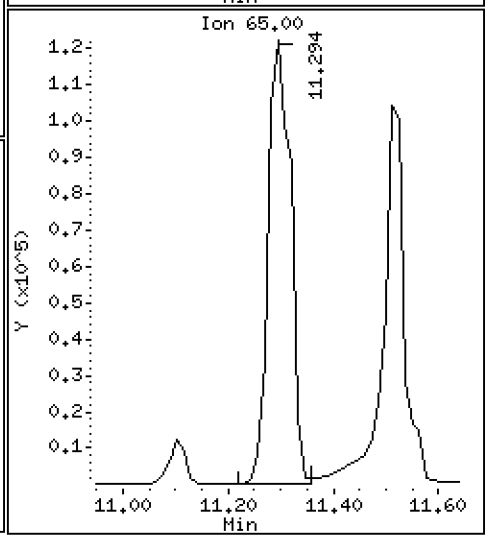












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

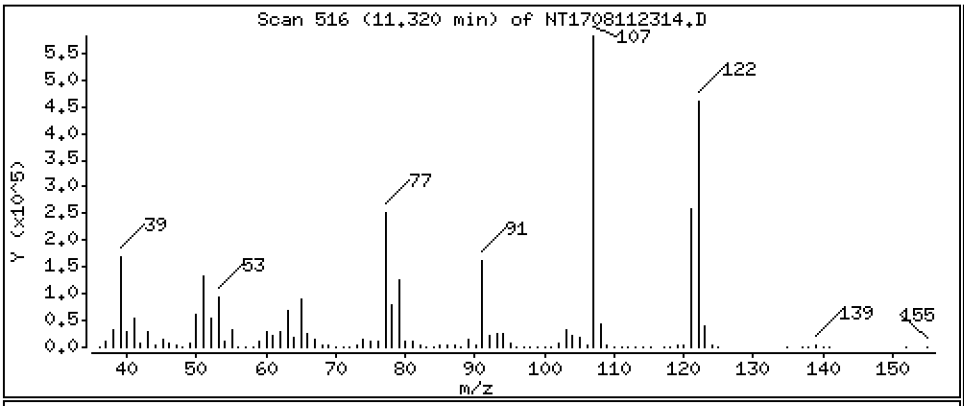
Operator: JGR

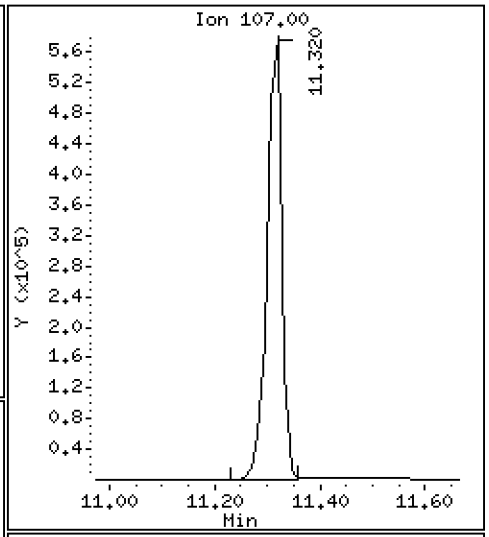
Column phase: ZB-5msi

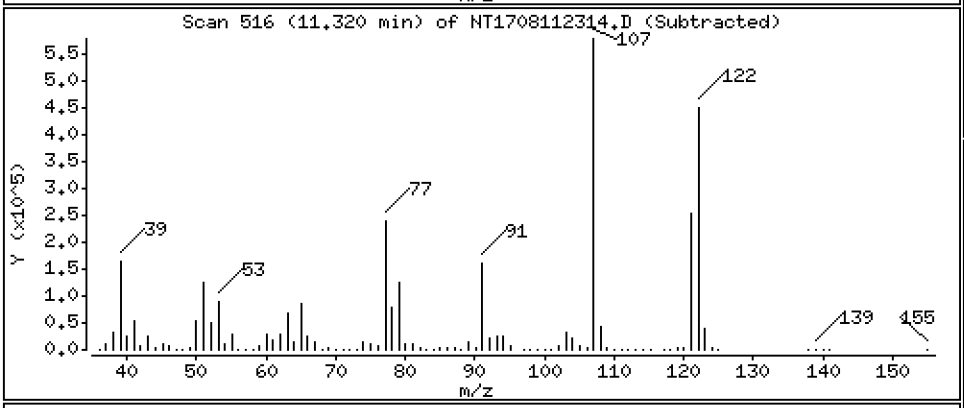
Column diameter: 0.25

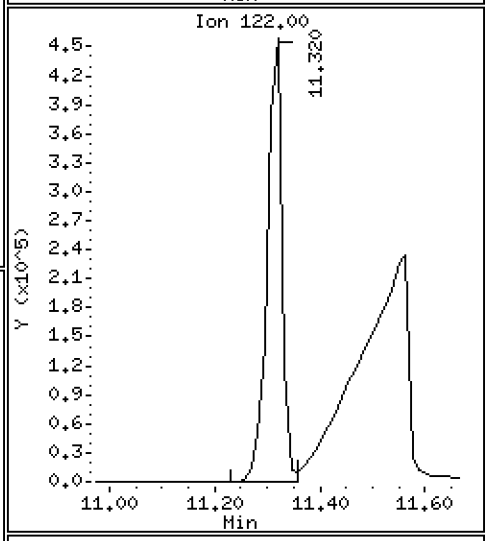
22 2,4-Dimethylphenol

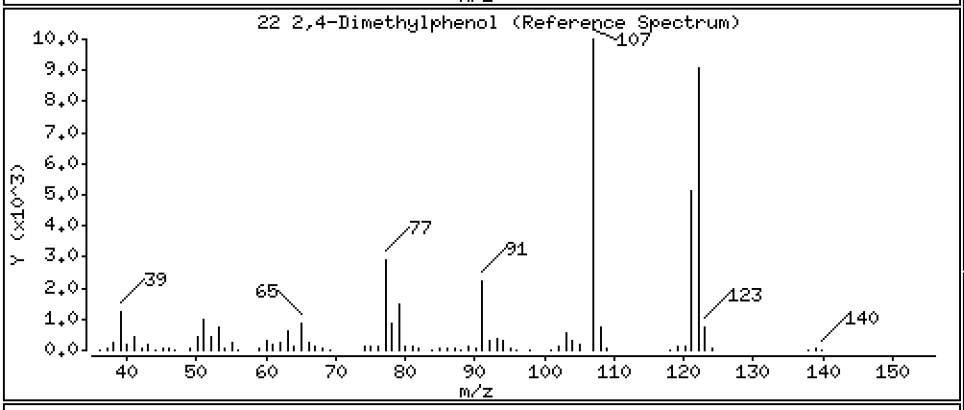
Concentration: 9.124 ug/mL

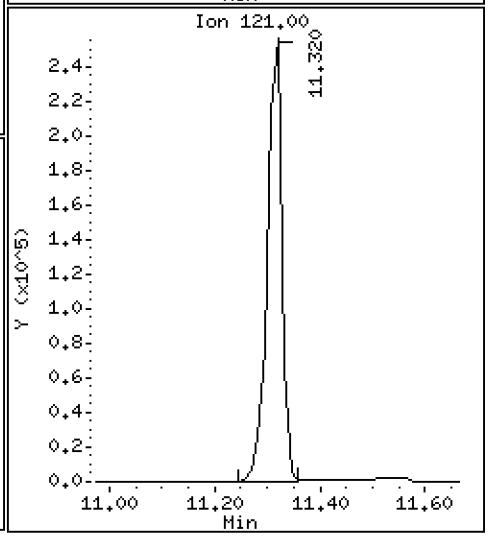


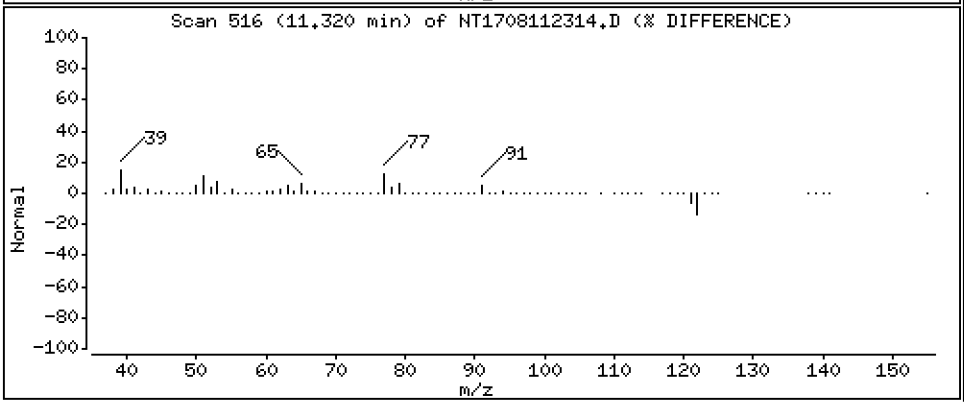












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

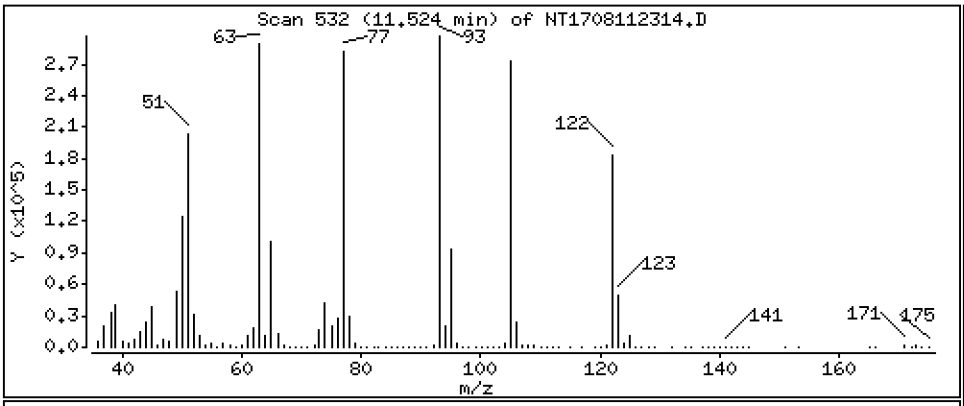
Operator: JGR

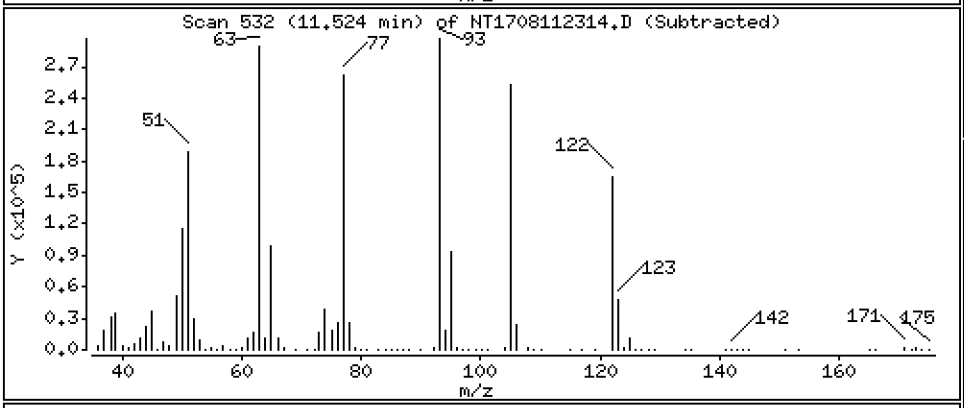
Column phase: ZB-5msi

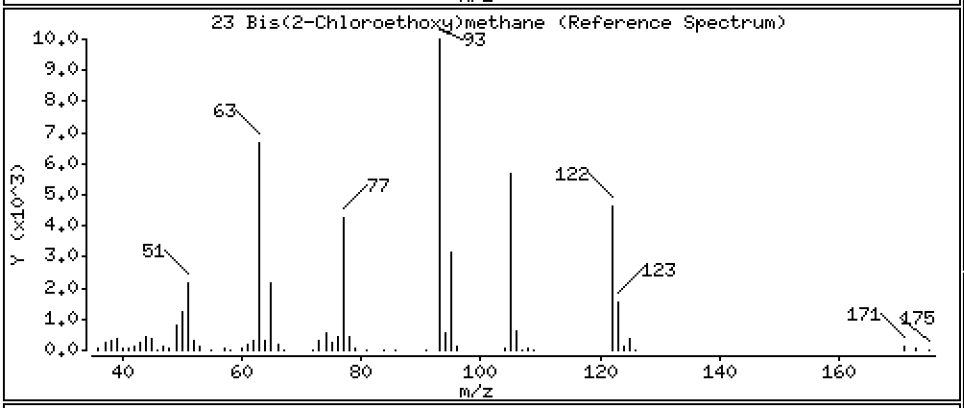
Column diameter: 0.25

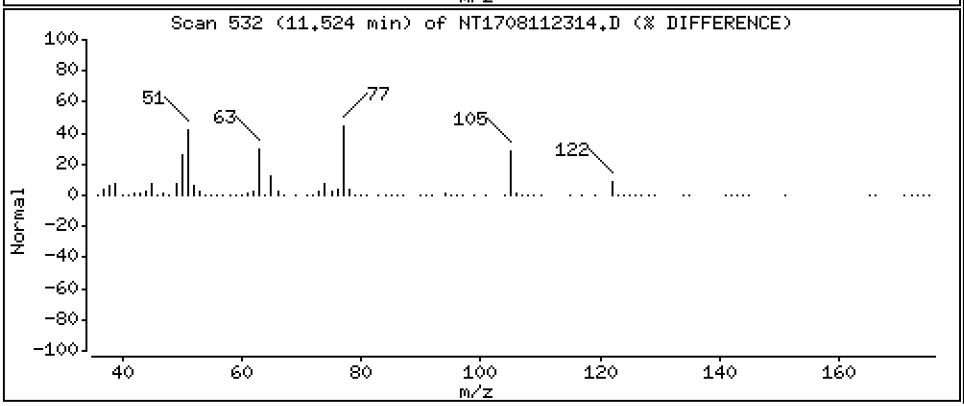
23 Bis(2-Chloroethoxy)methane

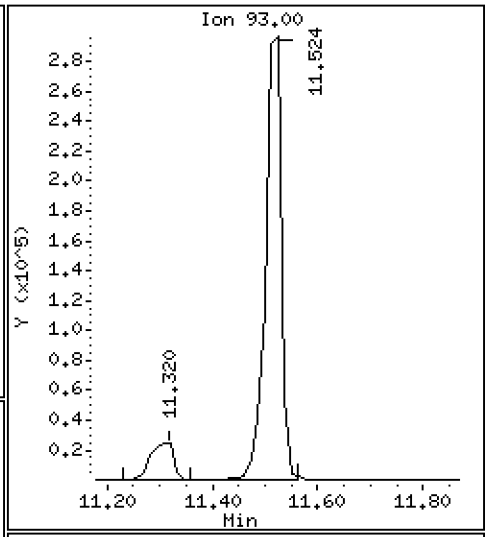
Concentration: 4.270 ug/mL

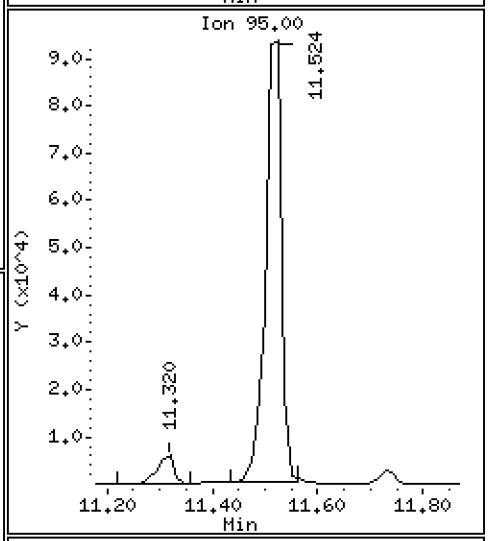


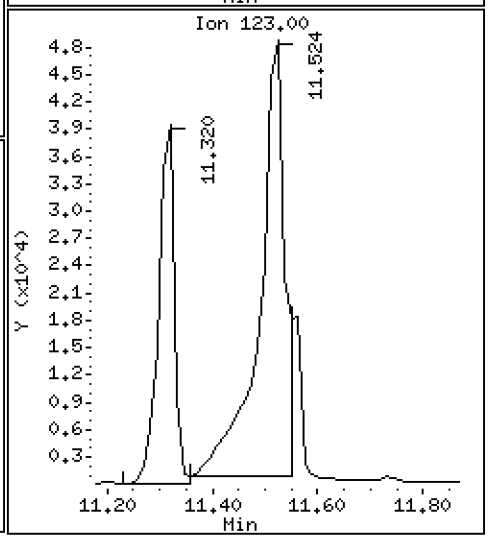












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

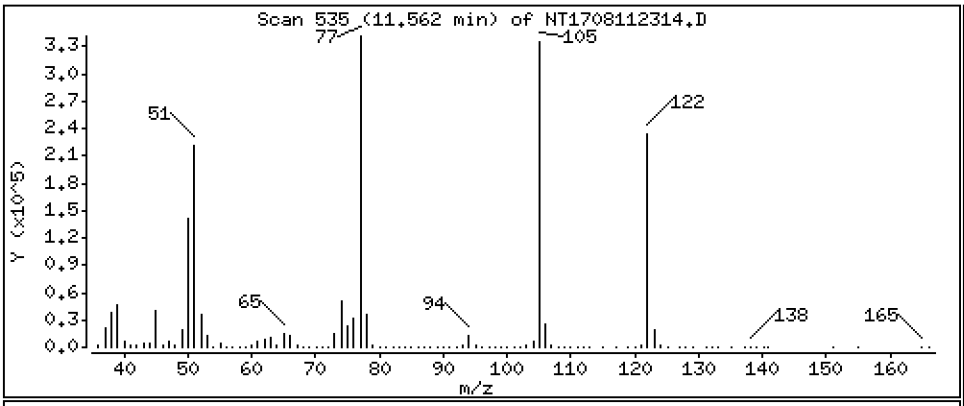
Operator: JGR

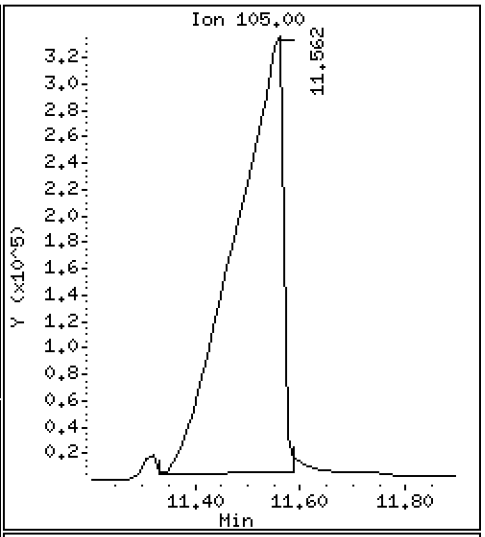
Column phase: ZB-5msi

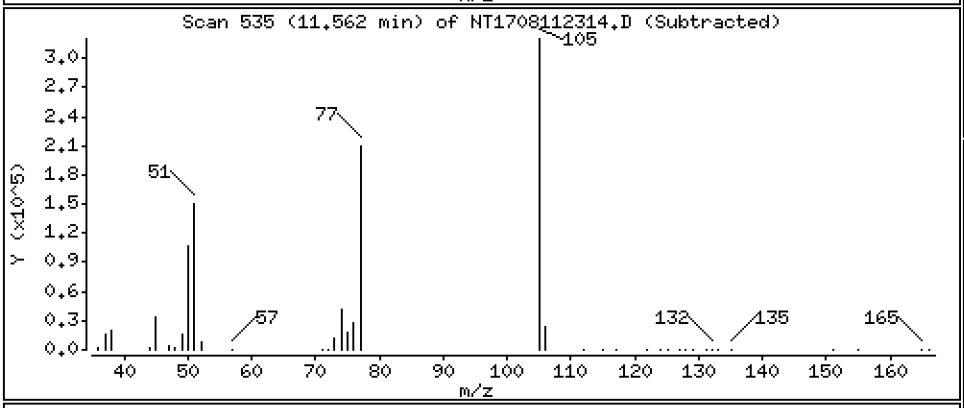
Column diameter: 0.25

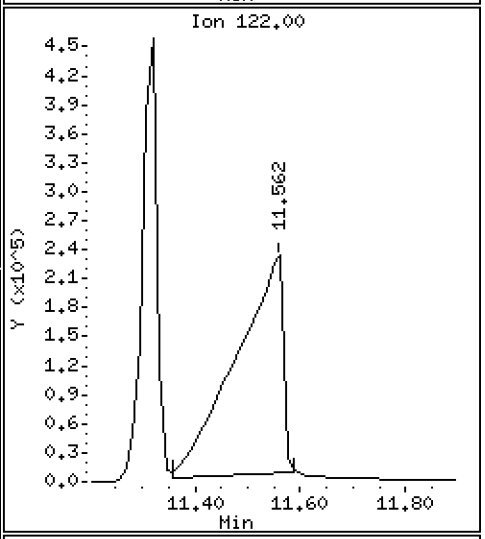
24 Benzoic acid

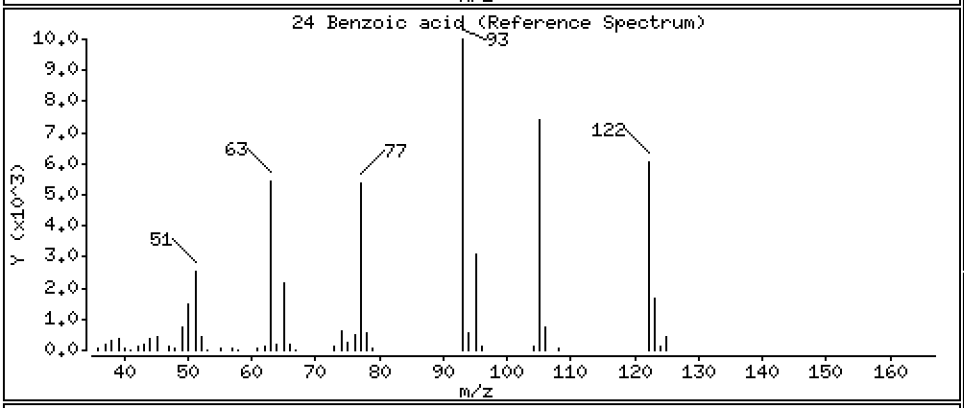
Concentration: 19.51 ug/mL

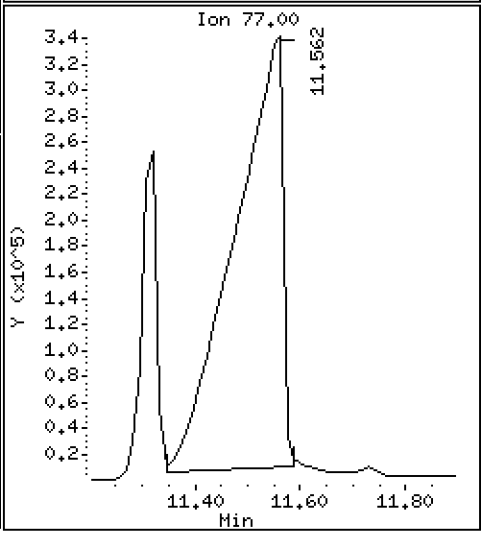


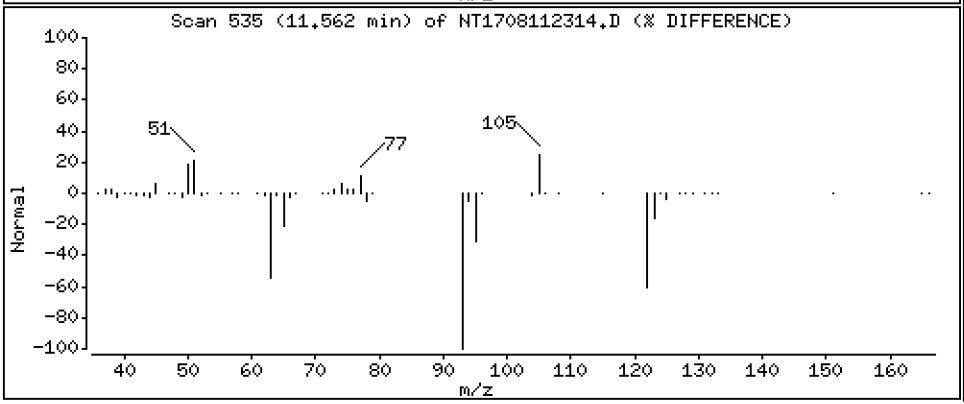












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

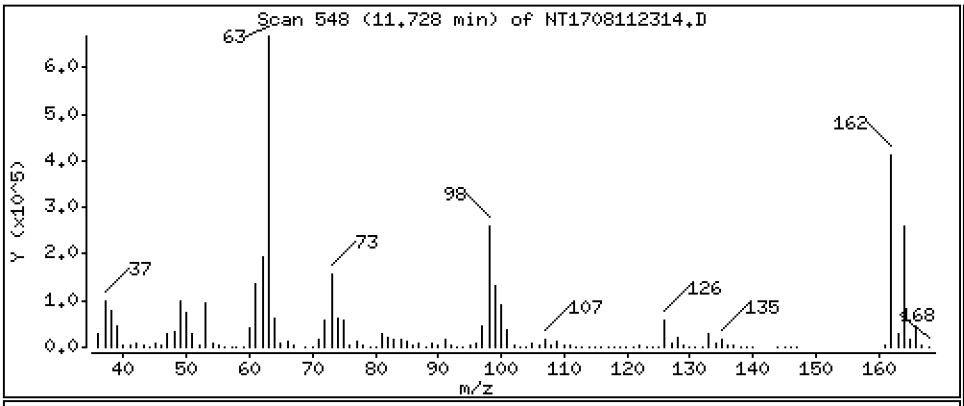
Operator: JGR

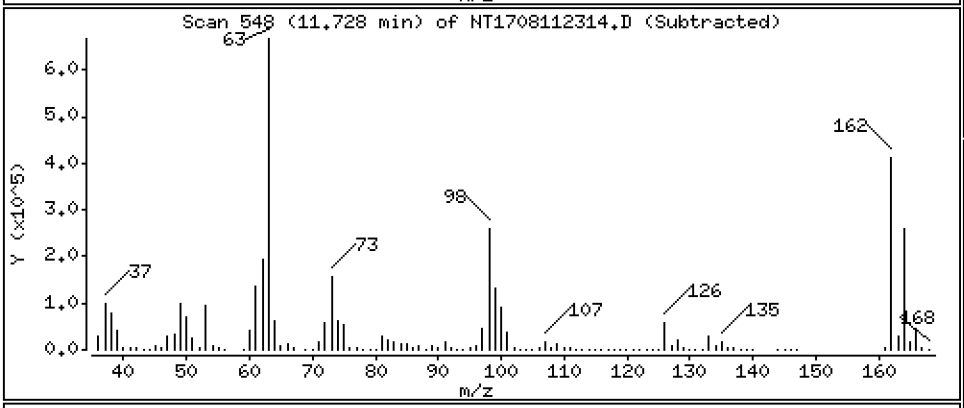
Column phase: ZB-5msi

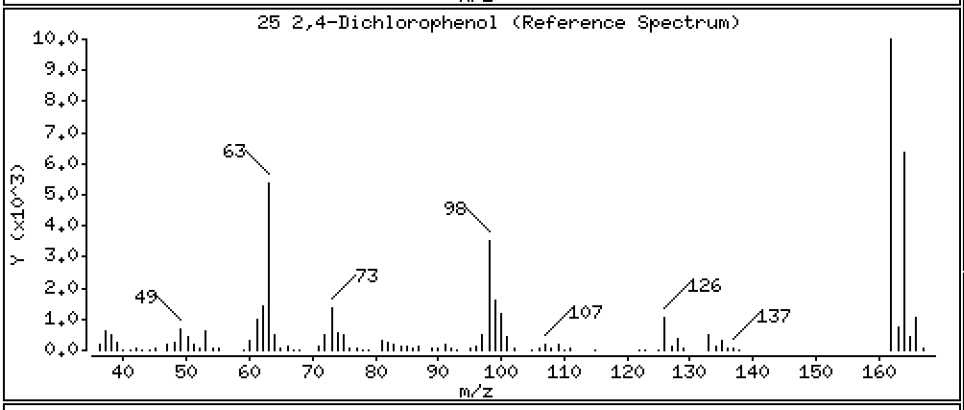
Column diameter: 0.25

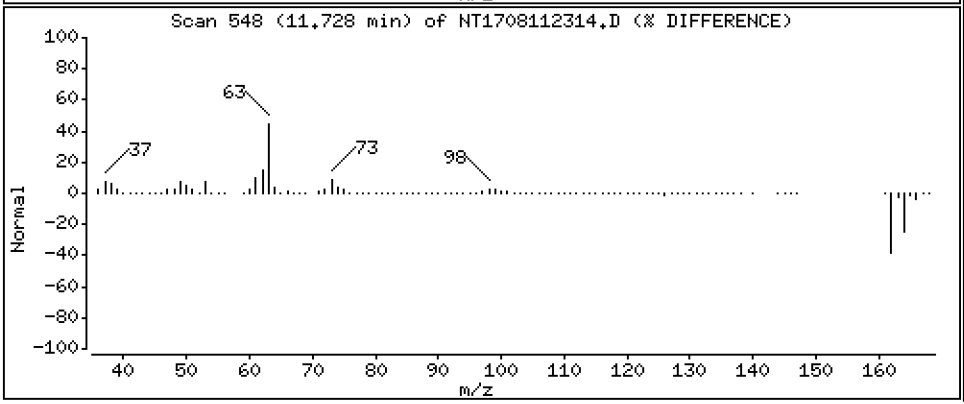
25 2,4-Dichlorophenol

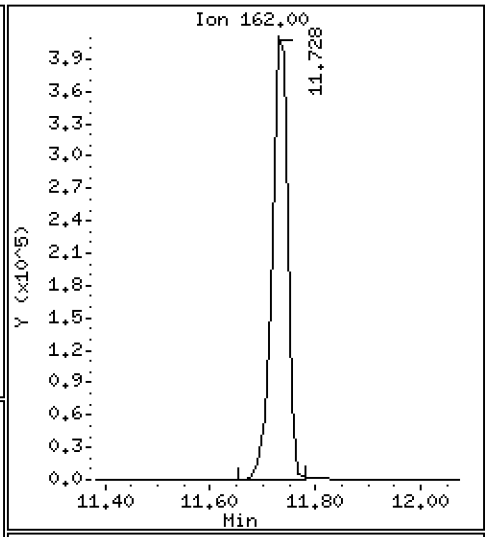
Concentration: 12.90 ug/mL

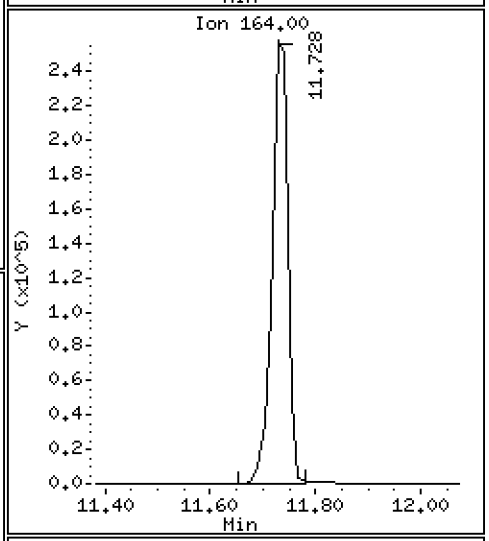


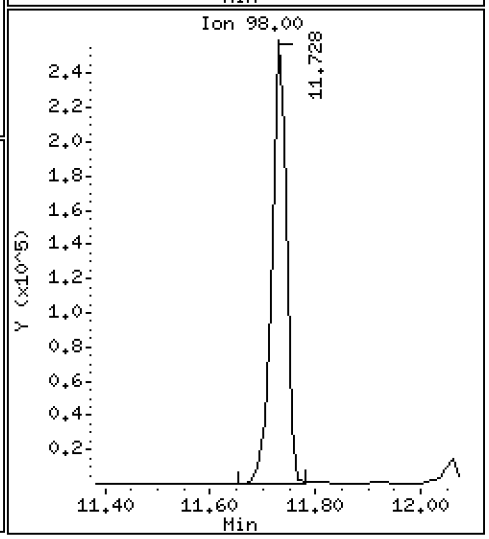












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

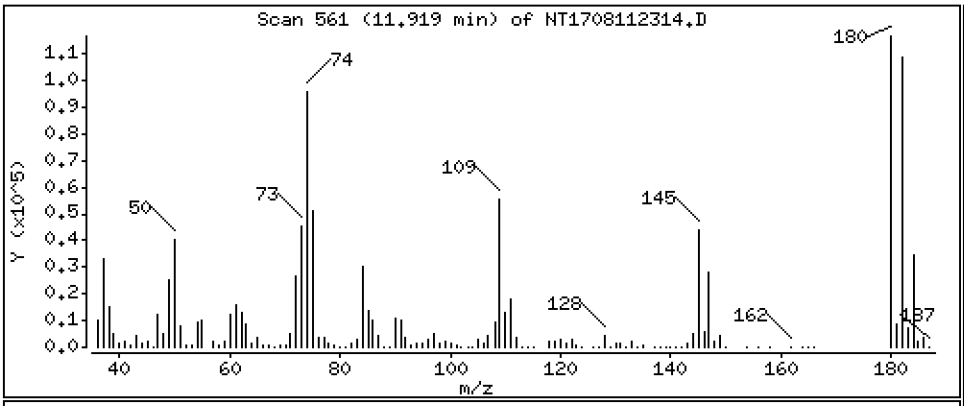
Operator: JGR

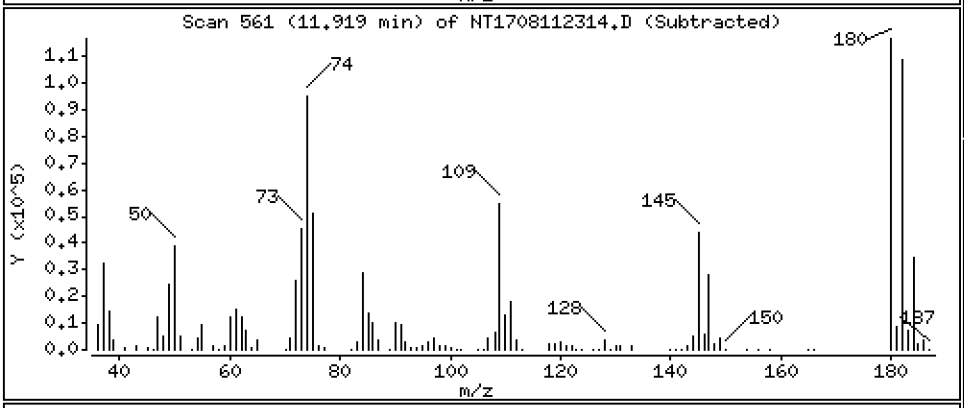
Column phase: ZB-5msi

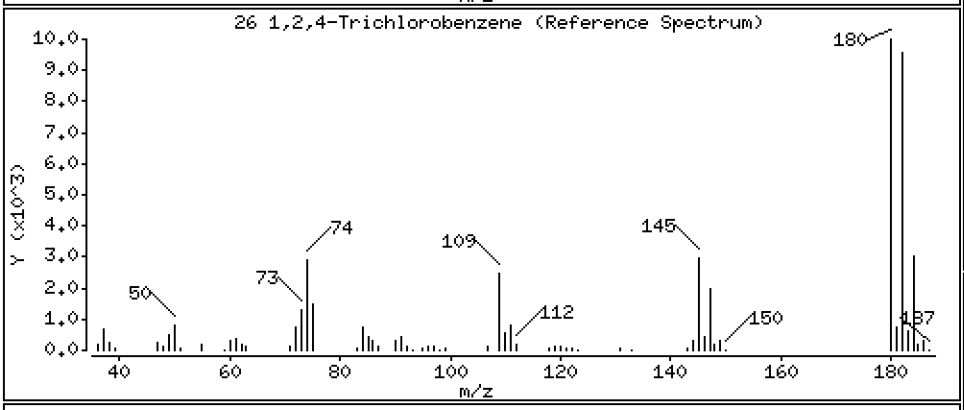
Column diameter: 0.25

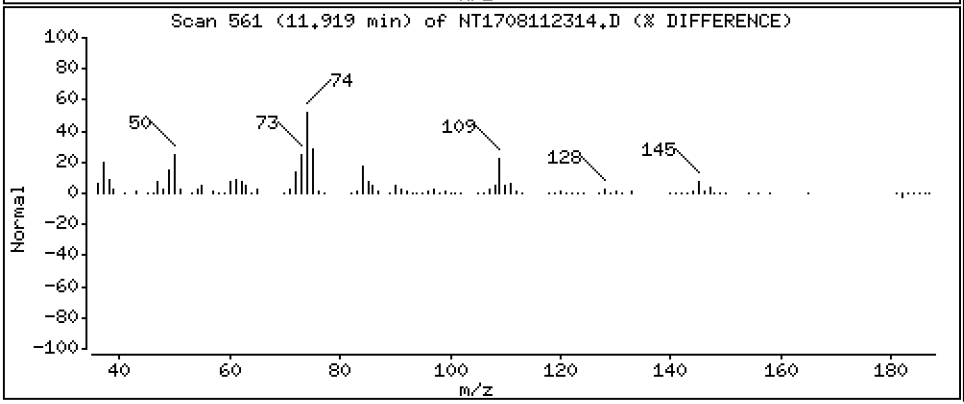
26 1,2,4-Trichlorobenzene

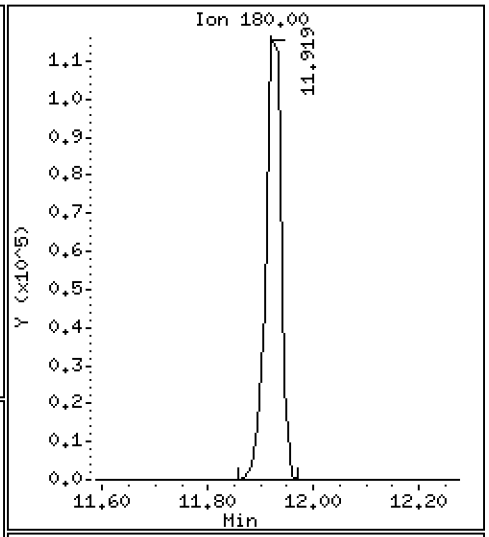
Concentration: 3.264 ug/mL

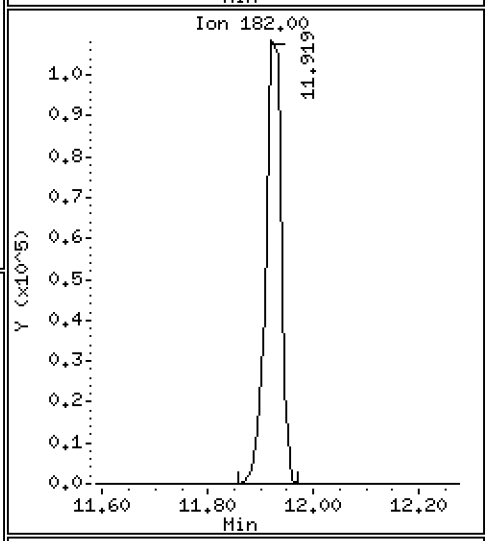


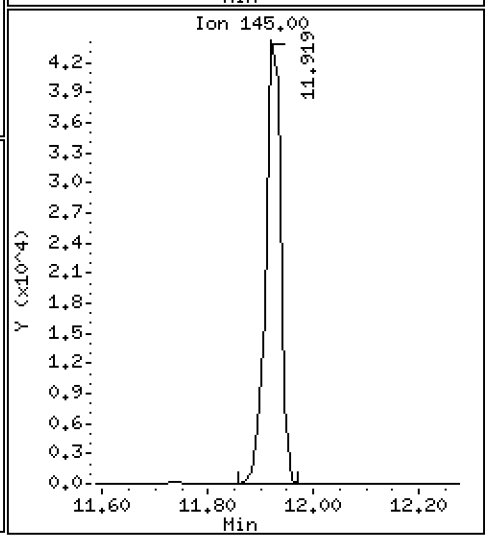












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

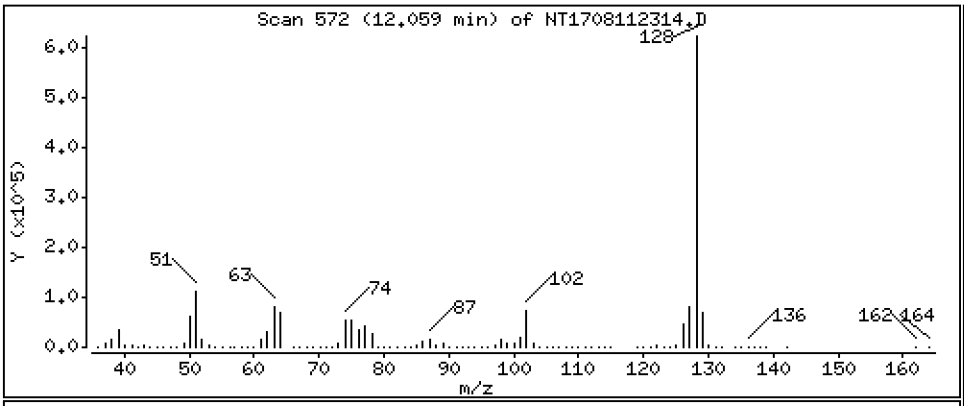
Operator: JGR

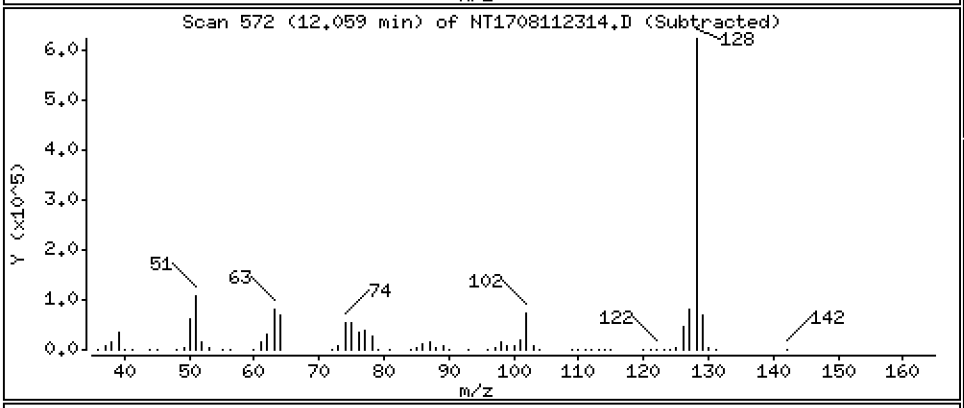
Column phase: ZB-5msi

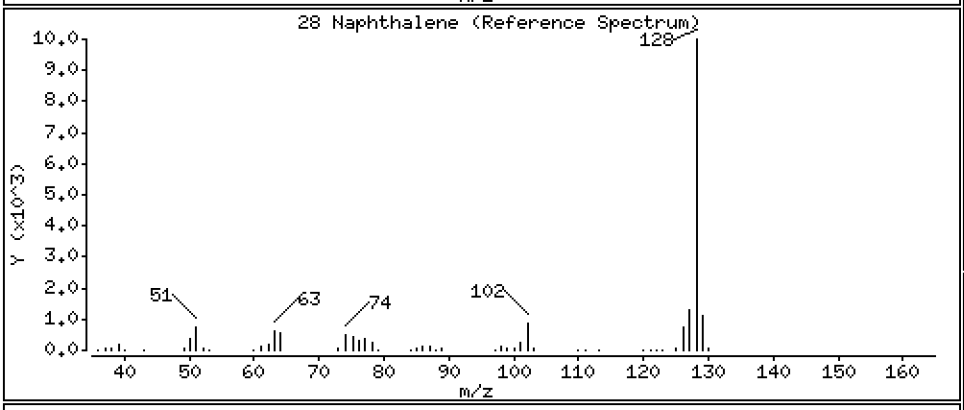
Column diameter: 0.25

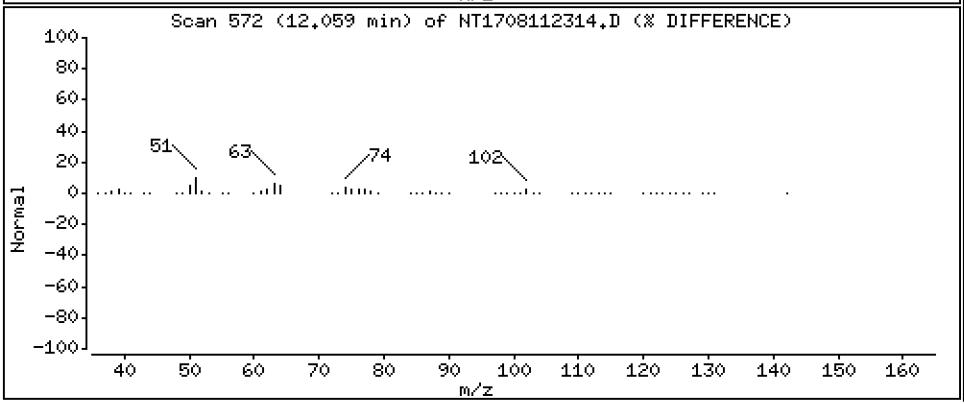
28 Naphthalene

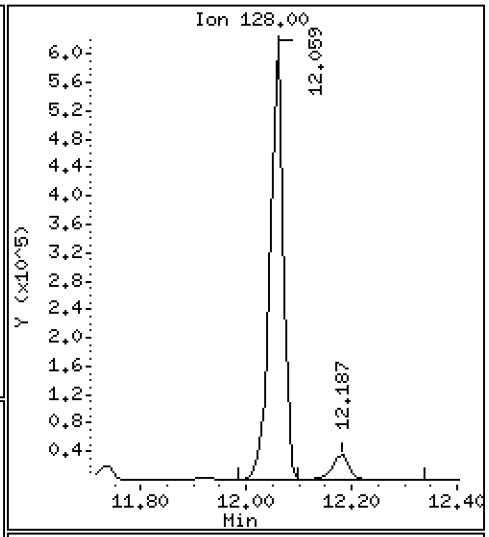
Concentration: 3.655 ug/mL

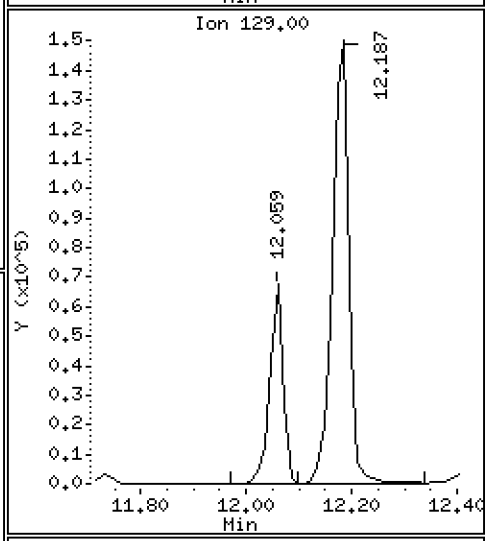


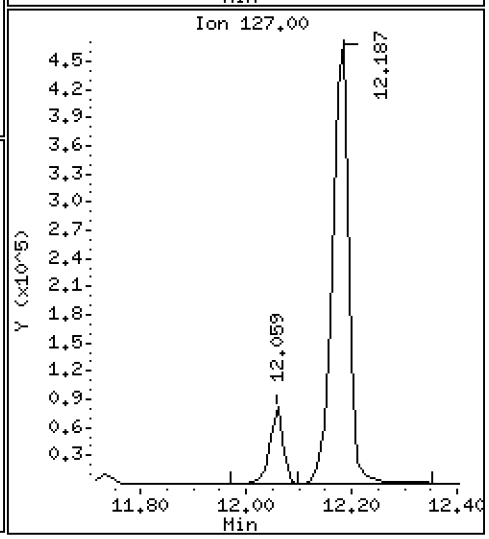












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

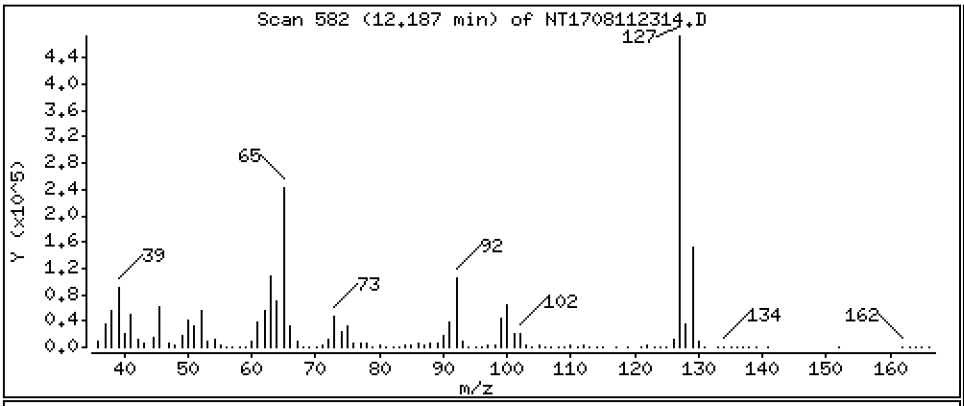
Operator: JGR

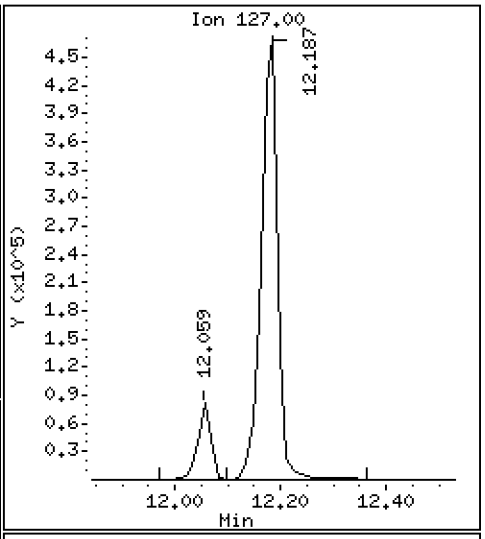
Column phase: ZB-5msi

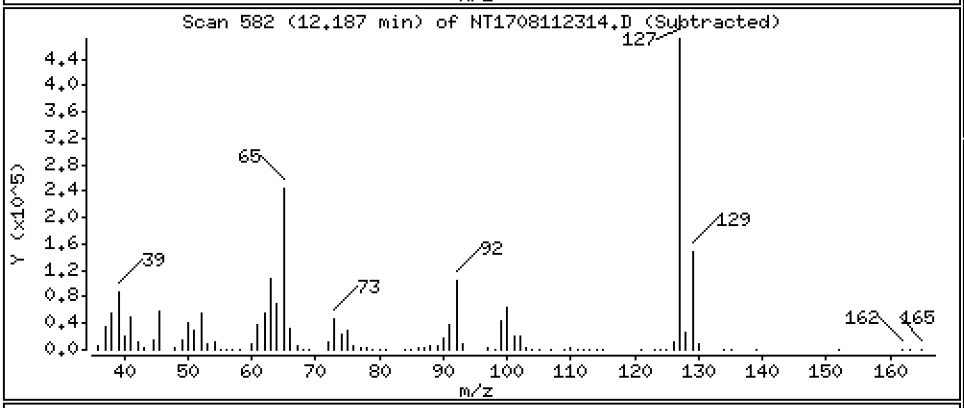
Column diameter: 0.25

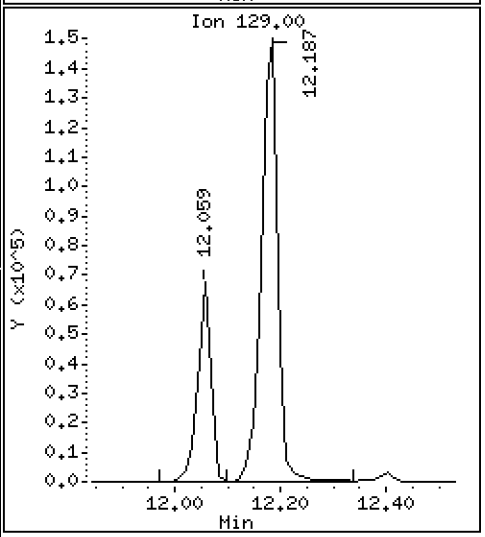
29 4-Chloroaniline

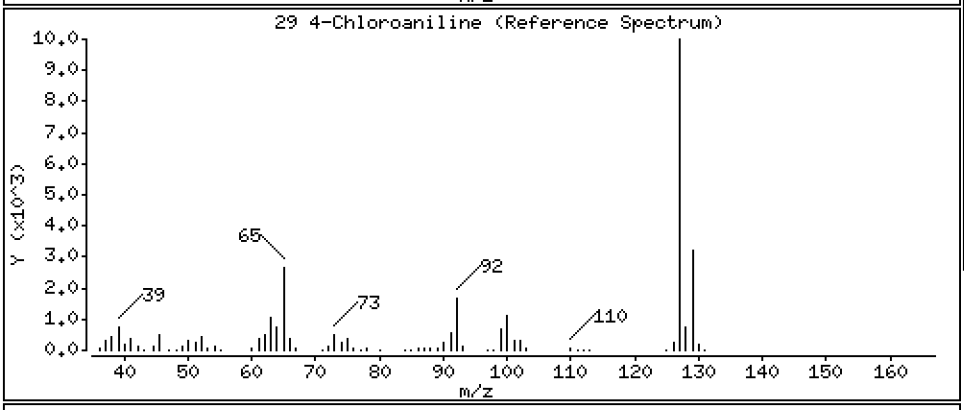
Concentration: 8.339 ug/mL

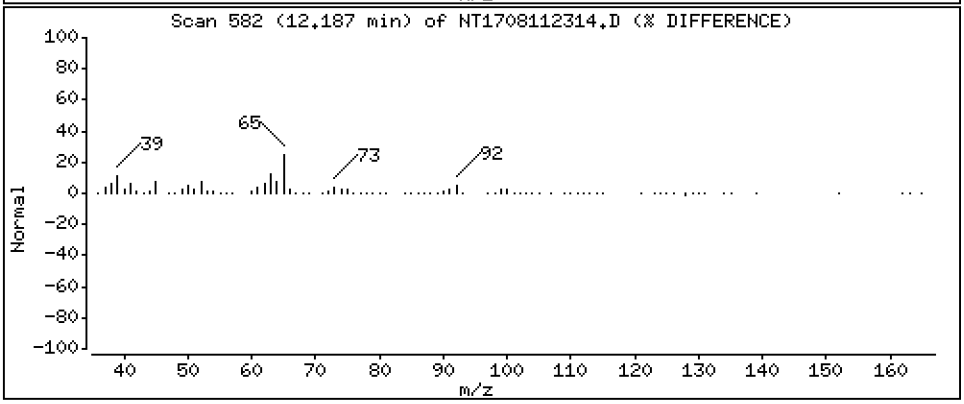












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

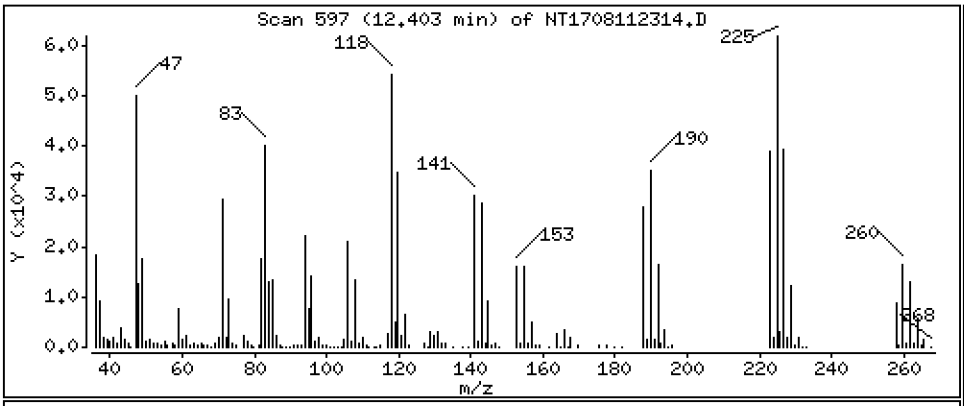
Operator: JGR

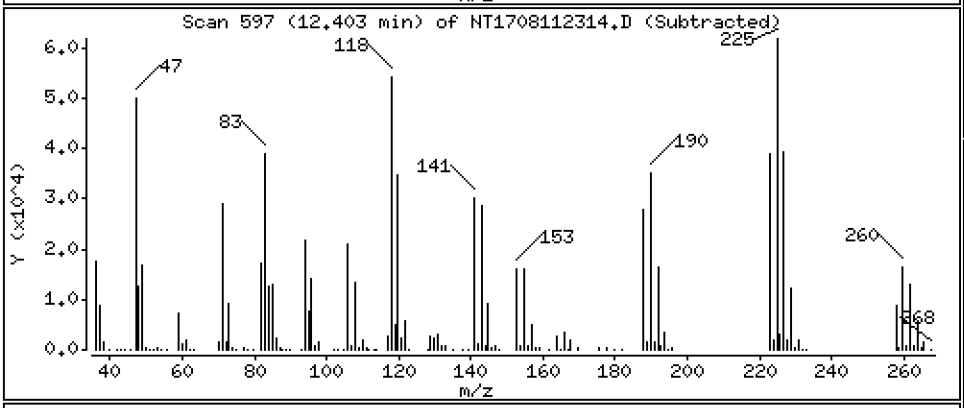
Column phase: ZB-5msi

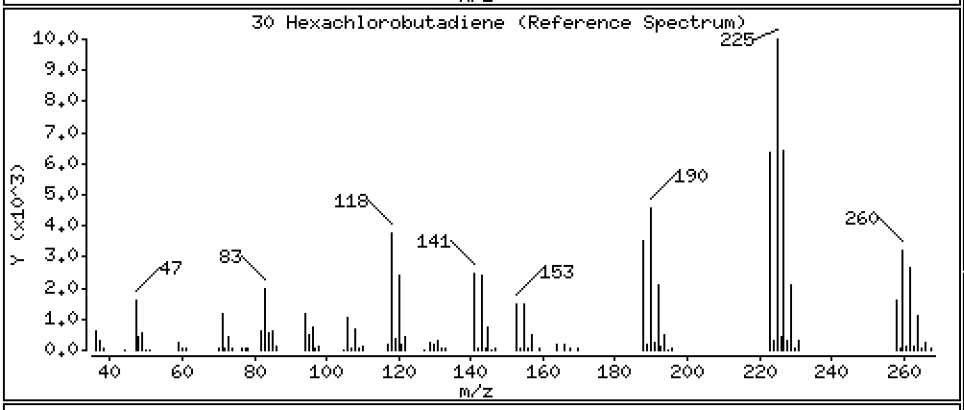
Column diameter: 0.25

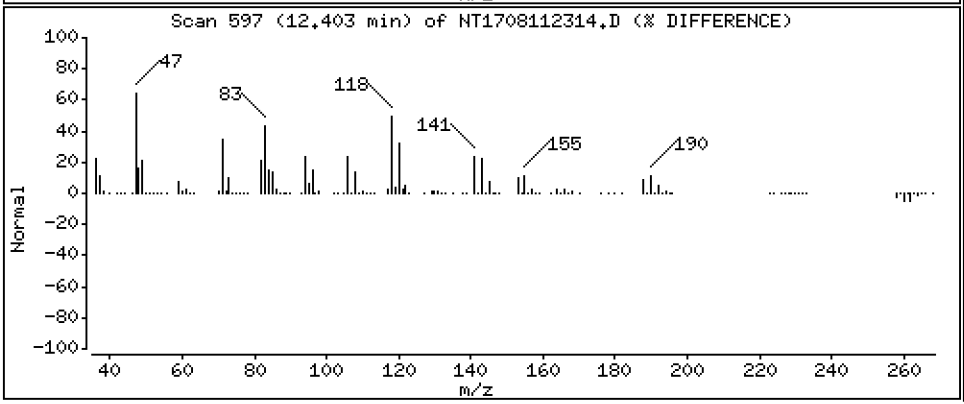
30 Hexachlorobutadiene

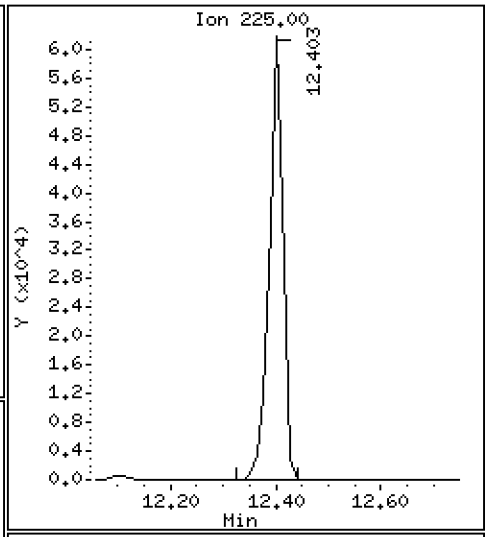
Concentration: 3.293 ug/mL

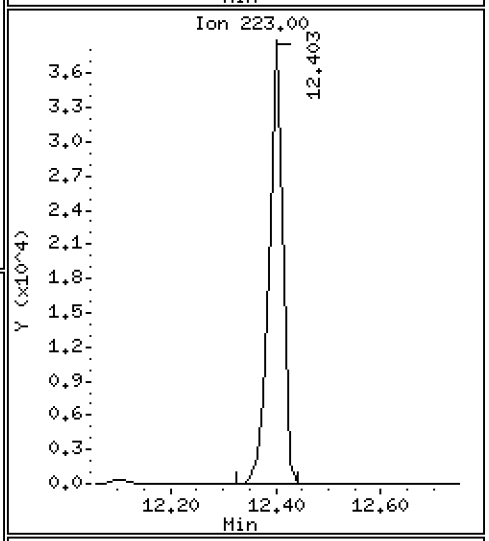


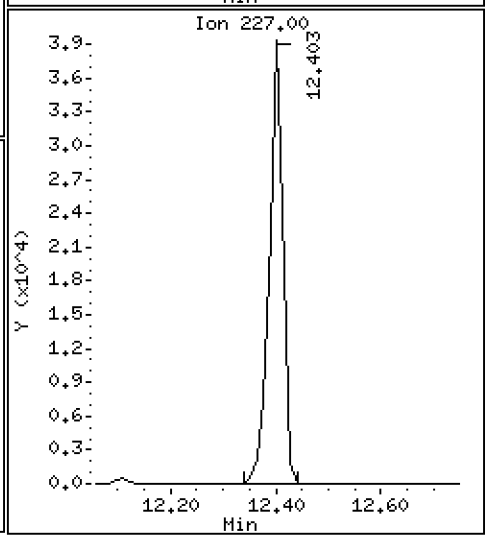












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

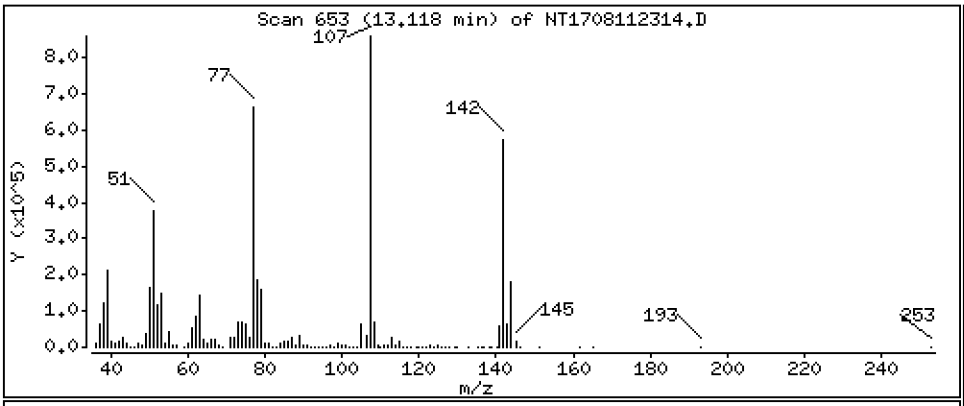
Operator: JGR

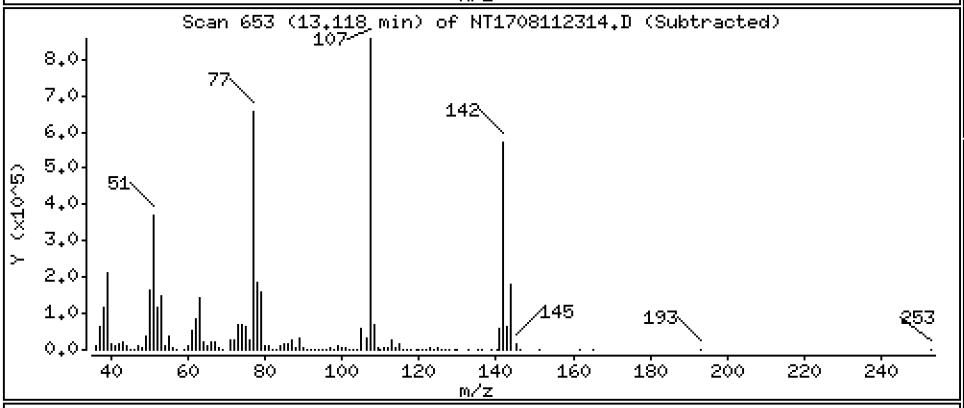
Column phase: ZB-5msi

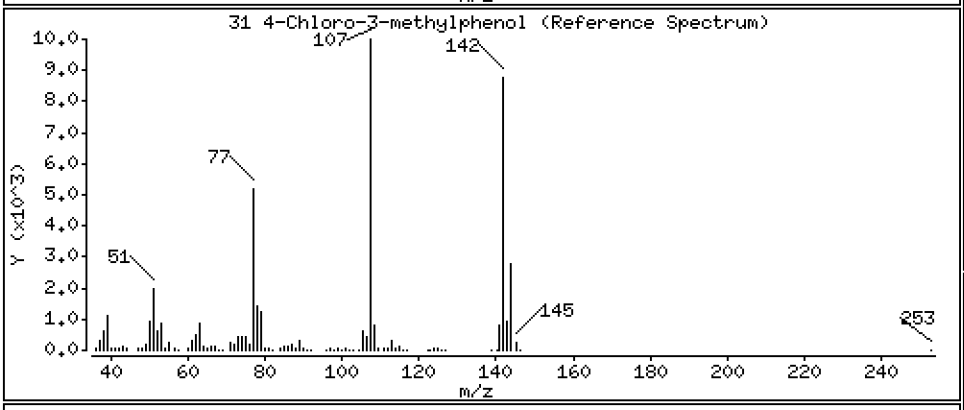
Column diameter: 0.25

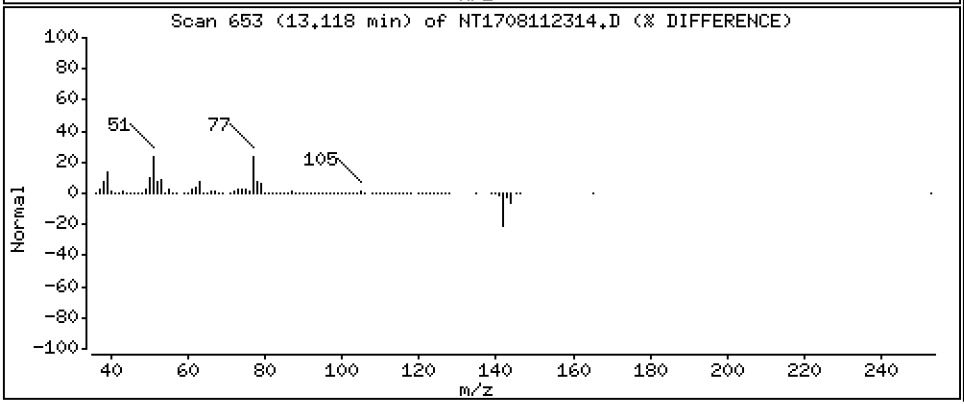
31 4-Chloro-3-methylphenol

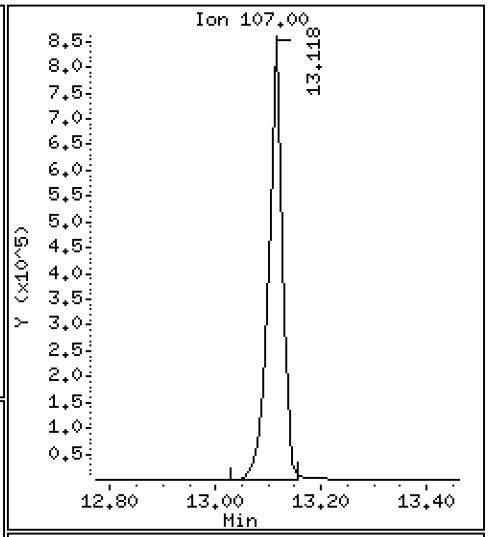
Concentration: 12.45 ug/mL

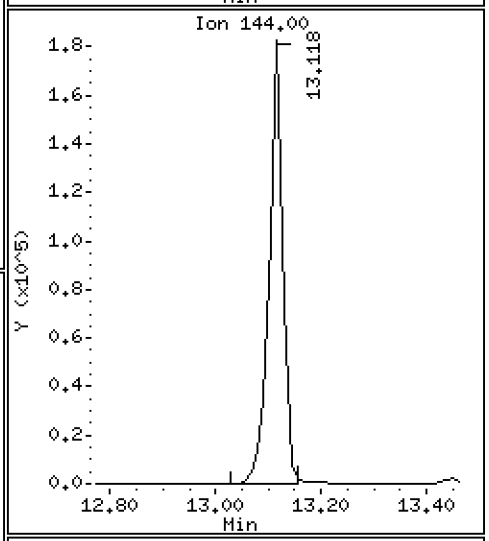


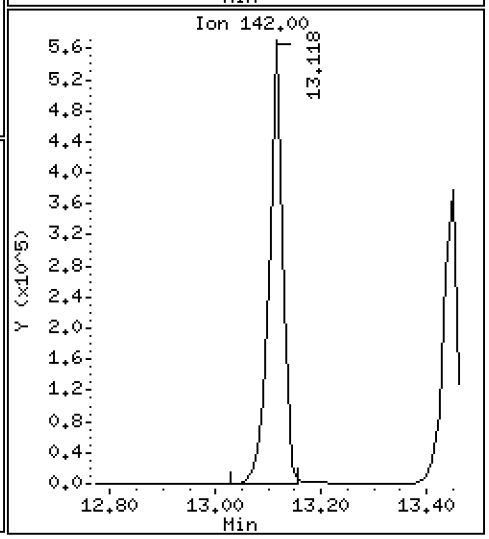












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

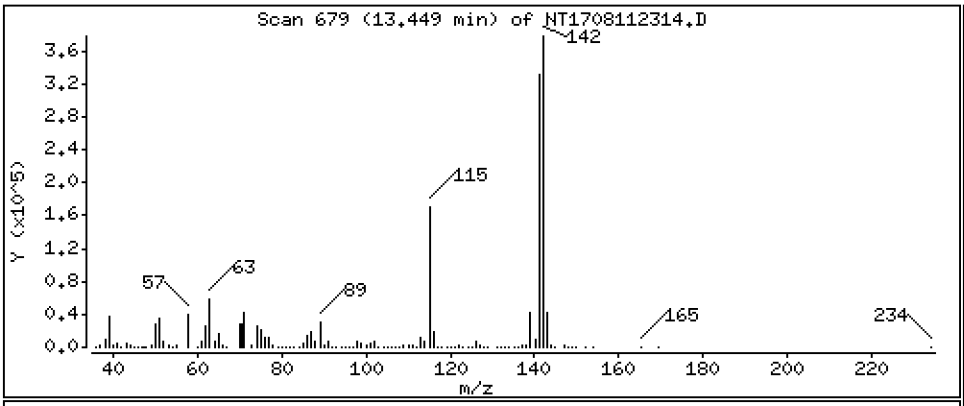
Operator: JGR

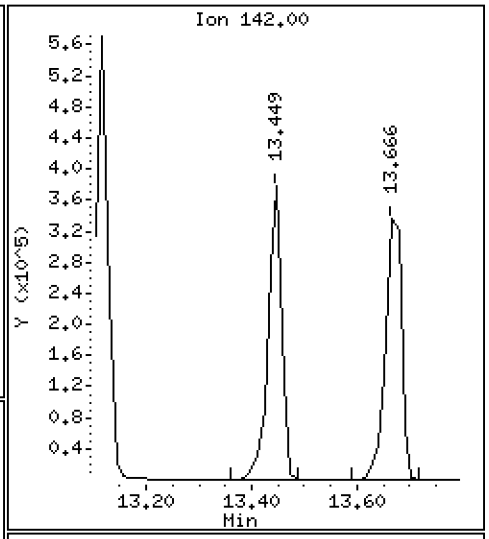
Column phase: ZB-5msi

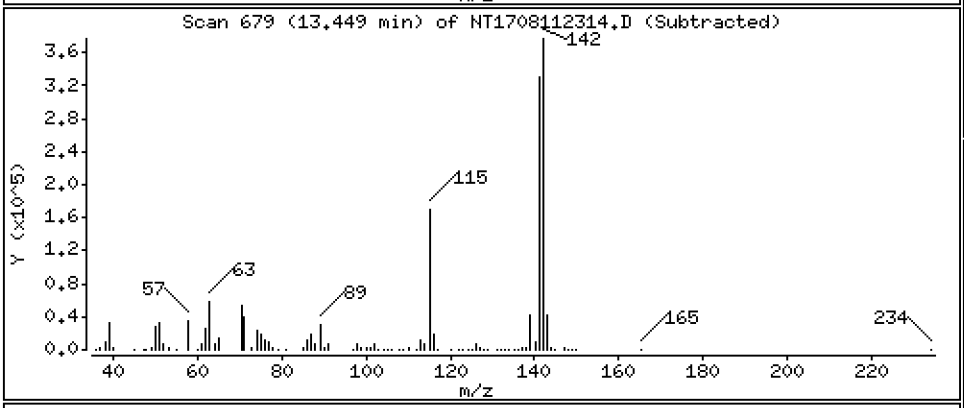
Column diameter: 0.25

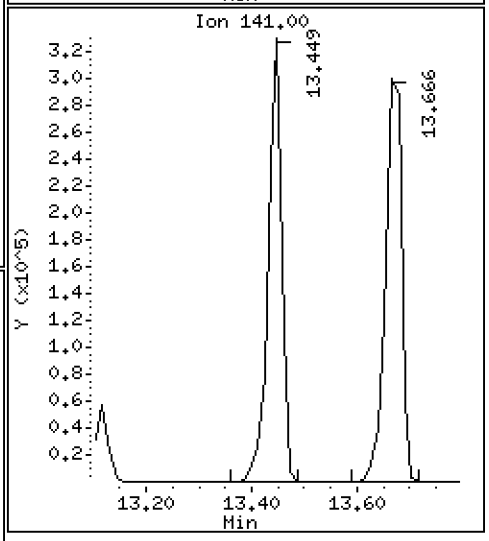
32 2-Methylnaphthalene

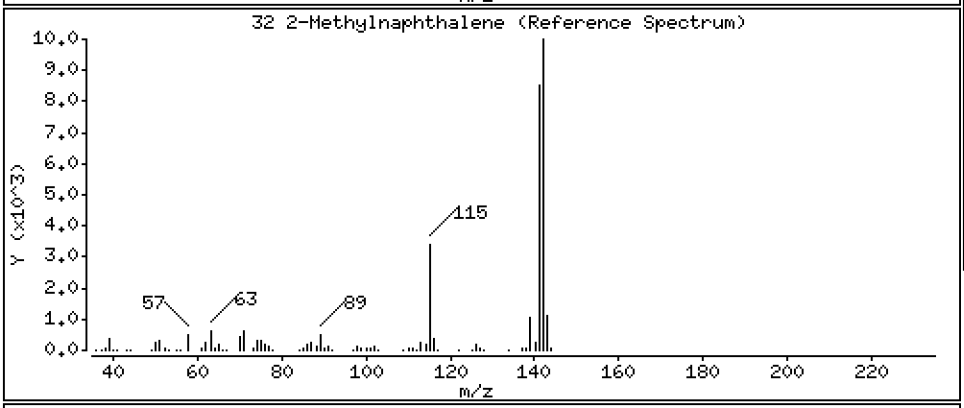
Concentration: 3.436 ug/mL

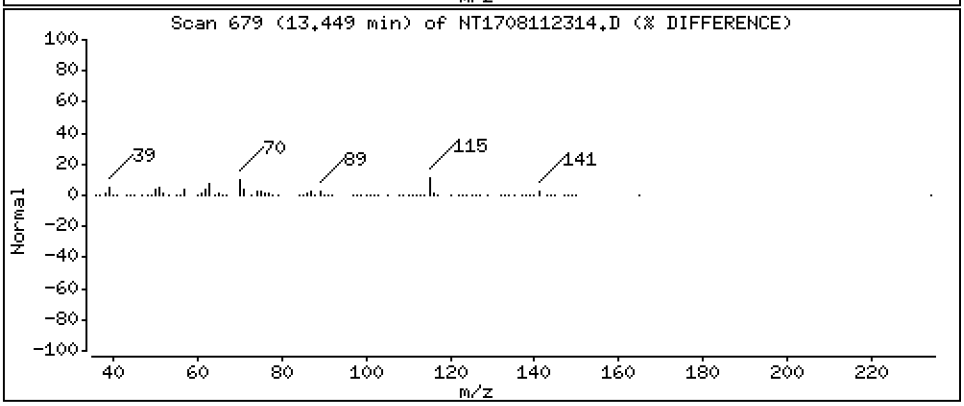












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

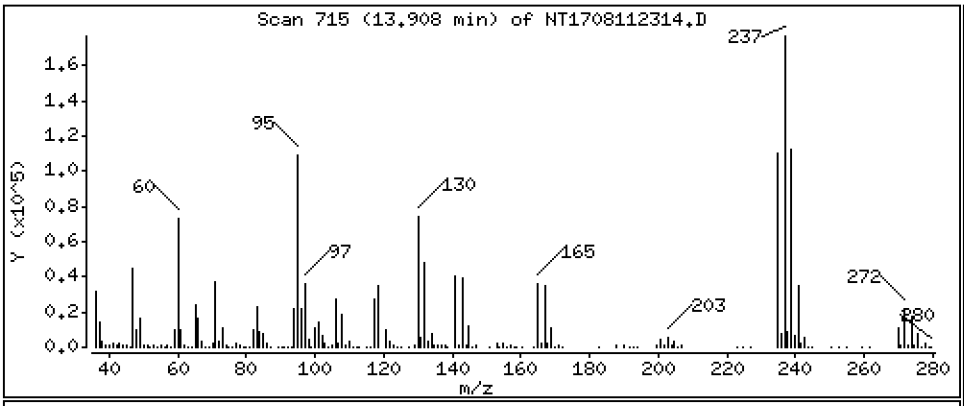
Operator: JGR

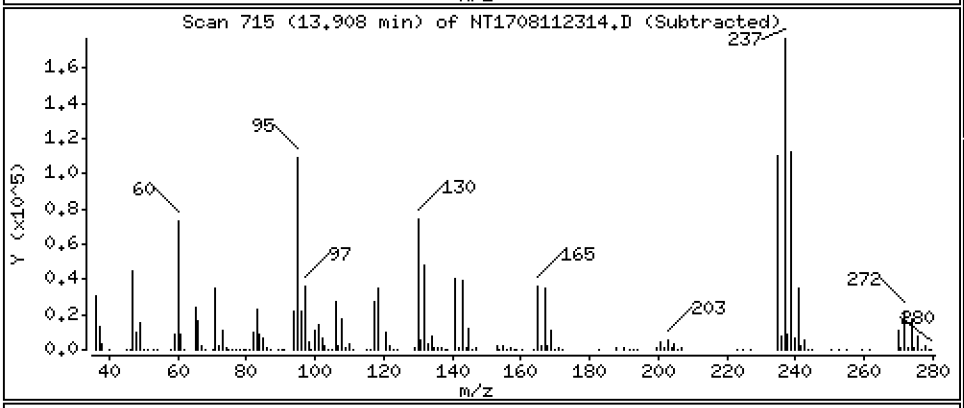
Column phase: ZB-5msi

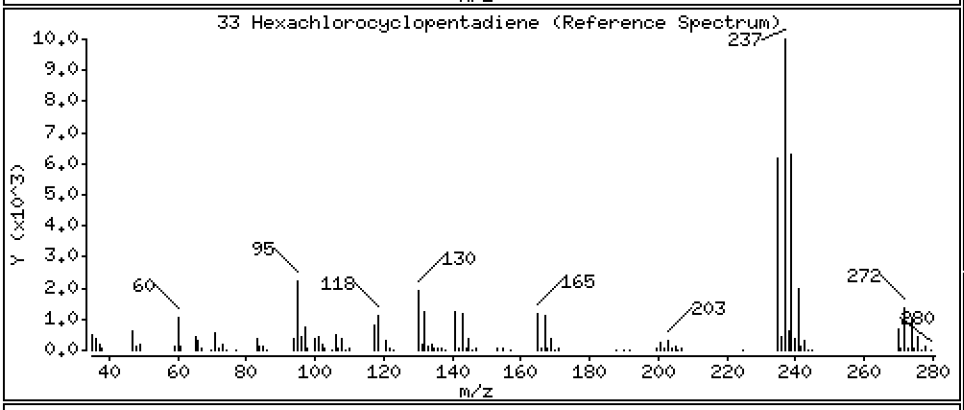
Column diameter: 0.25

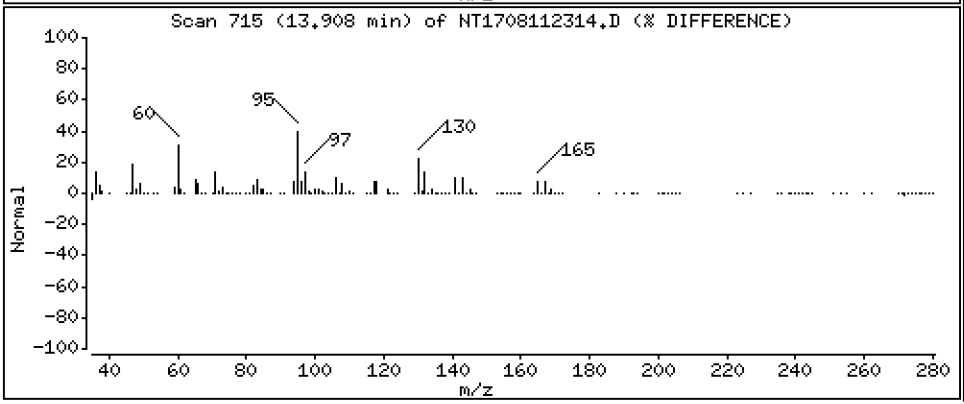
33 Hexachlorocyclopentadiene

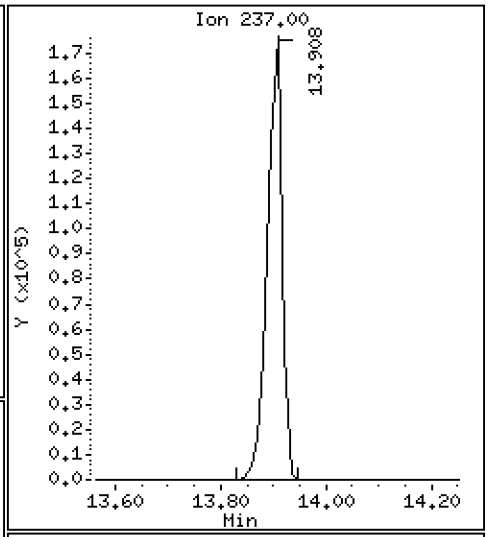
Concentration: 7.216 ug/mL

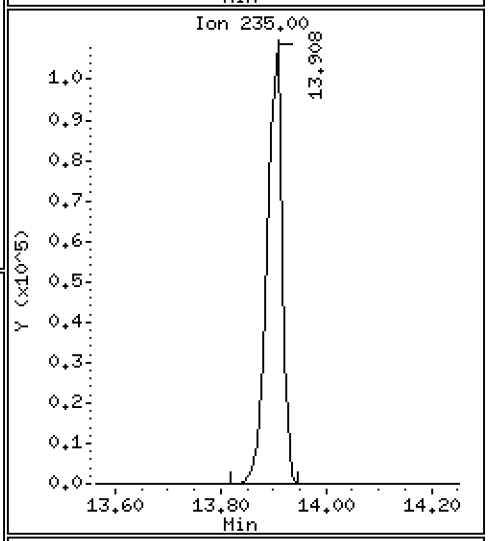


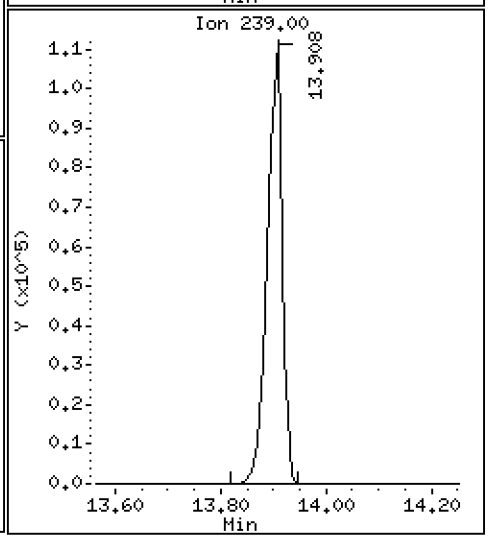












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

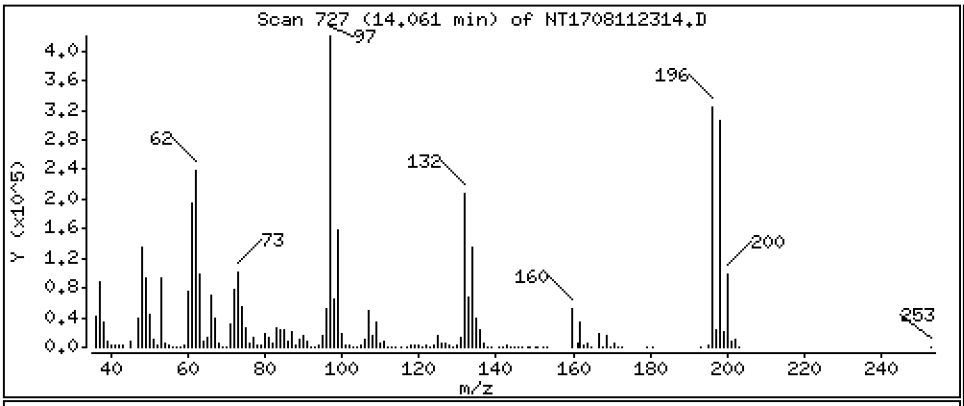
Operator: JGR

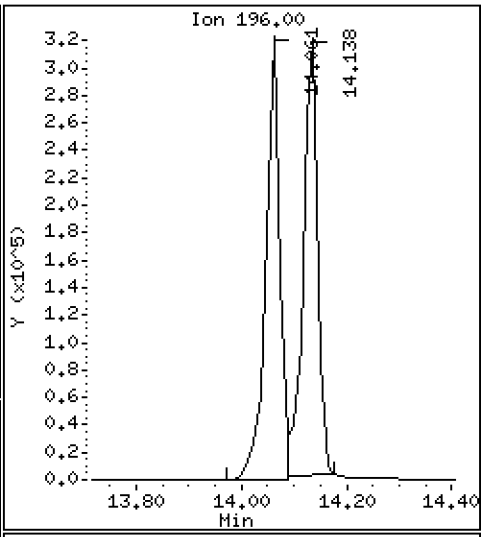
Column phase: ZB-5msi

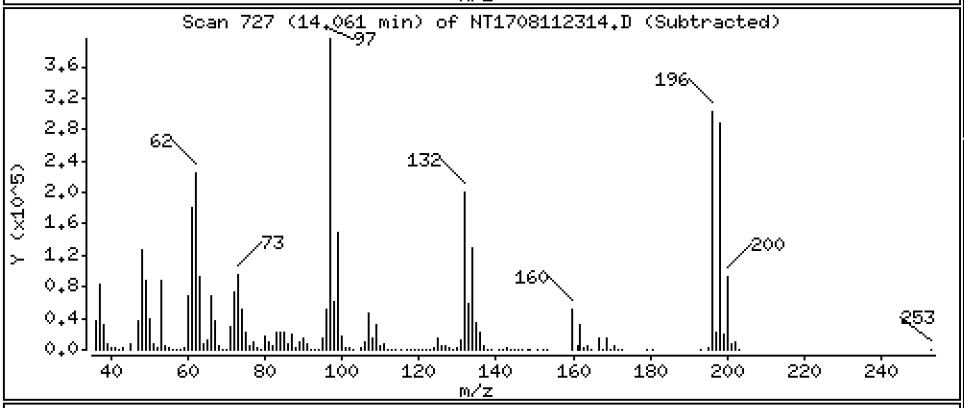
Column diameter: 0.25

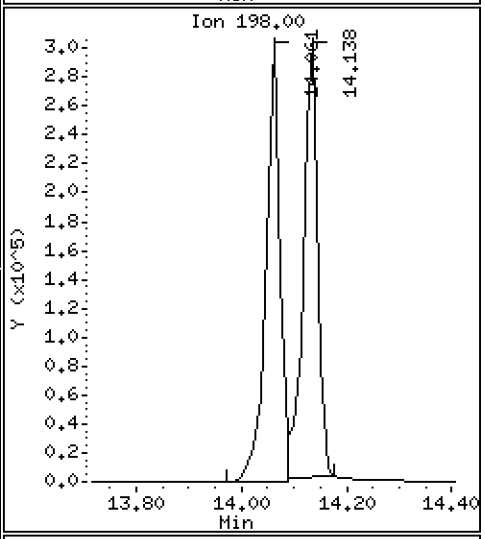
34 2,4,6-Trichlorophenol

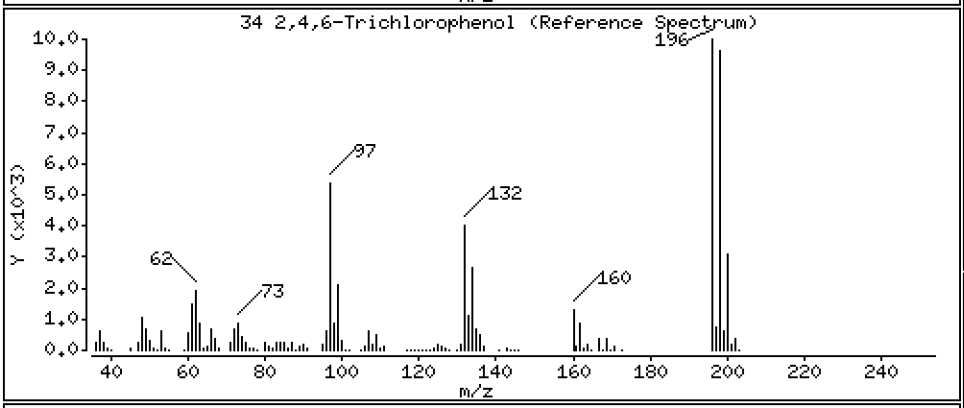
Concentration: 11.66 ug/mL

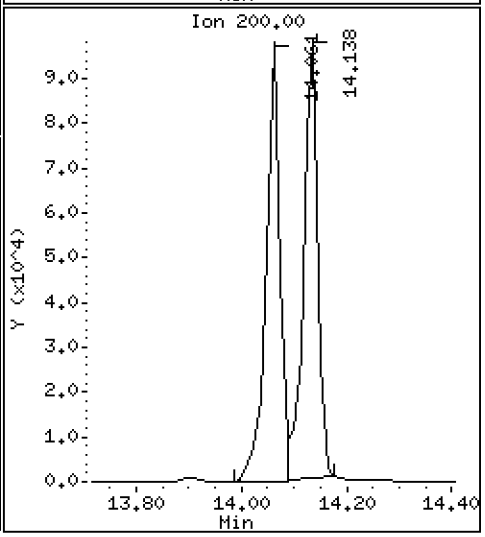


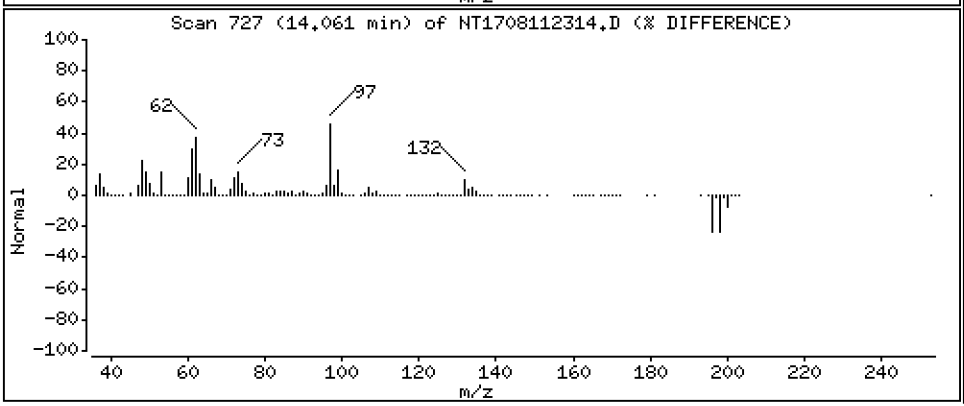












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

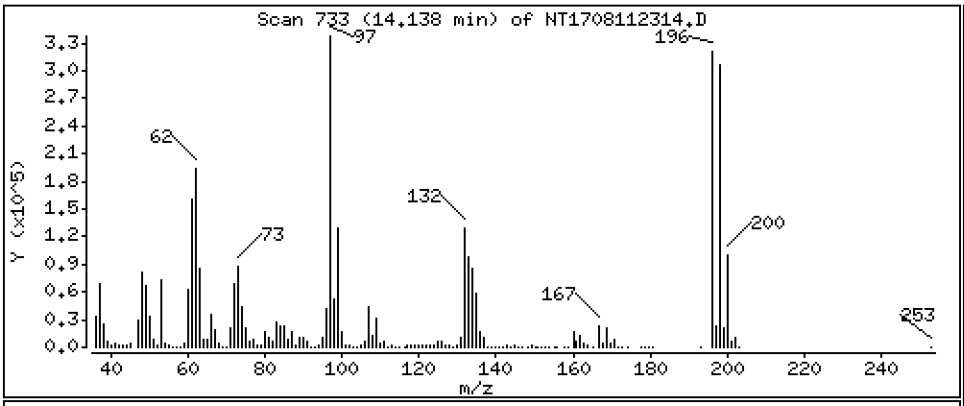
Operator: JGR

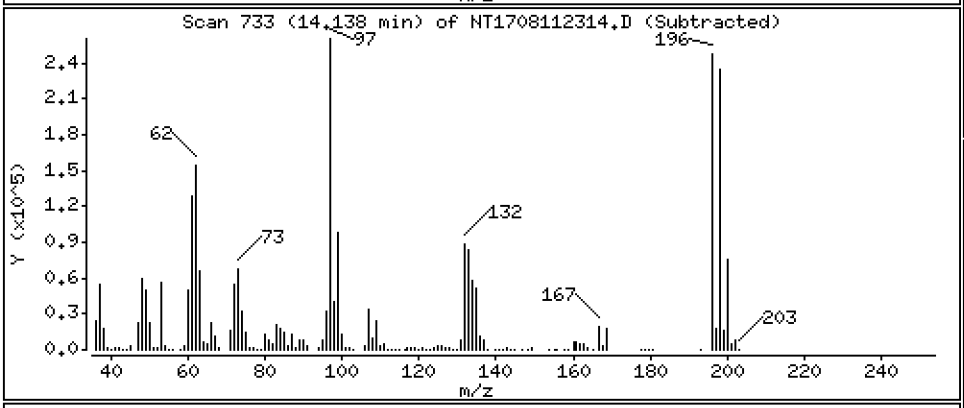
Column phase: ZB-5msi

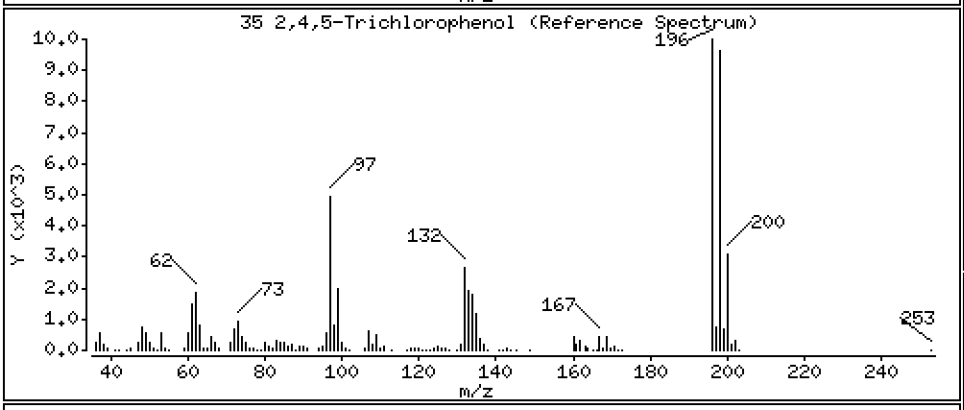
Column diameter: 0.25

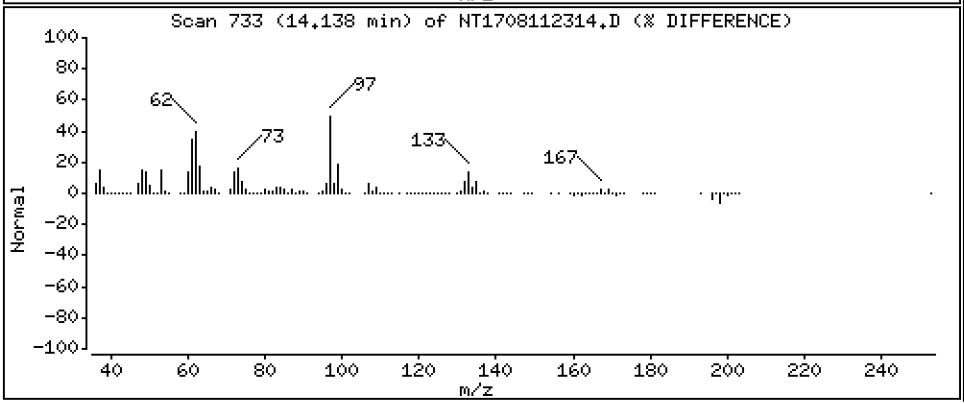
35 2,4,5-Trichlorophenol

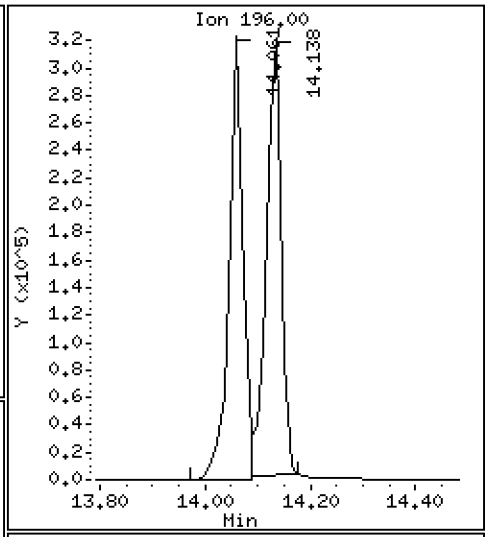
Concentration: 13.66 ug/mL

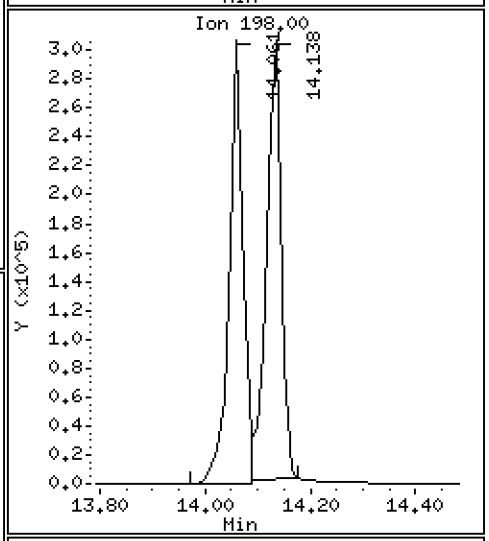


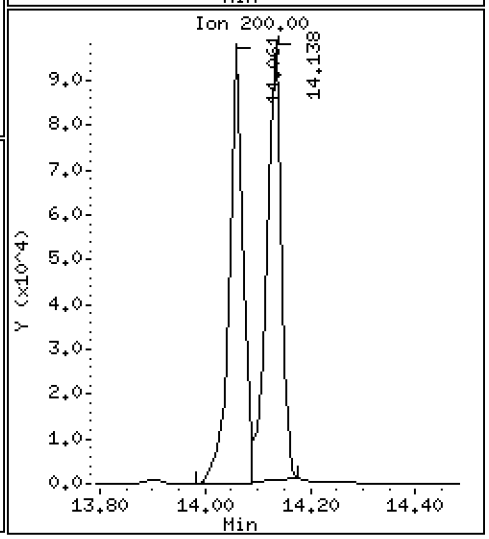












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

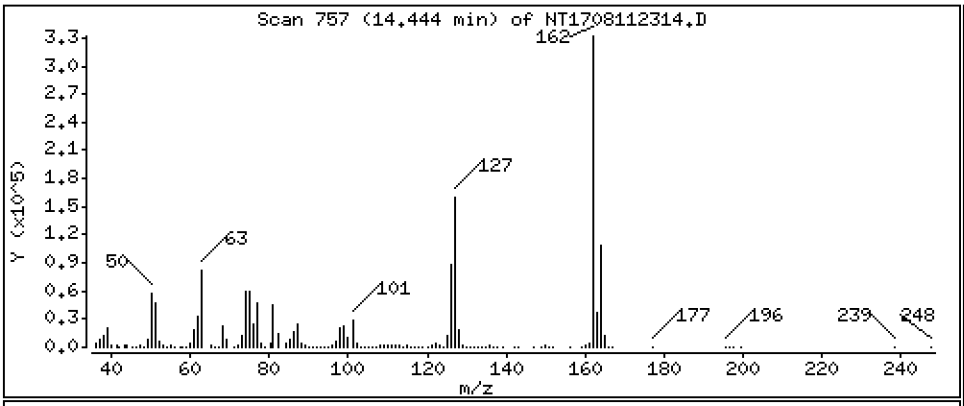
Operator: JGR

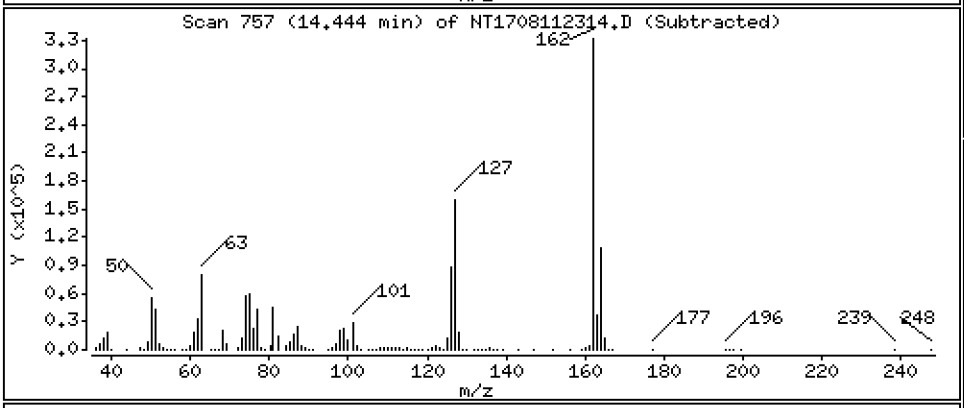
Column phase: ZB-5msi

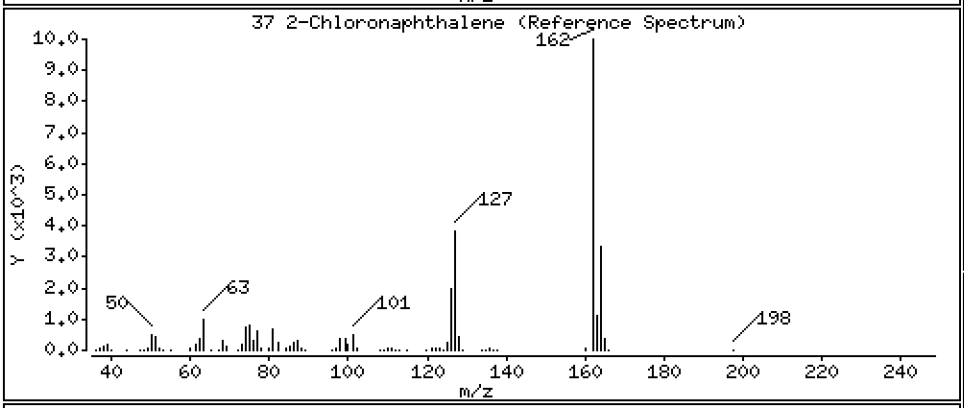
Column diameter: 0.25

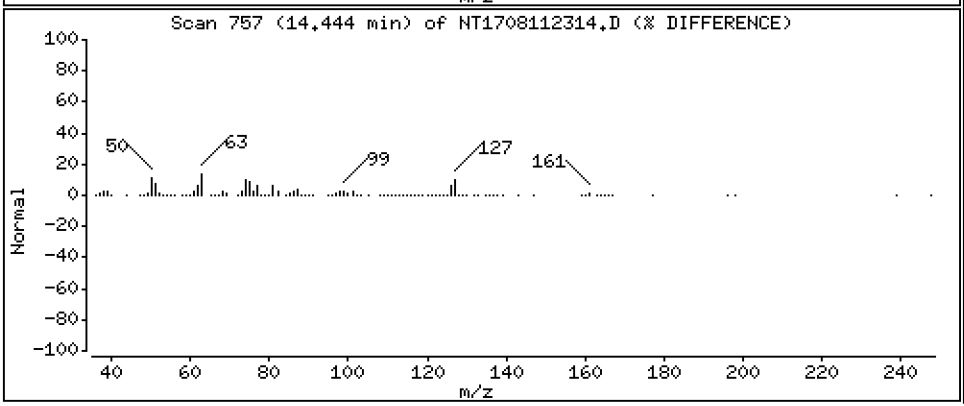
37 2-Chloronaphthalene

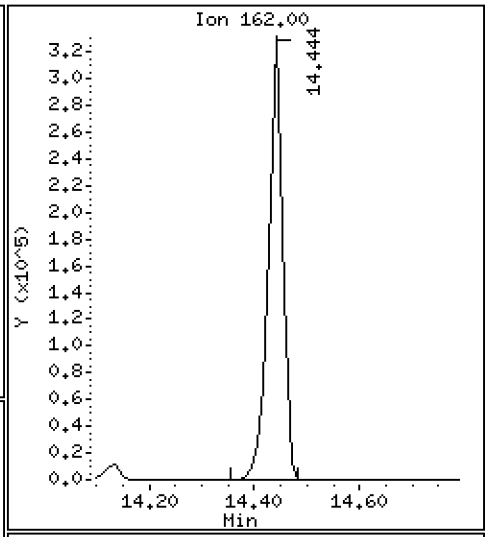
Concentration: 3.755 ug/mL

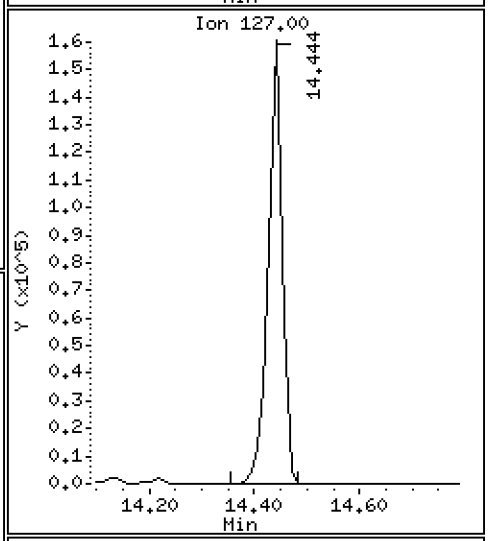


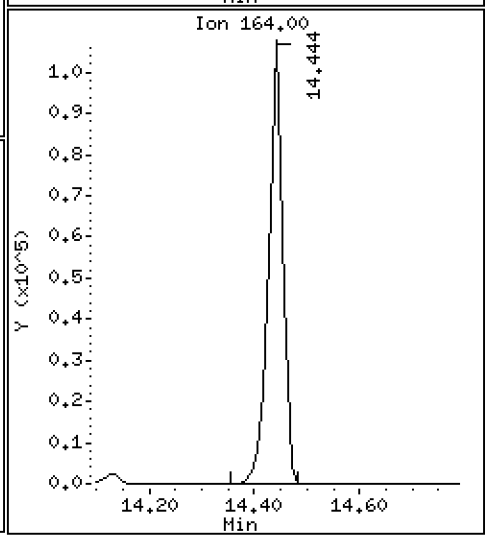












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

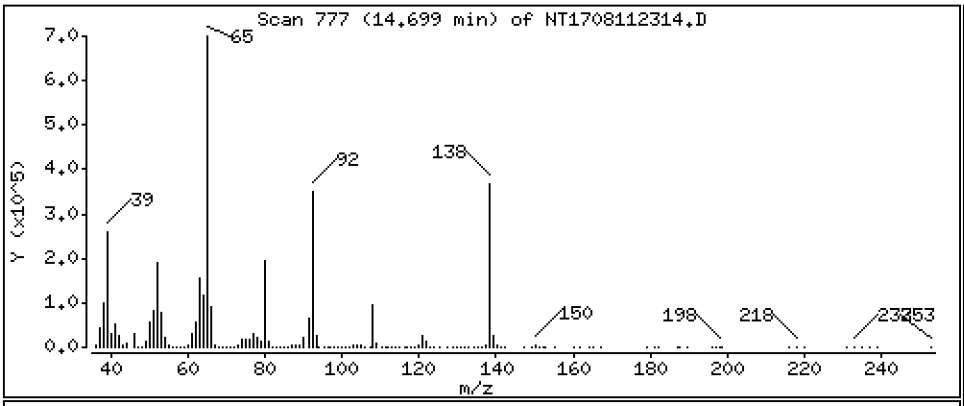
Operator: JGR

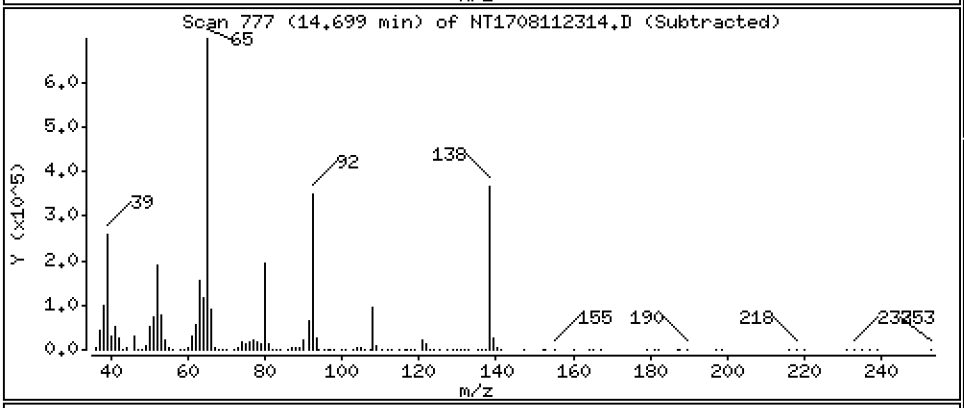
Column phase: ZB-5msi

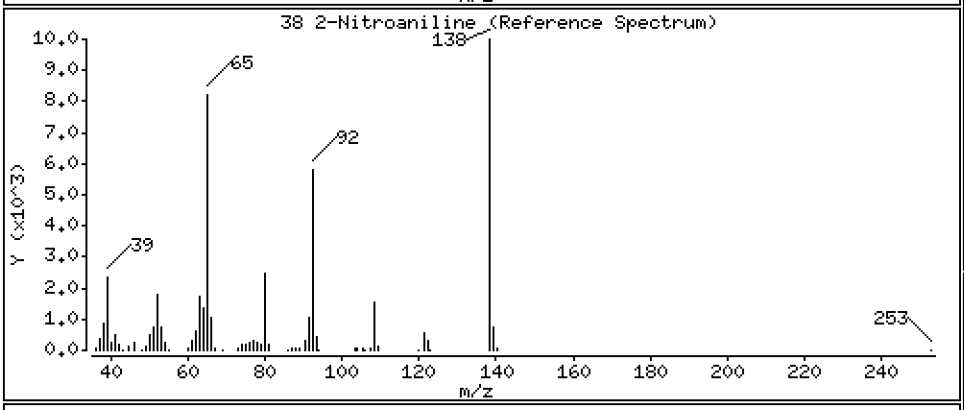
Column diameter: 0.25

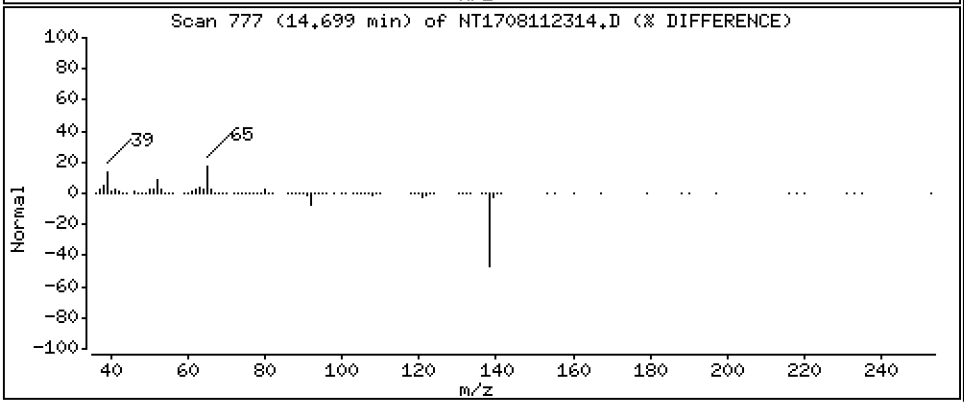
38 2-Nitroaniline

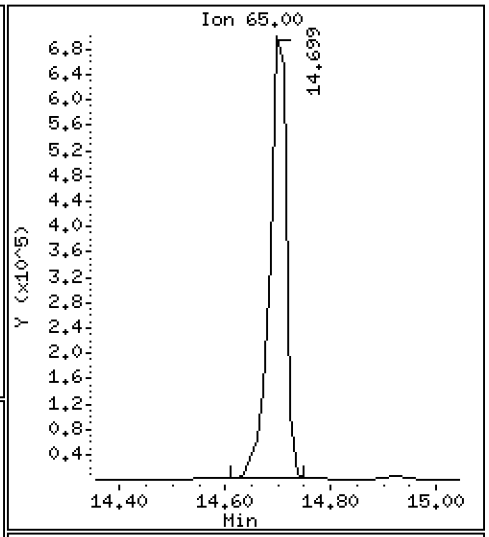
Concentration: 11.93 ug/mL

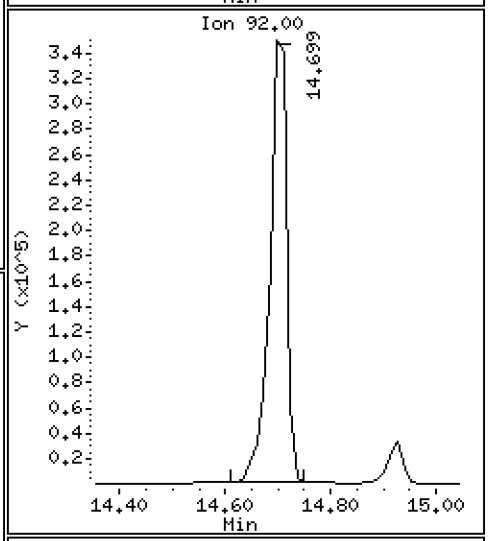


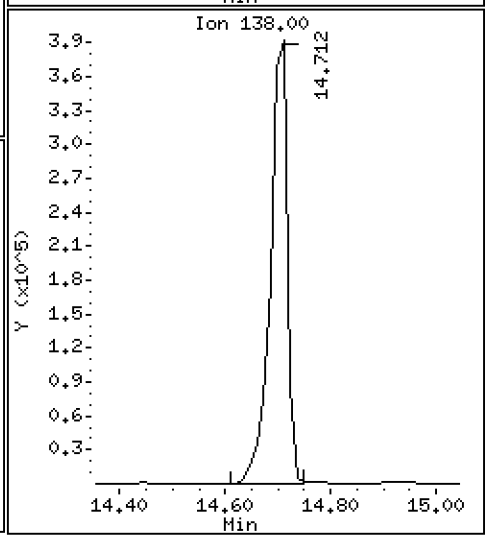












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

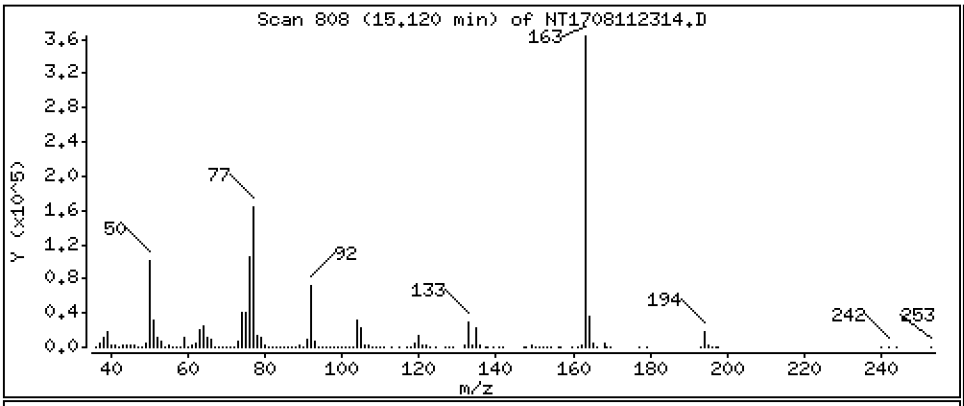
Operator: JGR

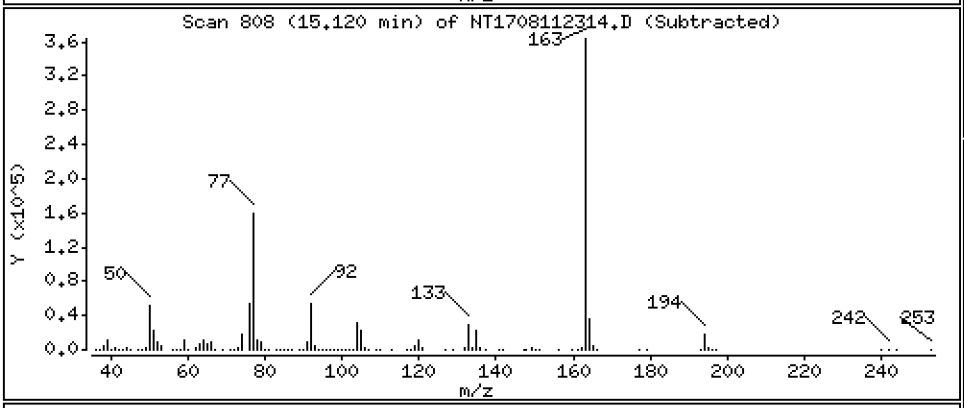
Column phase: ZB-5msi

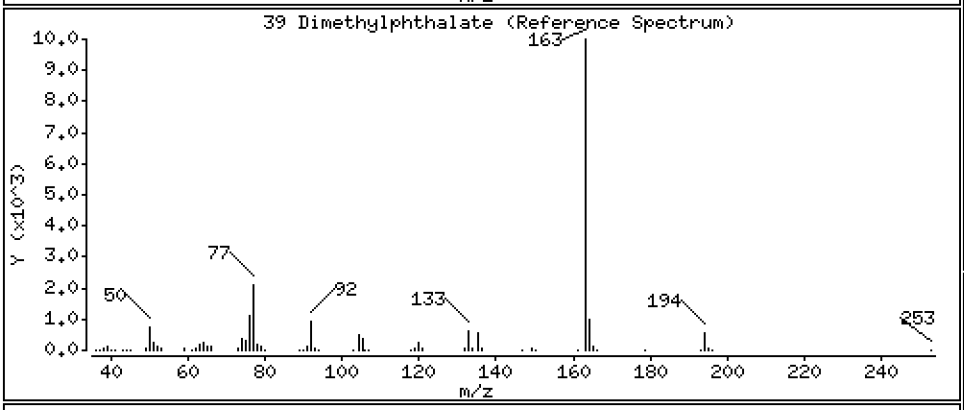
Column diameter: 0.25

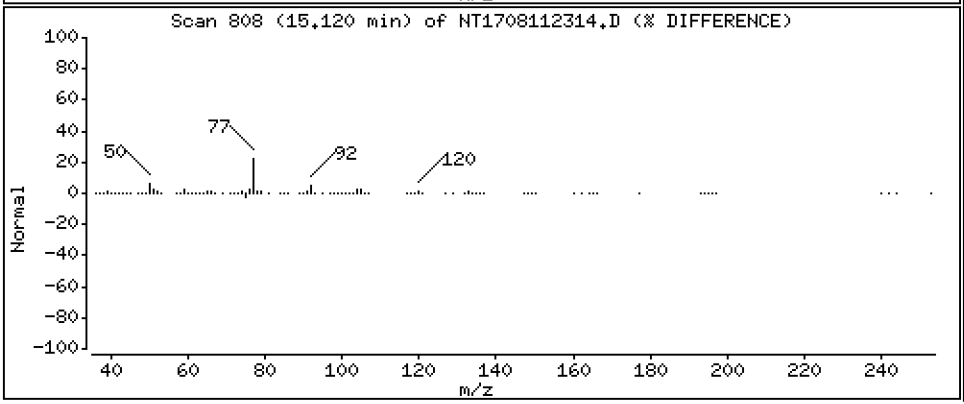
39 Dimethylphthalate

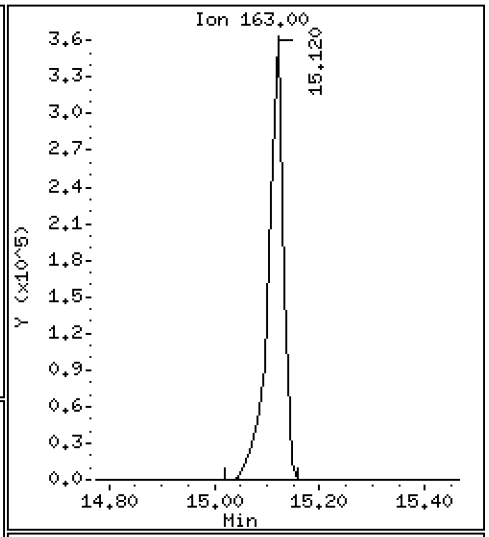
Concentration: 4.263 ug/mL

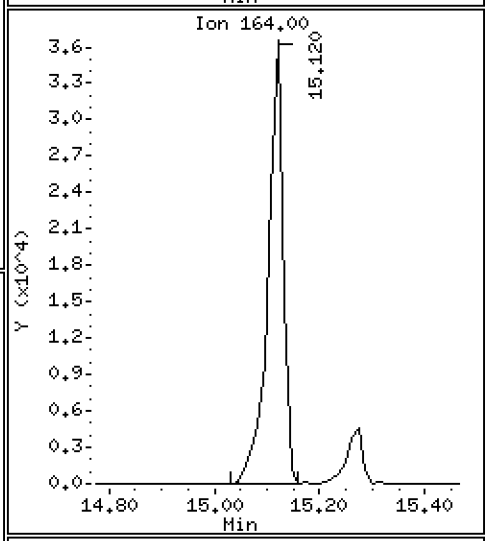


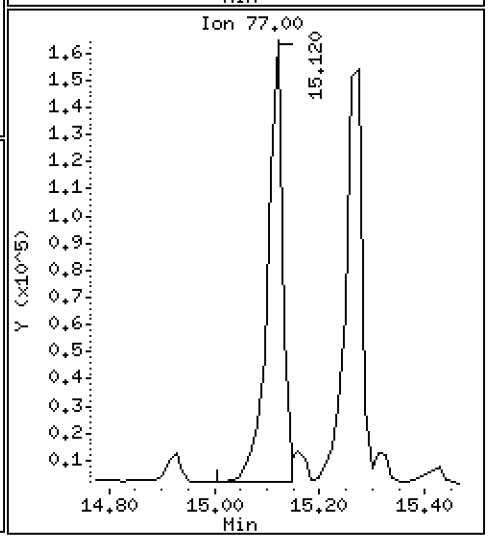












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

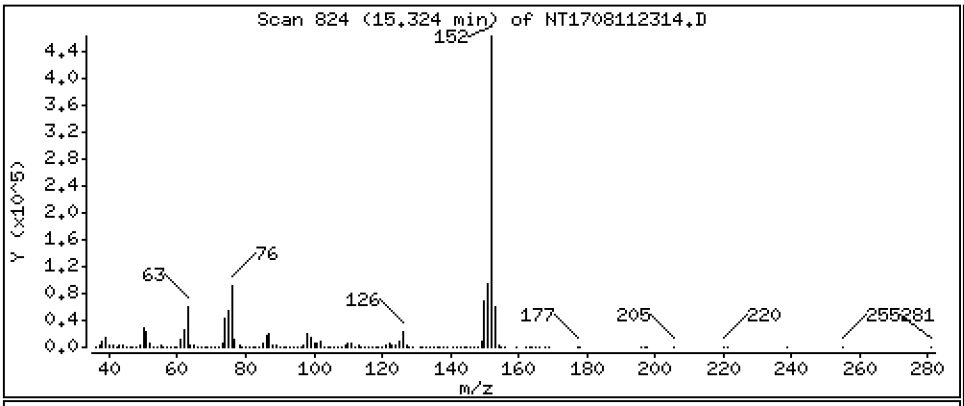
Operator: JGR

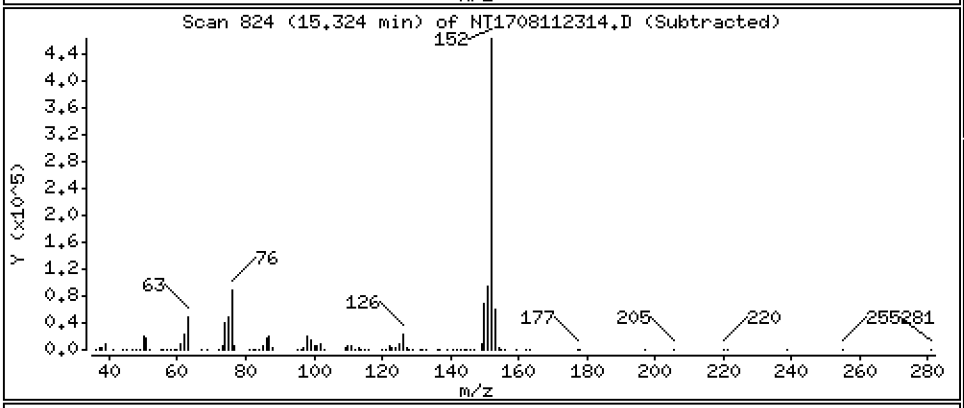
Column phase: ZB-5msi

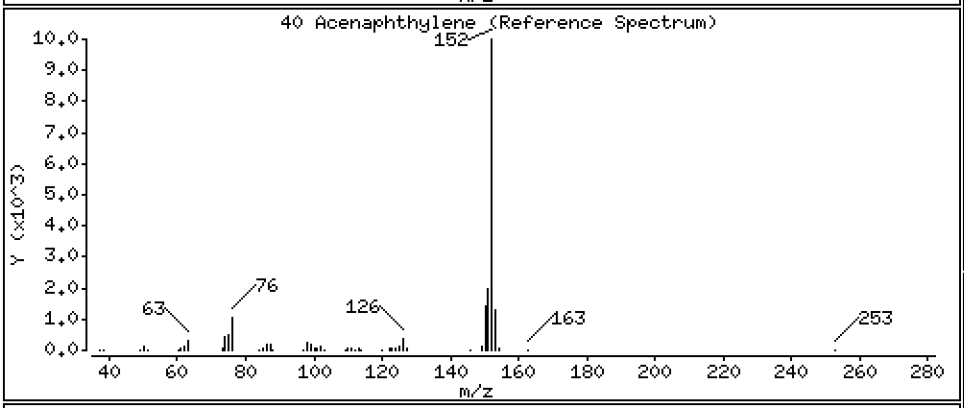
Column diameter: 0.25

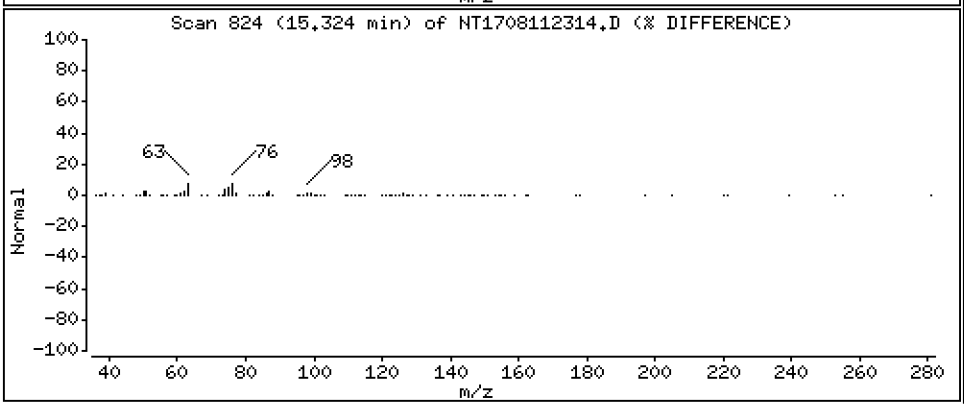
40 Acenaphthylene

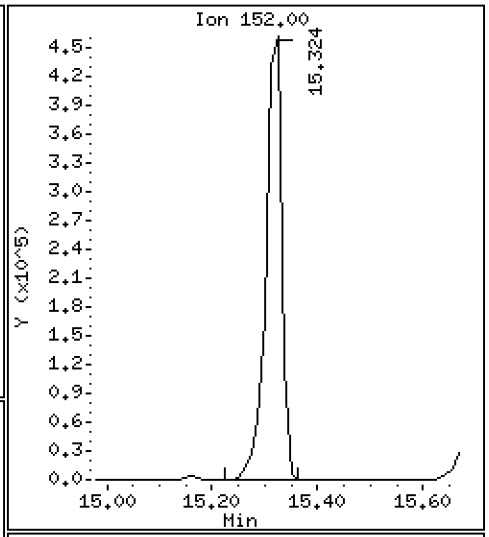
Concentration: 3.926 ug/mL

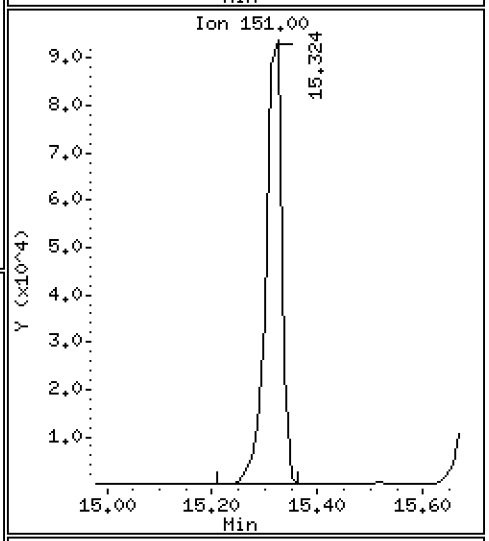


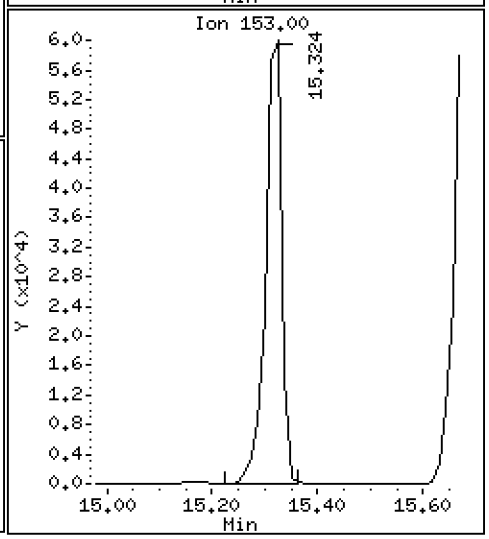












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

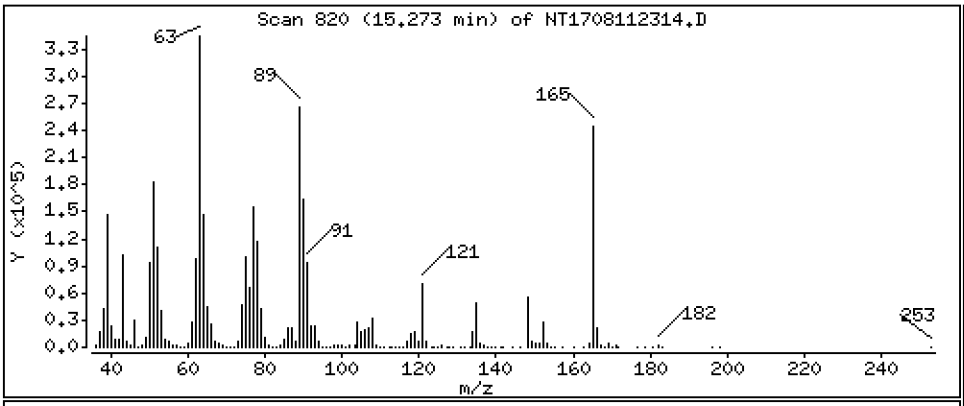
Operator: JGR

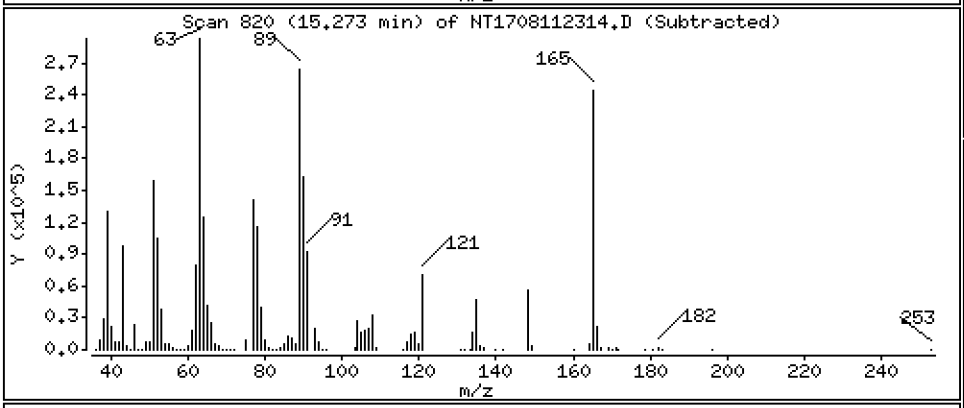
Column phase: ZB-5msi

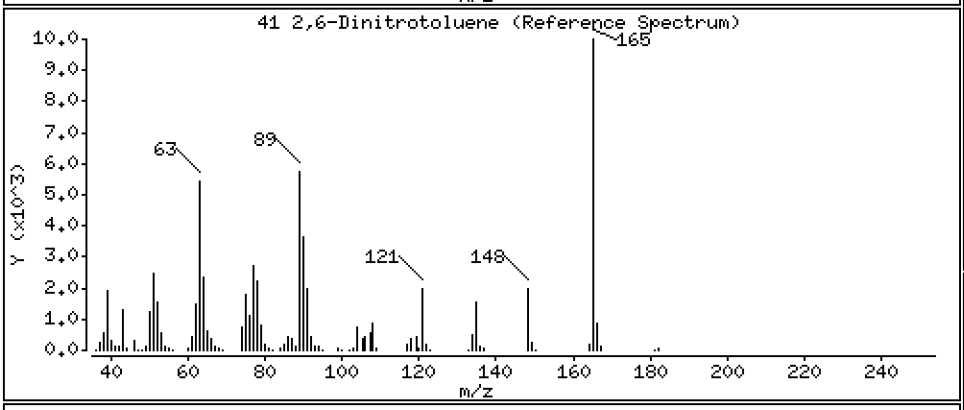
Column diameter: 0.25

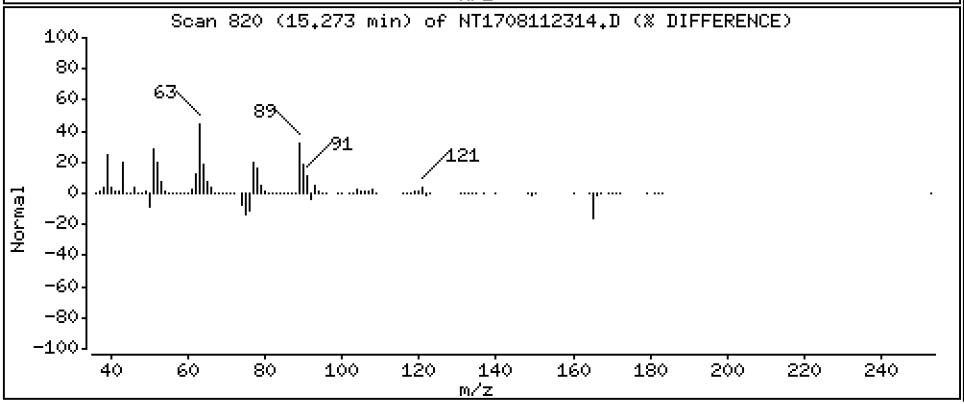
41 2,6-Dinitrotoluene

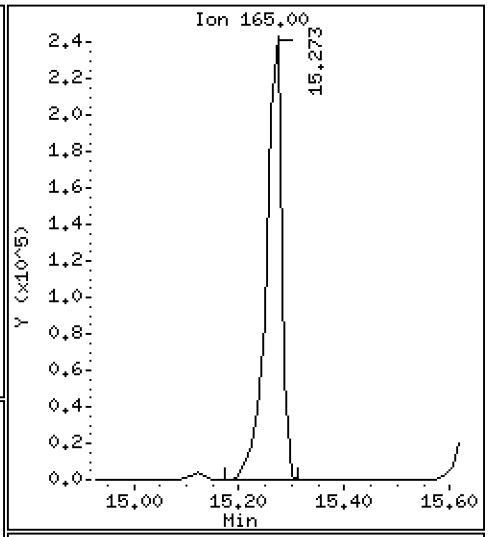
Concentration: 13.67 ug/mL

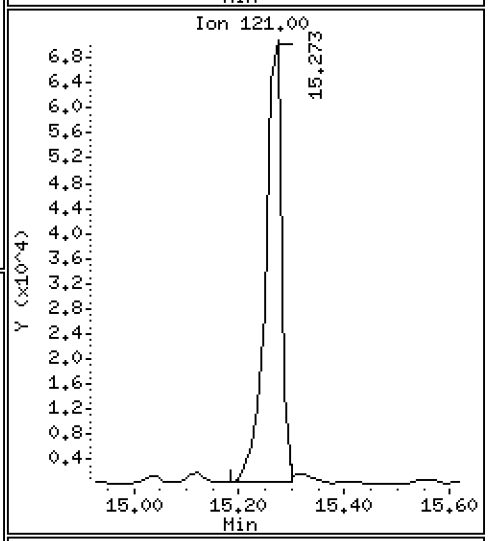


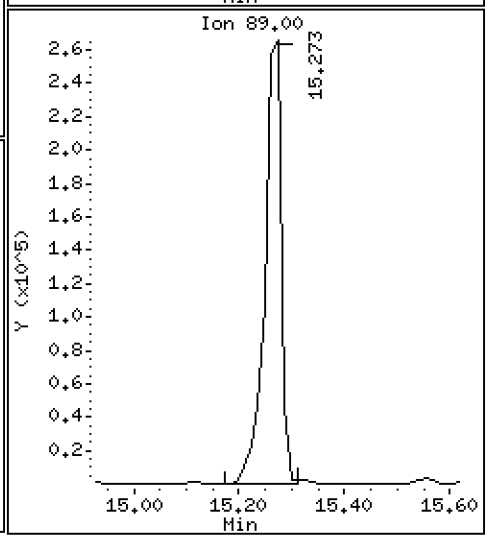












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

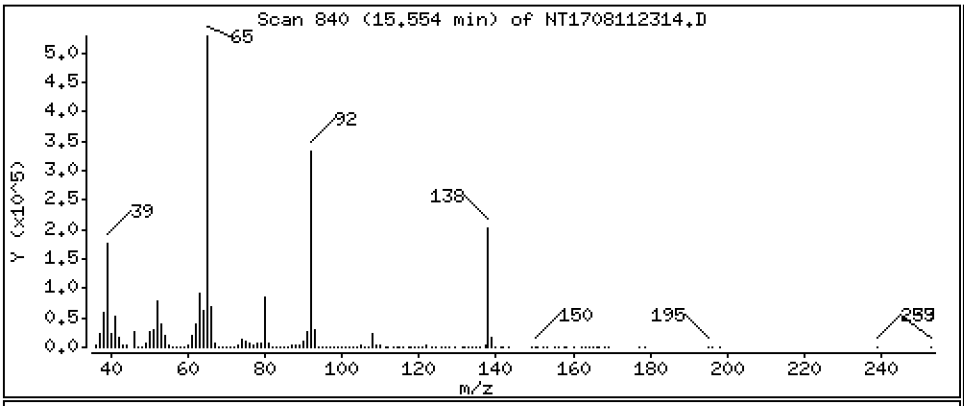
Operator: JGR

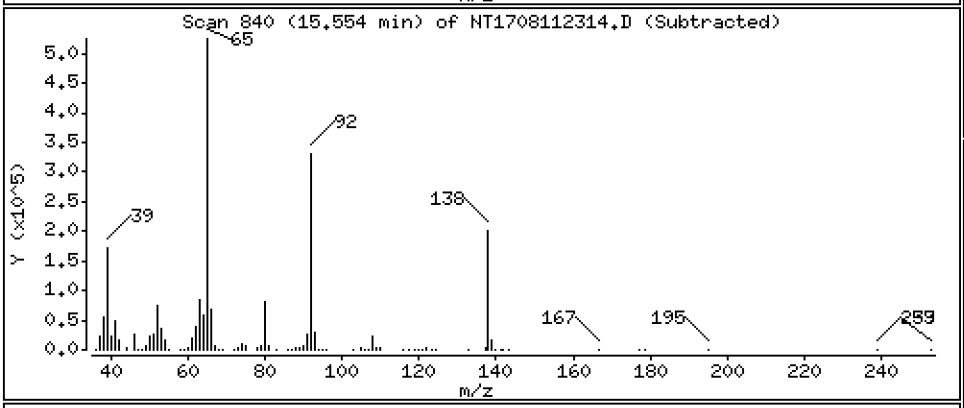
Column phase: ZB-5msi

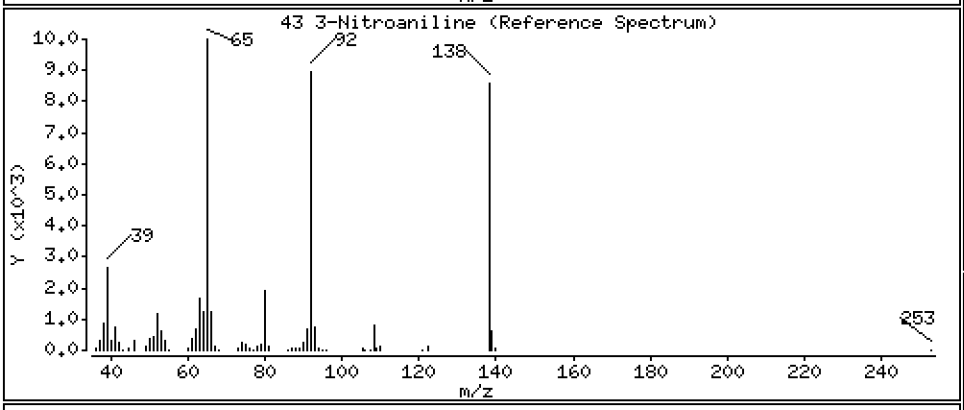
Column diameter: 0.25

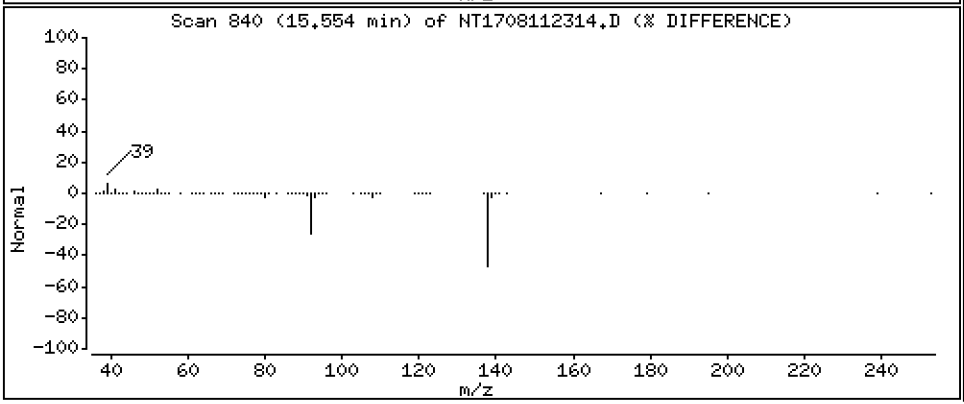
43 3-Nitroaniline

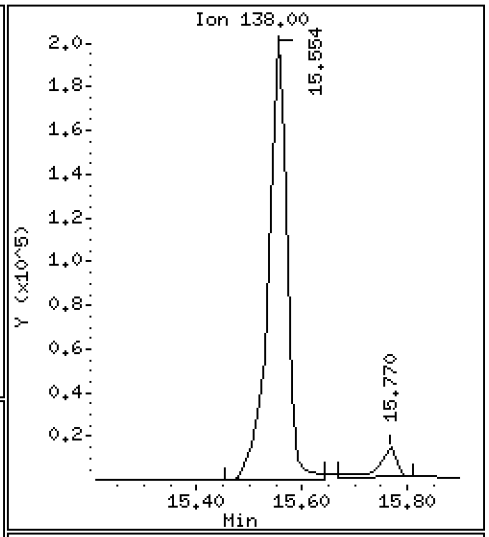
Concentration: 8.317 ug/mL

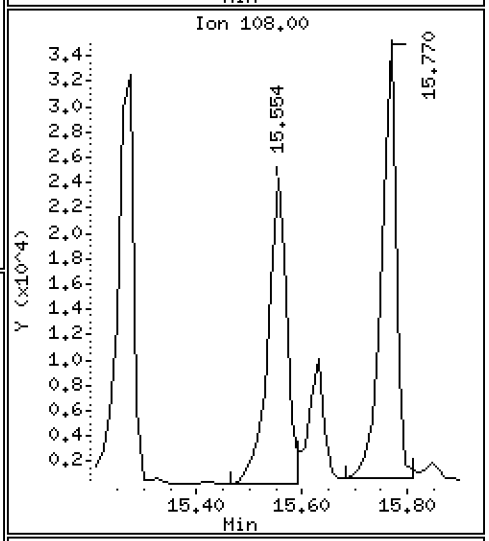


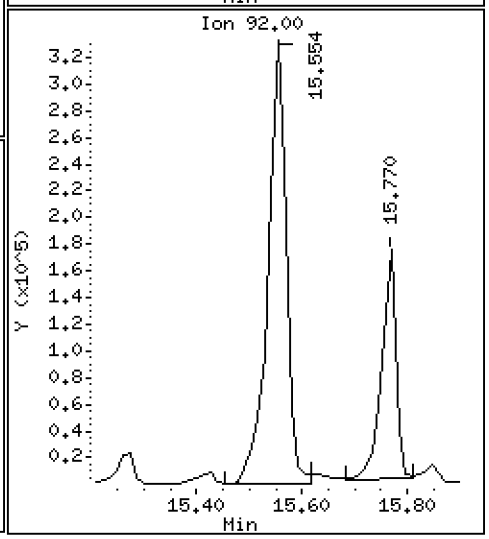












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

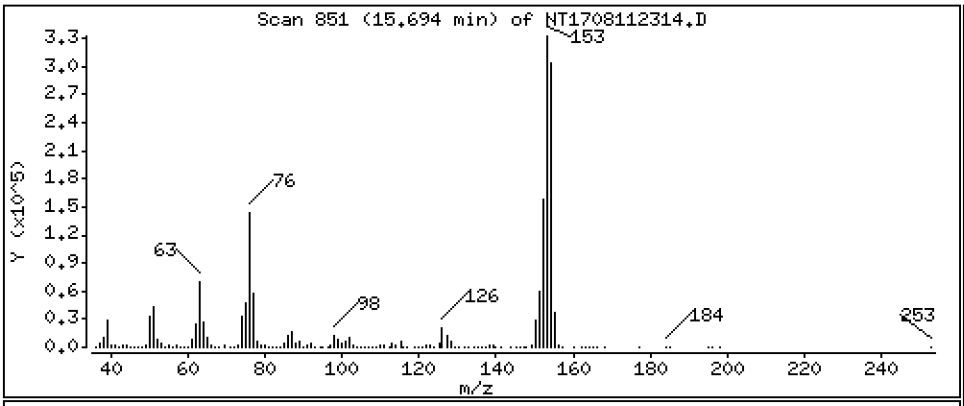
Operator: JGR

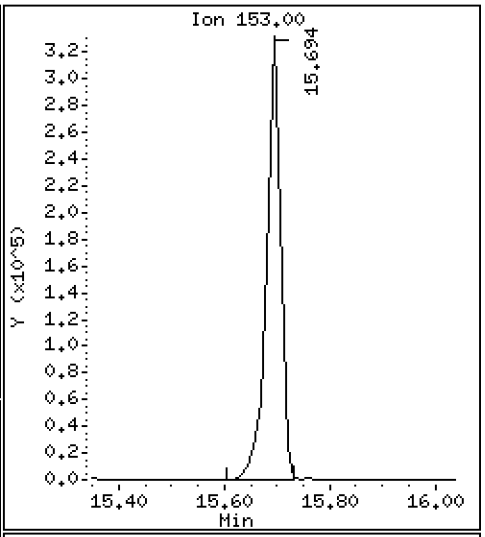
Column phase: ZB-5msi

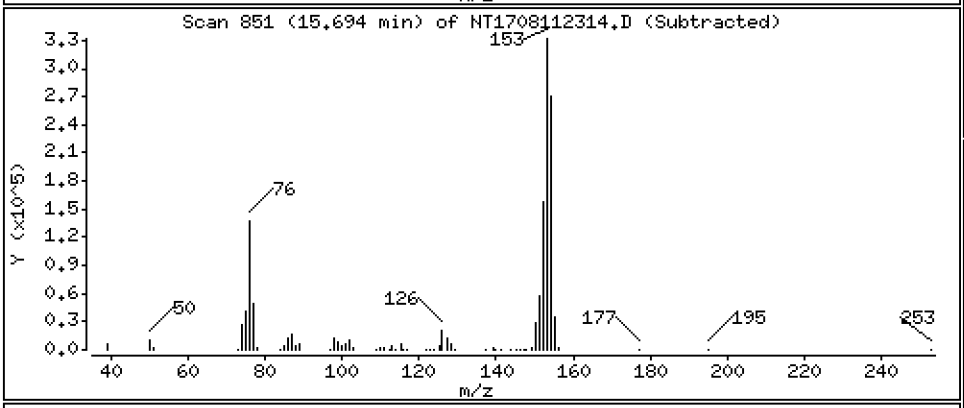
Column diameter: 0.25

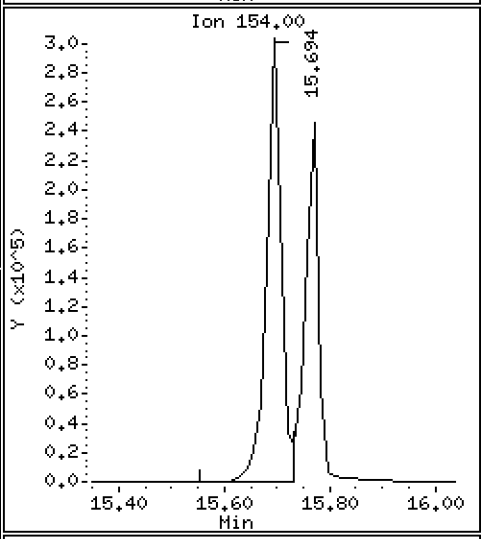
44 Acenaphthene

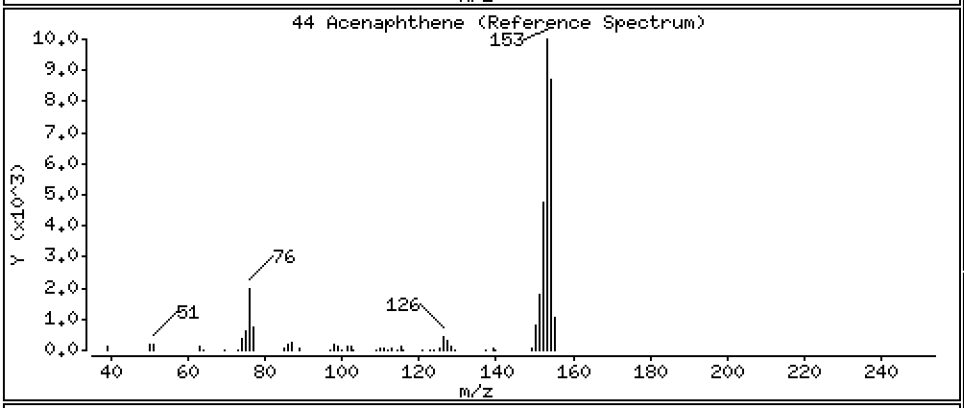
Concentration: 3.950 ug/mL

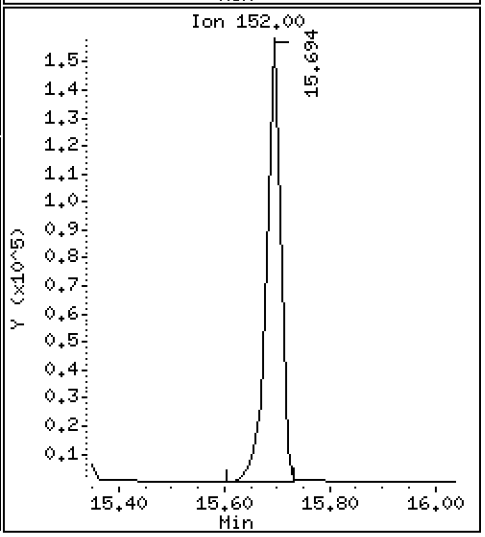


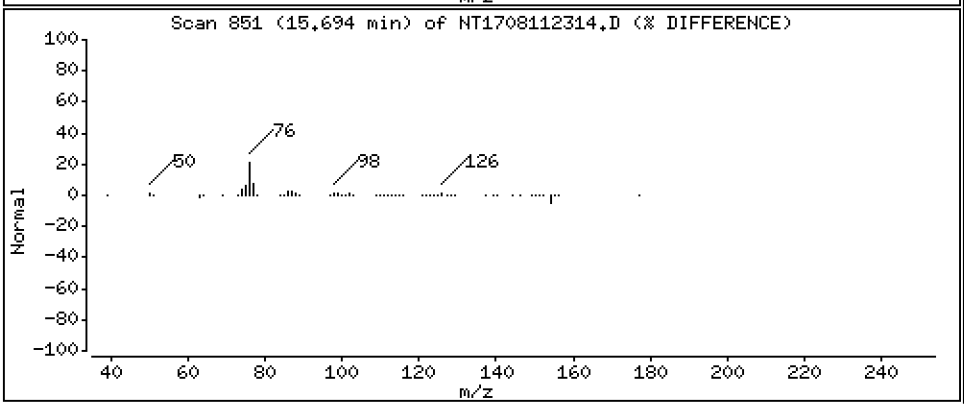












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

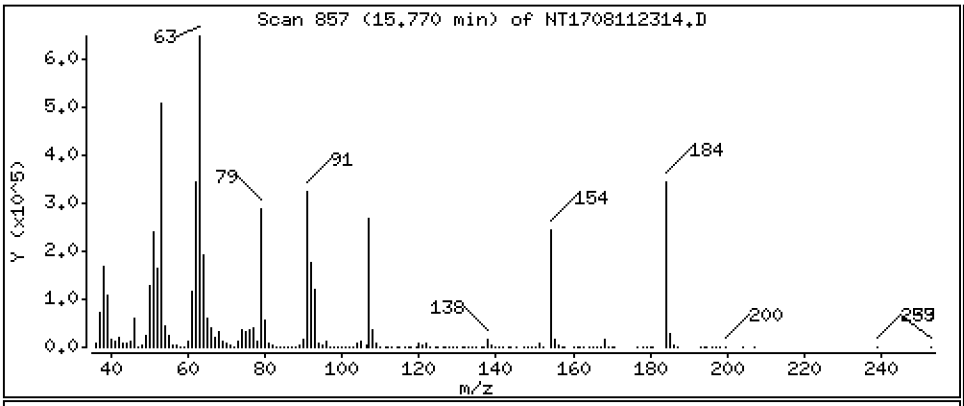
Operator: JGR

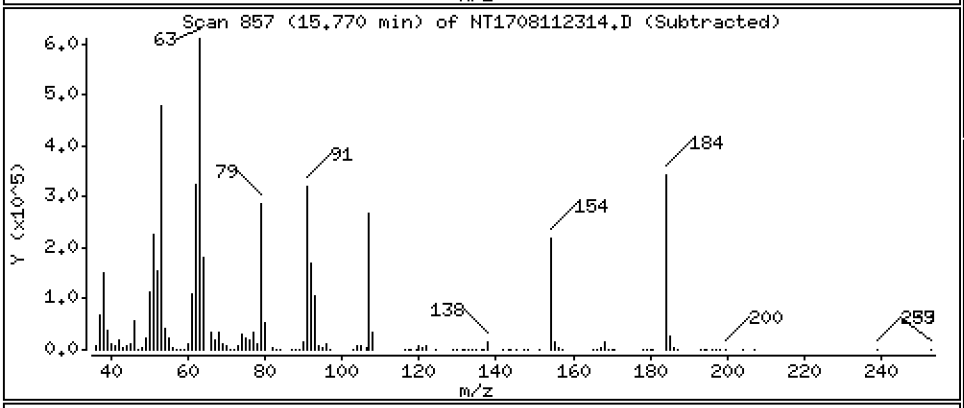
Column phase: ZB-5msi

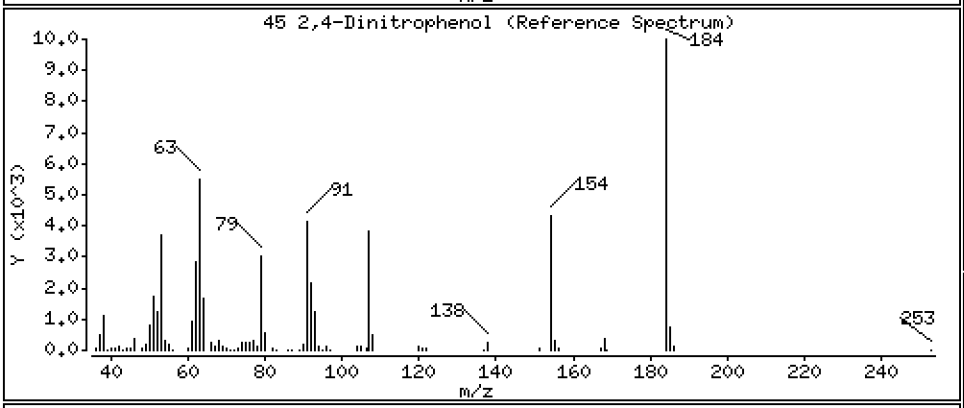
Column diameter: 0.25

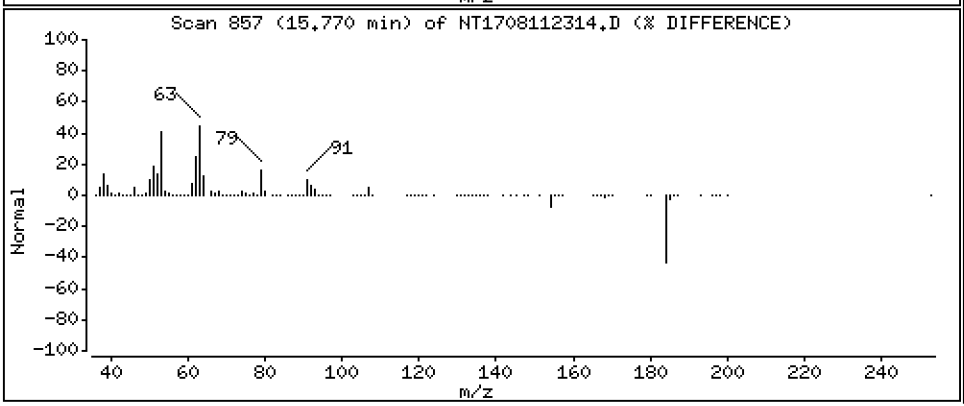
45 2,4-Dinitrophenol

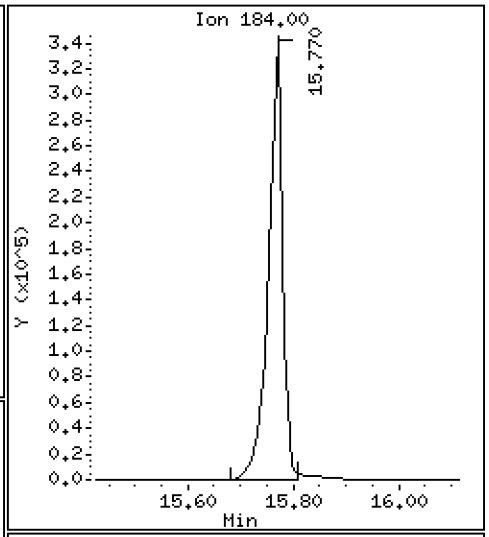
Concentration: 27.59 ug/mL

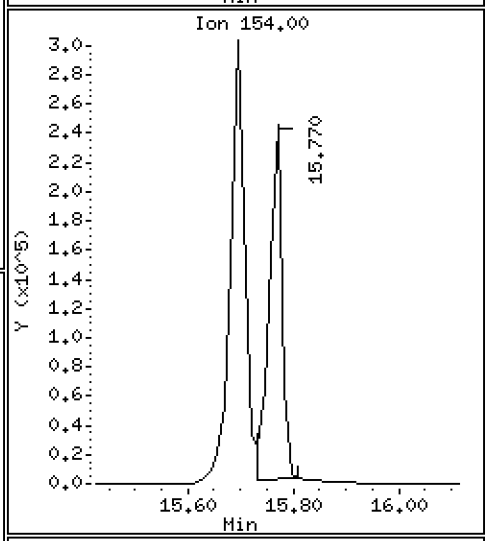


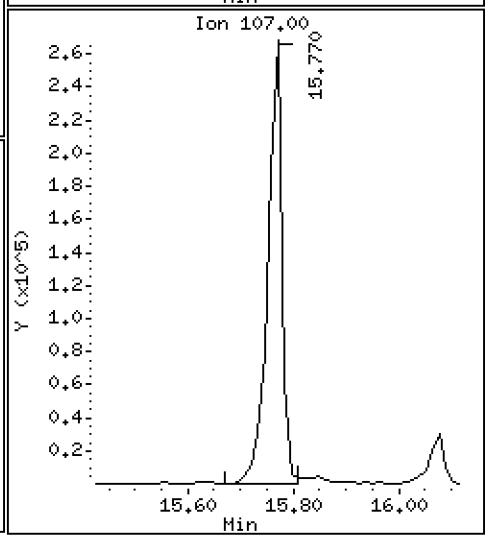












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

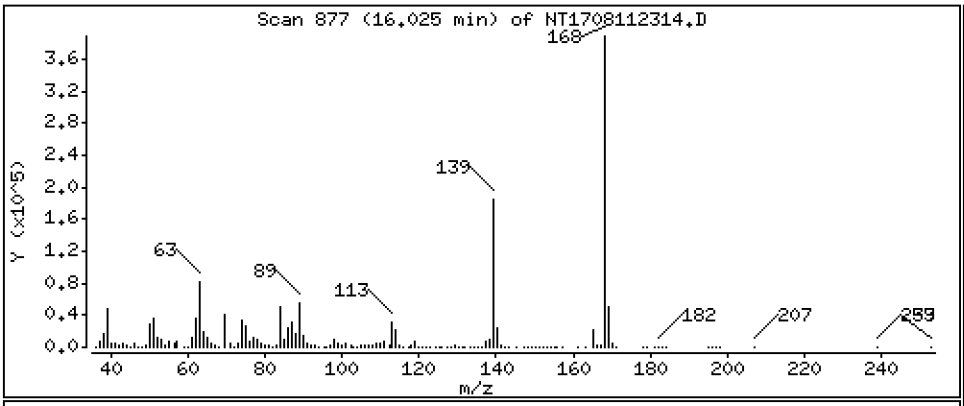
Operator: JGR

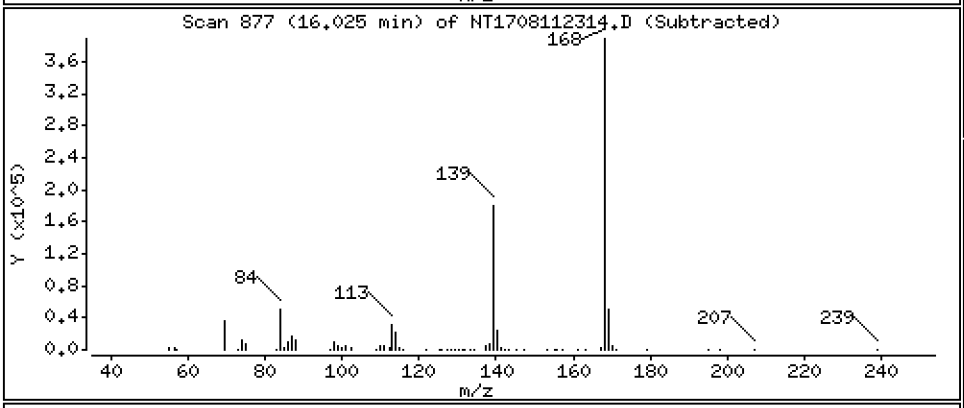
Column phase: ZB-5msi

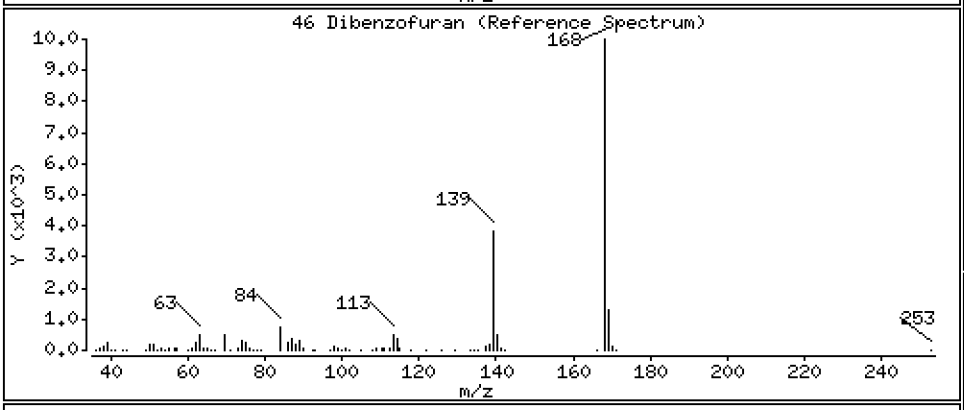
Column diameter: 0.25

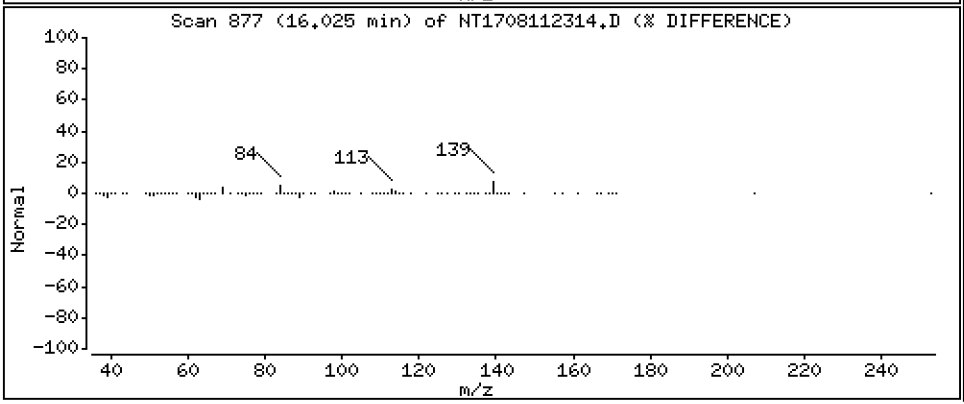
46 Dibenzofuran

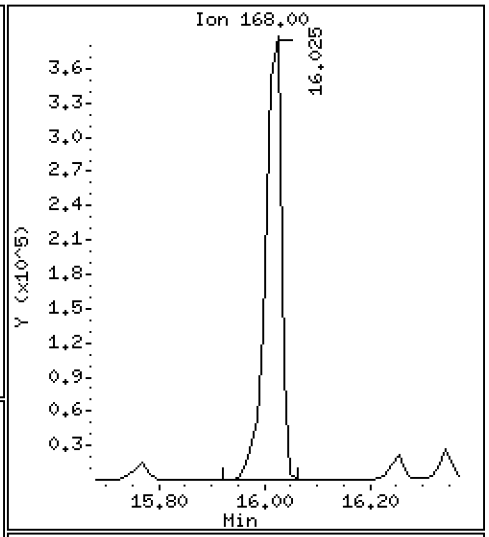
Concentration: 3.789 ug/mL

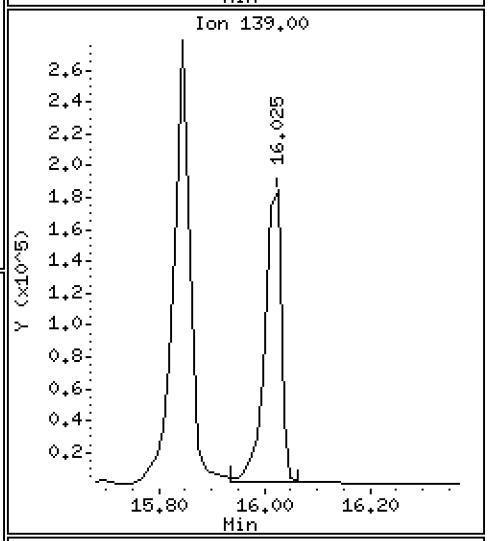


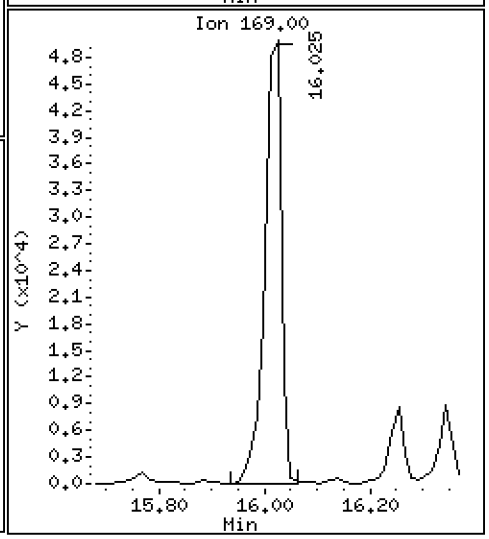












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

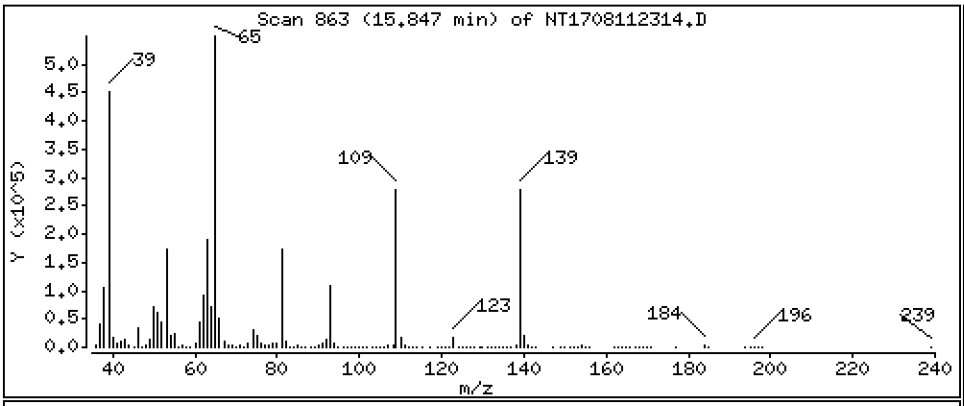
Operator: JGR

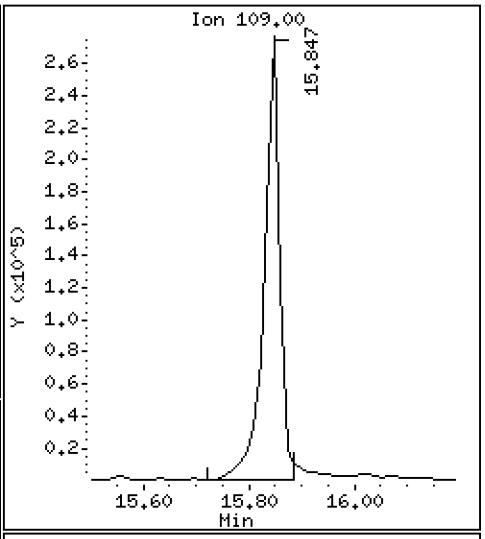
Column phase: ZB-5msi

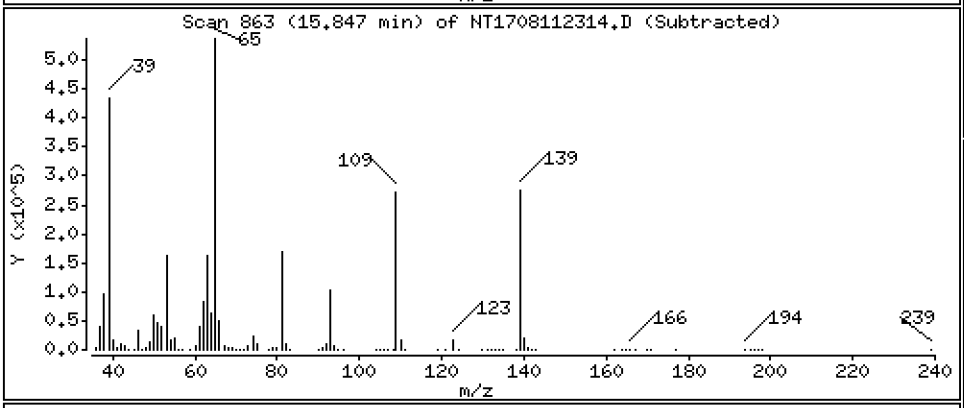
Column diameter: 0.25

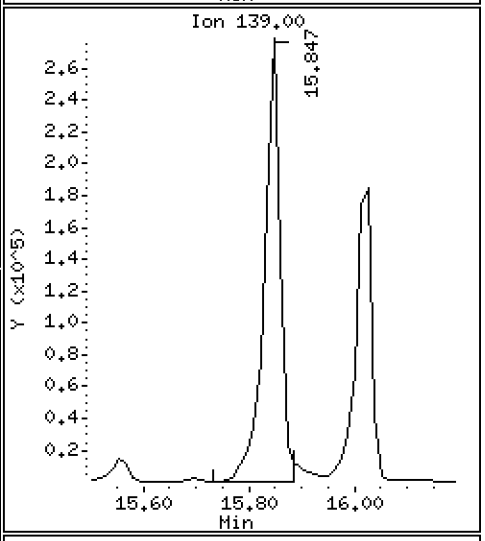
47 4-Nitrophenol

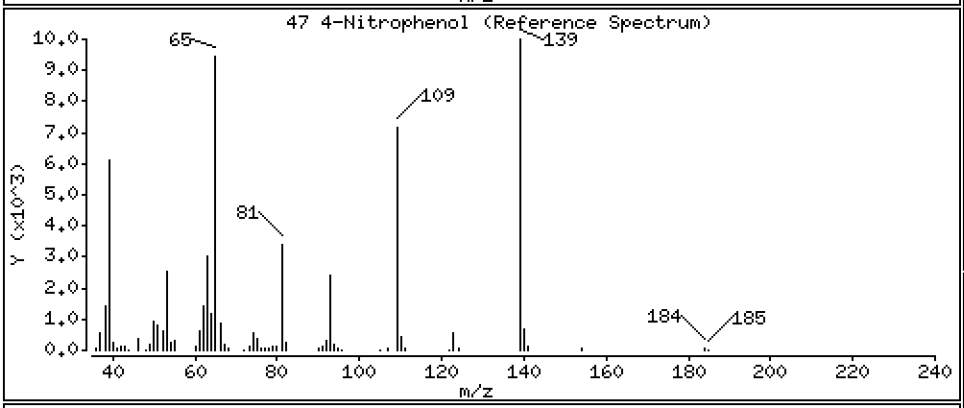
Concentration: 13.22 ug/mL

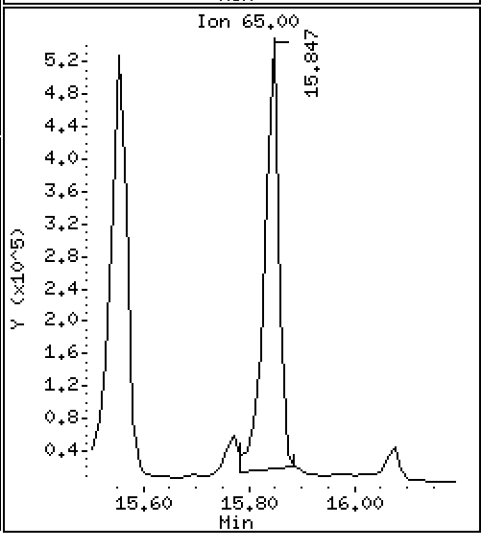


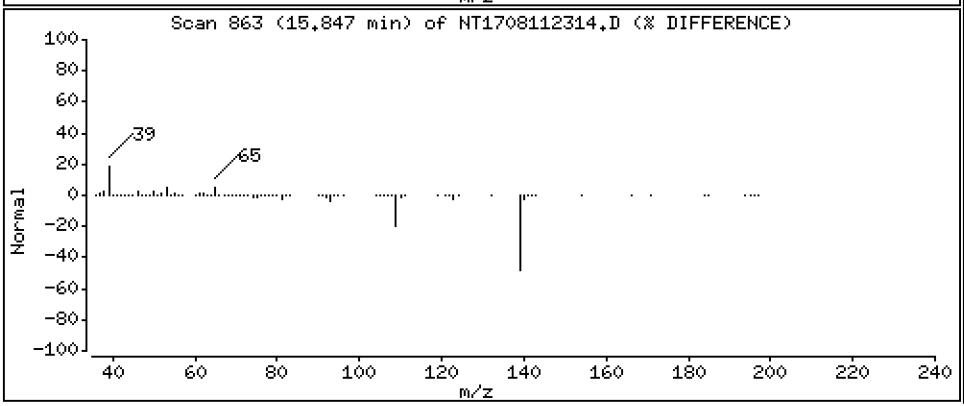












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

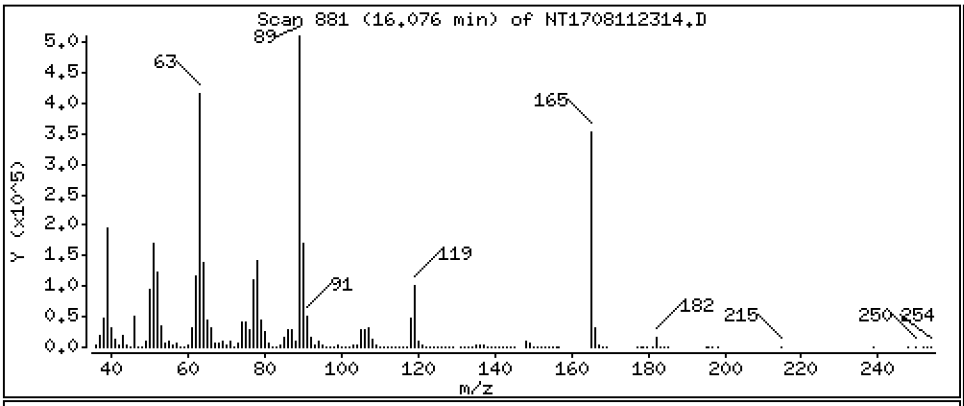
Operator: JGR

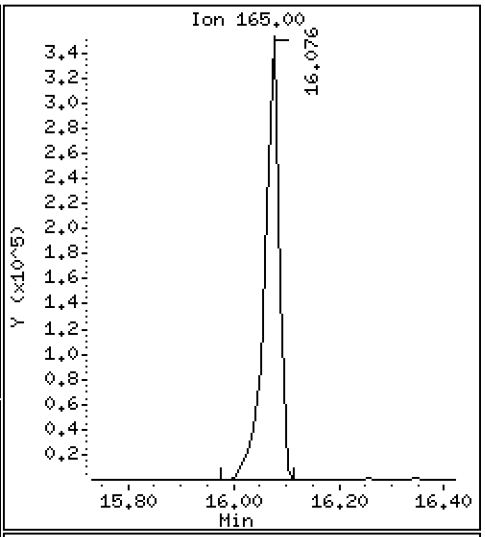
Column phase: ZB-5msi

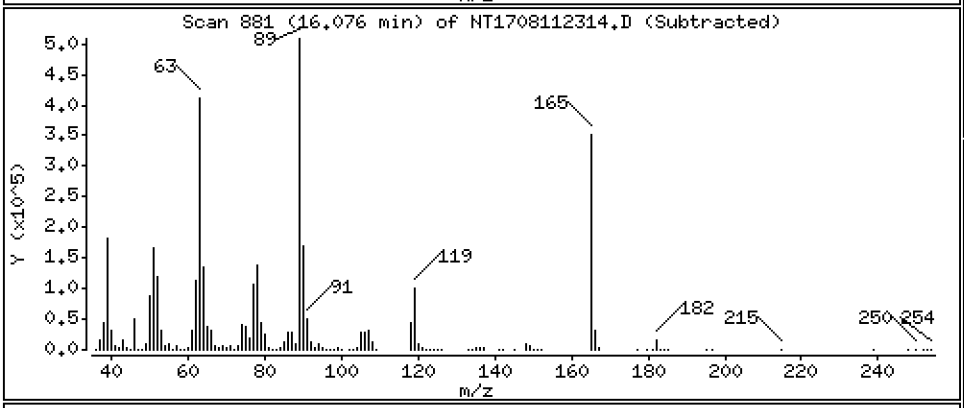
Column diameter: 0.25

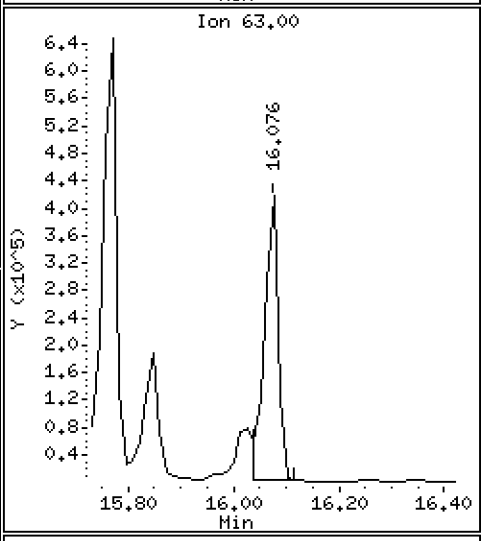
48 2,4-Dinitrotoluene

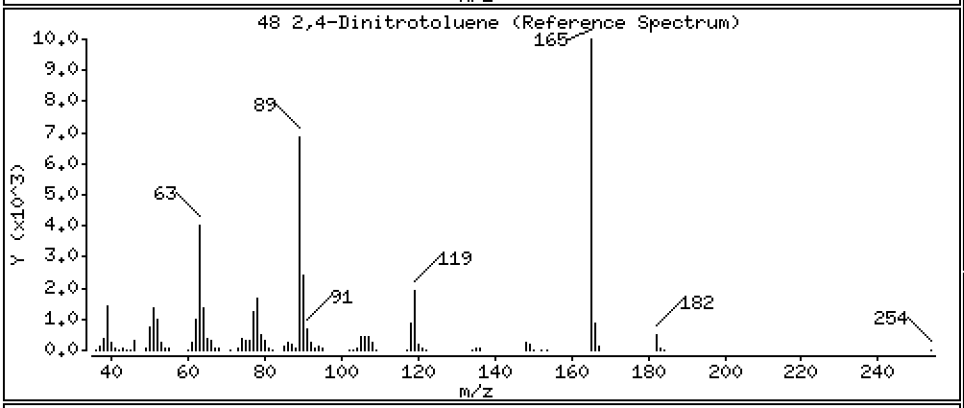
Concentration: 11.72 ug/mL

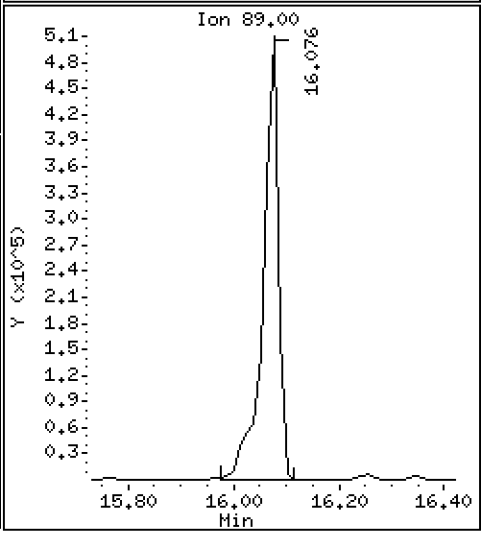


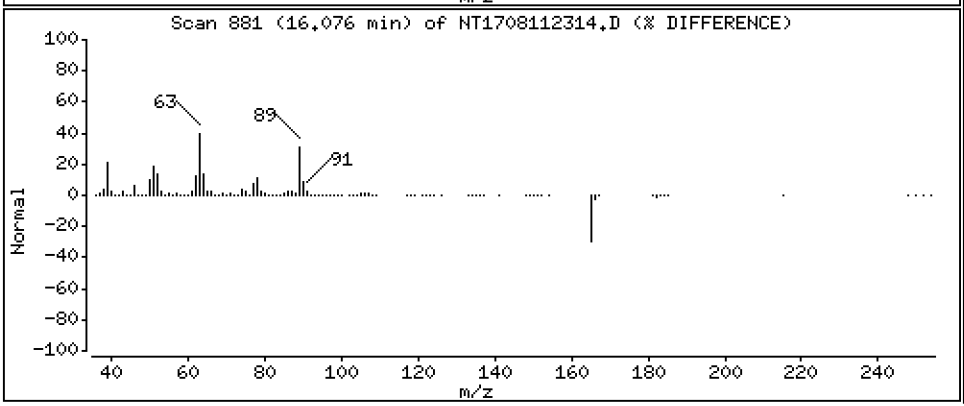












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

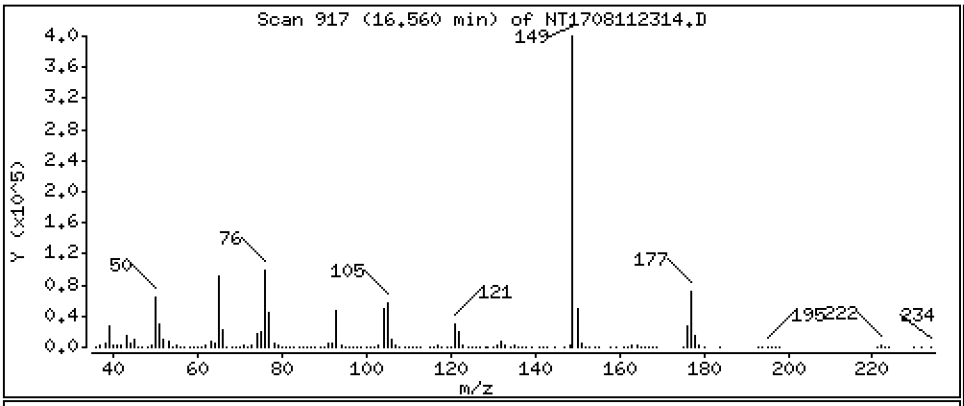
Operator: JGR

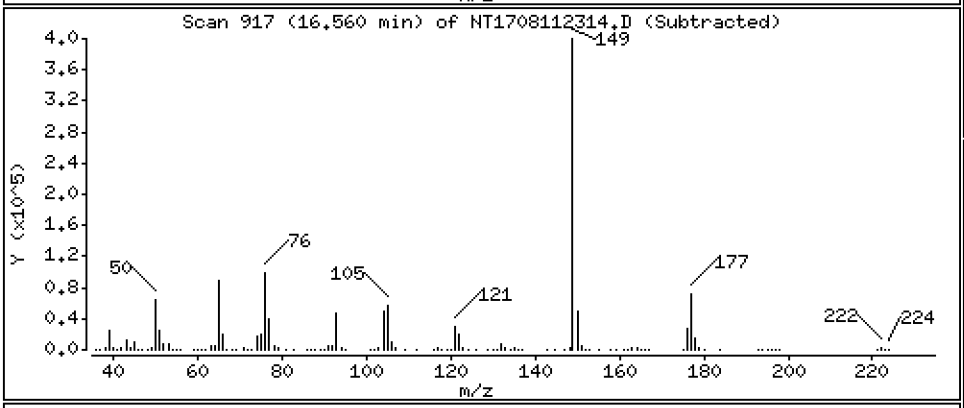
Column phase: ZB-5msi

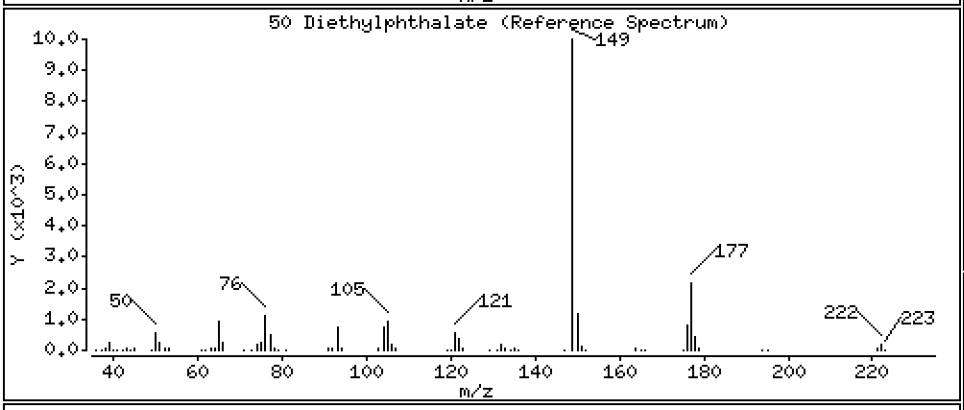
Column diameter: 0.25

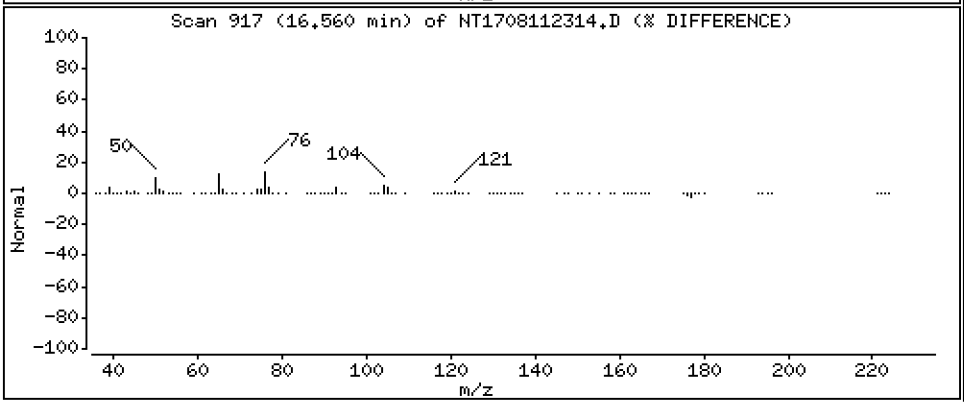
50 Diethylphthalate

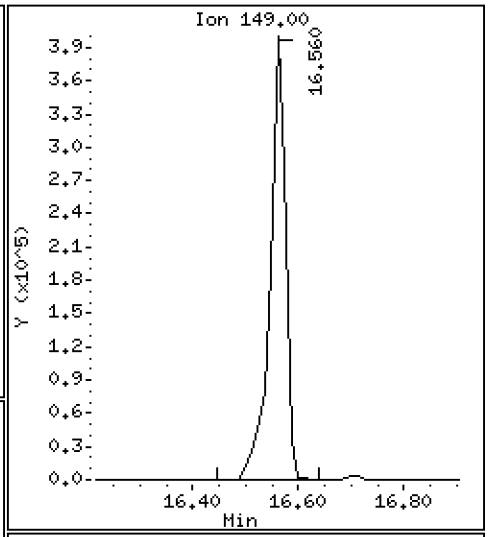
Concentration: 5.119 ug/mL

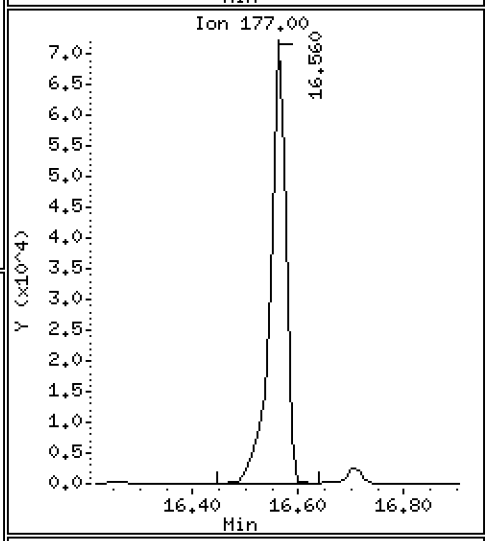


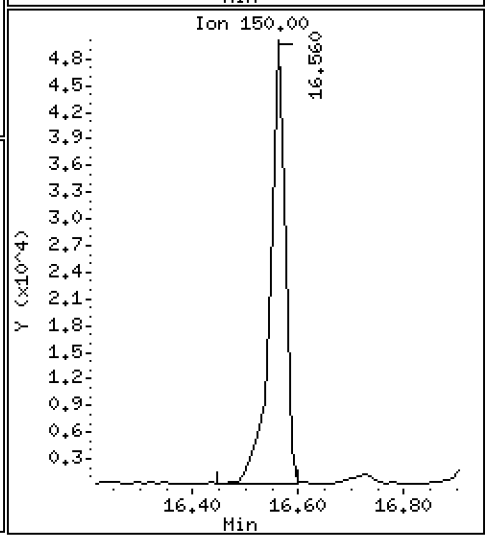












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

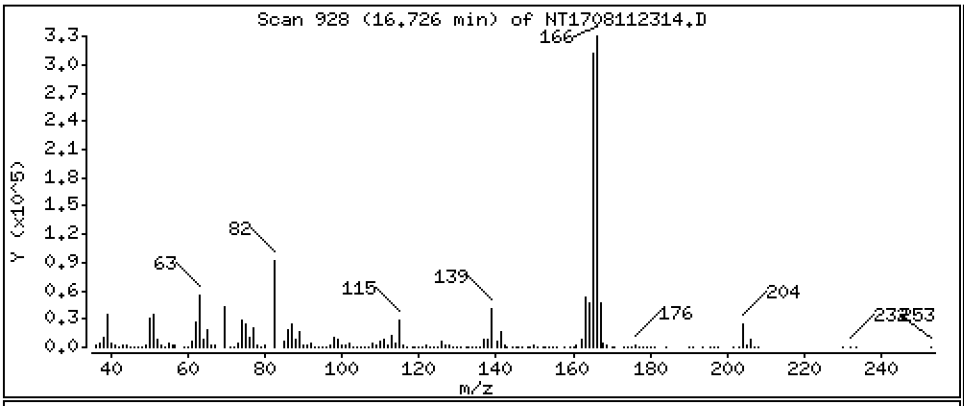
Operator: JGR

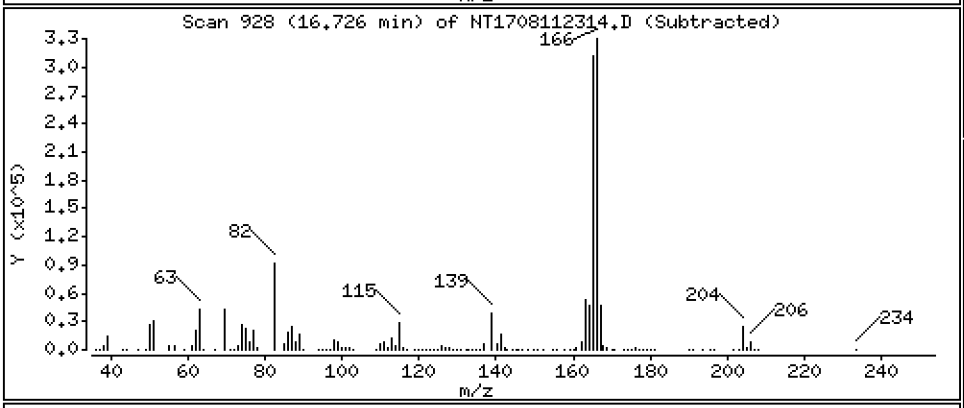
Column phase: ZB-5msi

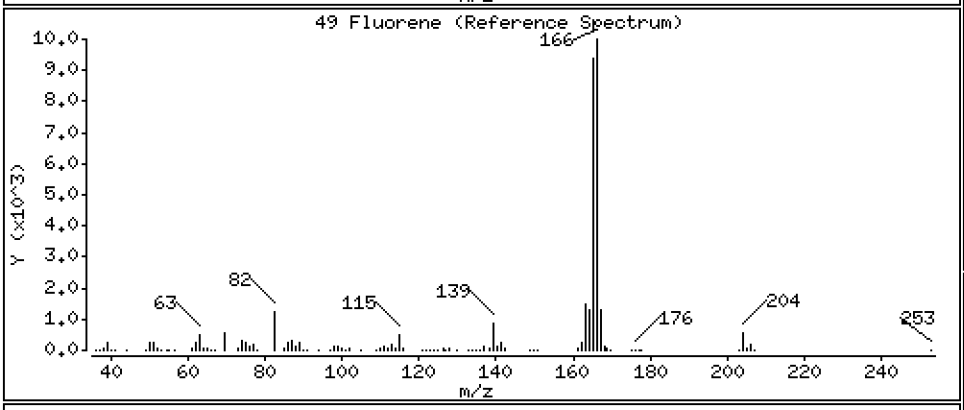
Column diameter: 0.25

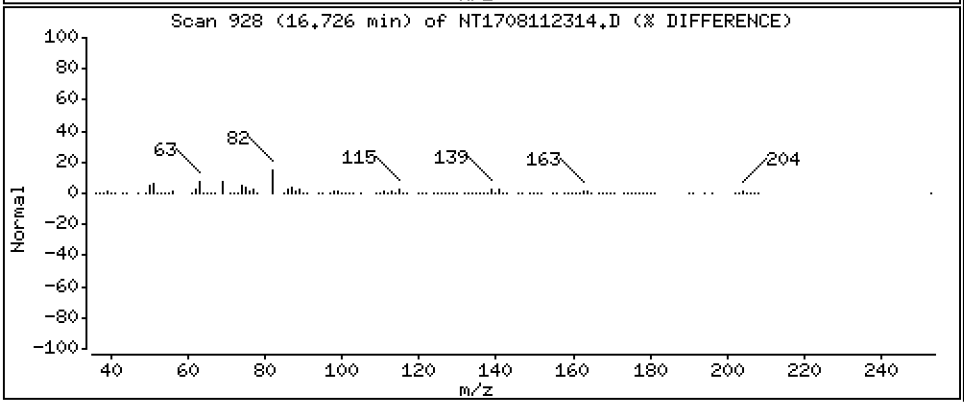
49 Fluorene

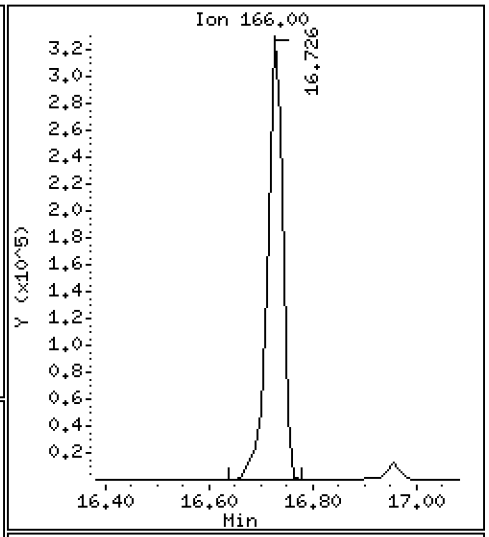
Concentration: 3.929 ug/mL

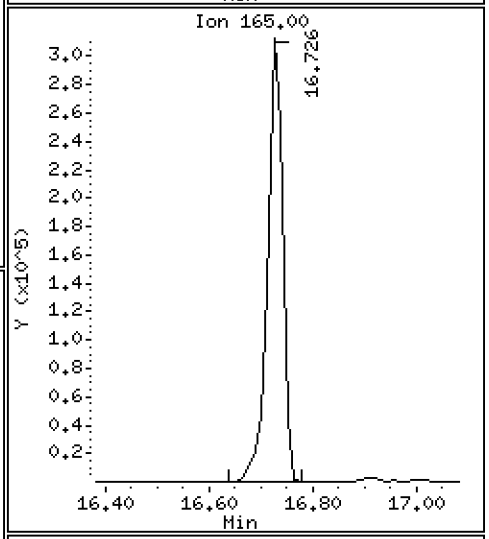


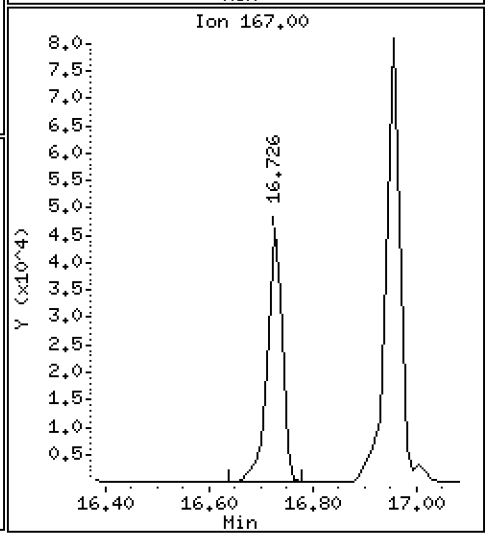












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

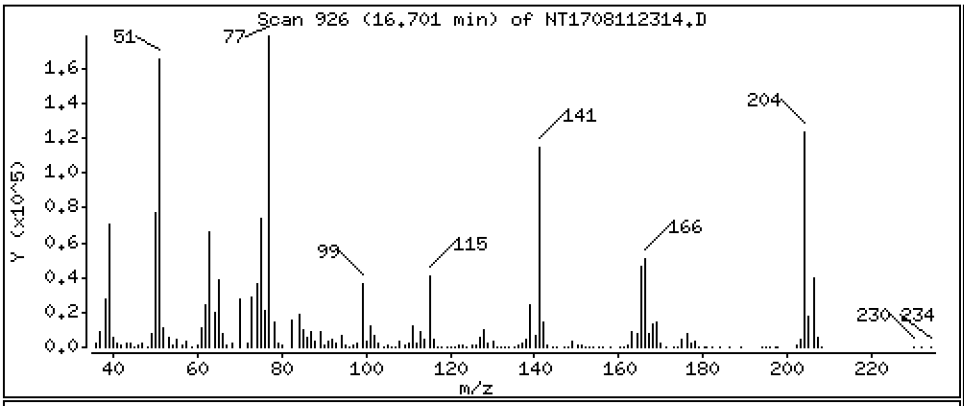
Operator: JGR

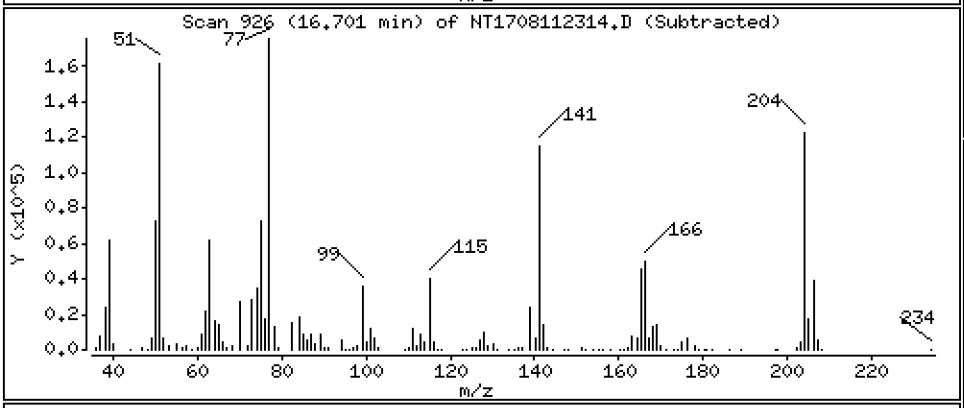
Column phase: ZB-5msi

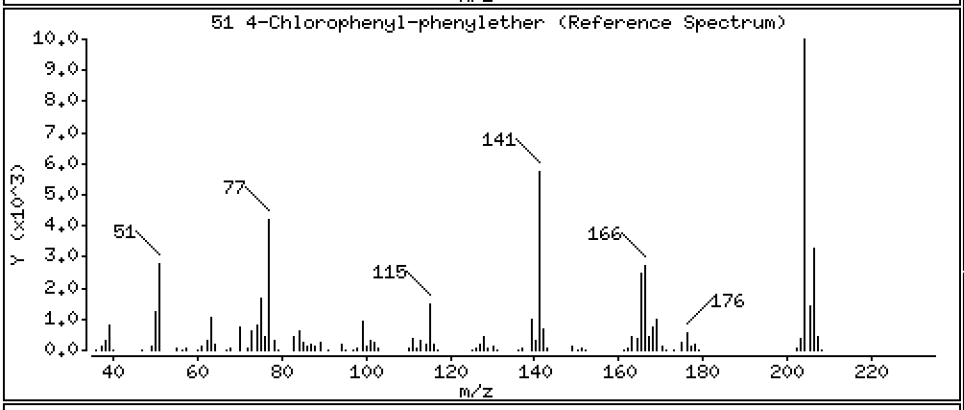
Column diameter: 0.25

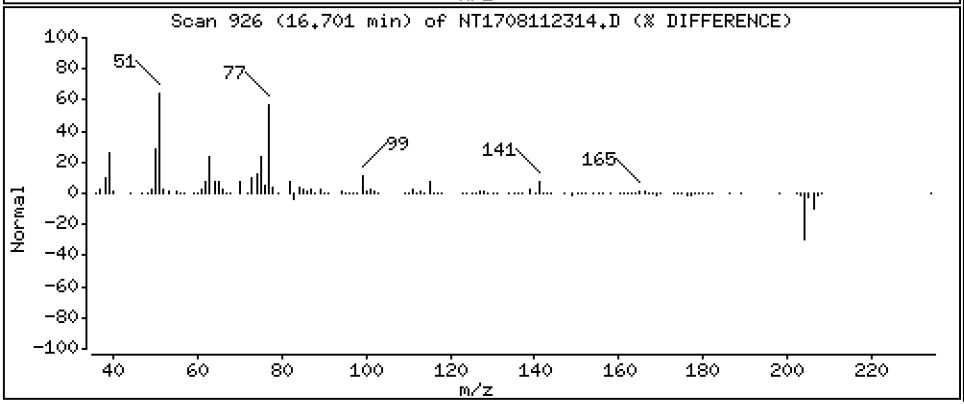
51 4-Chlorophenyl-phenylether

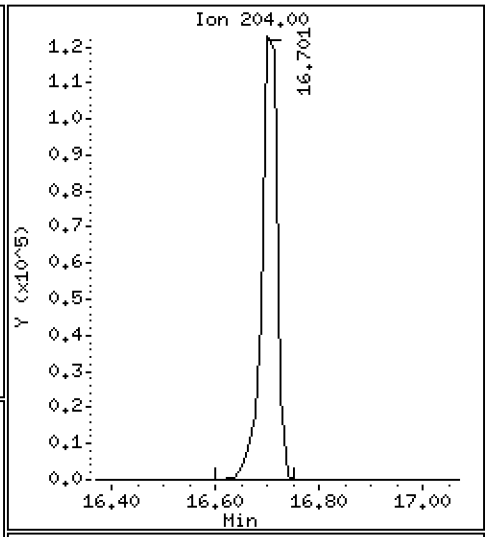
Concentration: 4.068 ug/mL

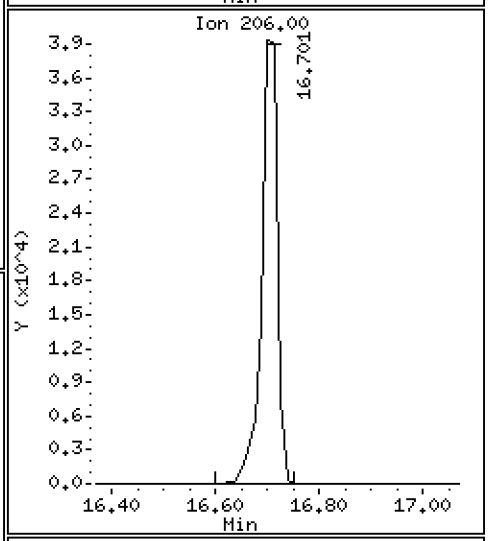


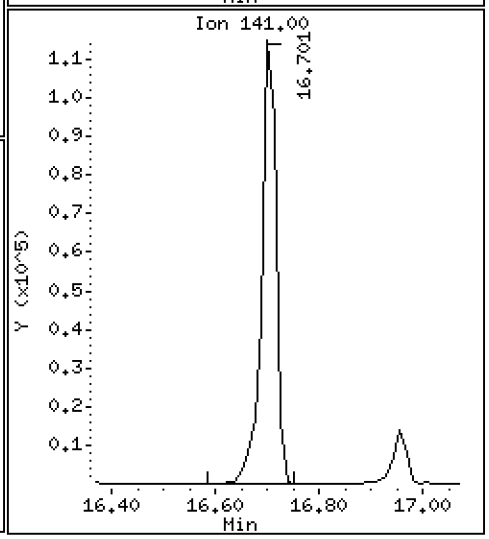












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

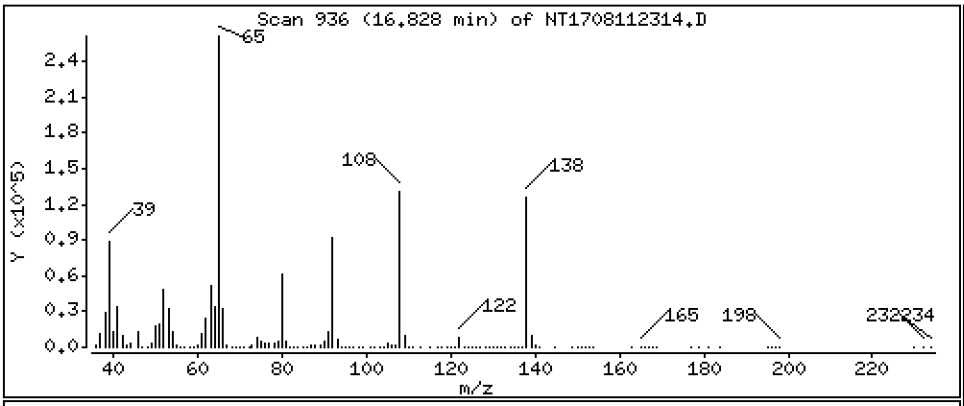
Operator: JGR

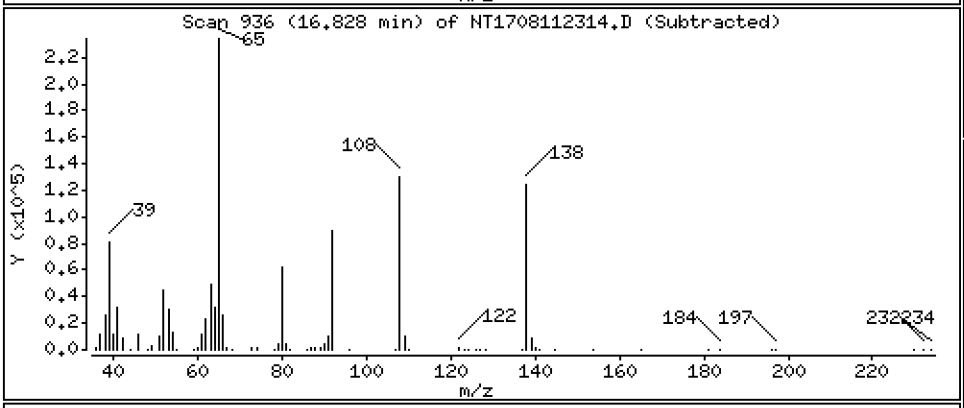
Column phase: ZB-5msi

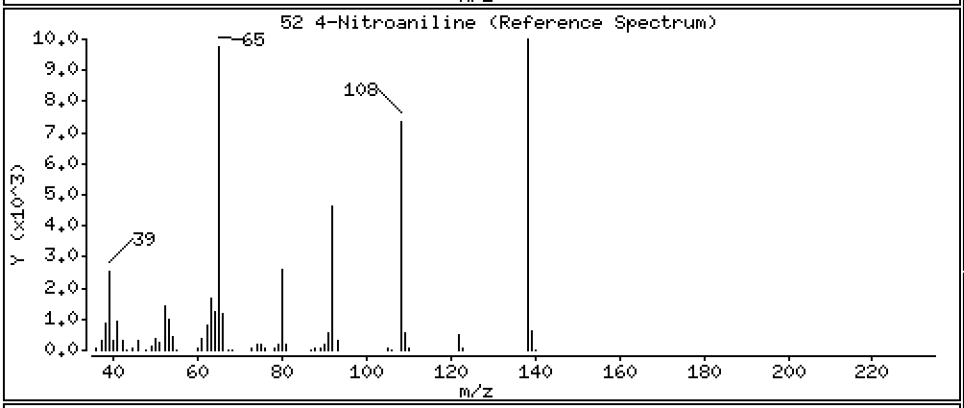
Column diameter: 0.25

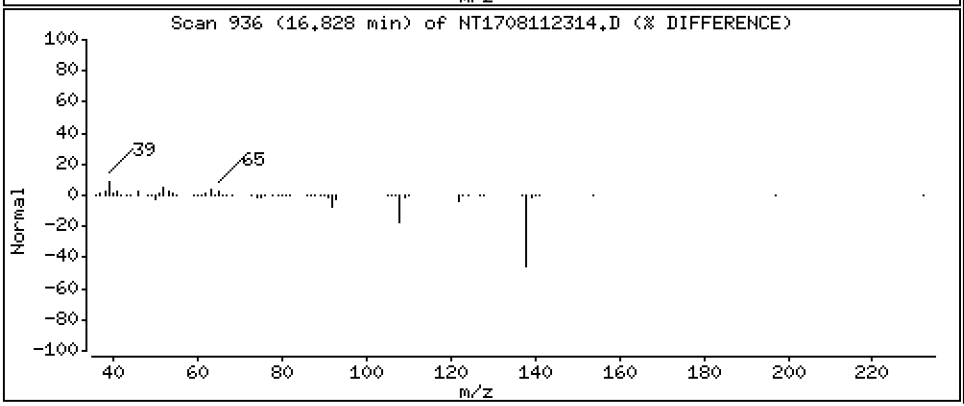
52 4-Nitroaniline

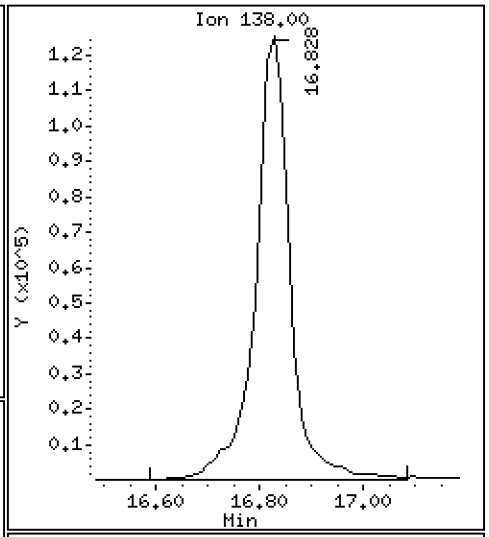
Concentration: 12.69 ug/mL

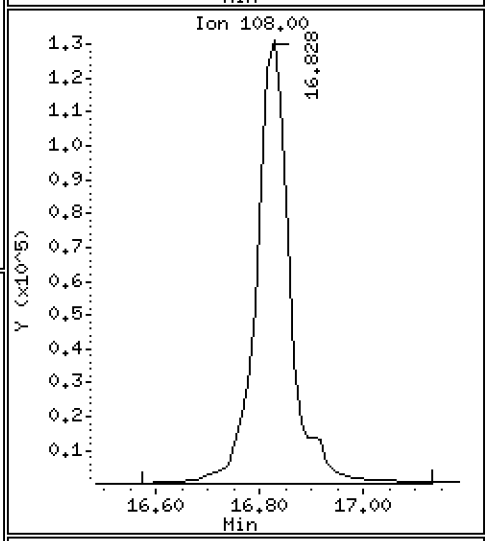


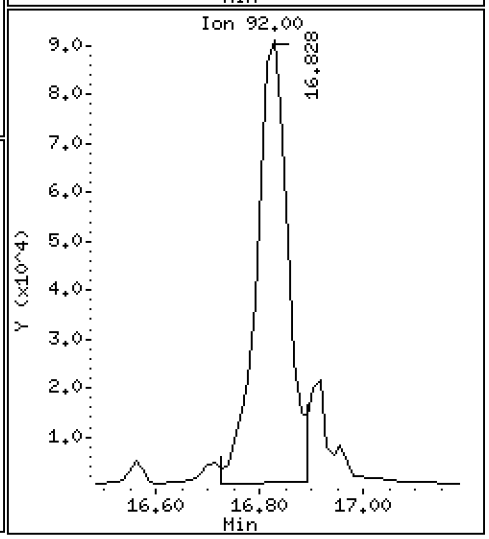












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

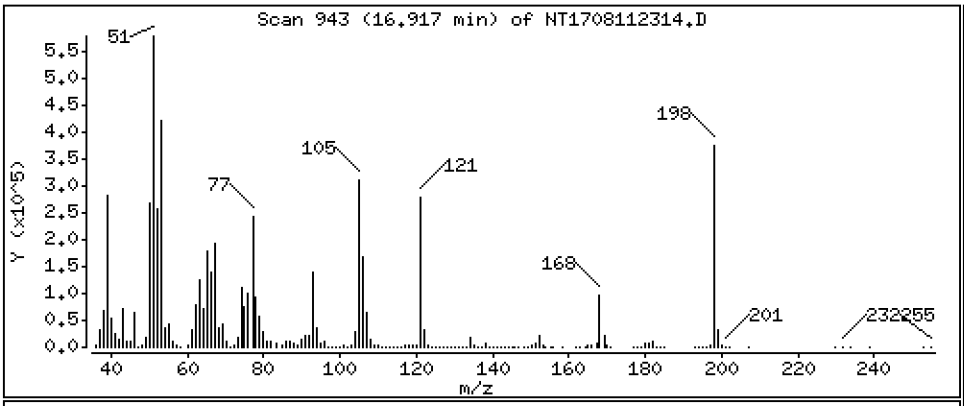
Operator: JGR

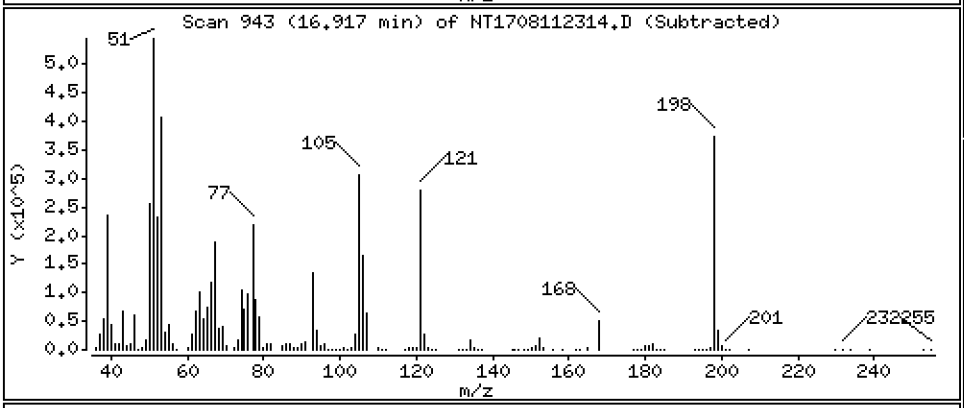
Column phase: ZB-5msi

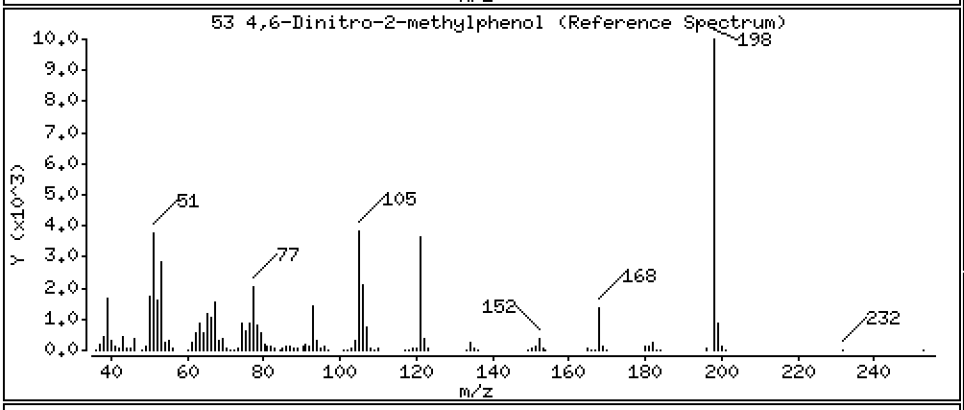
Column diameter: 0.25

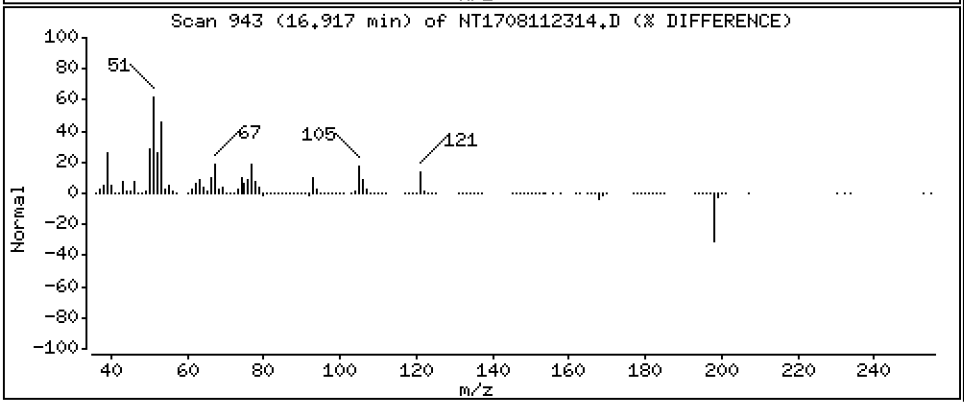
53 4,6-Dinitro-2-methylphenol

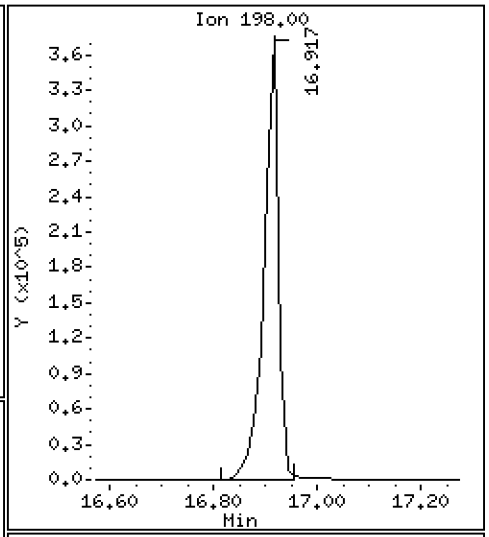
Concentration: 24.12 ug/mL

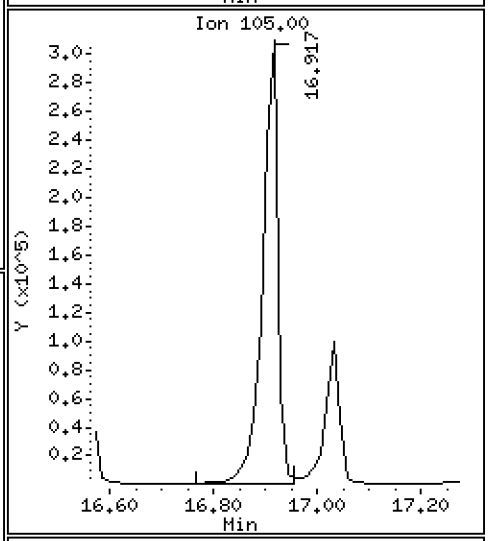


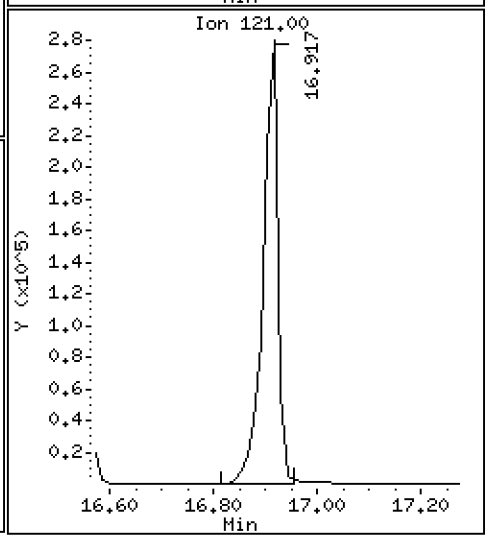












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

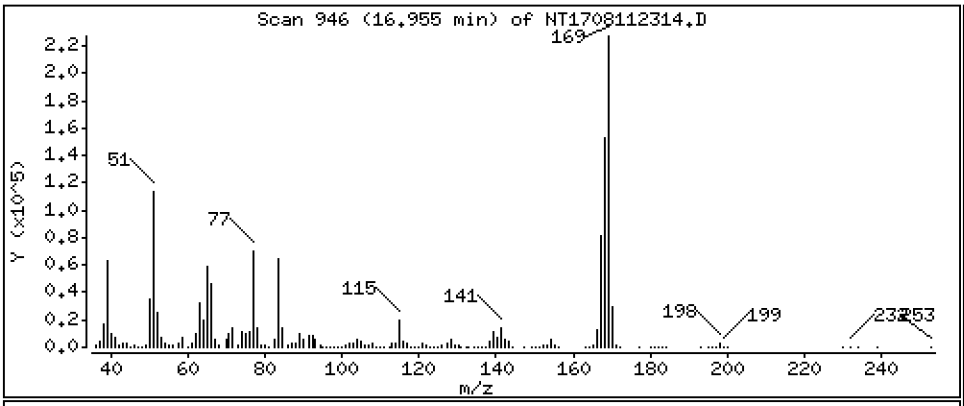
Operator: JGR

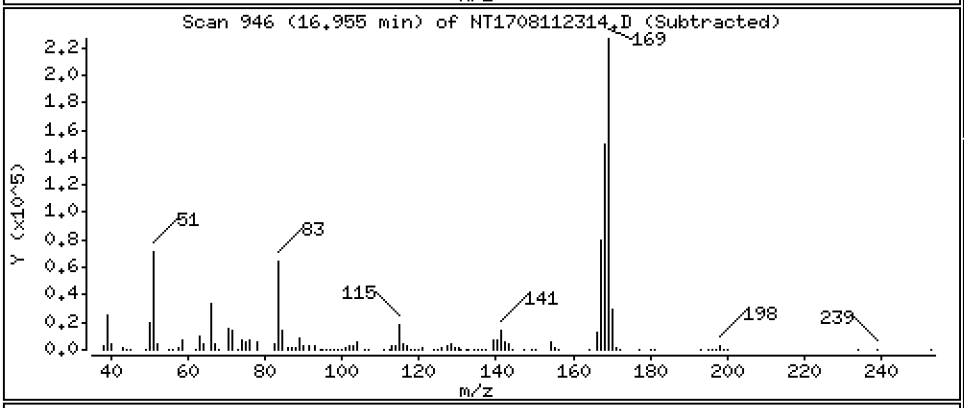
Column phase: ZB-5msi

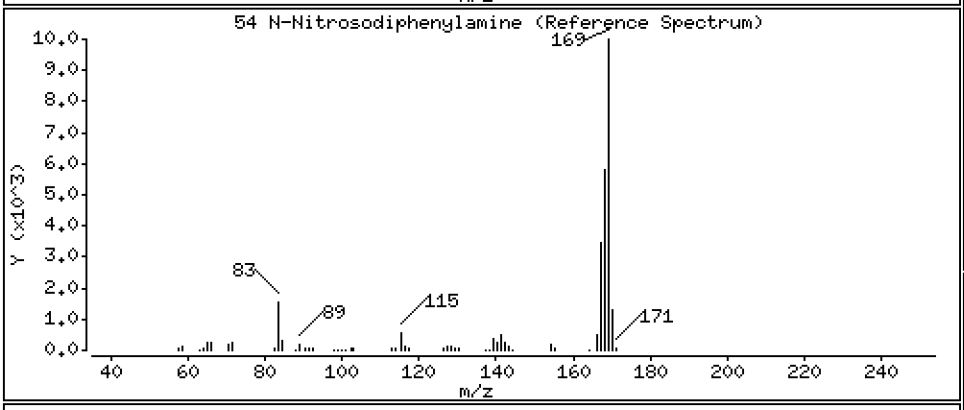
Column diameter: 0.25

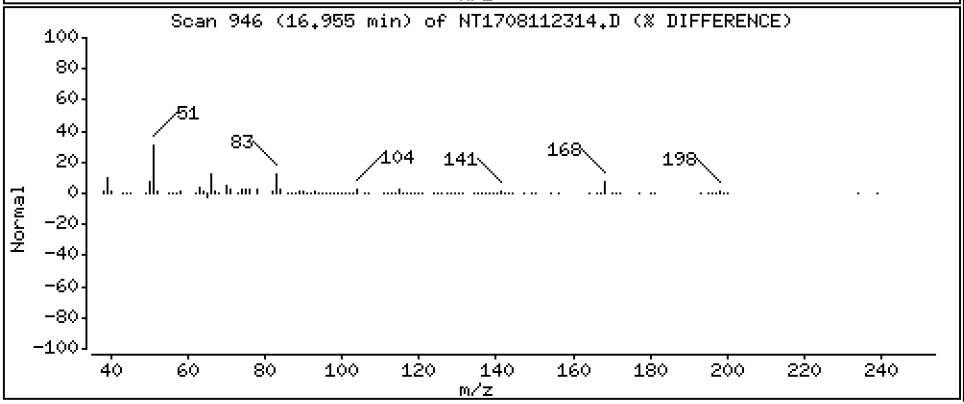
54 N-Nitrosodiphenylamine

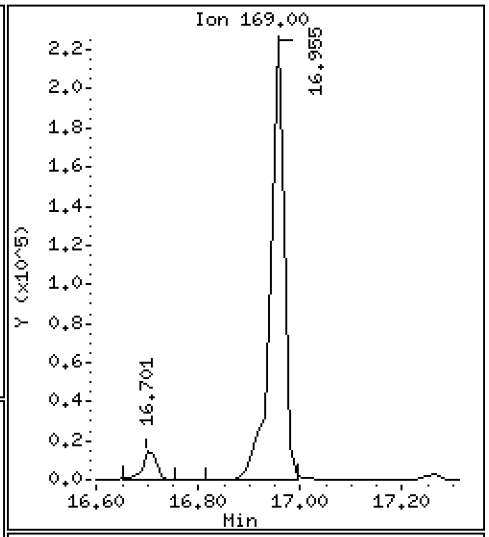
Concentration: 3.586 ug/mL

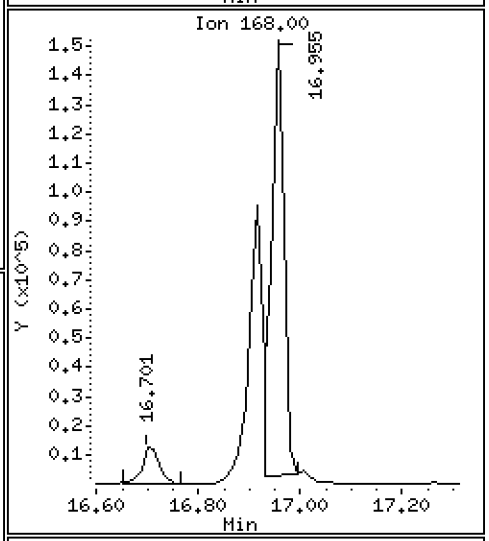


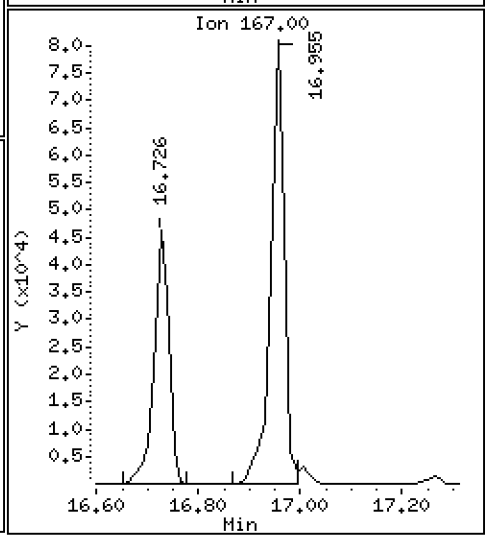












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

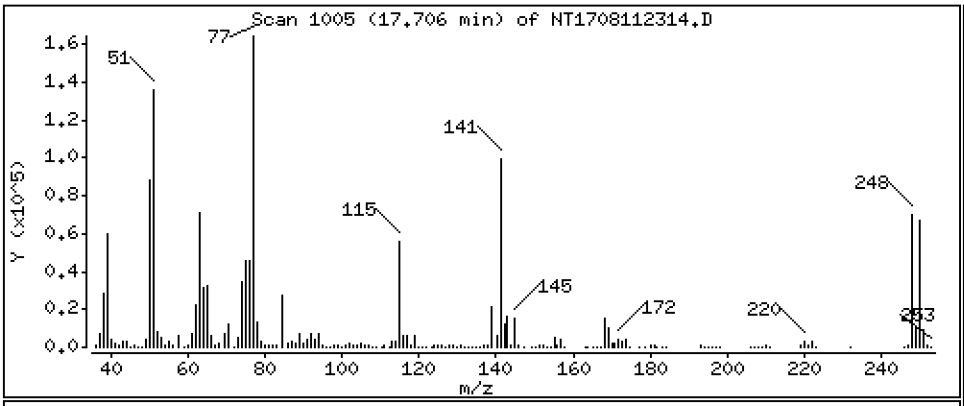
Operator: JGR

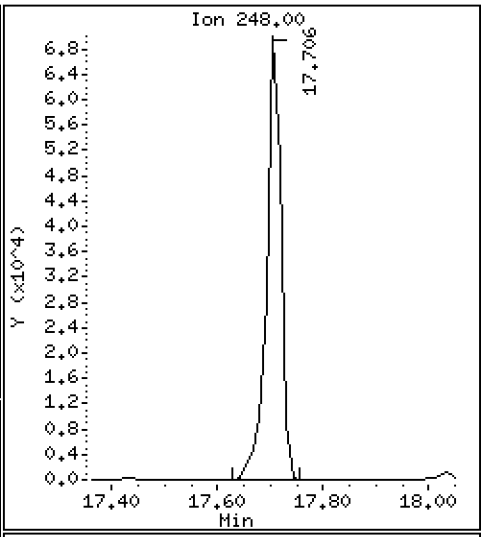
Column phase: ZB-5msi

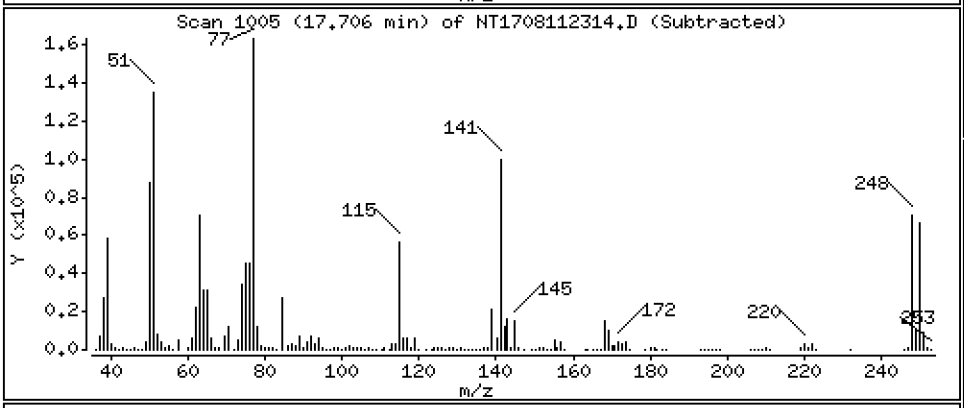
Column diameter: 0.25

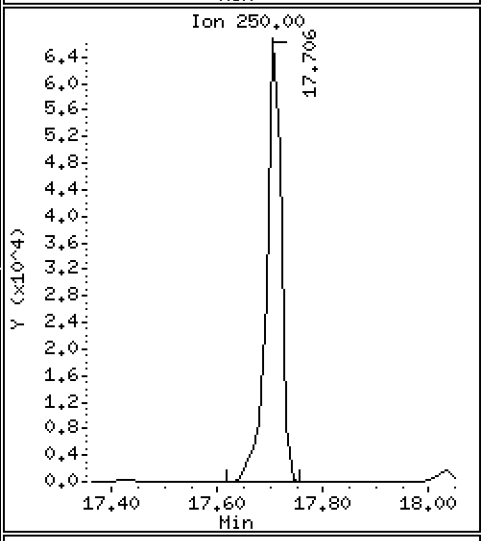
56 4-Bromophenyl-phenylether

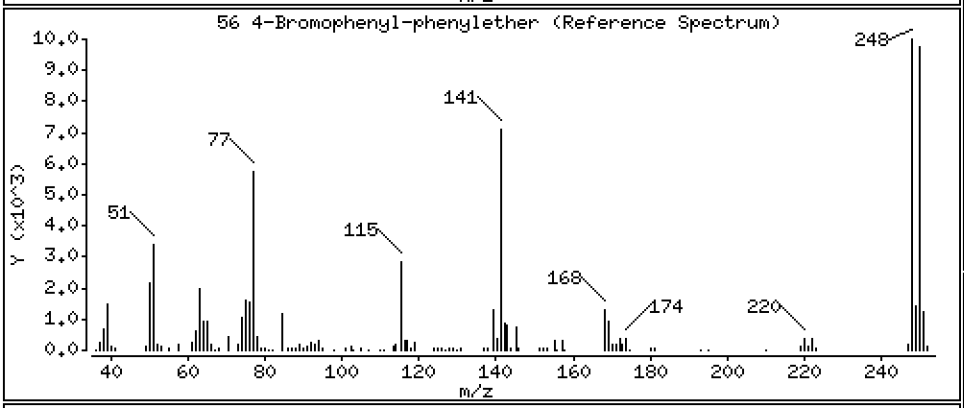
Concentration: 4.057 ug/mL

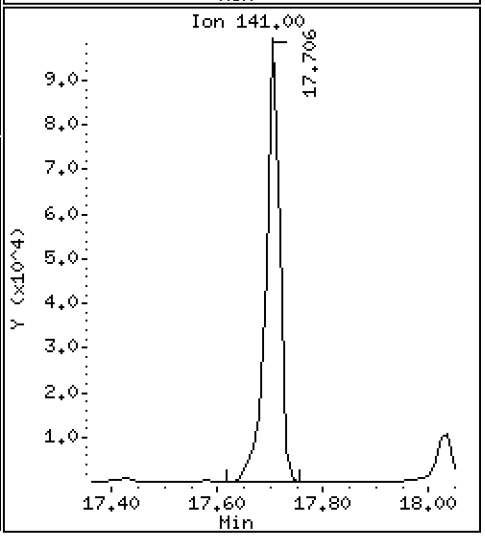


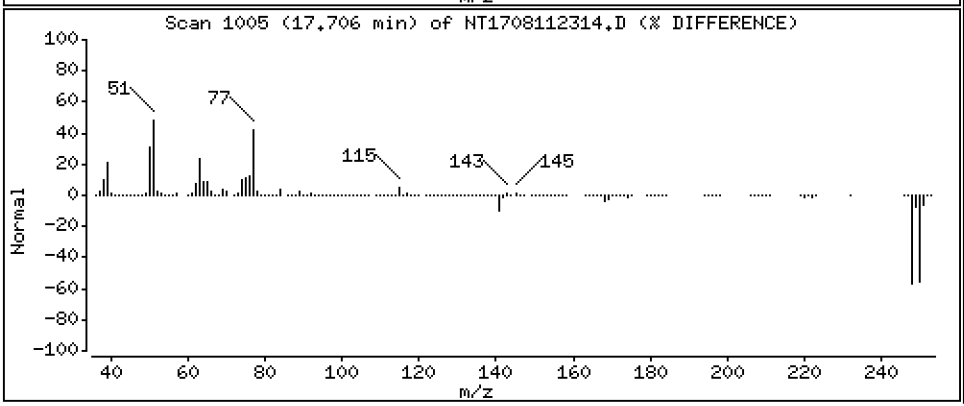












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

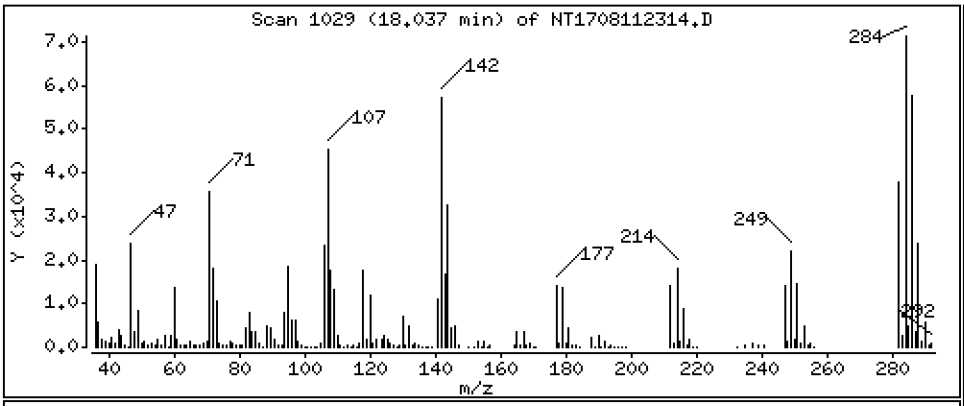
Operator: JGR

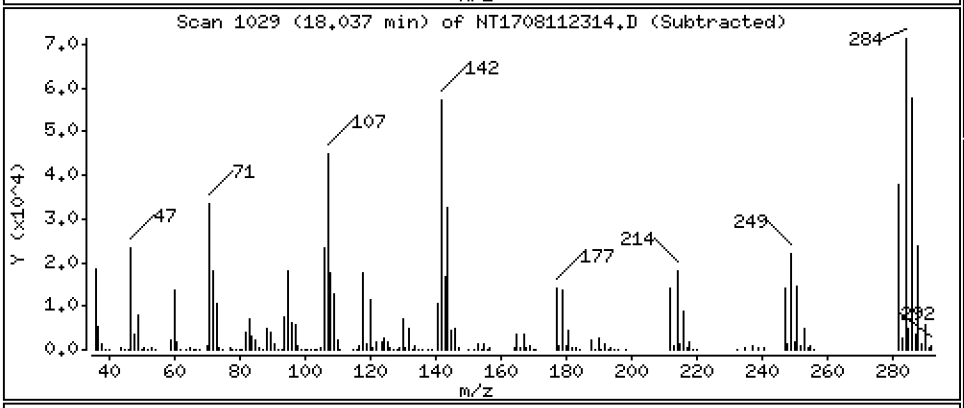
Column phase: ZB-5msi

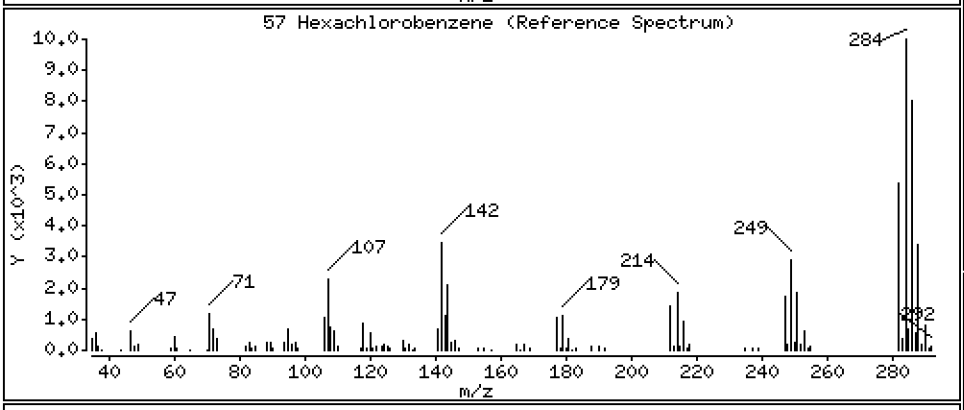
Column diameter: 0.25

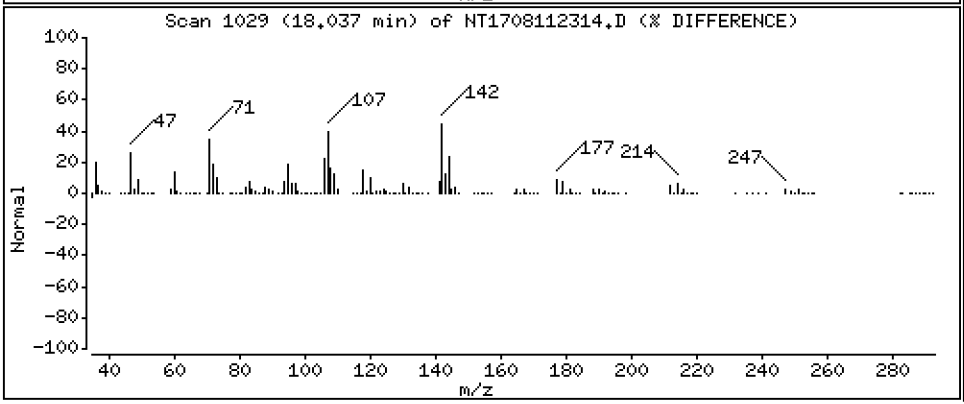
57 Hexachlorobenzene

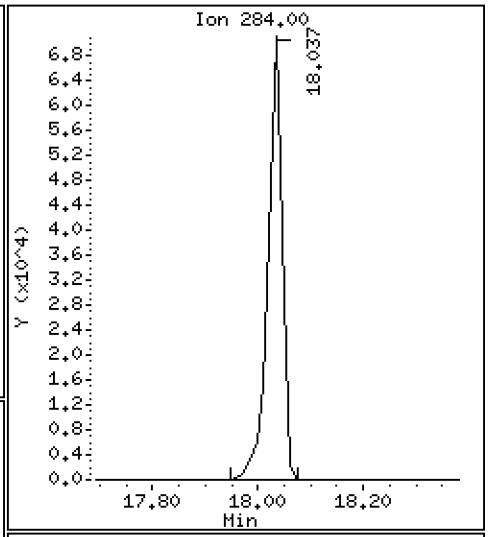
Concentration: 3.700 ug/mL

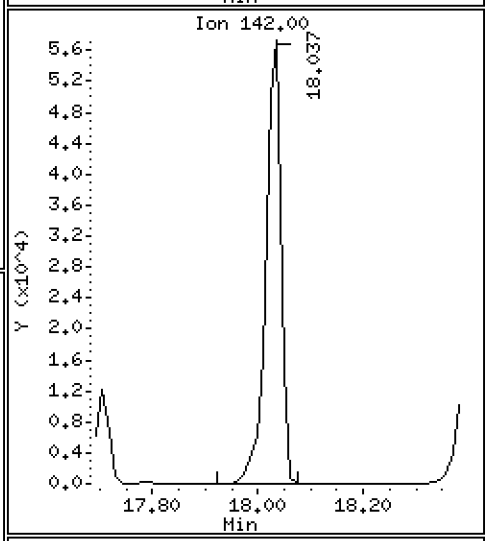


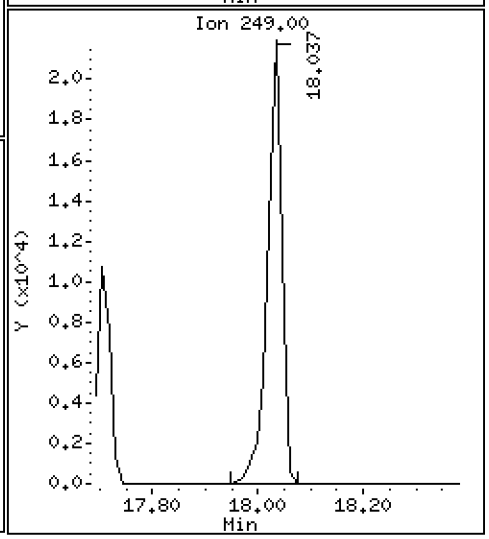












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

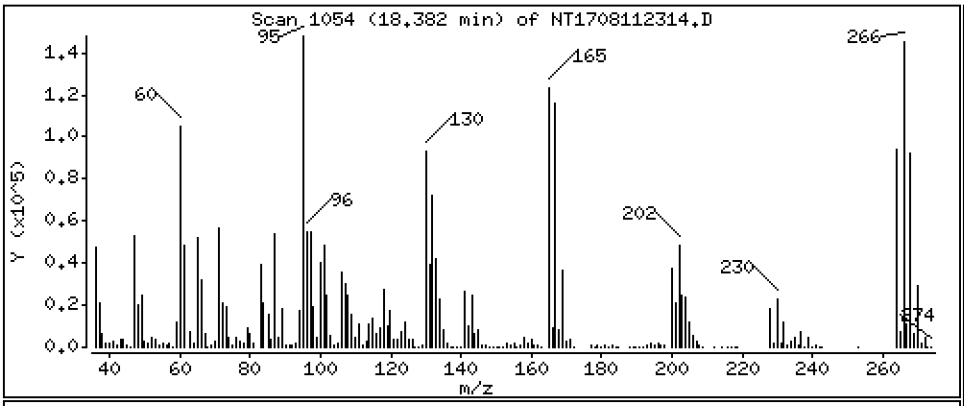
Operator: JGR

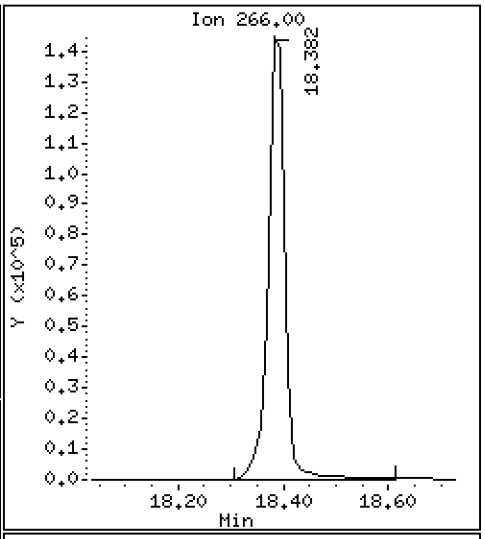
Column phase: ZB-5msi

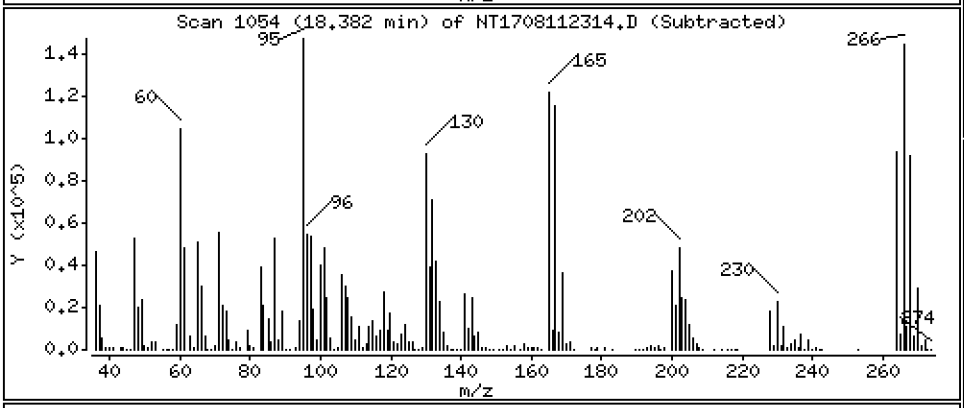
Column diameter: 0.25

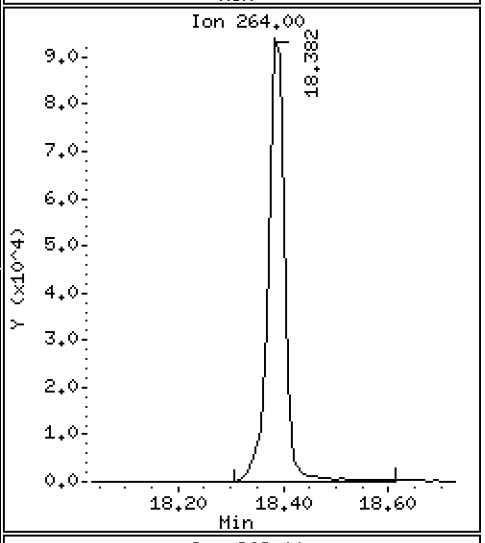
58 Pentachlorophenol

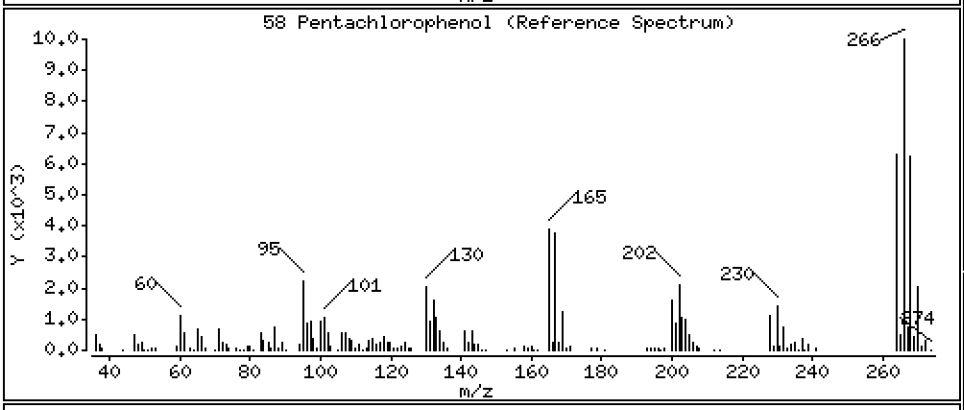
Concentration: 14.28 ug/mL

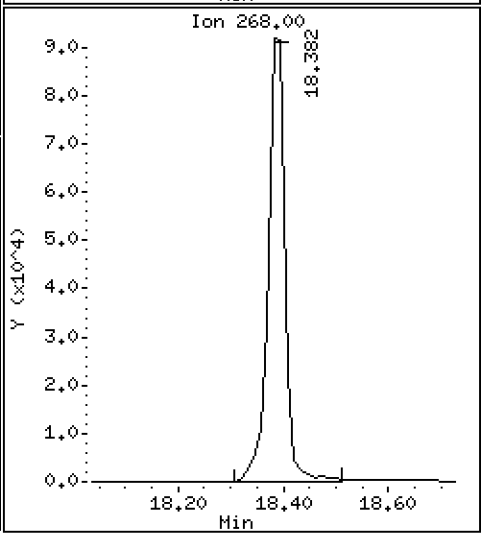


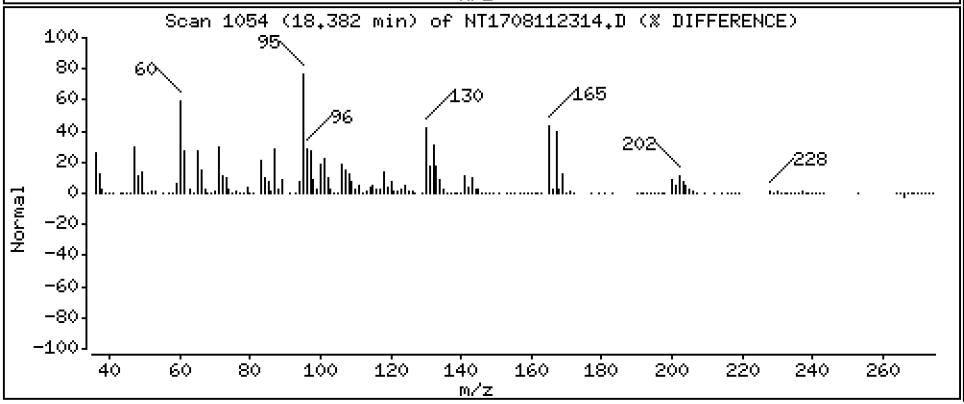












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

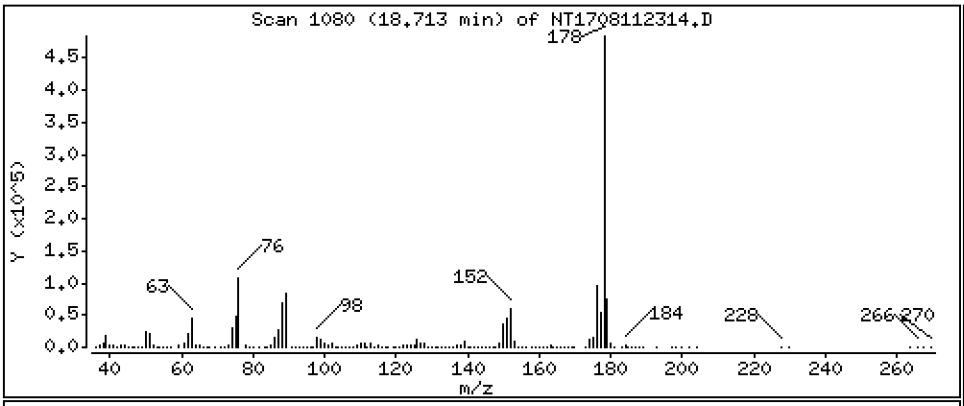
Operator: JGR

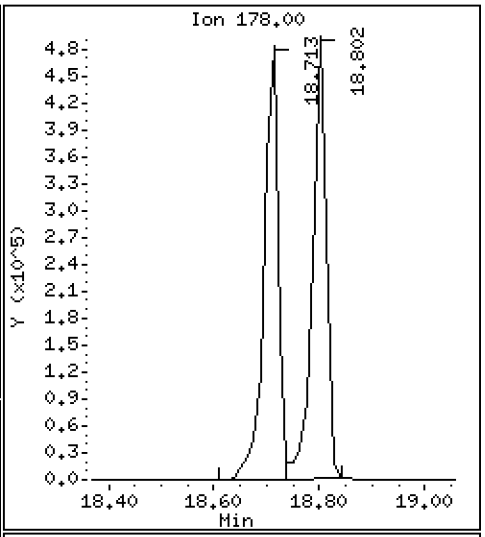
Column phase: ZB-5msi

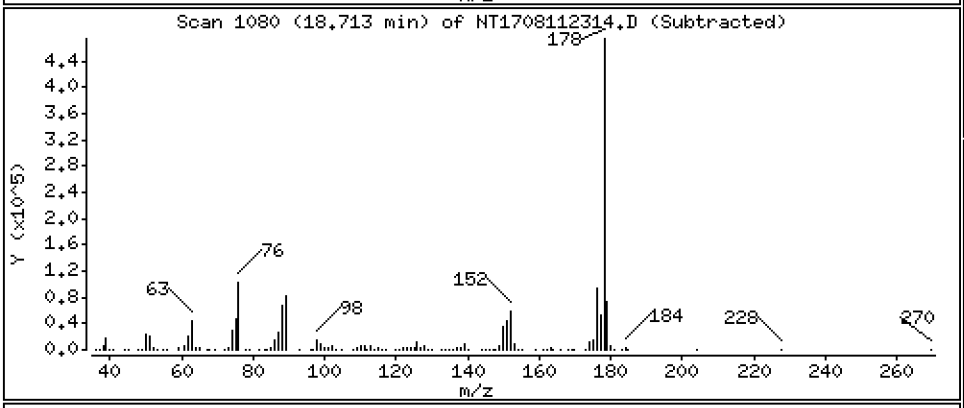
Column diameter: 0.25

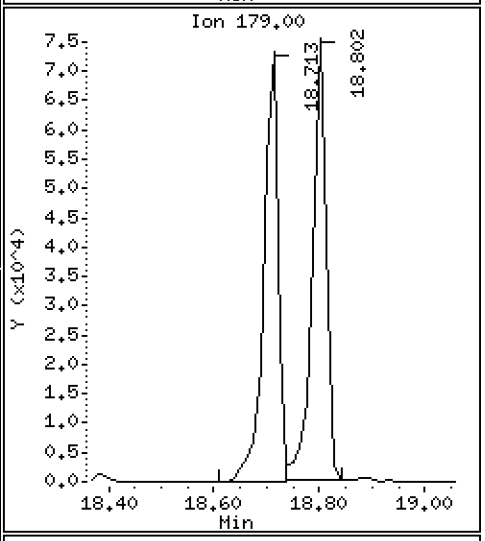
60 Phenanthrene

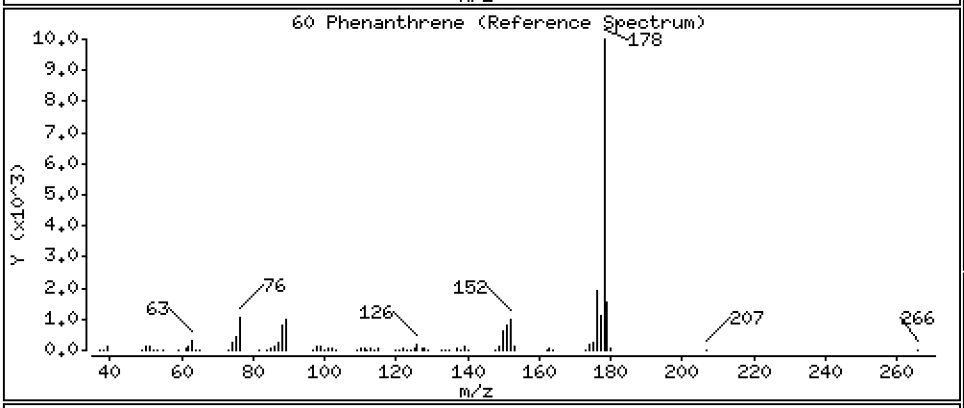
Concentration: 4.100 ug/mL

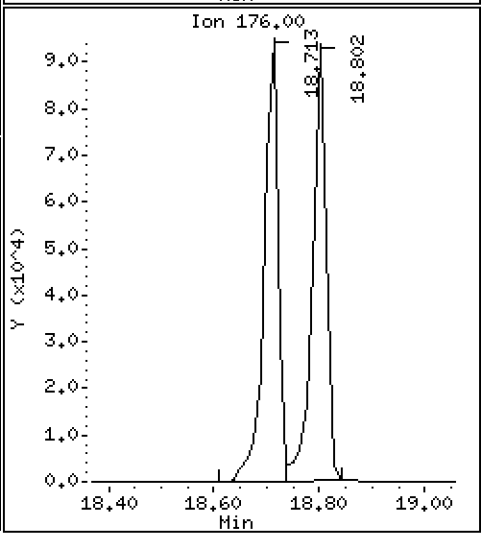


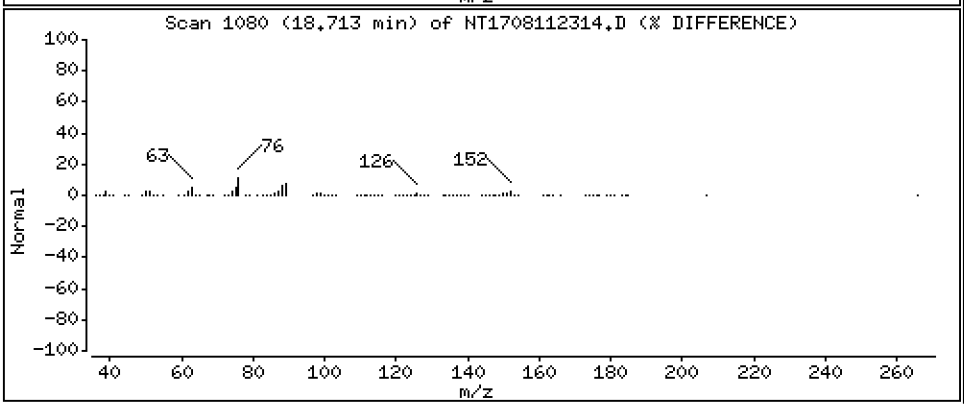












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

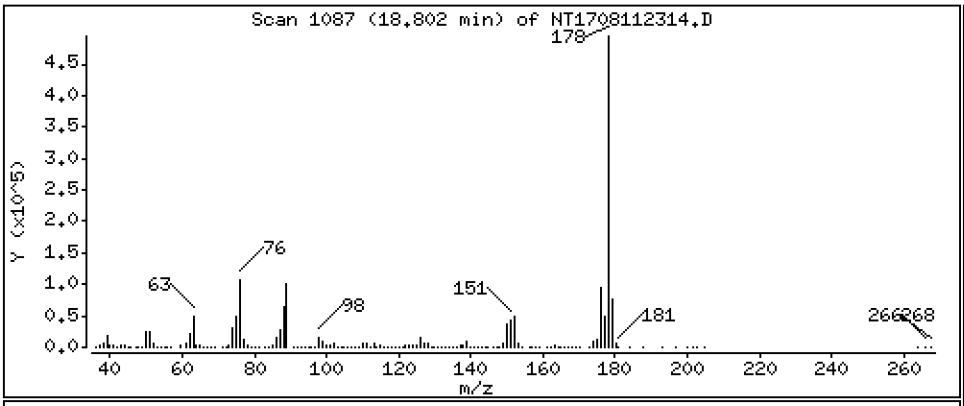
Operator: JGR

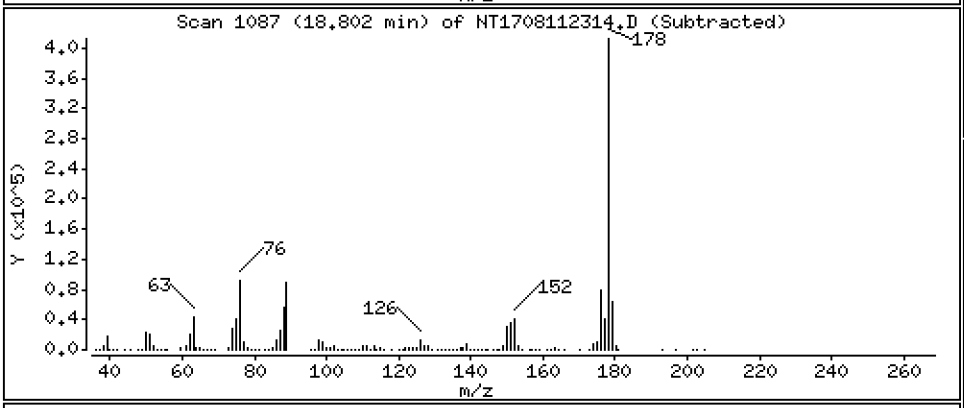
Column phase: ZB-5msi

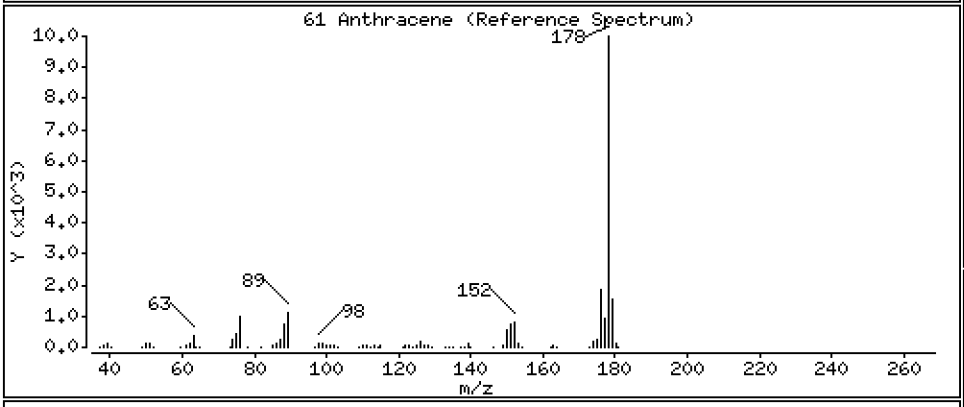
Column diameter: 0.25

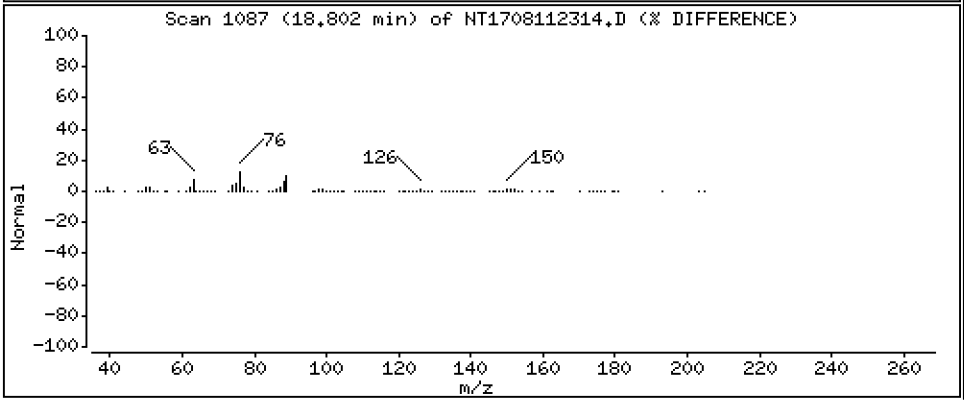
61 Anthracene

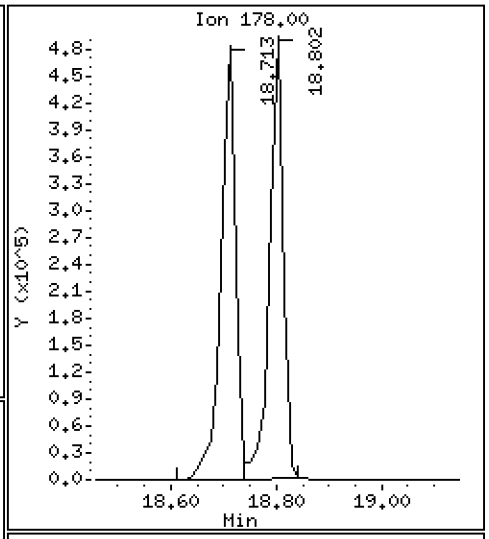
Concentration: 4.346 ug/mL

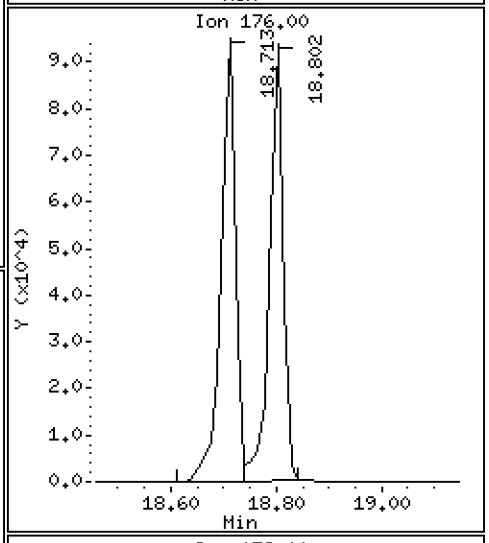


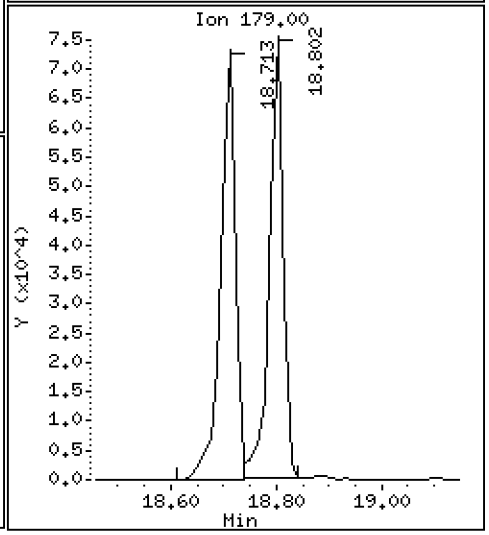












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

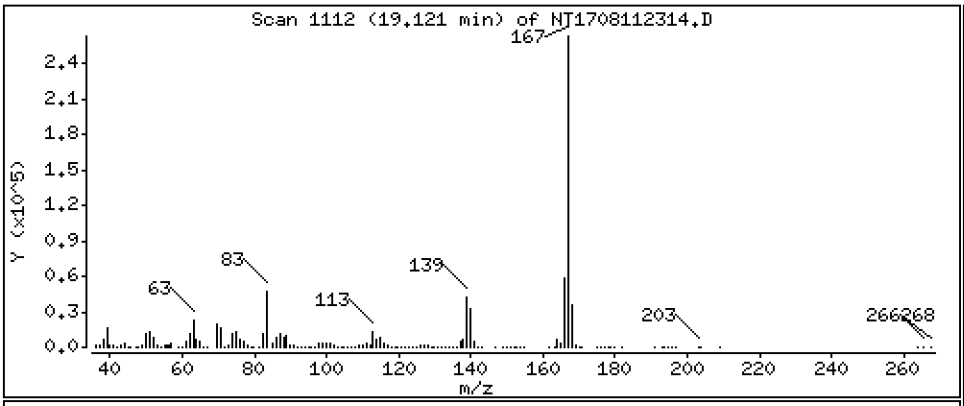
Operator: JGR

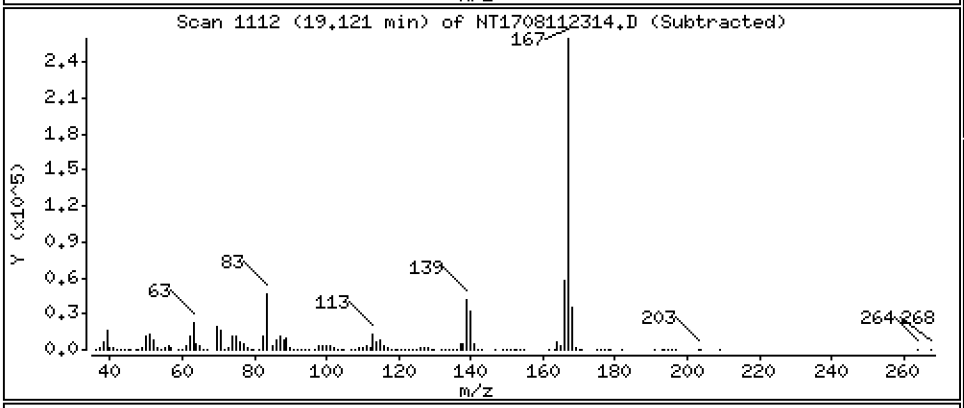
Column phase: ZB-5msi

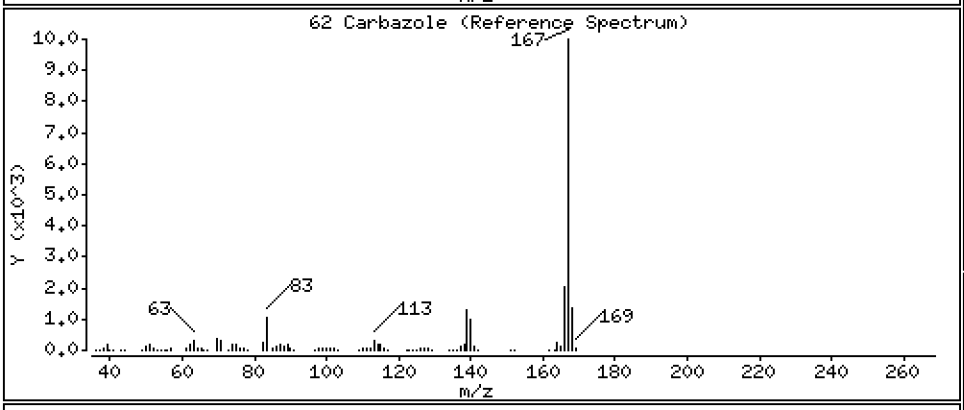
Column diameter: 0.25

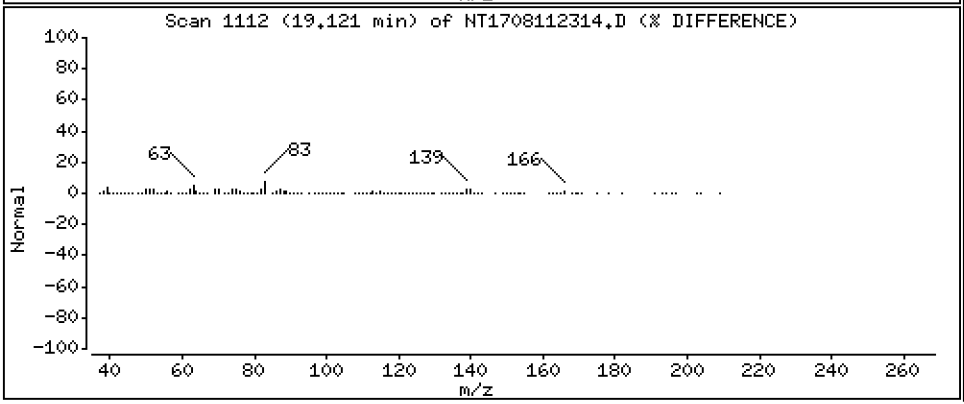
62 Carbazole

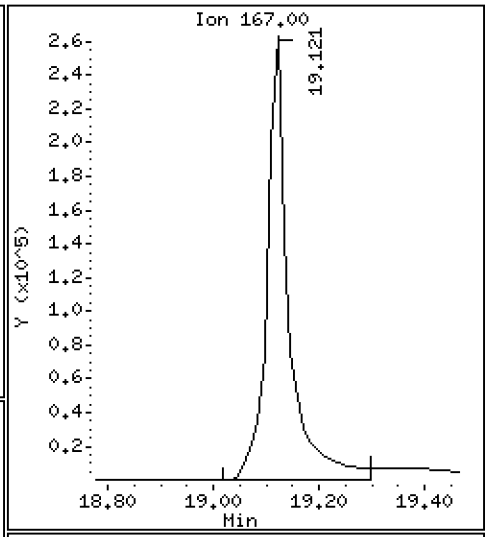
Concentration: 3.711 ug/mL

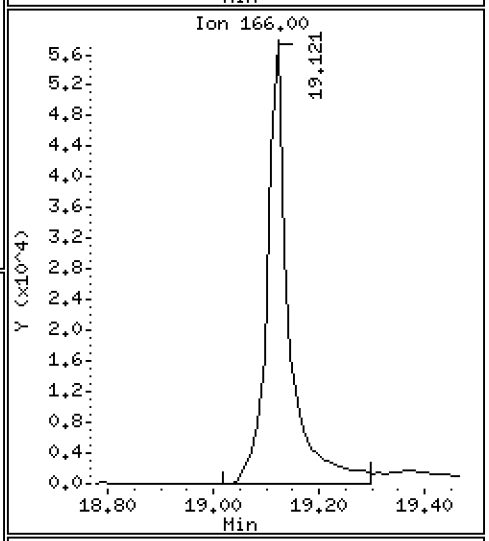


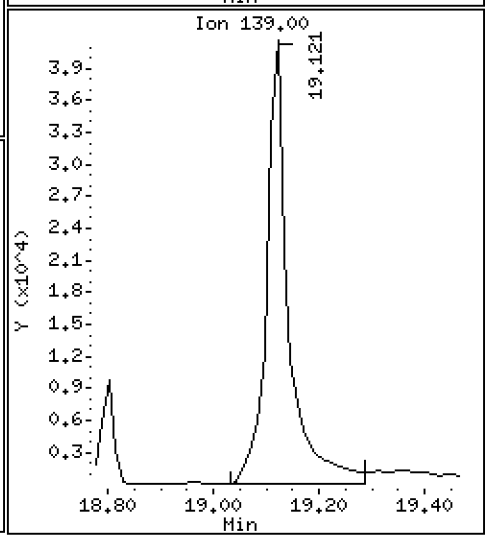












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

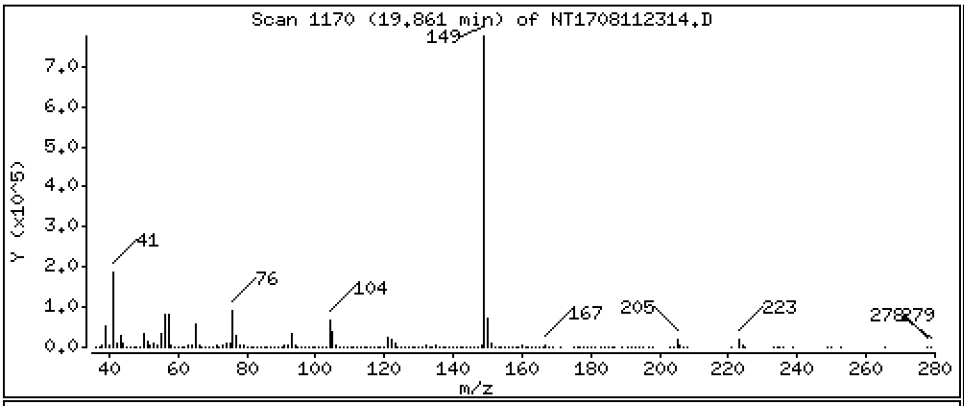
Operator: JGR

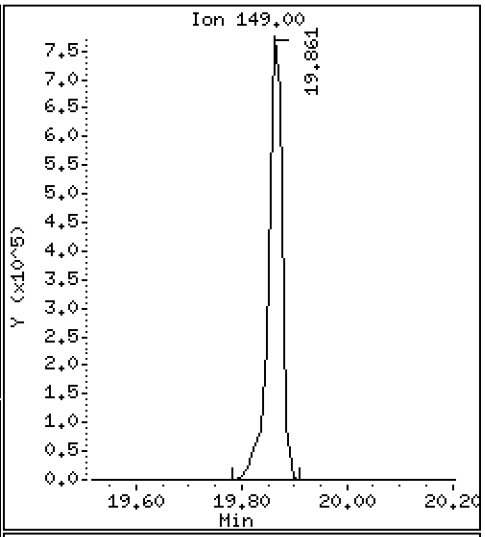
Column phase: ZB-5msi

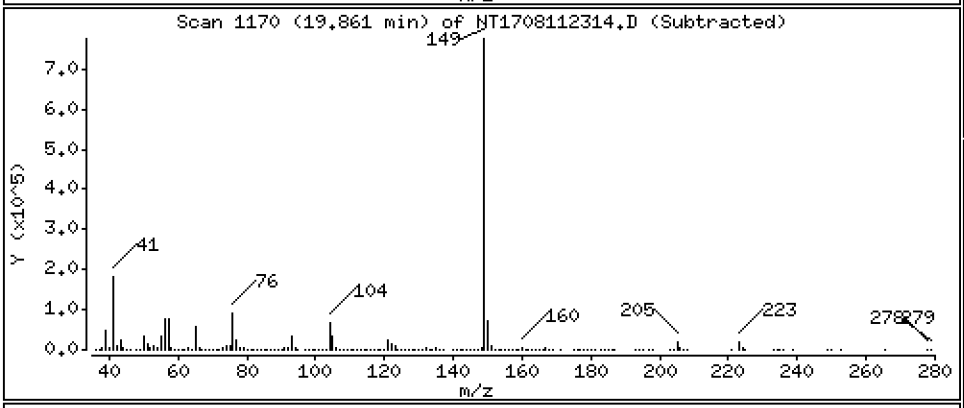
Column diameter: 0.25

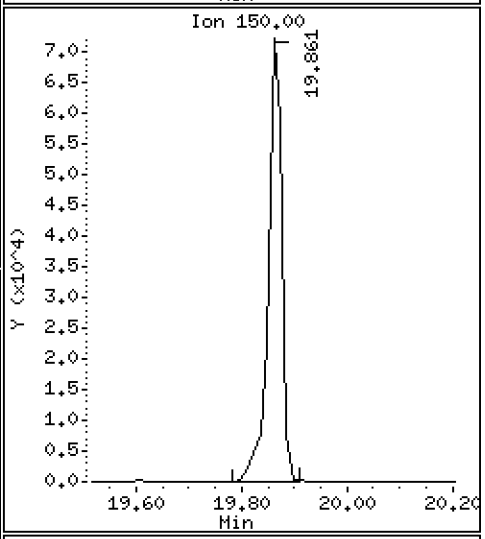
63 Di-n-butylphthalate

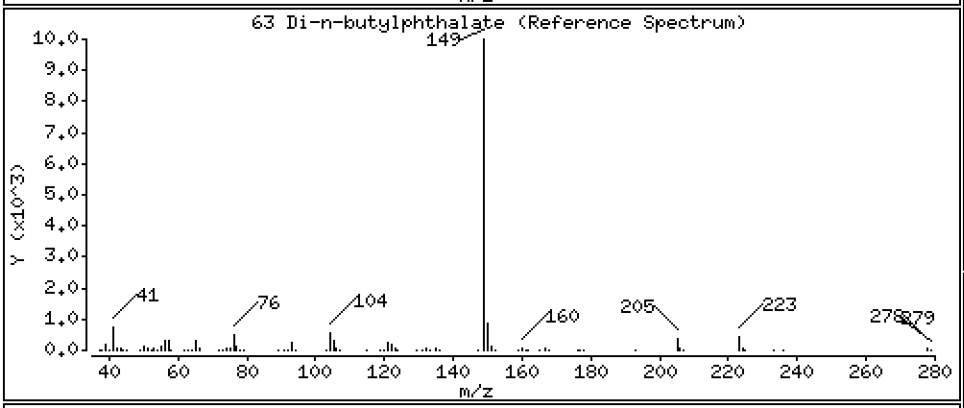
Concentration: 3.915 ug/mL

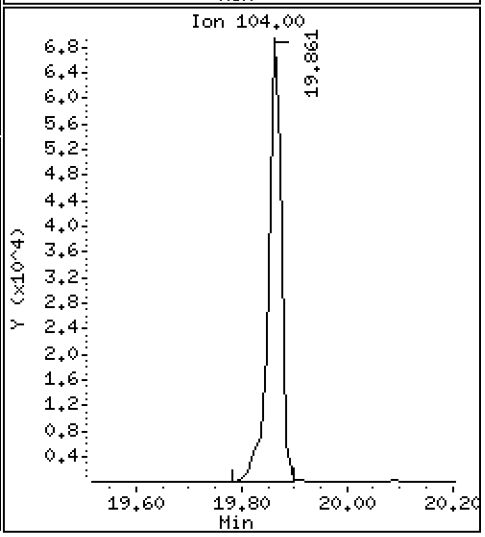


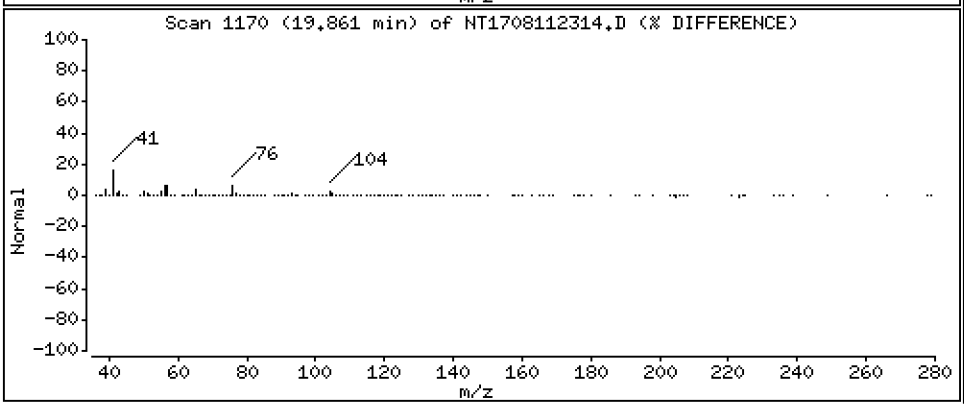












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

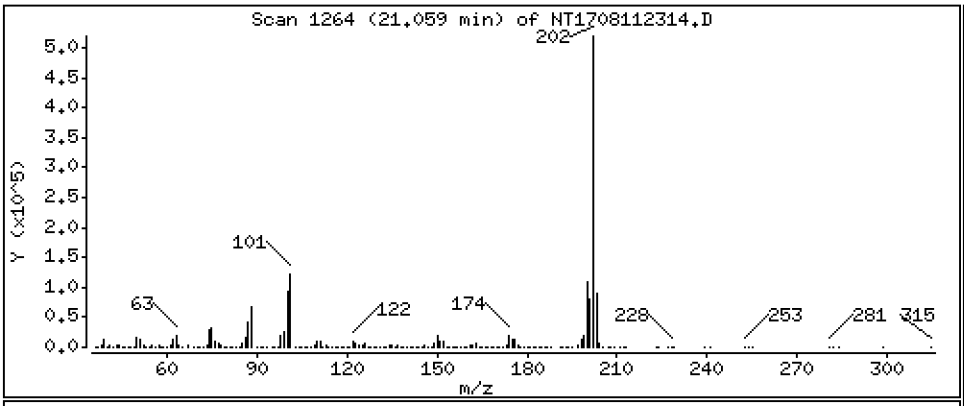
Operator: JGR

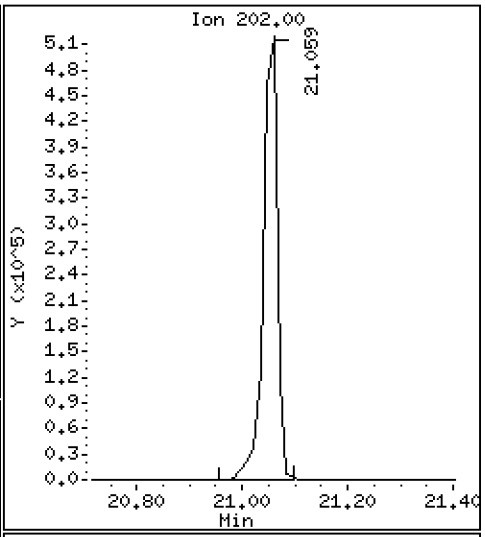
Column phase: ZB-5msi

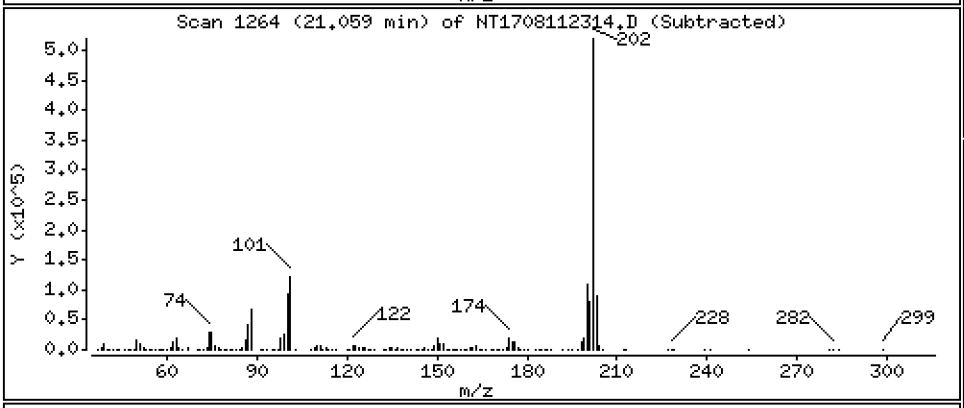
Column diameter: 0.25

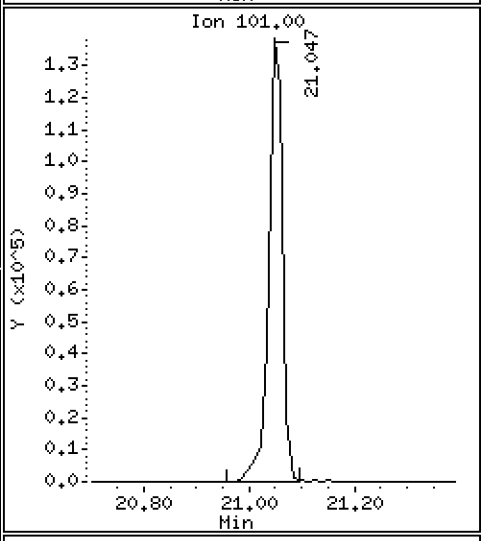
64 Fluoranthene

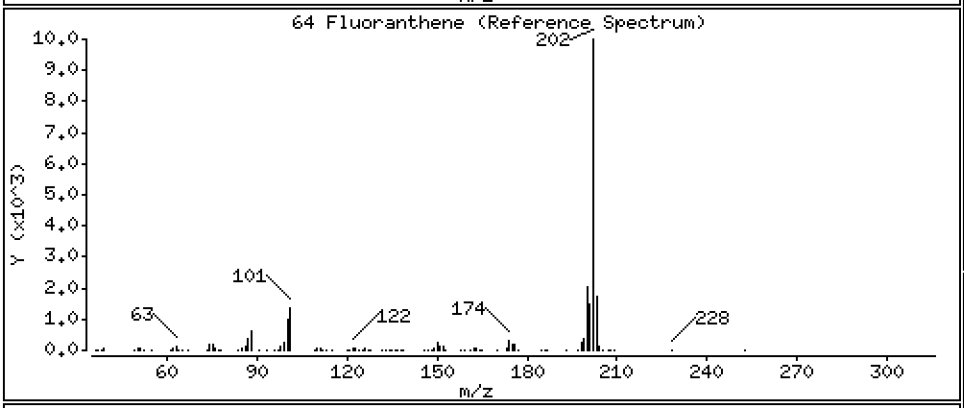
Concentration: 4.574 ug/mL

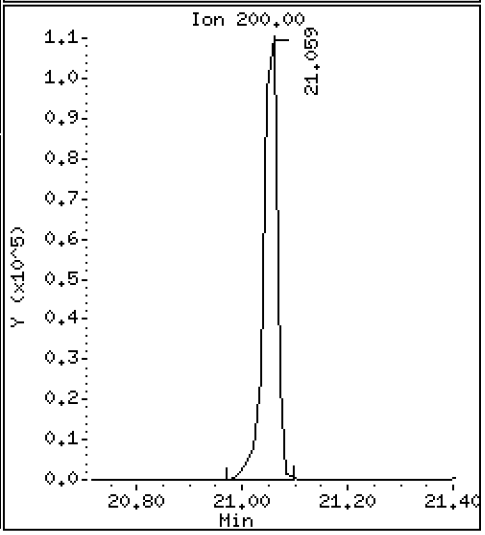


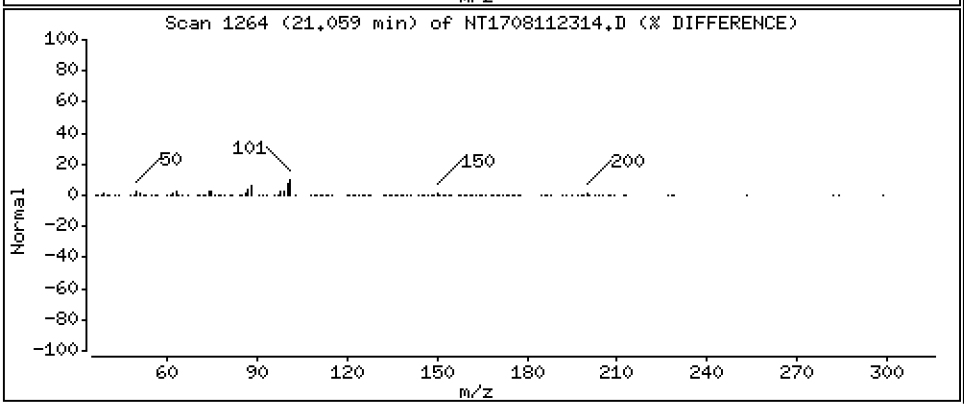












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

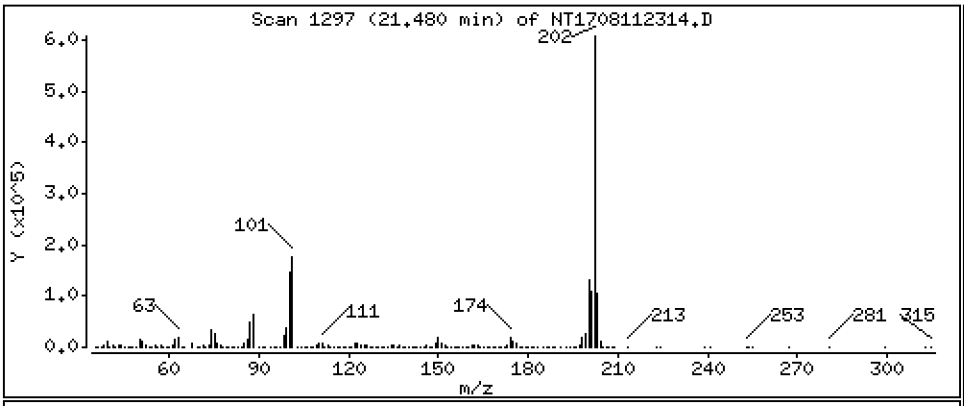
Operator: JGR

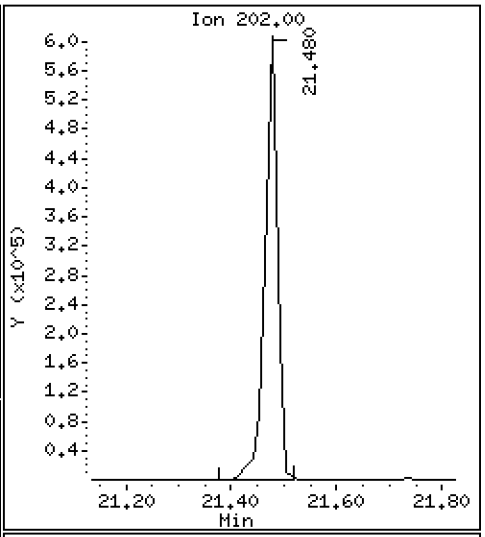
Column phase: ZB-5msi

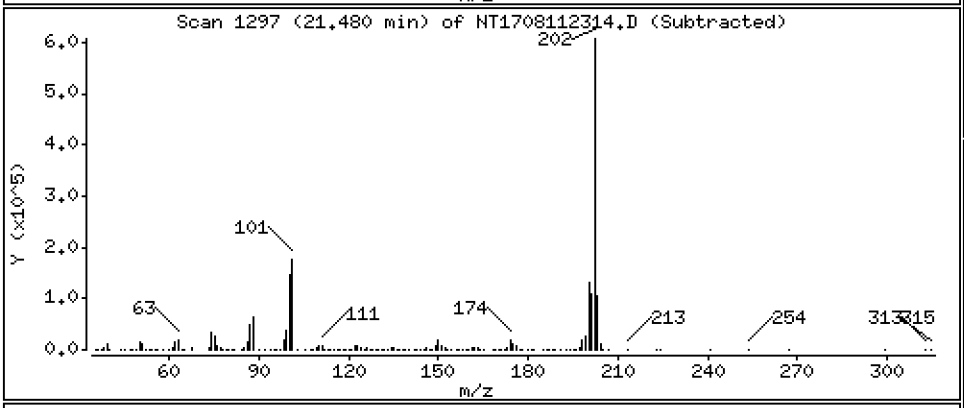
Column diameter: 0.25

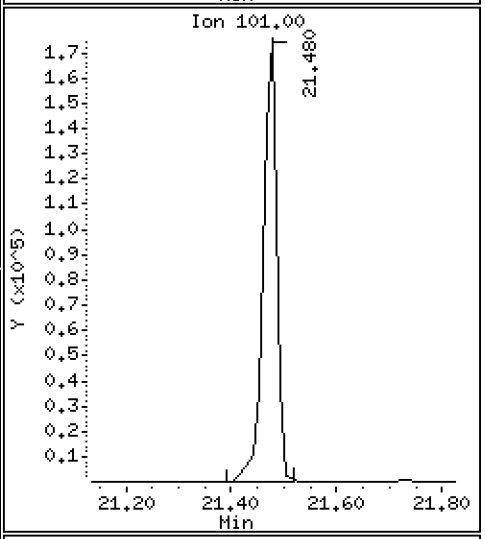
65 Pyrene

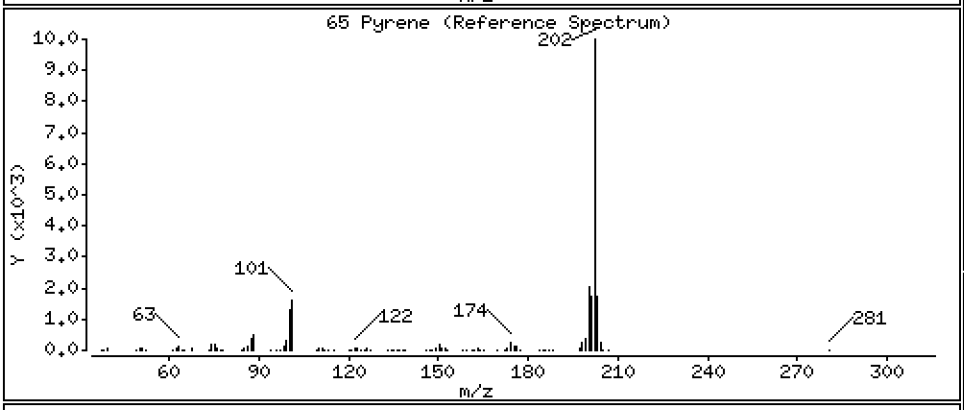
Concentration: 4.466 ug/mL

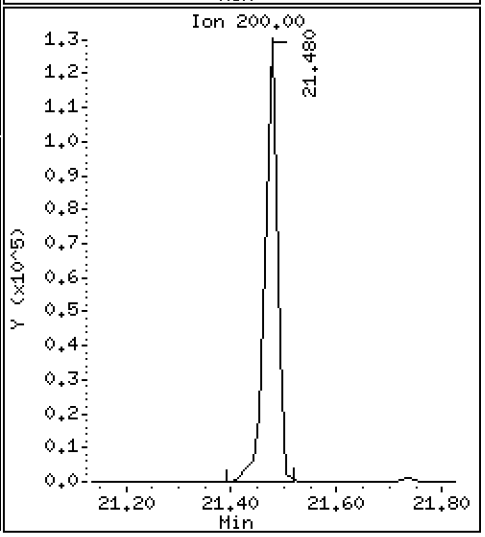


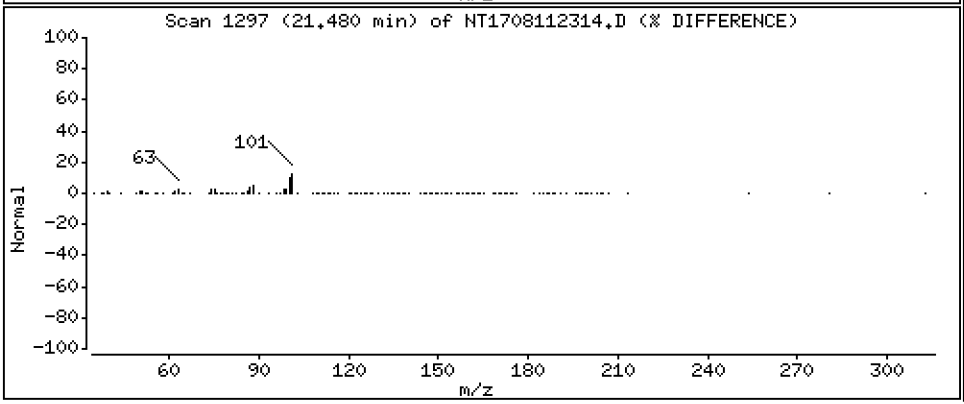












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

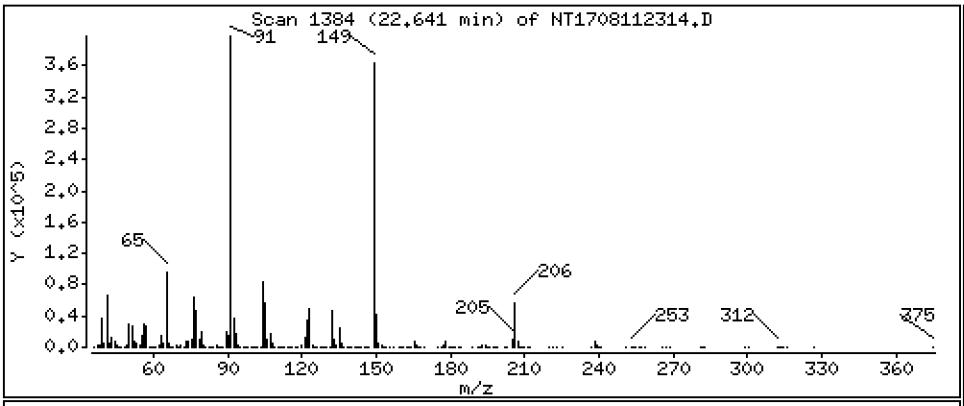
Operator: JGR

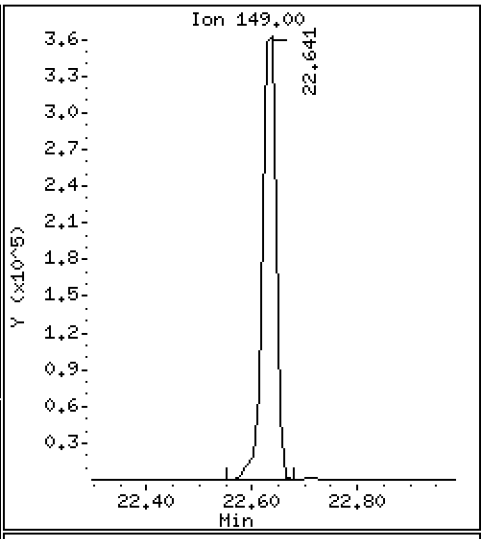
Column phase: ZB-5msi

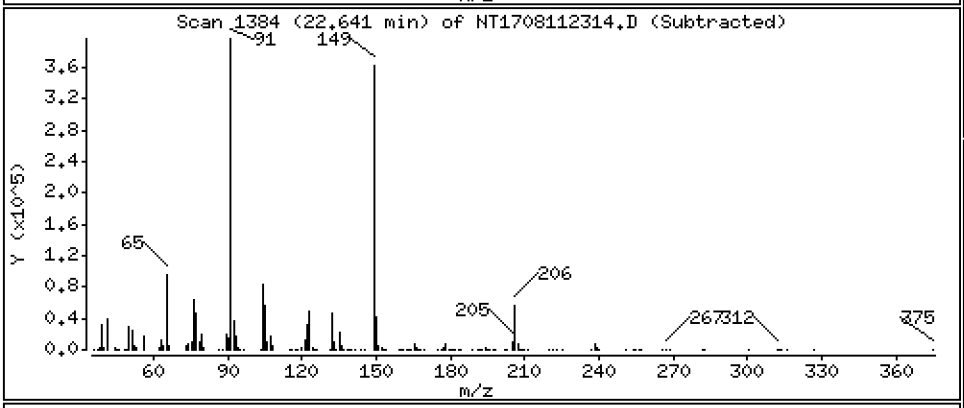
Column diameter: 0.25

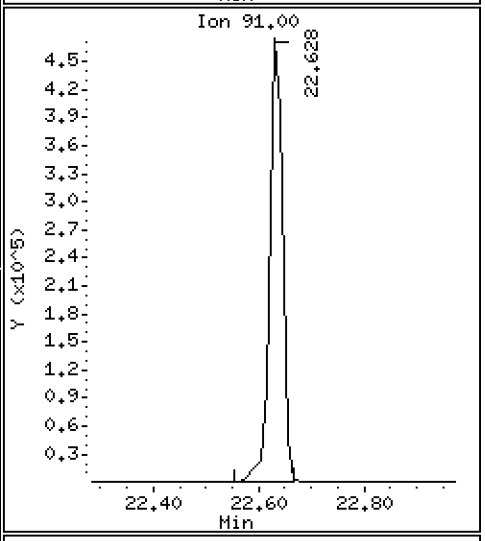
67 Butylbenzylphthalate

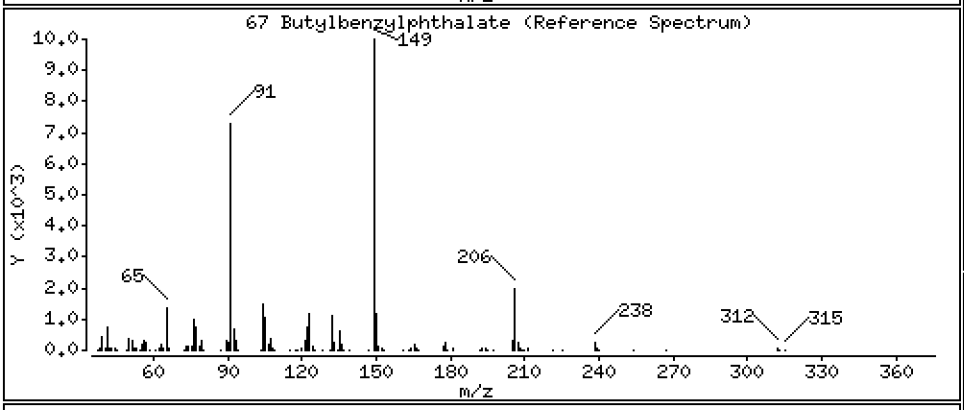
Concentration: 4.300 ug/mL

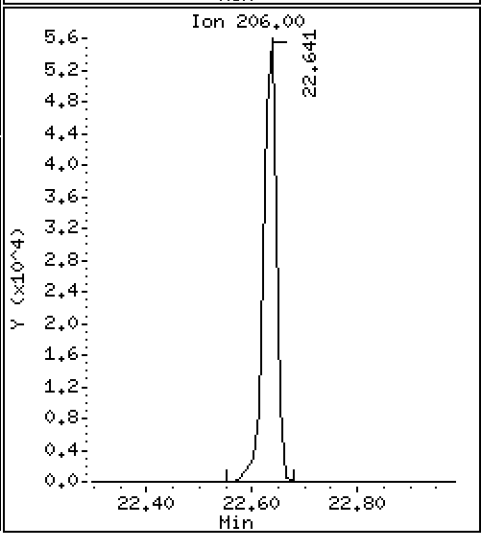


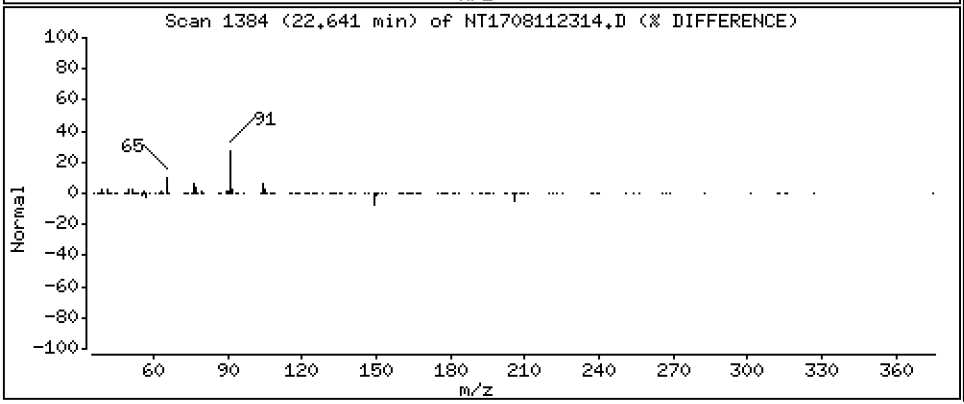












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

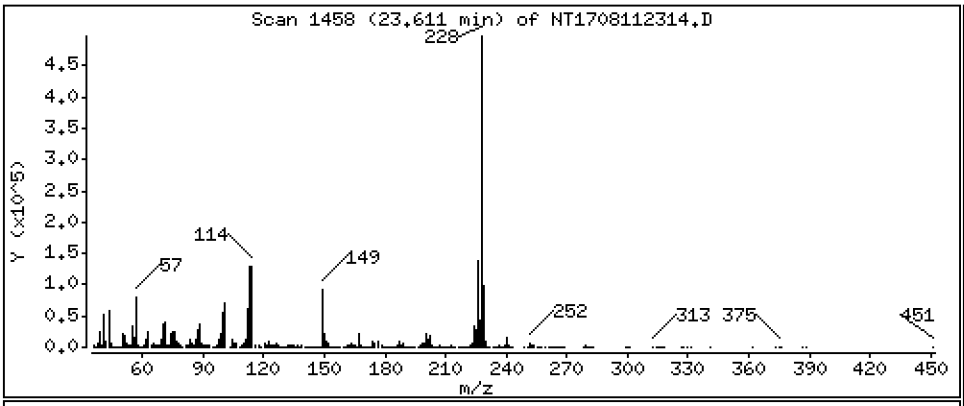
Operator: JGR

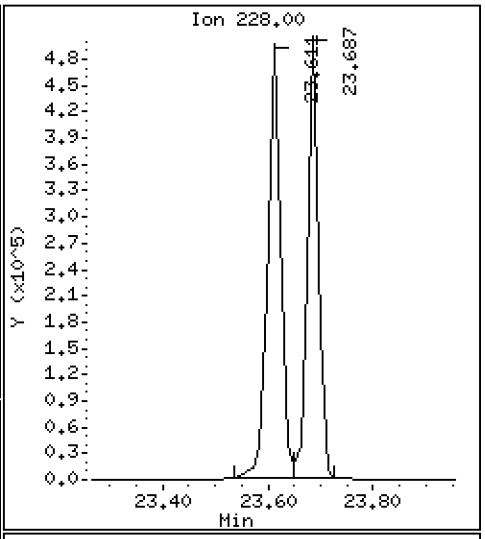
Column phase: ZB-5msi

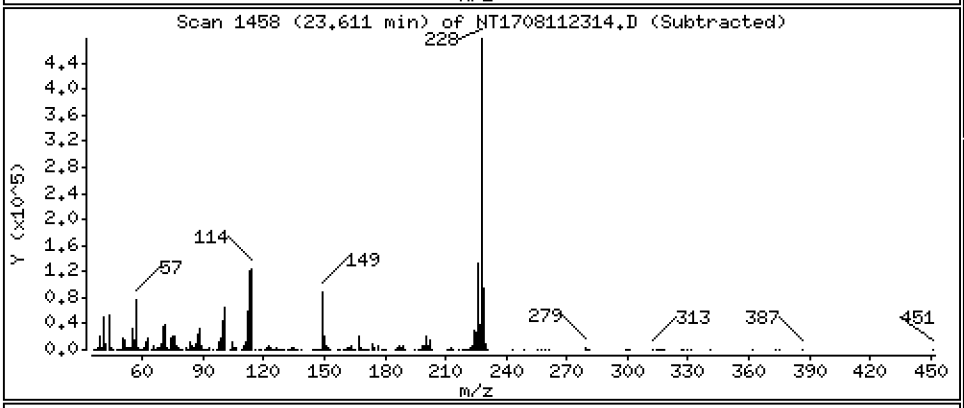
Column diameter: 0.25

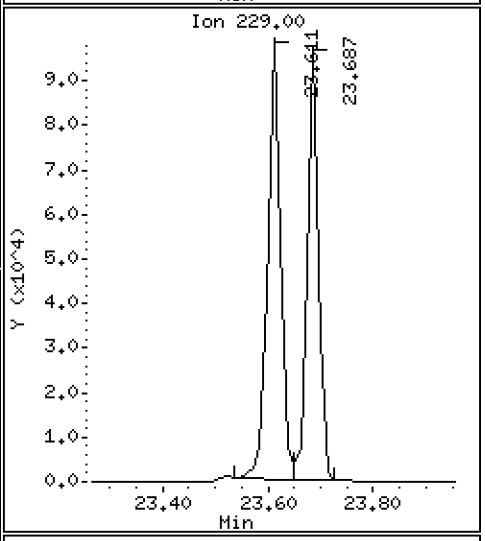
68 Benzo(a)anthracene

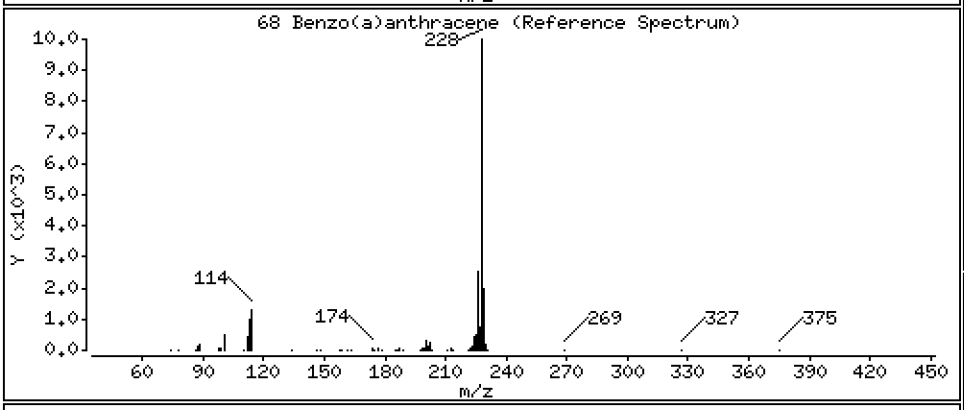
Concentration: 4.116 ug/mL

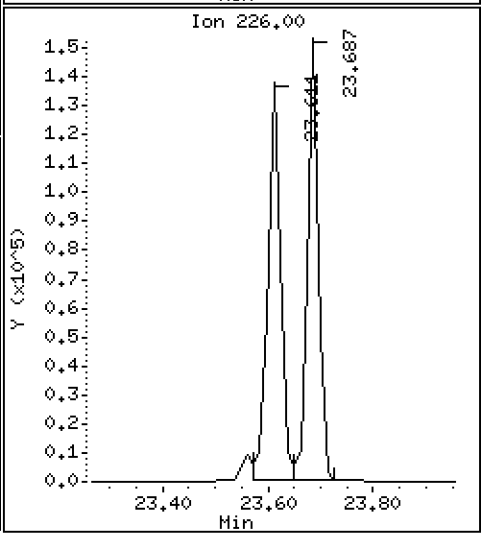


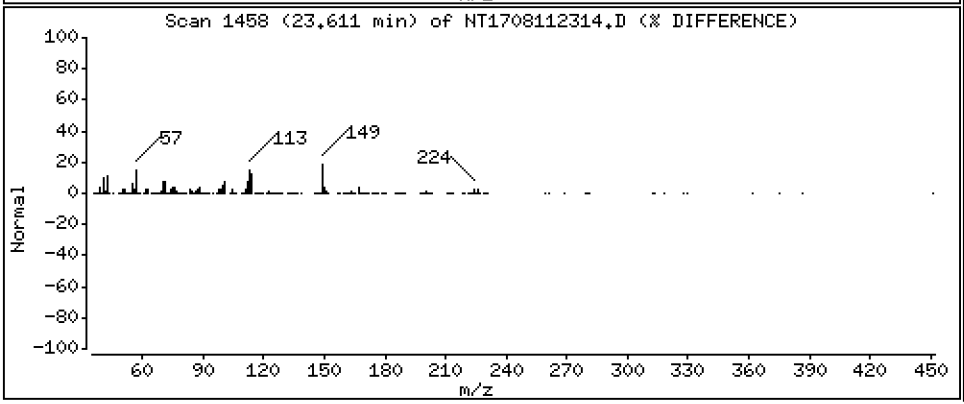












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

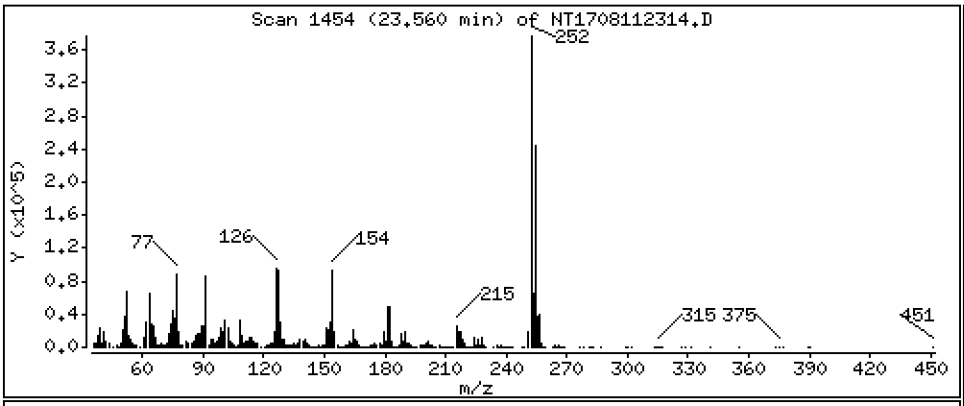
Operator: JGR

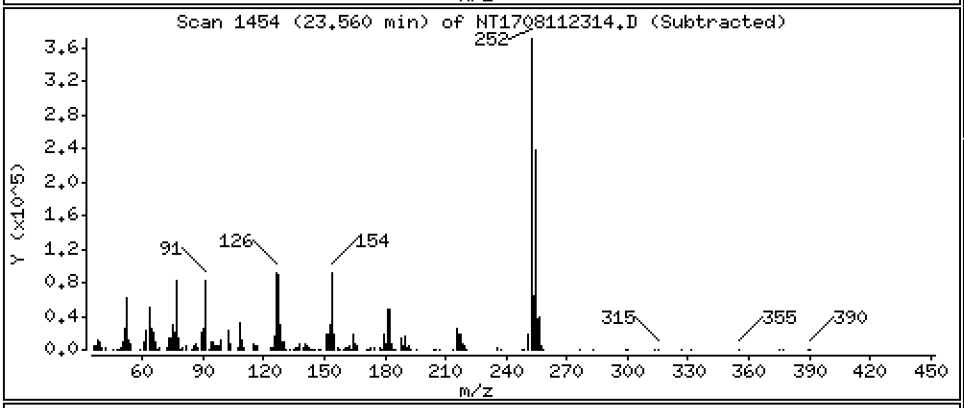
Column phase: ZB-5msi

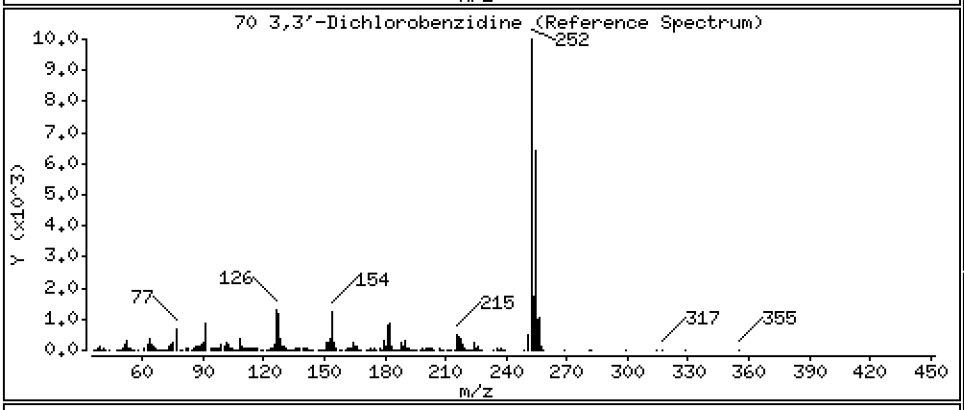
Column diameter: 0.25

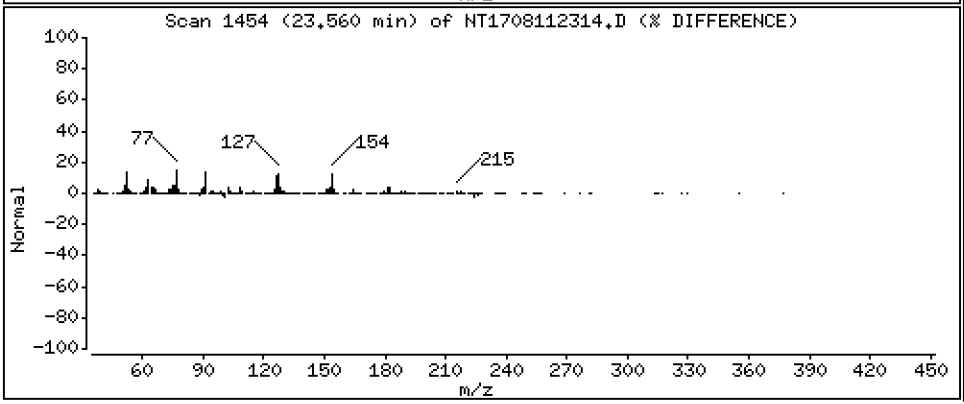
70 3,3'-Dichlorobenzidine

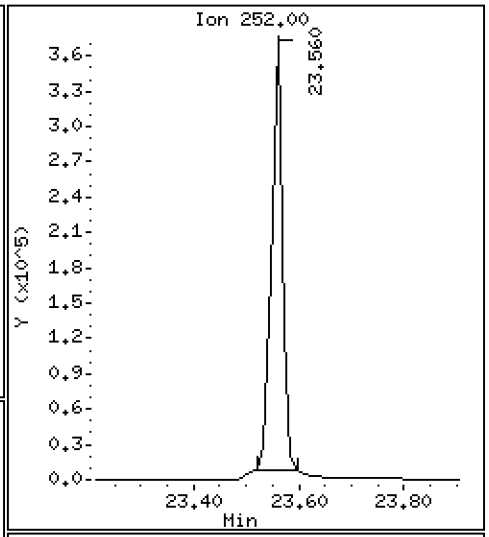
Concentration: 8.681 ug/mL

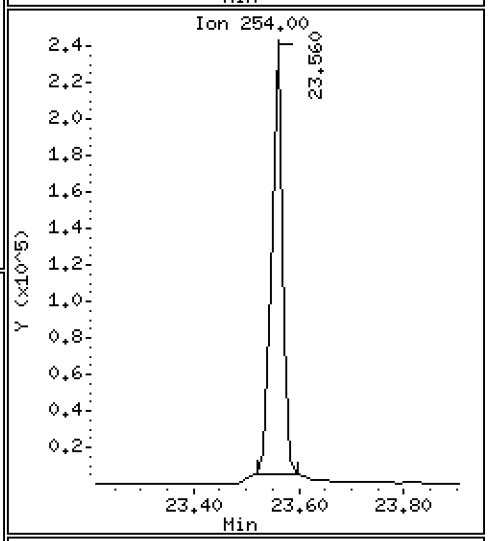


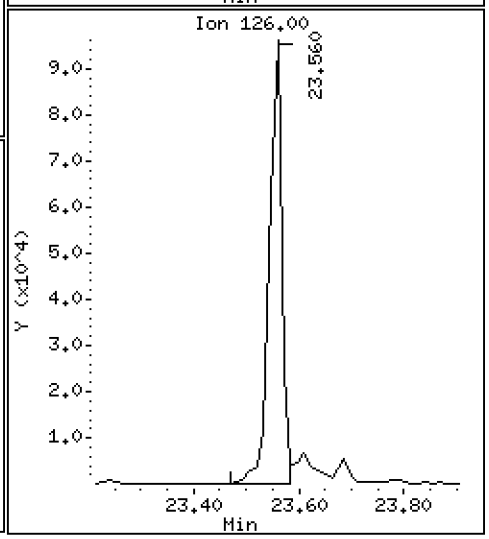












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

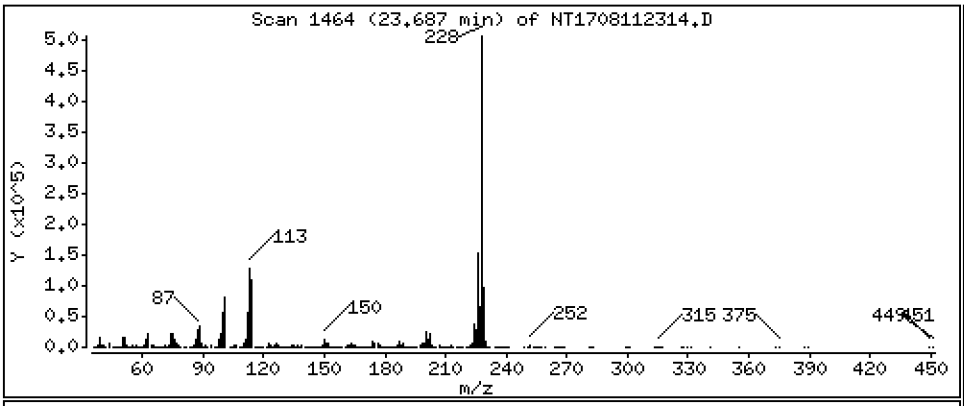
Operator: JGR

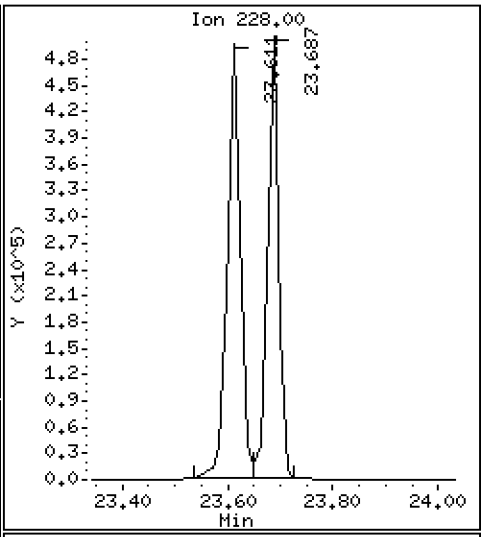
Column phase: ZB-5msi

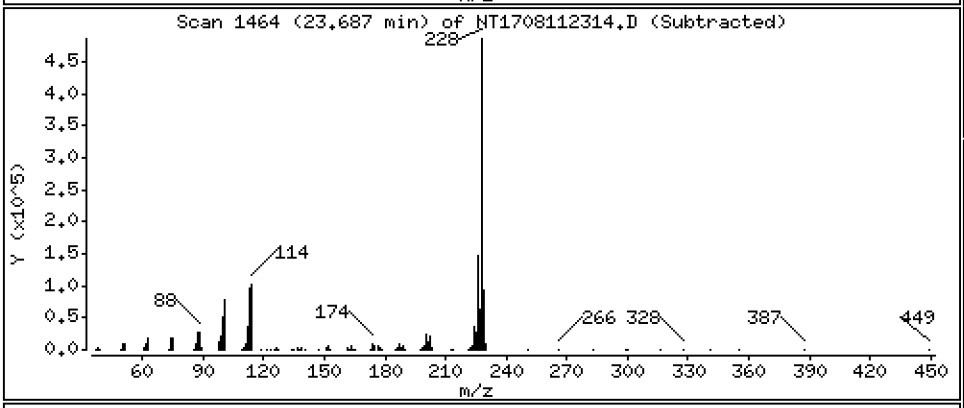
Column diameter: 0.25

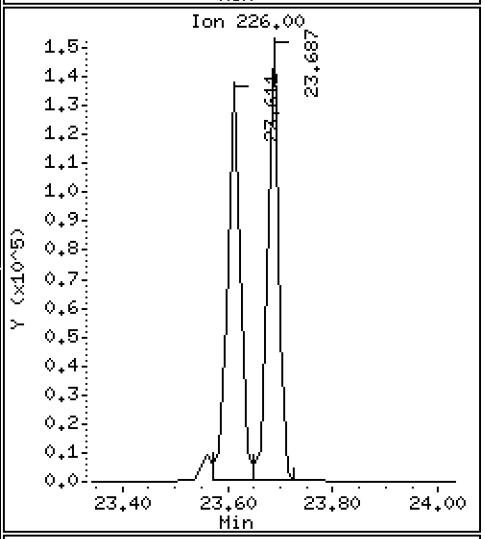
71 Chrysene

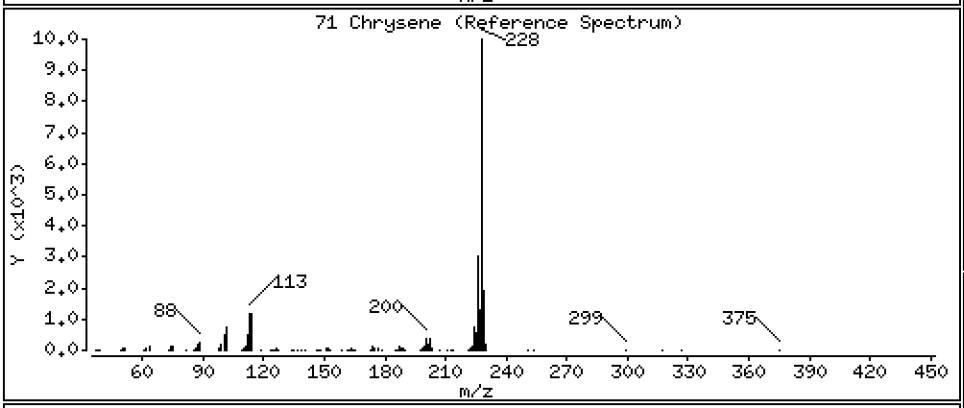
Concentration: 4.200 ug/mL

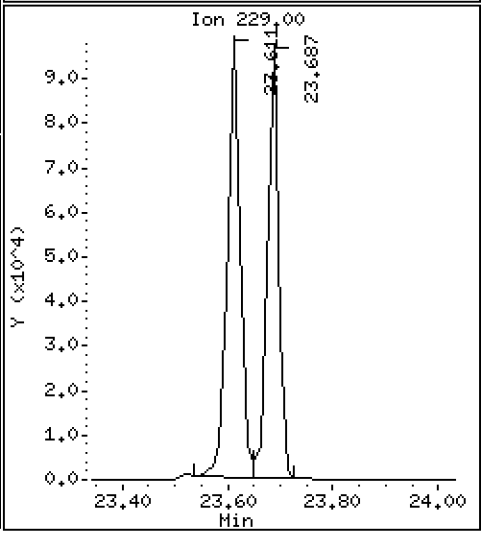


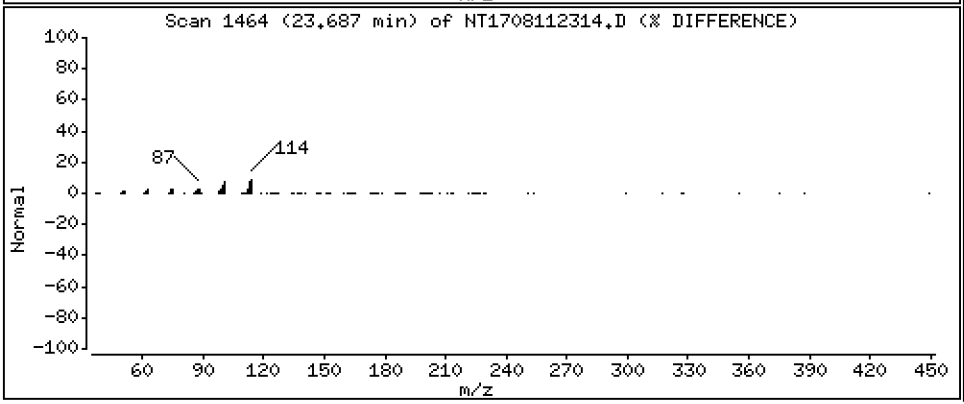












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

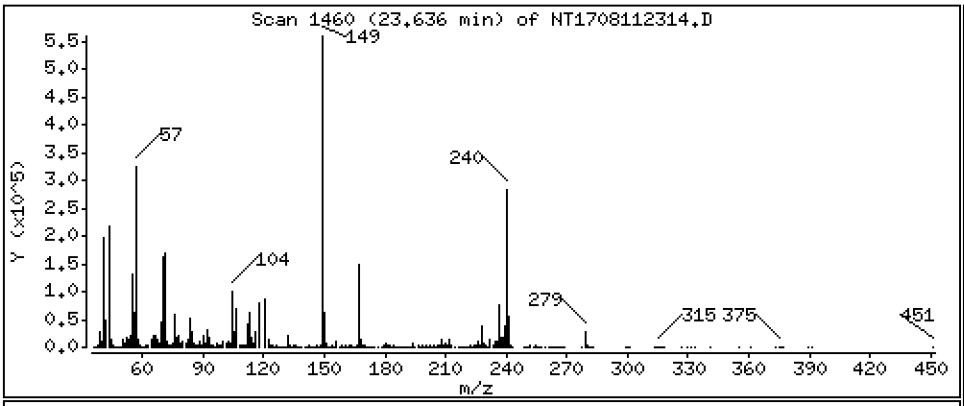
Operator: JGR

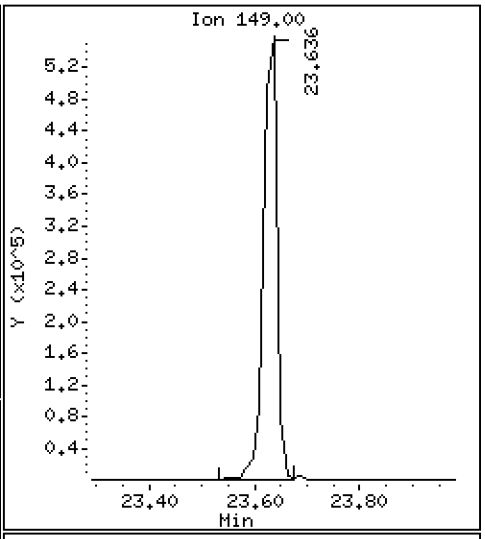
Column phase: ZB-5msi

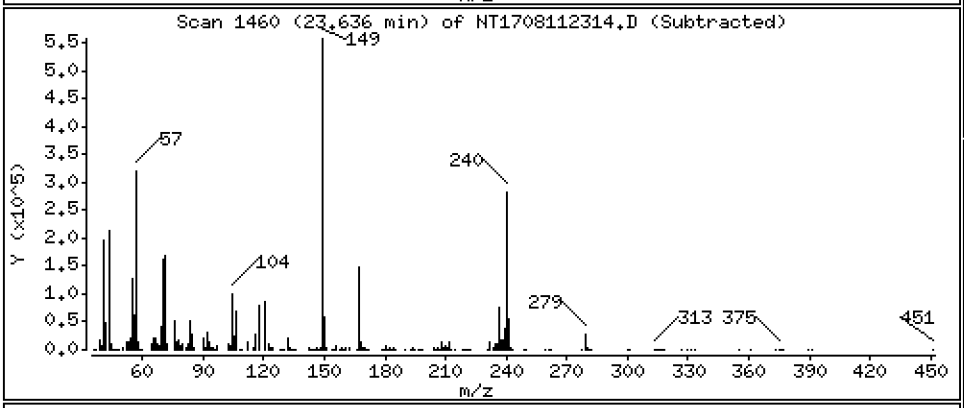
Column diameter: 0.25

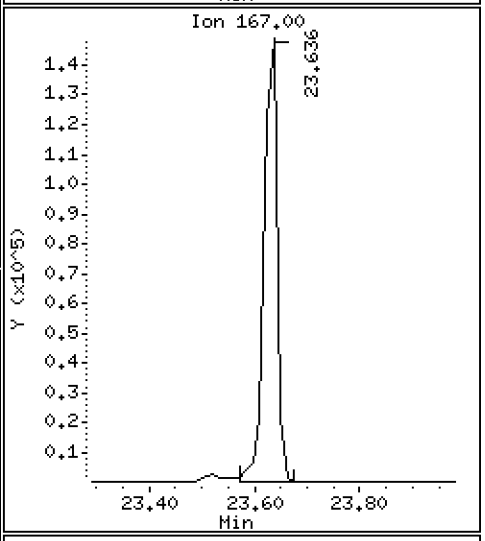
72 bis(2-Ethylhexyl)phthalate

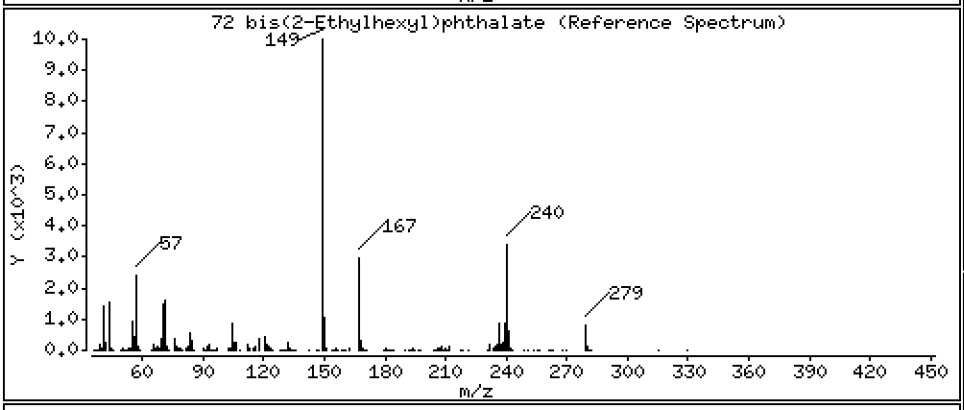
Concentration: 4.092 ug/mL

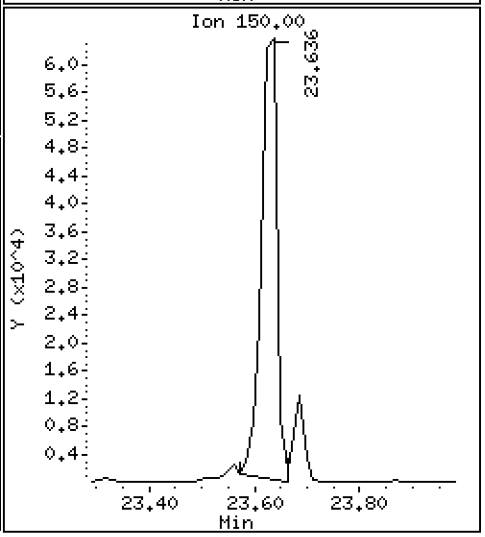


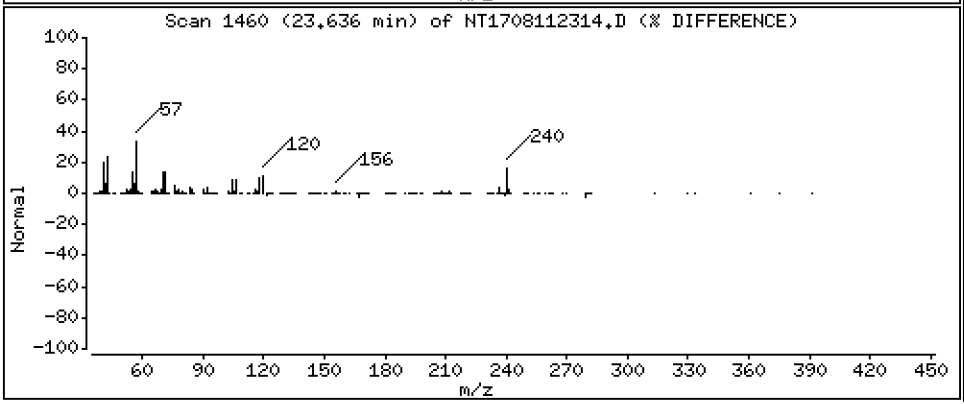












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

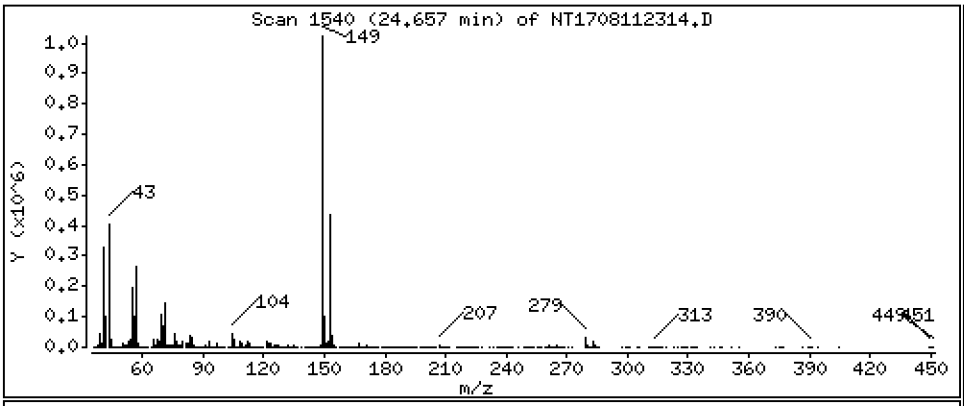
Operator: JGR

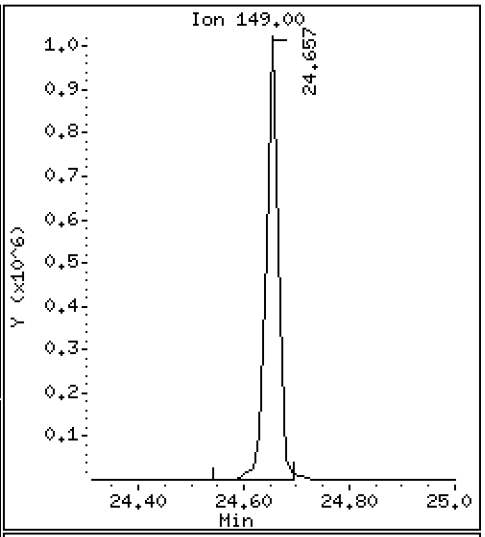
Column phase: ZB-5msi

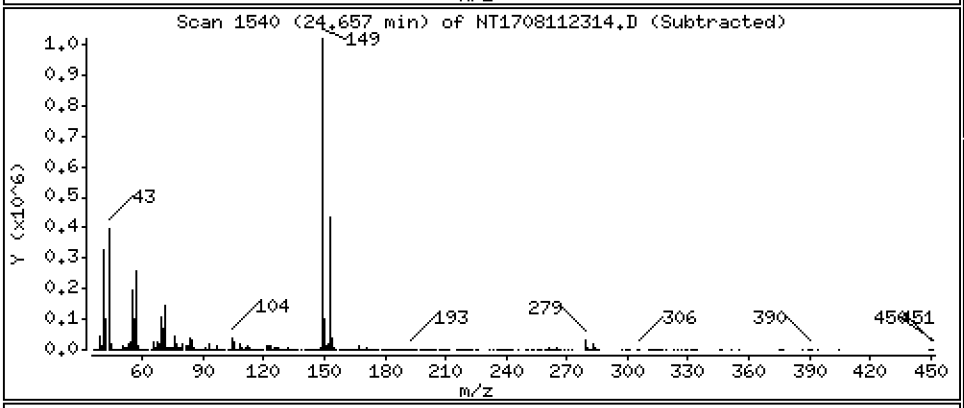
Column diameter: 0.25

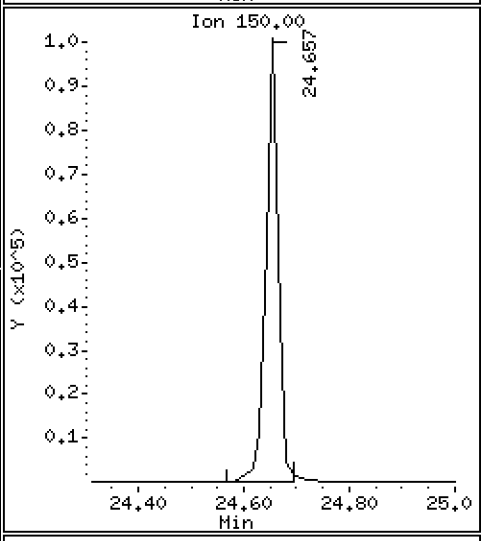
73 Di-n-octylphthalate

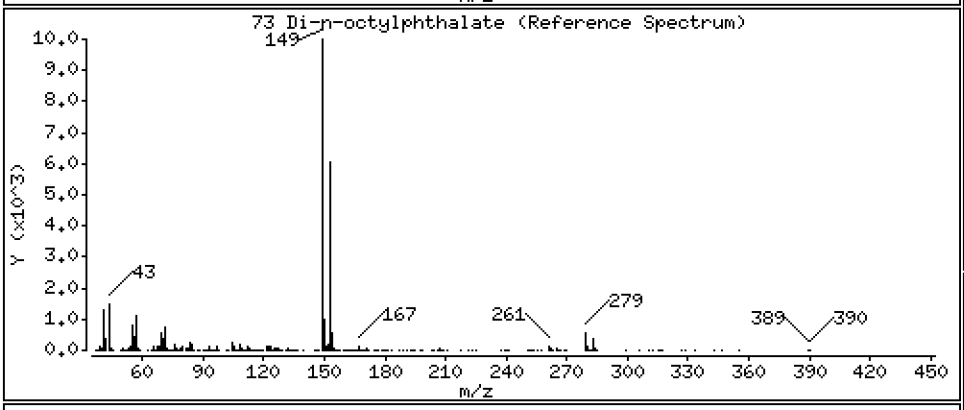
Concentration: 4.237 ug/mL

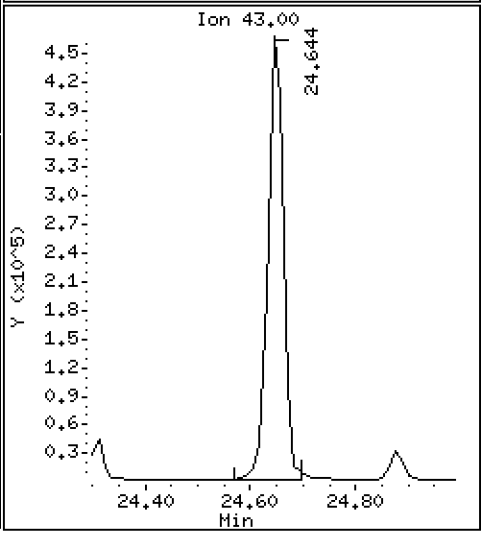


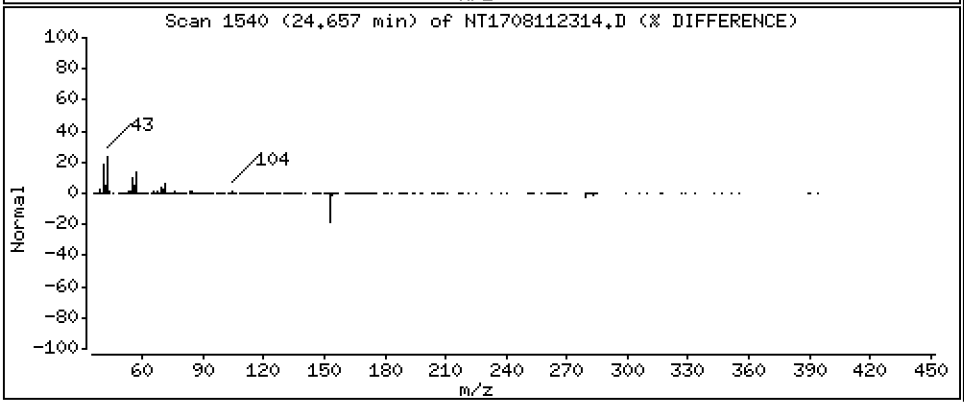












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

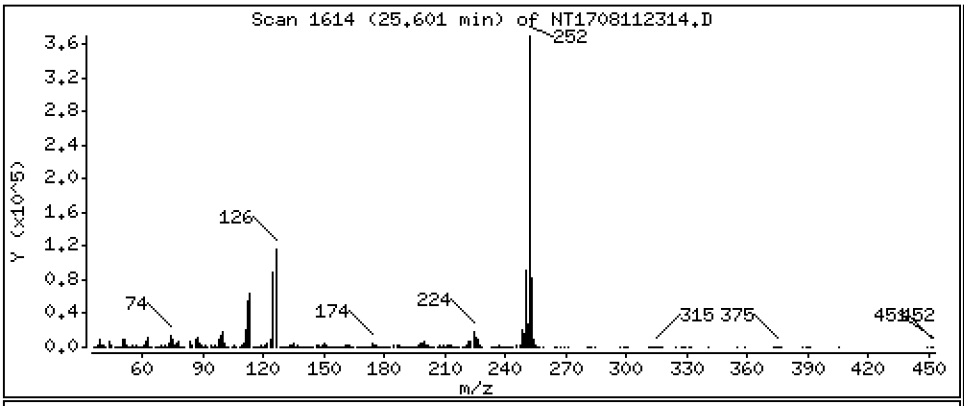
Operator: JGR

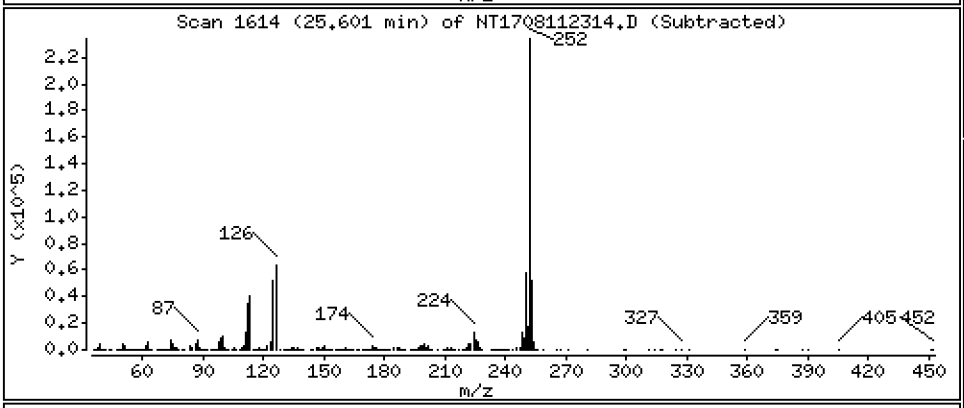
Column phase: ZB-5msi

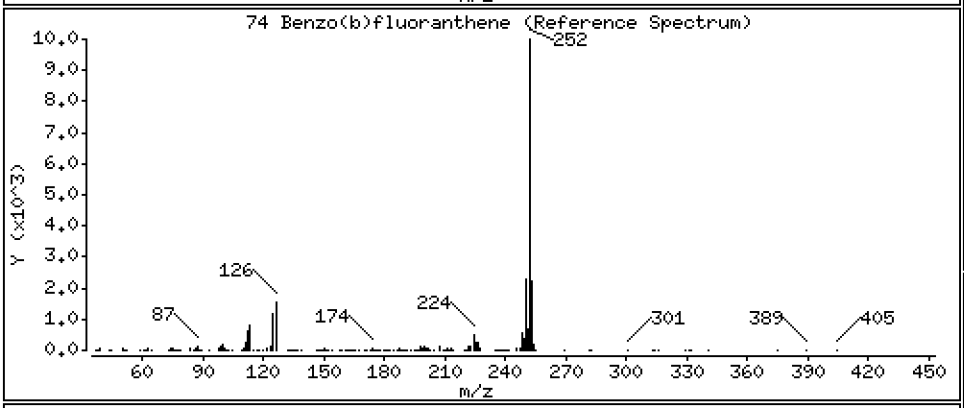
Column diameter: 0.25

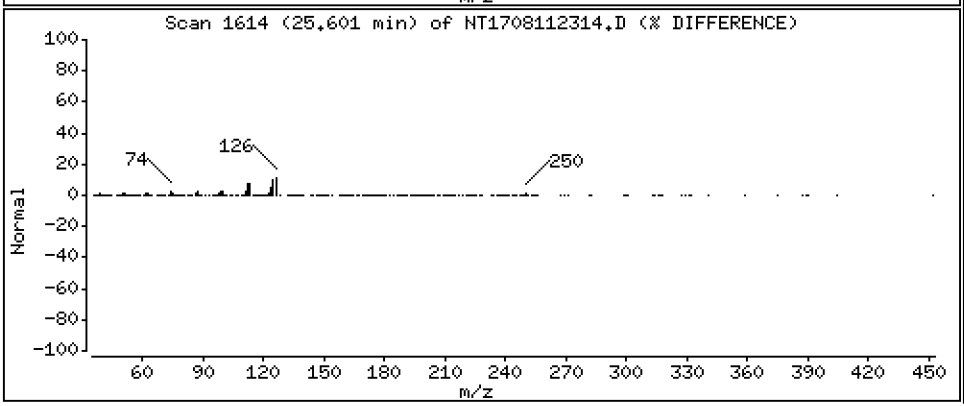
74 Benzo(b)fluoranthene

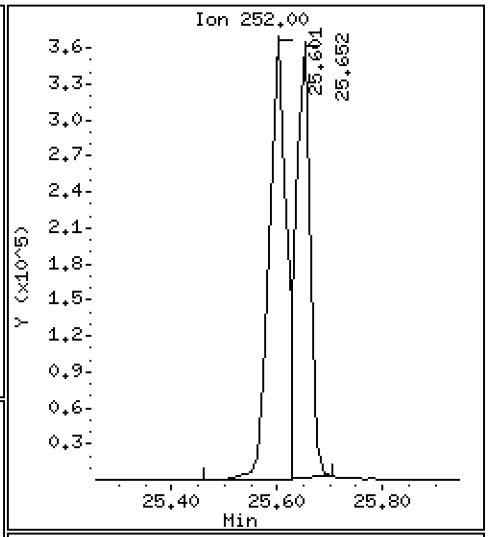
Concentration: 3.743 ug/mL

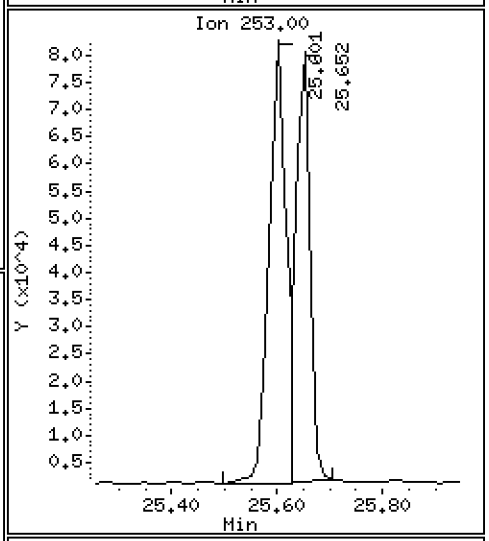


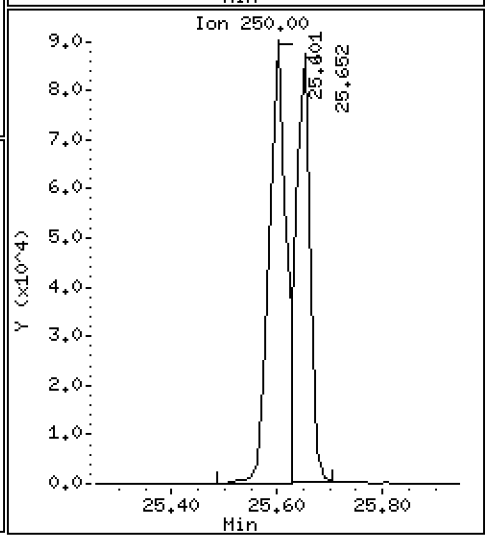












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

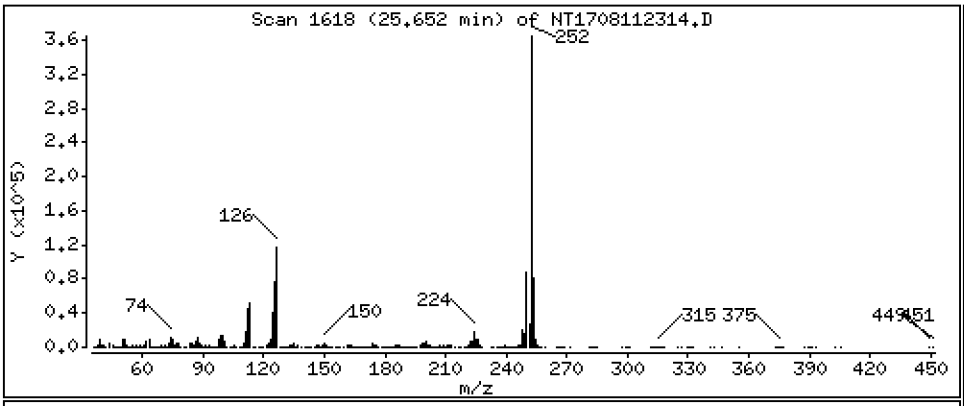
Operator: JGR

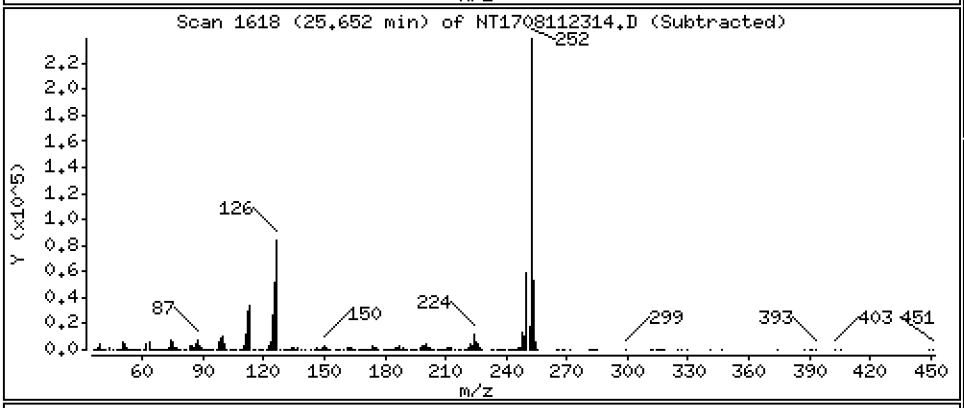
Column phase: ZB-5msi

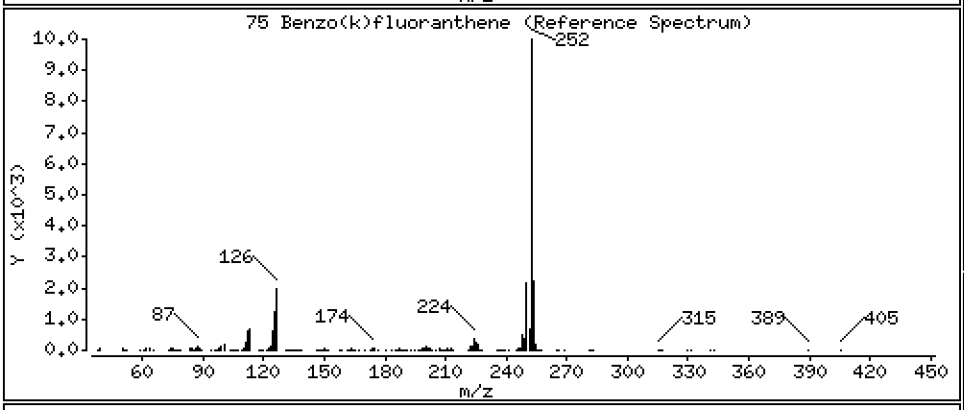
Column diameter: 0.25

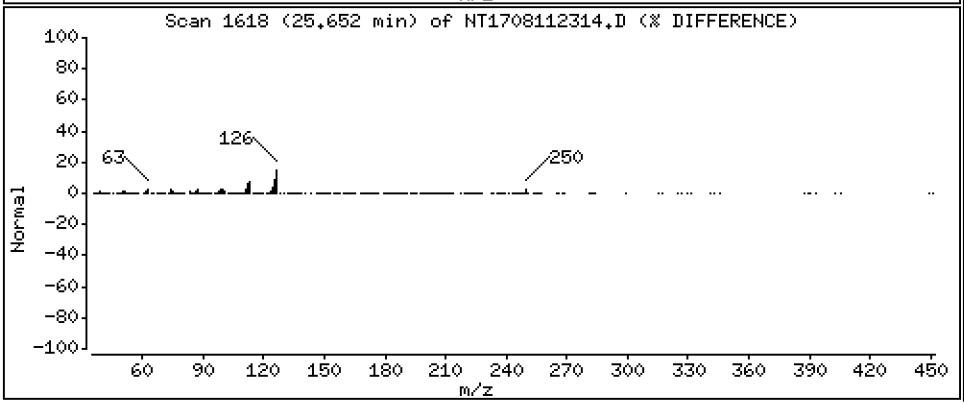
75 Benzo(k)fluoranthene

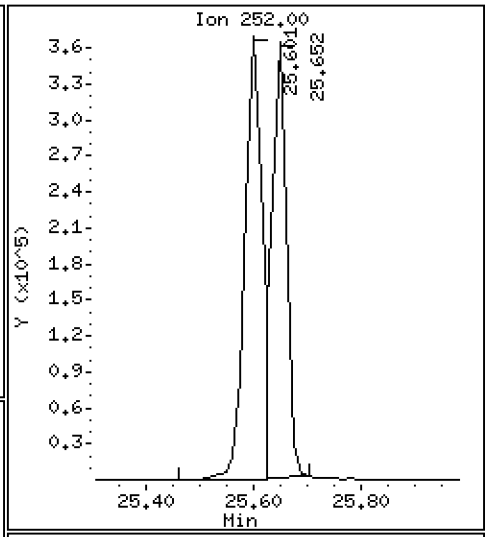
Concentration: 3.882 ug/mL

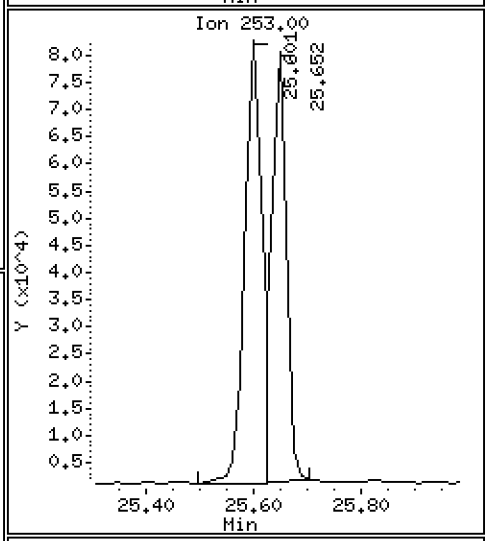


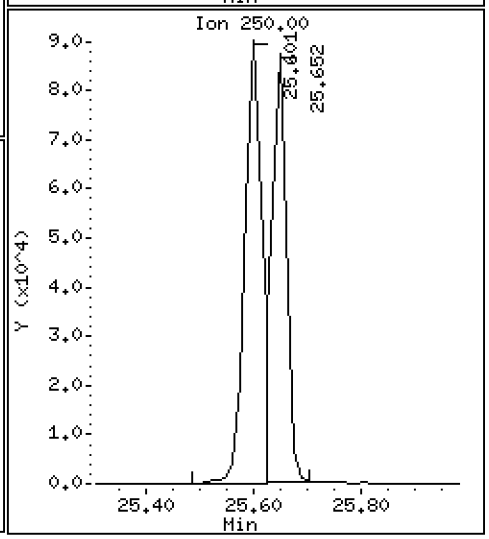












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

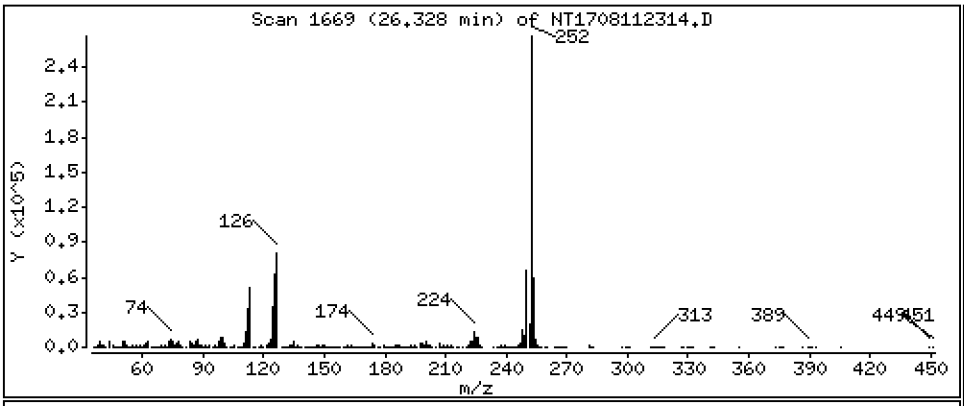
Operator: JGR

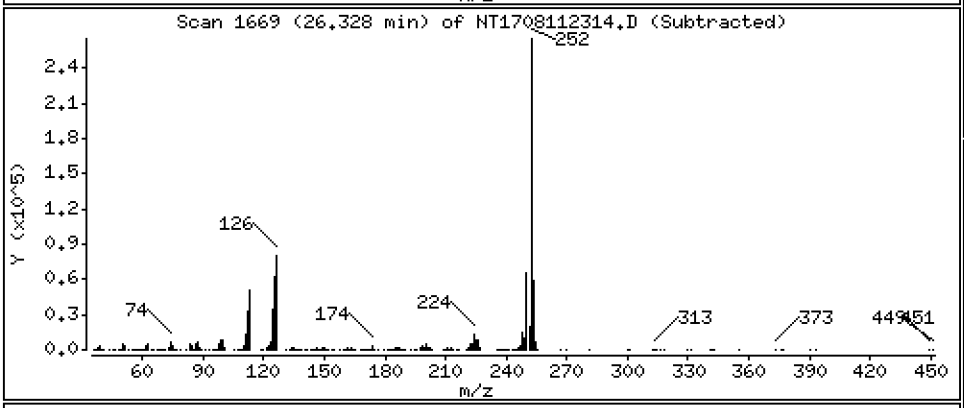
Column phase: ZB-5msi

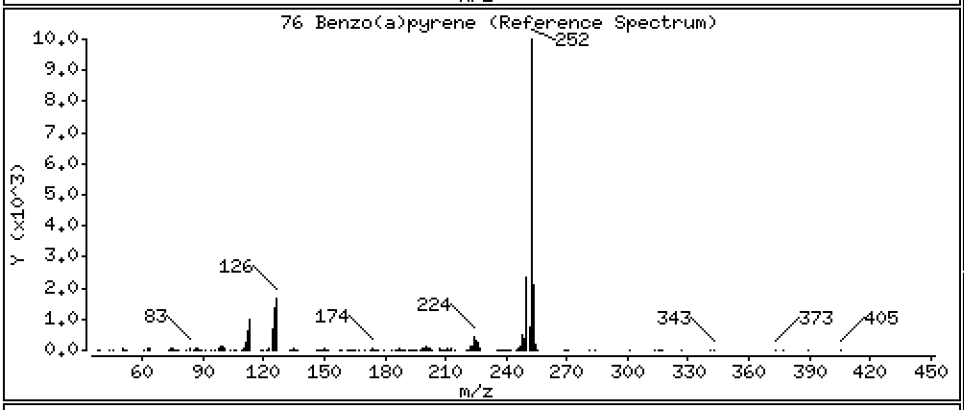
Column diameter: 0.25

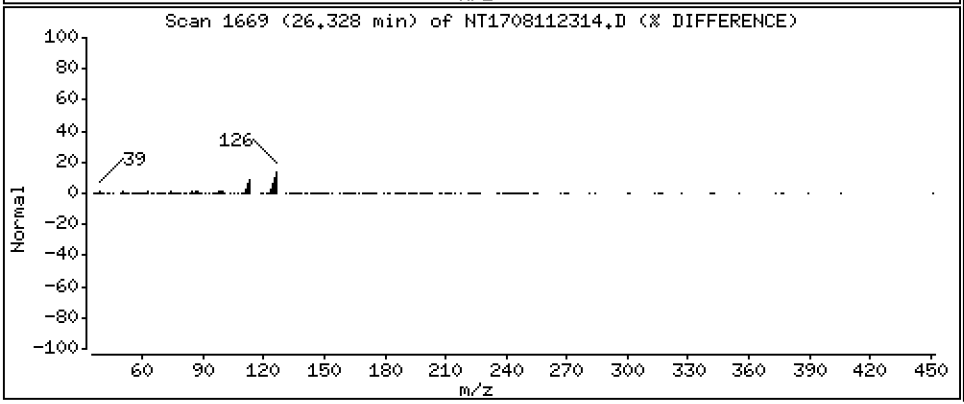
76 Benzo(a)pyrene

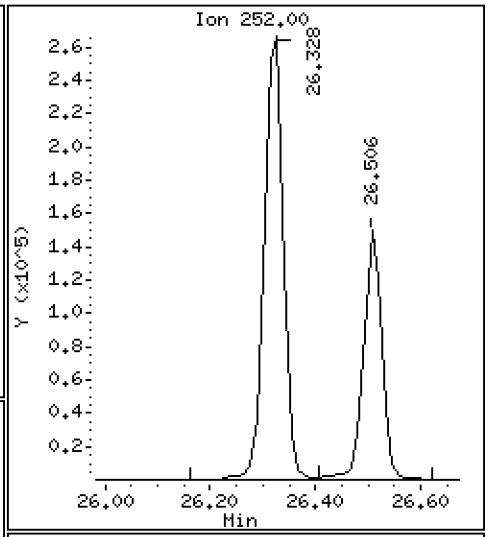
Concentration: 3.785 ug/mL

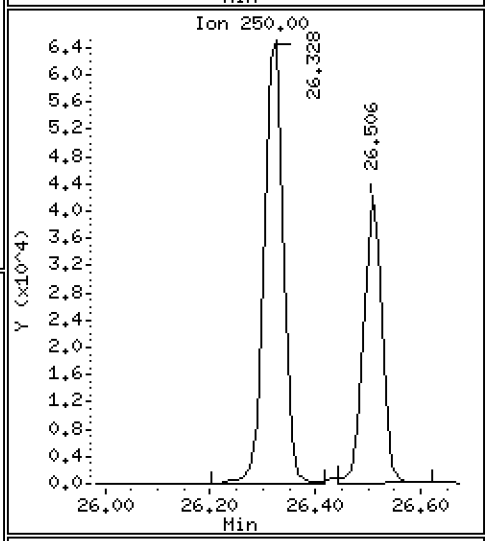


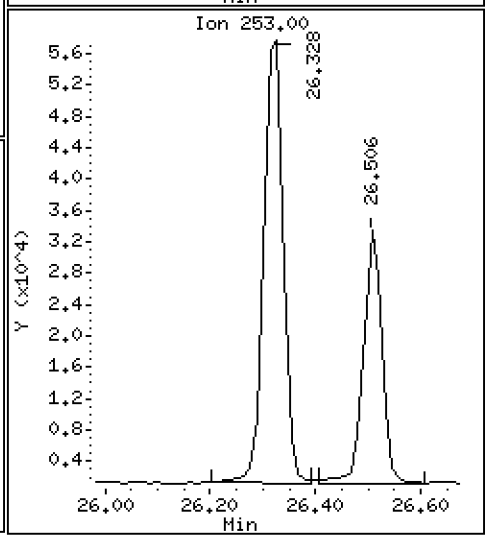












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

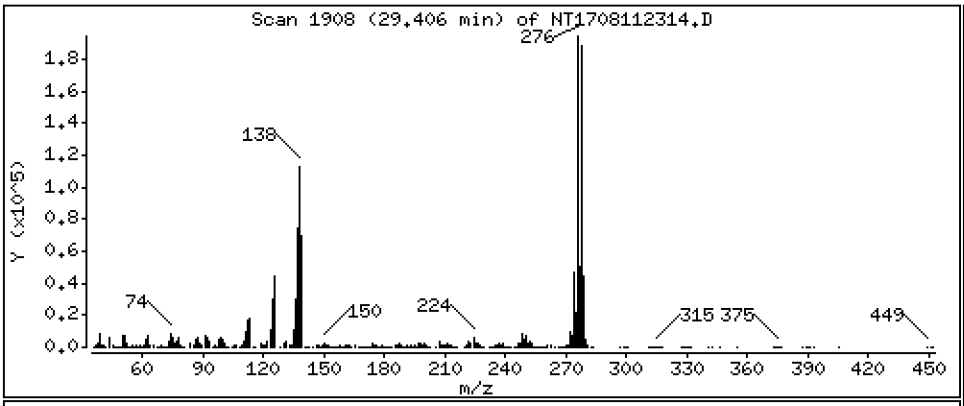
Operator: JGR

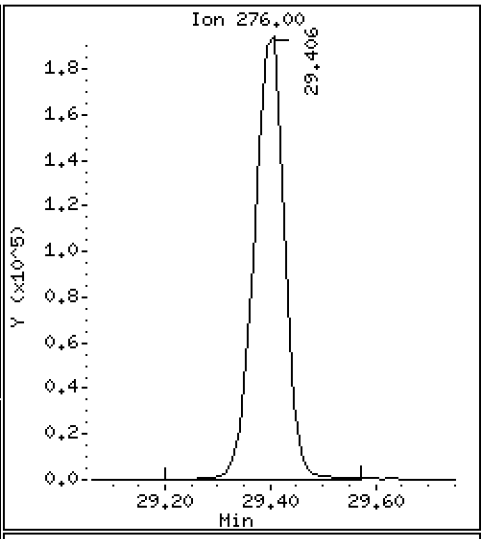
Column phase: ZB-5msi

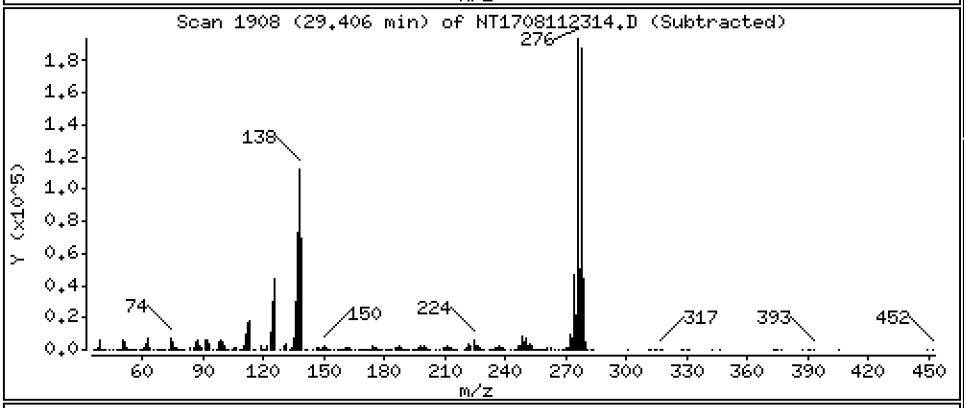
Column diameter: 0.25

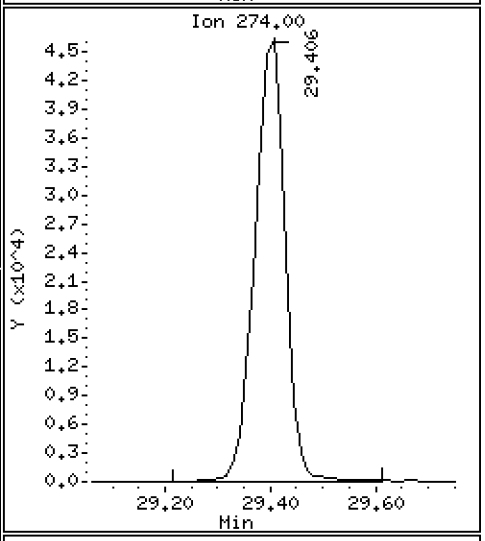
78 Indeno(1,2,3-cd)pyrene

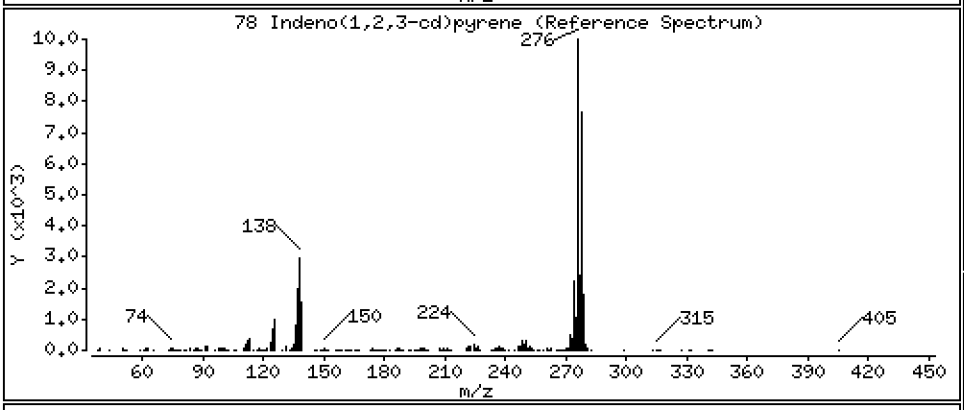
Concentration: 3.618 ug/mL

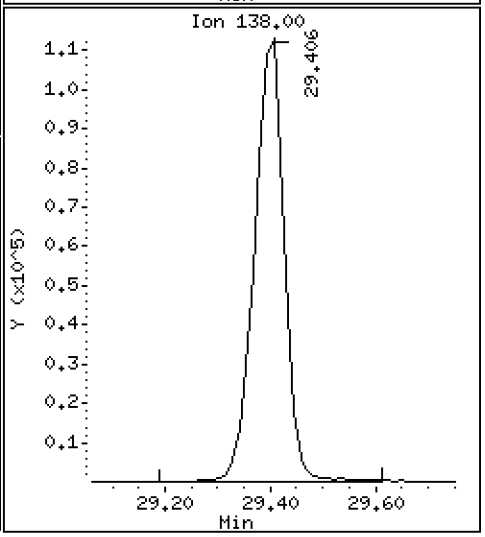


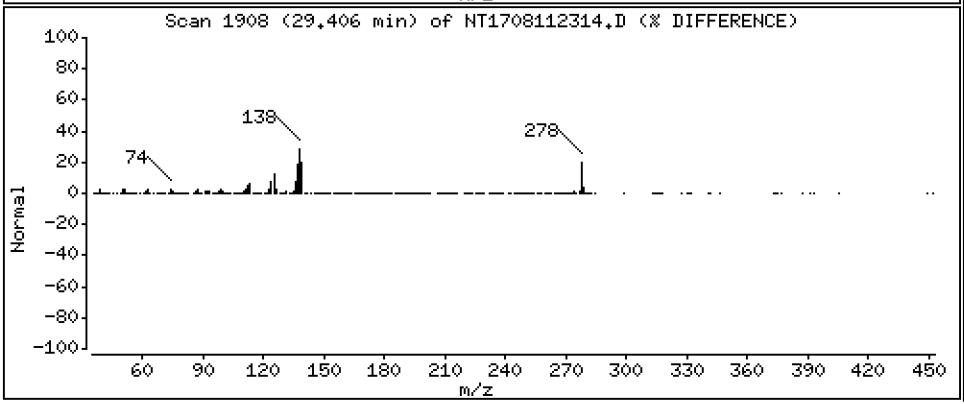












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

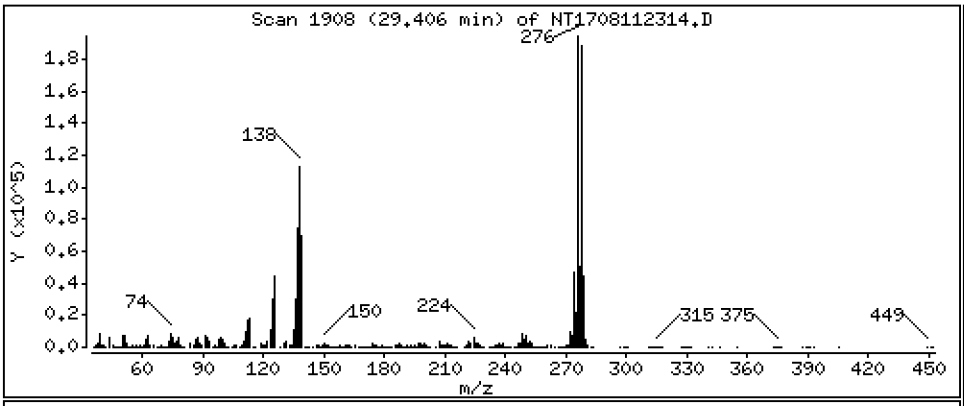
Operator: JGR

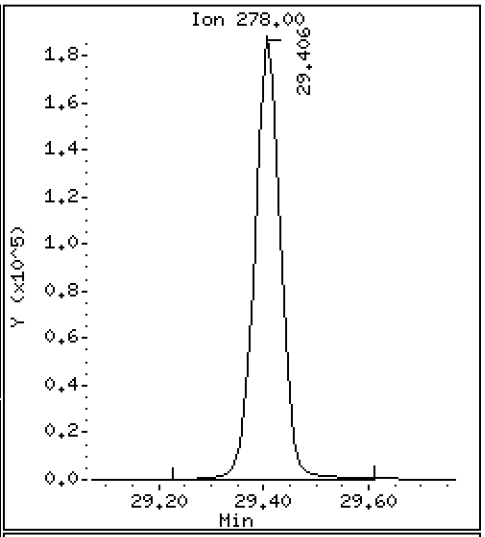
Column phase: ZB-5msi

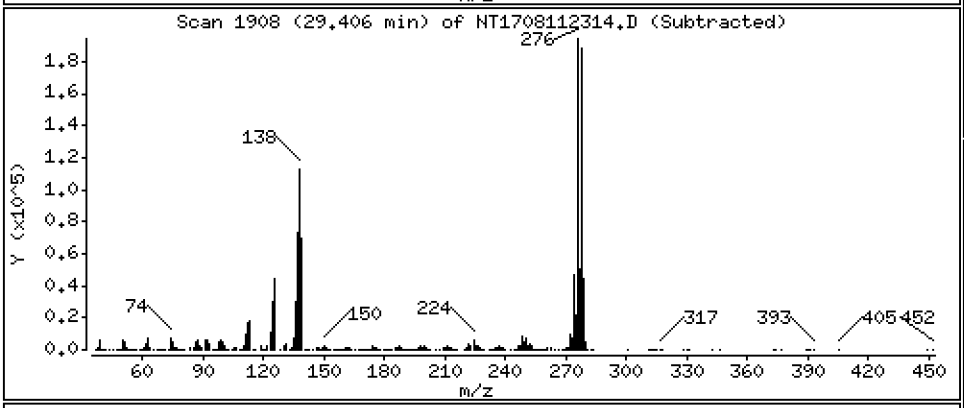
Column diameter: 0.25

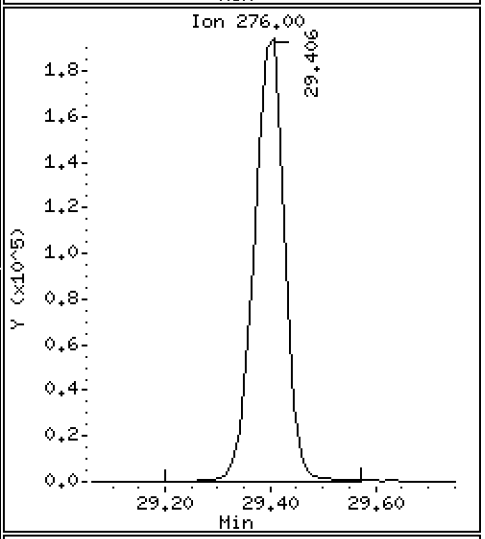
79 Dibenzo(a,h)anthracene

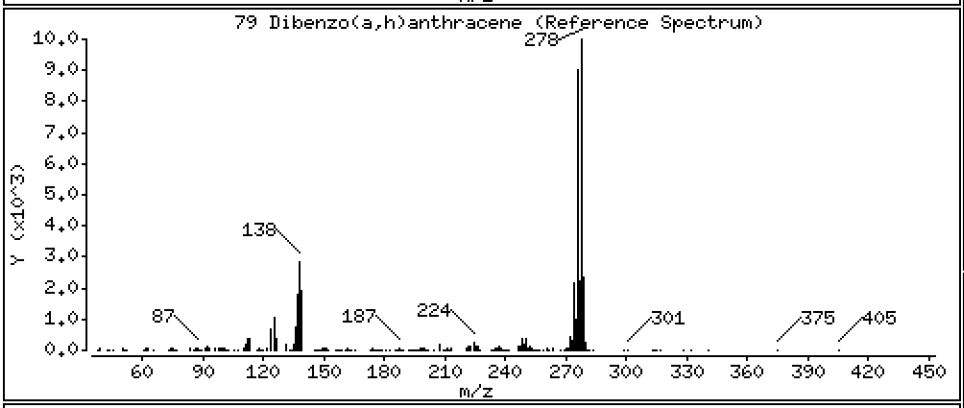
Concentration: 3.430 ug/mL

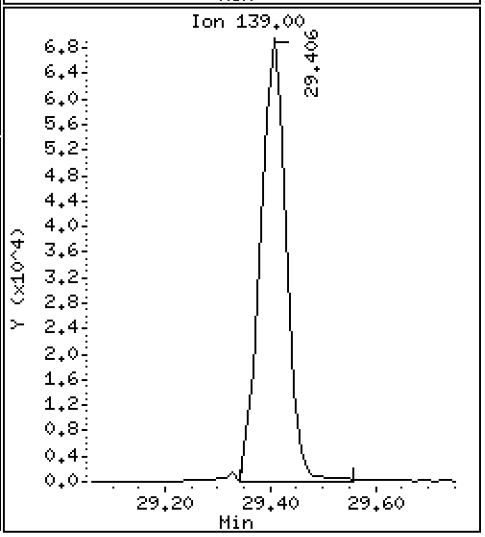


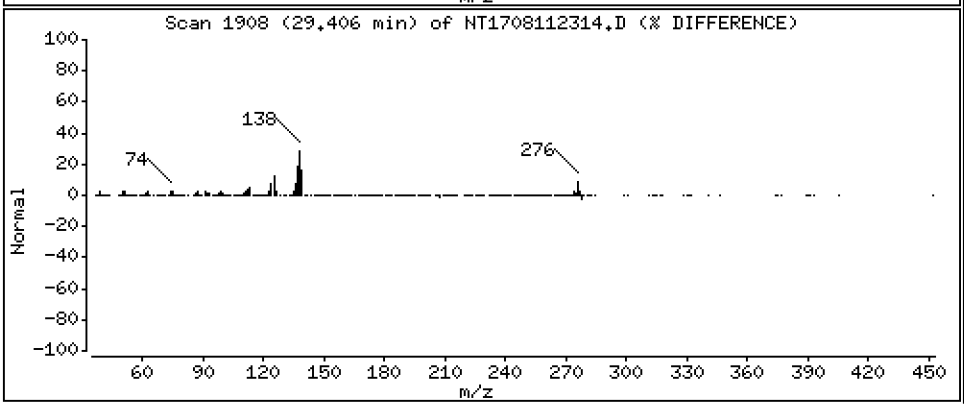












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

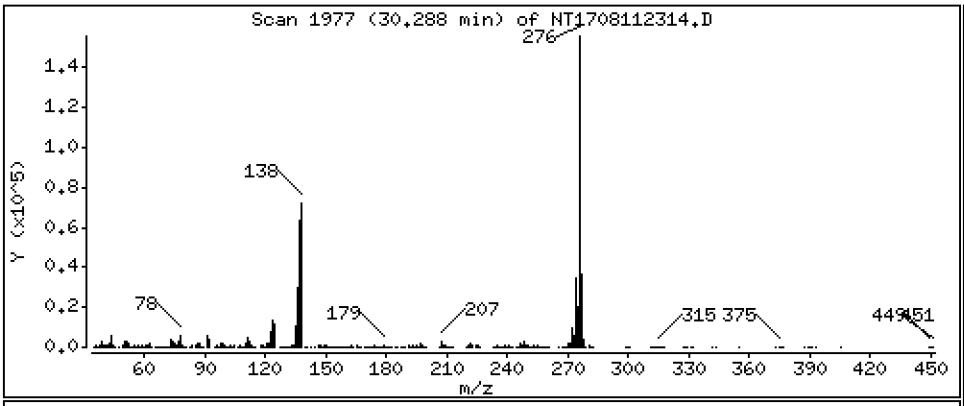
Operator: JGR

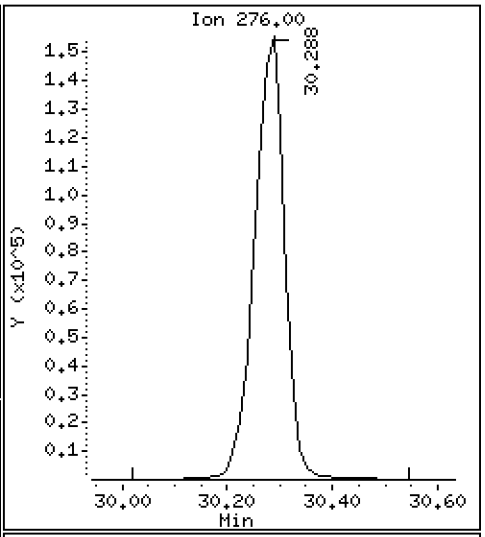
Column phase: ZB-5msi

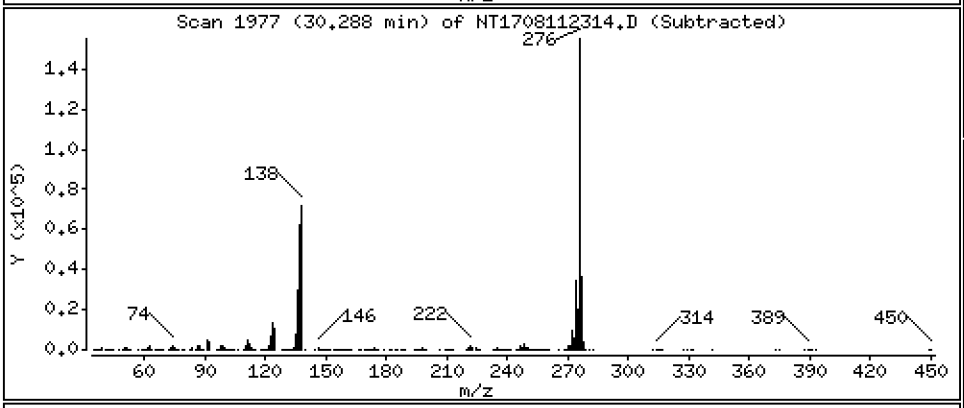
Column diameter: 0.25

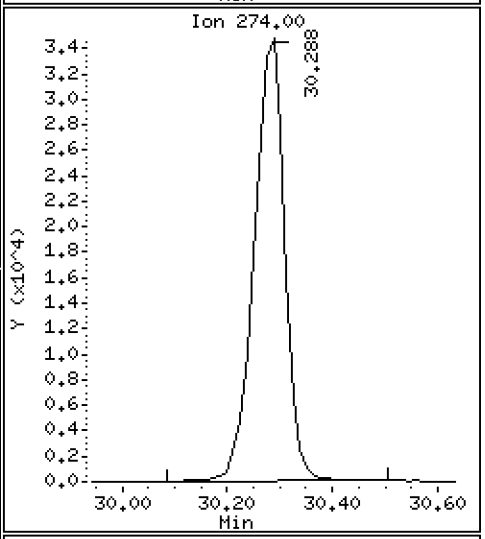
80 Benzo(g,h,i)perylene

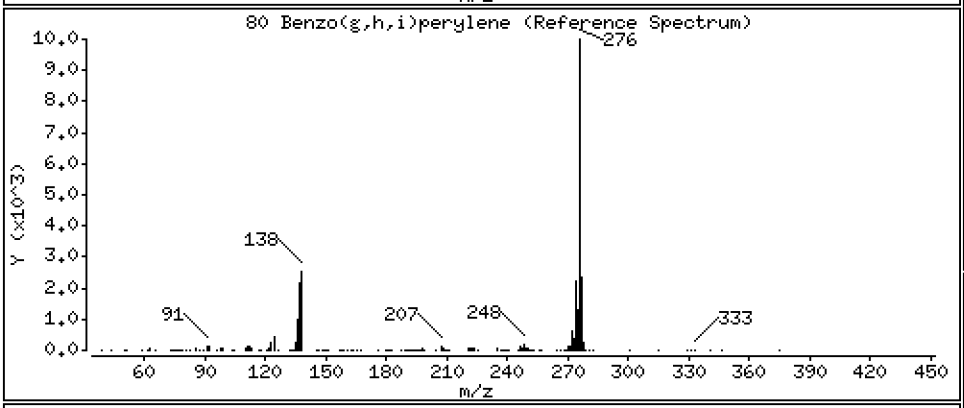
Concentration: 4.349 ug/mL

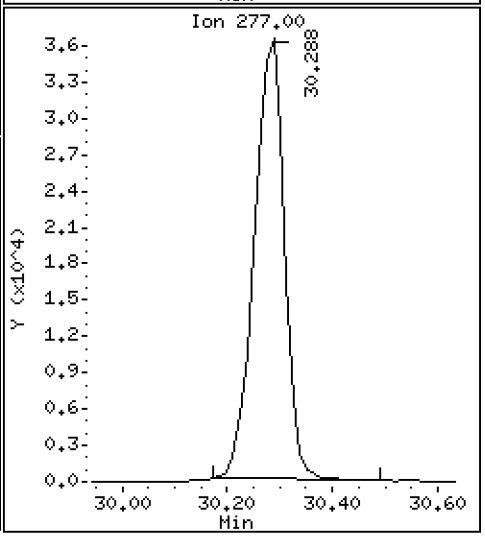


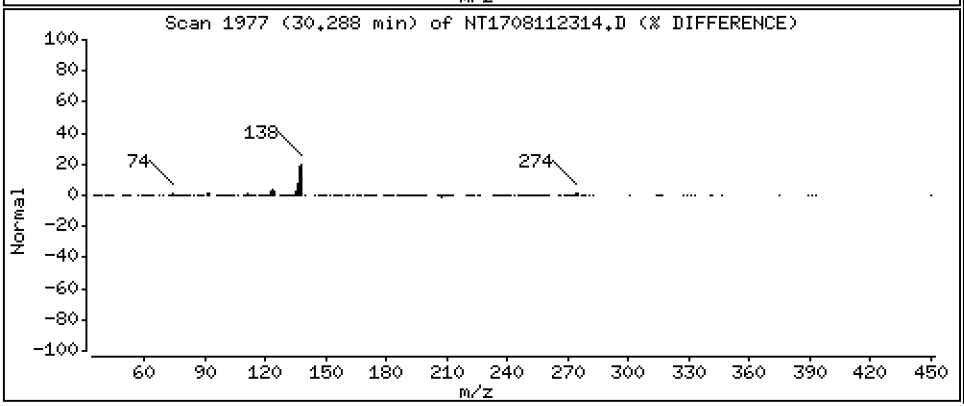












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

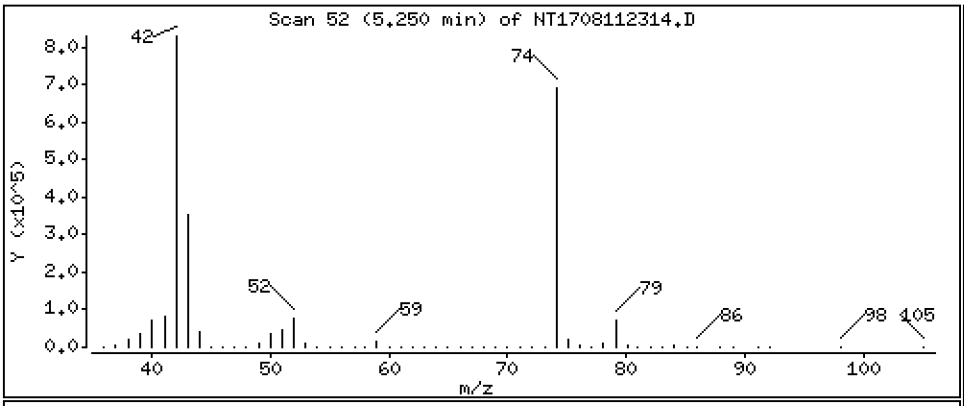
Operator: JGR

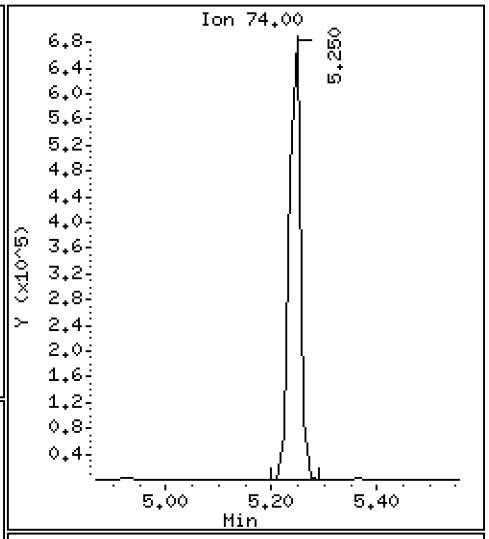
Column phase: ZB-5msi

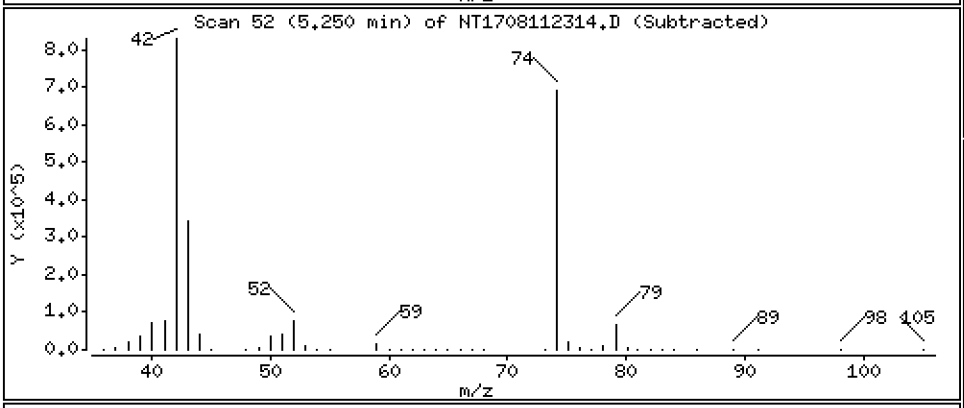
Column diameter: 0.25

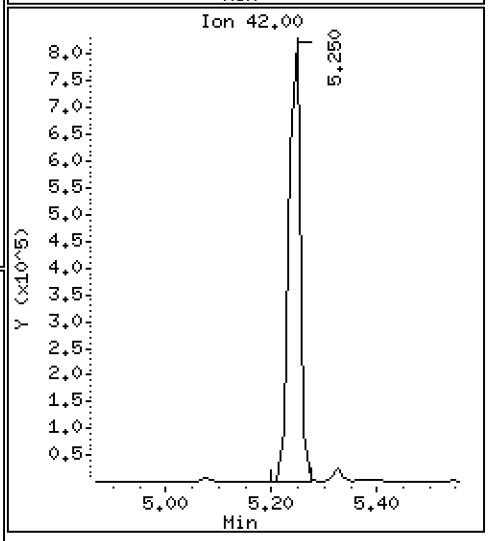
90 N-Nitrosodimethylamine

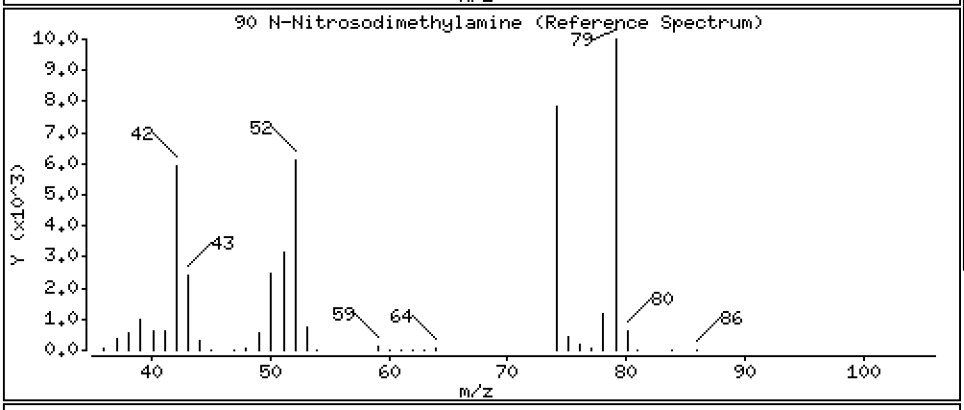
Concentration: 8.487 ug/mL

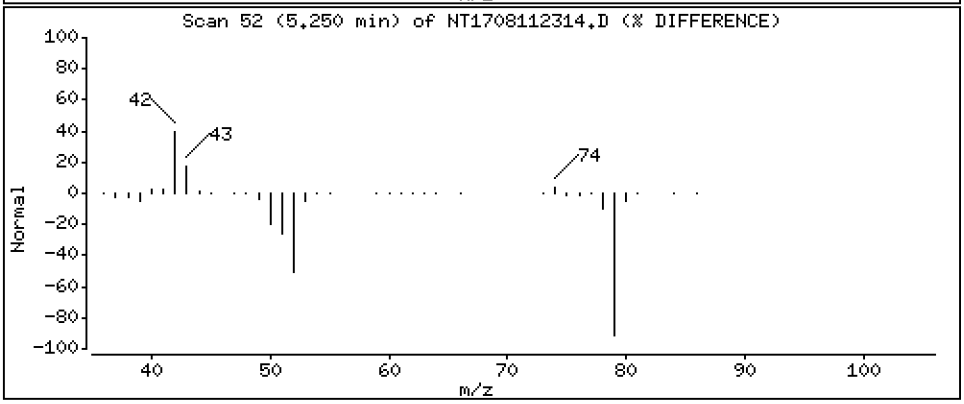












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

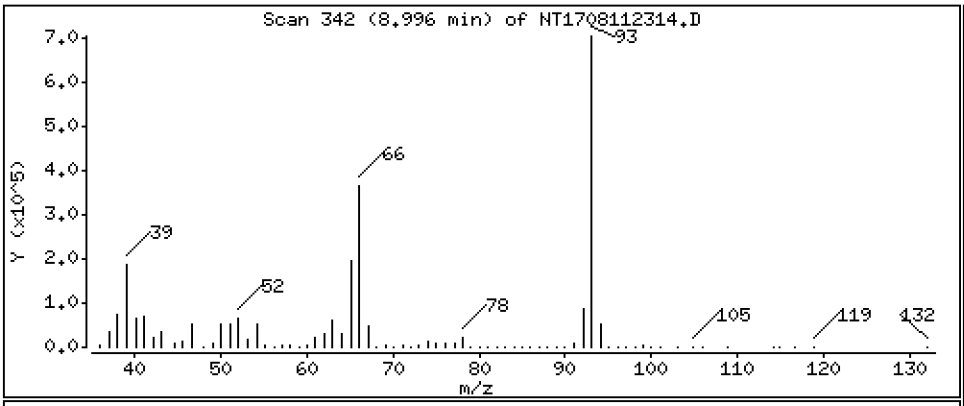
Operator: JGR

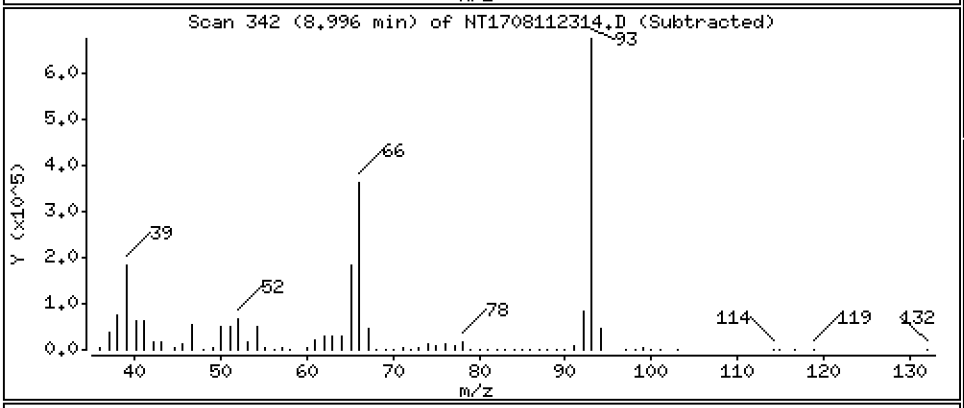
Column phase: ZB-5msi

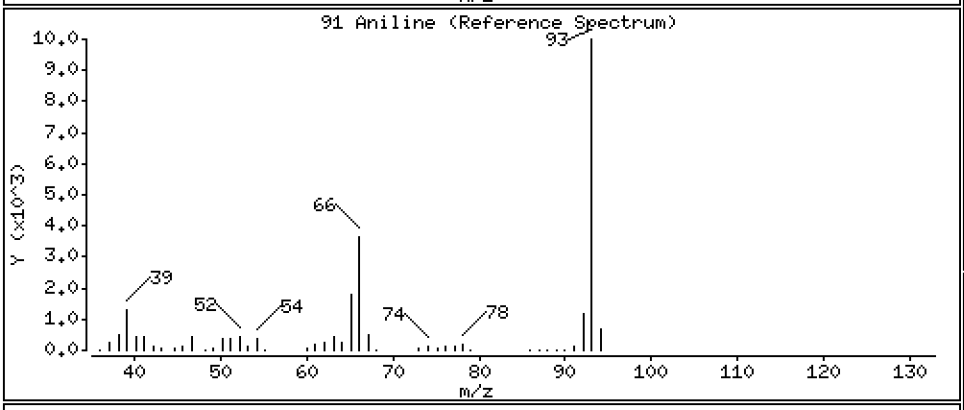
Column diameter: 0.25

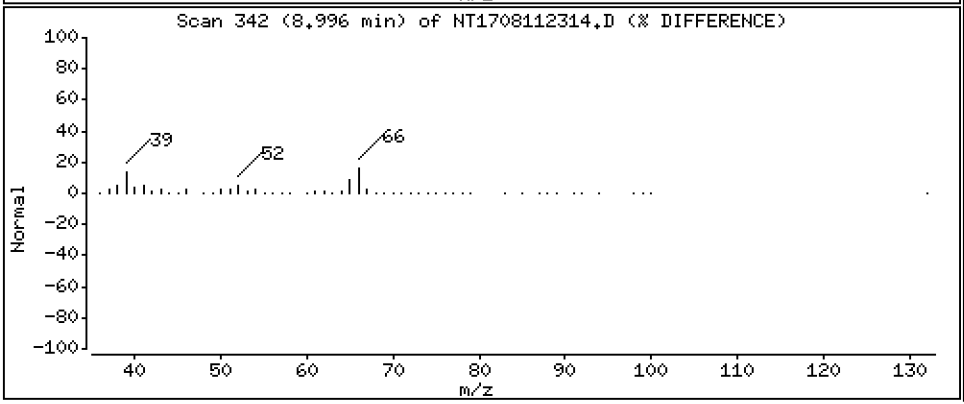
91 Aniline

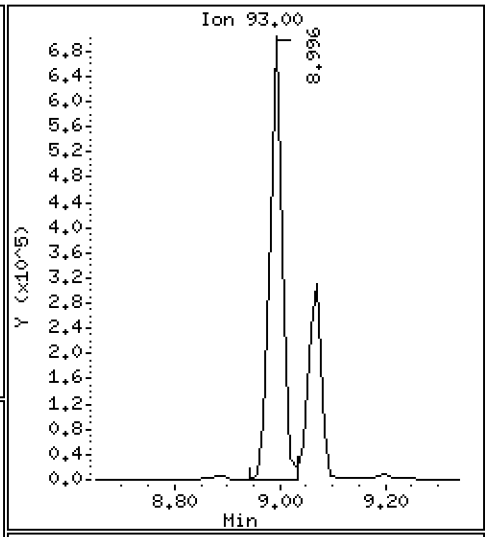
Concentration: 6.206 ug/mL

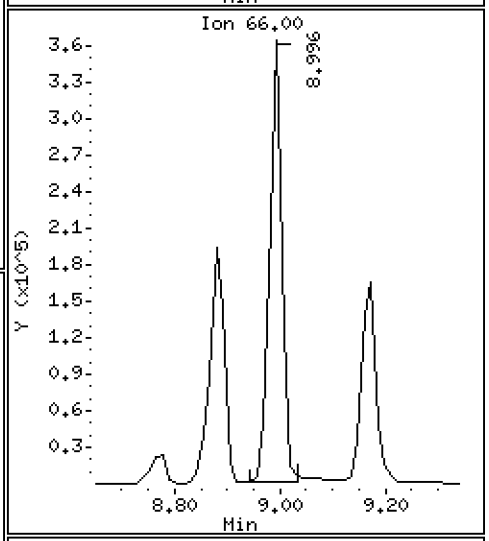


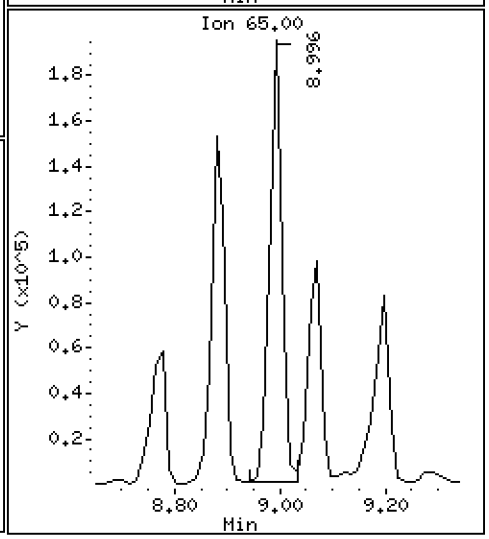












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

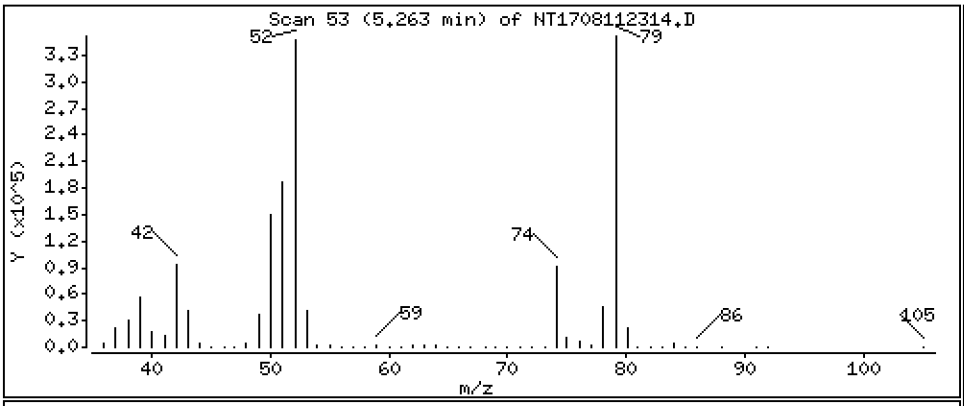
Operator: JGR

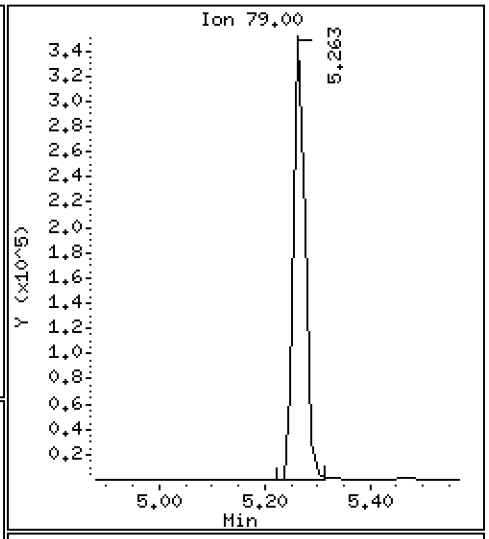
Column phase: ZB-5msi

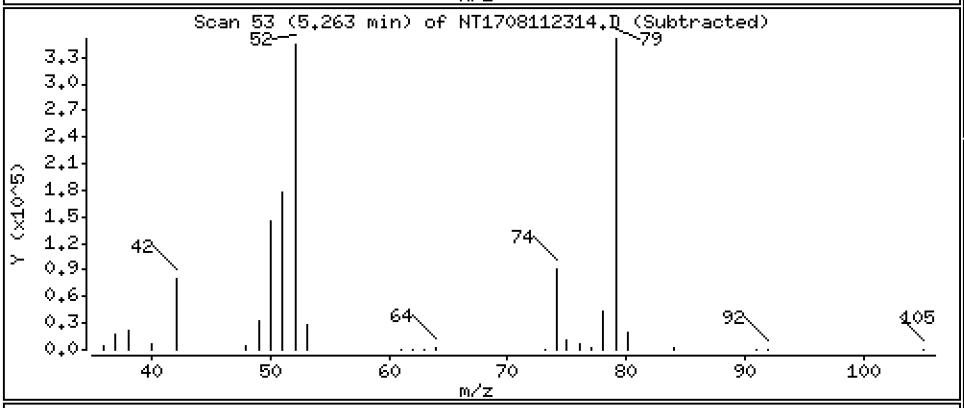
Column diameter: 0.25

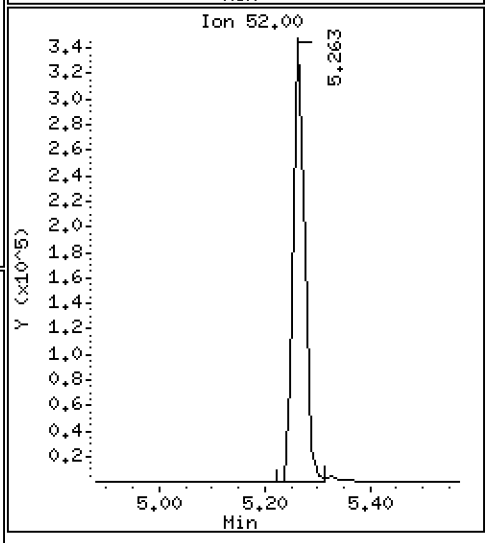
103 Pyridine

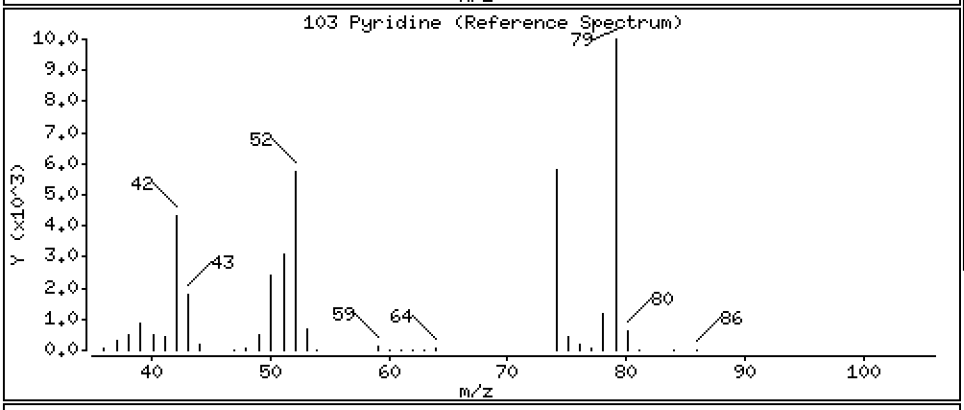
Concentration: 2.942 ug/mL

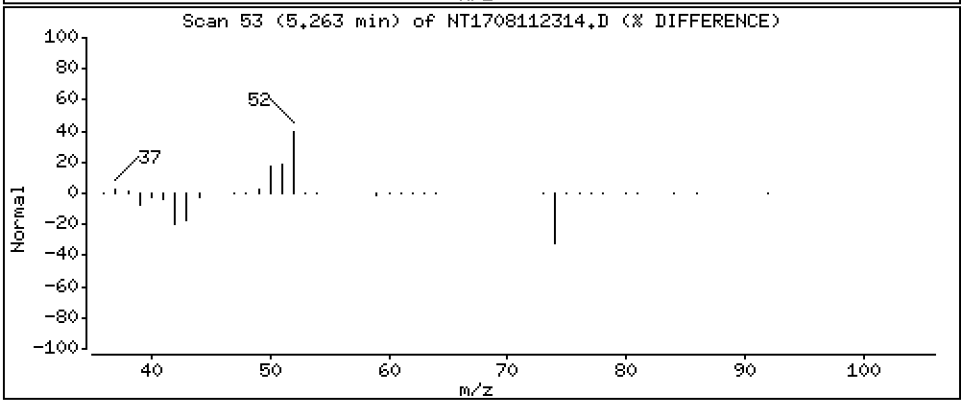












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

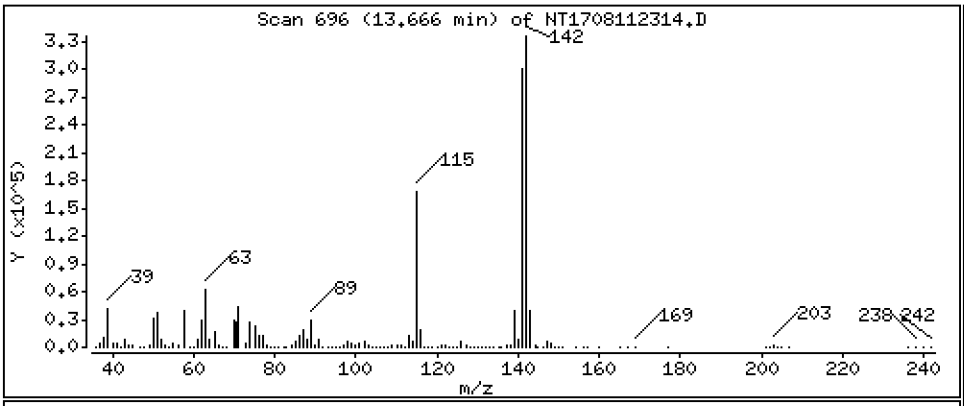
Operator: JGR

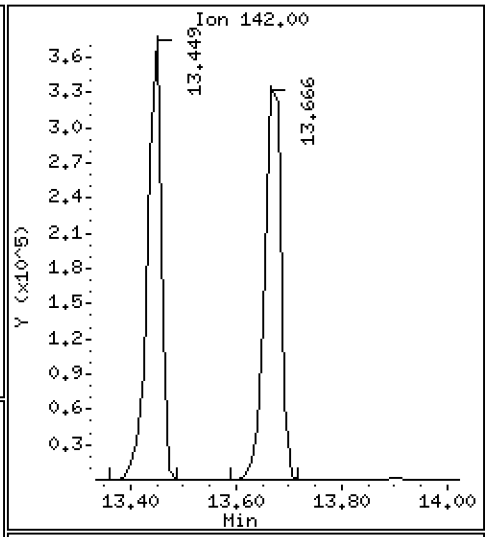
Column phase: ZB-5msi

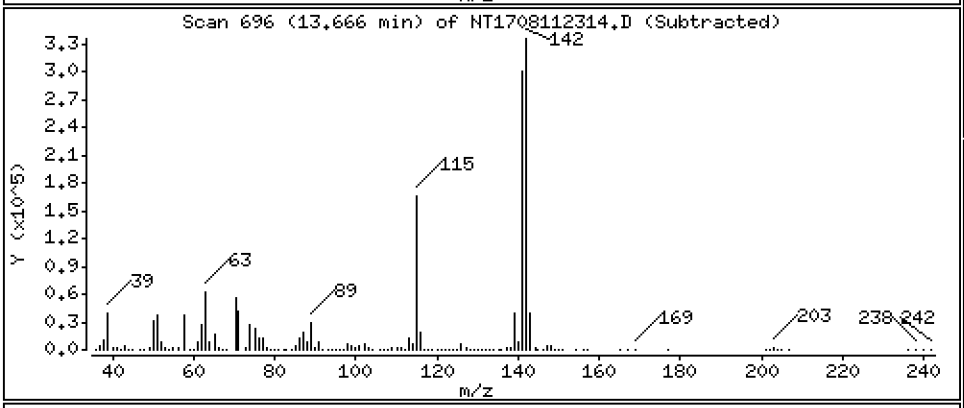
Column diameter: 0.25

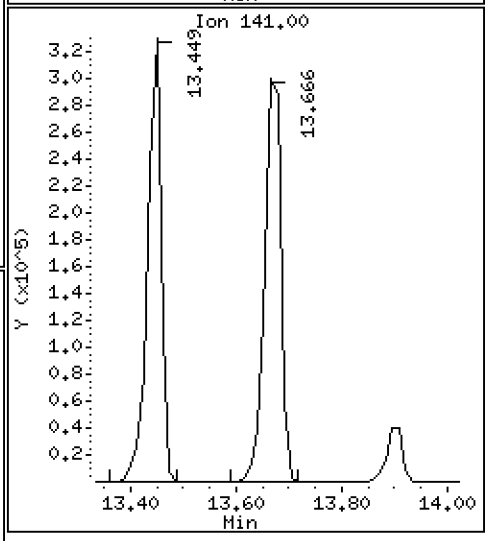
105 1-methylnaphthalene

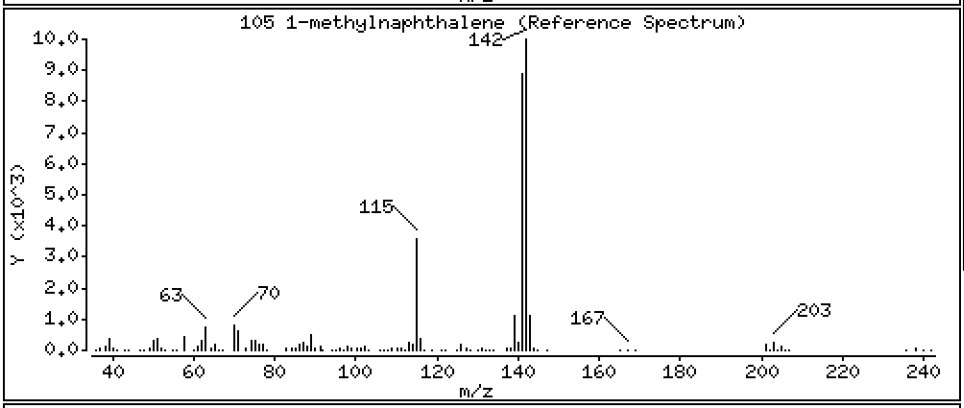
Concentration: 3.762 ug/mL

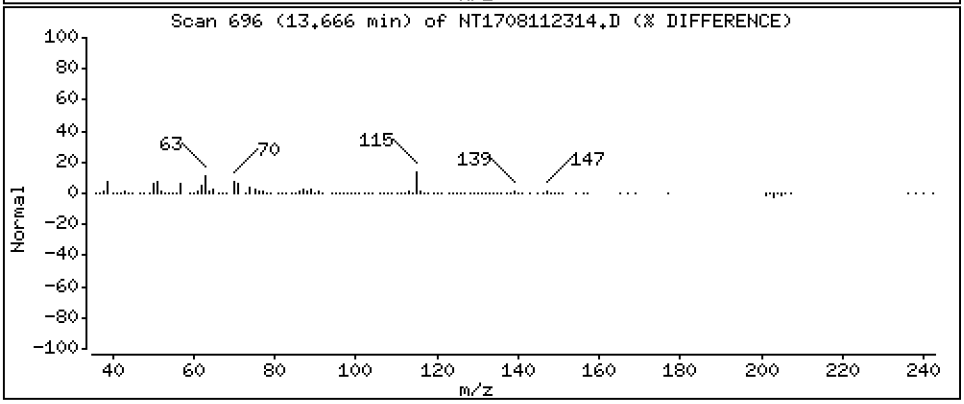












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

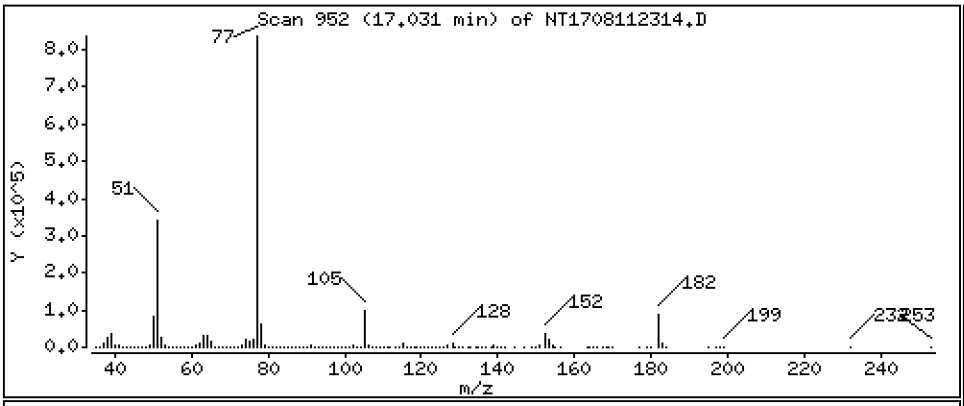
Operator: JGR

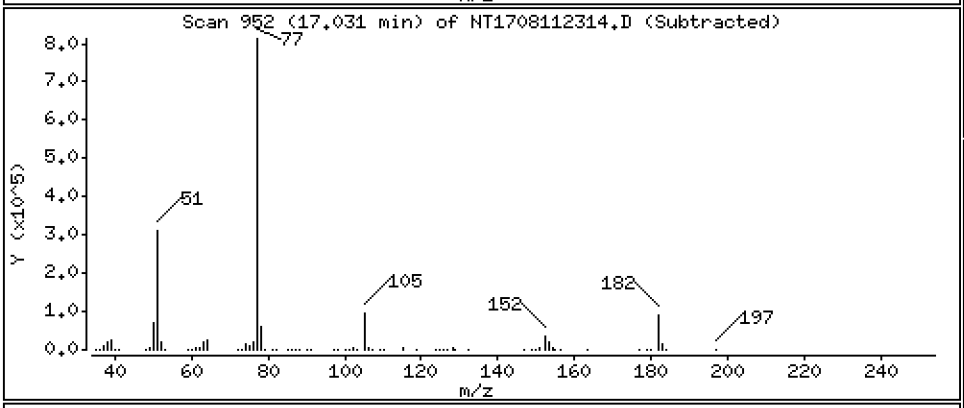
Column phase: ZB-5msi

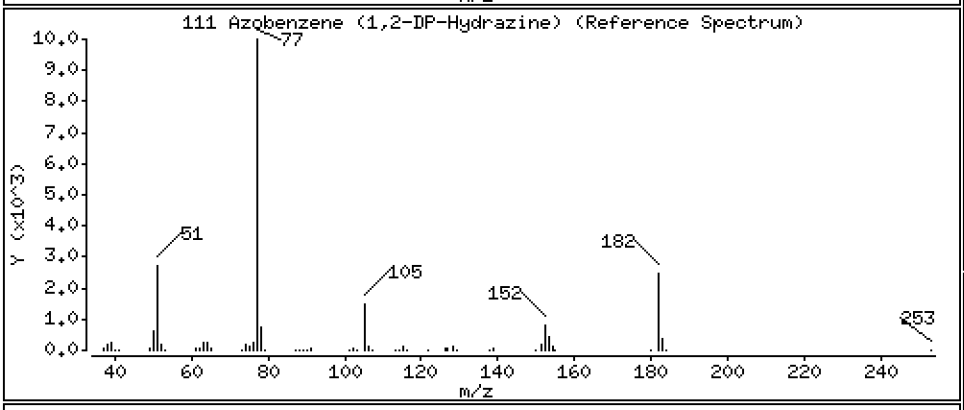
Column diameter: 0.25

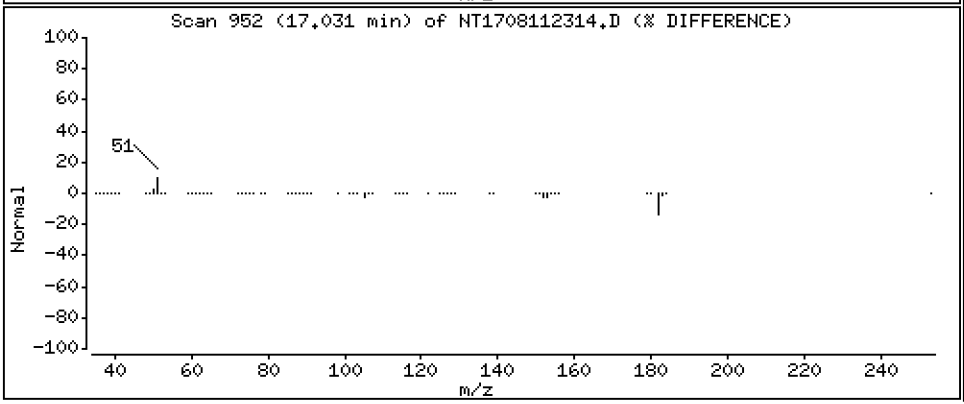
111 Azobenzene (1,2-DP-Hydrazine)

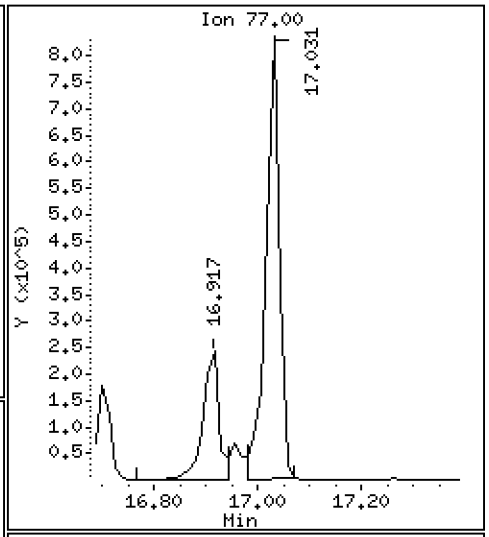
Concentration: 4.070 ug/mL

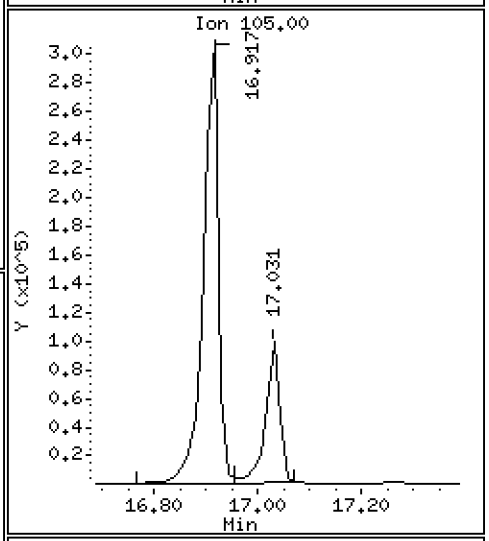


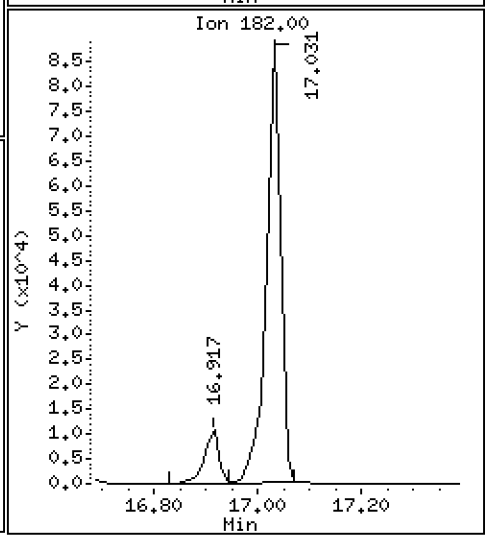












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

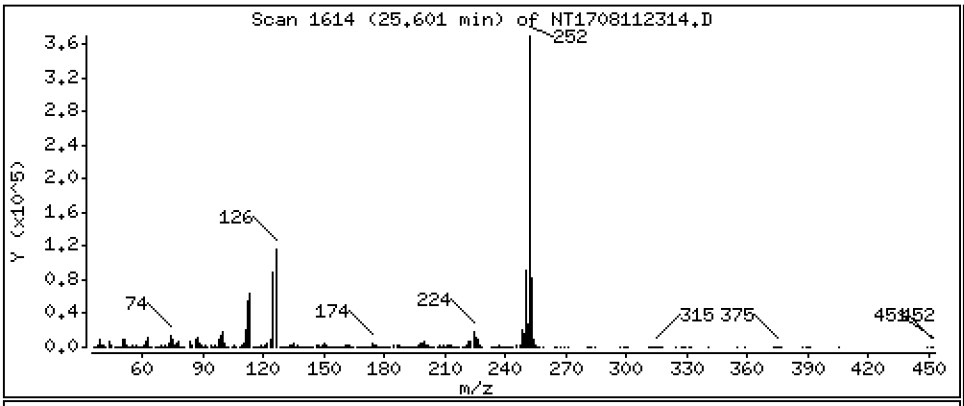
Operator: JGR

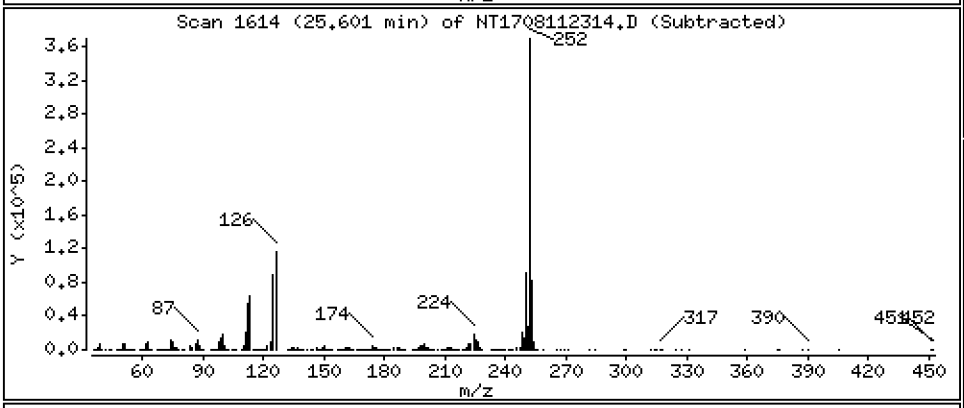
Column phase: ZB-5msi

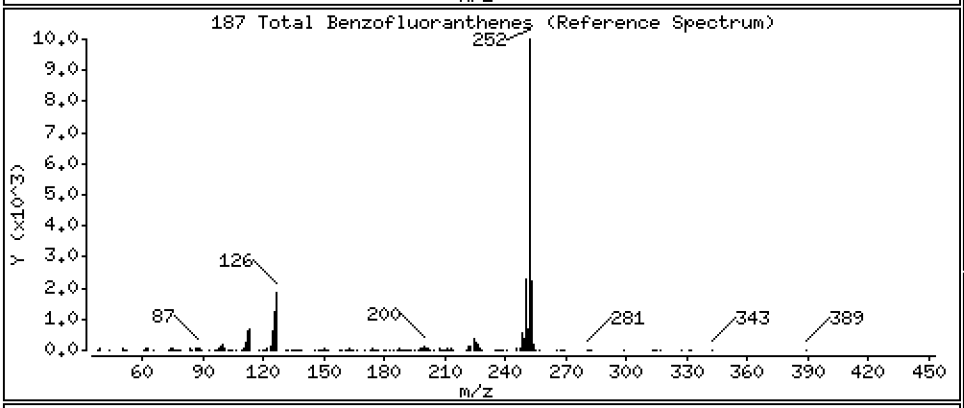
Column diameter: 0.25

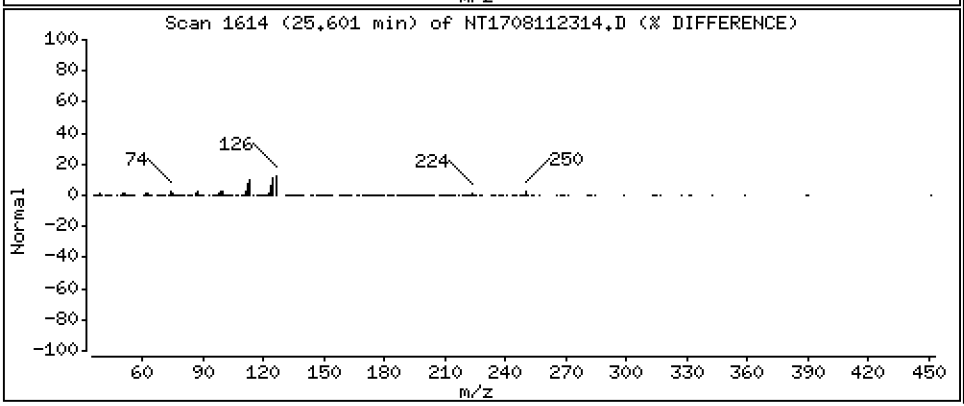
187 Total Benzofluoranthenes

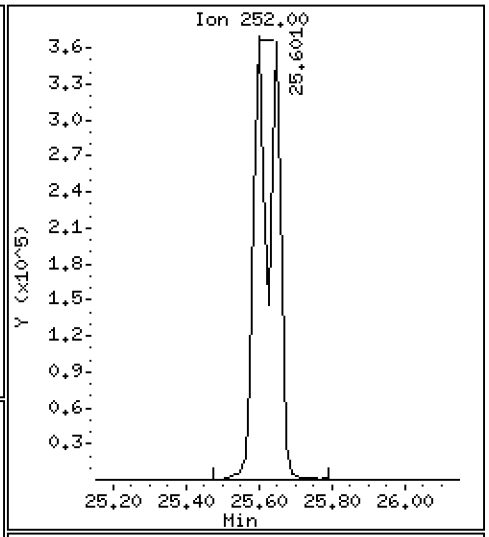
Concentration: 8.446 ug/mL

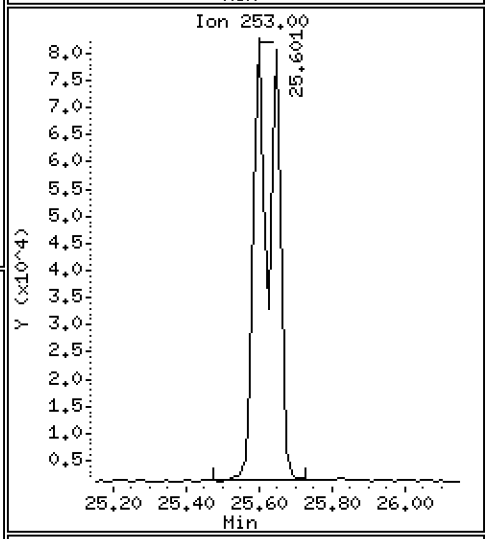


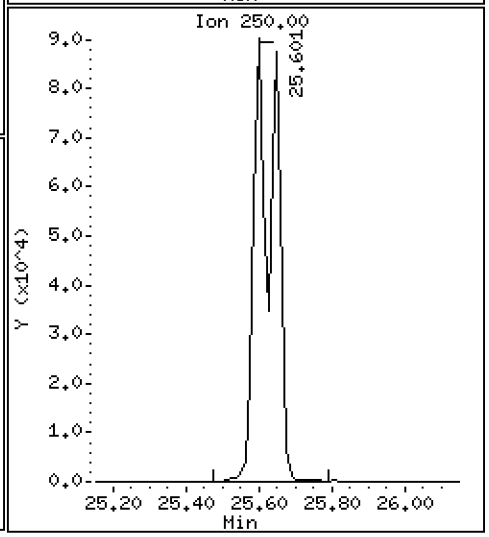












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

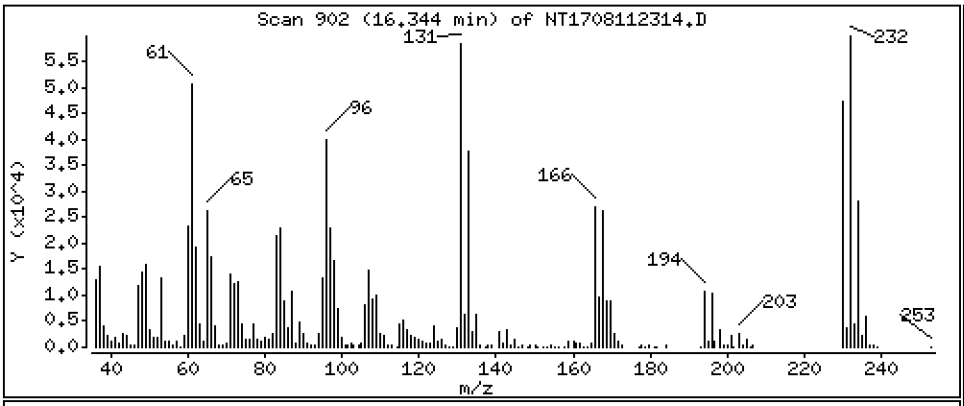
Operator: JGR

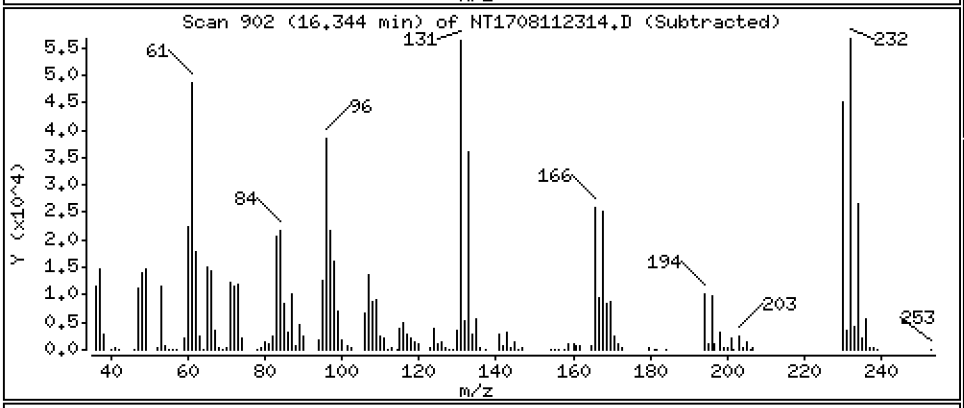
Column phase: ZB-5msi

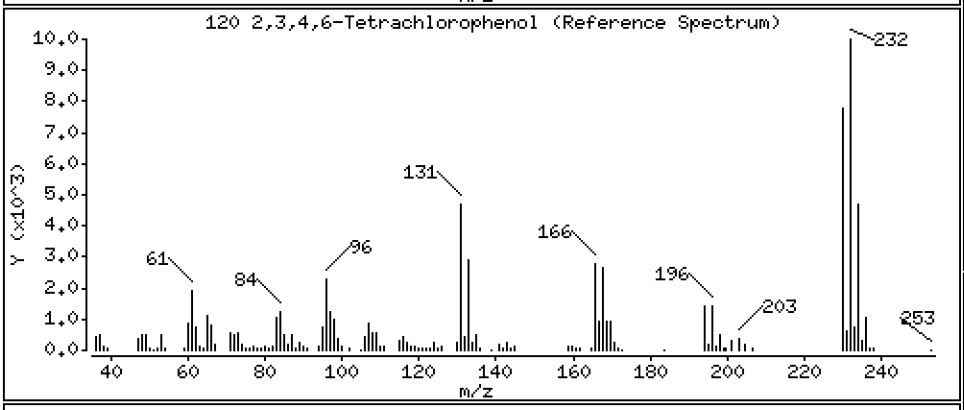
Column diameter: 0.25

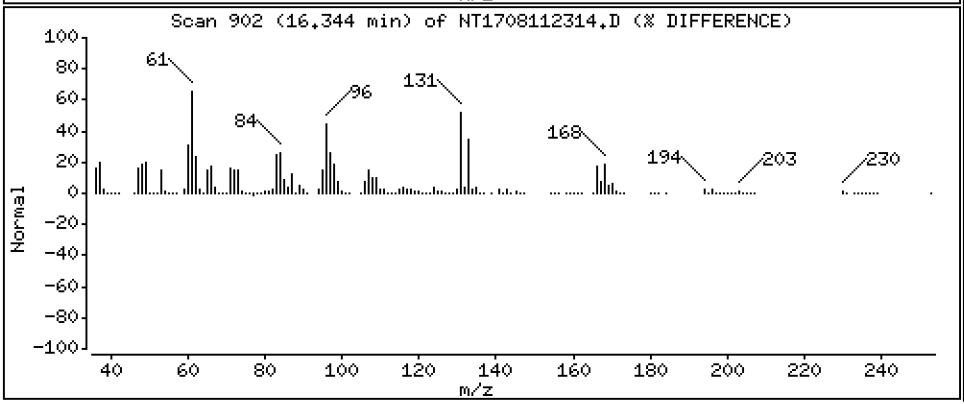
120 2,3,4,6-Tetrachlorophenol

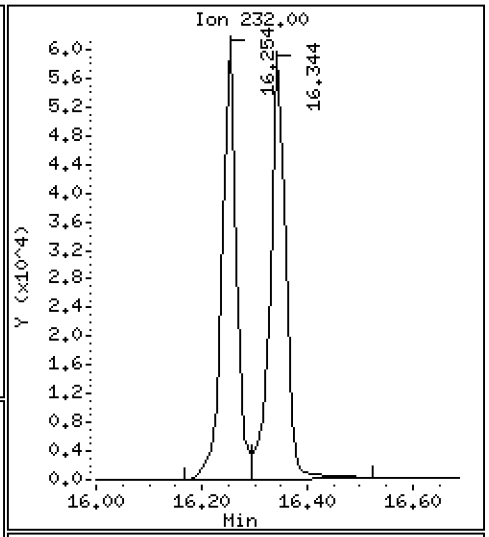
Concentration: 3.728 ug/mL

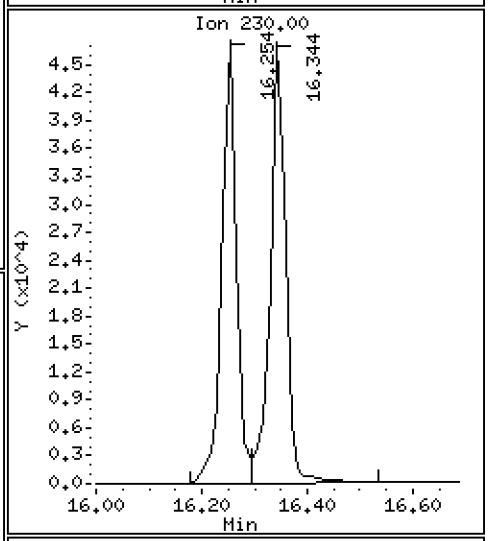


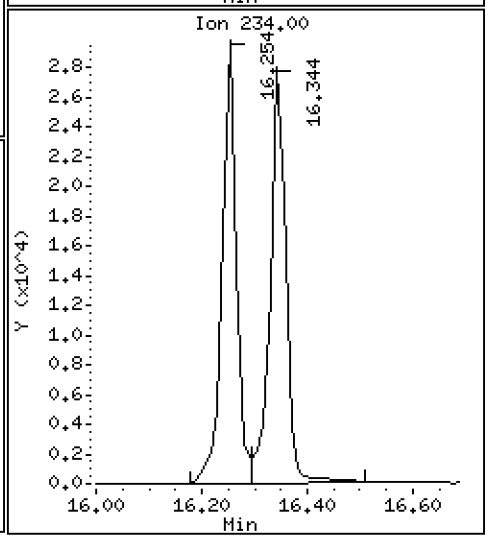












ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt17.i\20230811.b\NT1708112314.D
Lab Smp Id: BLH0180-BSD1
Inj Date : 11-AUG-2023 20:20
Operator : JGR Inst ID: nt17.i
Smp Info : BLH0180-BSD1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt17.i\20230811.b\ABN.m
Meth Date : 17-Aug-2023 10:28 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:16 Cal File: NT1708102308.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	7.301	7.301	(0.766)	591601	5.10216	5.102
$	2 Phenol-d5	99	8.868	8.868	(0.930)	823473	4.98785	4.988
	3 Phenol	94	8.880	8.880	(0.932)	616491	3.60442	3.604
$	5 2-Chlorophenol-d4	132	9.173	9.173	(0.963)	510600	4.96712	4.967
	4 Bis(2-Chloroethyl)ether	93	9.071	9.072	(0.952)	527290	3.78299	3.783
	6 2-Chlorophenol	128	9.199	9.199	(0.965)	371153	3.62019	3.620
	7 1,3-Dichlorobenzene	146	9.467	9.467	(0.993)	349439	3.22265	3.223
*	8 1,4-Dichlorobenzene-d4	152	9.531	9.531	(1.000)	256395	4.00000	
	9 1,4-Dichlorobenzene	146	9.569	9.569	(1.004)	340087	3.24228	3.242
$	10 1,2-Dichlorobenzene-d4	152	9.888	9.901	(1.038)	200989	3.14038	3.140
	12 1,2-Dichlorobenzene	146	9.914	9.927	(1.040)	336934	3.28680	3.287
	11 Benzyl alcohol	108	9.799	9.786	(1.028)	287879	3.71322	3.713
	14 2,2'-oxybis(1-Chloropropane)	121	10.080	10.093	(1.058)	145236	4.23356	4.234
	13 2-Methylphenol	108	10.003	10.003	(1.050)	384609	3.45878	3.459
	17 Hexachloroethane	117	10.514	10.514	(1.103)	187387	3.46148	3.461
	16 N-Nitroso-di-n-propylamine	70	10.348	10.348	(1.086)	483703	3.78480	3.785
	15 4-Methylphenol	108	10.272	10.272	(1.078)	522044	3.31797	3.318
$	18 Nitrobenzene-d5	82	10.629	10.629	(0.884)	642320	3.79758	3.798
	19 Nitrobenzene	77	10.668	10.668	(0.887)	702685	3.86702	3.867
	20 Isophorone	82	11.102	11.102	(0.924)	1479900	5.28138	5.281
	21 2-Nitrophenol	139	11.294	11.294	(0.940)	186996	3.42605	3.426
	22 2,4-Dimethylphenol	107	11.319	11.319	(0.942)	1139896	9.12429	9.124
	23 Bis(2-Chloroethoxy)methane	93	11.523	11.523	(0.959)	627484	4.27042	4.270
	24 Benzoic acid	105	11.562	11.549	(0.962)	2109008	19.5098	19.51
	25 2,4-Dichlorophenol	162	11.728	11.728	(0.976)	861799	12.9041	12.90
	26 1,2,4-Trichlorobenzene	180	11.919	11.932	(0.992)	242156	3.26405	3.264
*	27 Naphthalene-d8	136	12.021	12.021	(1.000)	1088188	4.00000	
	28 Naphthalene	128	12.059	12.059	(1.003)	1081610	3.65456	3.655
	29 4-Chloroaniline	127	12.186	12.186	(1.014)	1123852	8.33870	8.339
	30 Hexachlorobutadiene	225	12.403	12.403	(1.032)	112298	3.29330	3.293
	31 4-Chloro-3-methylphenol	107	13.117	13.117	(1.091)	1520784	12.4539	12.45
	32 2-Methylnaphthalene	142	13.449	13.449	(1.119)	704154	3.43633	3.436
	33 Hexachlorocyclopentadiene	237	13.908	13.908	(0.890)	333400	7.21593	7.216

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
34	2,4,6-Trichlorophenol	196	14.061	14.061	(0.900)	595701	11.6576	11.66
35	2,4,5-Trichlorophenol	196	14.137	14.137	(0.905)	633521	13.6591	13.66
$ 36	2-Fluorobiphenyl	172	14.214	14.227	(0.909)	635782	3.54027	3.540
37	2-Chloronaphthalene	162	14.443	14.443	(0.924)	610304	3.75539	3.755
38	2-Nitroaniline	65	14.699	14.699	(0.940)	1564945	11.9274	11.93
39	Dimethylphthalate	163	15.119	15.119	(0.967)	722411	4.26270	4.263
40	Acenaphthylene	152	15.324	15.324	(0.980)	982156	3.92611	3.926
41	2,6-Dinitrotoluene	165	15.273	15.273	(0.977)	503402	13.6660	13.67
* 42	Acenaphthene-d10	164	15.630	15.630	(1.000)	485590	4.00000	
43	3-Nitroaniline	138	15.553	15.553	(0.995)	500632	8.31712	8.317
44	Acenaphthene	153	15.693	15.693	(1.004)	620430	3.95006	3.950
45	2,4-Dinitrophenol	184	15.770	15.770	(1.009)	635044	27.5863	27.59
46	Dibenzofuran	168	16.025	16.025	(1.025)	808424	3.78935	3.789
47	4-Nitrophenol	109	15.846	15.846	(1.014)	566900	13.2196	13.22
48	2,4-Dinitrotoluene	165	16.076	16.076	(1.029)	680496	11.7181	11.72
50	Diethylphthalate	149	16.560	16.560	(1.060)	1113531	5.11887	5.119
49	Fluorene	166	16.725	16.726	(1.070)	670954	3.92907	3.929
51	4-Chlorophenyl-phenylether	204	16.700	16.713	(1.068)	313737	4.06761	4.068
52	4-Nitroaniline	138	16.827	16.827	(1.077)	611145	12.6928	12.69
53	4,6-Dinitro-2-methylphenol	198	16.916	16.916	(0.906)	716121	24.1179	24.12
54	N-Nitrosodiphenylamine	169	16.955	16.955	(0.909)	429529	3.58566	3.586
$ 55	2,4,6-Tribromophenol	330	17.260	17.260	(1.104)	86119	5.77912	5.779
56	4-Bromophenyl-phenylether	248	17.705	17.705	(0.949)	133615	4.05678	4.057
57	Hexachlorobenzene	284	18.037	18.037	(0.967)	134396	3.70035	3.700
58	Pentachlorophenol	266	18.381	18.381	(0.985)	324298	14.2792	14.28
* 59	Phenanthrene-d10	188	18.662	18.662	(1.000)	792604	4.00000	
60	Phenanthrene	178	18.713	18.713	(1.003)	939337	4.09983	4.100
61	Anthracene	178	18.802	18.802	(1.008)	893135	4.34639	4.346
62	Carbazole	167	19.121	19.121	(1.025)	775620	3.71094	3.711
63	Di-n-butylphthalate	149	19.860	19.860	(1.064)	1491728	3.91529	3.915
64	Fluoranthene	202	21.059	21.059	(0.891)	996260	4.57375	4.574
65	Pyrene	202	21.480	21.480	(0.909)	1016265	4.46574	4.466
$ 66	Terphenyl-d14	244	21.735	21.735	(0.920)	651168	4.04921	4.049
67	Butylbenzylphthalate	149	22.641	22.641	(0.958)	672425	4.29966	4.300
68	Benzo(a)anthracene	228	23.610	23.610	(0.999)	842557	4.11578	4.116
* 69	Chrysene-d12	240	23.636	23.648	(1.000)	532076	4.00000	
70	3,3'-Dichlorobenzidine	252	23.559	23.559	(0.997)	524007	8.68098	8.681
71	Chrysene	228	23.687	23.687	(1.002)	736411	4.20049	4.200
72	bis(2-Ethylhexyl)phthalate	149	23.636	23.636	(0.959)	970056	4.09226	4.092
* 134	Di-n-octylphthalate-d4	153	24.643	24.643	(1.000)	1440455	4.00000	
73	Di-n-octylphthalate	149	24.656	24.656	(1.001)	1648481	4.23713	4.237
74	Benzo(b)fluoranthene	252	25.600	25.600	(0.968)	849317	3.74315	3.743
75	Benzo(k)fluoranthene	252	25.651	25.651	(0.970)	746630	3.88217	3.882
76	Benzo(a)pyrene	252	26.327	26.327	(0.995)	657838	3.78461	3.785
* 77	Perylene-d12	264	26.455	26.455	(1.000)	520509	4.00000	
78	Indeno(1,2,3-cd)pyrene	276	29.406	29.406	(1.112)	769474	3.61786	3.618
79	Dibenzo(a,h)anthracene	278	29.406	29.419	(1.112)	640398	3.43046	3.430
80	Benzo(g,h,i)perylene	276	30.288	30.288	(1.145)	634065	4.34867	4.349(M)
90	N-Nitrosodimethylamine	74	5.249	5.211	(0.551)	1021002	8.48694	8.487
91	Aniline	93	8.995	8.995	(0.944)	1156663	6.20558	6.206
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	5.262	5.224	(0.552)	506048	2.94231	2.942
105	1-methylnaphthalene	142	13.665	13.678	(1.137)	706813	3.76156	3.762
111	Azobenzene (1,2-DP-Hydrazine)	77	17.031	17.031	(1.090)	1505900	4.07017	4.070

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.600	25.651	(0.968)	1500761	8.44572	8.446
120 2,3,4,6-Tetrachlorophenol	232	16.343	16.343	(1.046)	133300	3.72814	3.728

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708112314.D
Lab Smp Id: BLH0180-BSD1
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230811.b\ABN.m
Misc Info:

Calibration Date: 11-AUG-2023
Calibration Time: 12:50
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	243724	121862	487448	256395	5.20
27 Naphthalene-d8	1014927	507464	2029854	1088188	7.22
42 Acenaphthene-d10	473303	236652	946606	485590	2.60
59 Phenanthrene-d10	780320	390160	1560640	792604	1.57
69 Chrysene-d12	509205	254603	1018410	532076	4.49
134 Di-n-octylphthala	1278671	639336	2557342	1440455	12.65
77 Perylene-d12	502984	251492	1005968	520509	3.48

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.53	9.03	10.03	9.53	-0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	-0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	-0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.66	-0.00
69 Chrysene-d12	23.65	23.15	24.15	23.64	-0.05
134 Di-n-octylphthala	24.64	24.14	25.14	24.64	-0.00
77 Perylene-d12	26.46	25.96	26.96	26.46	-0.00

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

REVIEW SUMMARY FOR FILE - NT1708112314.D

Lab ID: BLH0180-BSD1
nt17.i, ABN.m, 11-AUG-2023 20:20

RT	CO-ELUTION COMPOUNDS
29.406	Indeno(1,2,3-cd)pyrene and Dibenzo(a,h)anthracene
29.406	Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
NONE			

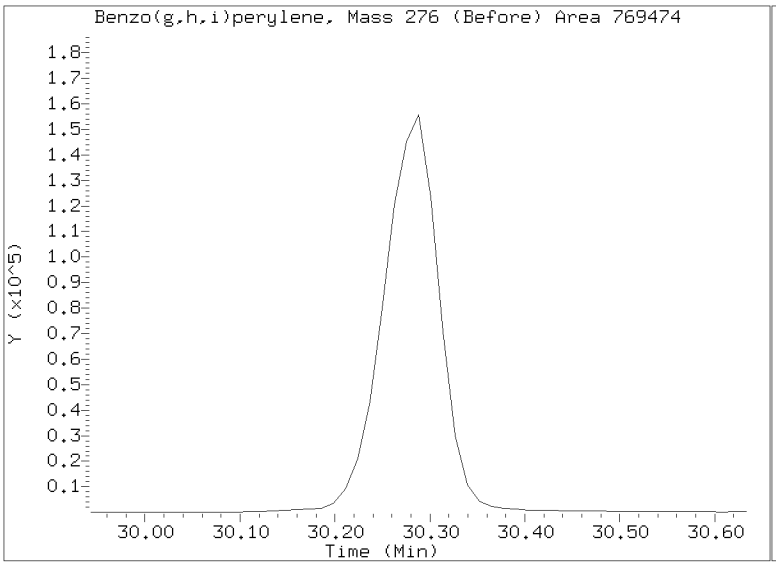
RRT check based on Ccal File: NT1708112302.D

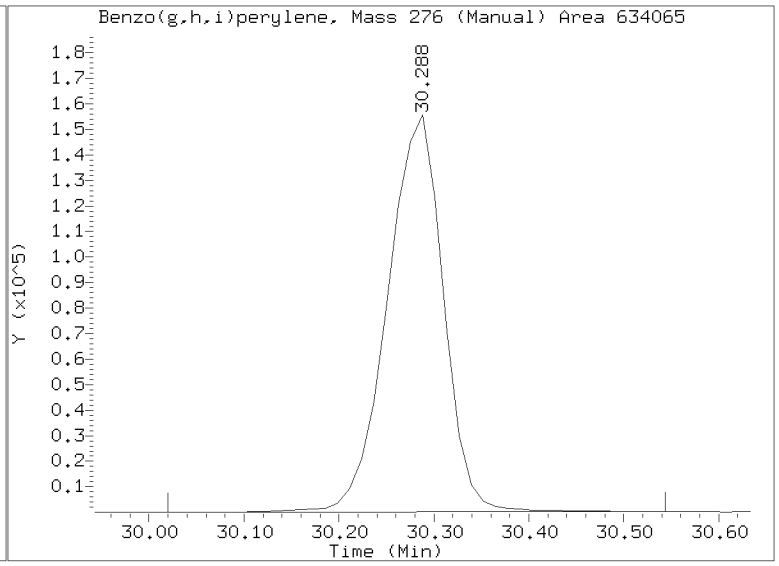
On Column LOD for nt17.i, ABN.m, ICAL.sub = 0.0000

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

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230811.b/NT1708112314.D
Injection Date: 11-AUG-2023 20:20
Lab ID:BLH0180-BSD1 Client ID:
Report Date: 08/17/2023 10:31





Analytical Resources, LLC
Analytical Chemists and Consultants

LDW23-SS1068

MS / MS DUPLICATE RECOVERY
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Matrix:	Solid	Analyzed:	08/11/23 20:57
Batch:	BLH0180	Laboratory ID:	BLH0180-MS1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	Matrix Spike
Initial/Final:	12.63 g / 1 mL	Source Sample:	LDW23-SS1068

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	Q	MS CONCENTRATION (ug/kg dry)	Q	MS % REC. #	QC LIMITS REC.
Phenol	500.10	20.2		365		68.9	34 - 120
4-Methylphenol	500.10	ND	U	310		62.0	29 - 120
Naphthalene	500.10	ND	U	351		70.1	43 - 120
2-Methylnaphthalene	500.10	ND	U	337		67.3	43 - 120
Acenaphthylene	500.10	ND	U	370		74.0	42 - 120
Dimethylphthalate	500.10	ND	U	396		79.2	43 - 120
Acenaphthene	500.10	ND	U	382		76.3	45 - 120
Dibenzofuran	500.10	ND	U	366		73.2	43 - 120
Fluorene	500.10	ND	U	385		77.0	45 - 120
Phenanthrene	500.10	25.1		482		91.4	49 - 120
Anthracene	500.10	8.0	J	425		83.3	45 - 120
Fluoranthene	500.10	49.5		603		111	53 - 145
Pyrene	500.10	46.3		558		102	52 - 134
Butylbenzylphthalate	500.10	ND	U	401		80.3	45 - 132
Benzo(a)anthracene	500.10	25.6		453		85.6	49 - 120
Chrysene	500.10	27.9		495		93.5	47 - 120
bis(2-Ethylhexyl)phthalate	500.10	20.7	J	392		74.3	34 - 130
Benzofluoranthenes, Total	1000.2	41.8		945		90.3	30 - 160
Benzo(a)pyrene	500.10	21.4		428		81.2	42 - 120
Indeno(1,2,3-cd)pyrene	500.10	ND	U	372		74.5	42 - 163
Dibenzo(a,h)anthracene	500.10	ND	U	340		67.9	30 - 133
Benzo(g,h,i)perylene	500.10	16.0	J	450		86.8	46 - 148

* Values outside of QC limits

MS / MS DUPLICATE RECOVERY
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Matrix:	Solid	Analyzed:	08/11/23 21:35
Batch:	BLH0180	Laboratory ID:	BLH0180-MSD1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	Matrix Spike Dup
Initial/Final:	12.63 g / 1 mL	Source Sample:	LDW23-SS1068

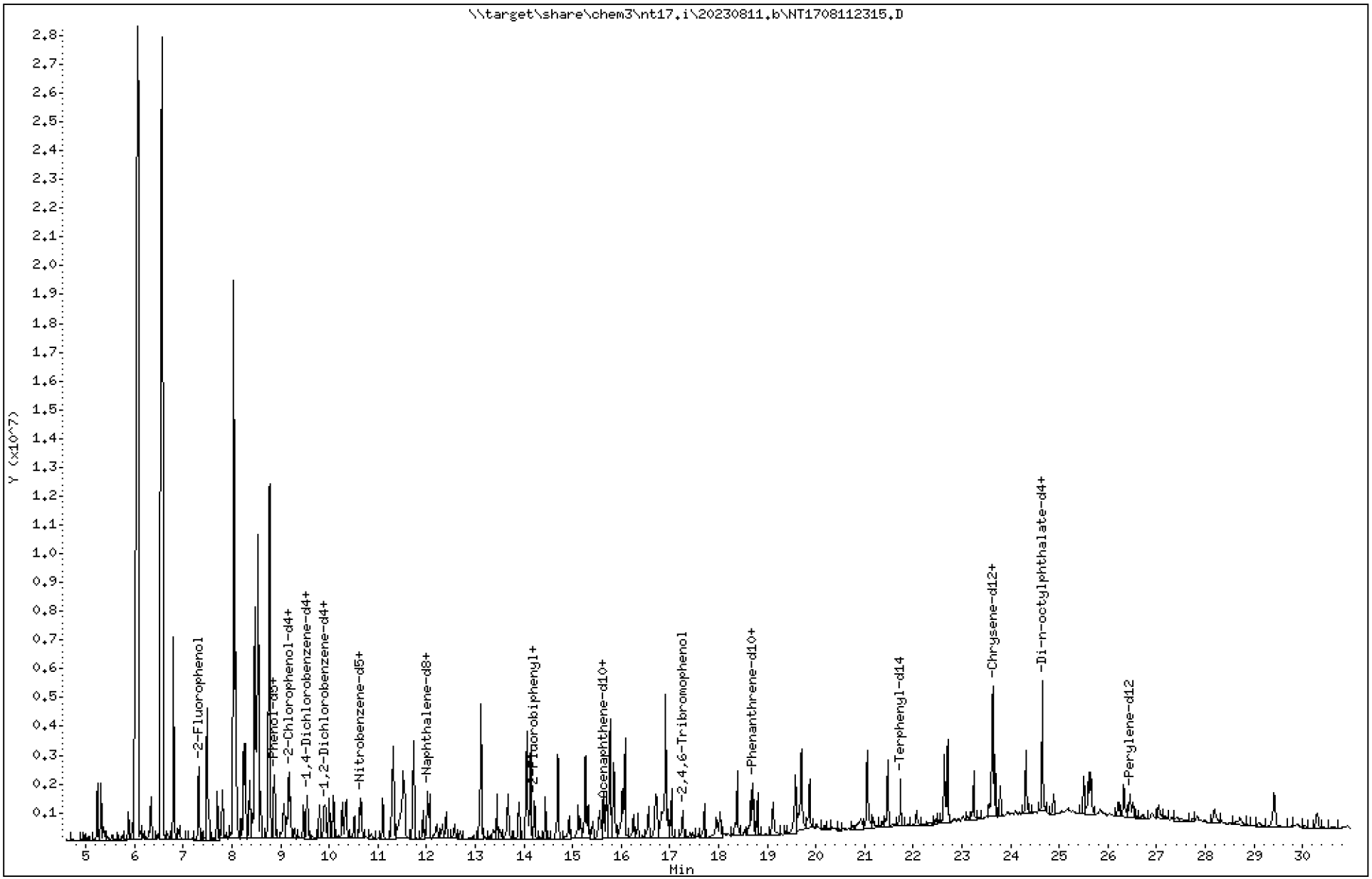
COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	Q	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	500.10	387		73.4	5.99	30	34 - 120
4-Methylphenol	500.10	340		67.9	9.20	30	29 - 120
Naphthalene	500.10	383		76.6	8.79	30	43 - 120
2-Methylnaphthalene	500.10	356		71.2	5.58	30	43 - 120
Acenaphthylene	500.10	394		78.9	6.42	30	42 - 120
Dimethylphthalate	500.10	422		84.4	6.33	30	43 - 120
Acenaphthene	500.10	406		81.3	6.25	30	45 - 120
Dibenzofuran	500.10	387		77.4	5.65	30	43 - 120
Fluorene	500.10	404		80.7	4.65	30	45 - 120
Phenanthrene	500.10	426		80.2	12.3	30	49 - 120
Anthracene	500.10	437		85.7	2.79	30	45 - 120
Fluoranthene	500.10	479		85.9	22.9	30	53 - 145
Pyrene	500.10	460		82.7	19.3	30	52 - 134
Butylbenzylphthalate	500.10	426		85.1	5.89	30	45 - 132
Benzo(a)anthracene	500.10	396		74.1	13.4	30	49 - 120
Chrysene	500.10	429		80.2	14.3	30	47 - 120
bis(2-Ethylhexyl)phthalate	500.10	434		82.6	10.0	30	34 - 130
Benzofluoranthenes, Total	1000.2	879		83.7	7.25	30	30 - 160
Benzo(a)pyrene	500.10	392		74.2	8.60	30	42 - 120
Indeno(1,2,3-cd)pyrene	500.10	367		73.4	1.45	30	42 - 163
Dibenzo(a,h)anthracene	500.10	352		70.3	3.44	30	30 - 133
Benzo(g,h,i)perylene	500.10	430		82.7	4.57	30	46 - 148

* Values outside of QC limits

Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D
Date : 11-AUG-2023 20:57
Client ID:
Sample Info: BLH0180-MS1

Instrument: nt17.i
Operator: JGR
Column diameter: 0.25

Column phase: ZB-5msi



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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

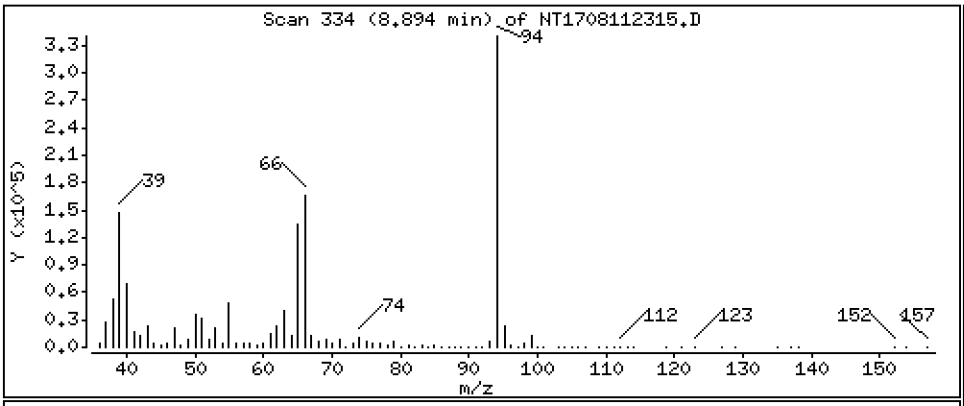
Operator: JGR

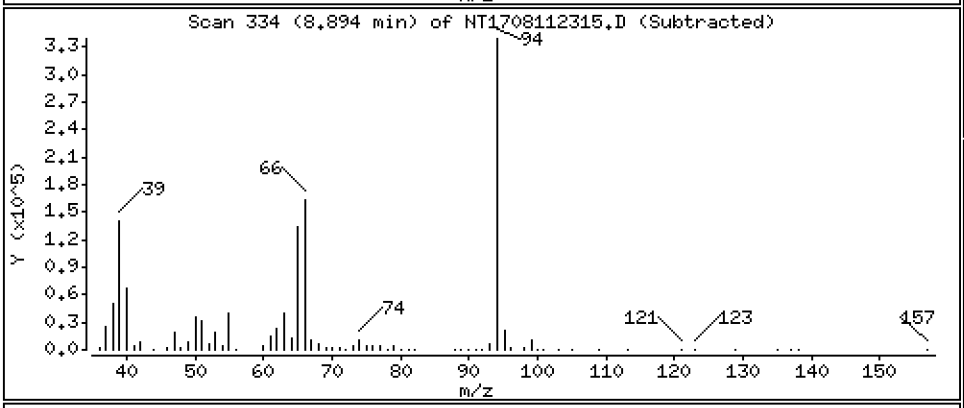
Column phase: ZB-5msi

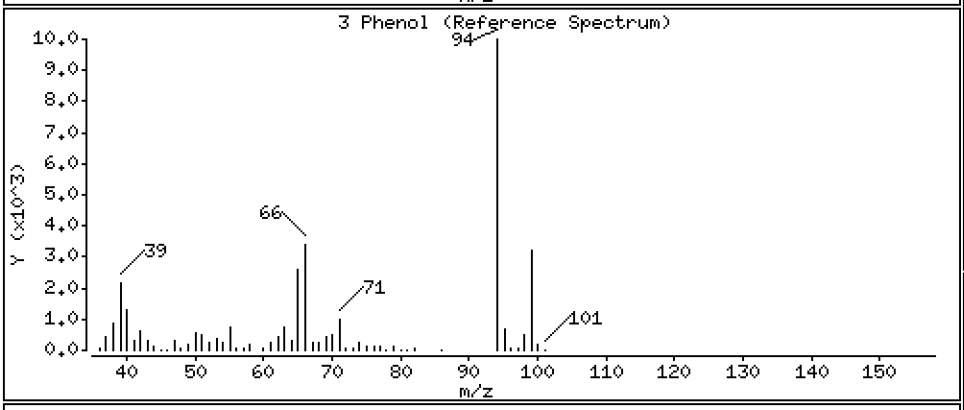
Column diameter: 0.25

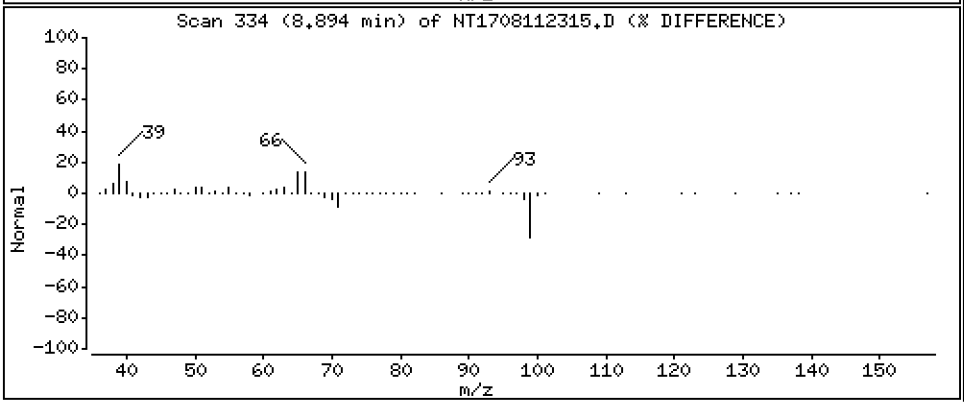
3 Phenol

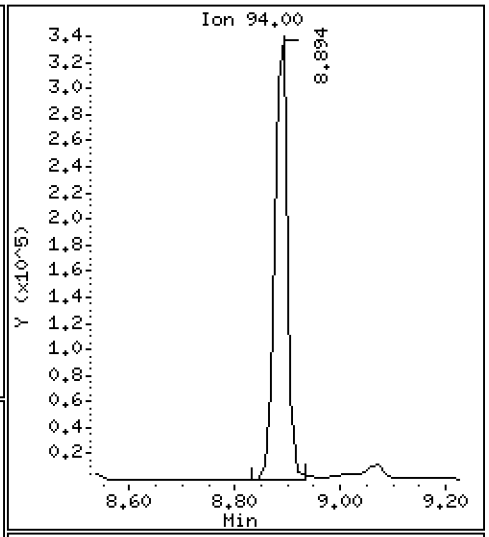
Concentration: 3.646 ug/mL

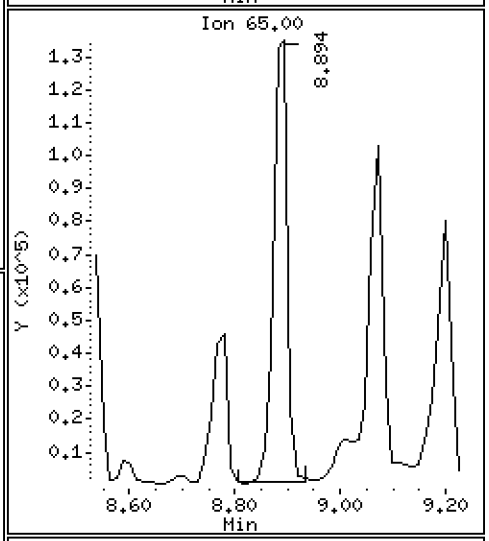


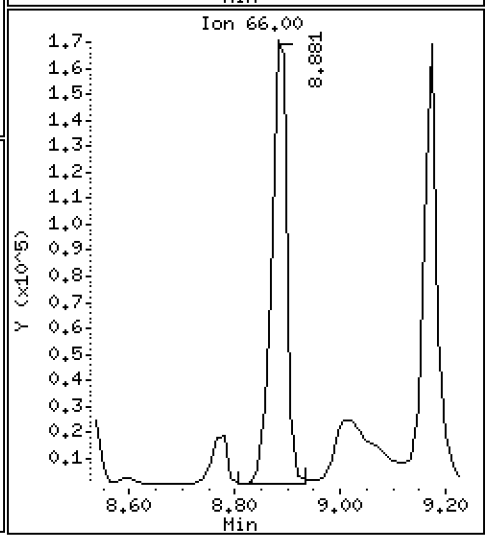












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

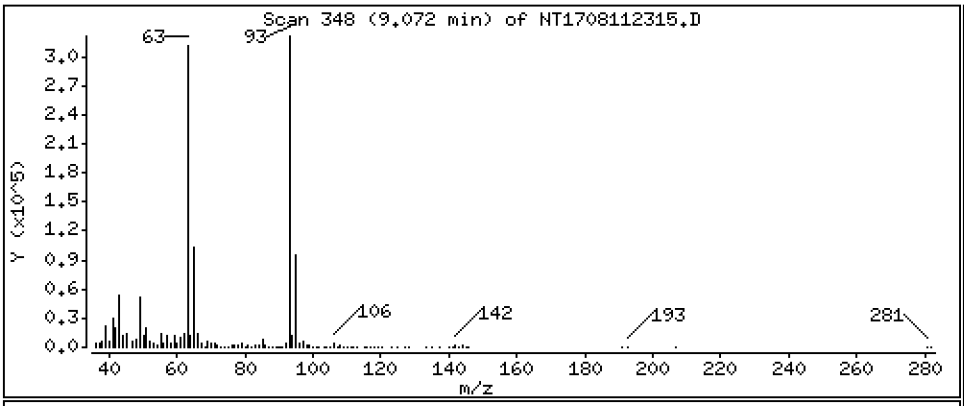
Operator: JGR

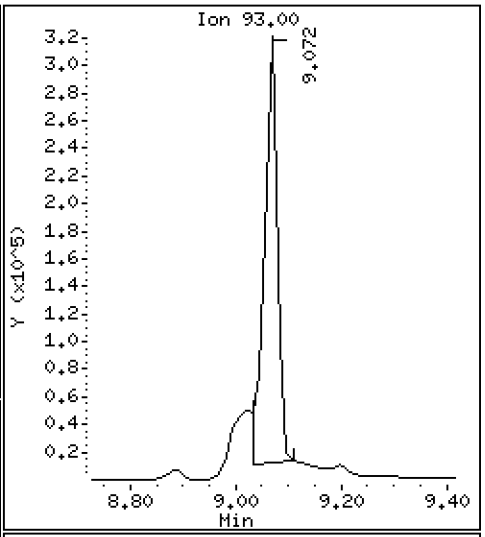
Column phase: ZB-5msi

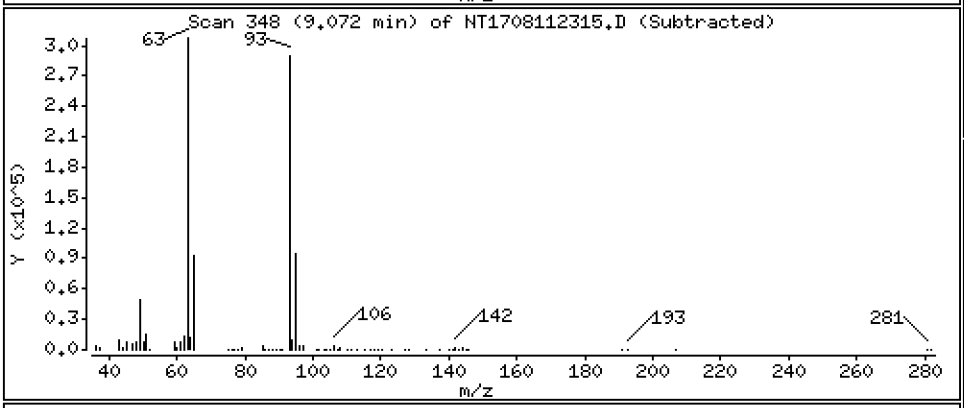
Column diameter: 0.25

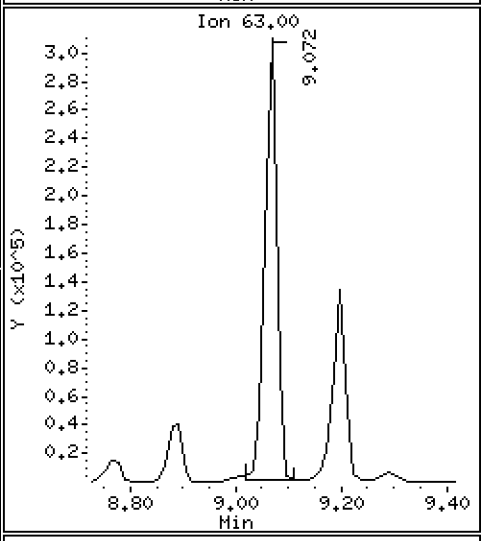
4 Bis(2-Chloroethyl)ether

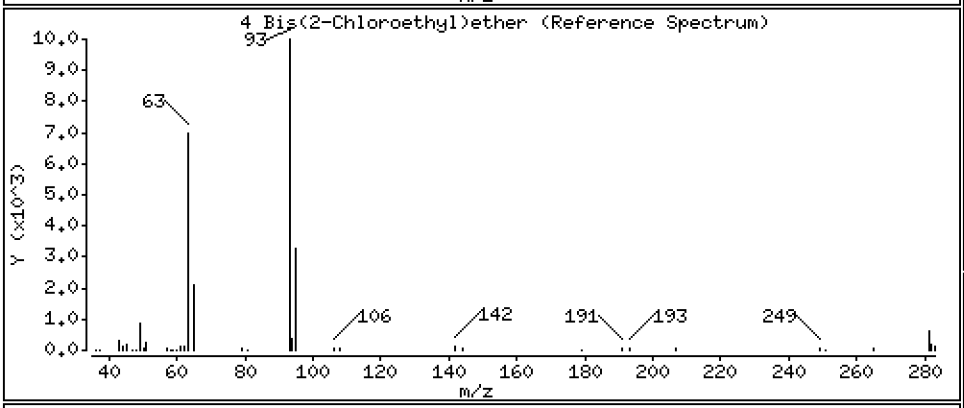
Concentration: 3.952 ug/mL

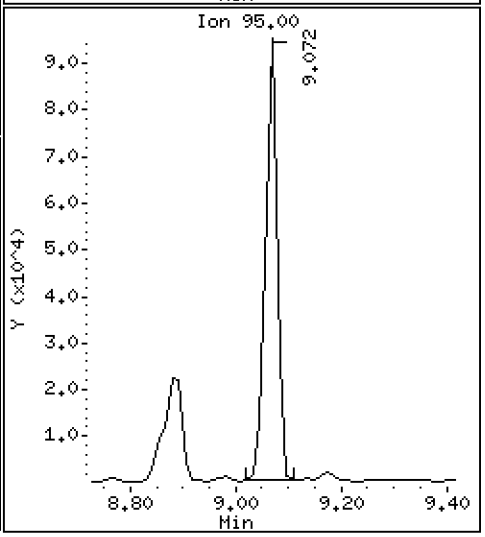


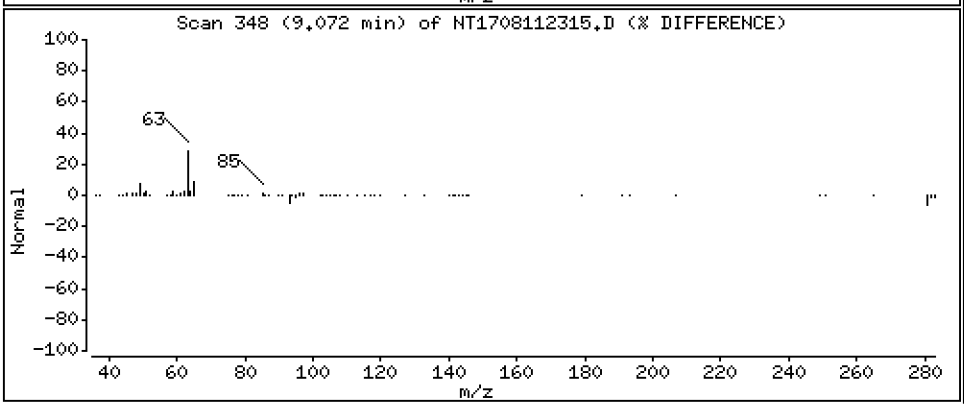












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

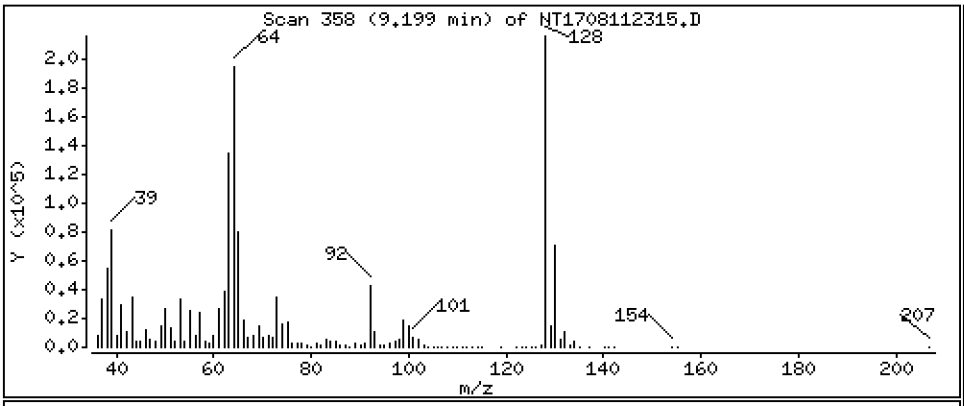
Operator: JGR

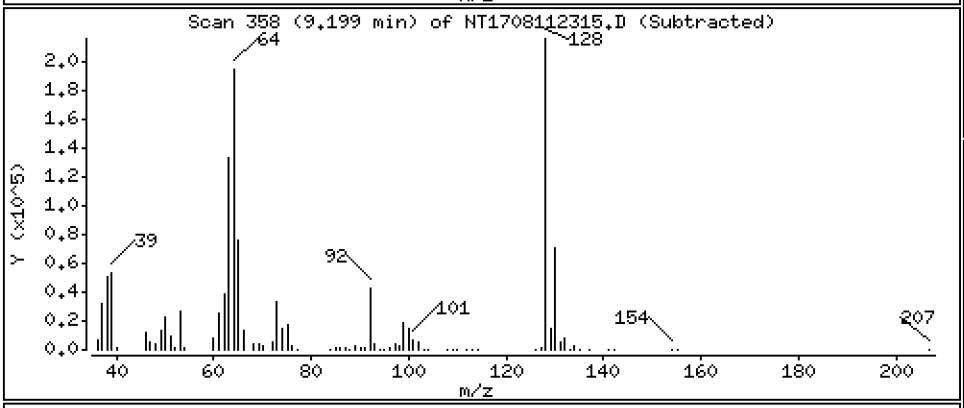
Column phase: ZB-5msi

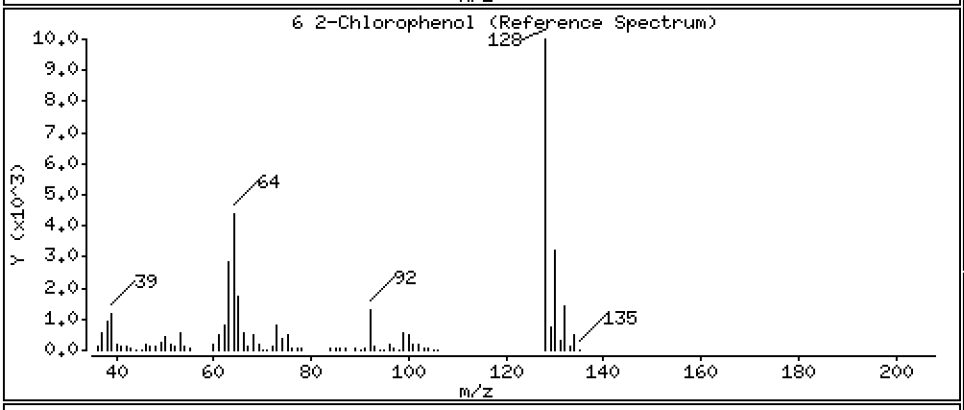
Column diameter: 0.25

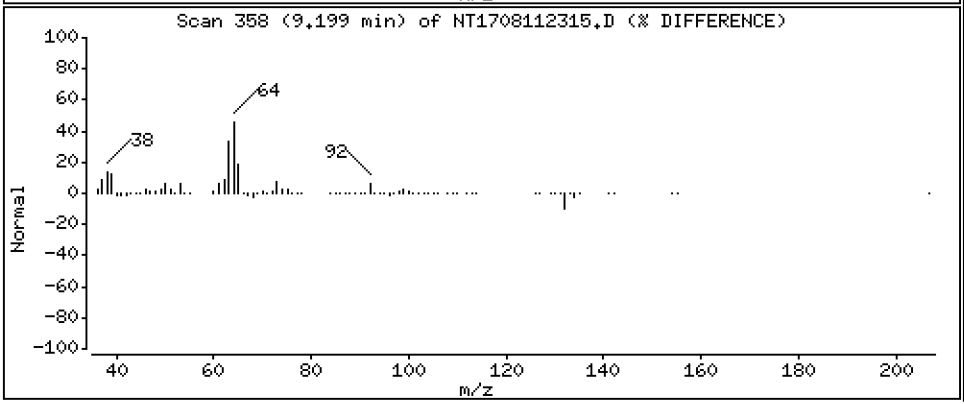
6 2-Chlorophenol

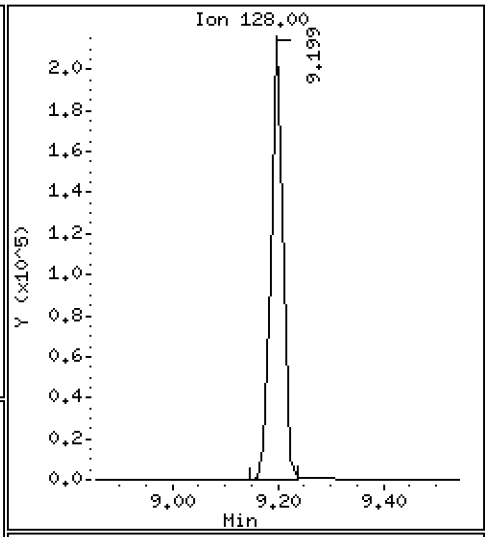
Concentration: 3.402 ug/mL

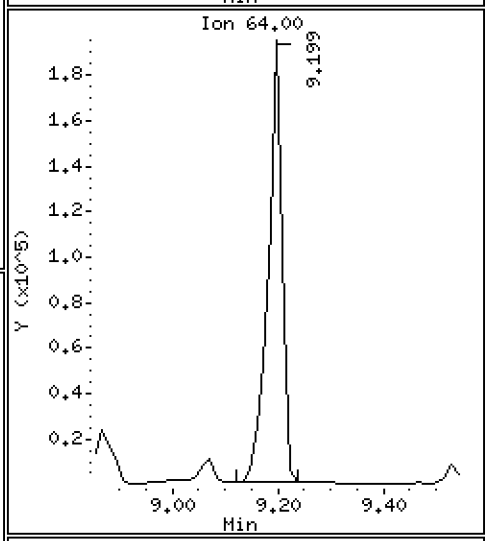


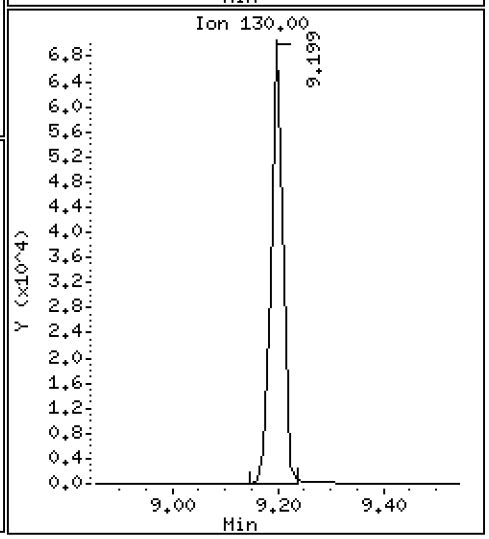












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

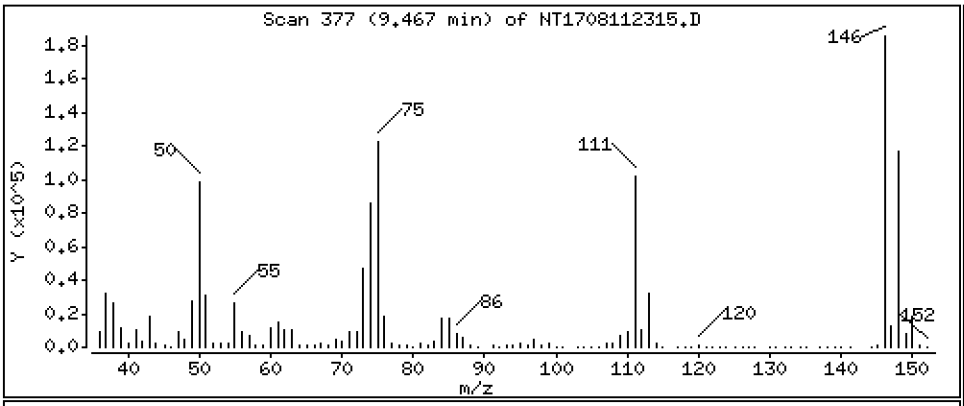
Operator: JGR

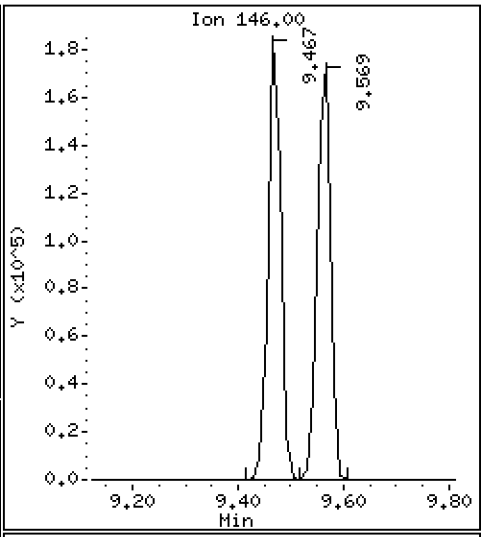
Column phase: ZB-5msi

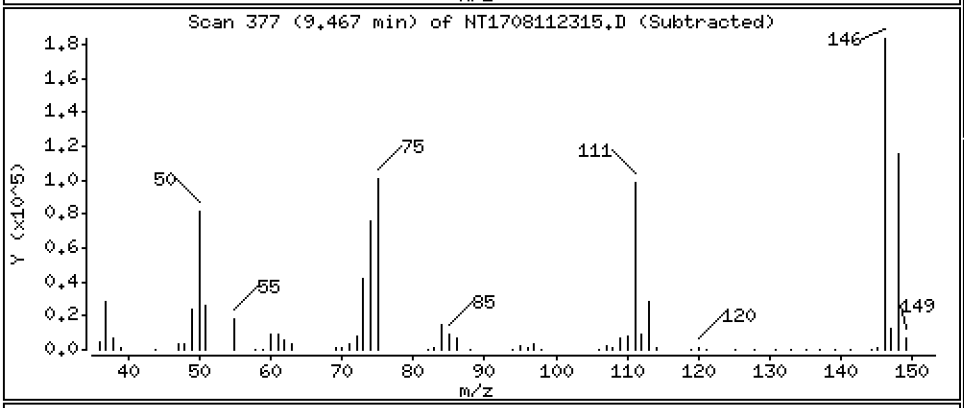
Column diameter: 0.25

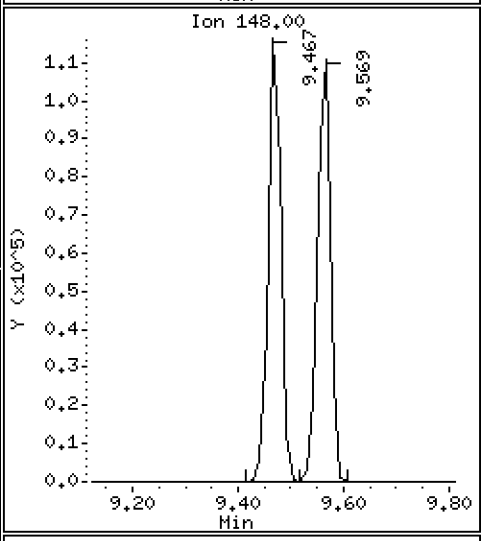
7 1,3-Dichlorobenzene

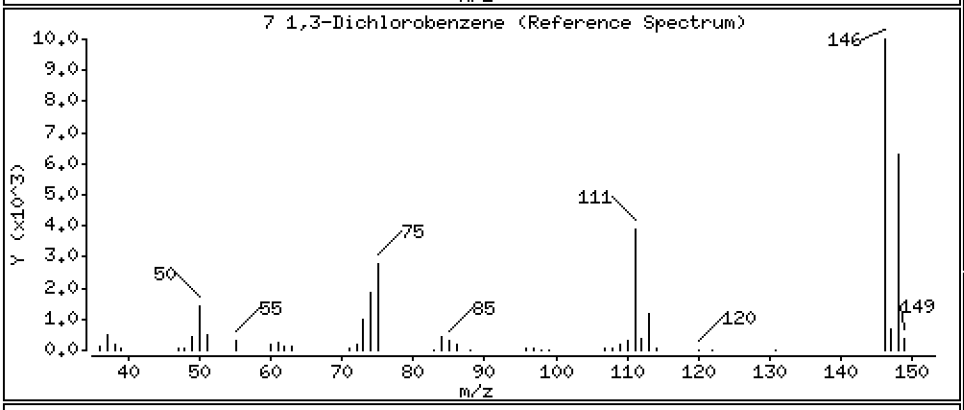
Concentration: 2.957 ug/mL

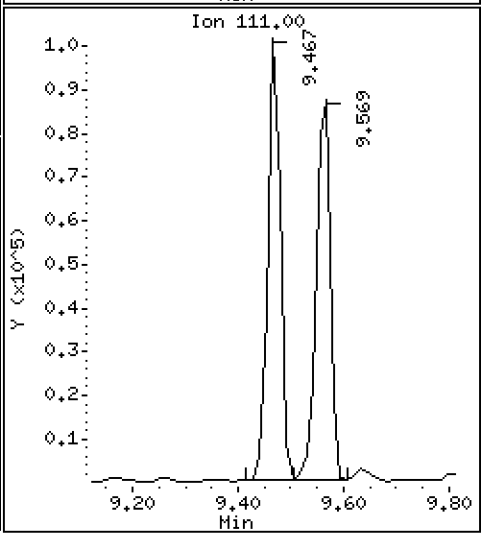


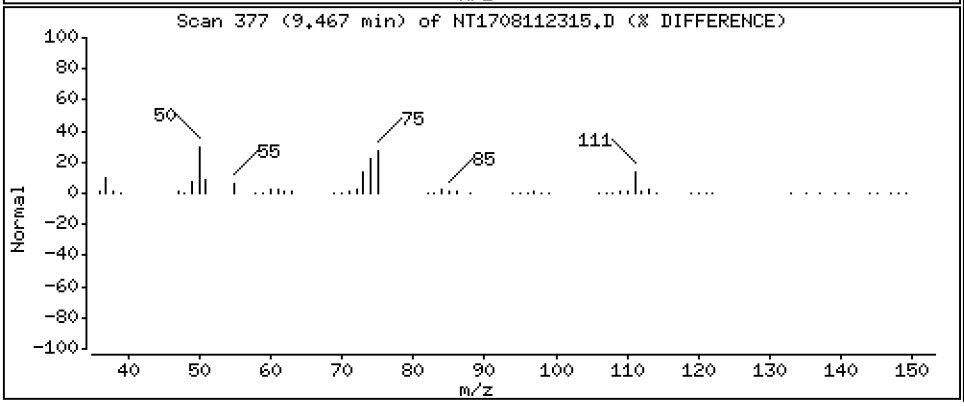












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

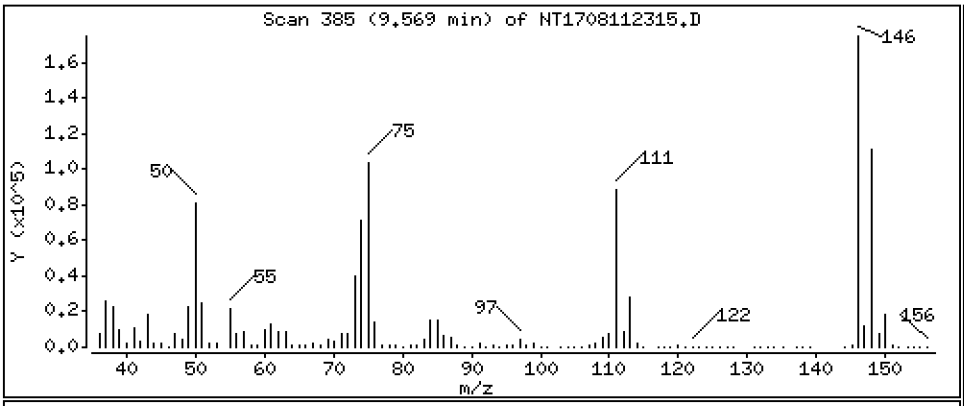
Operator: JGR

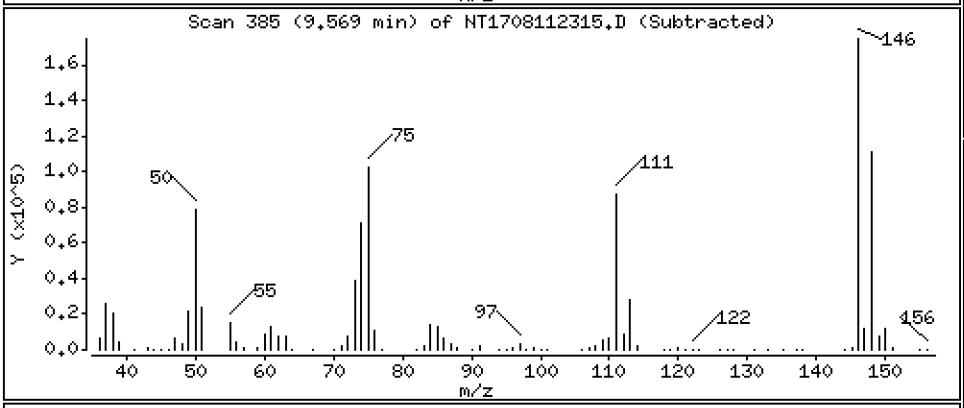
Column phase: ZB-5msi

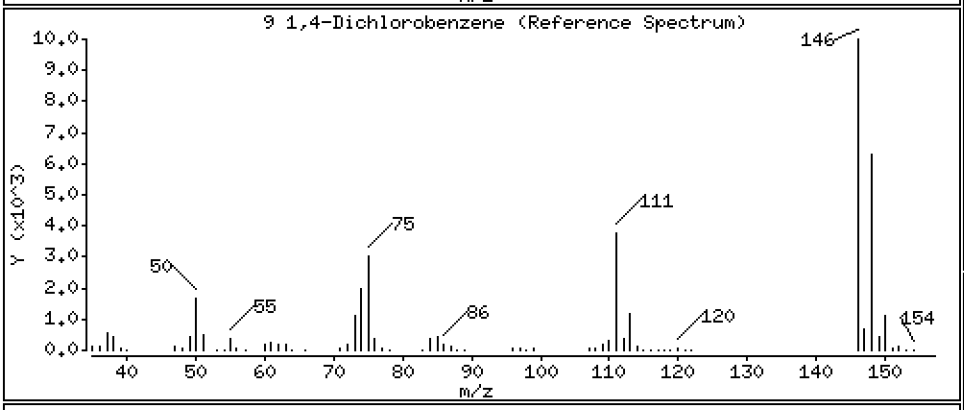
Column diameter: 0.25

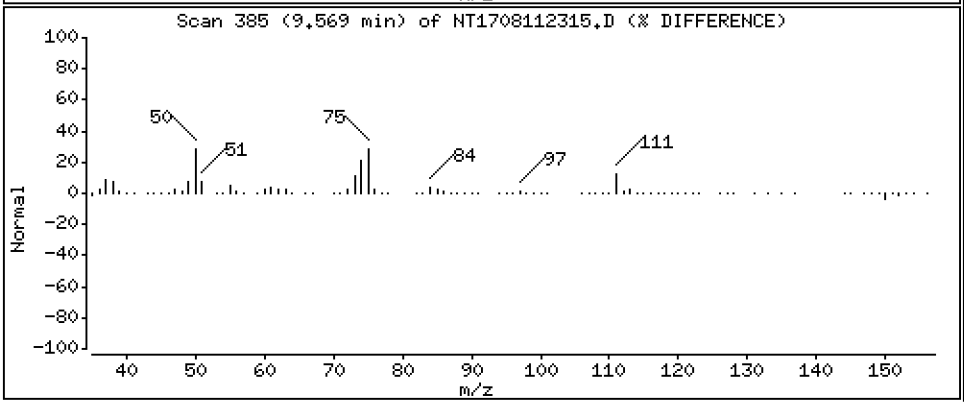
9 1,4-Dichlorobenzene

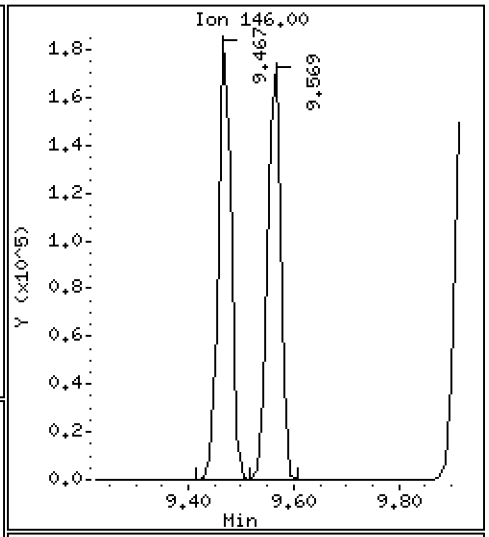
Concentration: 3.012 ug/mL

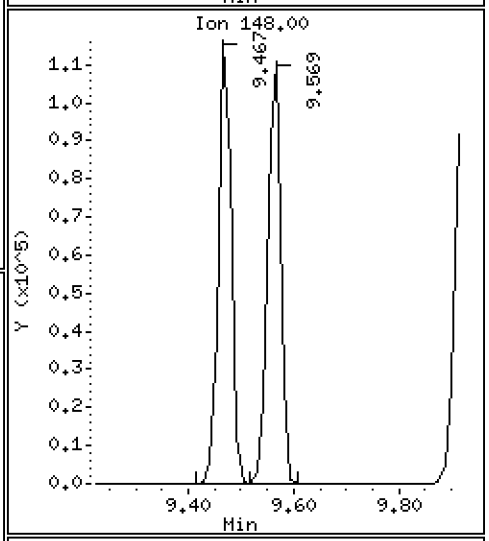


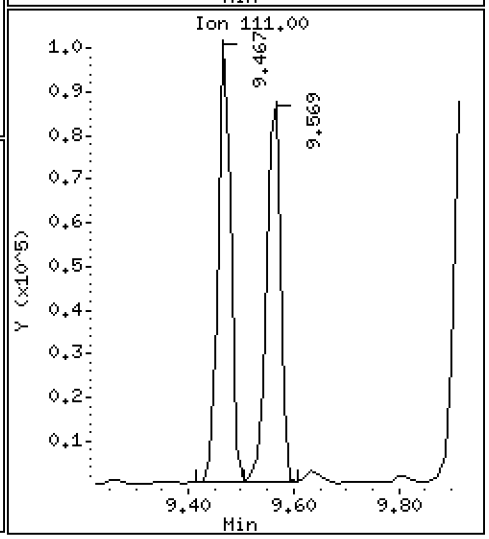












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

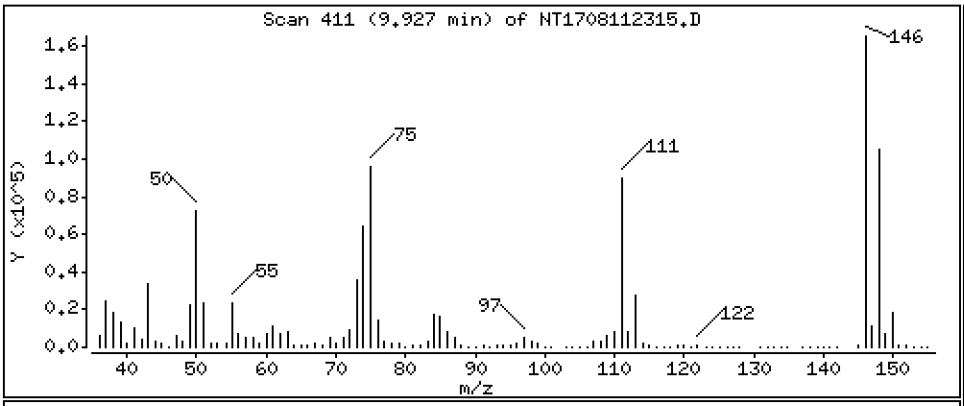
Operator: JGR

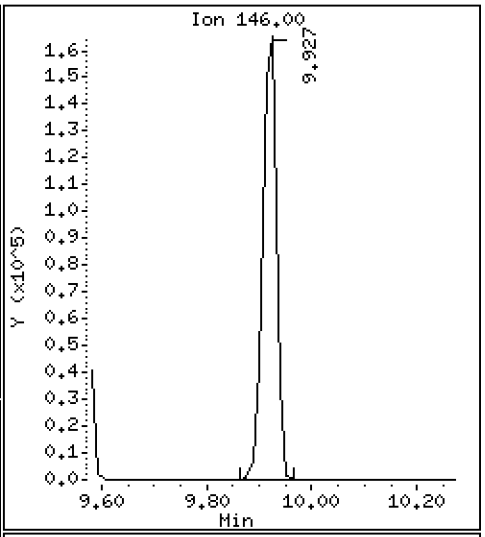
Column phase: ZB-5msi

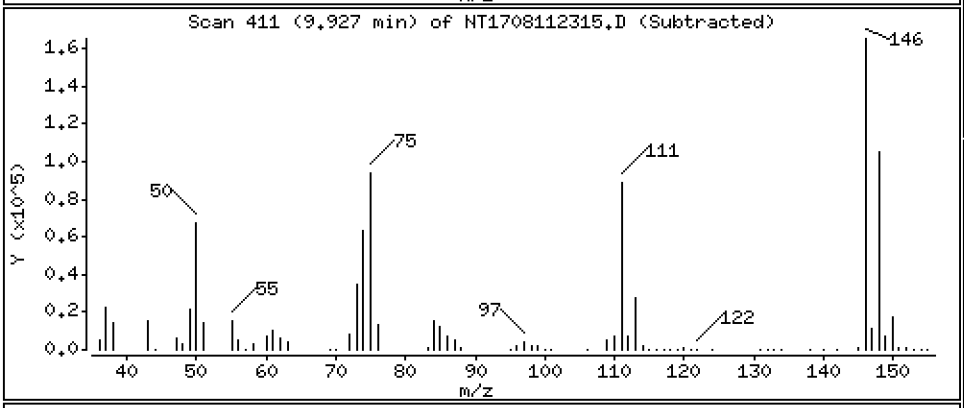
Column diameter: 0.25

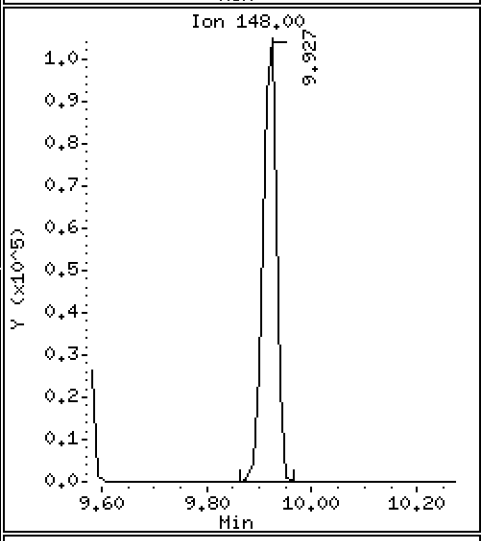
12 1,2-Dichlorobenzene

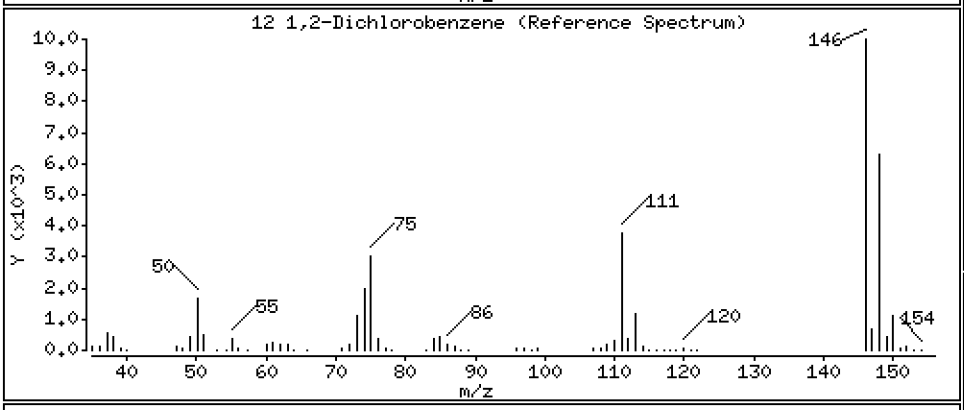
Concentration: 3.071 ug/mL

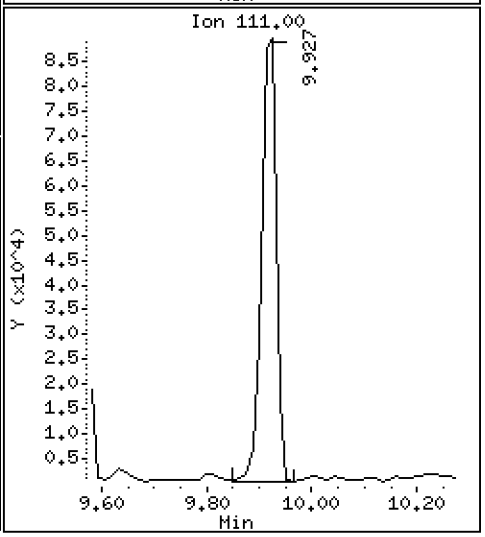


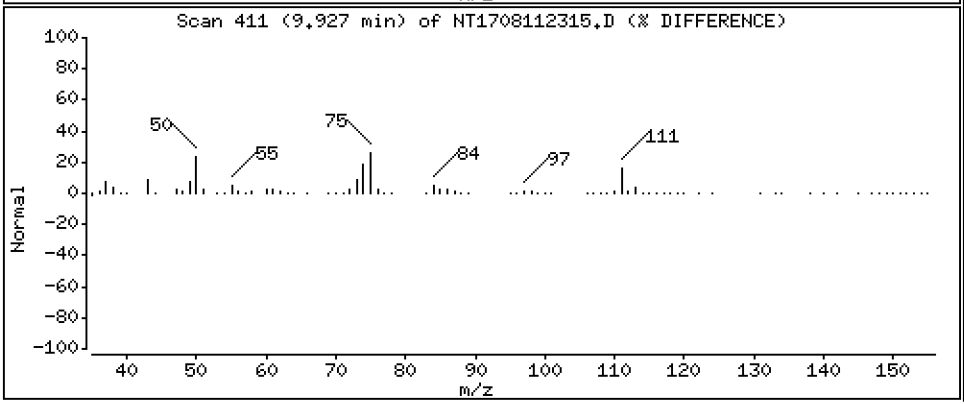












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

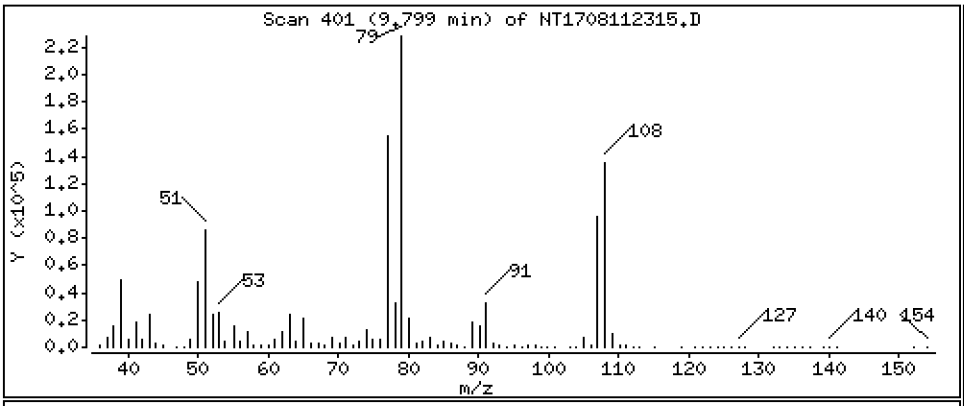
Operator: JGR

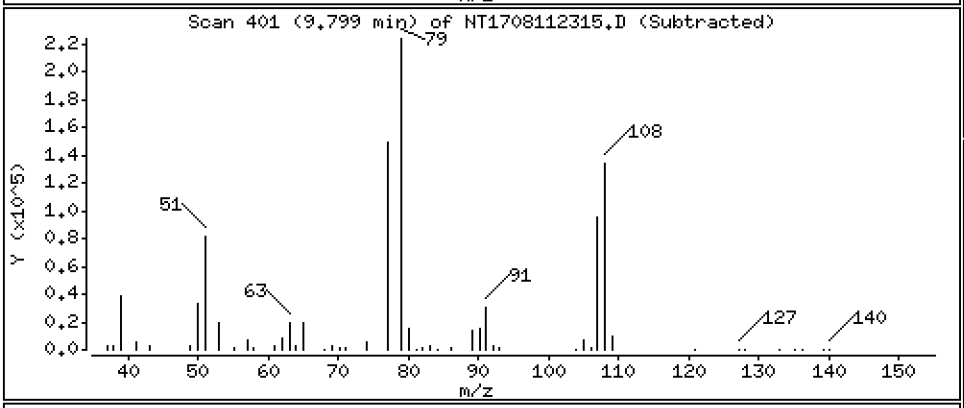
Column phase: ZB-5msi

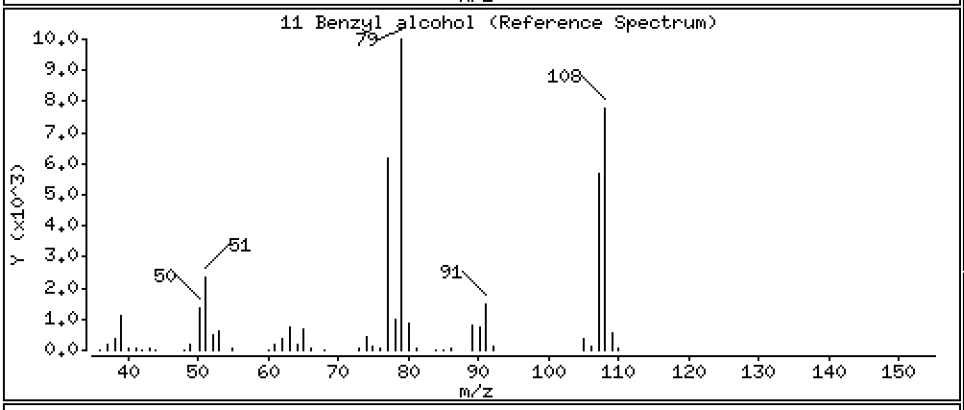
Column diameter: 0.25

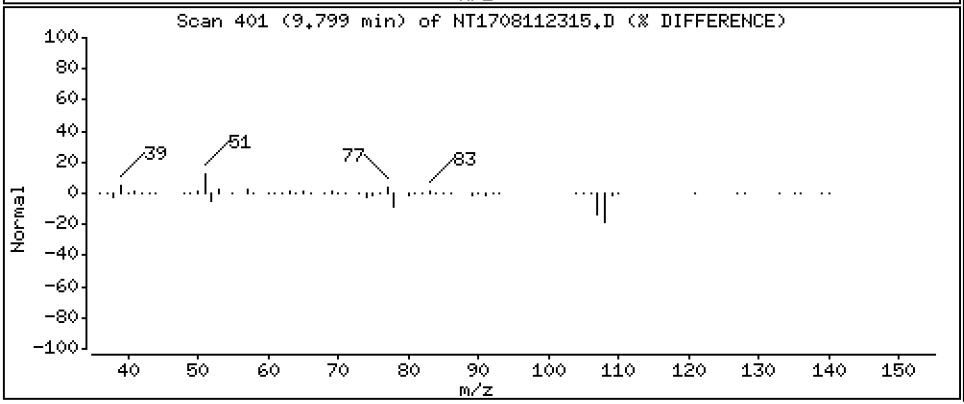
11 Benzyl alcohol

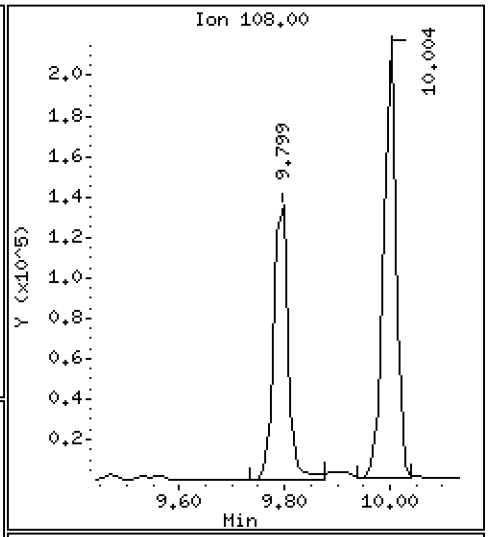
Concentration: 3.526 ug/mL

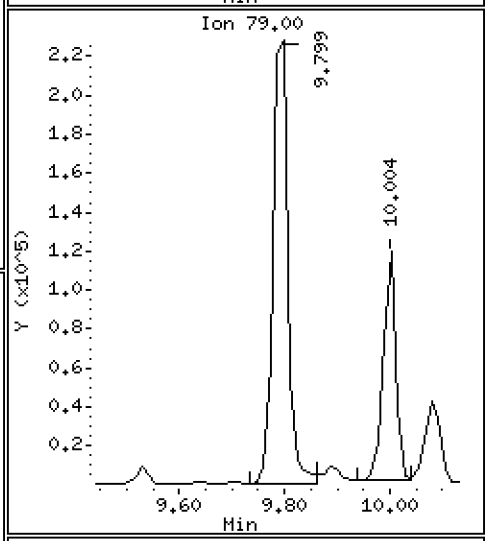


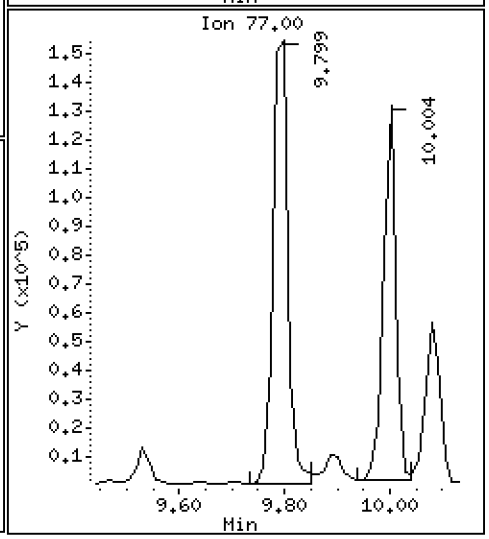












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

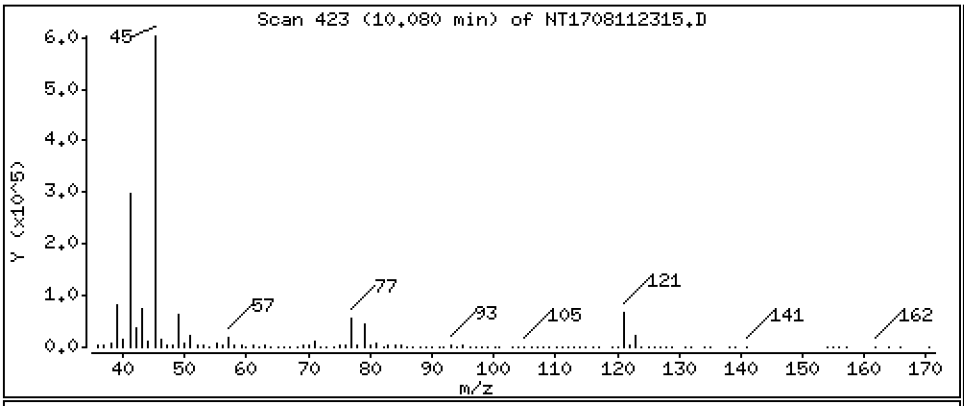
Operator: JGR

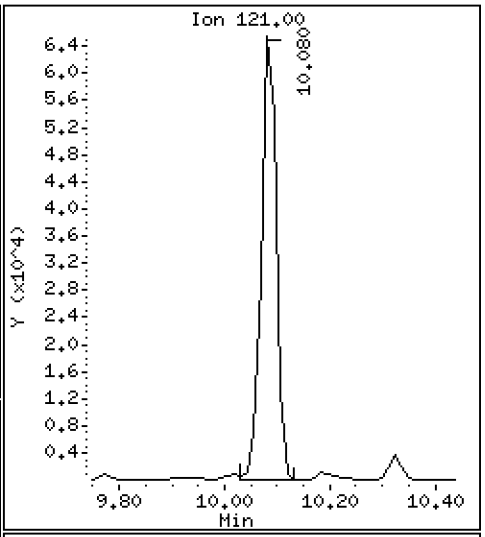
Column phase: ZB-5msi

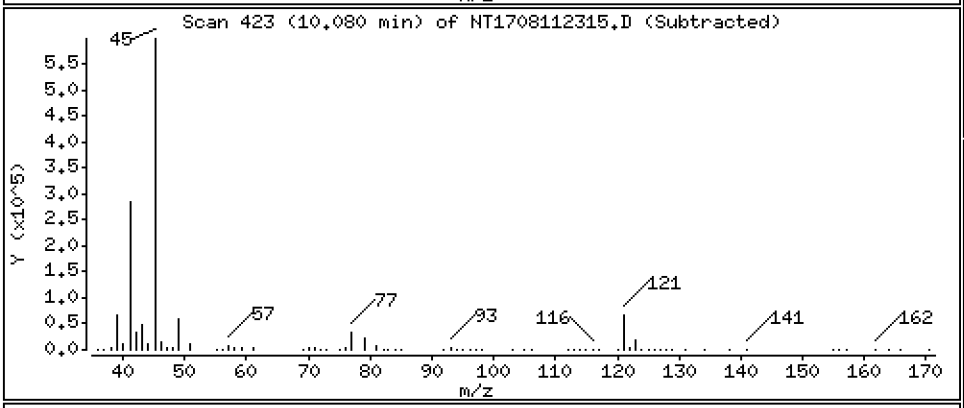
Column diameter: 0.25

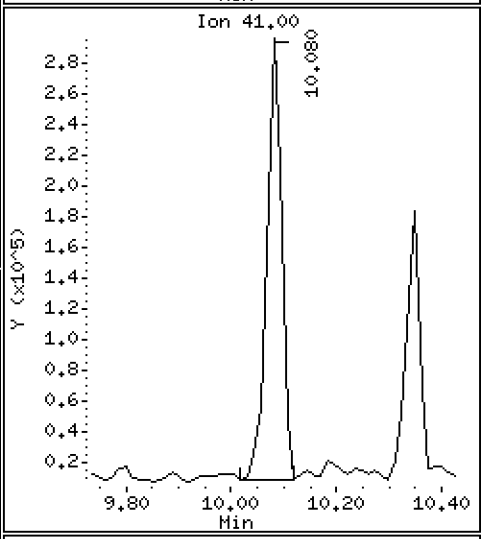
14 2,2'-oxybis(1-Chloropropane)

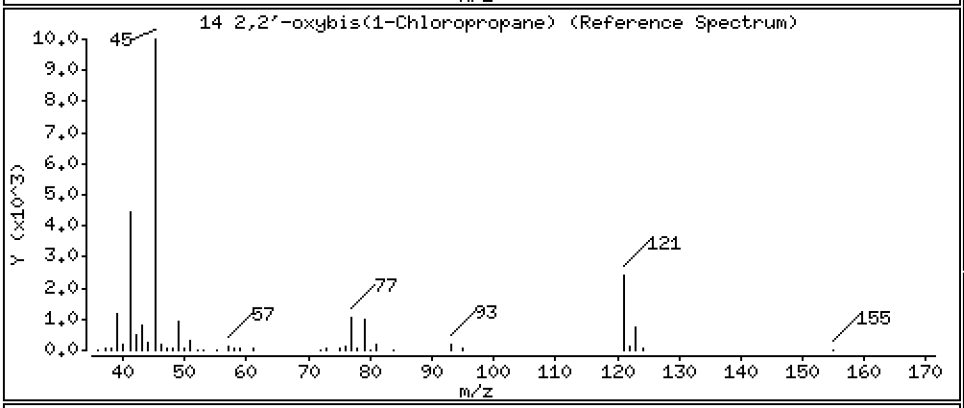
Concentration: 3.911 ug/mL

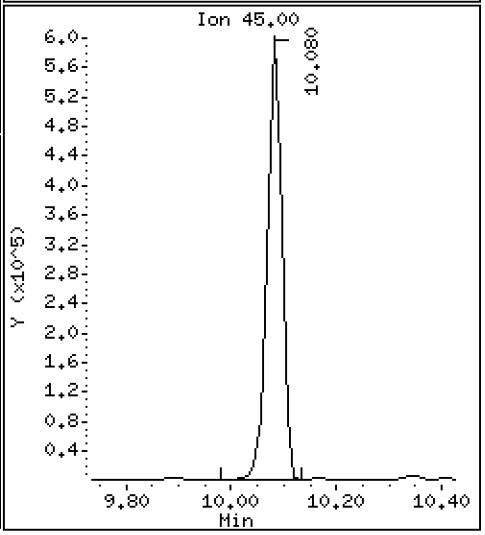


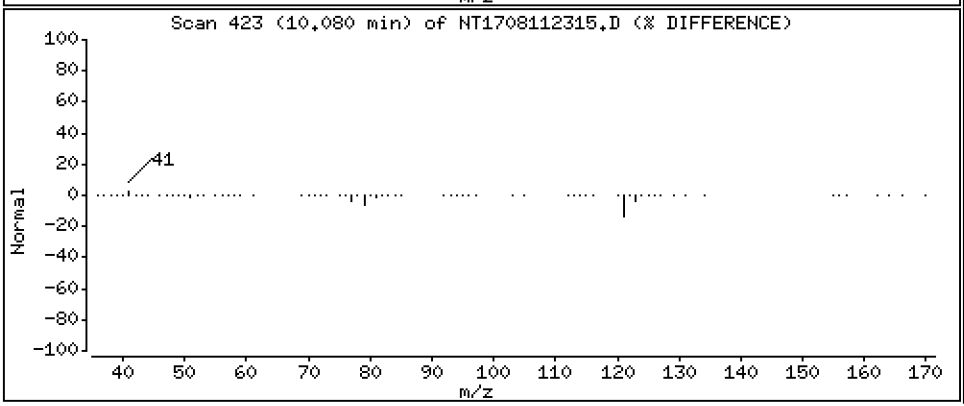












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

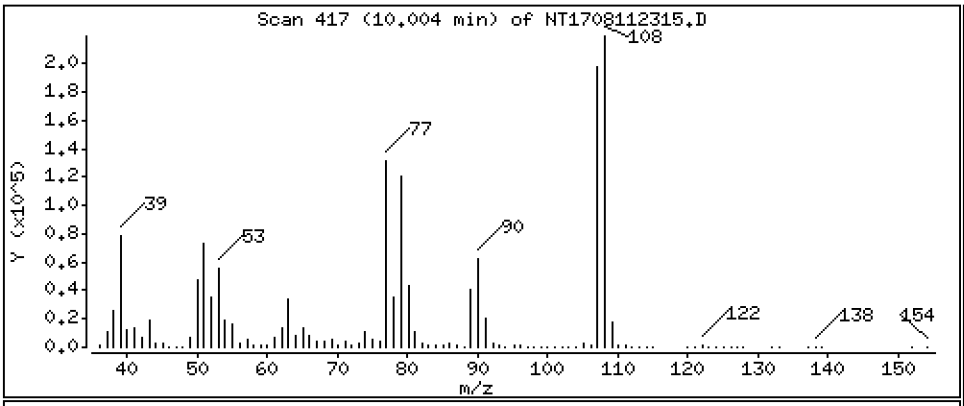
Operator: JGR

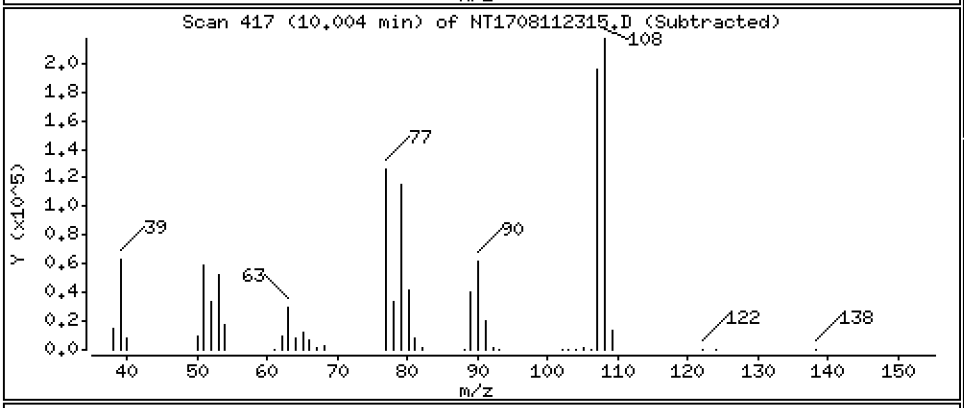
Column phase: ZB-5msi

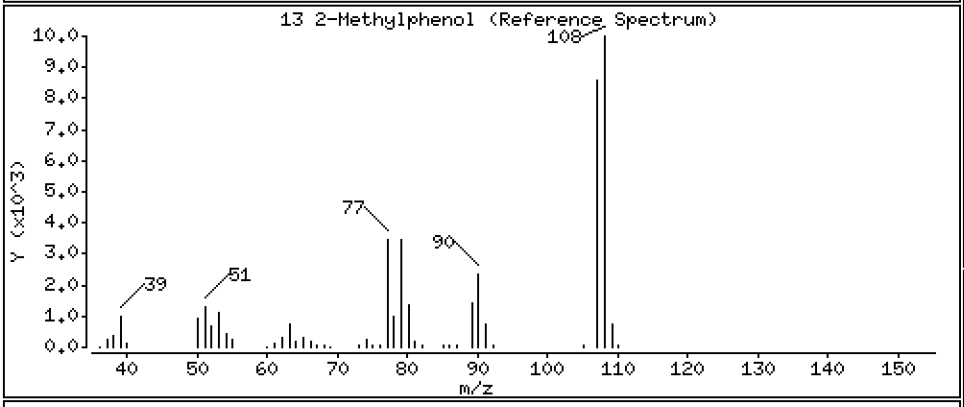
Column diameter: 0.25

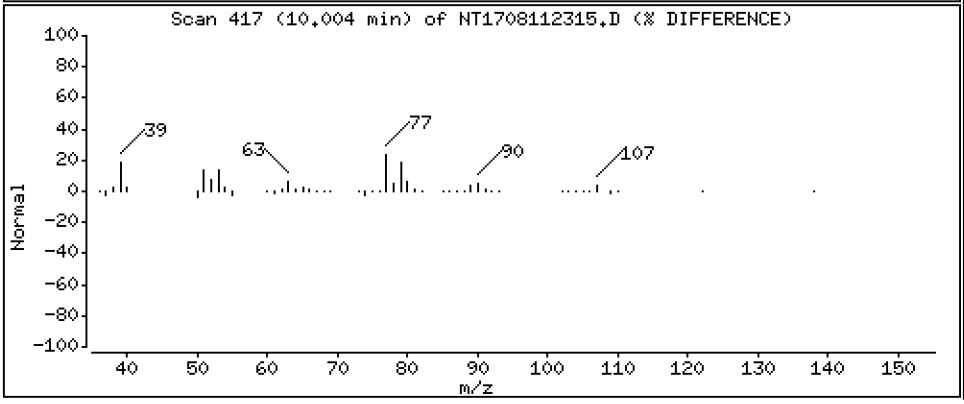
13 2-Methylphenol

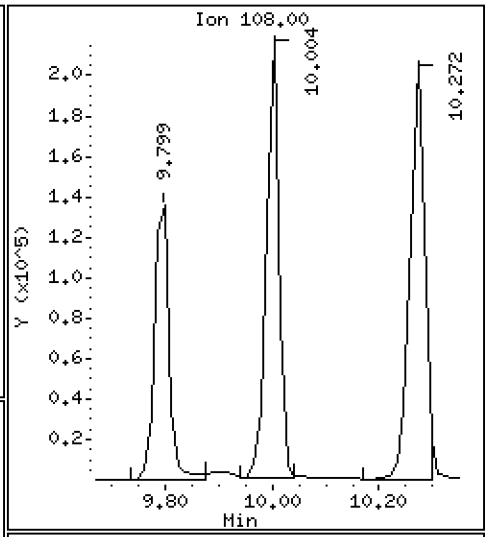
Concentration: 3.310 ug/mL

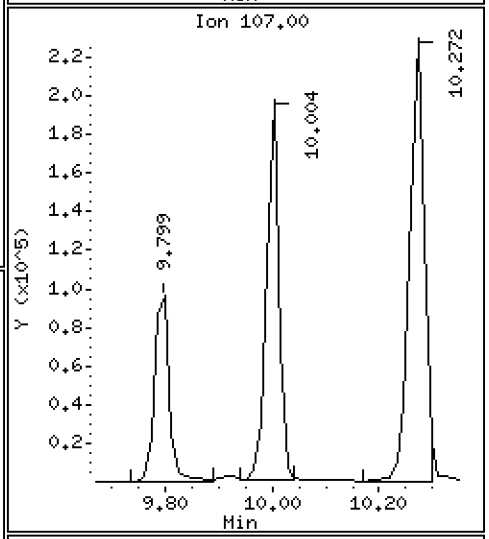


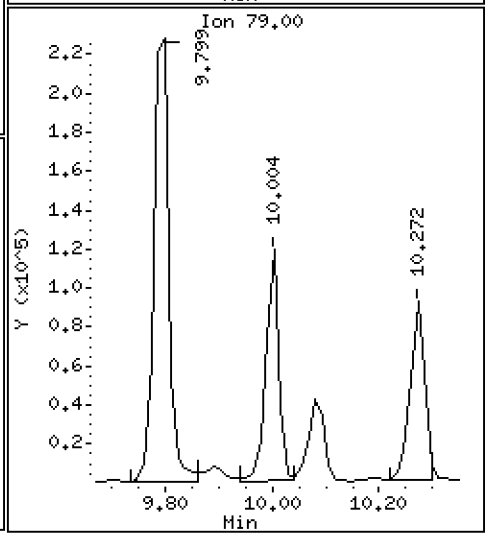












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

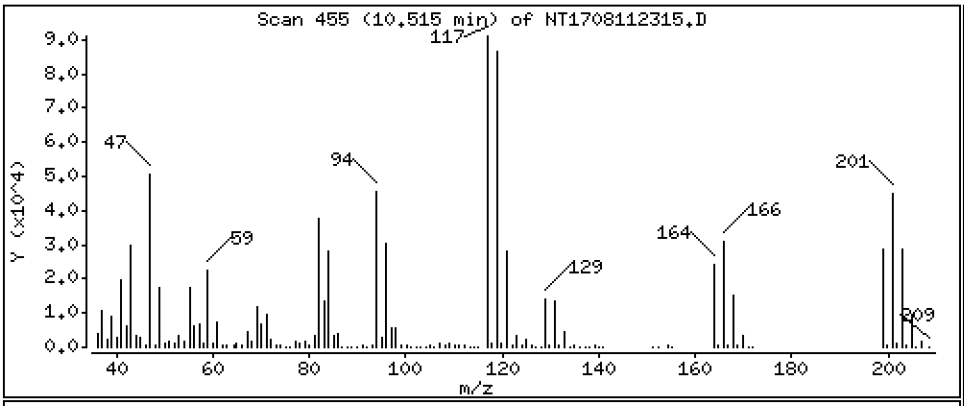
Operator: JGR

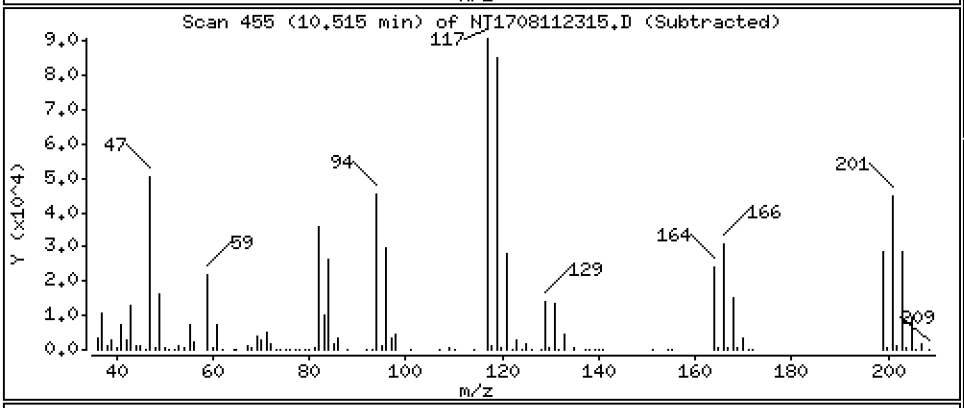
Column phase: ZB-5msi

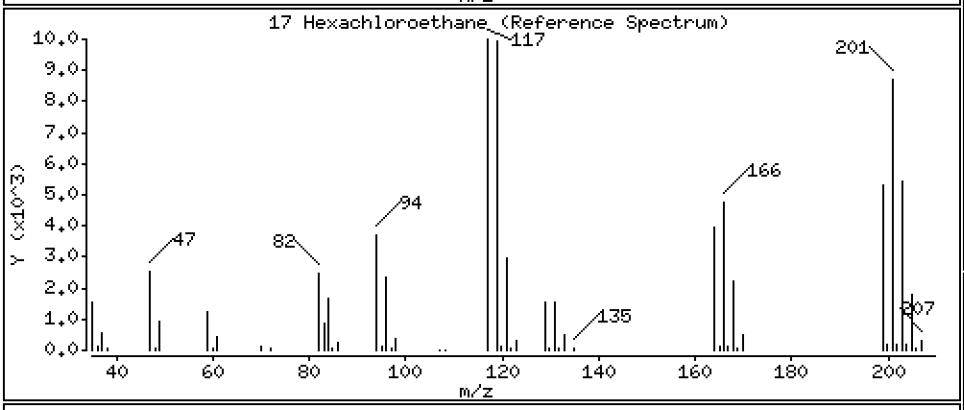
Column diameter: 0.25

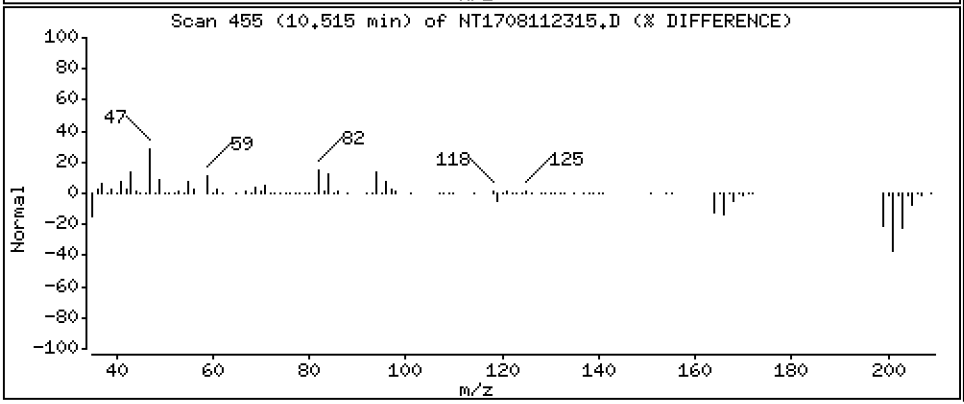
17 Hexachloroethane

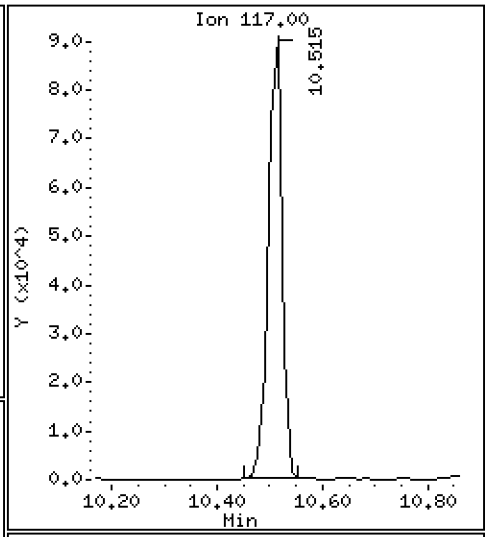
Concentration: 3.155 ug/mL

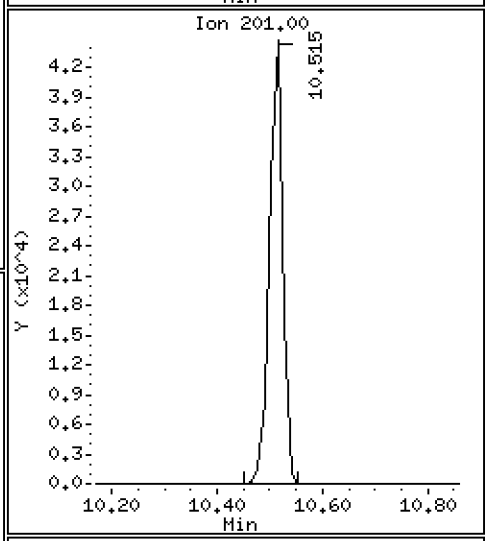


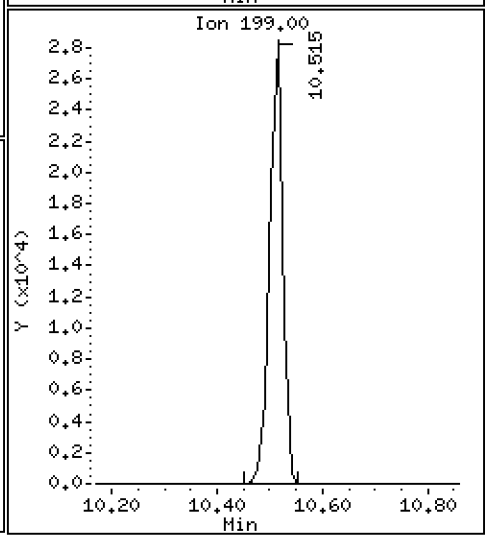












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

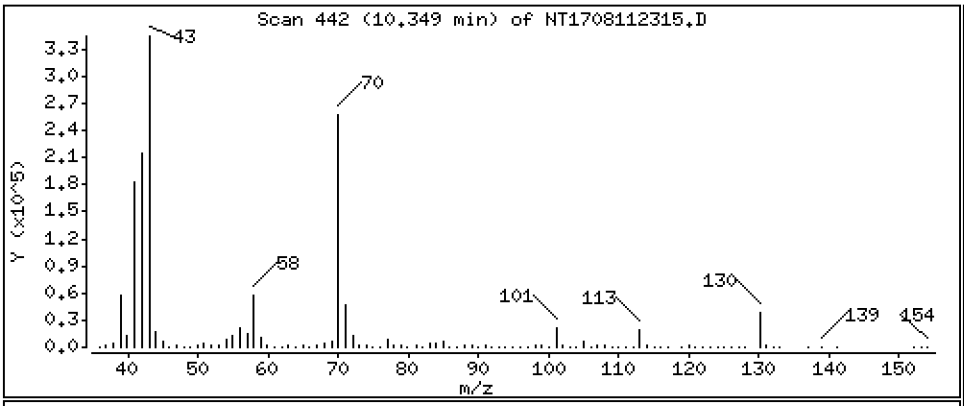
Operator: JGR

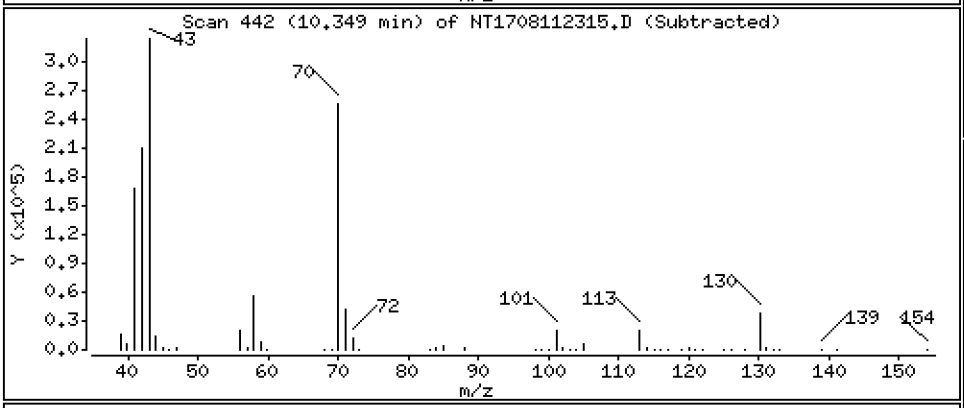
Column phase: ZB-5msi

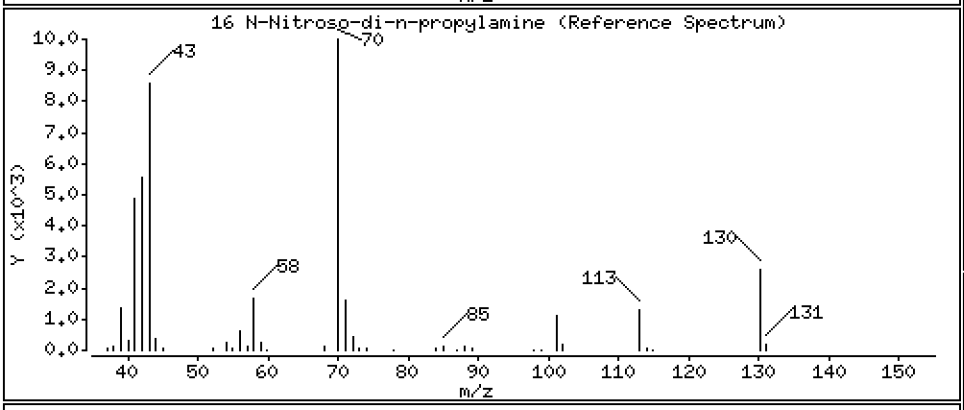
Column diameter: 0.25

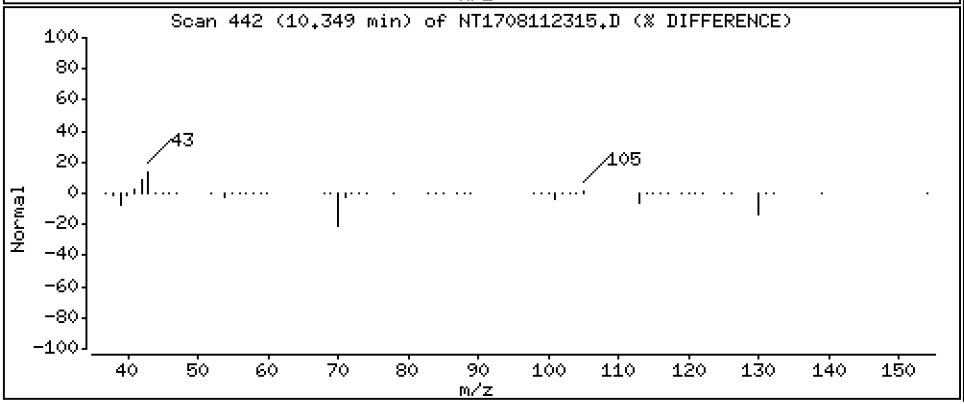
16 N-Nitroso-di-n-propylamine

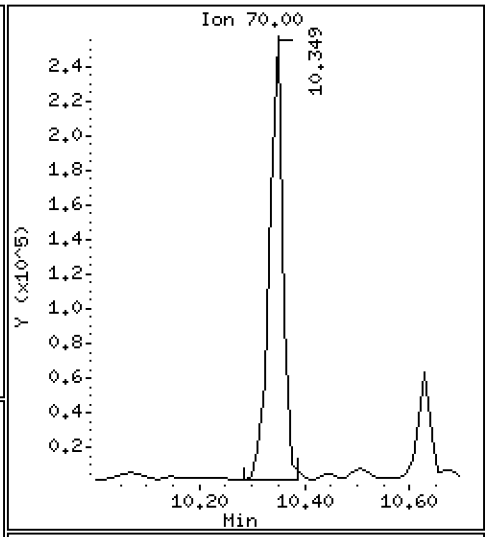
Concentration: 3.664 ug/mL

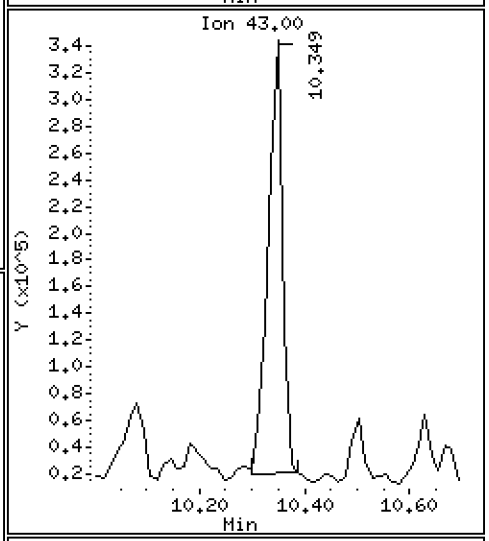


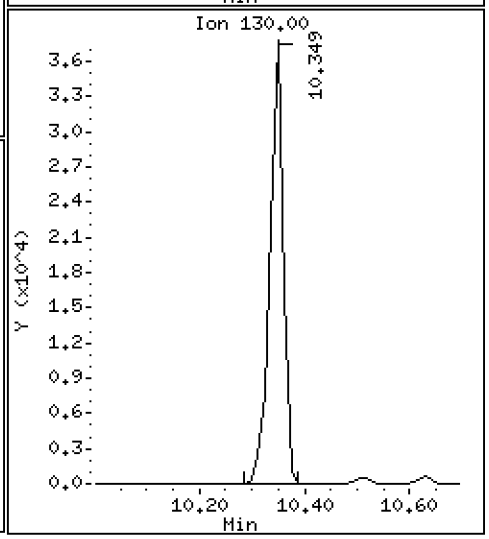












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

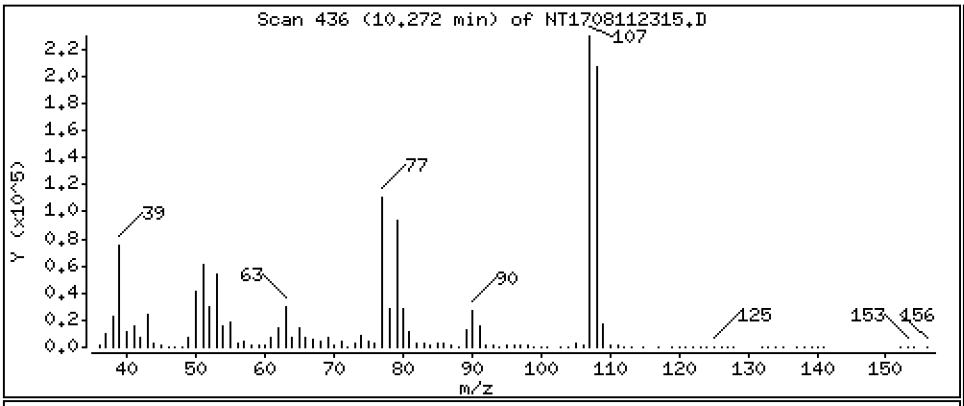
Operator: JGR

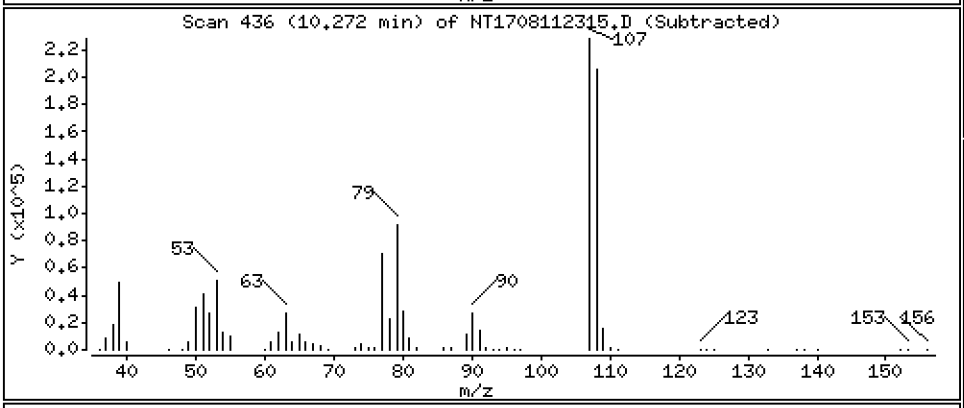
Column phase: ZB-5msi

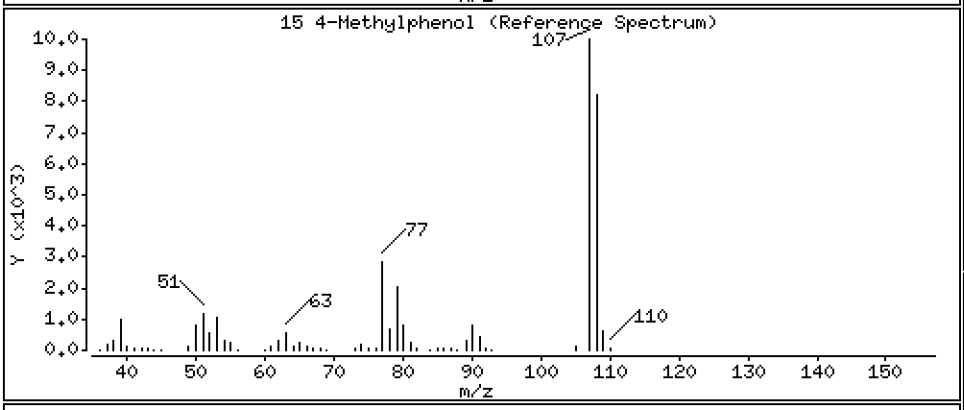
Column diameter: 0.25

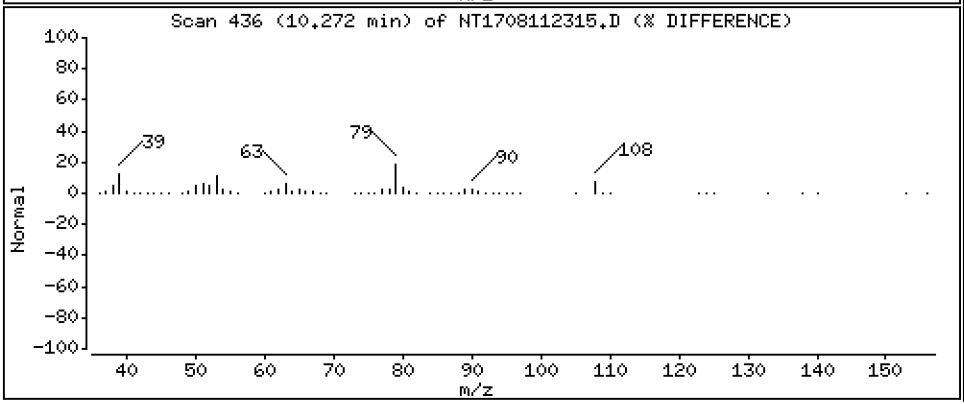
15 4-Methylphenol

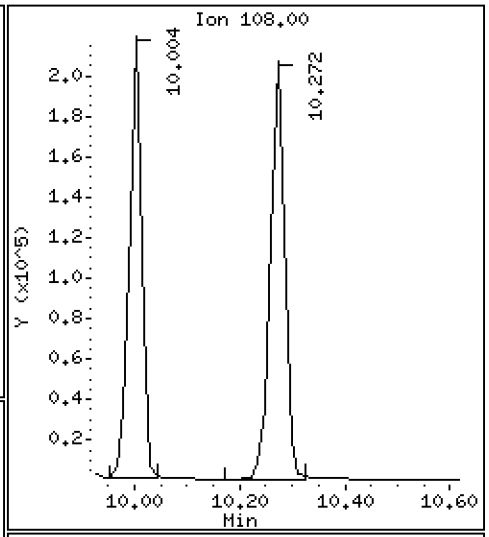
Concentration: 3.099 ug/mL

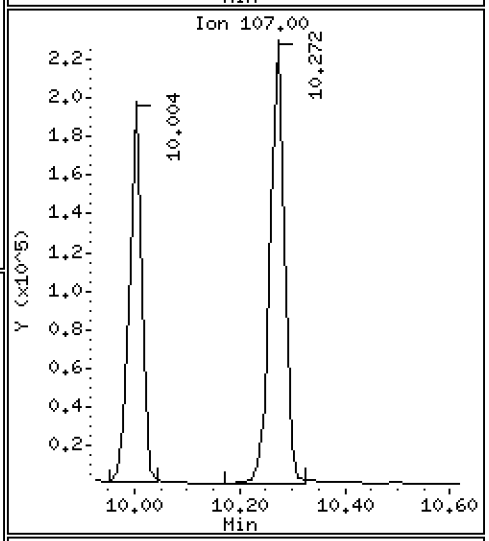


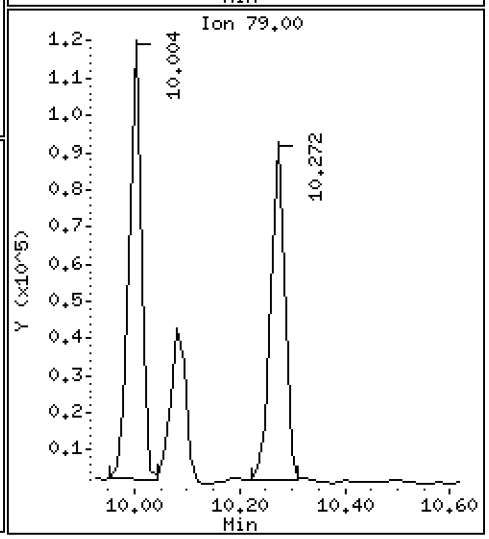












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

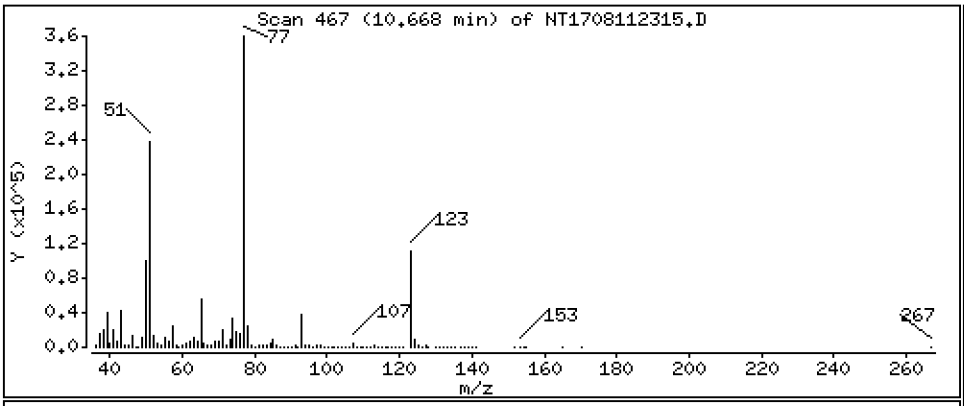
Operator: JGR

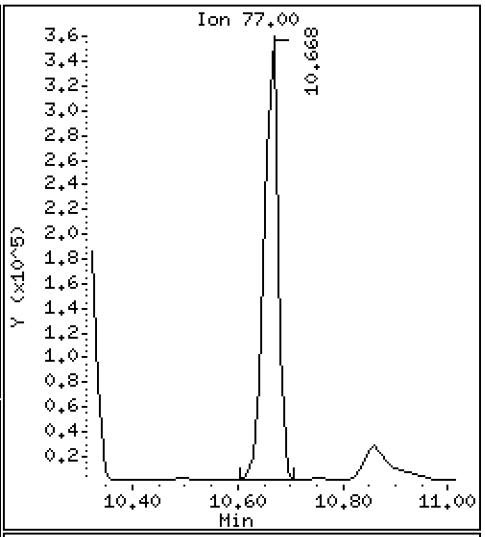
Column phase: ZB-5msi

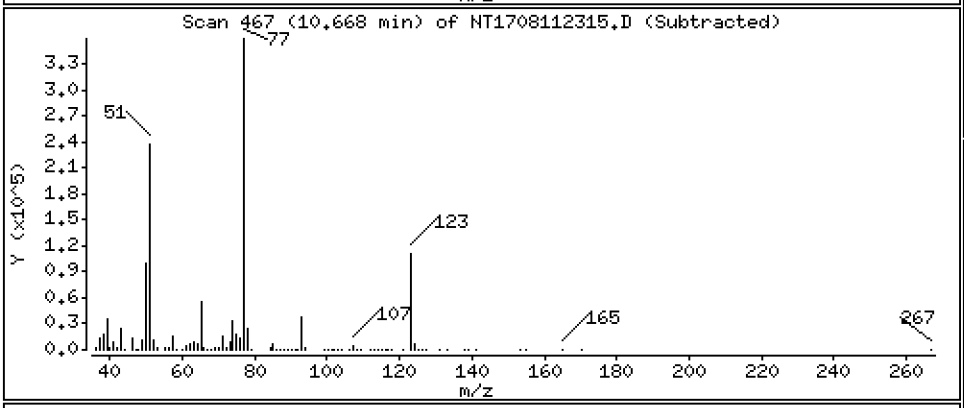
Column diameter: 0.25

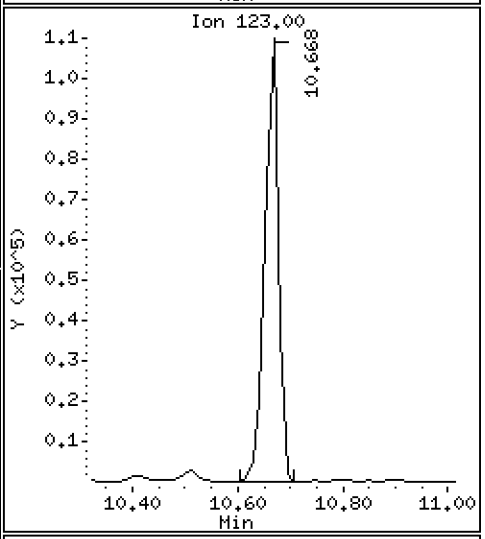
19 Nitrobenzene

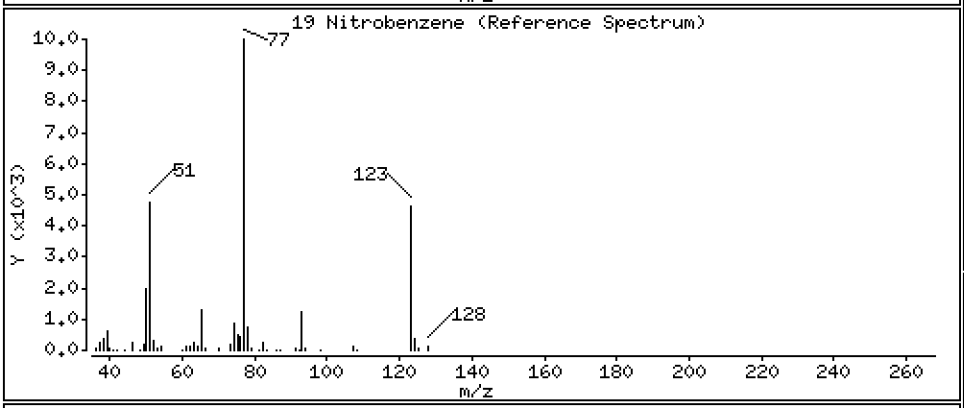
Concentration: 3.626 ug/mL

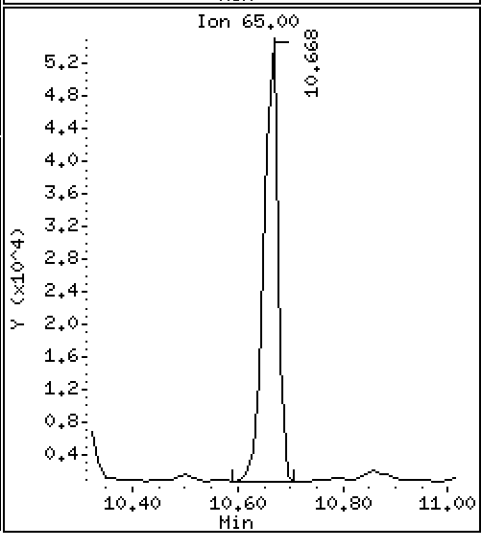


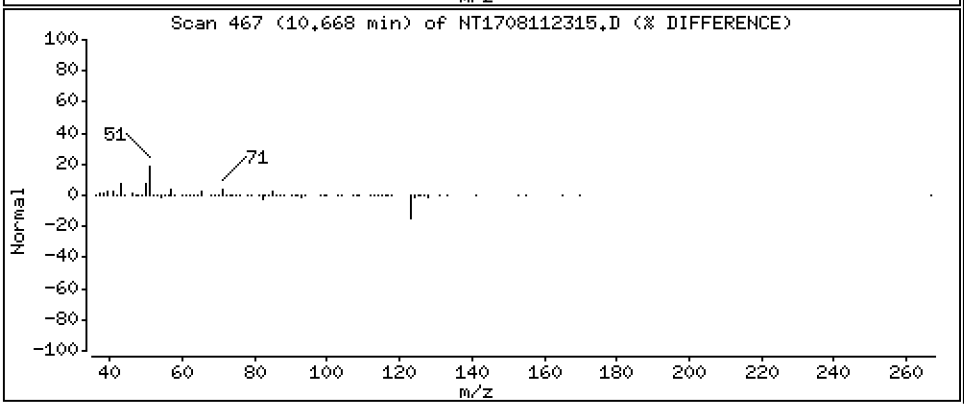












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

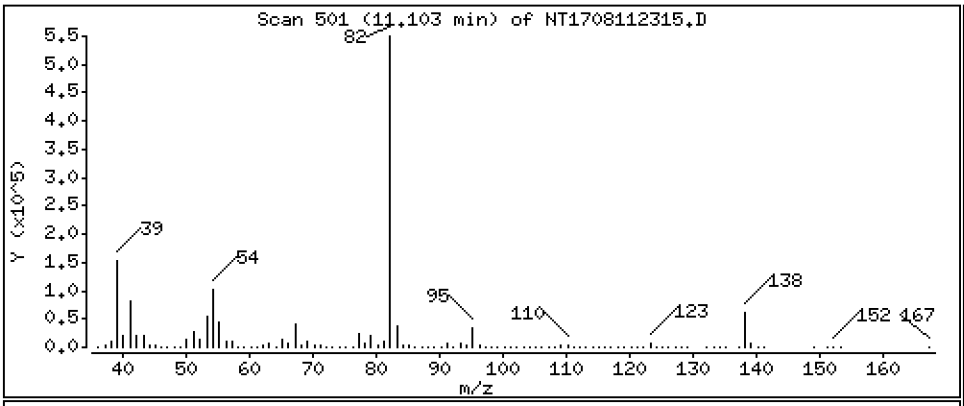
Operator: JGR

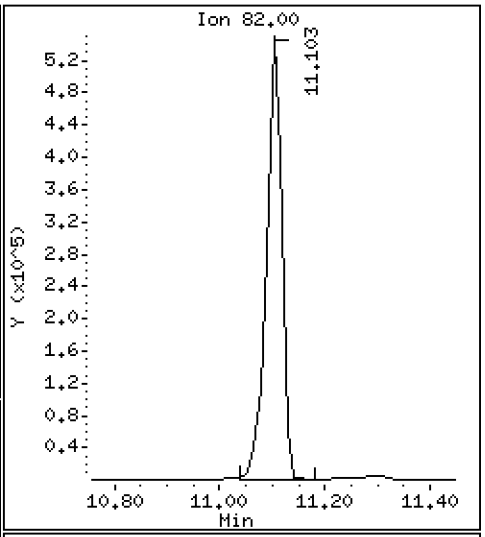
Column phase: ZB-5msi

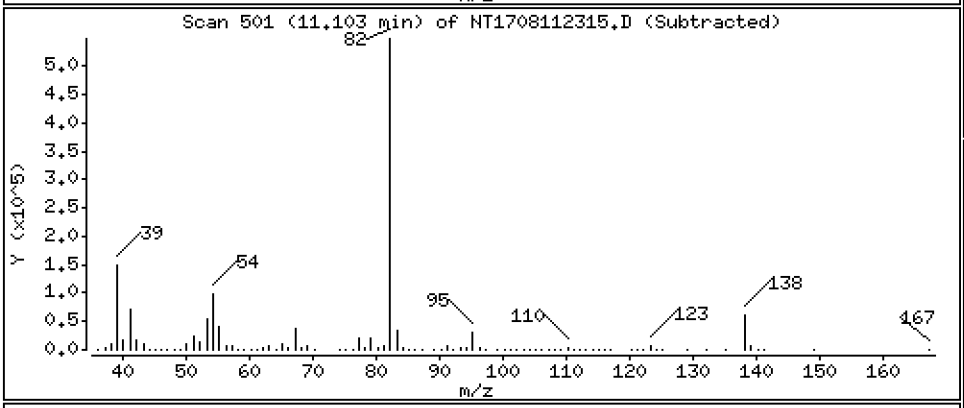
Column diameter: 0.25

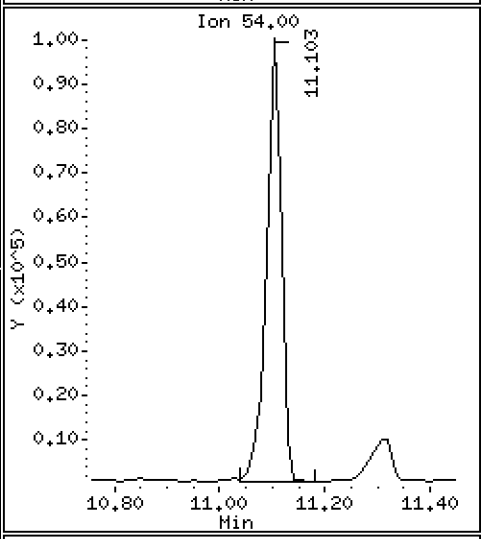
20 Isophorone

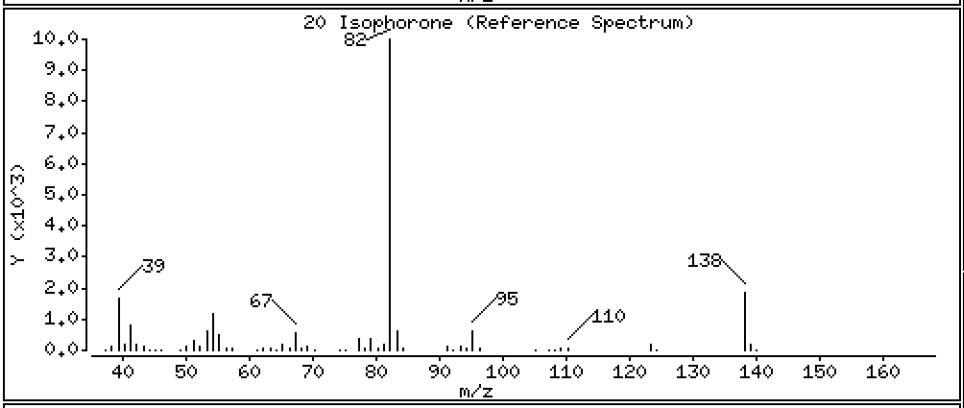
Concentration: 5.028 ug/mL

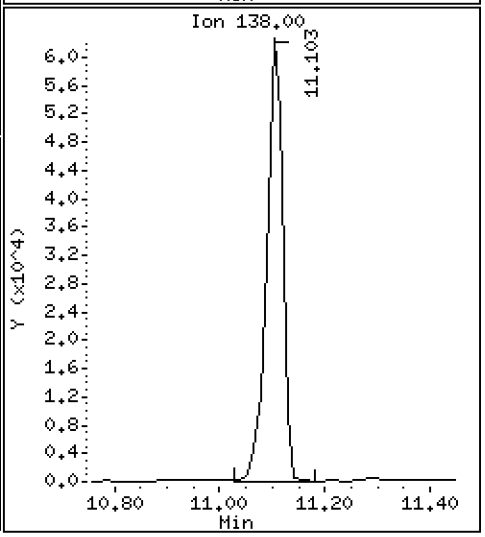


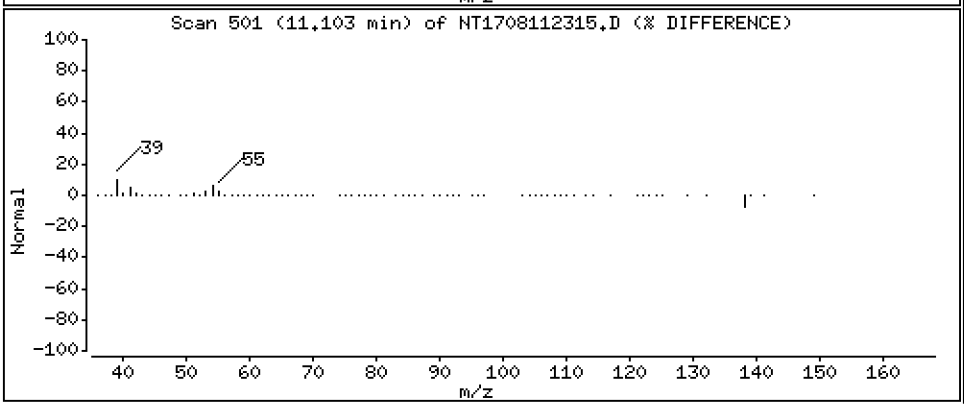












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

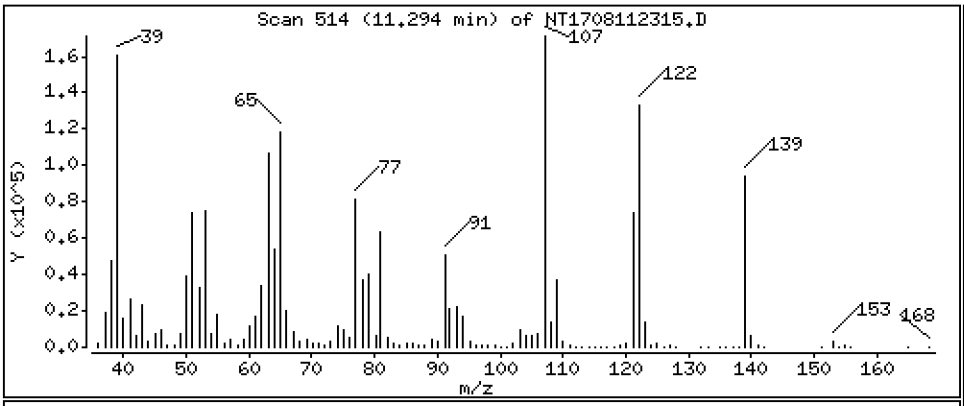
Operator: JGR

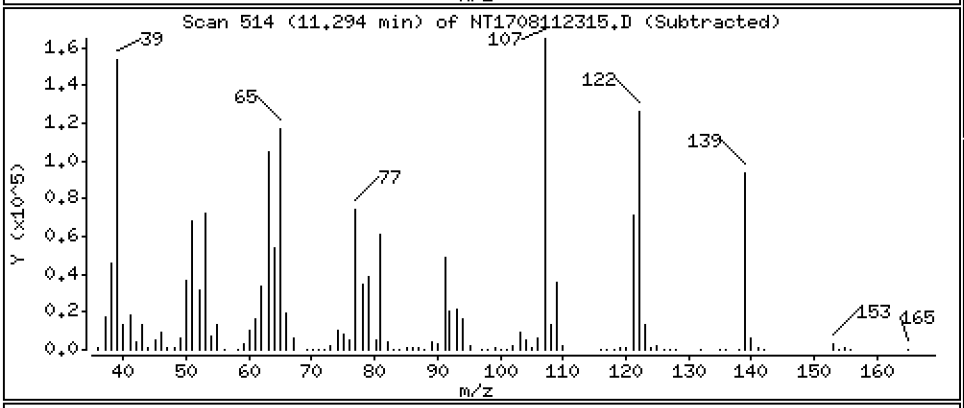
Column phase: ZB-5msi

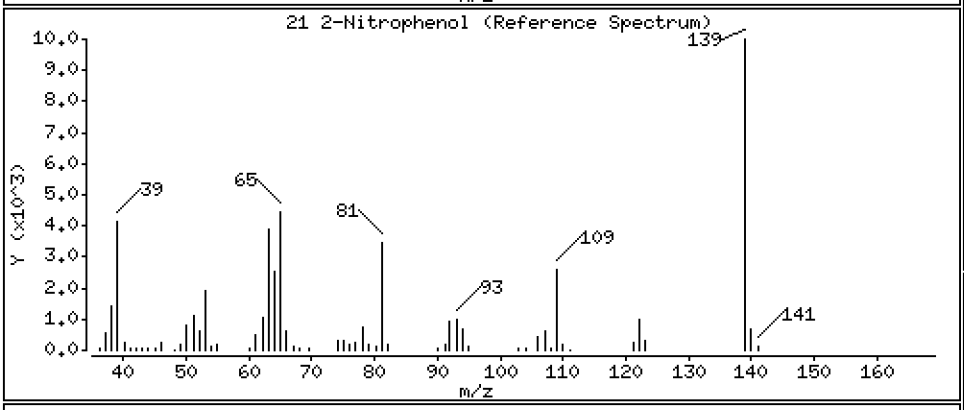
Column diameter: 0.25

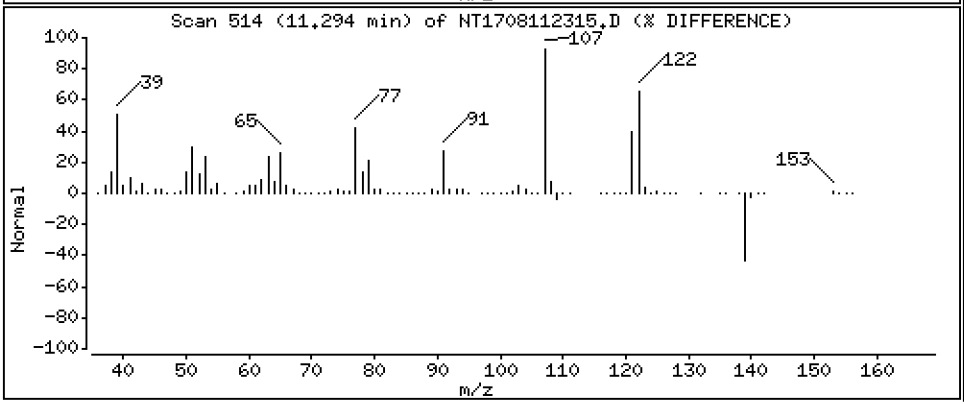
21 2-Nitrophenol

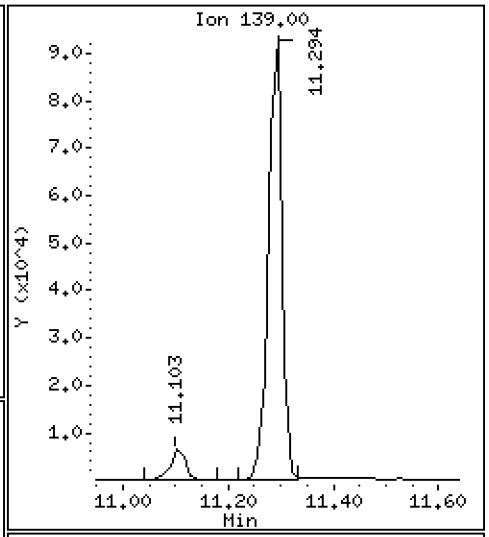
Concentration: 3.179 ug/mL

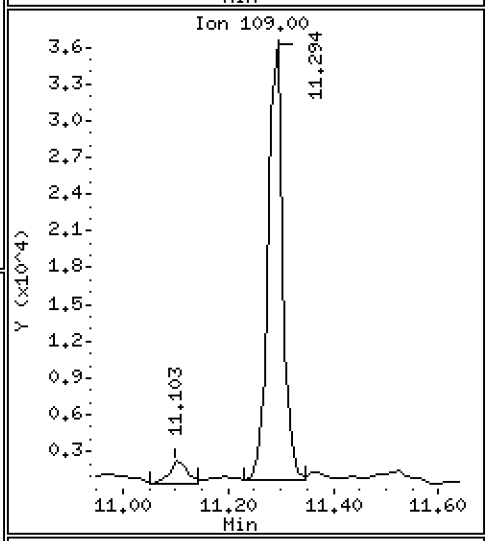


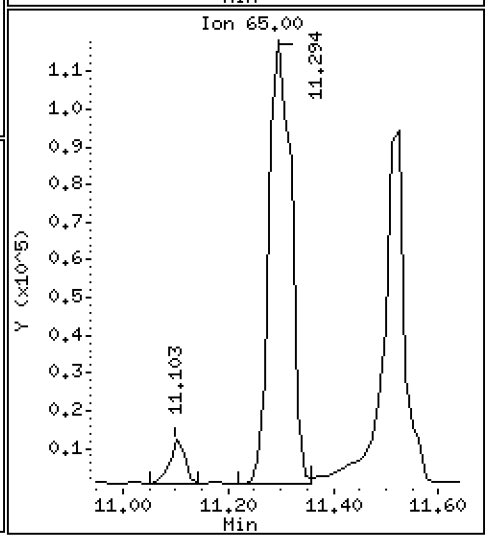












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

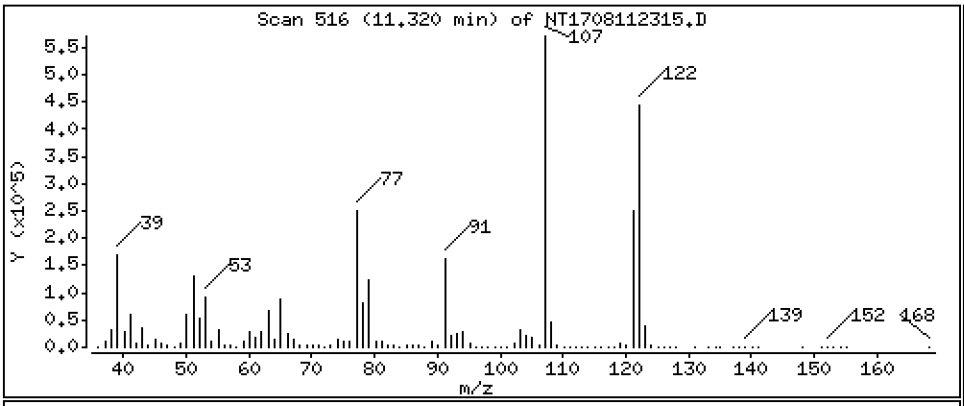
Operator: JGR

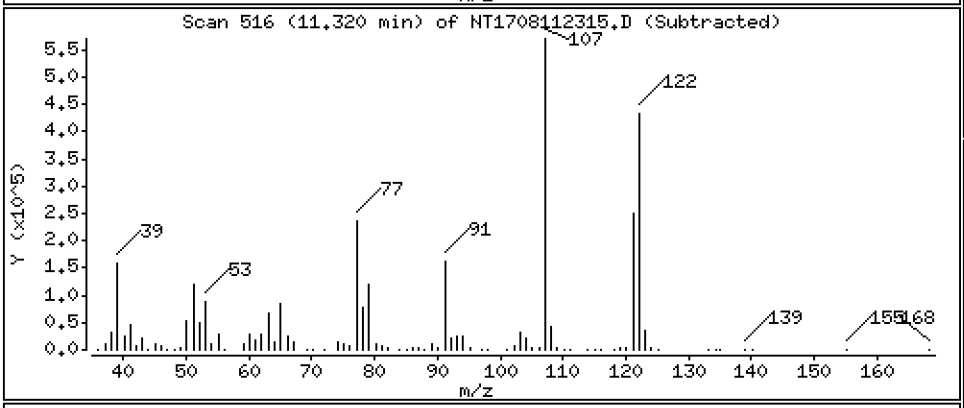
Column phase: ZB-5msi

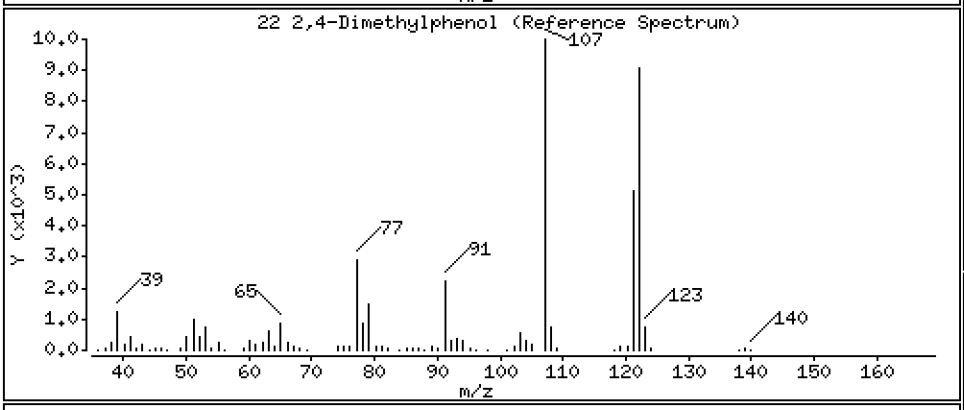
Column diameter: 0.25

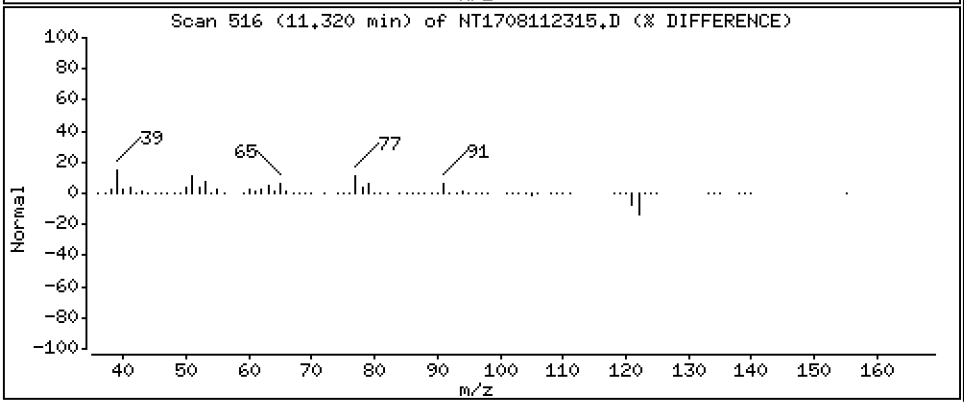
22 2,4-Dimethylphenol

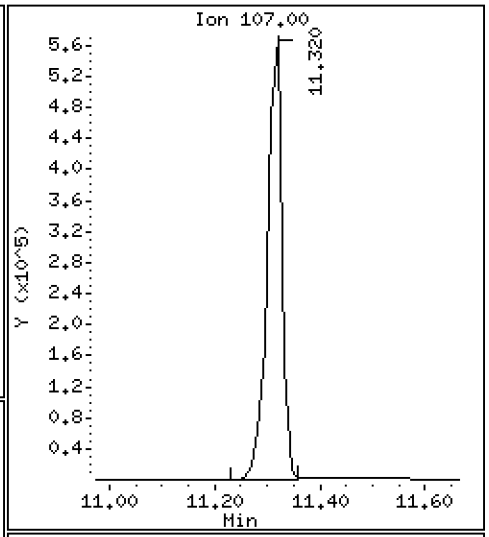
Concentration: 9.189 ug/mL

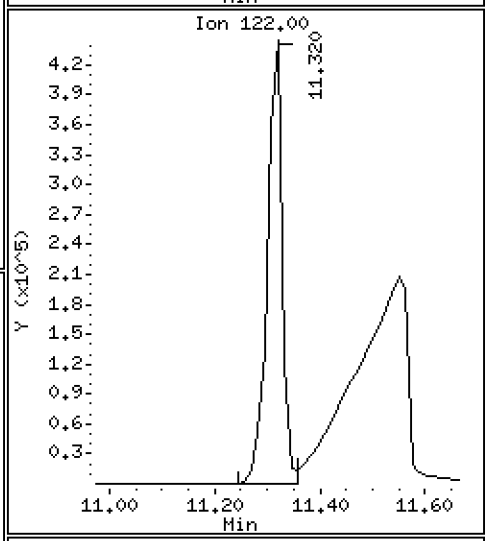


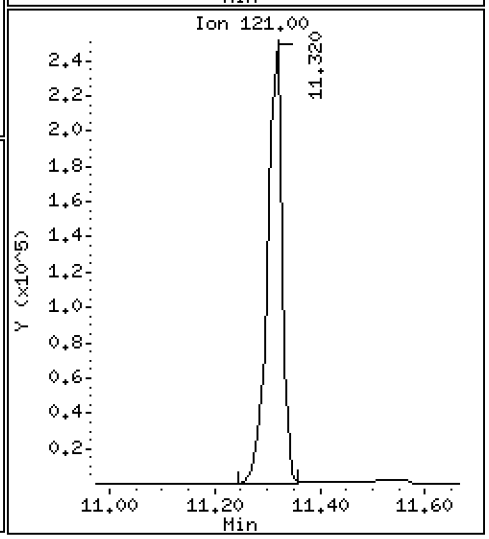












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

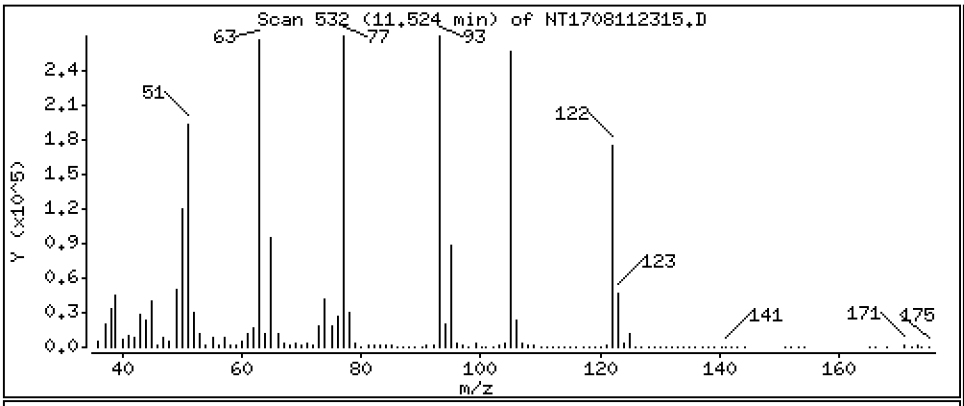
Operator: JGR

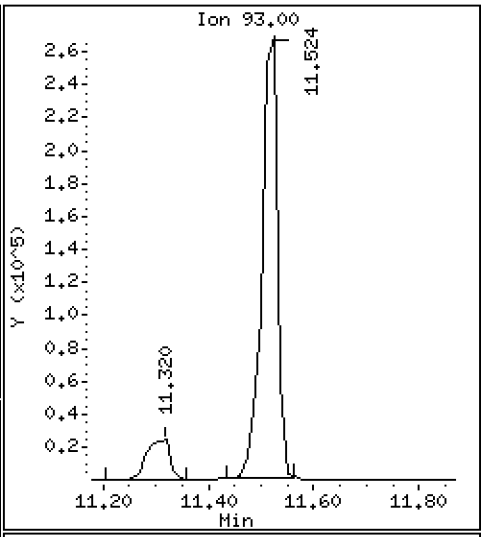
Column phase: ZB-5msi

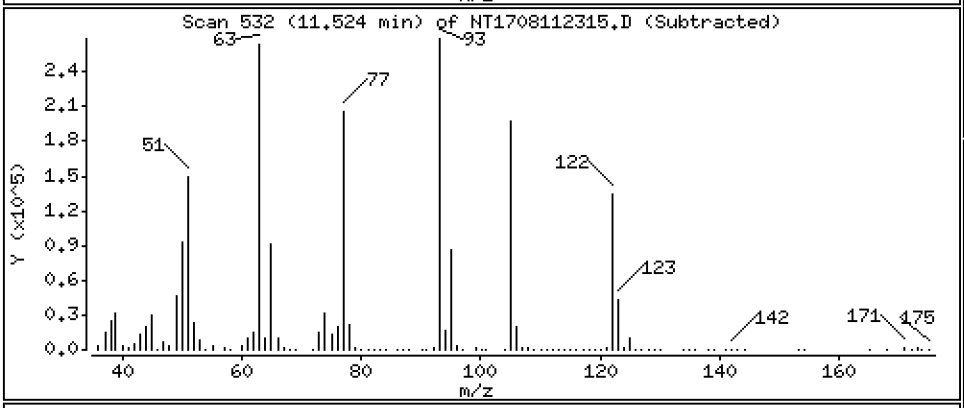
Column diameter: 0.25

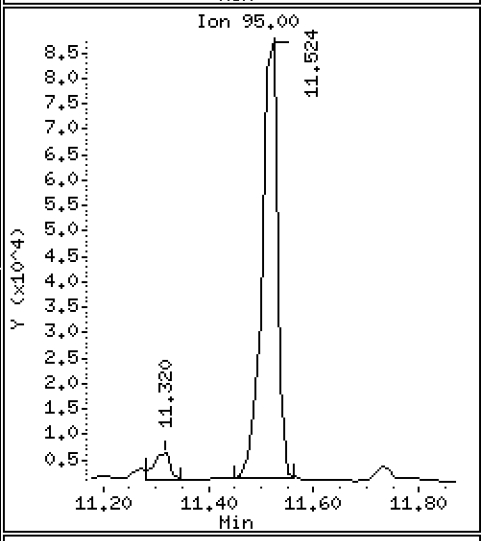
23 Bis(2-Chloroethoxy)methane

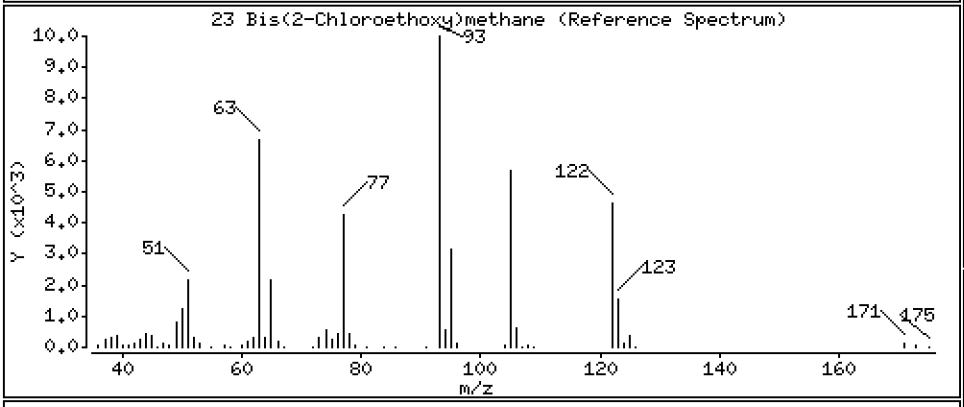
Concentration: 3.964 ug/mL

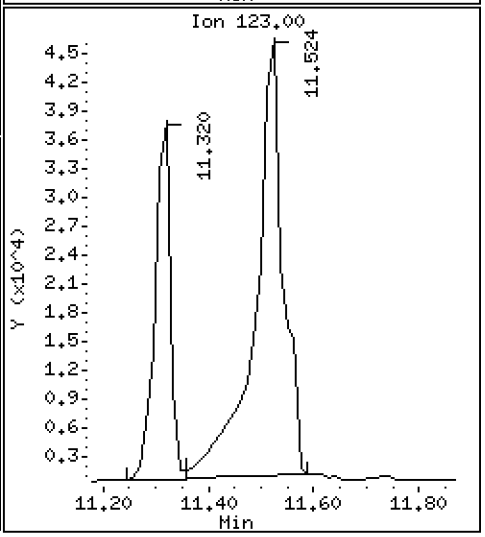


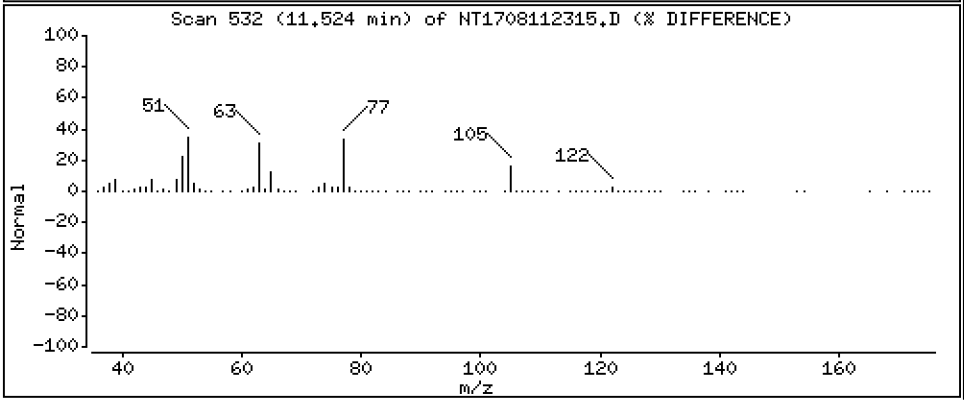












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

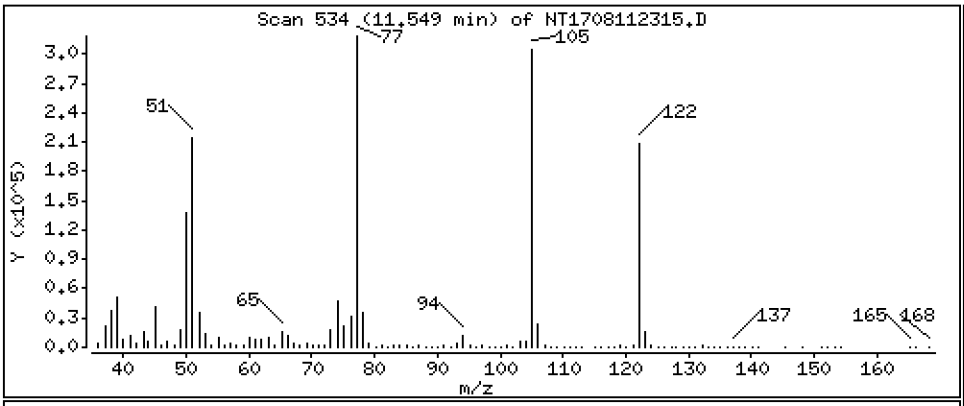
Operator: JGR

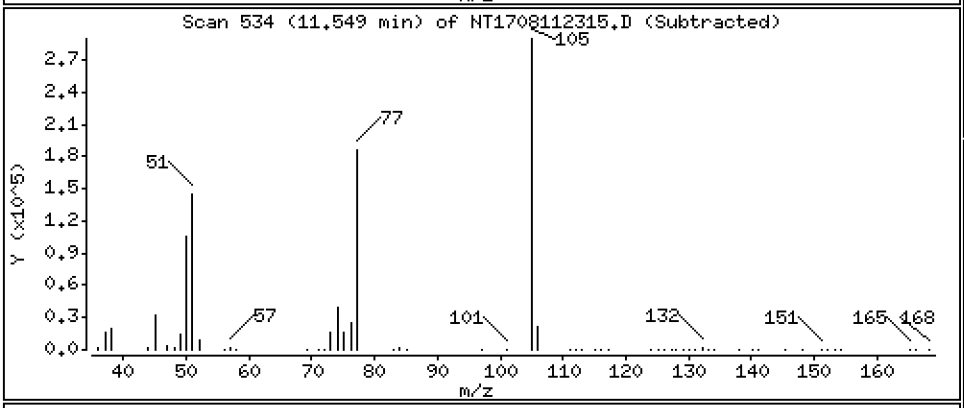
Column phase: ZB-5msi

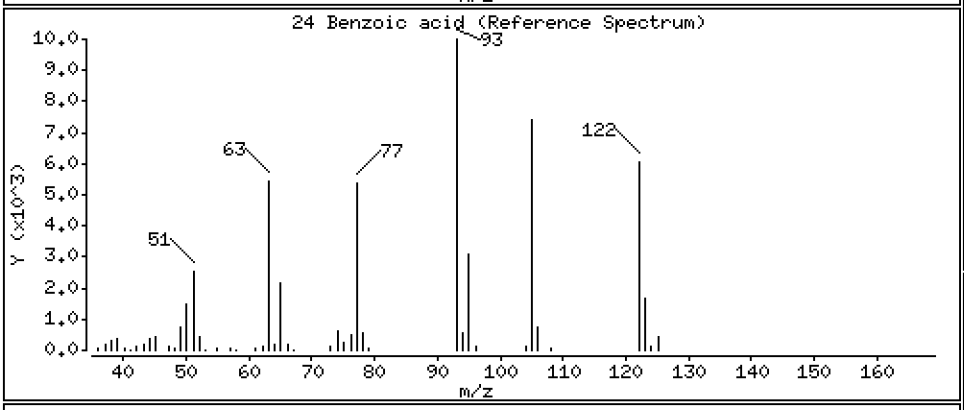
Column diameter: 0.25

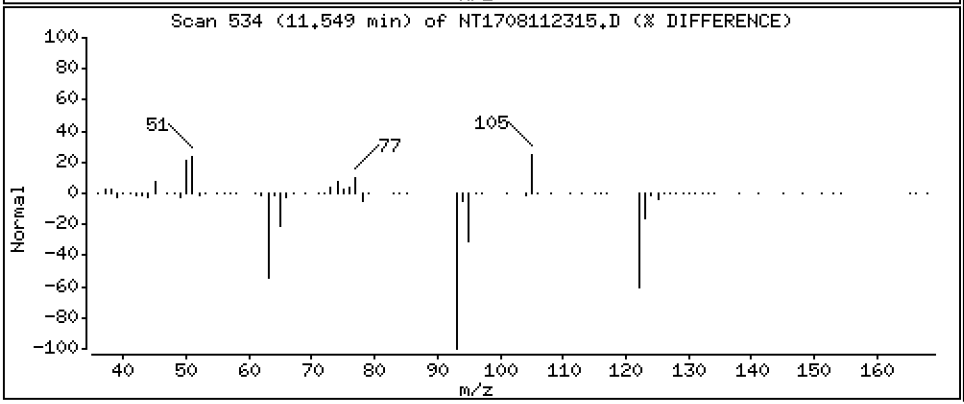
24 Benzoic acid

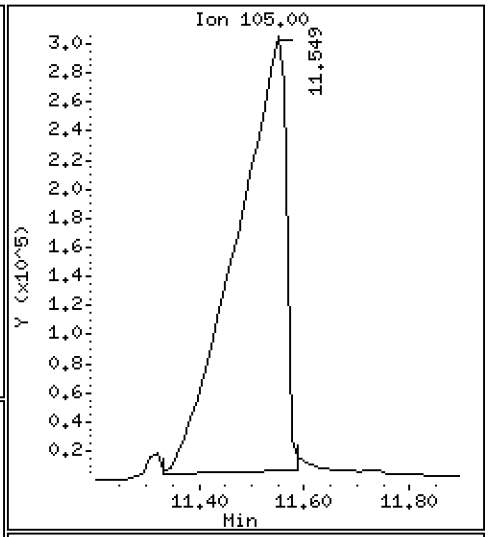
Concentration: 18.75 ug/mL

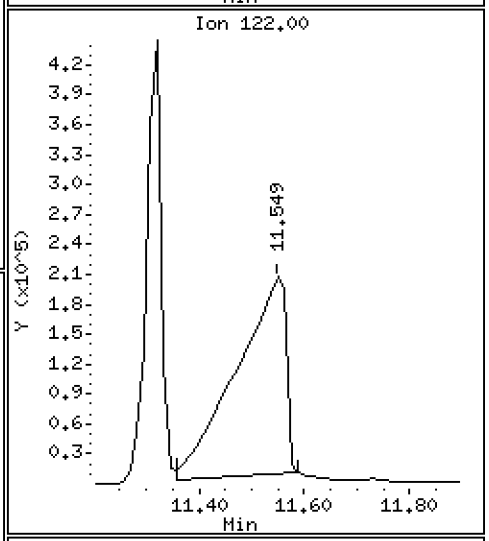


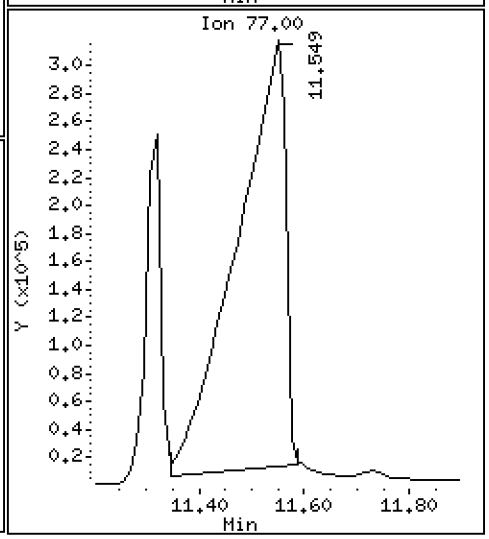












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

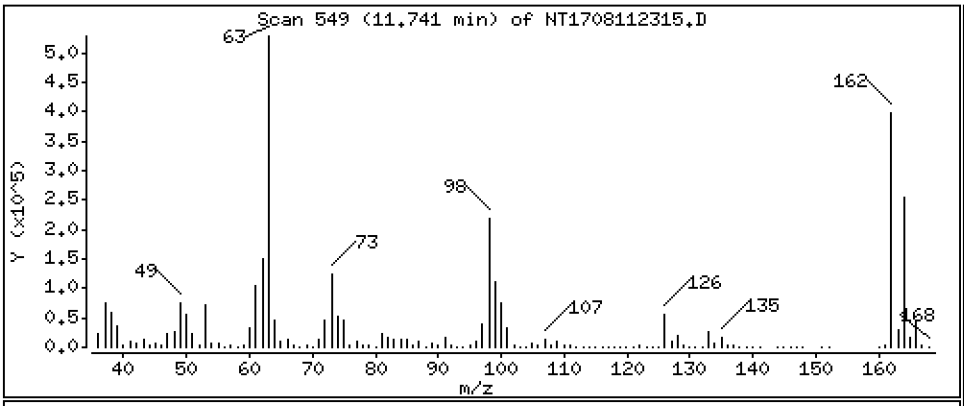
Operator: JGR

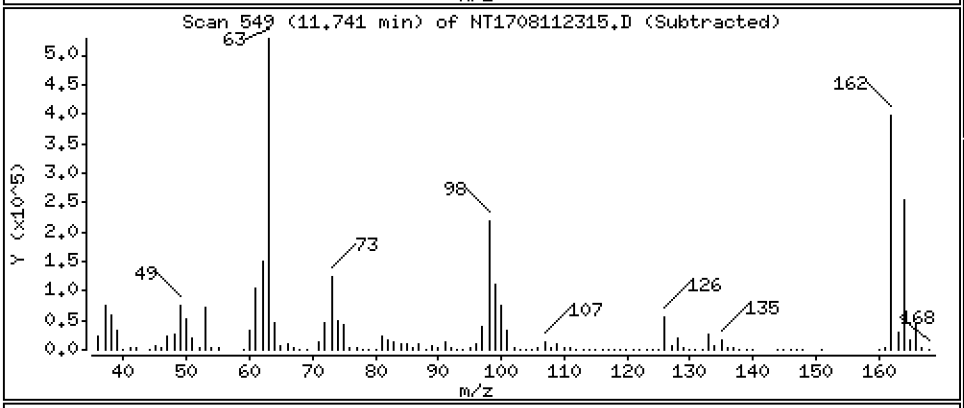
Column phase: ZB-5msi

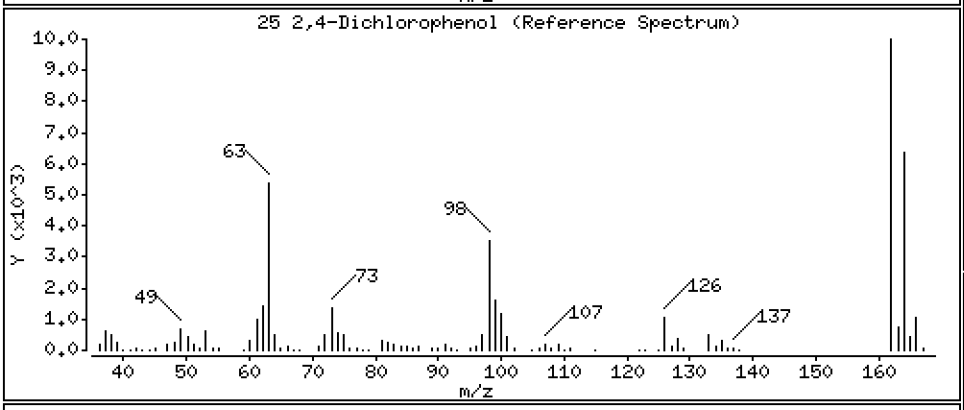
Column diameter: 0.25

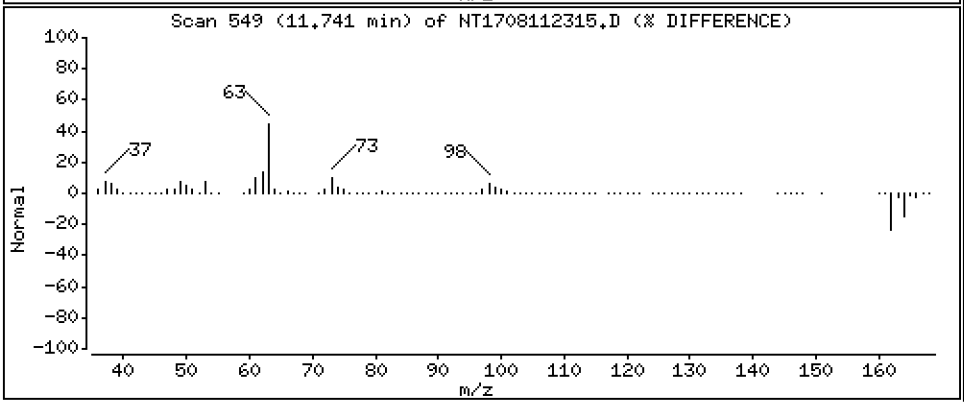
25 2,4-Dichlorophenol

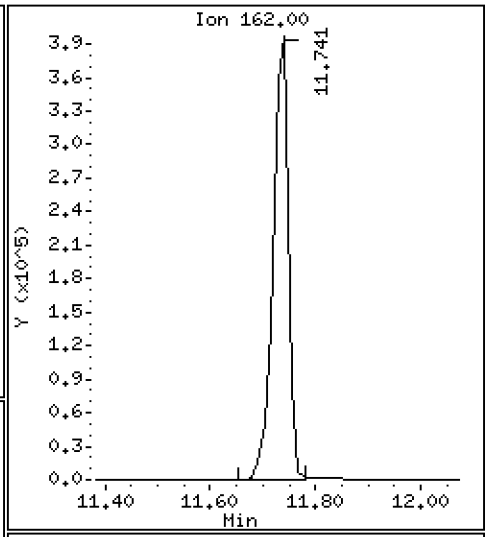
Concentration: 12.47 ug/mL

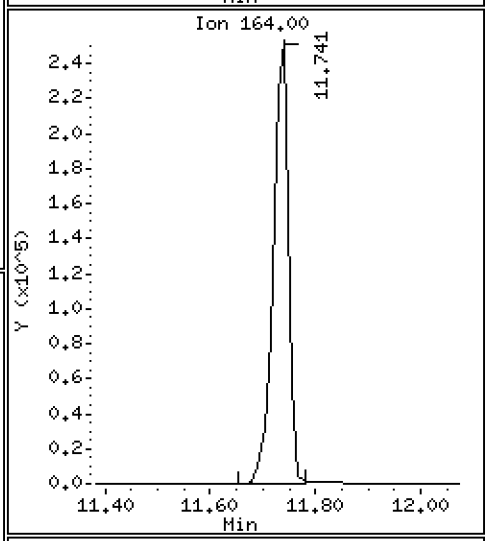


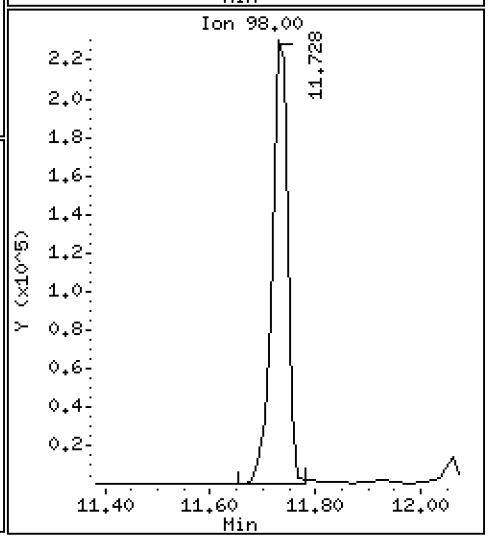












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

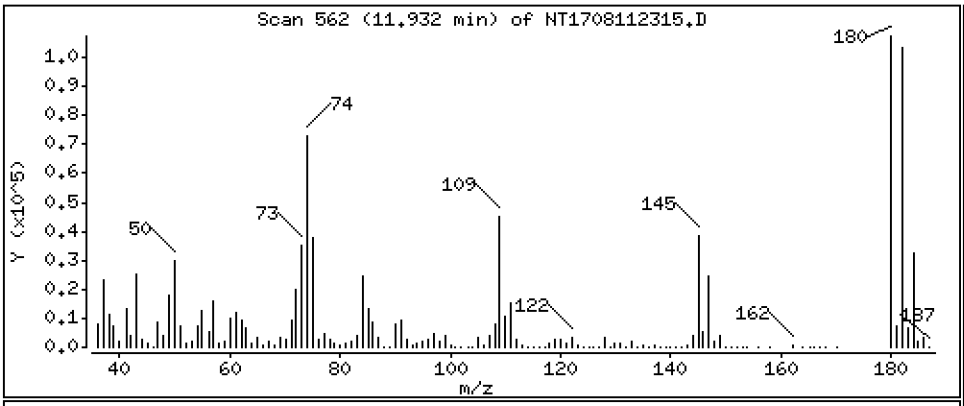
Operator: JGR

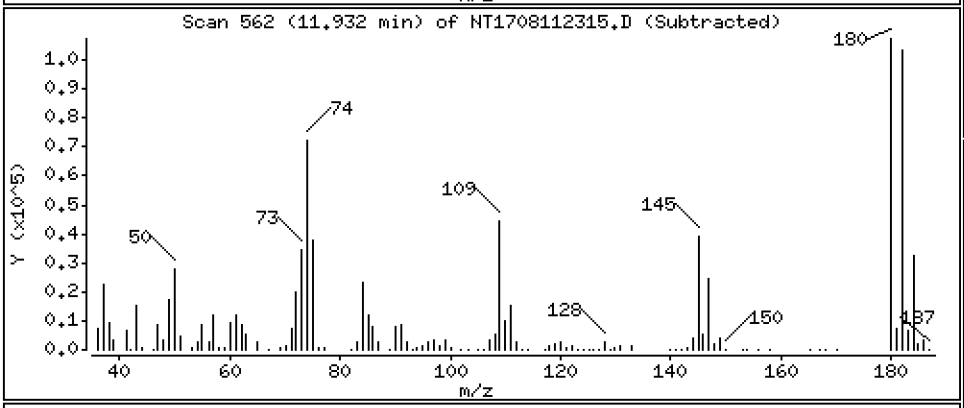
Column phase: ZB-5msi

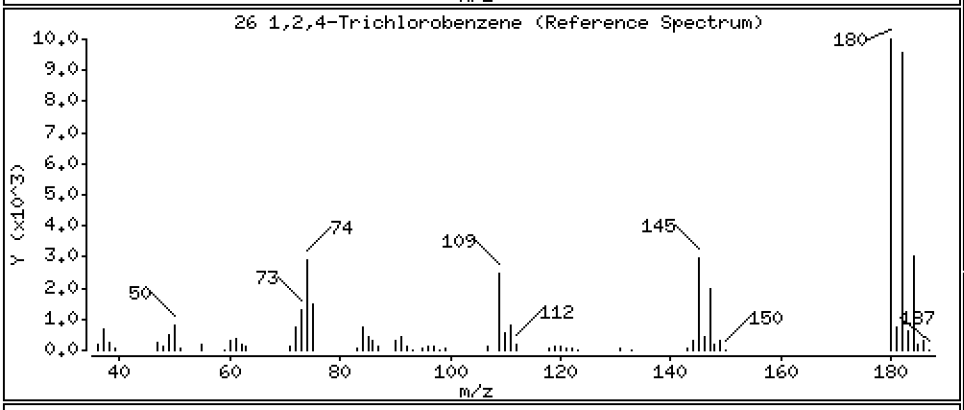
Column diameter: 0.25

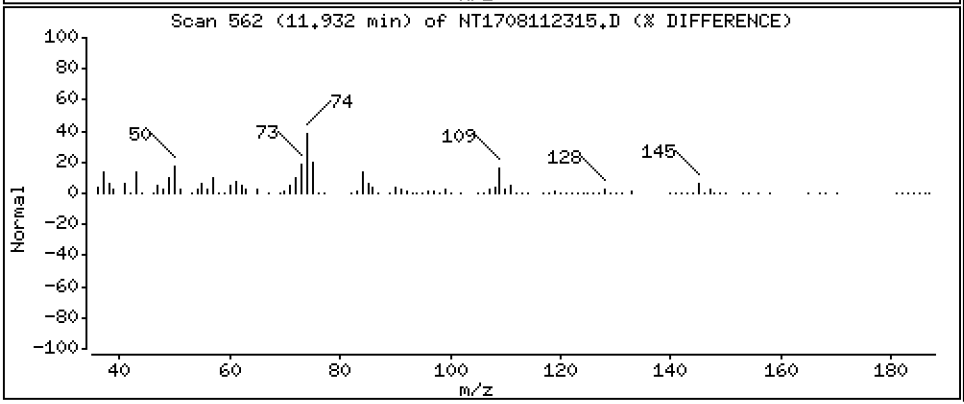
26 1,2,4-Trichlorobenzene

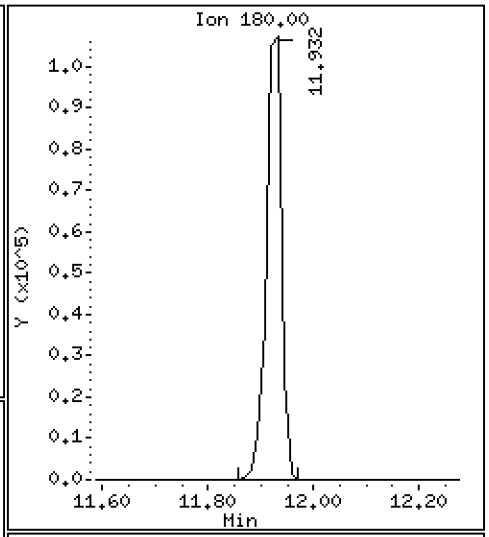
Concentration: 3.066 ug/mL

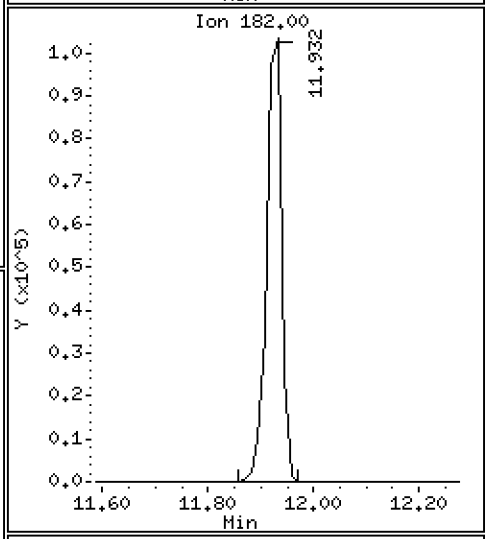


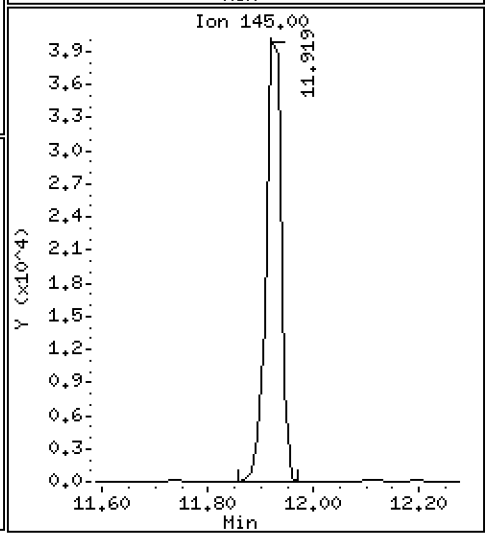












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

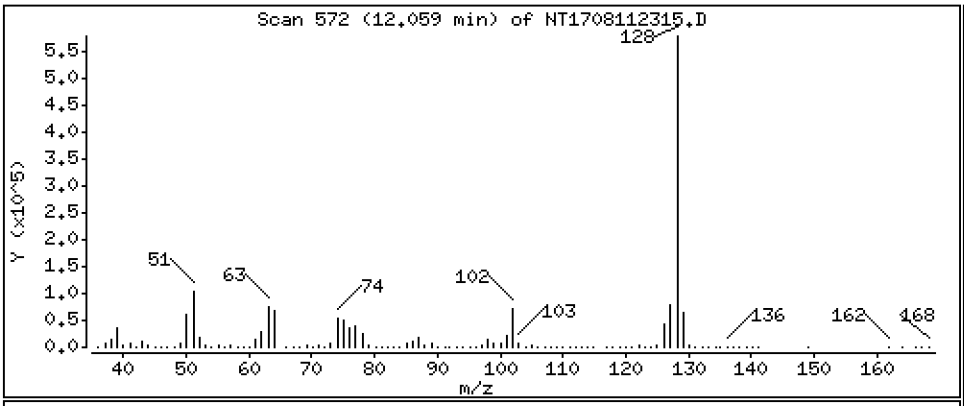
Operator: JGR

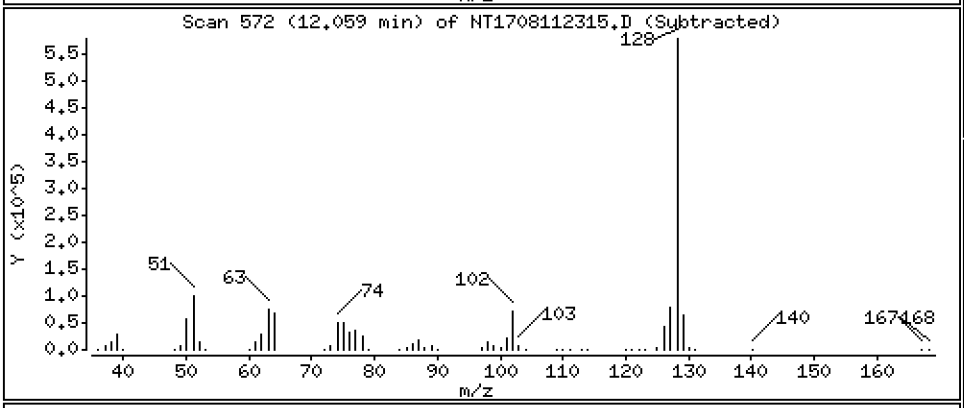
Column phase: ZB-5msi

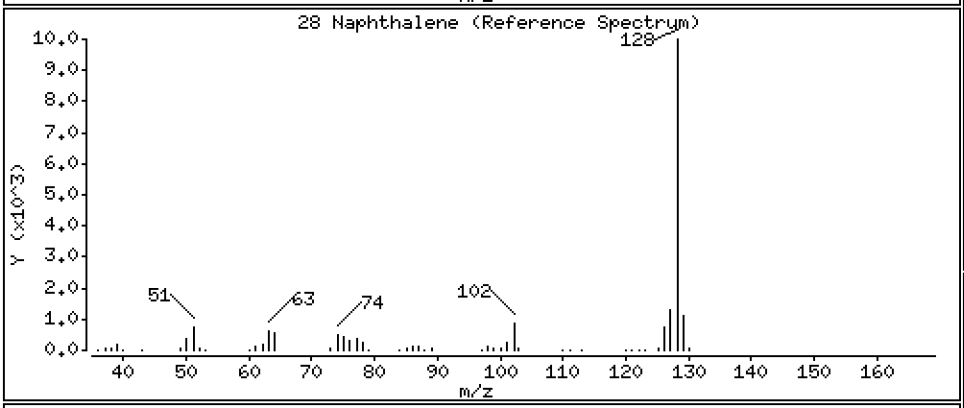
Column diameter: 0.25

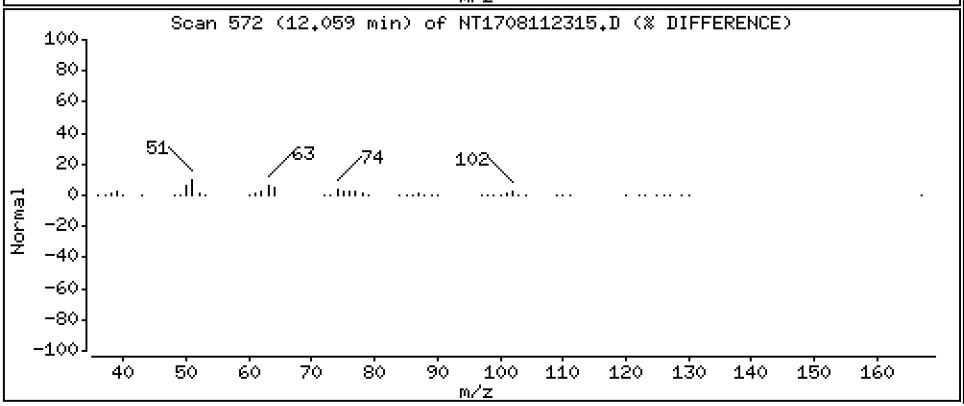
28 Naphthalene

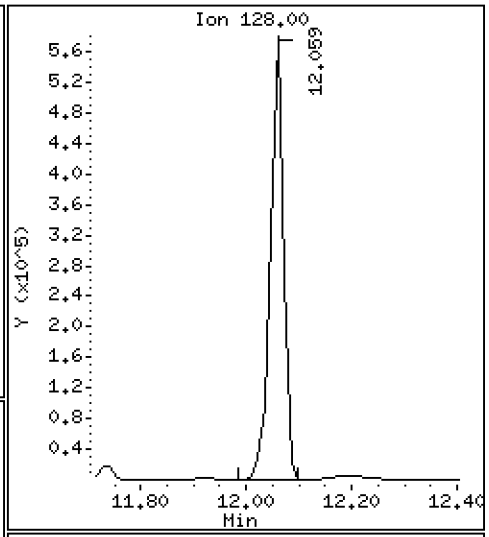
Concentration: 3.506 ug/mL

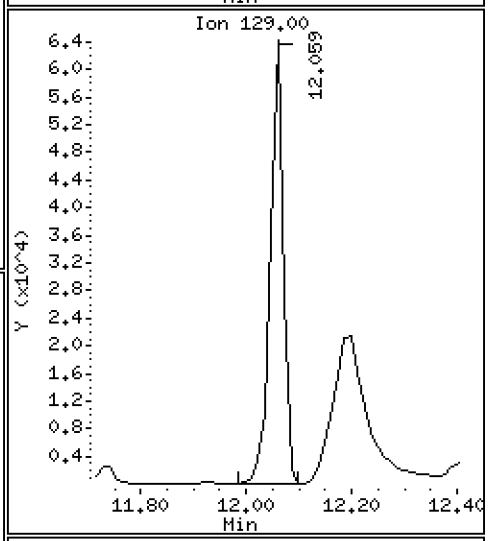


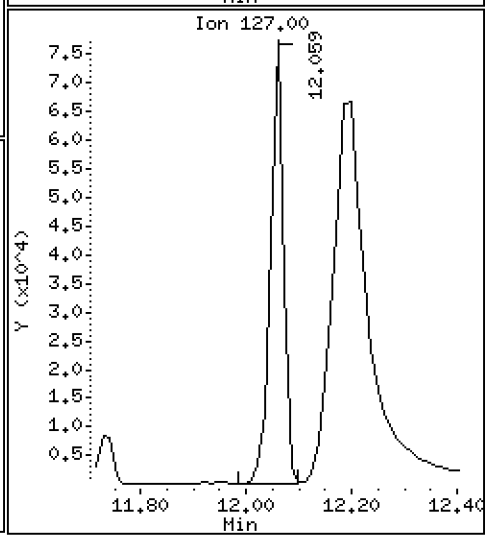












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

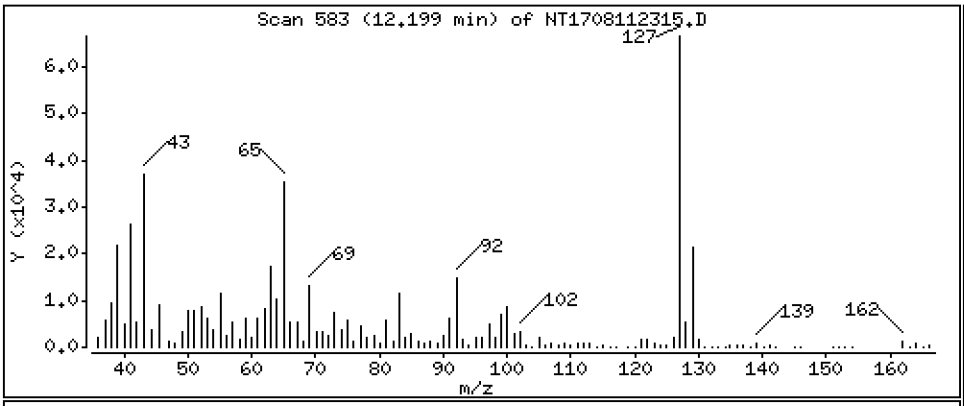
Operator: JGR

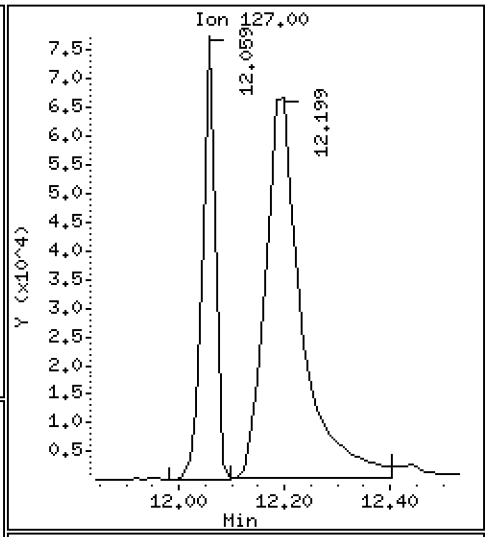
Column phase: ZB-5msi

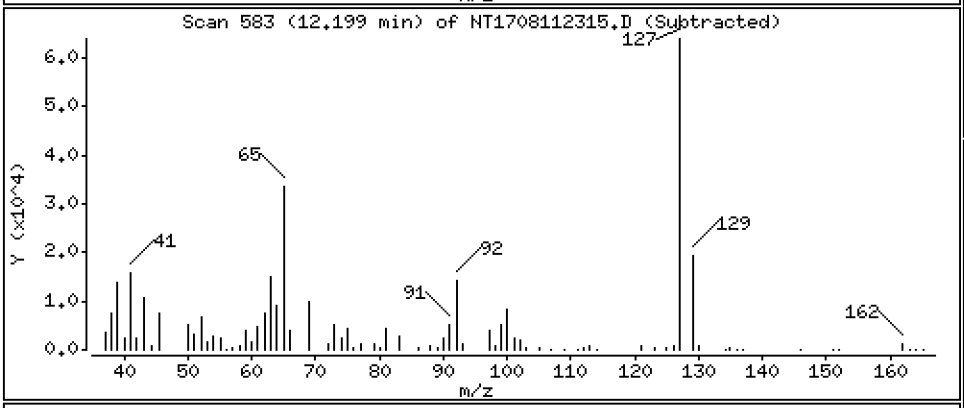
Column diameter: 0.25

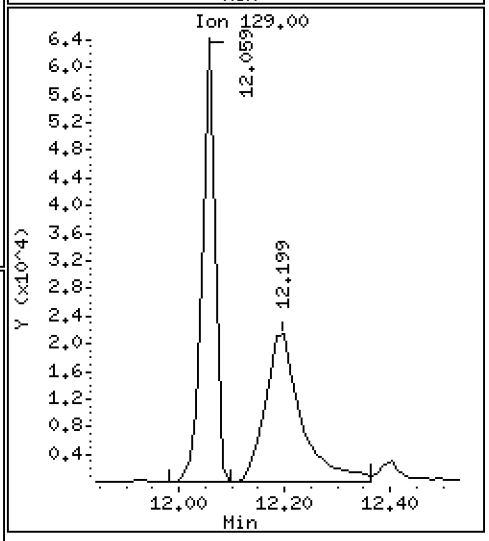
29 4-Chloroaniline

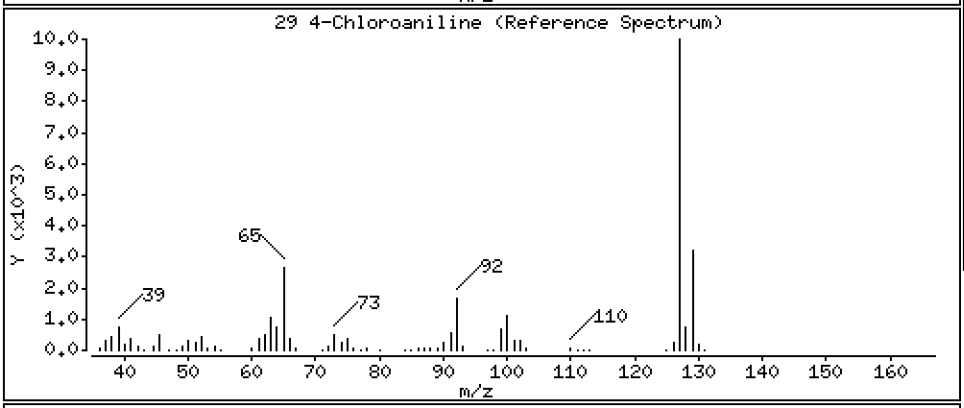
Concentration: 2.605 ug/mL

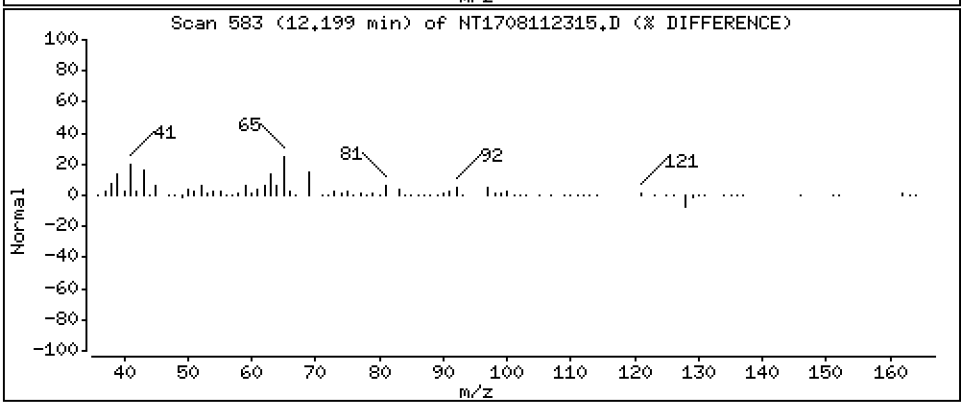












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

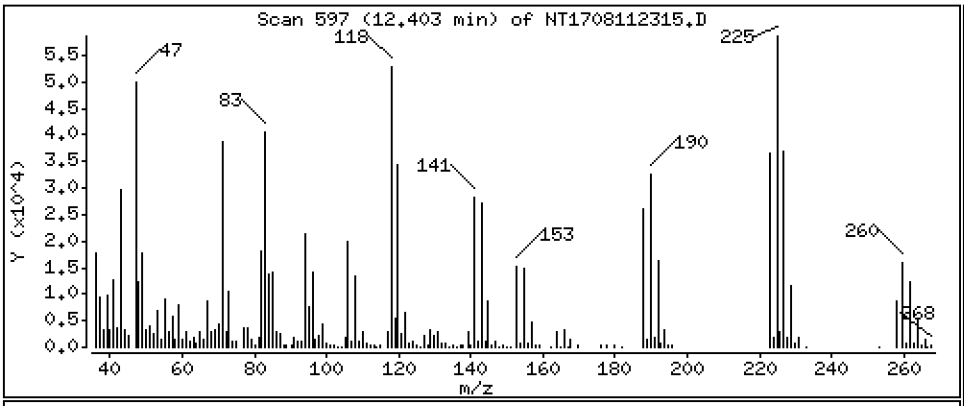
Operator: JGR

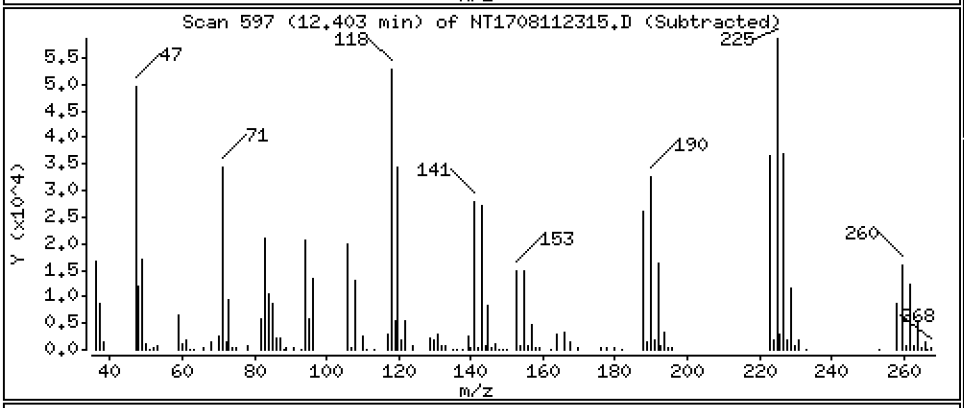
Column phase: ZB-5msi

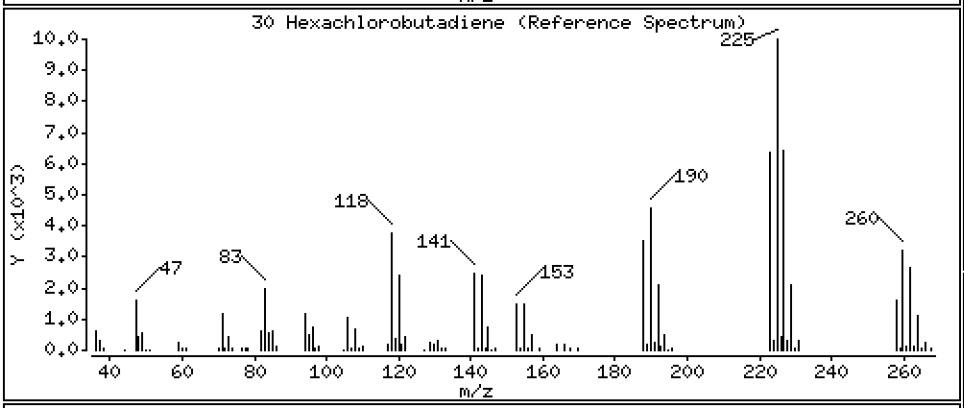
Column diameter: 0.25

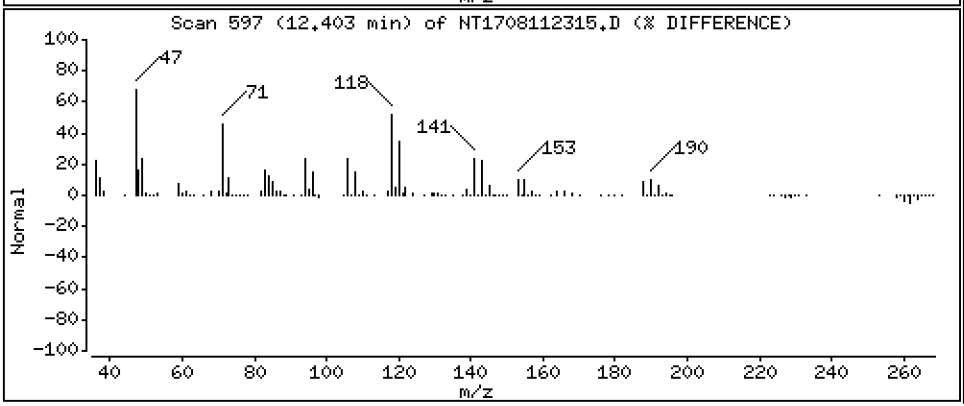
30 Hexachlorobutadiene

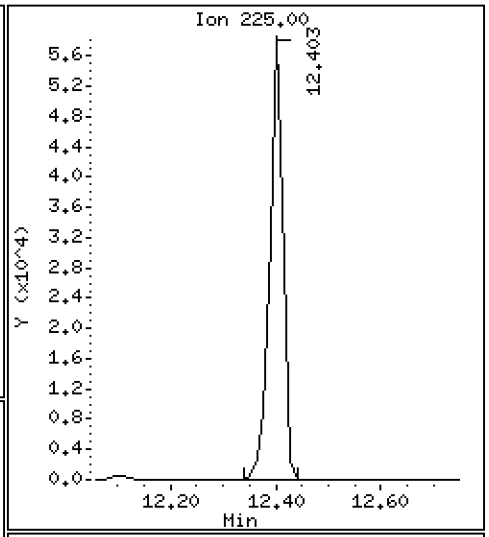
Concentration: 3.099 ug/mL

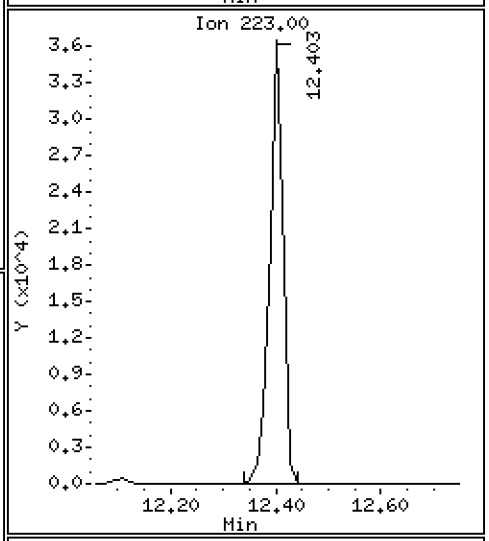


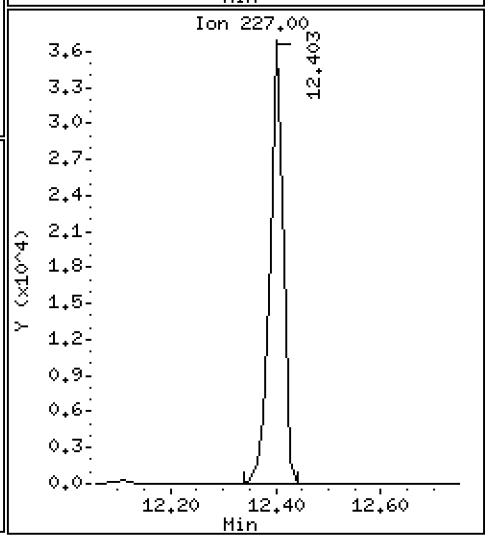












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

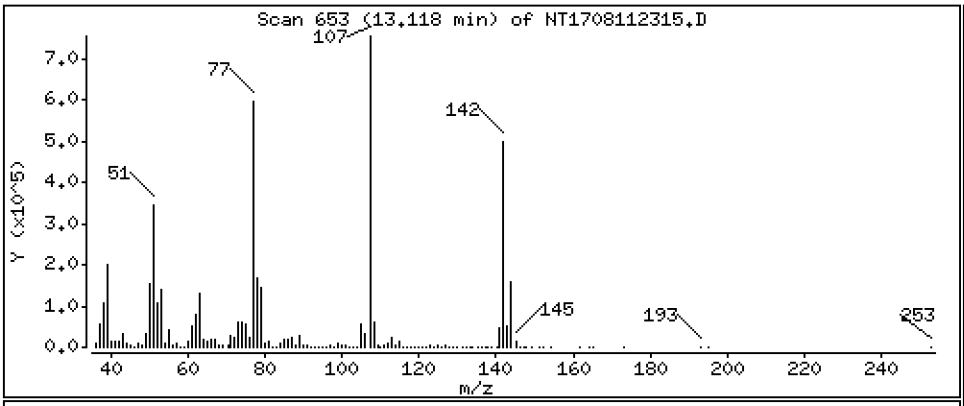
Operator: JGR

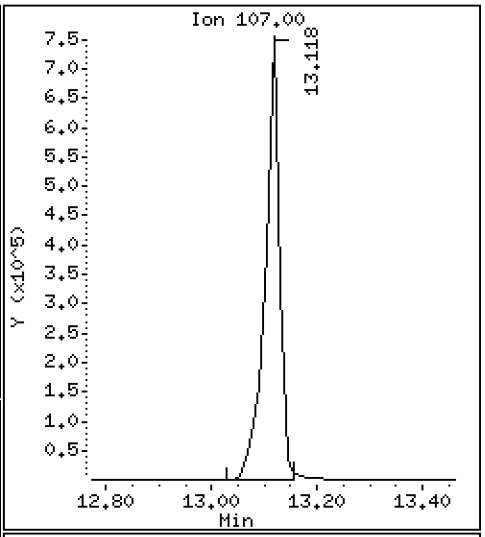
Column phase: ZB-5msi

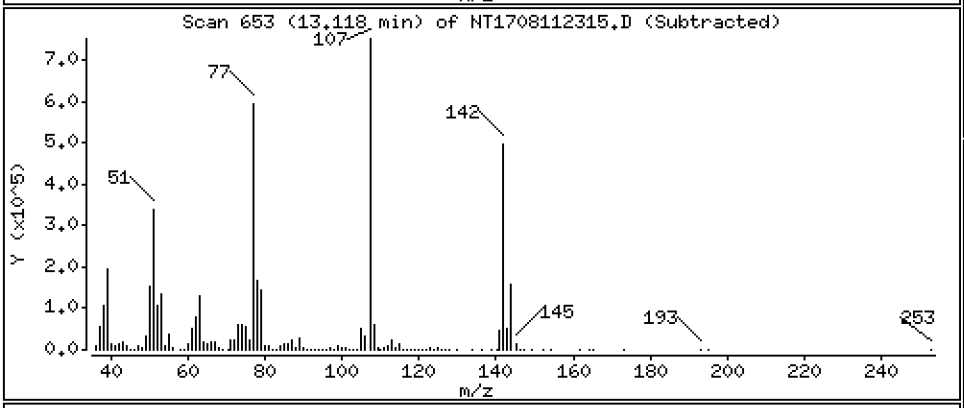
Column diameter: 0.25

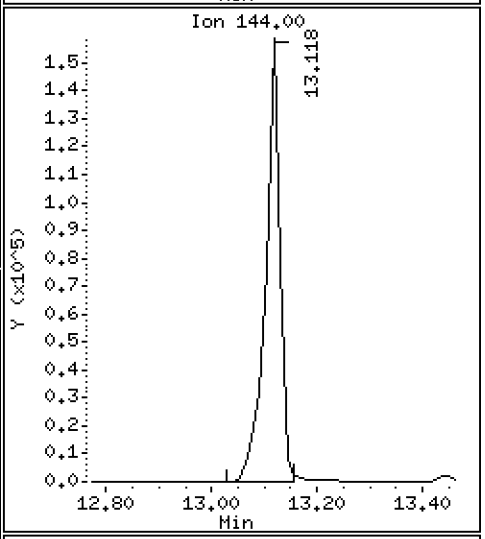
31 4-Chloro-3-methylphenol

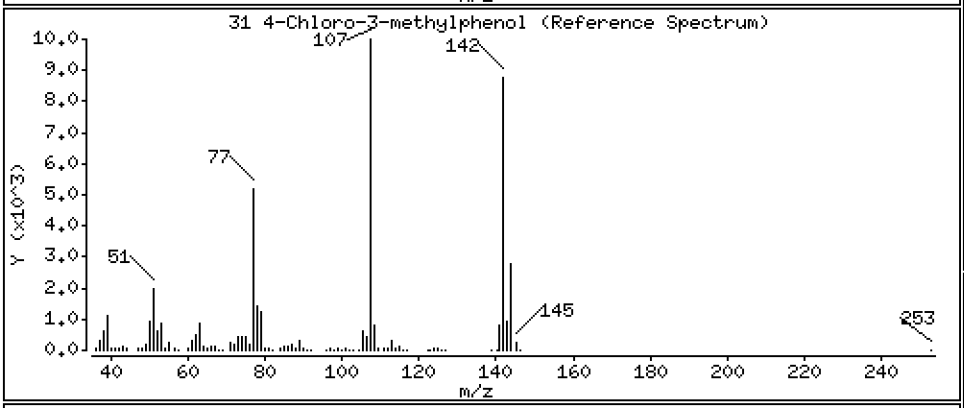
Concentration: 11.79 ug/mL

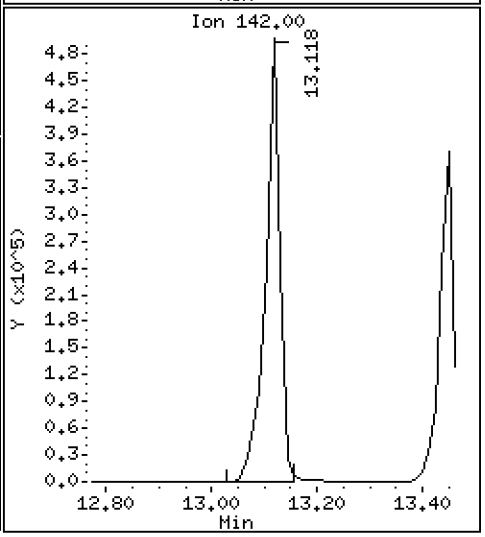


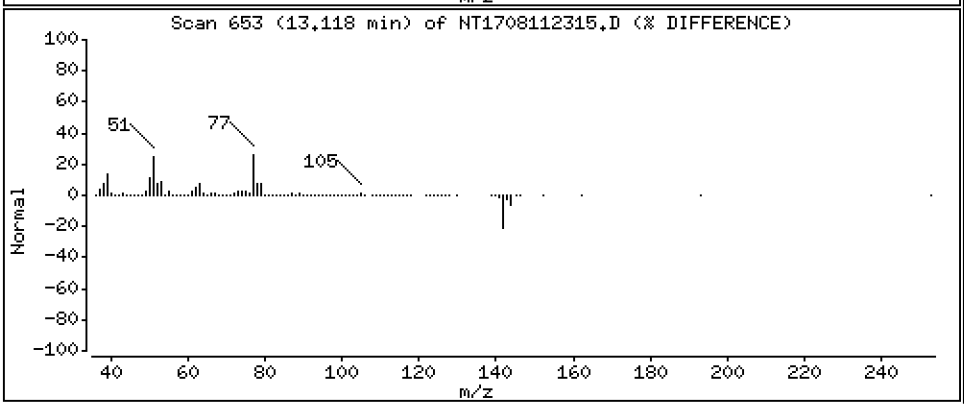












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

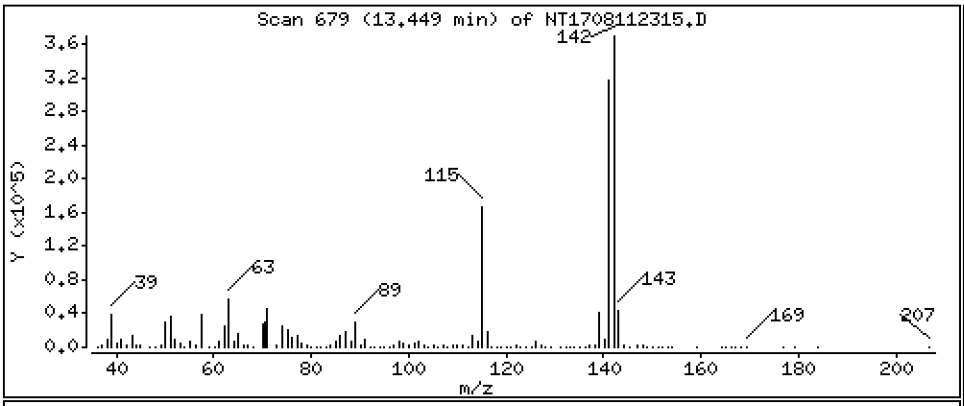
Operator: JGR

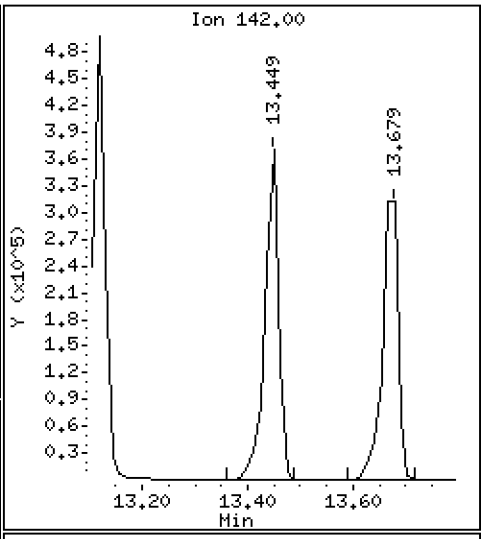
Column phase: ZB-5msi

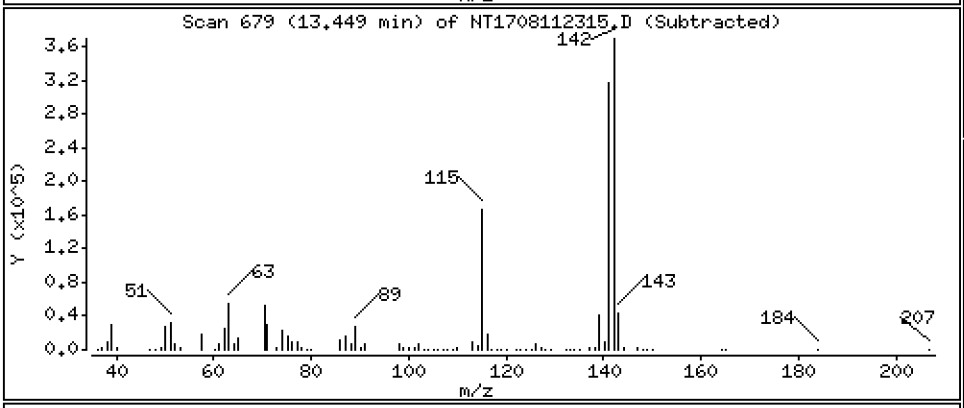
Column diameter: 0.25

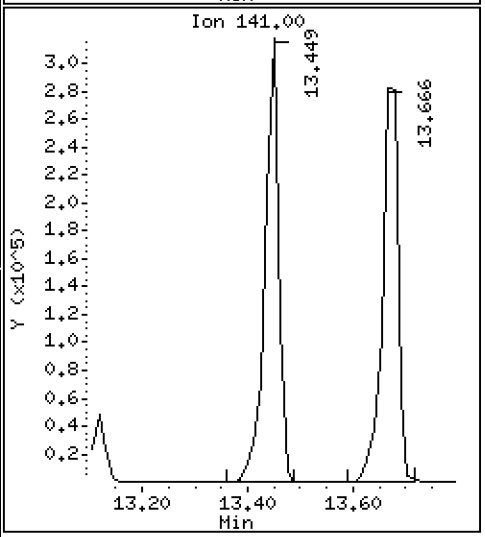
32 2-Methylnaphthalene

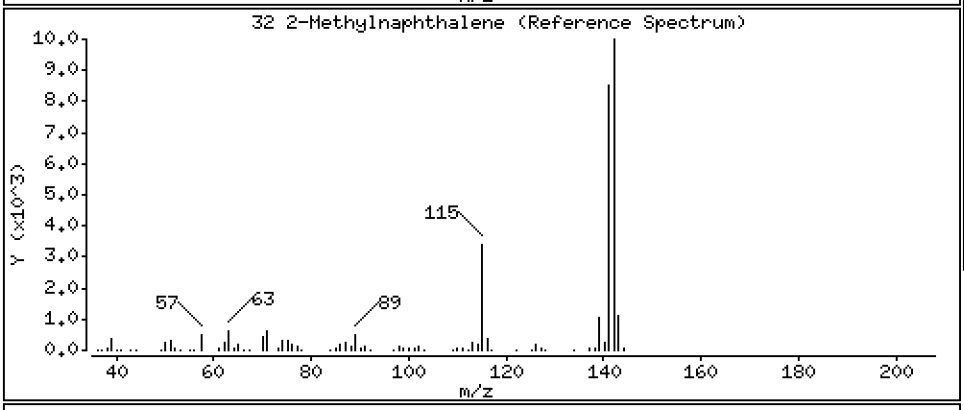
Concentration: 3.364 ug/mL

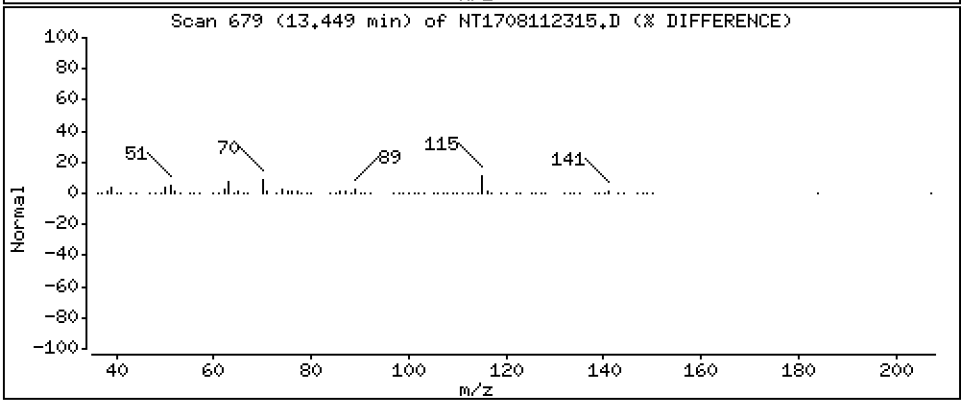












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

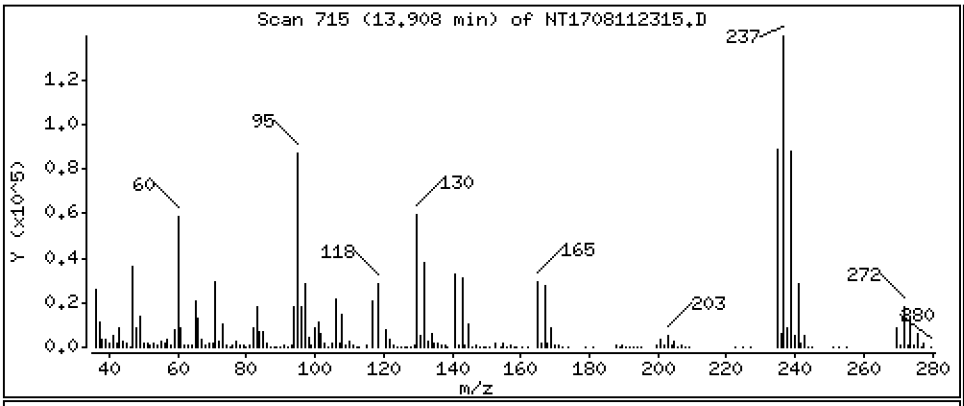
Operator: JGR

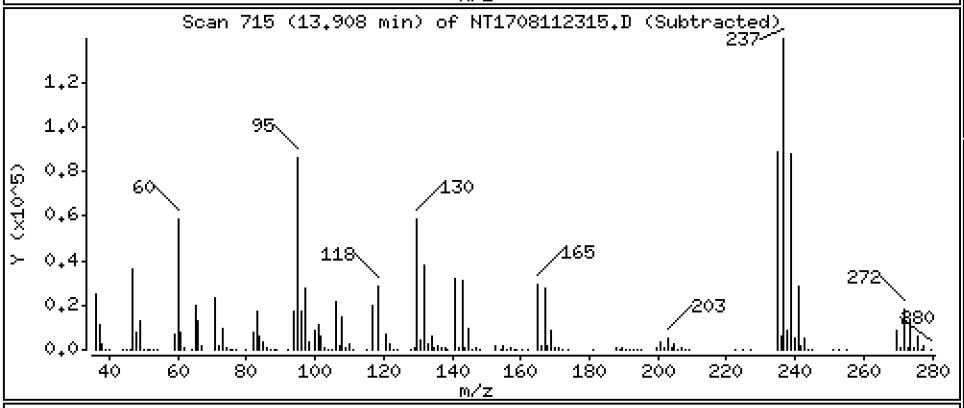
Column phase: ZB-5msi

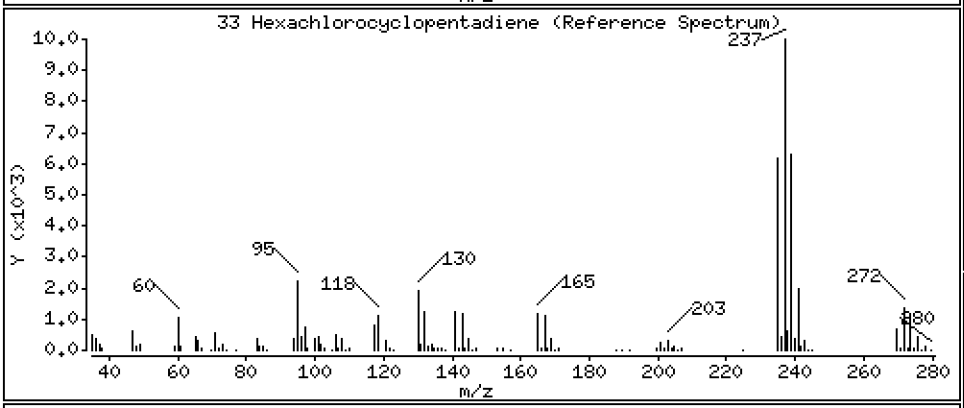
Column diameter: 0.25

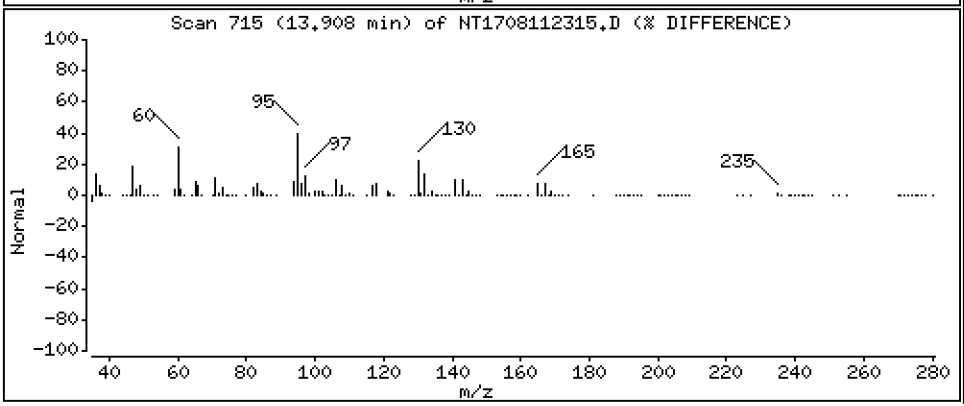
33 Hexachlorocyclopentadiene

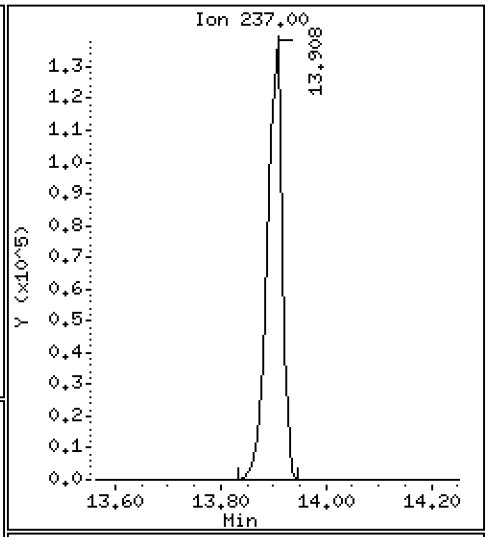
Concentration: 5.836 ug/mL

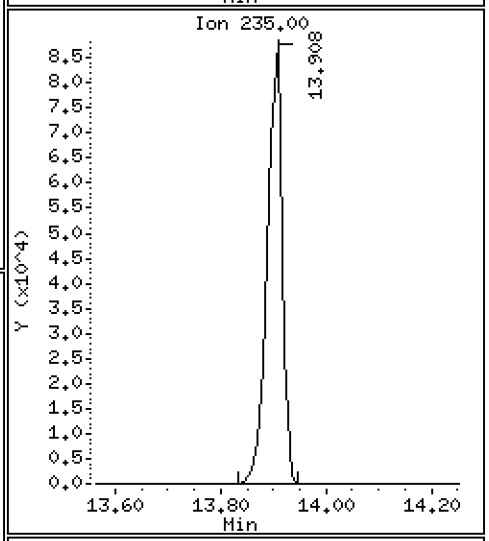


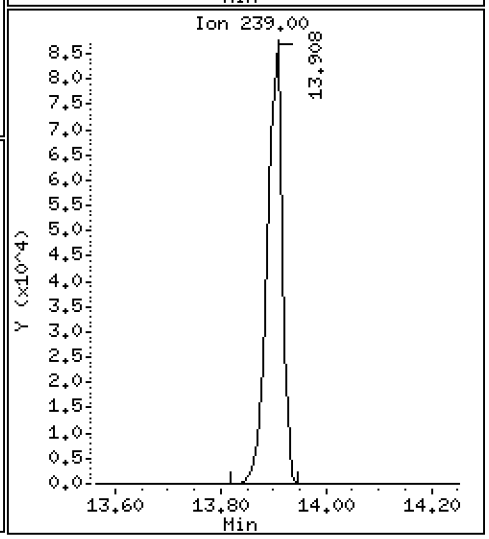












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

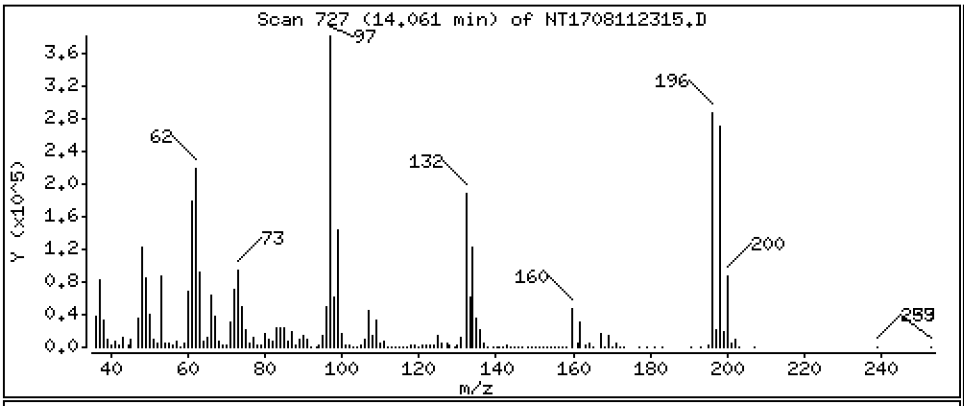
Operator: JGR

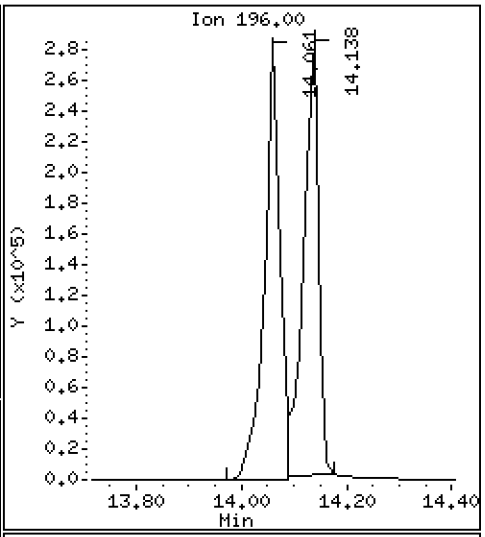
Column phase: ZB-5msi

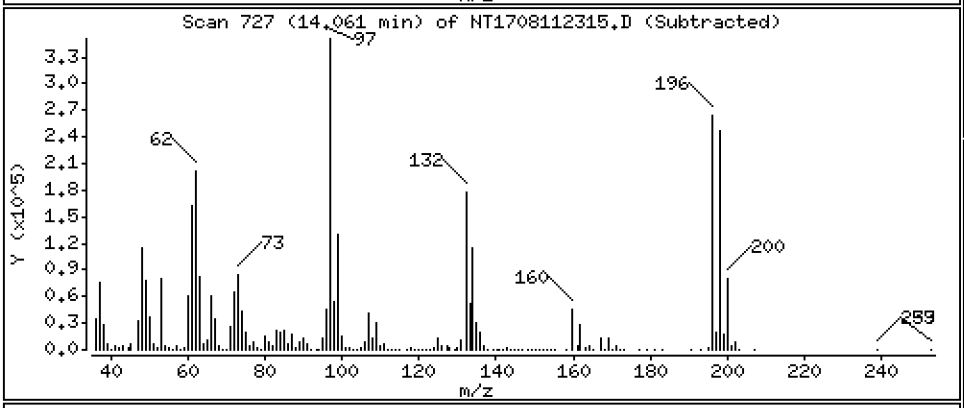
Column diameter: 0.25

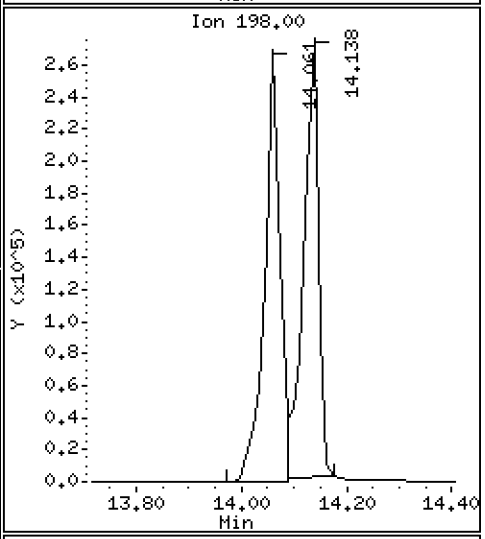
34 2,4,6-Trichlorophenol

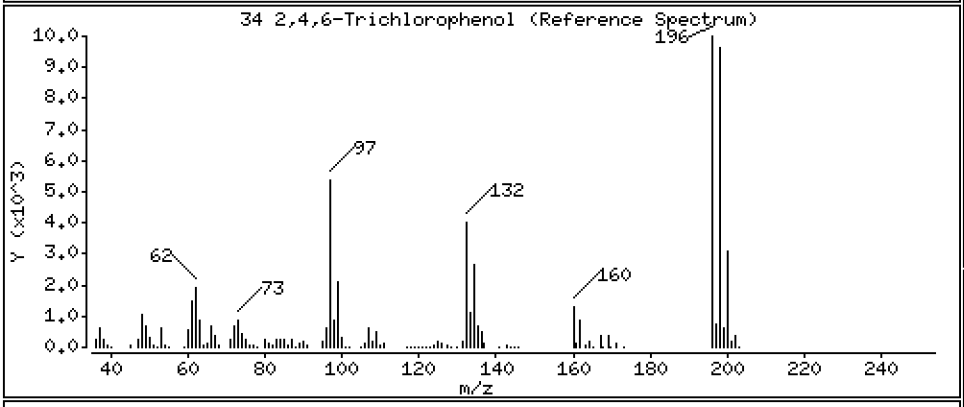
Concentration: 11.40 ug/mL

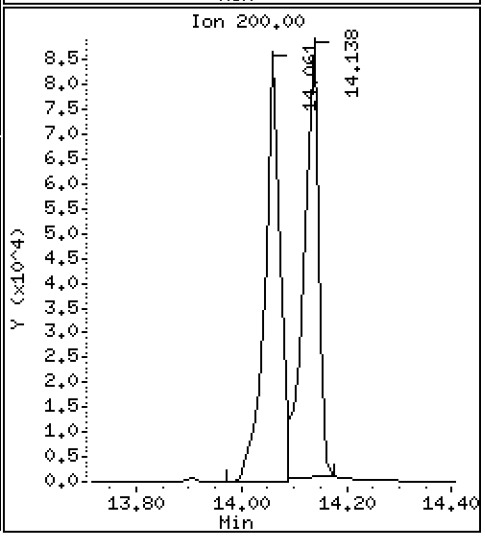


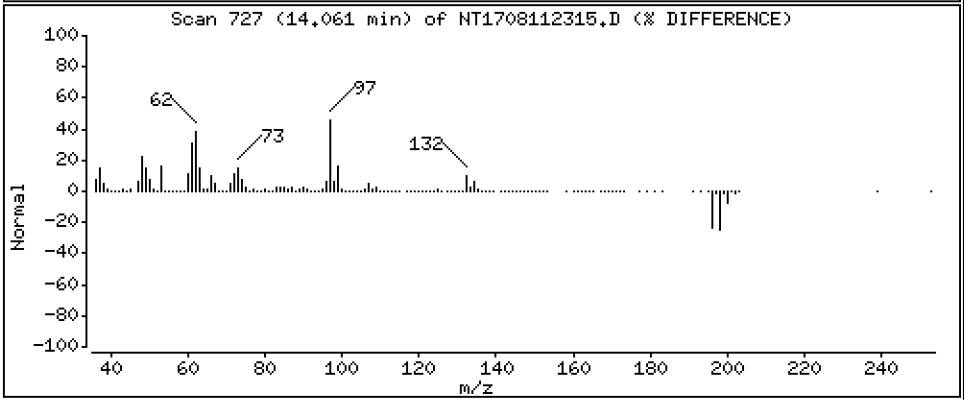












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

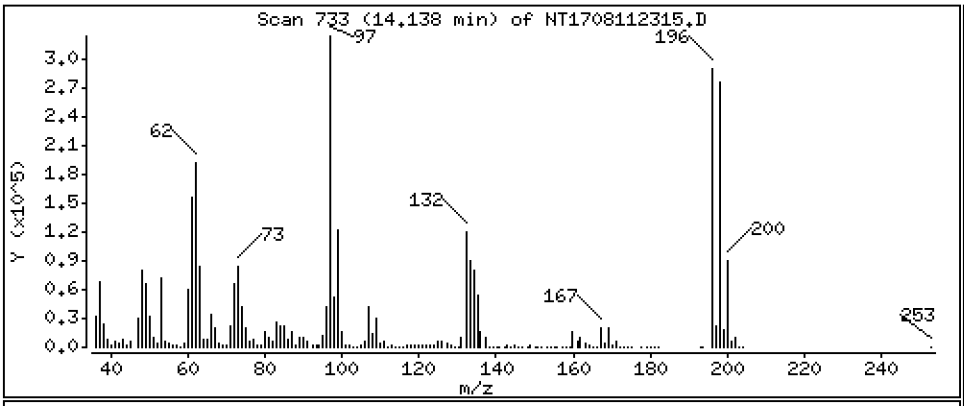
Operator: JGR

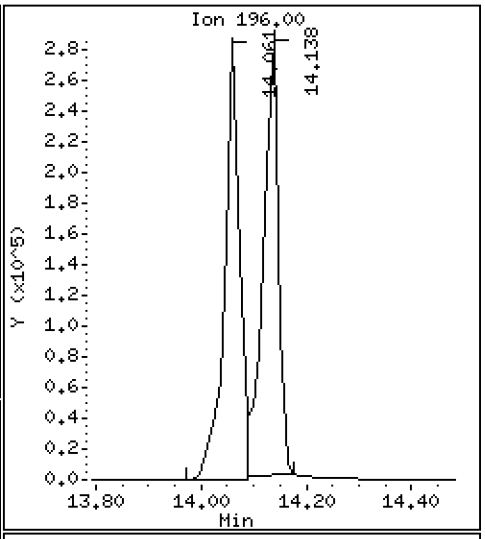
Column phase: ZB-5msi

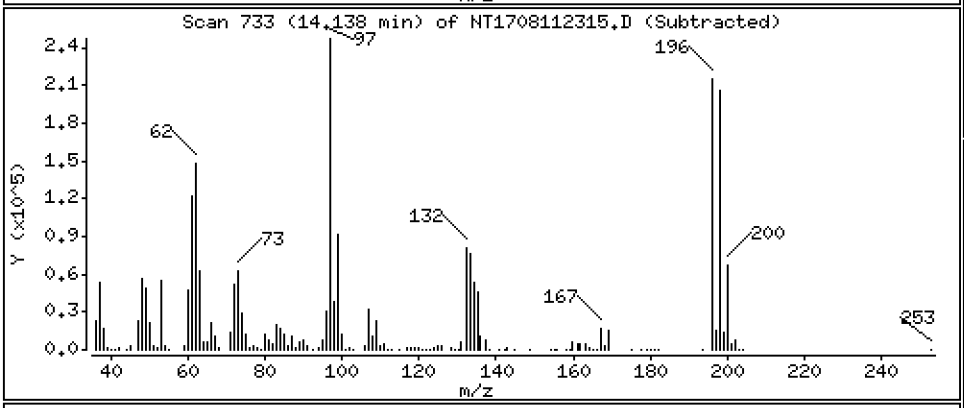
Column diameter: 0.25

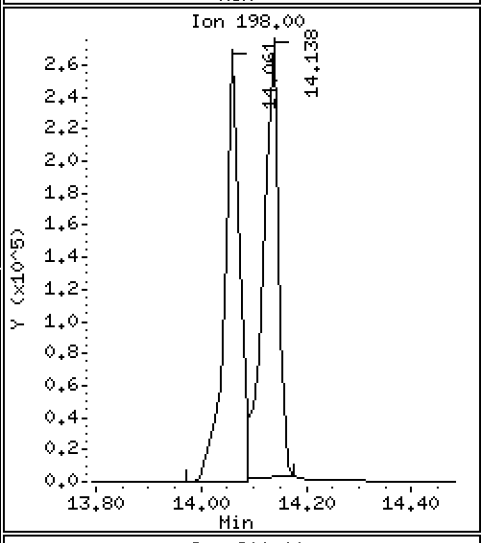
35 2,4,5-Trichlorophenol

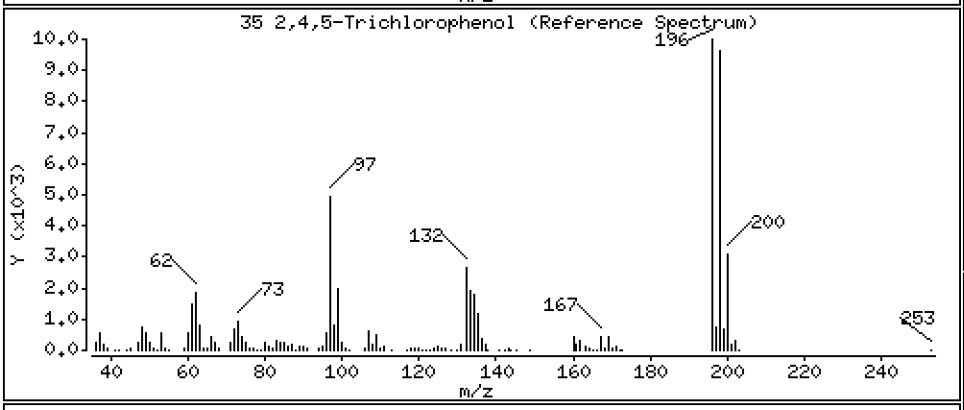
Concentration: 12.62 ug/mL

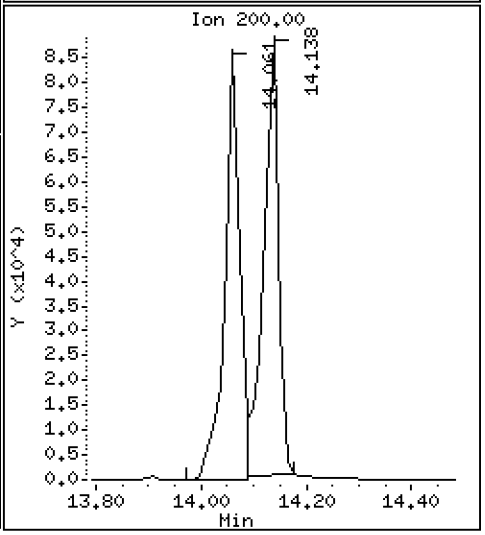


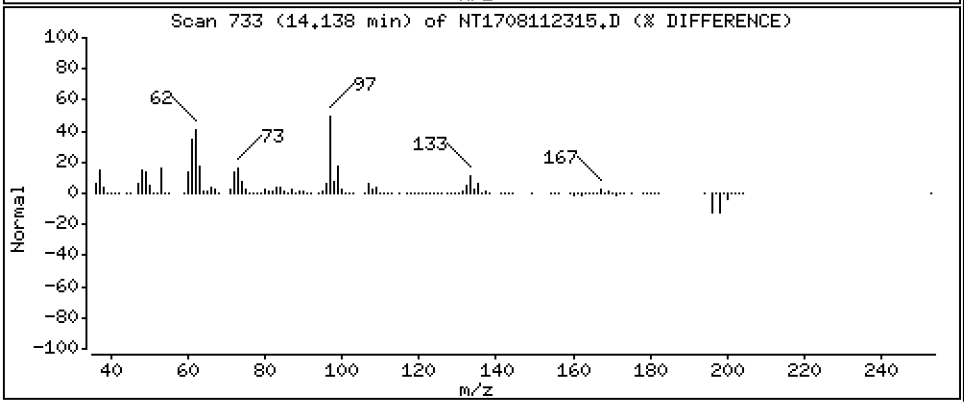












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

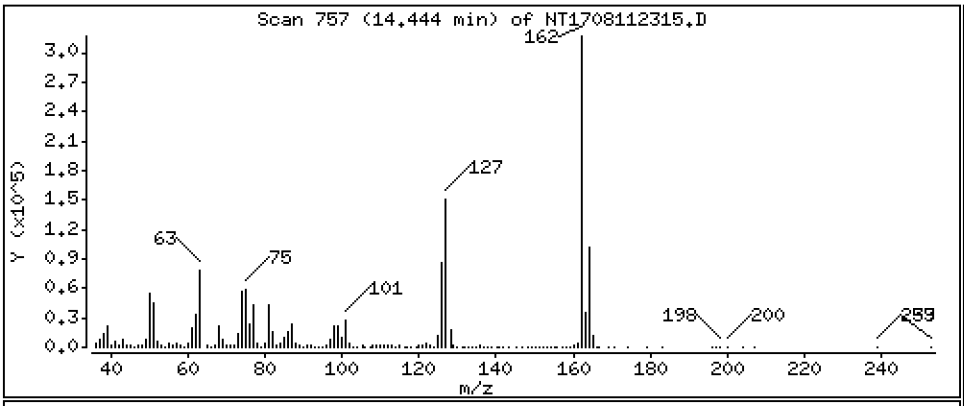
Operator: JGR

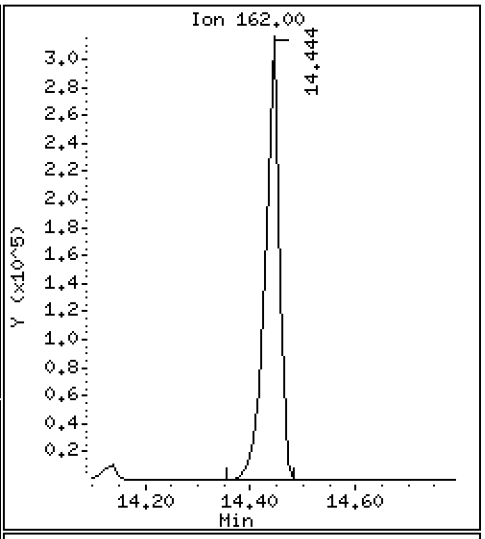
Column phase: ZB-5msi

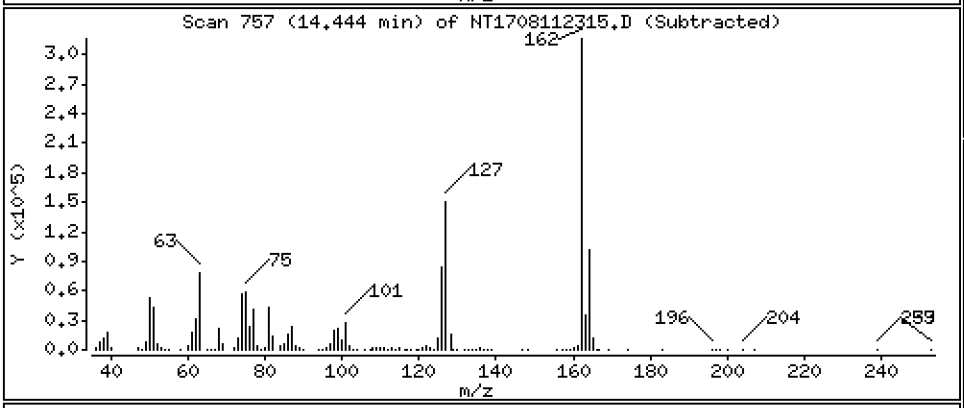
Column diameter: 0.25

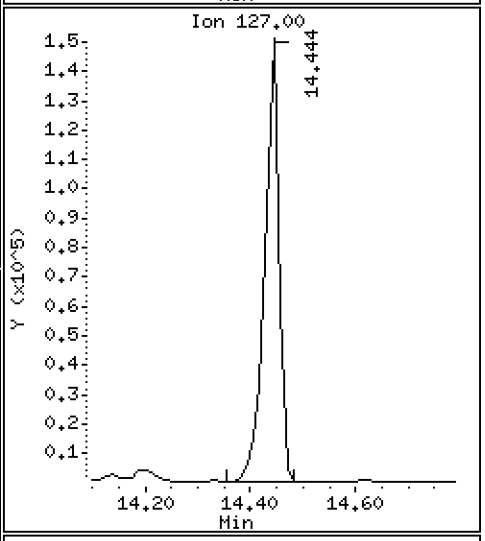
37 2-Chloronaphthalene

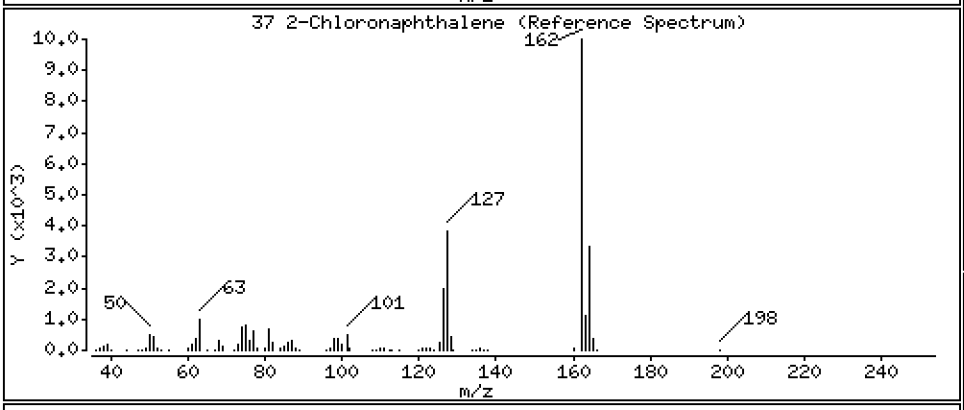
Concentration: 3.594 ug/mL

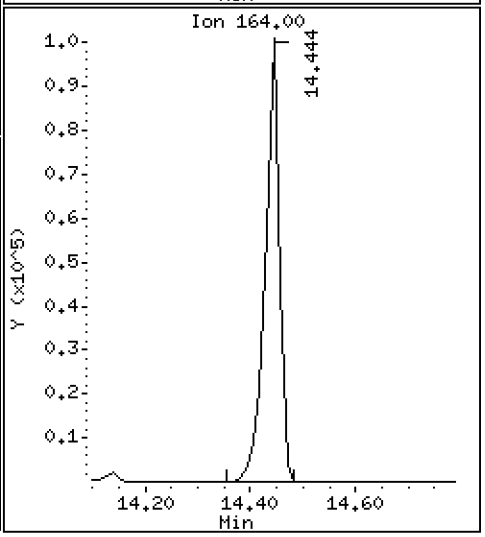


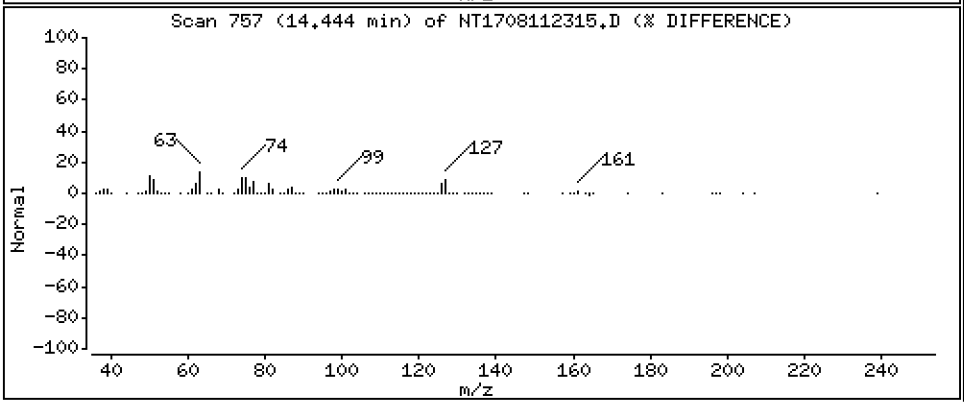












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

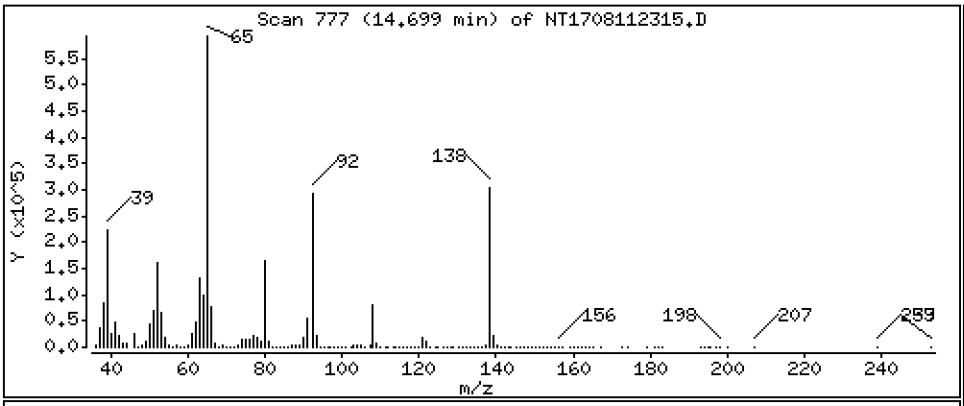
Operator: JGR

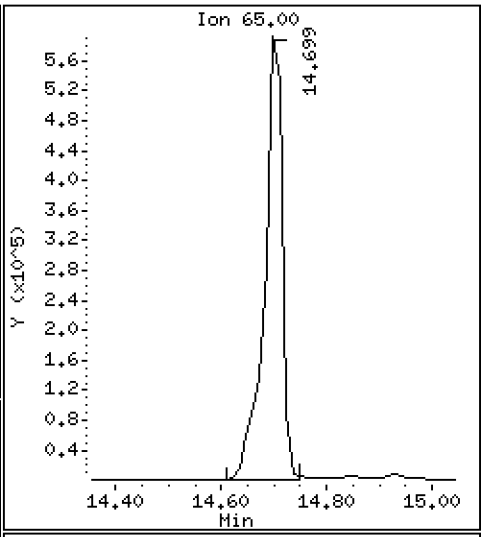
Column phase: ZB-5msi

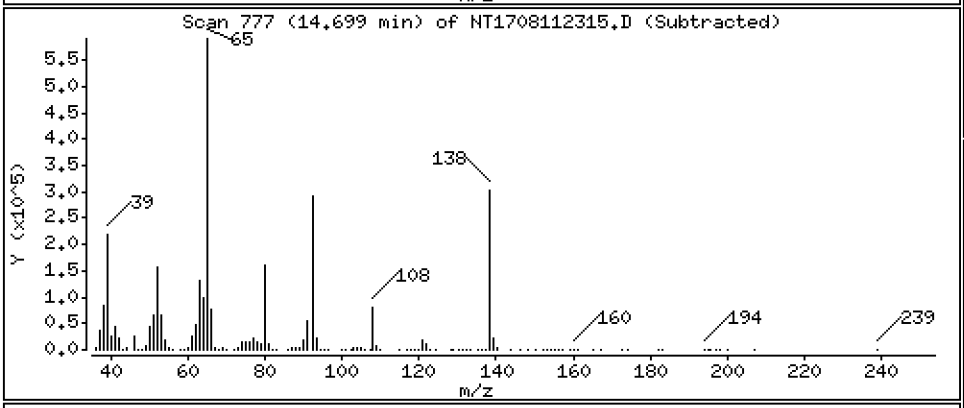
Column diameter: 0.25

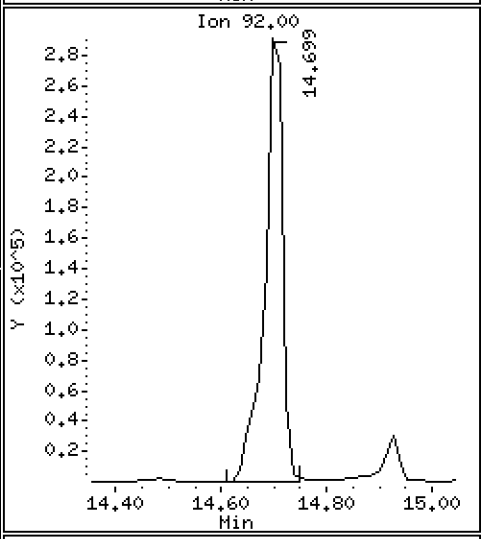
38 2-Nitroaniline

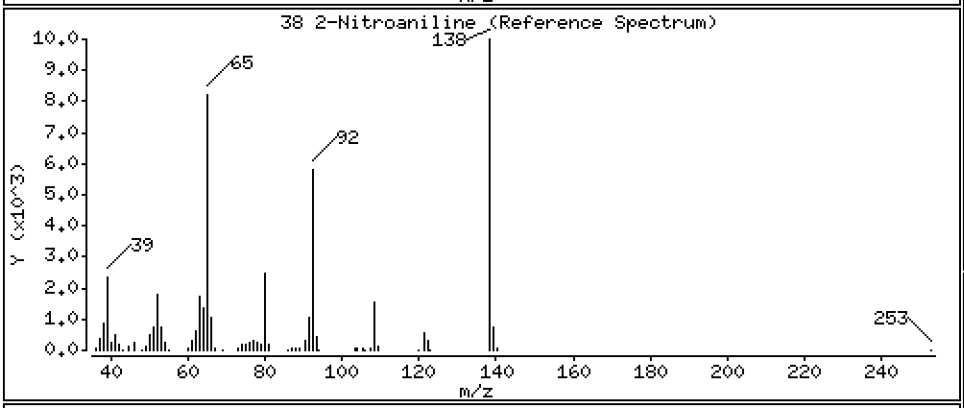
Concentration: 10.81 ug/mL

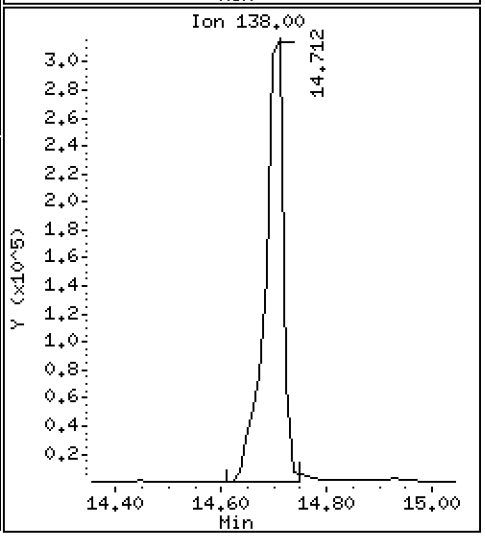


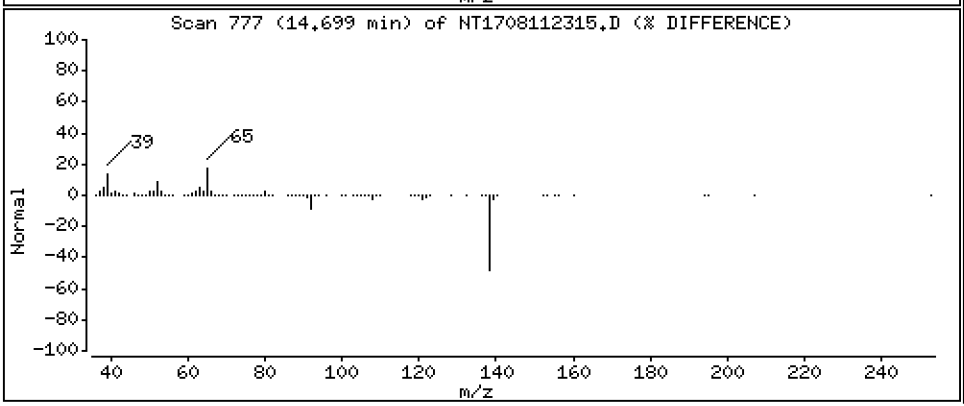












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

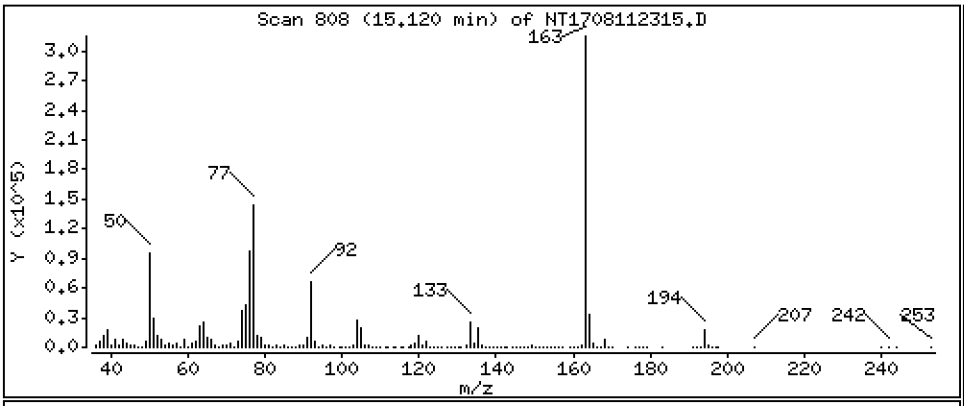
Operator: JGR

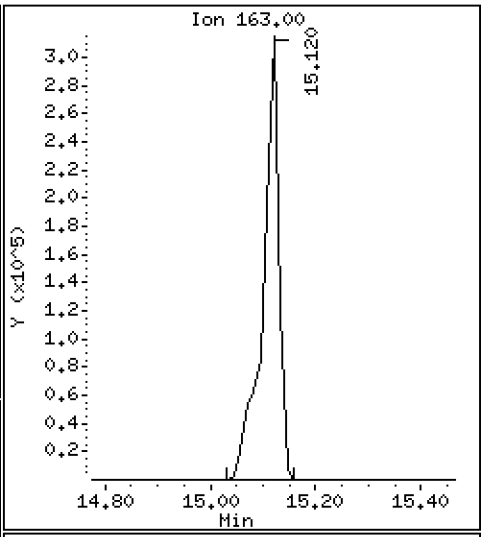
Column phase: ZB-5msi

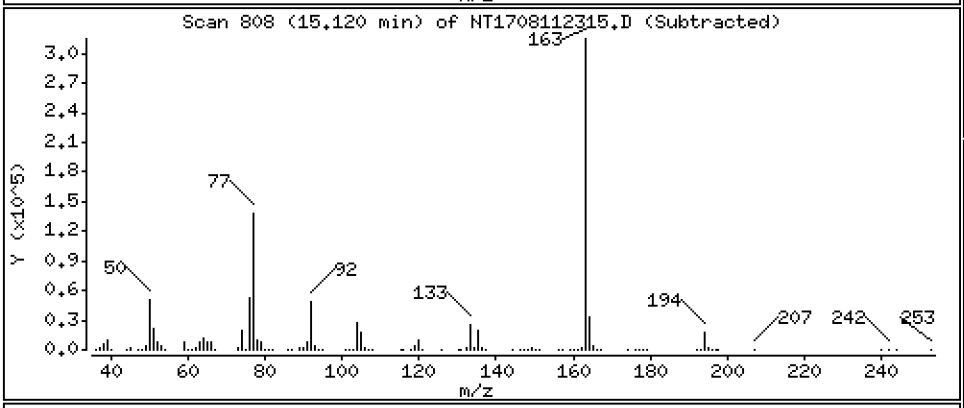
Column diameter: 0.25

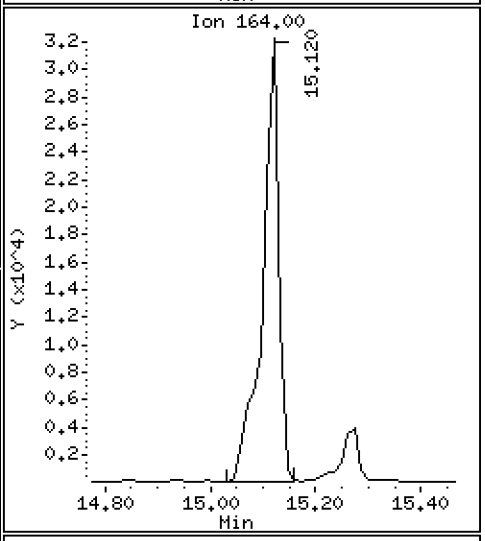
39 Dimethylphthalate

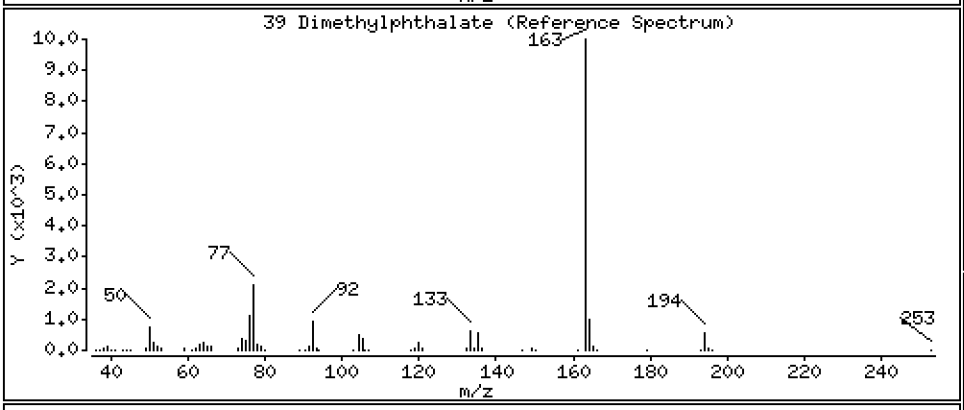
Concentration: 3.962 ug/mL

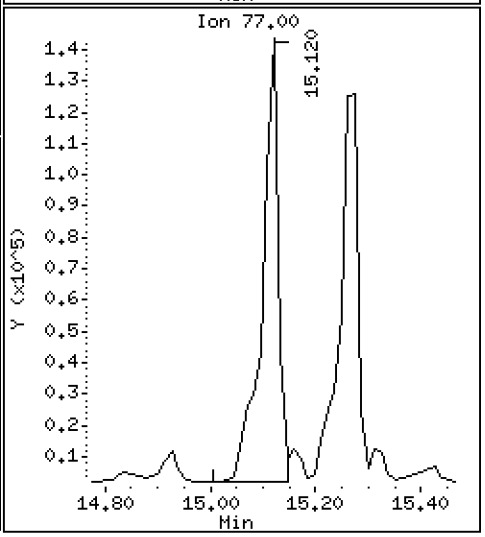


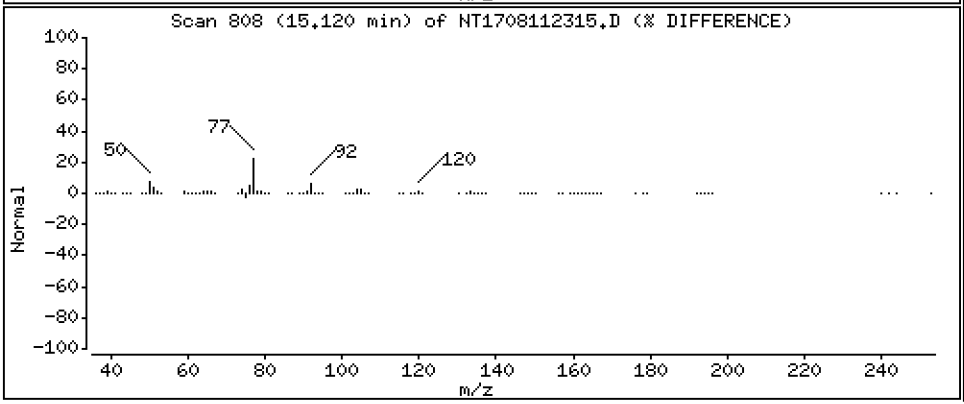












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

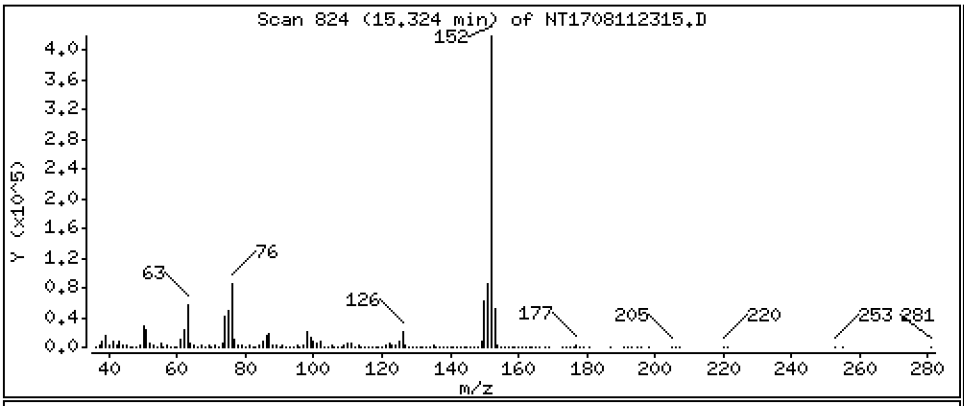
Operator: JGR

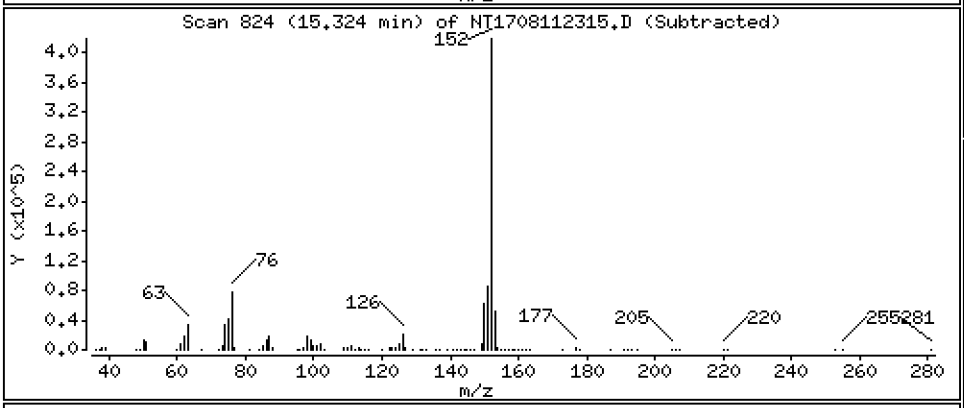
Column phase: ZB-5msi

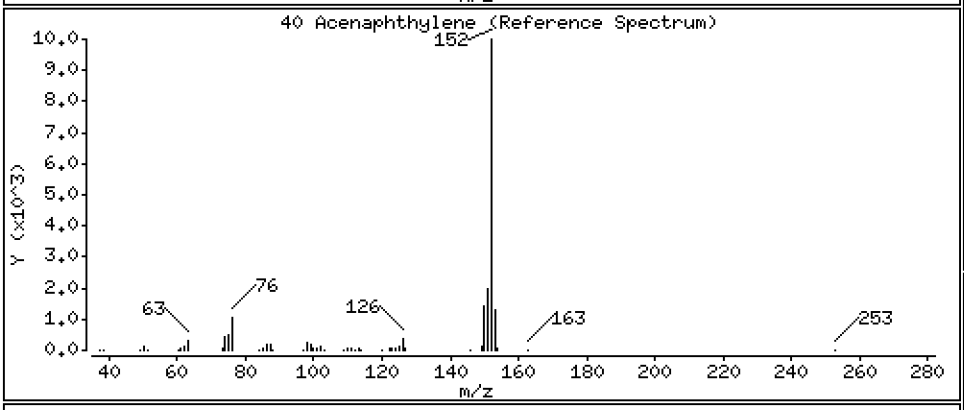
Column diameter: 0.25

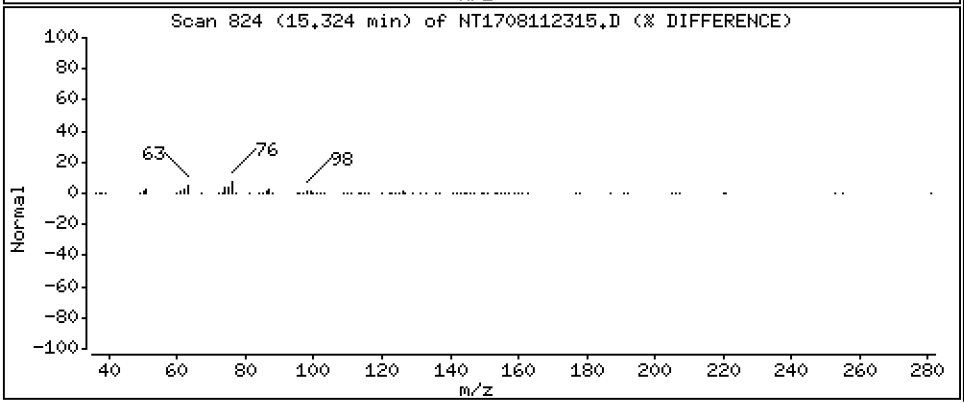
40 Acenaphthylene

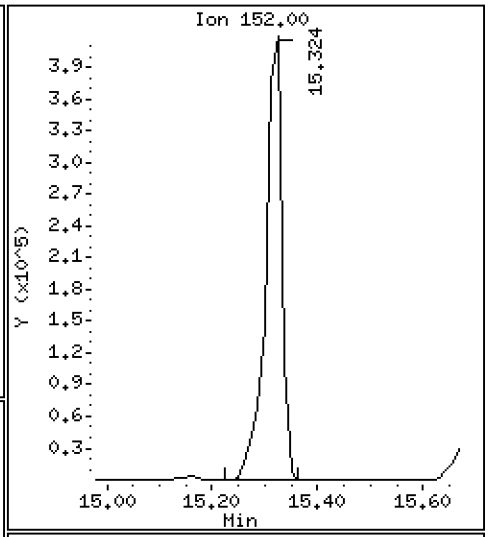
Concentration: 3.699 ug/mL

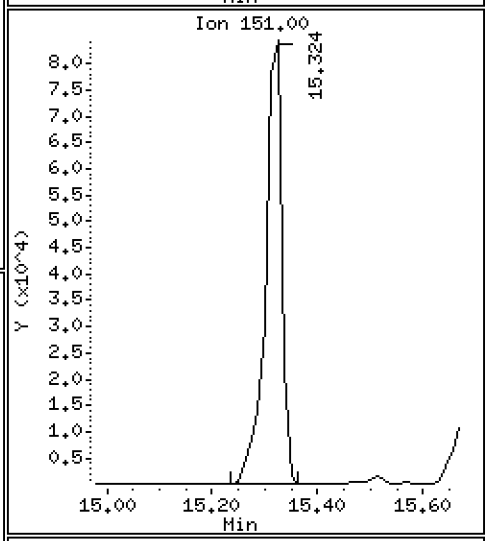


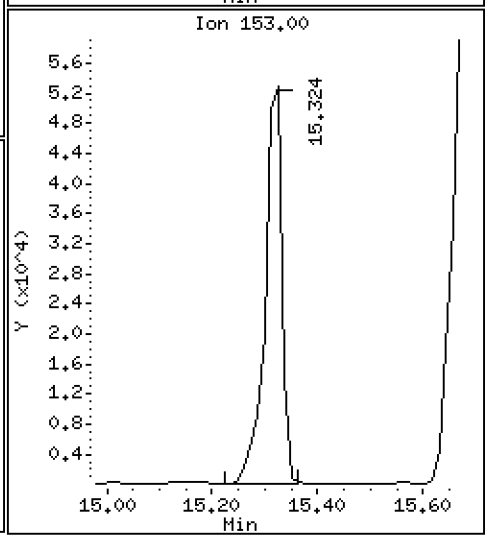












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

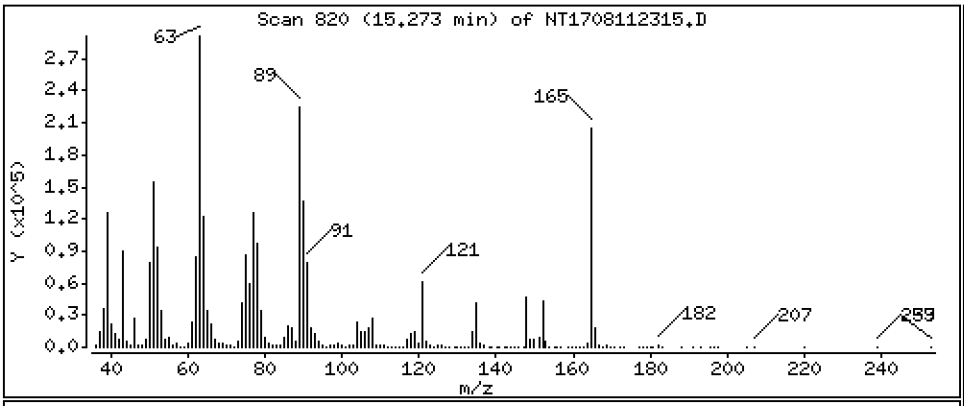
Operator: JGR

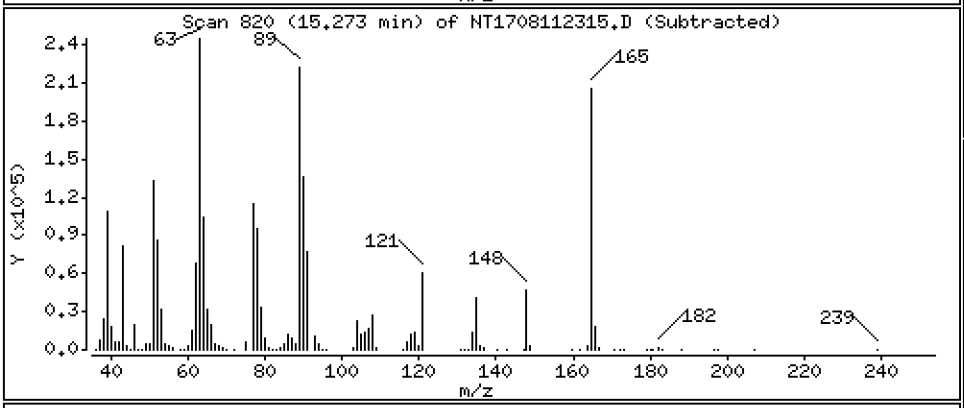
Column phase: ZB-5msi

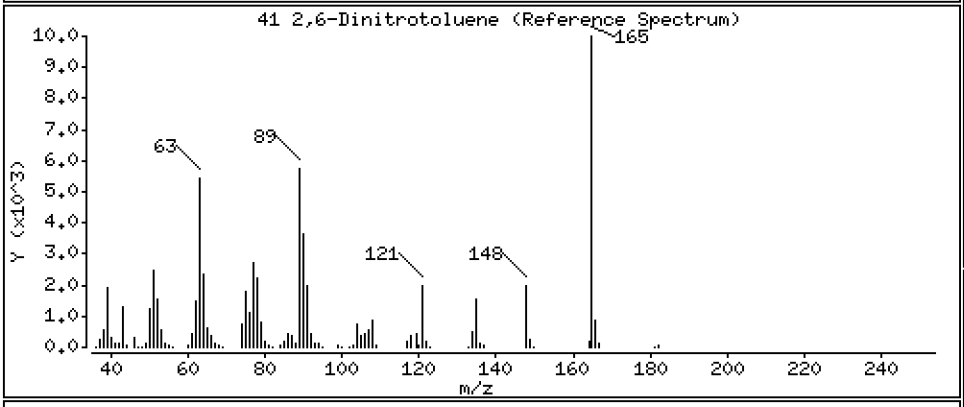
Column diameter: 0.25

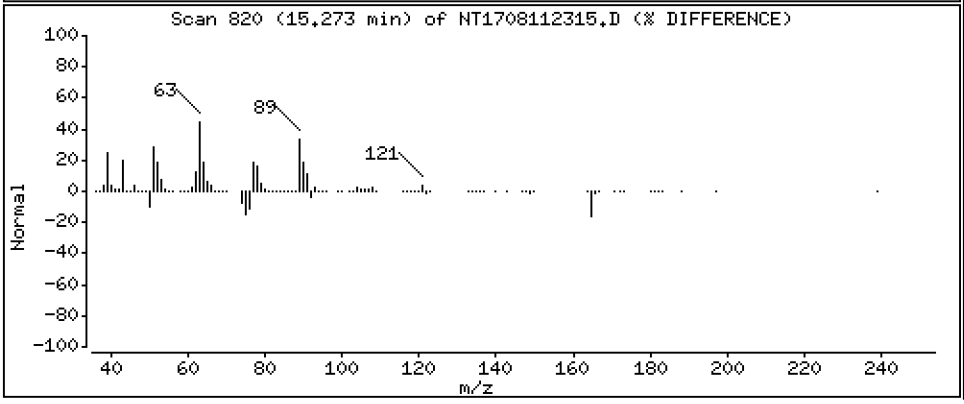
41 2,6-Dinitrotoluene

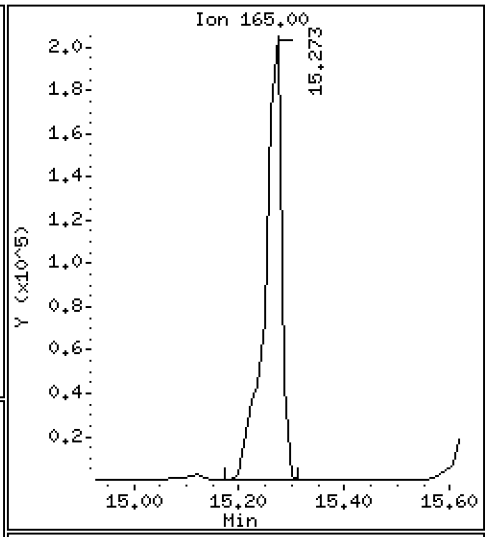
Concentration: 12.57 ug/mL

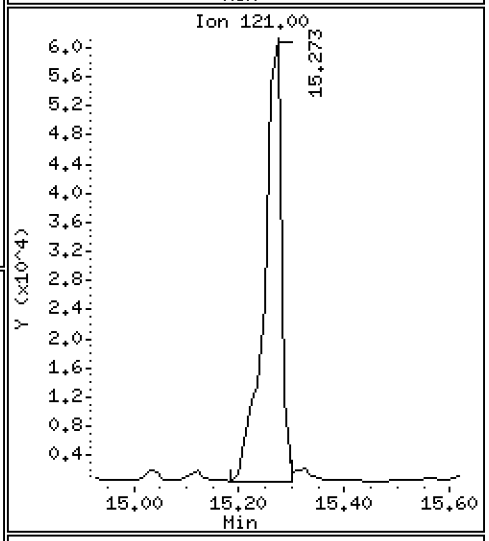


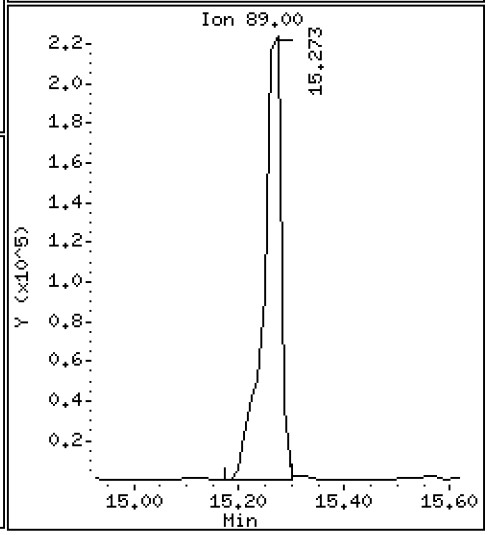












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

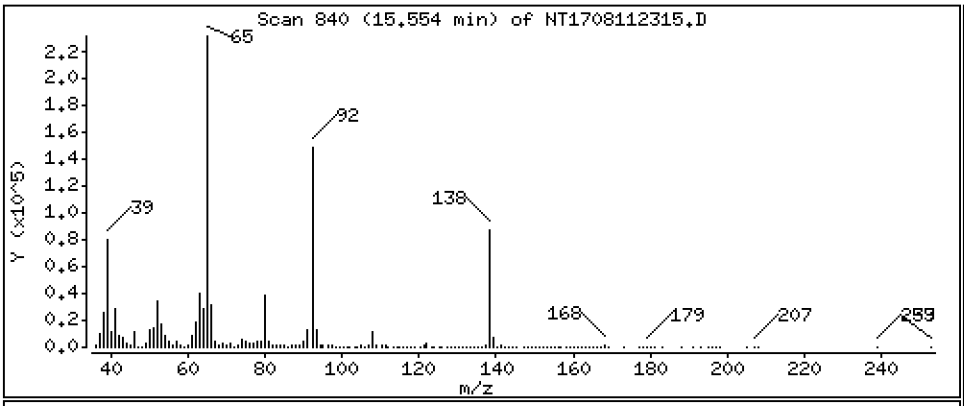
Operator: JGR

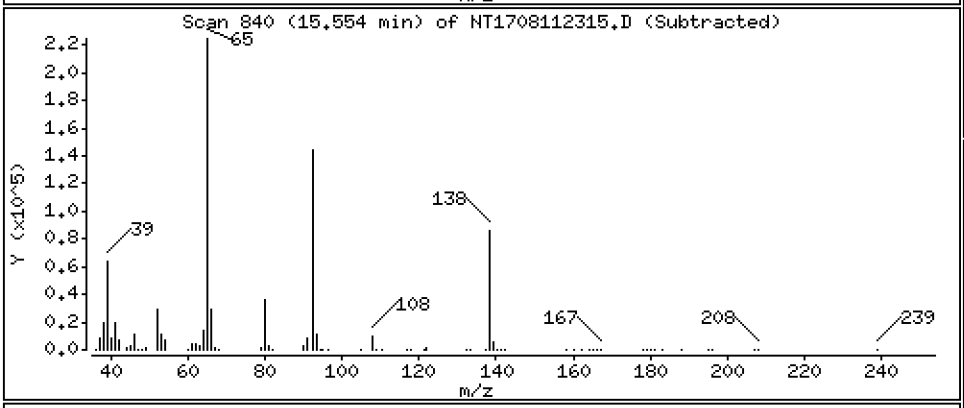
Column phase: ZB-5msi

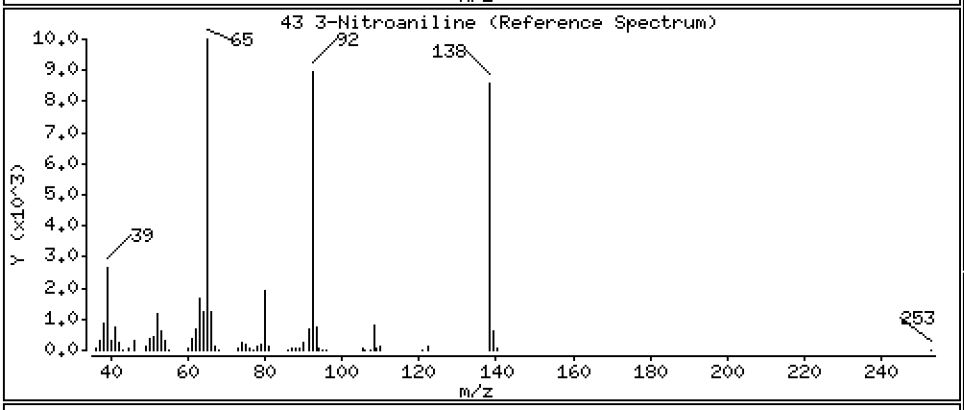
Column diameter: 0.25

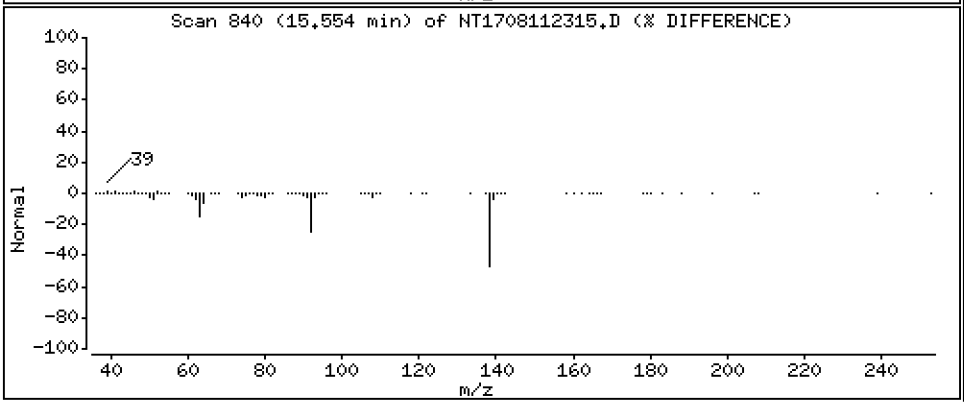
43 3-Nitroaniline

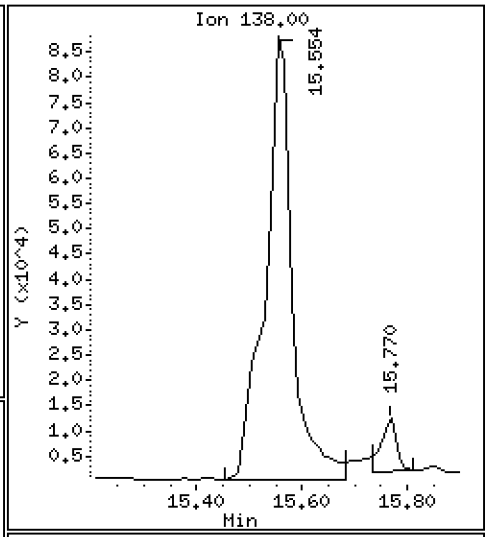
Concentration: 5.298 ug/mL

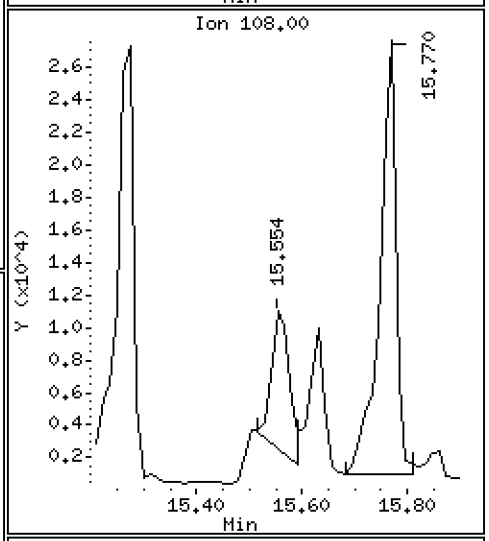


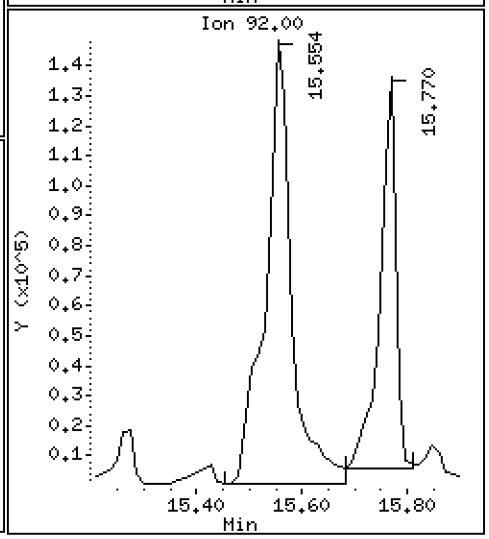












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

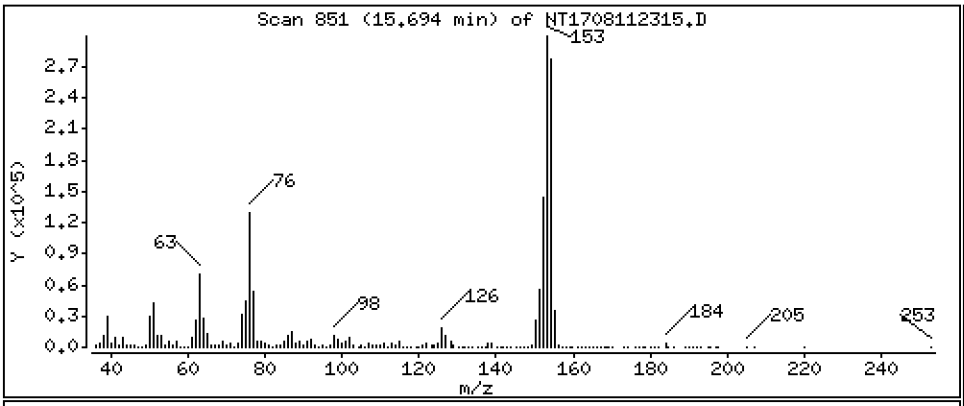
Operator: JGR

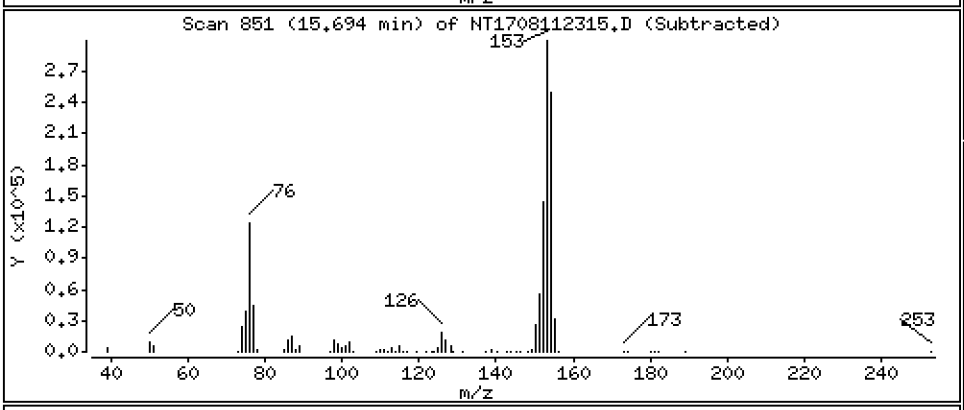
Column phase: ZB-5msi

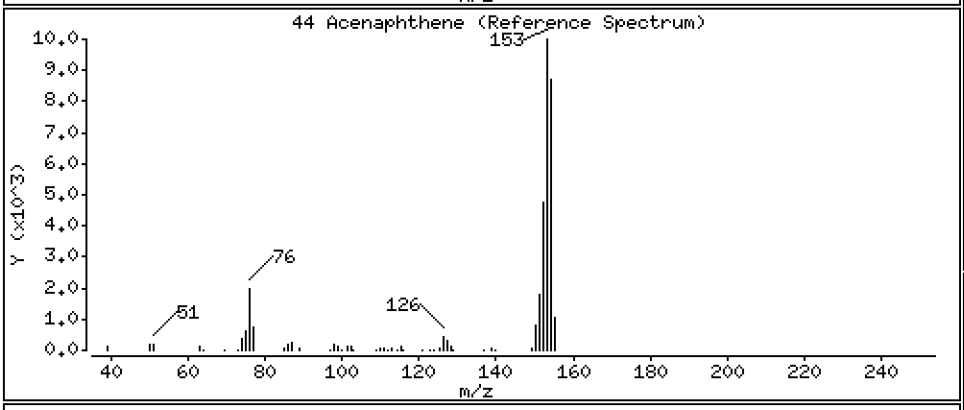
Column diameter: 0.25

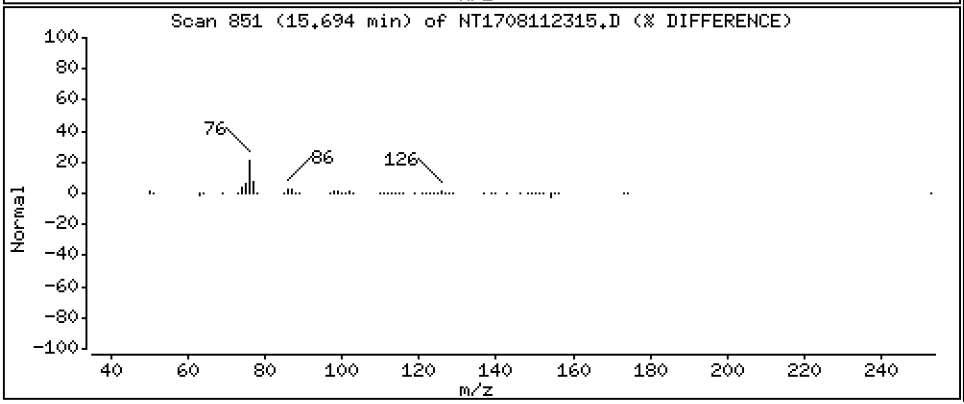
44 Acenaphthene

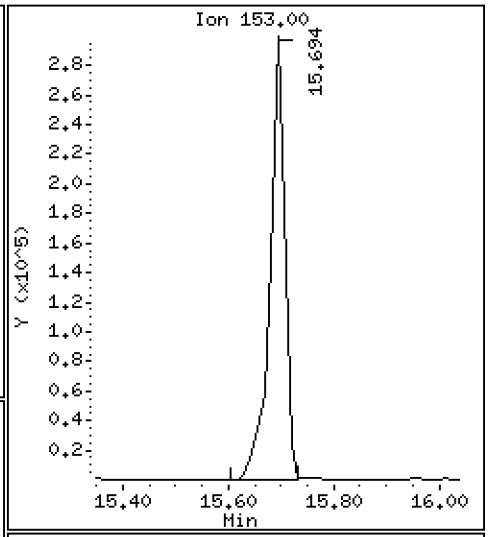
Concentration: 3.817 ug/mL

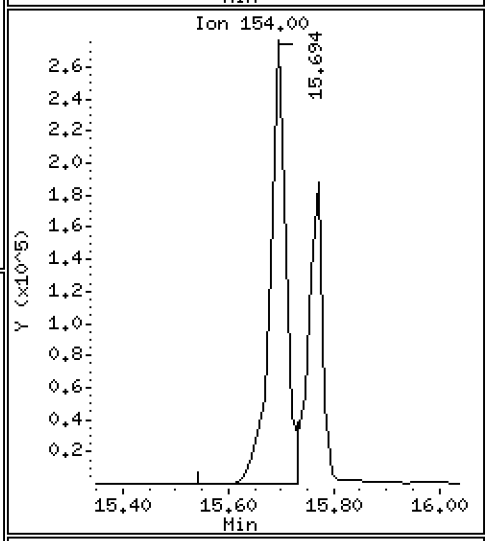


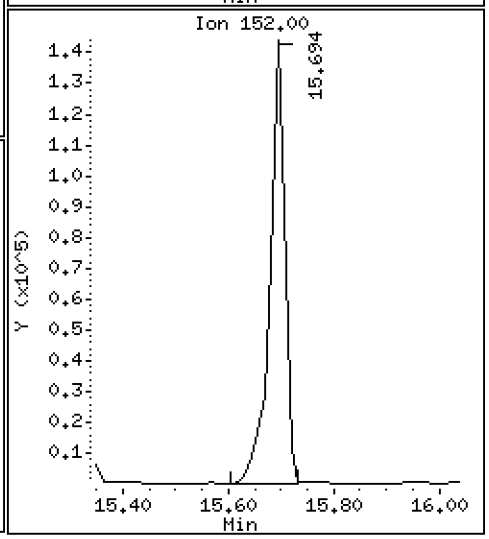












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

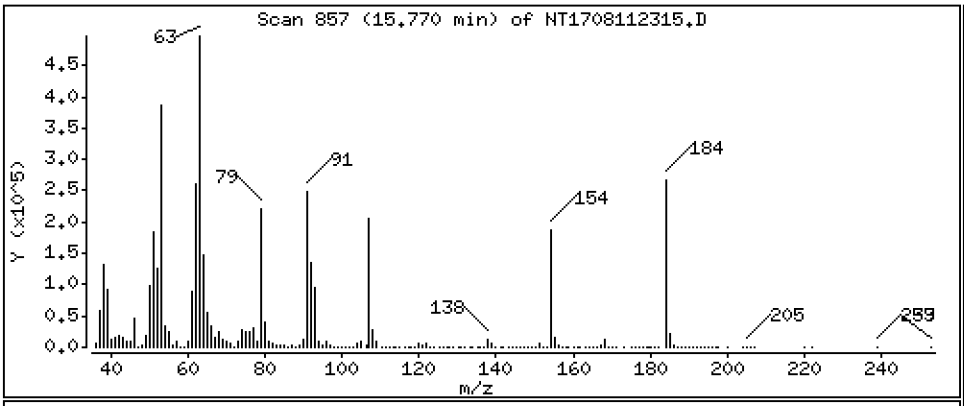
Operator: JGR

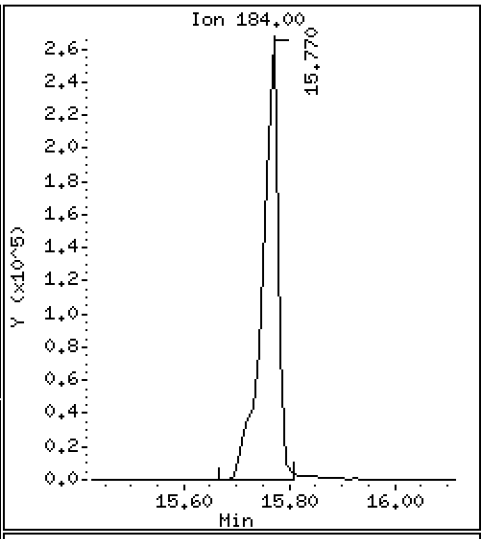
Column phase: ZB-5msi

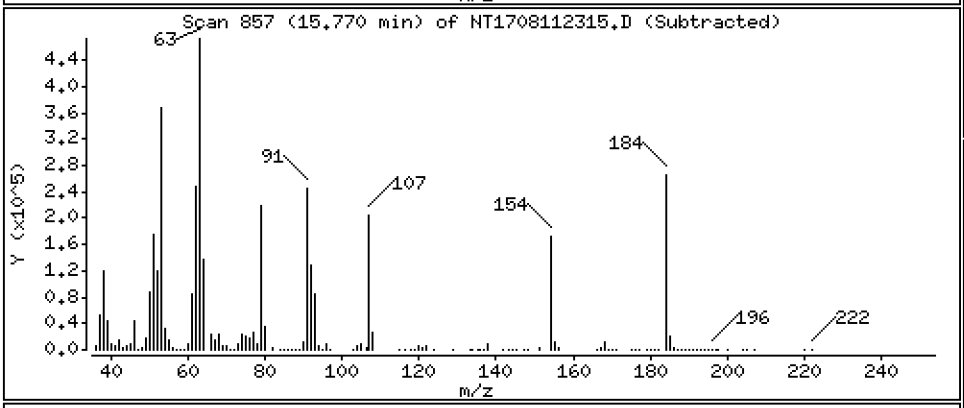
Column diameter: 0.25

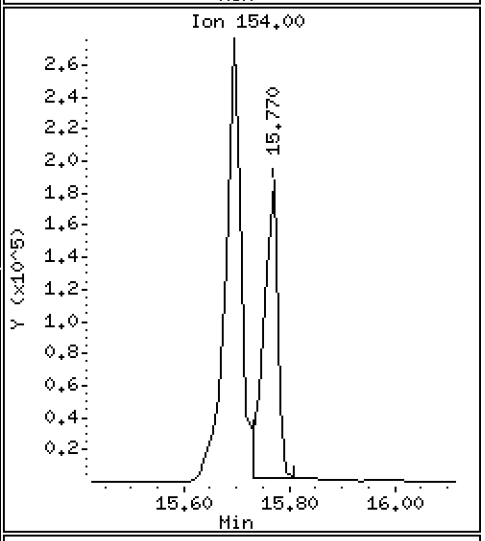
45 2,4-Dinitrophenol

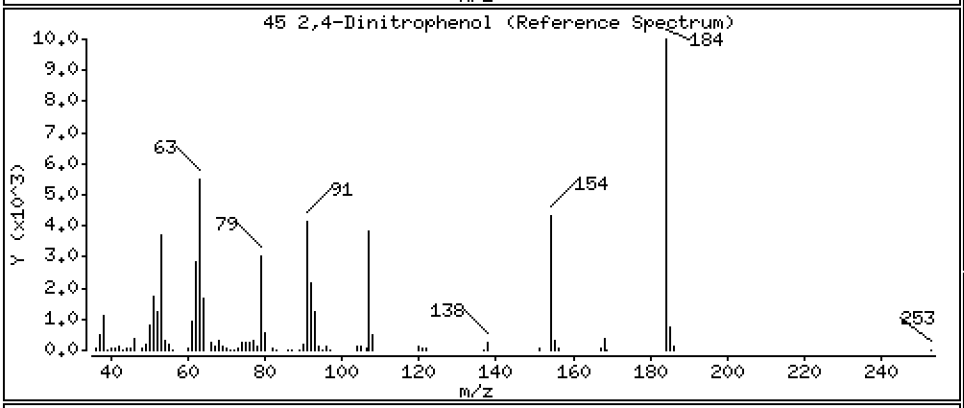
Concentration: 24.45 ug/mL

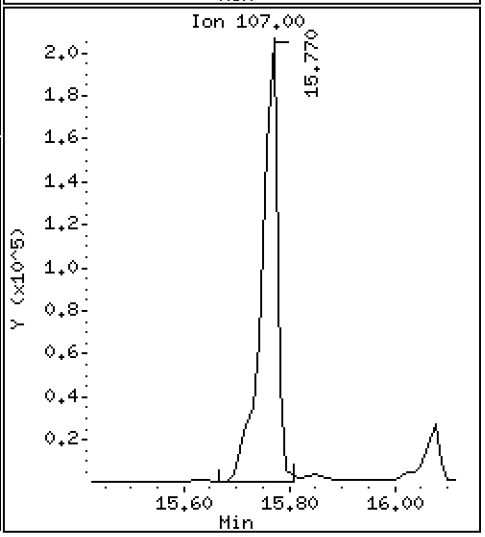


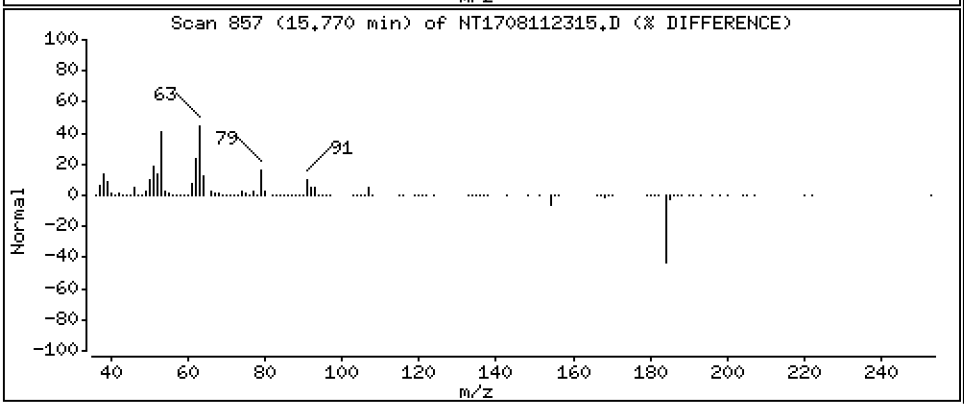












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

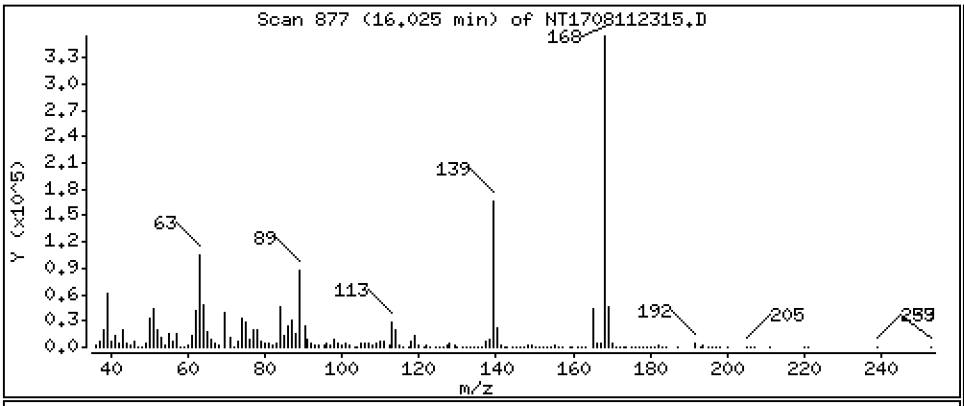
Operator: JGR

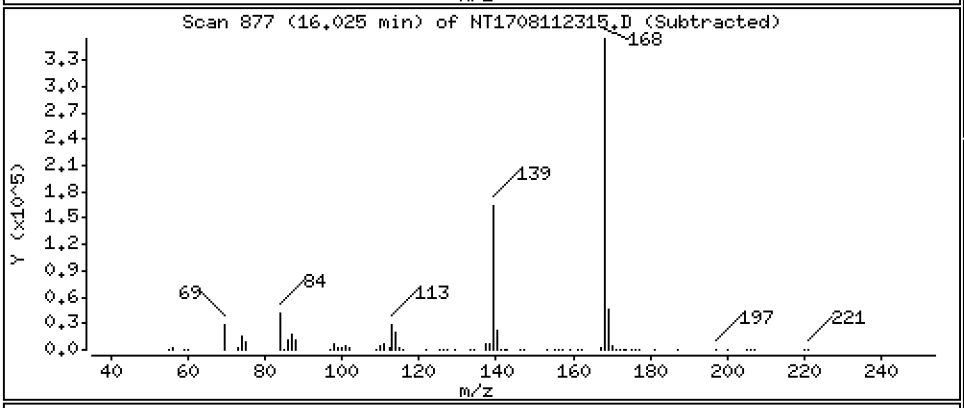
Column phase: ZB-5msi

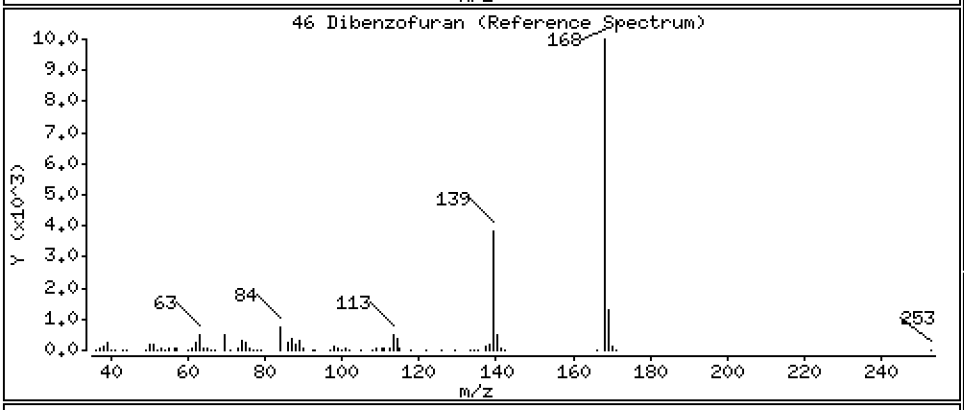
Column diameter: 0.25

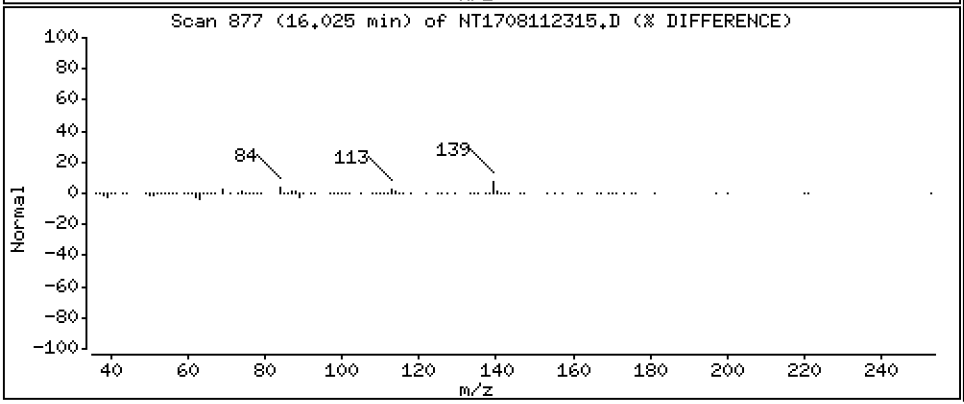
46 Dibenzofuran

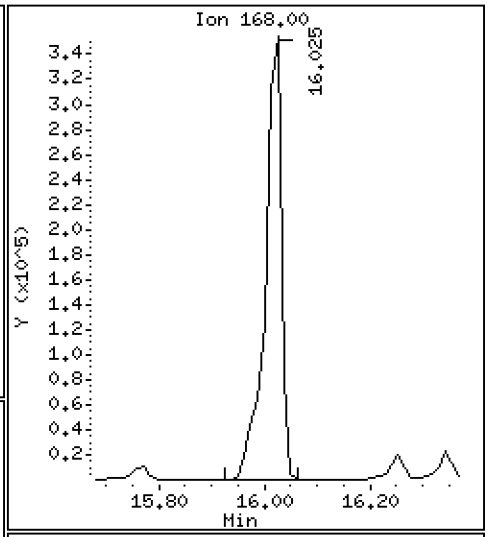
Concentration: 3.658 ug/mL

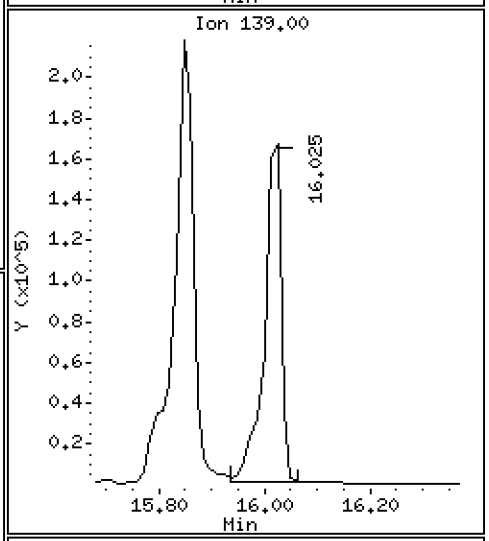


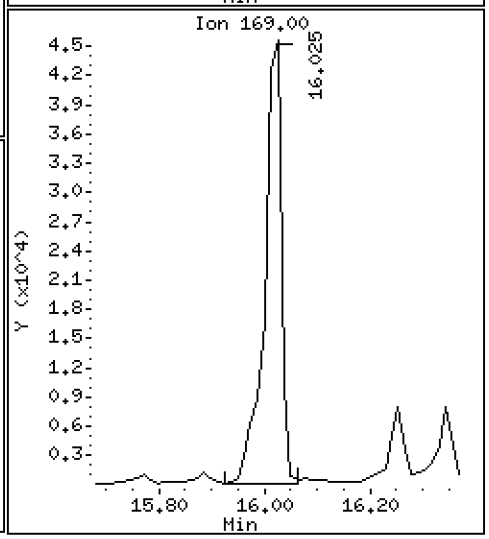












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

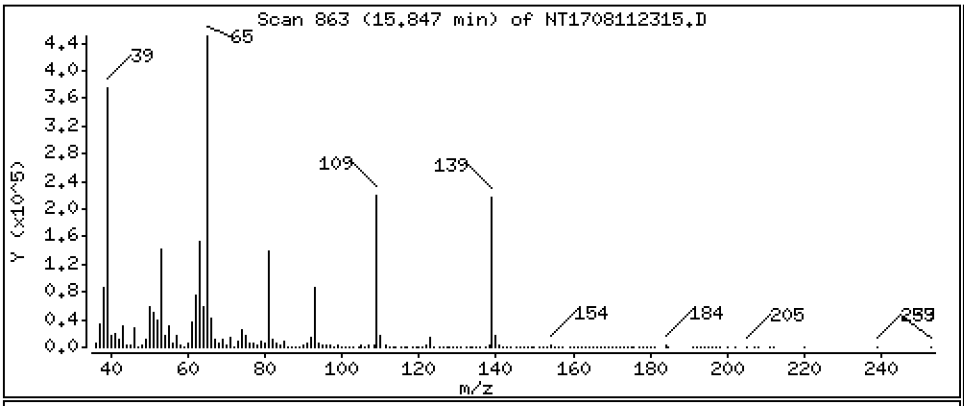
Operator: JGR

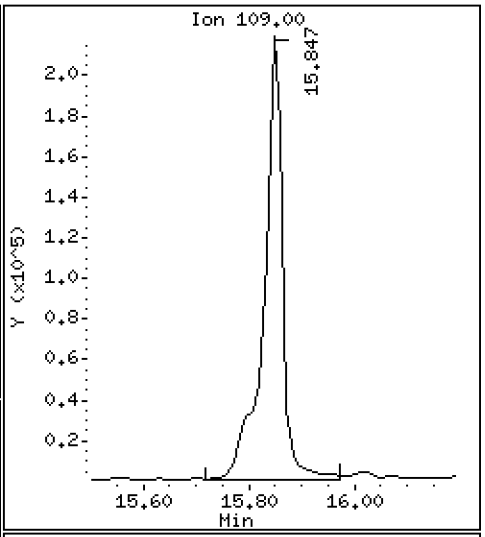
Column phase: ZB-5msi

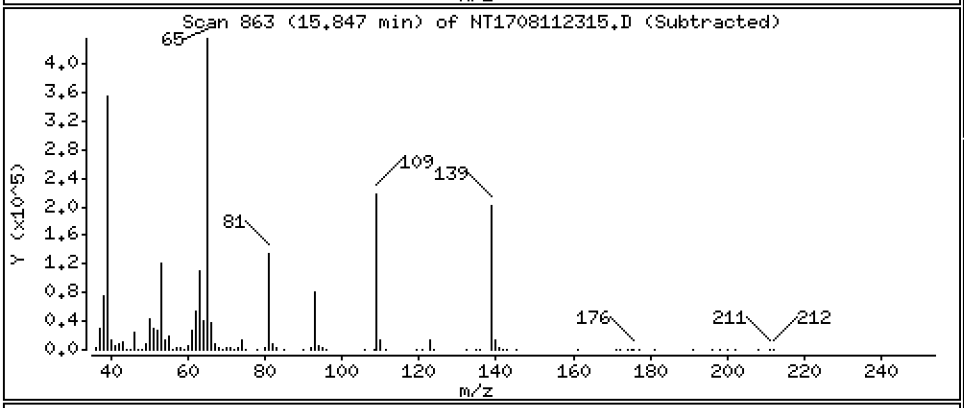
Column diameter: 0.25

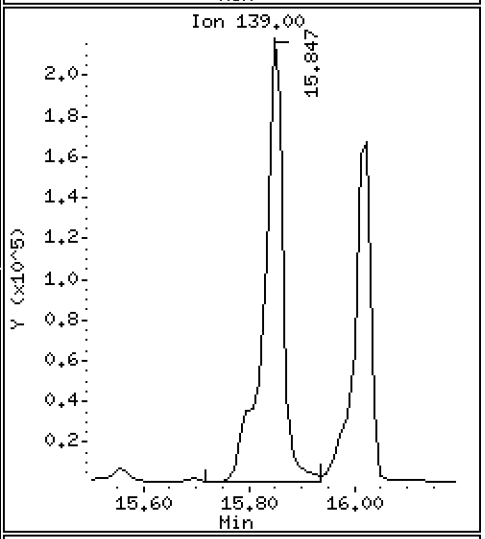
47 4-Nitrophenol

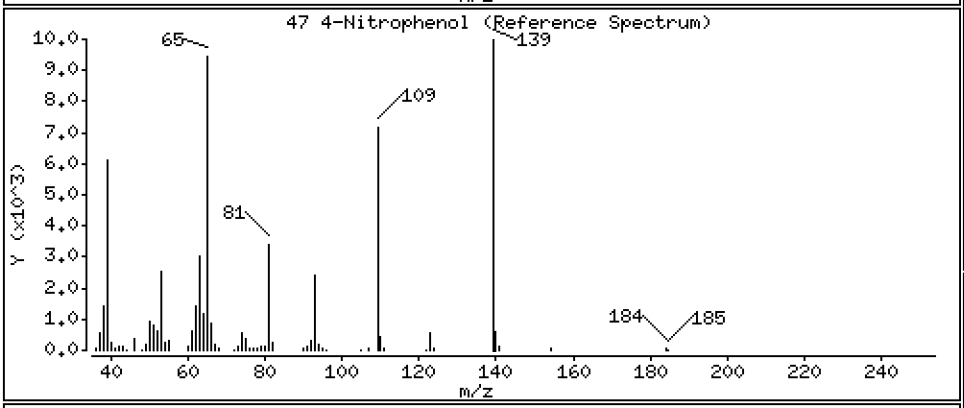
Concentration: 12.98 ug/mL

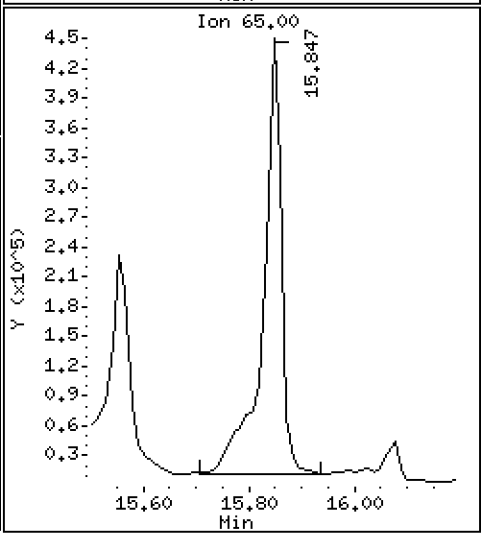


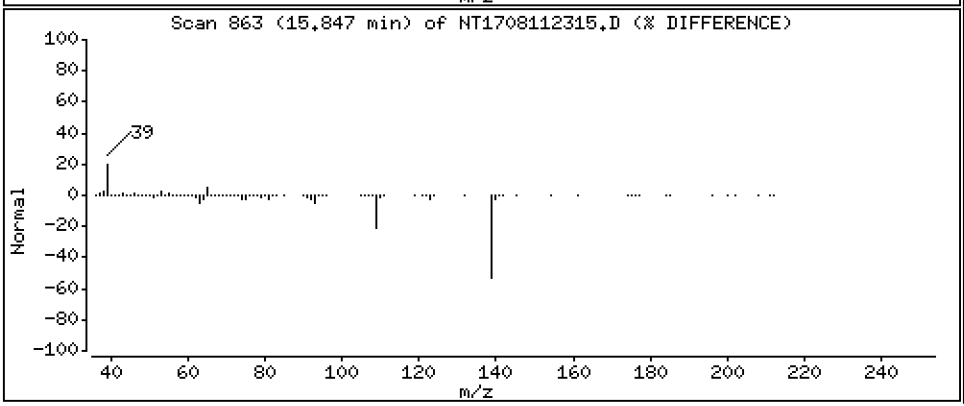












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

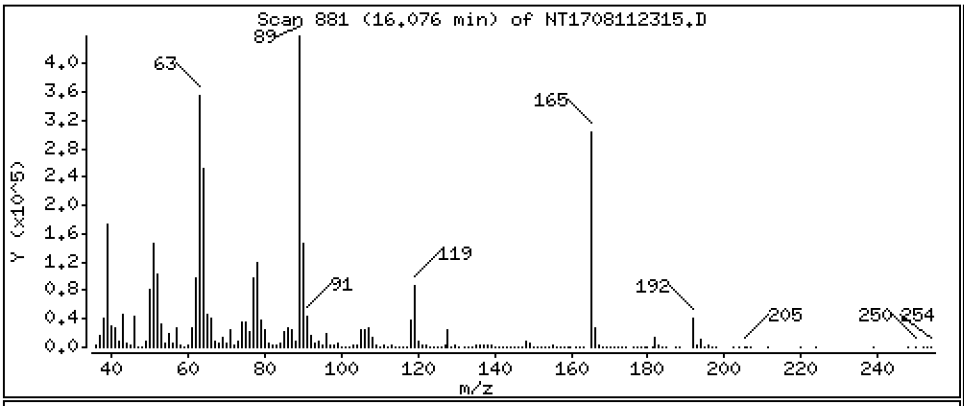
Operator: JGR

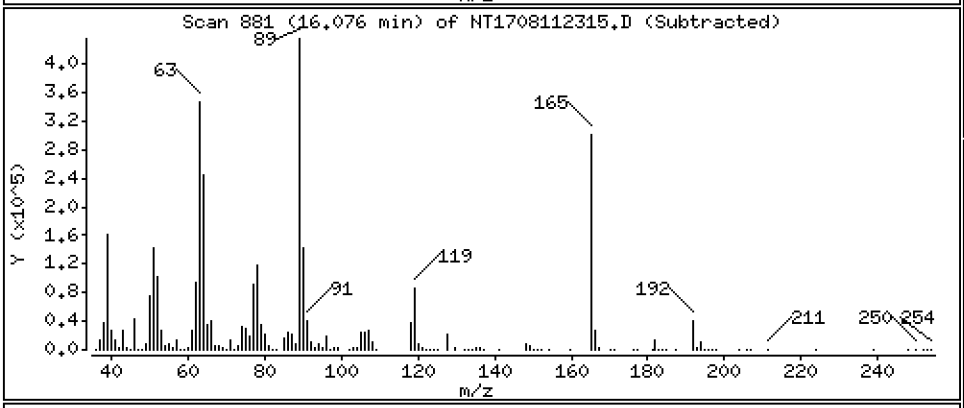
Column phase: ZB-5msi

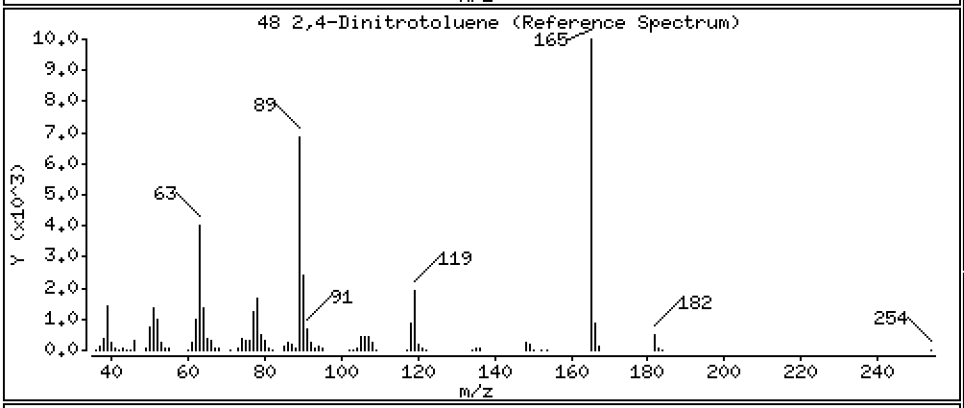
Column diameter: 0.25

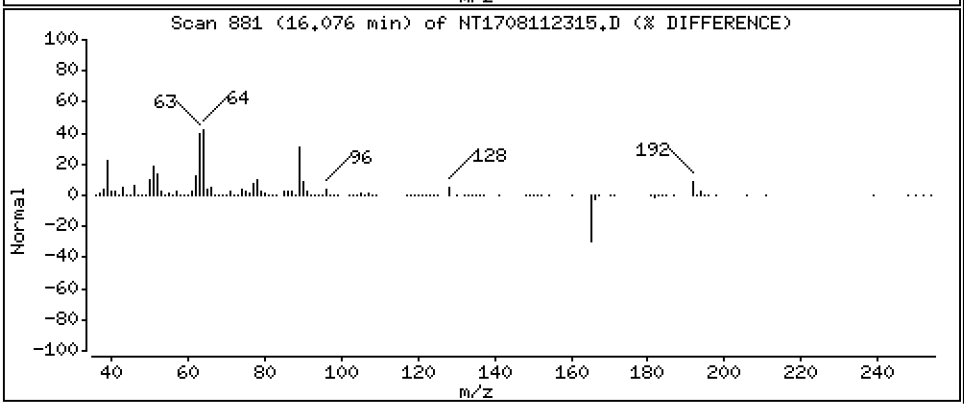
48 2,4-Dinitrotoluene

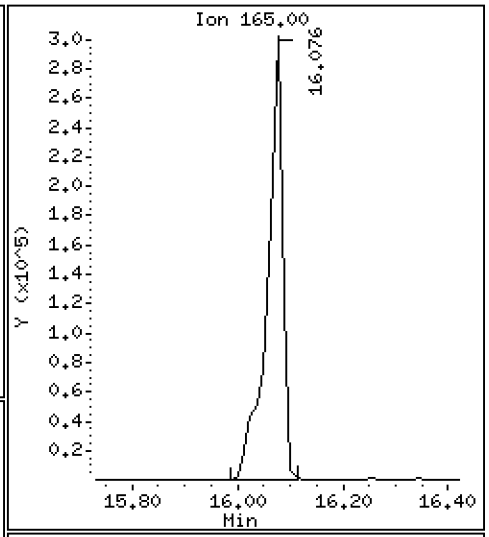
Concentration: 10.65 ug/mL

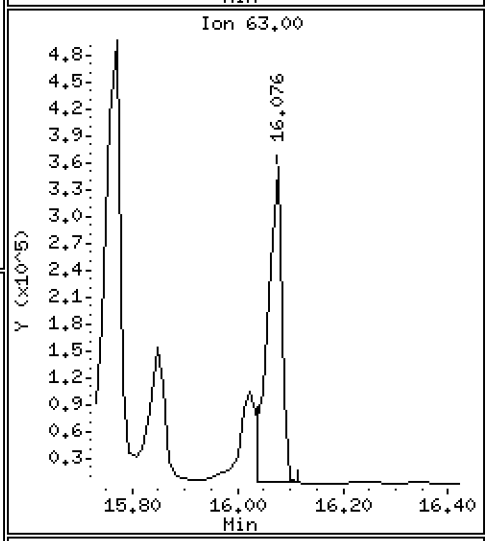


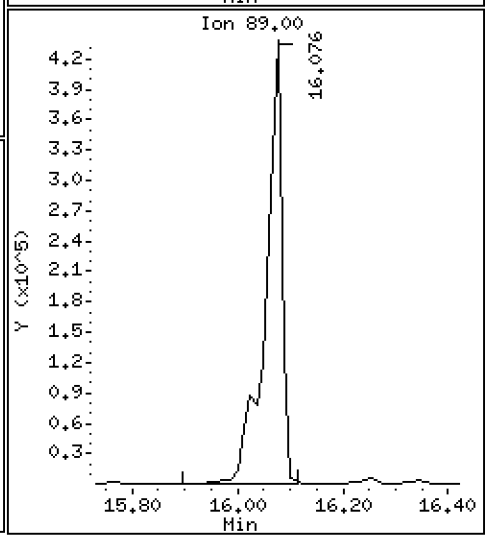












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

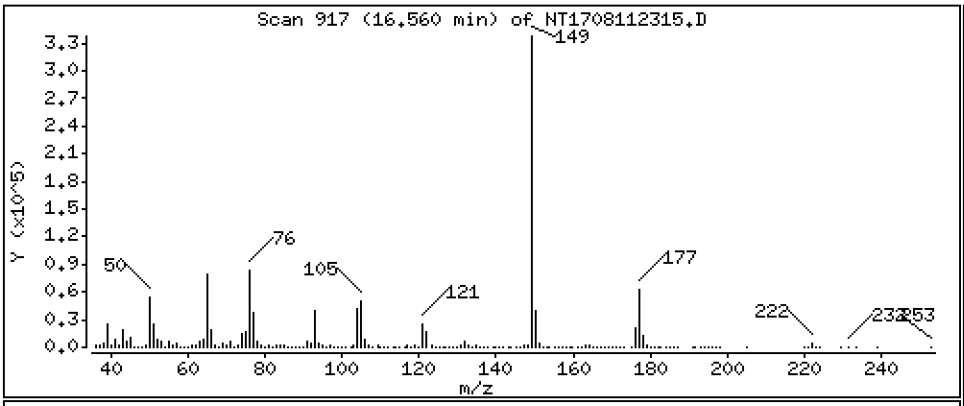
Operator: JGR

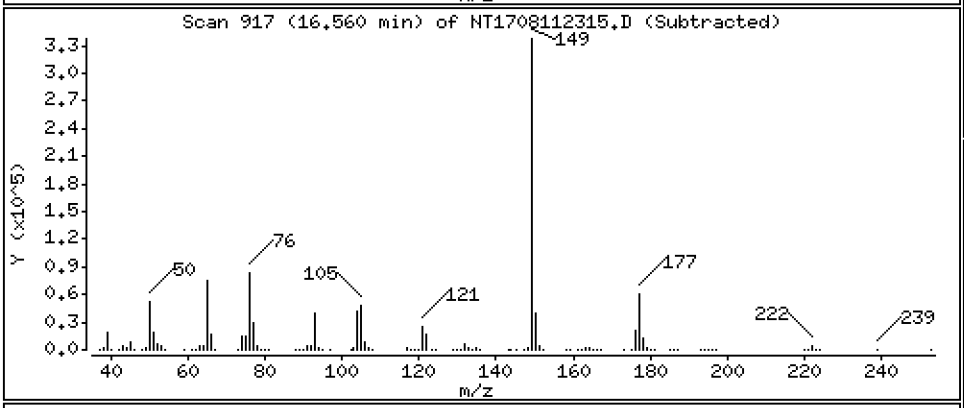
Column phase: ZB-5msi

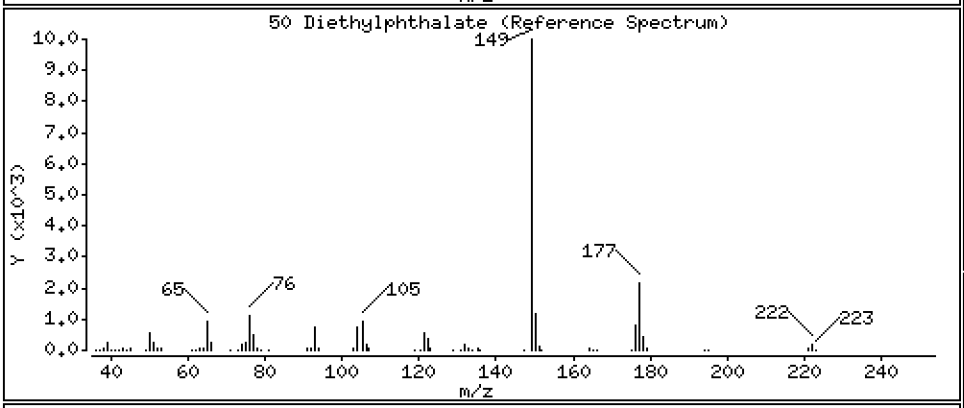
Column diameter: 0.25

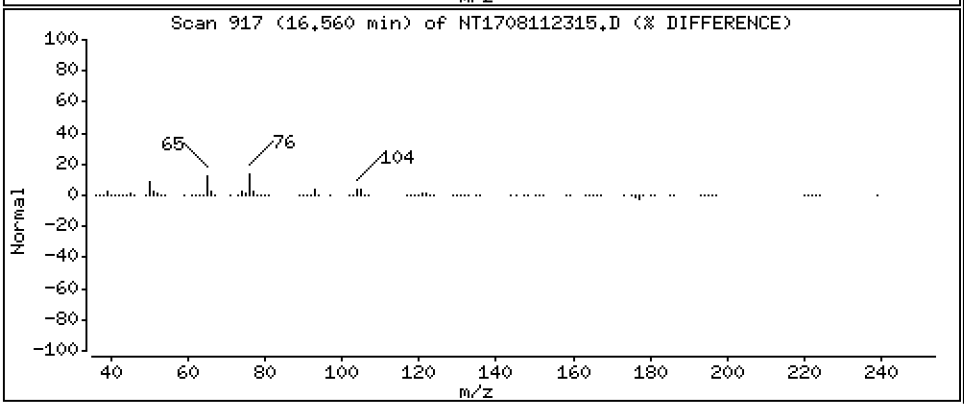
50 Diethylphthalate

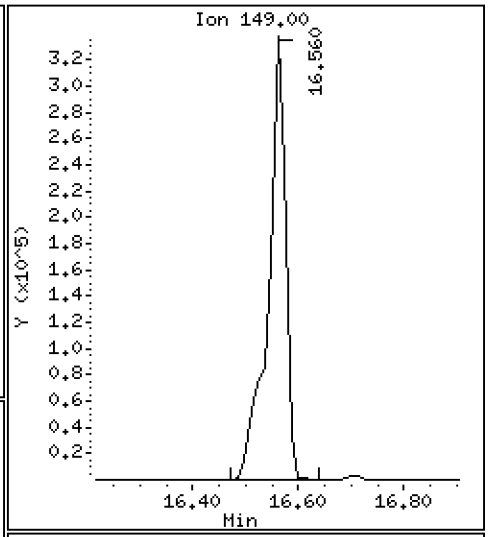
Concentration: 4.253 ug/mL

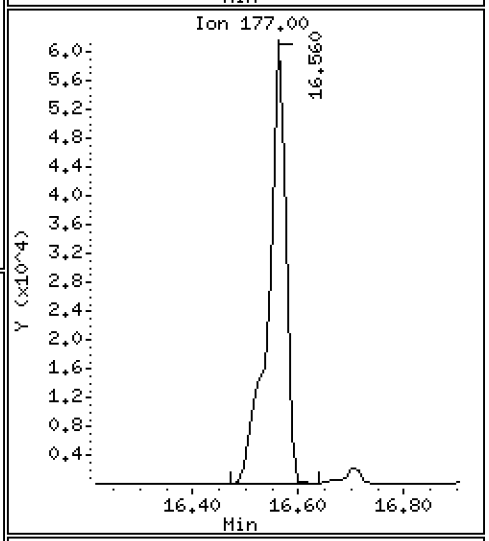


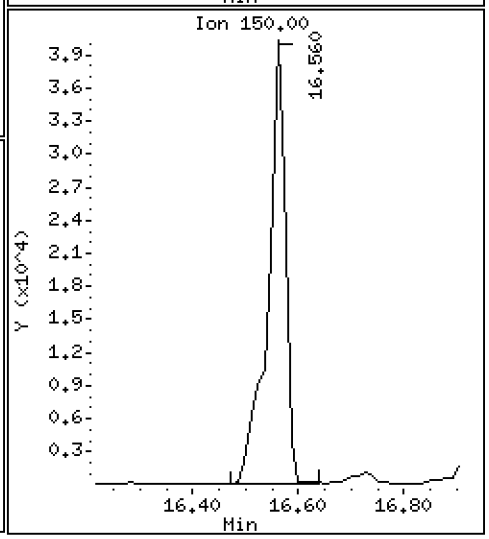












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

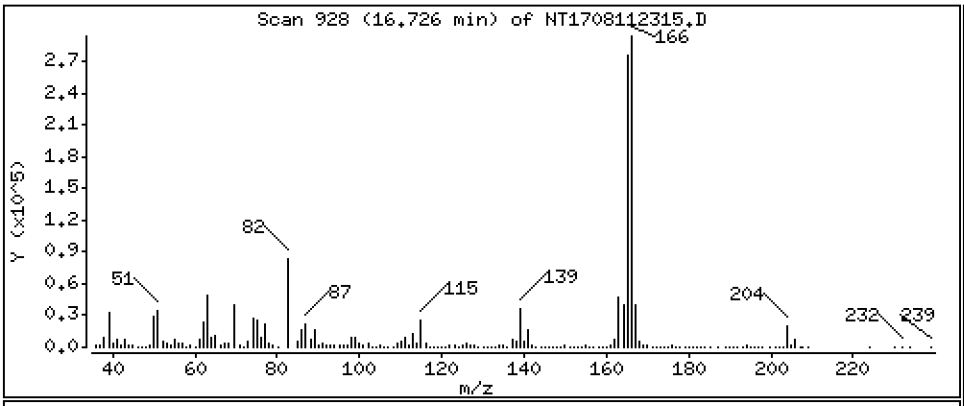
Operator: JGR

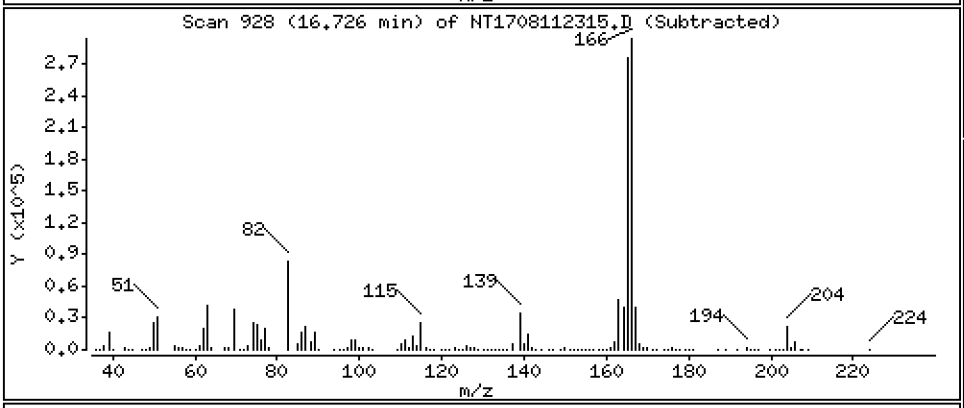
Column phase: ZB-5msi

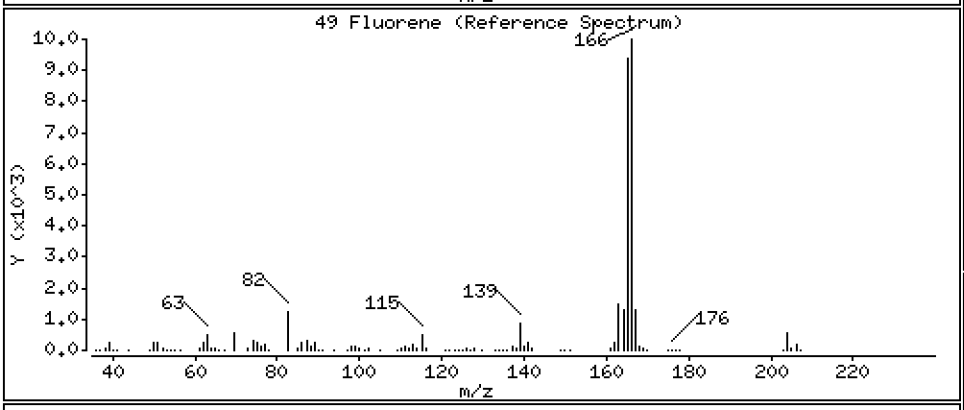
Column diameter: 0.25

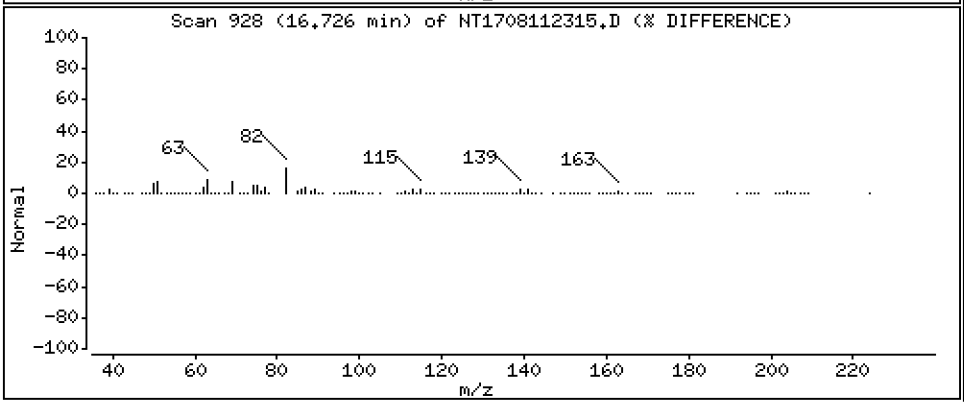
49 Fluorene

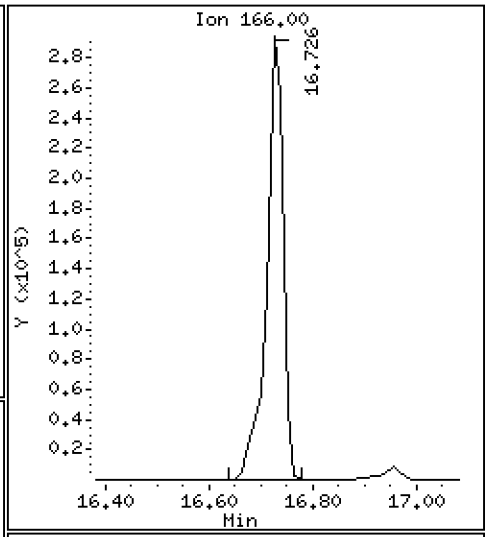
Concentration: 3.851 ug/mL

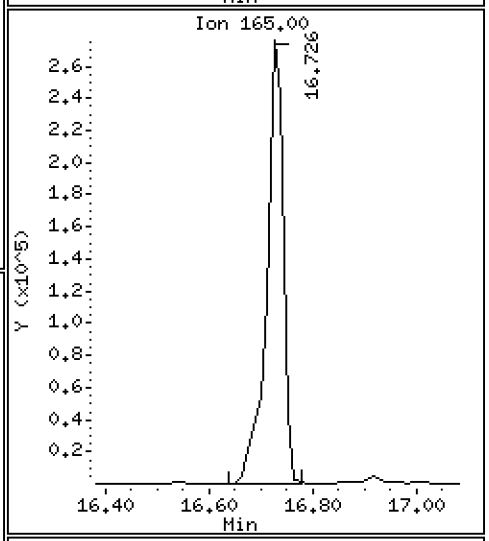


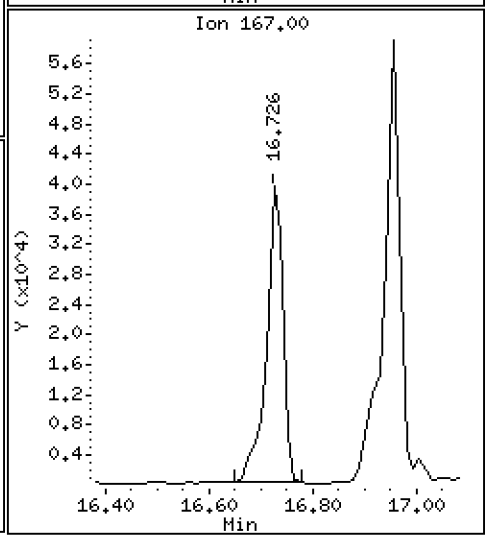












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

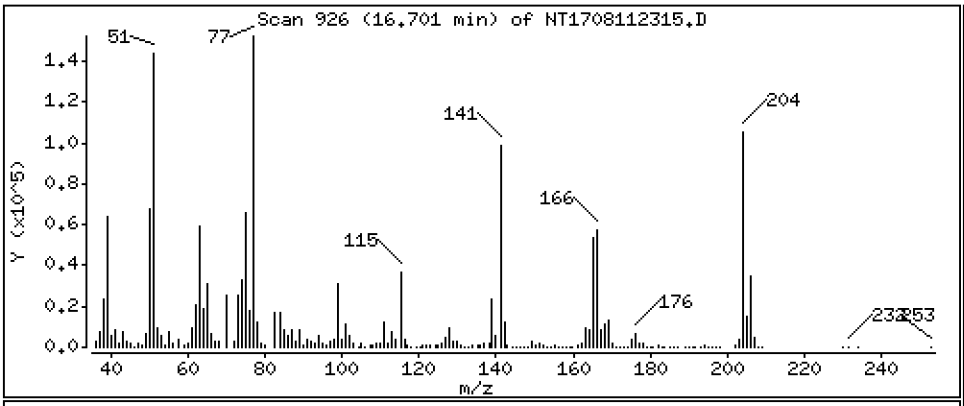
Operator: JGR

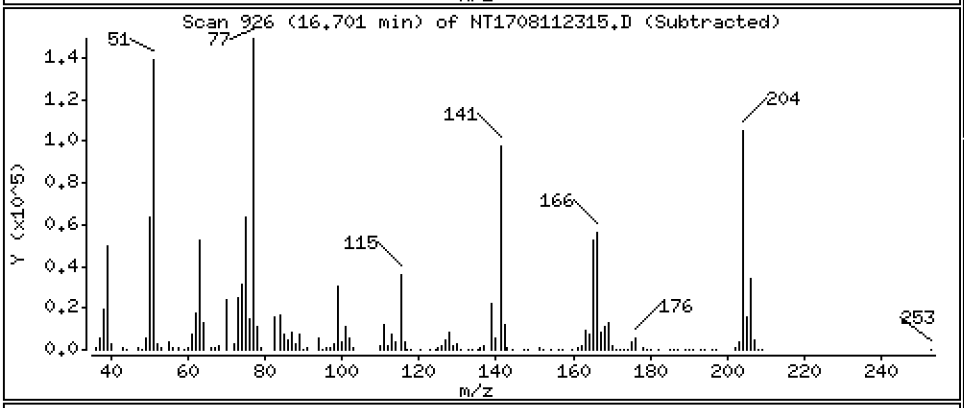
Column phase: ZB-5msi

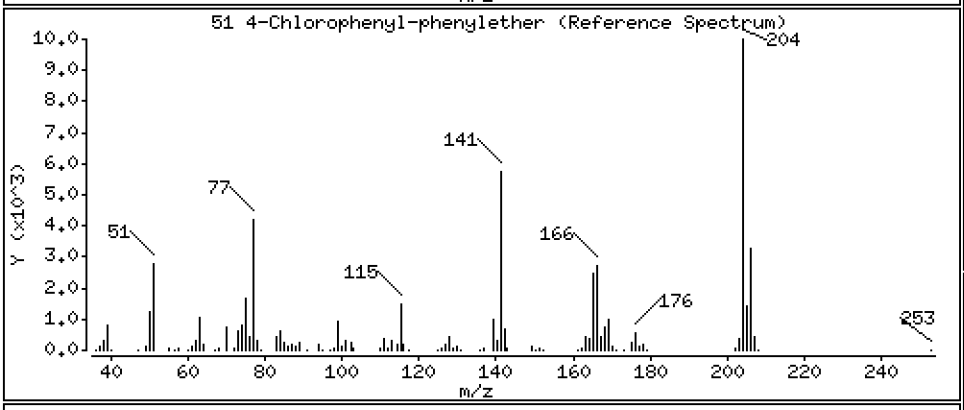
Column diameter: 0.25

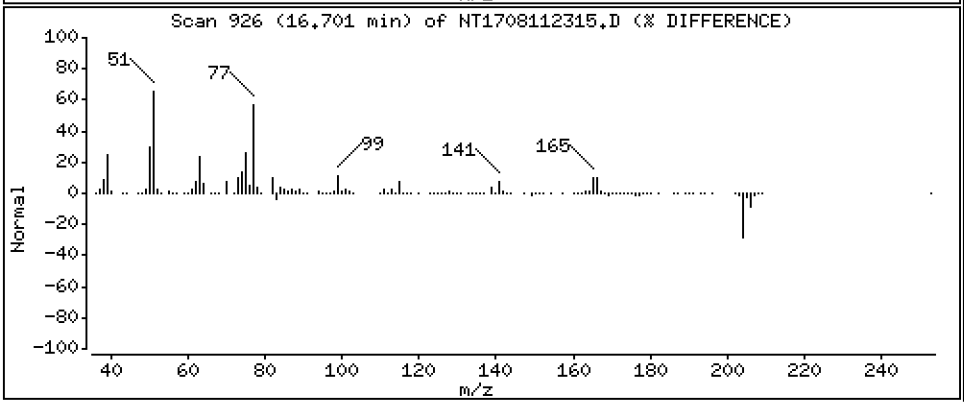
51 4-Chlorophenyl-phenylether

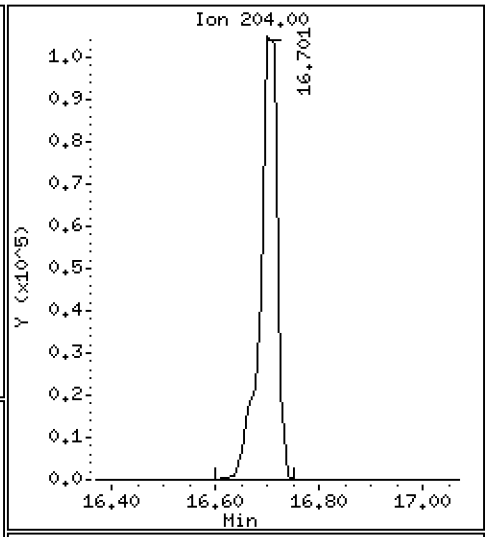
Concentration: 3.866 ug/mL

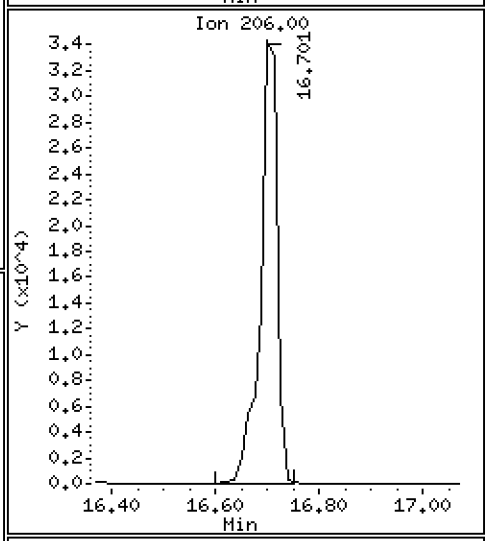


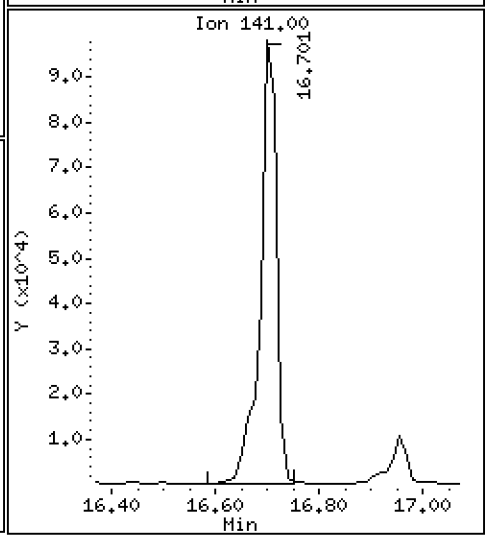












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

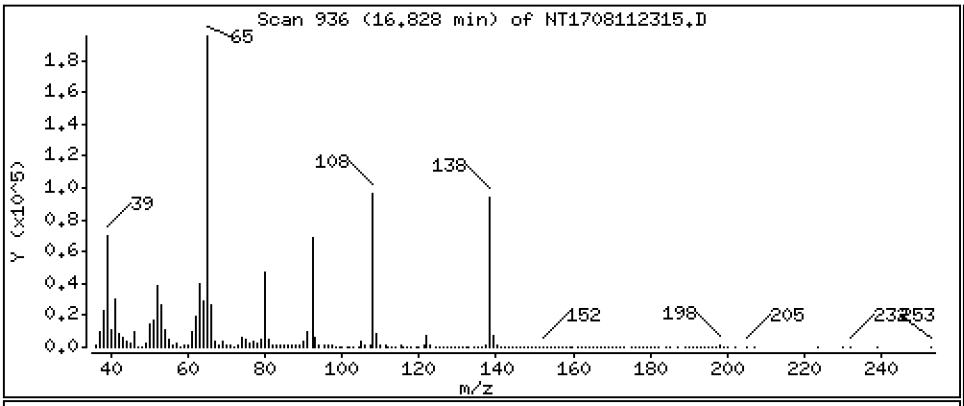
Operator: JGR

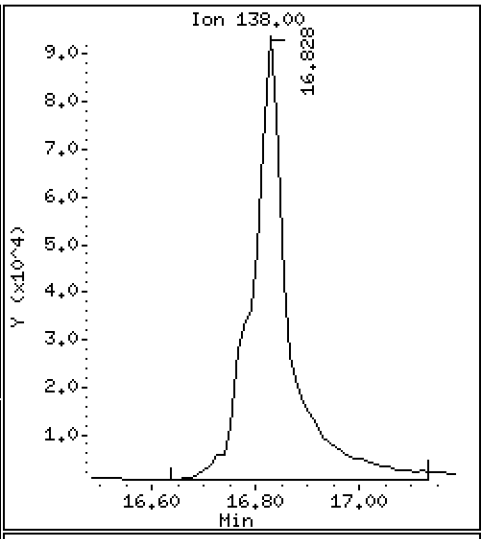
Column phase: ZB-5msi

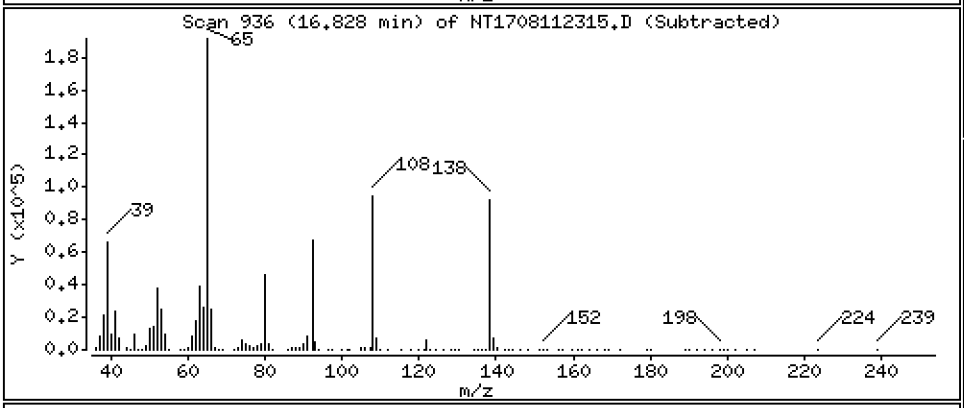
Column diameter: 0.25

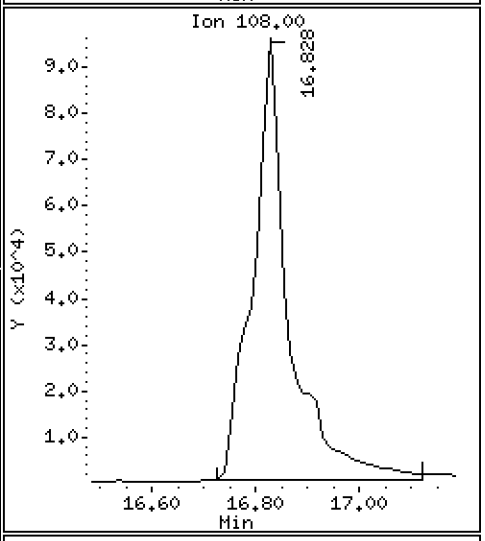
52 4-Nitroaniline

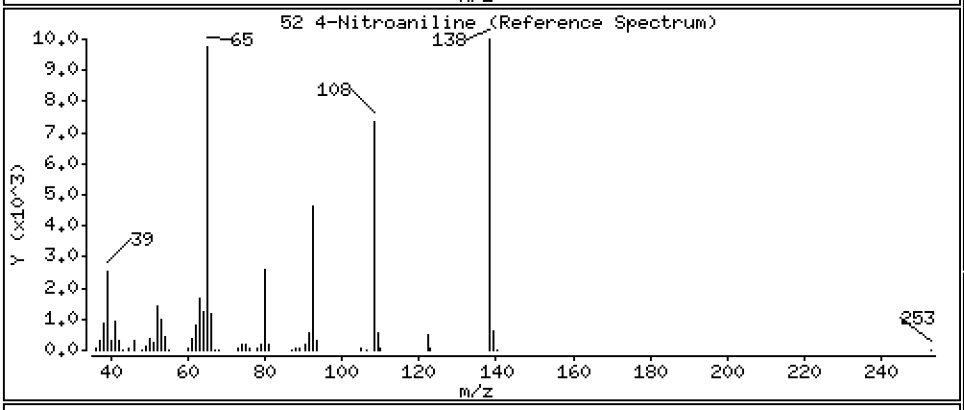
Concentration: 9.804 ug/mL

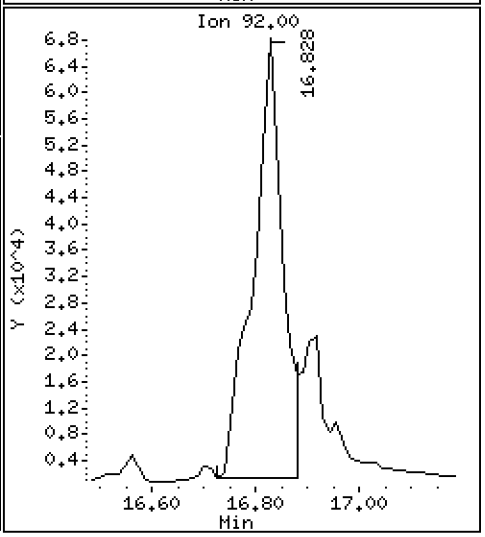


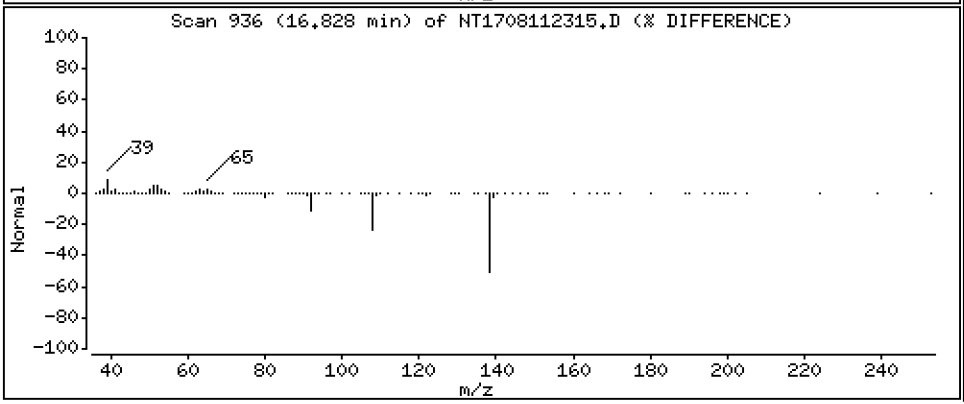












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

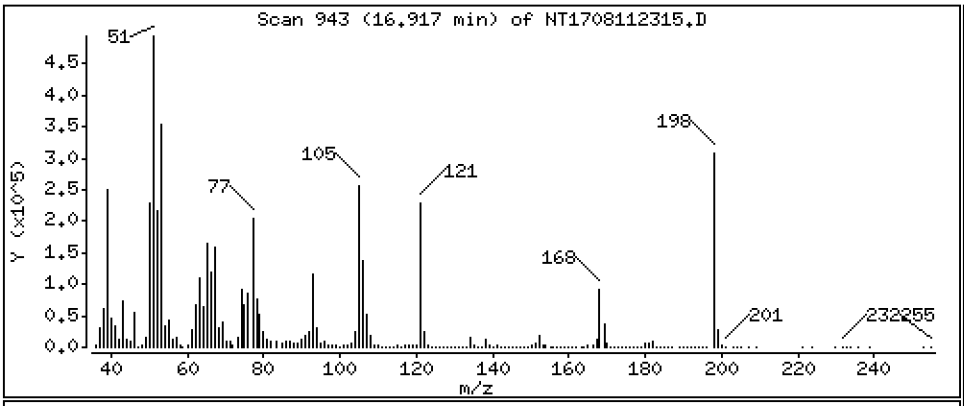
Operator: JGR

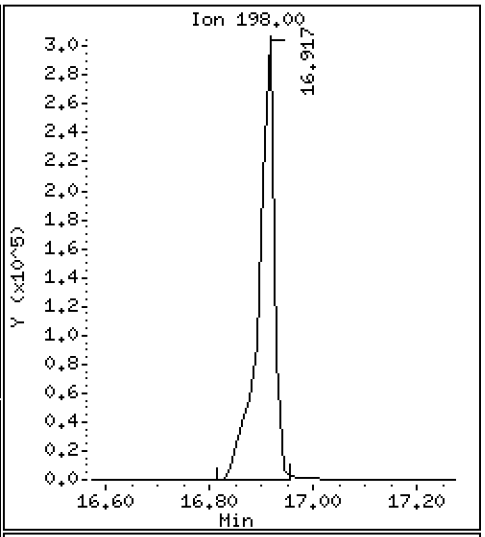
Column phase: ZB-5msi

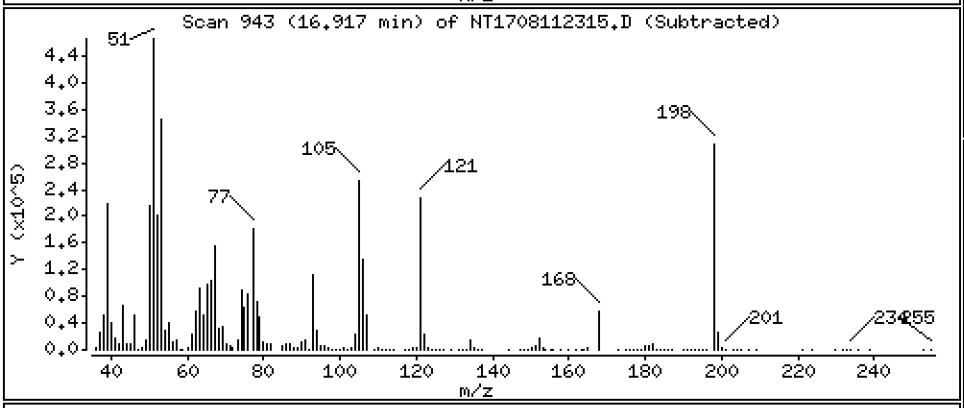
Column diameter: 0.25

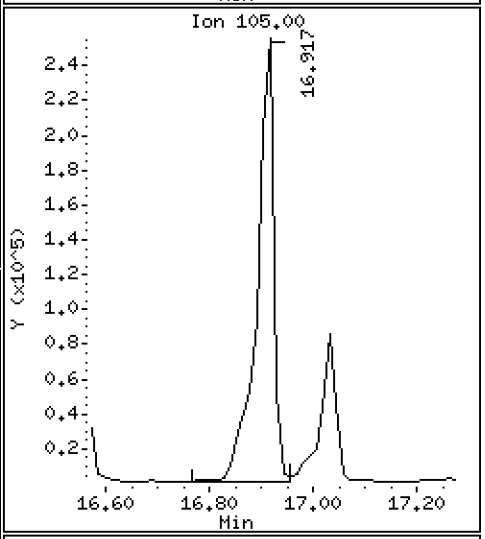
53 4,6-Dinitro-2-methylphenol

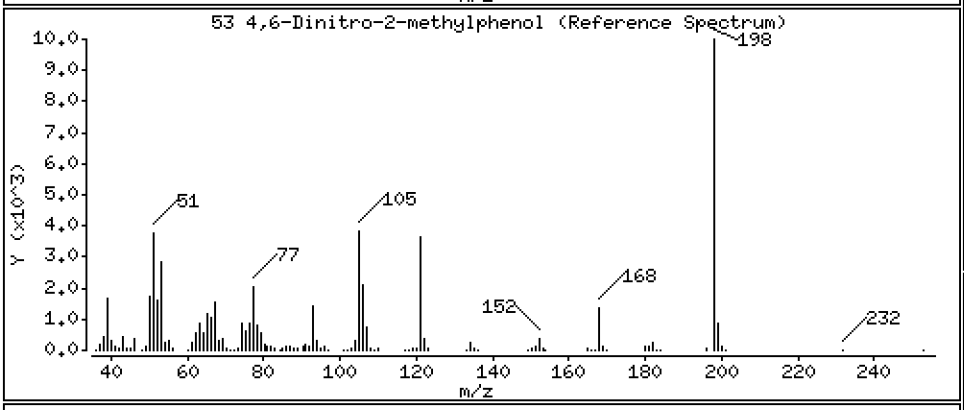
Concentration: 22.16 ug/mL

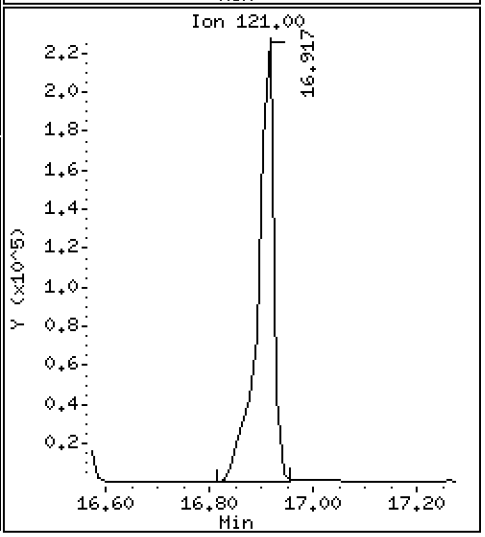


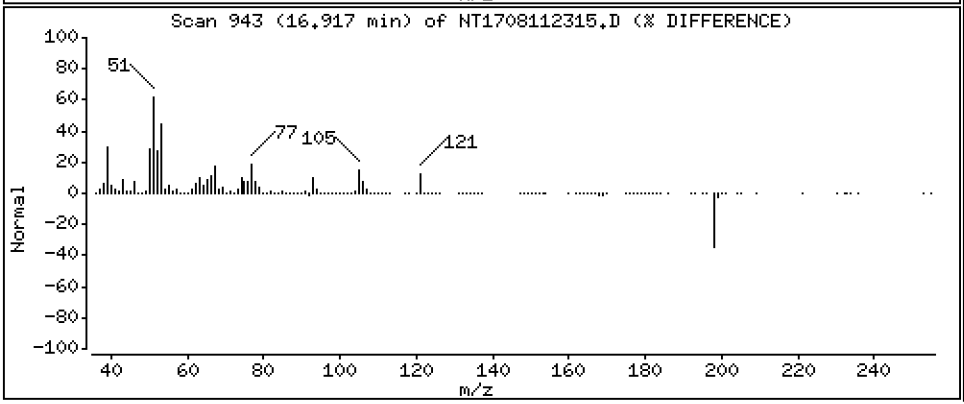












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

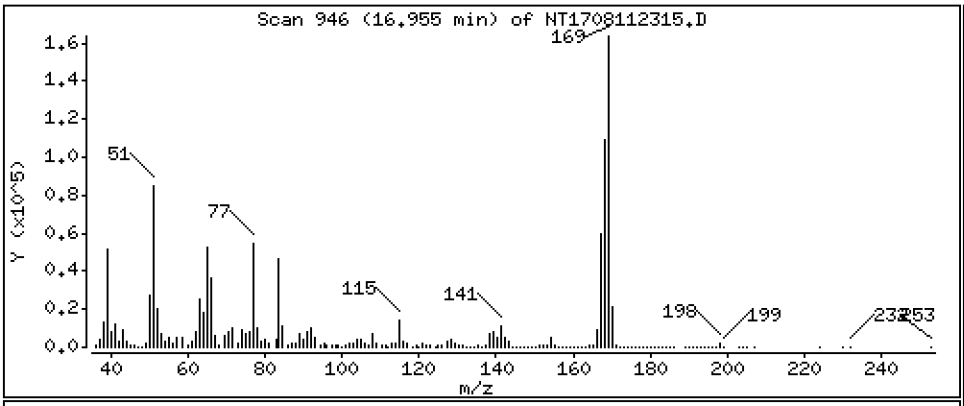
Operator: JGR

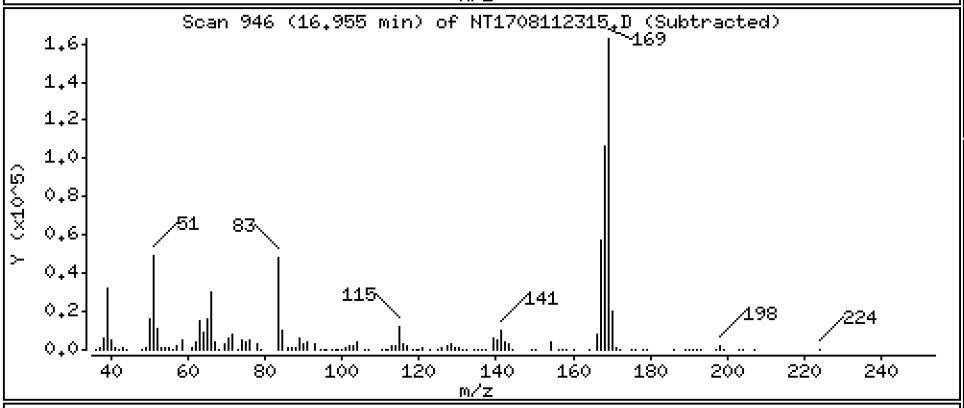
Column phase: ZB-5msi

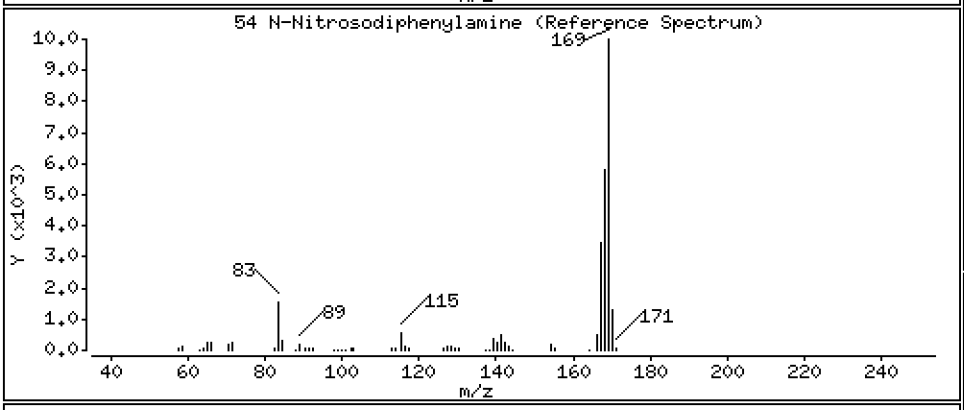
Column diameter: 0.25

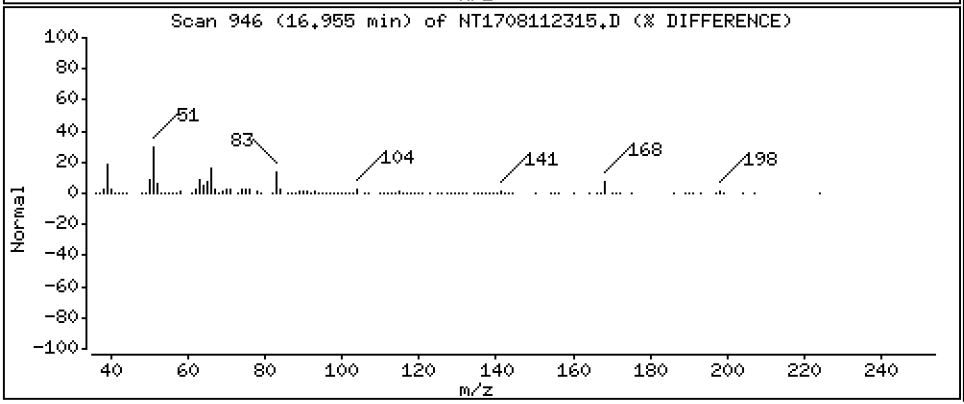
54 N-Nitrosodiphenylamine

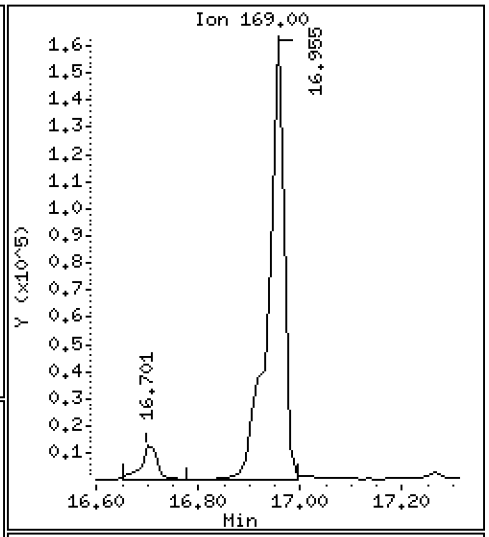
Concentration: 3.069 ug/mL

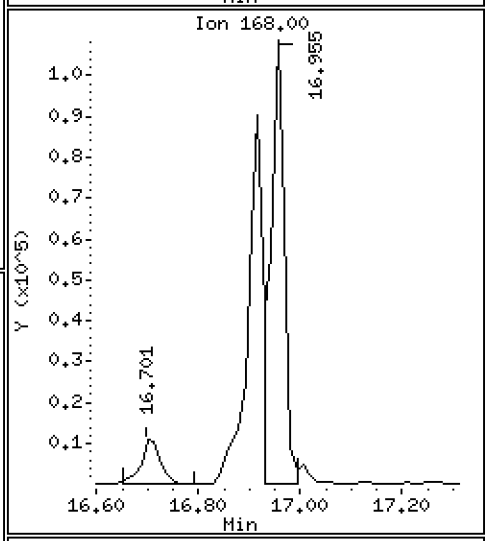


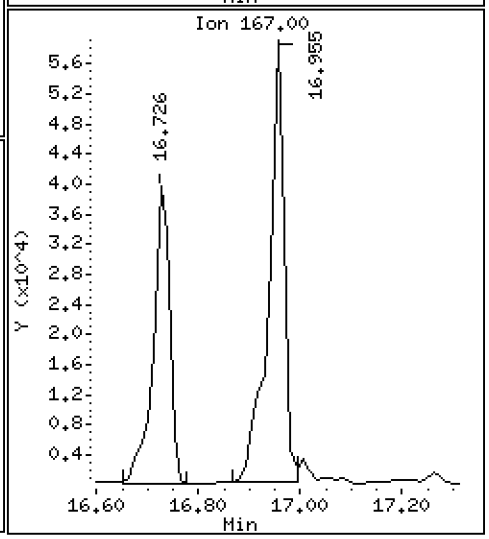












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

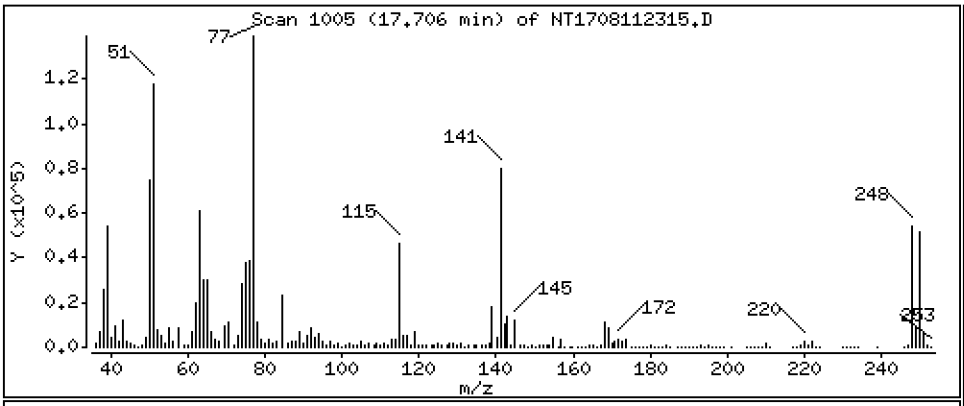
Operator: JGR

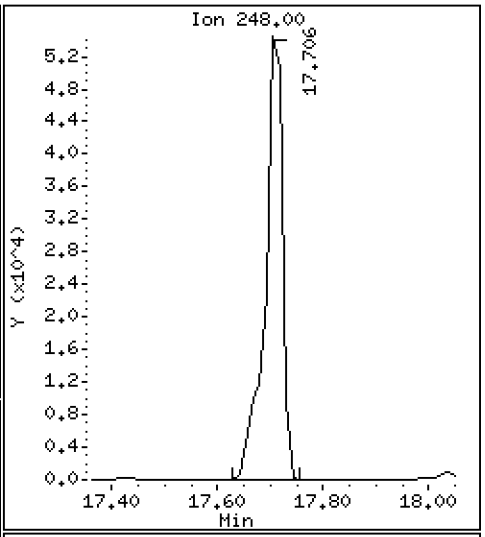
Column phase: ZB-5msi

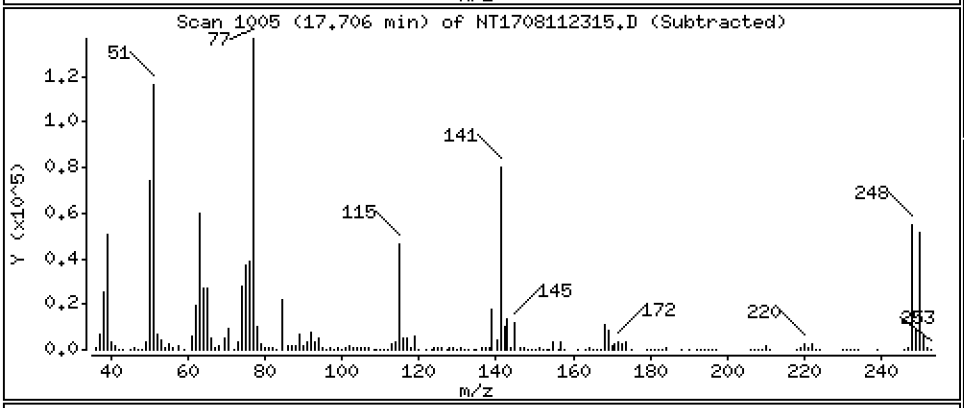
Column diameter: 0.25

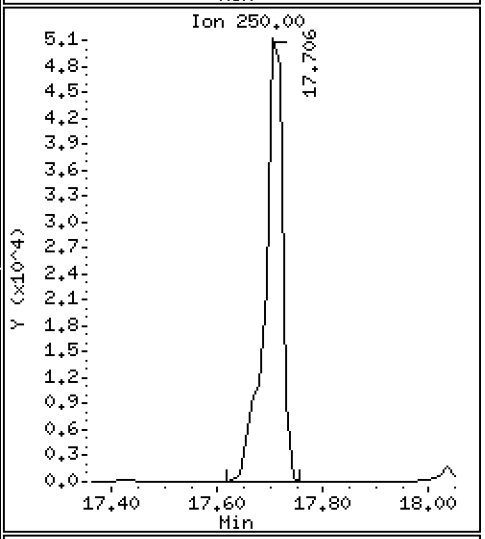
56 4-Bromophenyl-phenylether

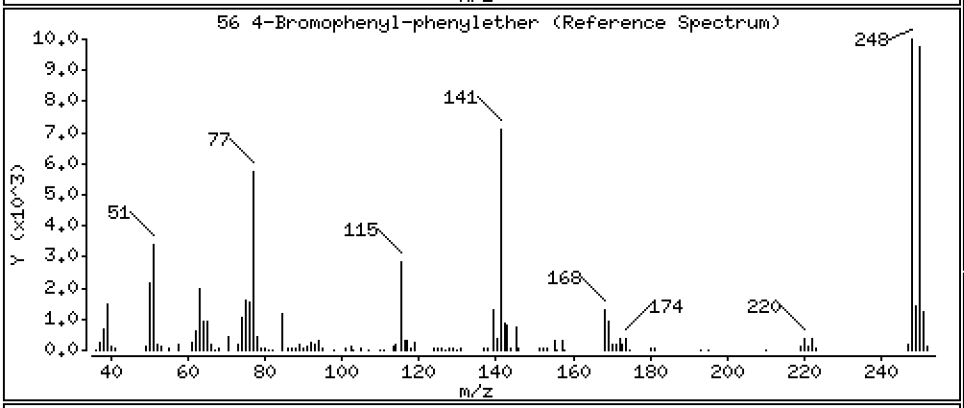
Concentration: 3.935 ug/mL

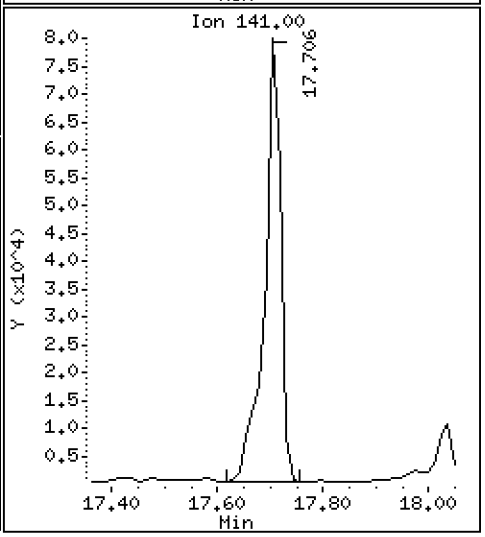


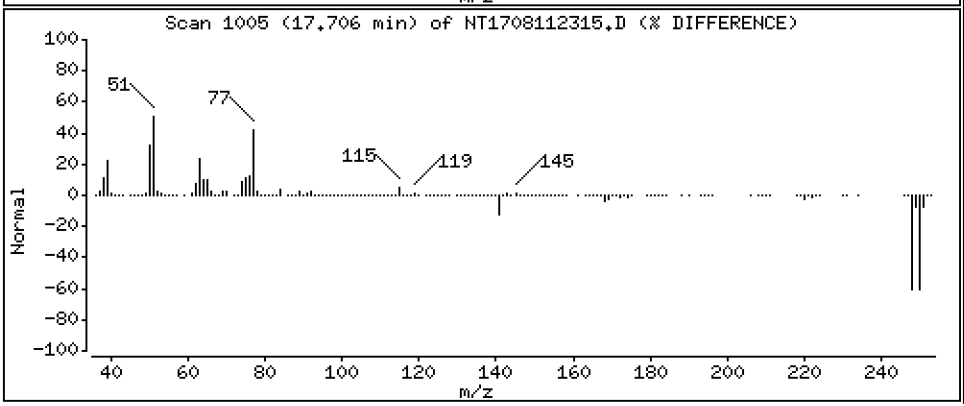












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

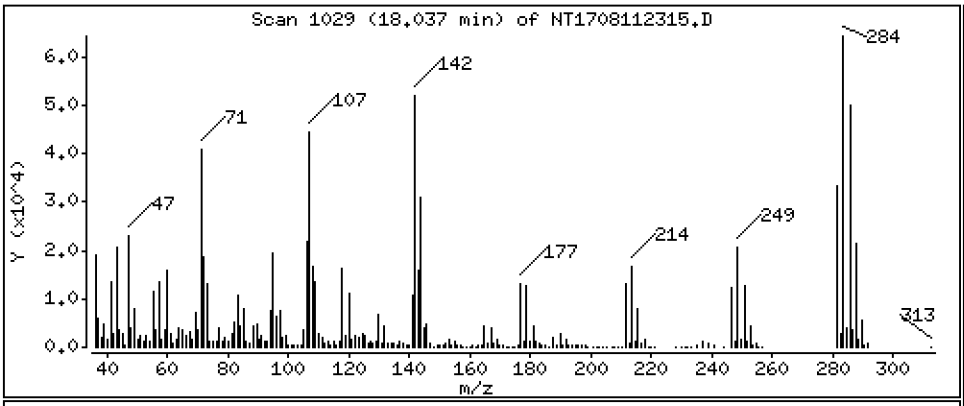
Operator: JGR

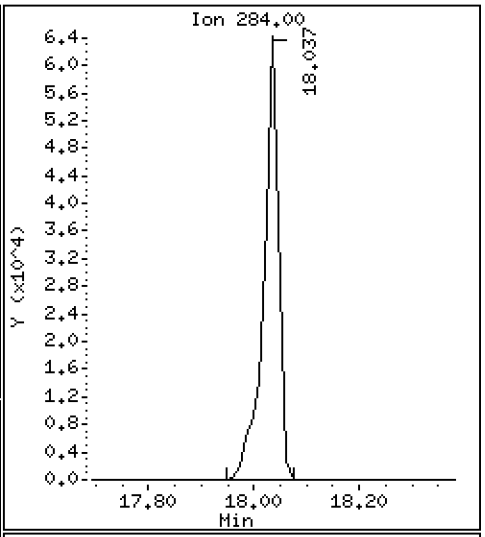
Column phase: ZB-5msi

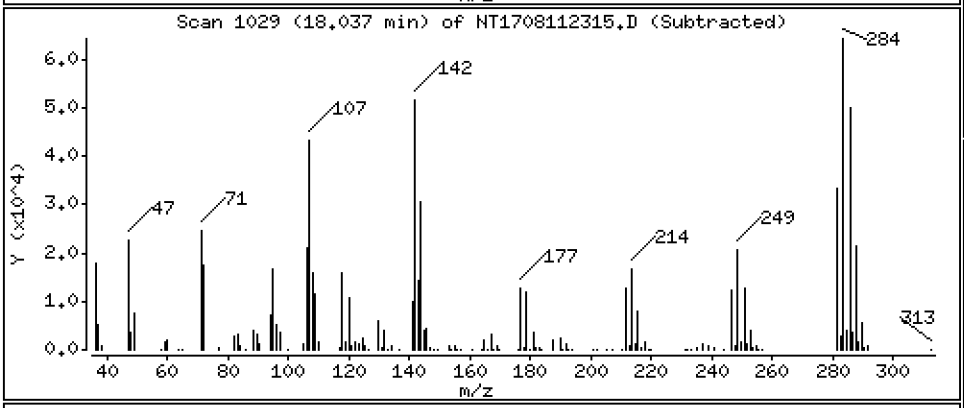
Column diameter: 0.25

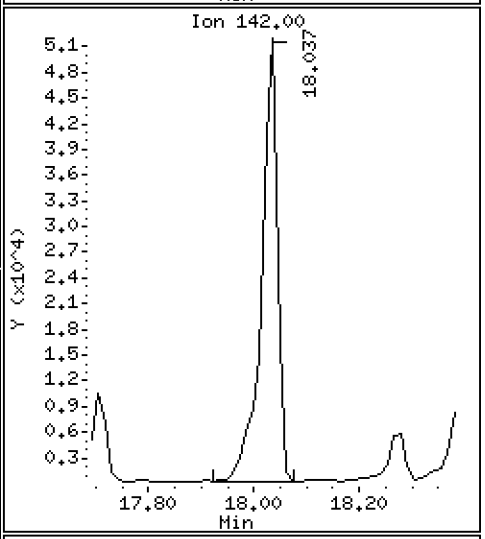
57 Hexachlorobenzene

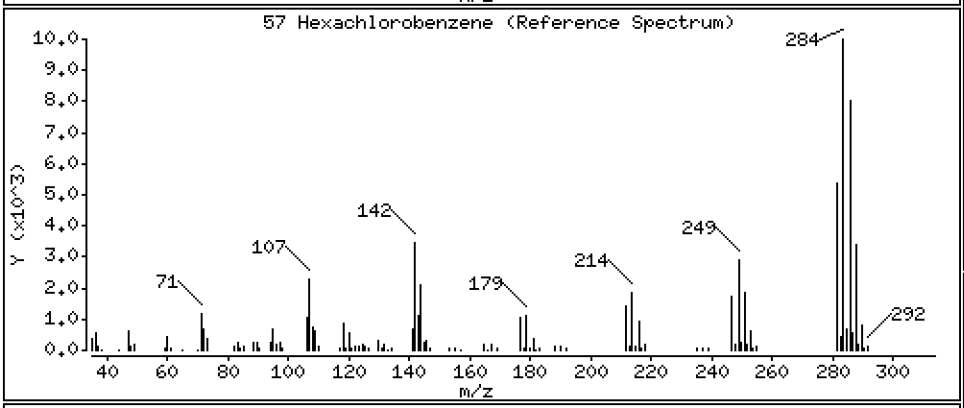
Concentration: 3.573 ug/mL

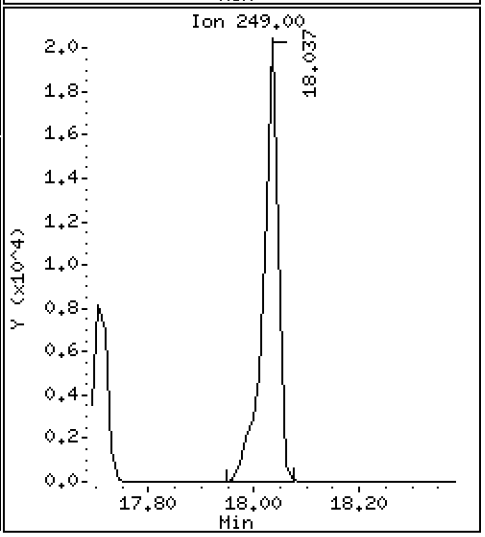


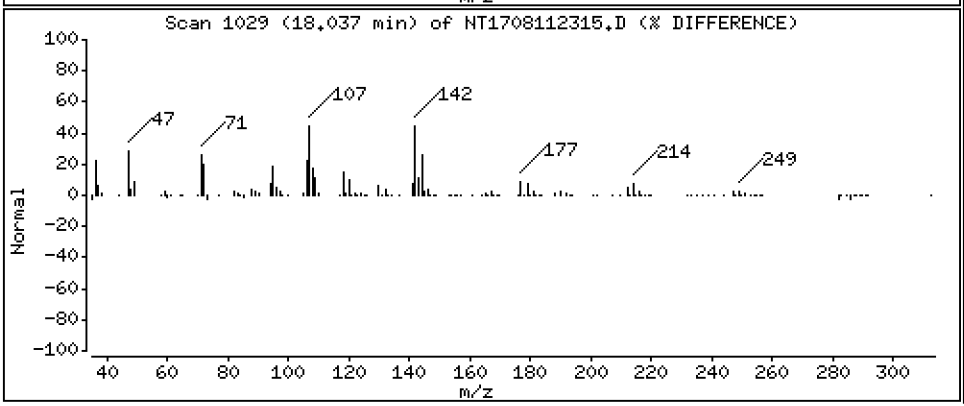












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

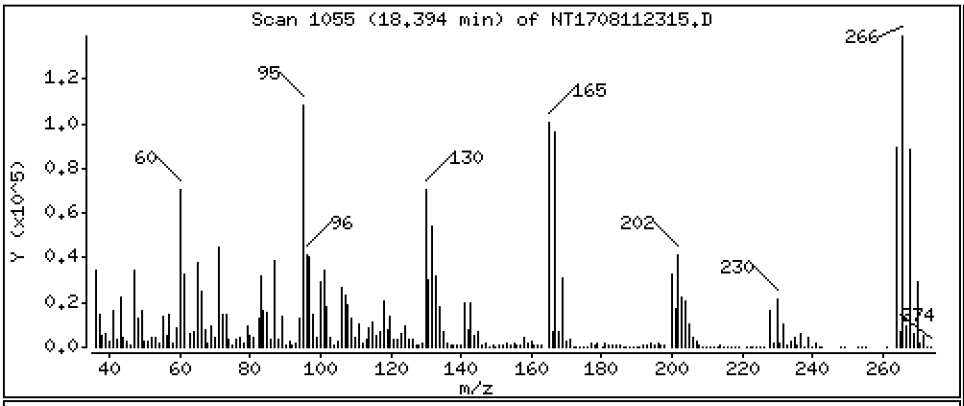
Operator: JGR

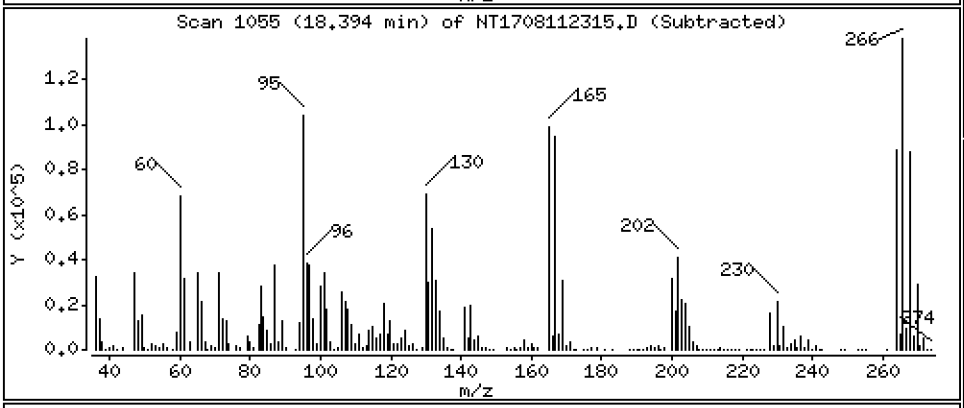
Column phase: ZB-5msi

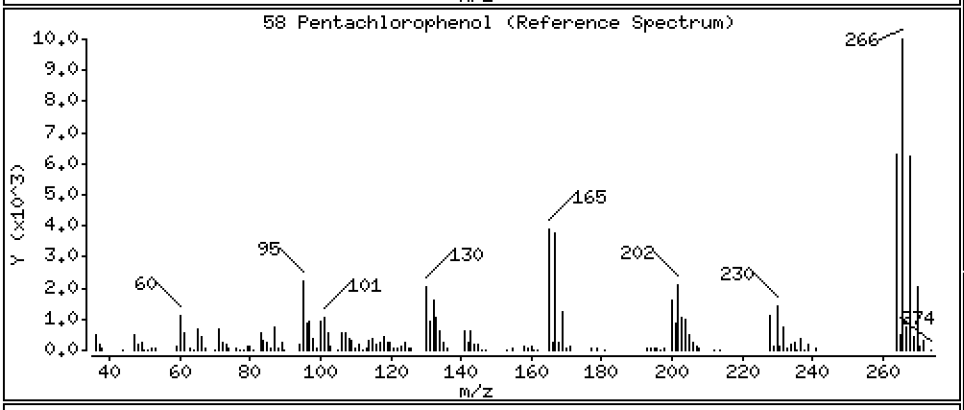
Column diameter: 0.25

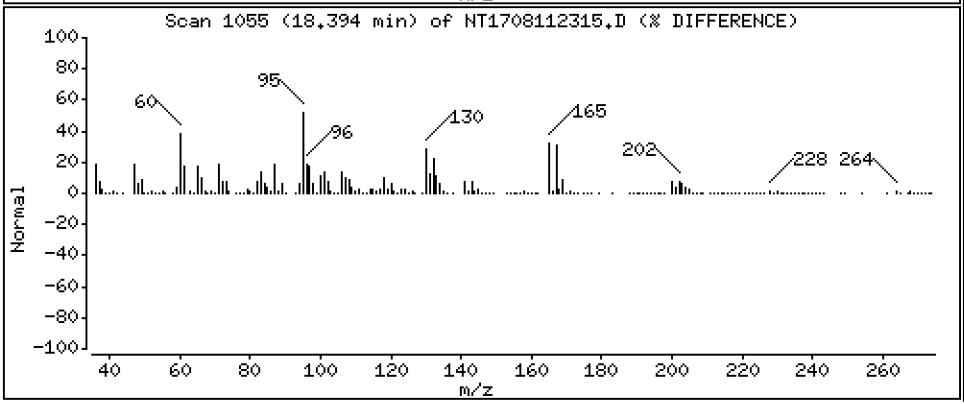
58 Pentachlorophenol

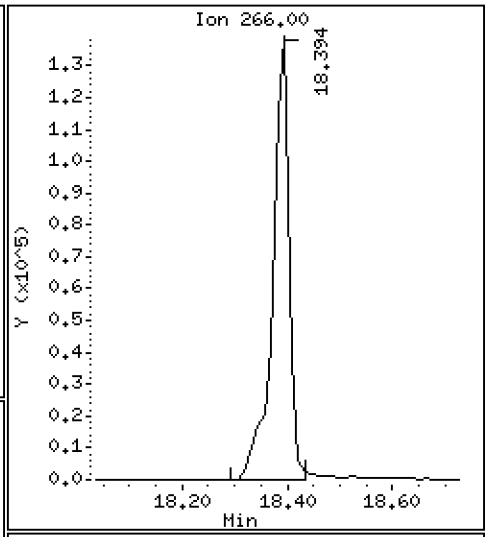
Concentration: 13.67 ug/mL

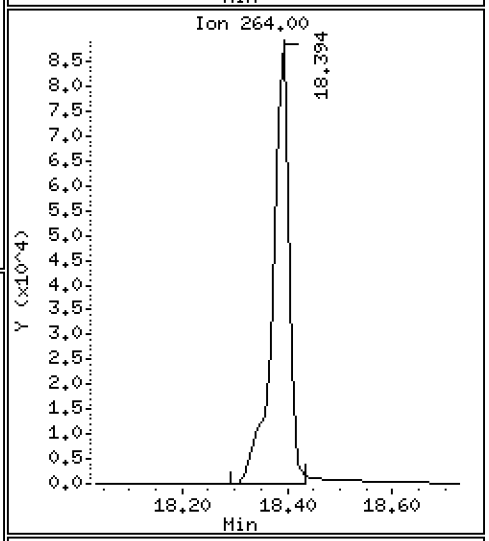


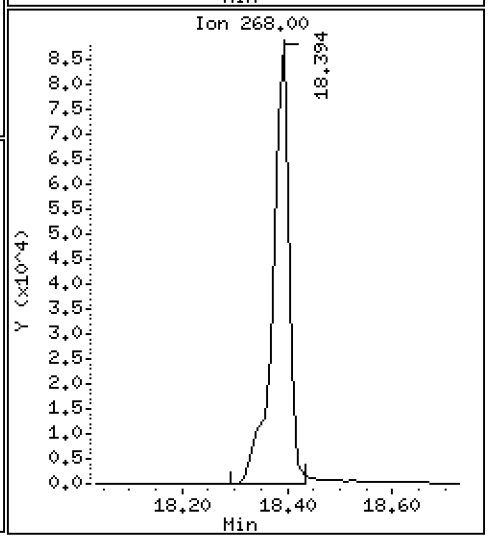












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

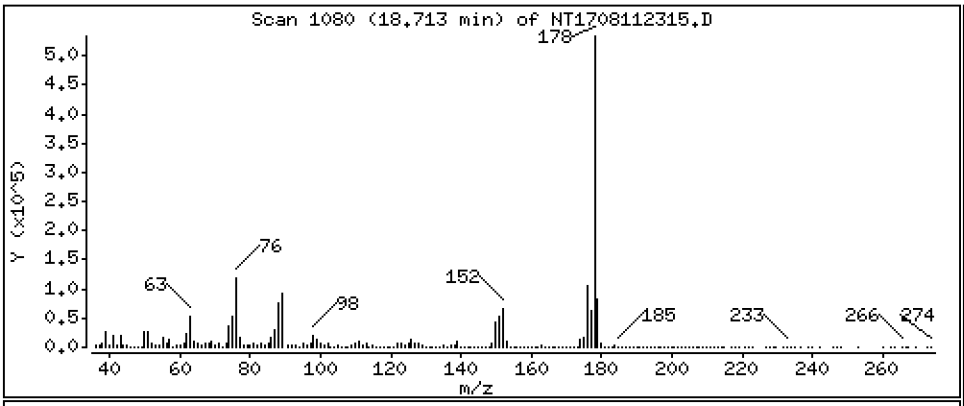
Operator: JGR

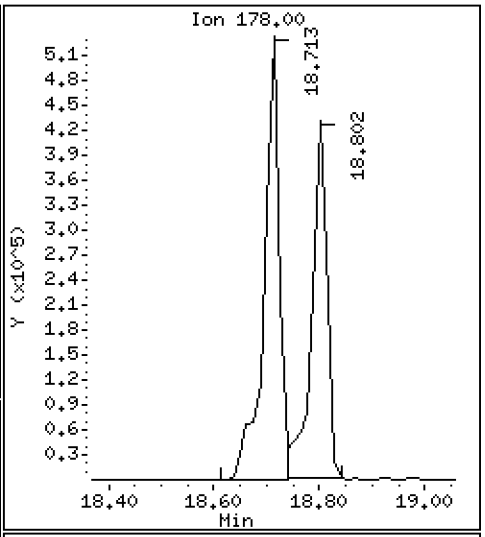
Column phase: ZB-5msi

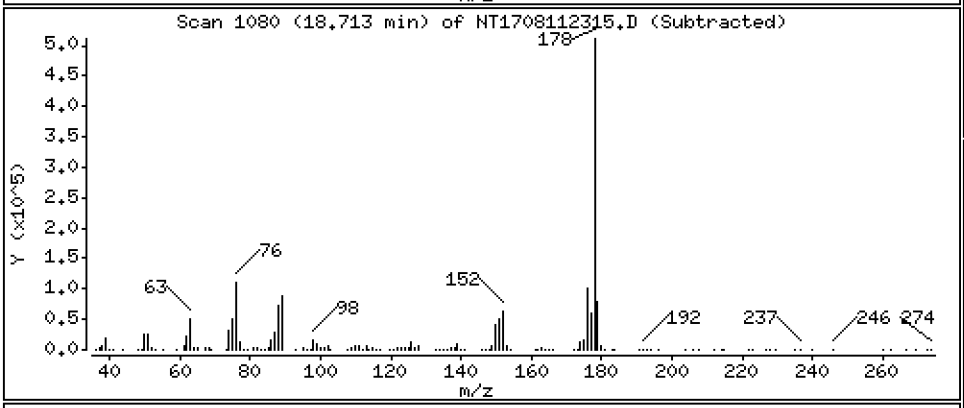
Column diameter: 0.25

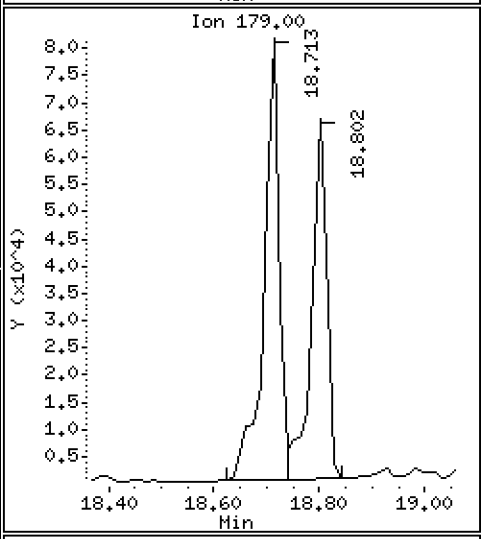
60 Phenanthrene

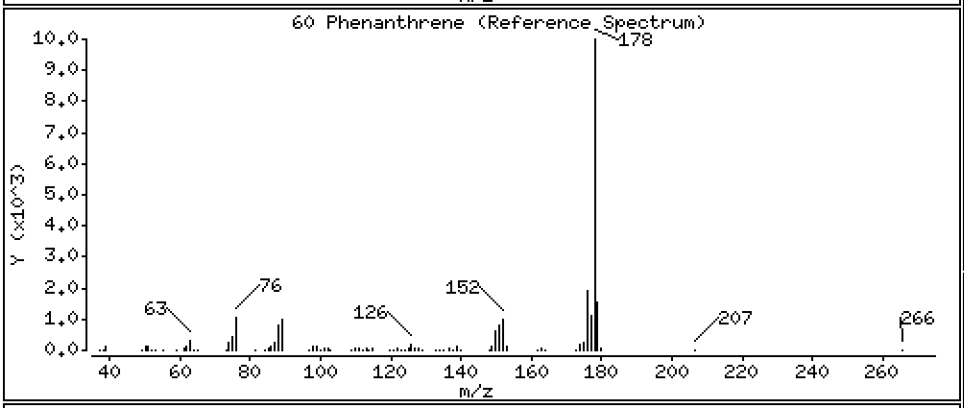
Concentration: 4.821 ug/mL

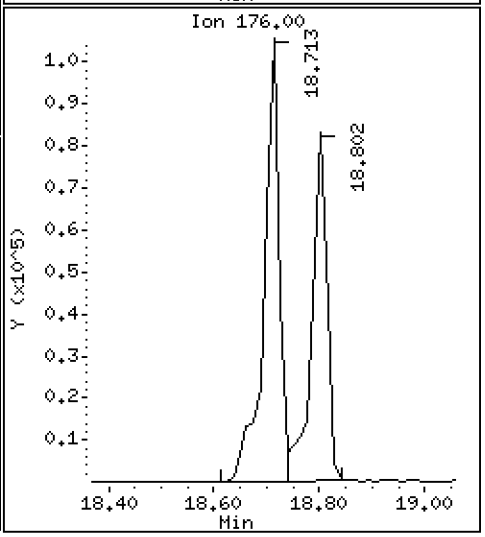


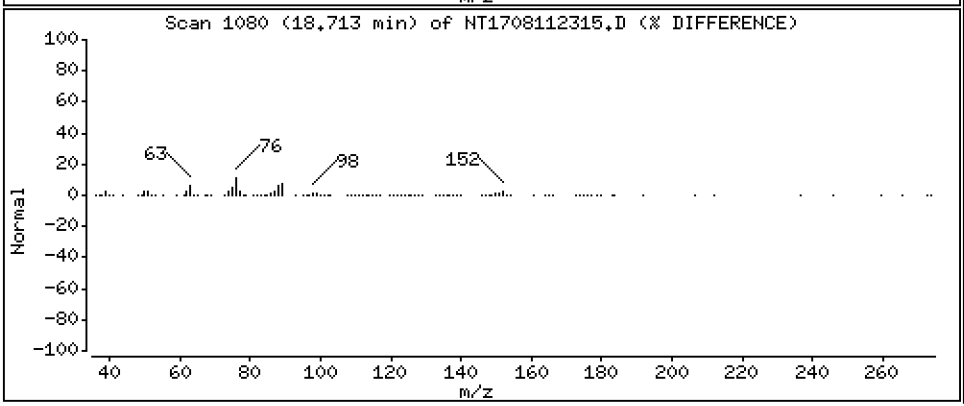












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

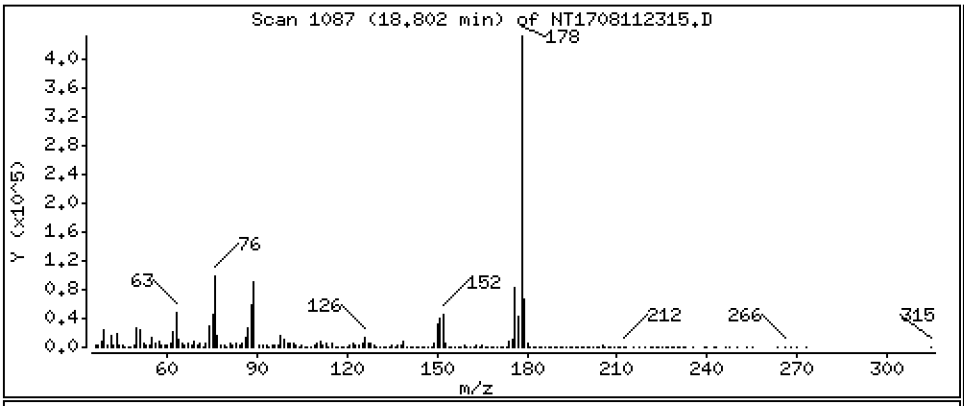
Operator: JGR

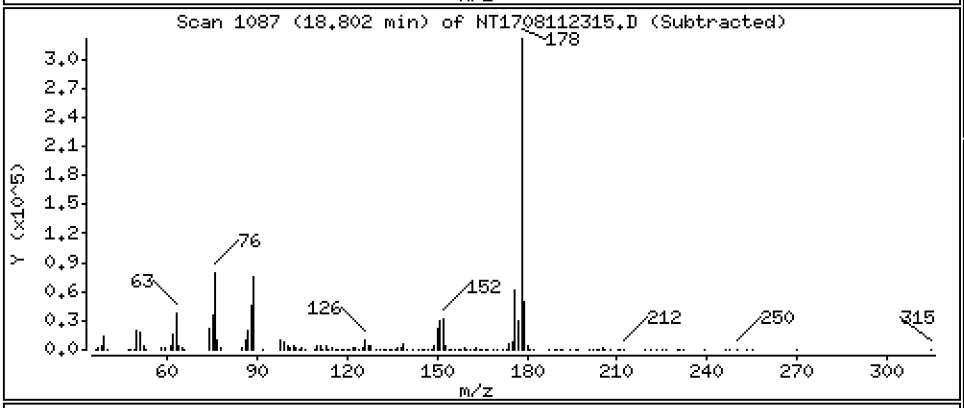
Column phase: ZB-5msi

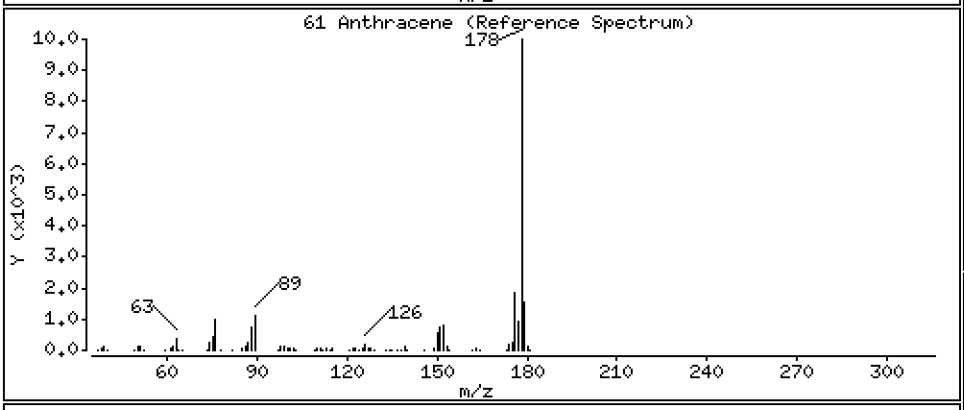
Column diameter: 0.25

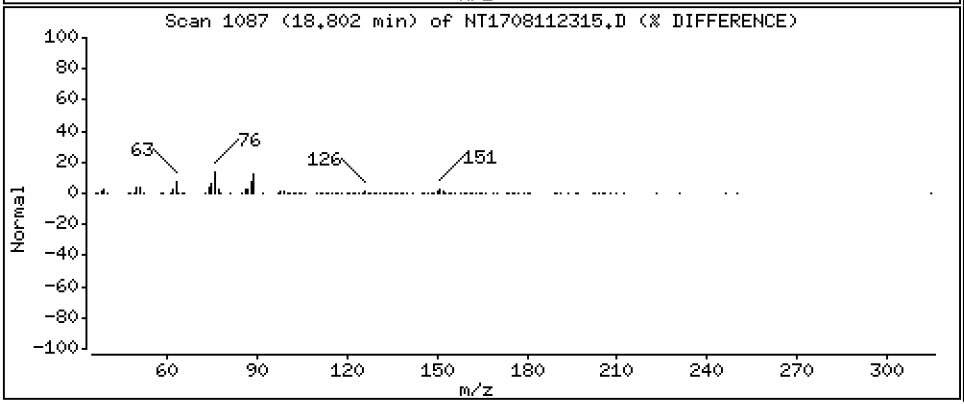
61 Anthracene

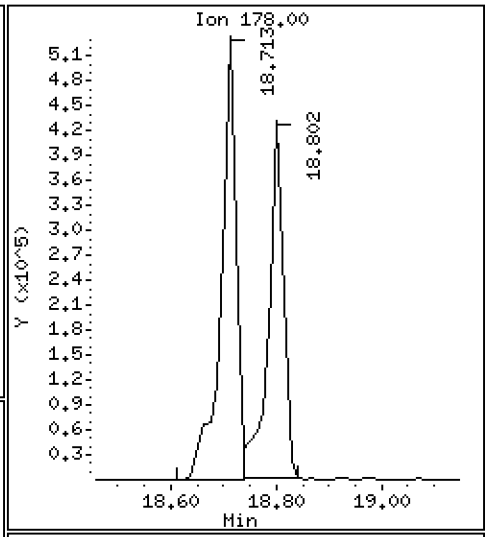
Concentration: 4.245 ug/mL

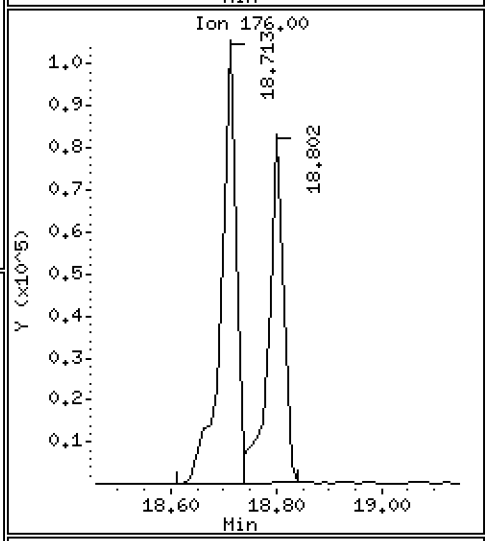


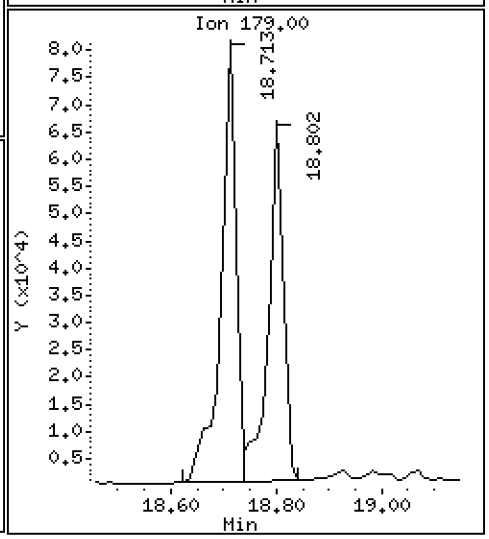












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

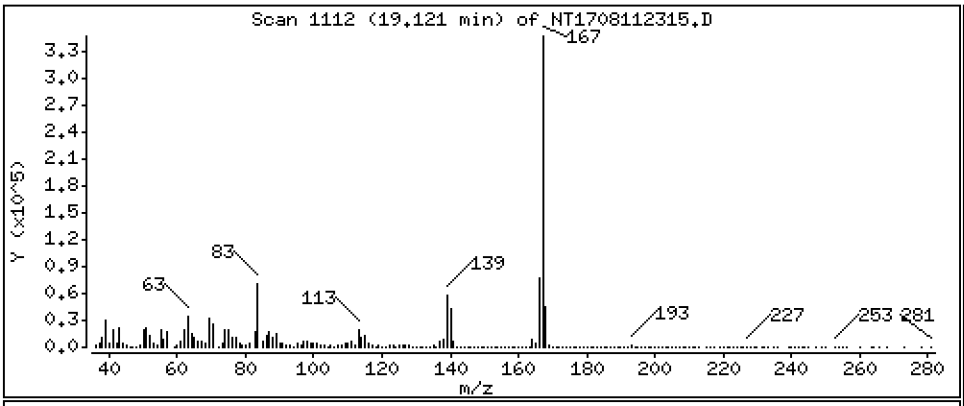
Operator: JGR

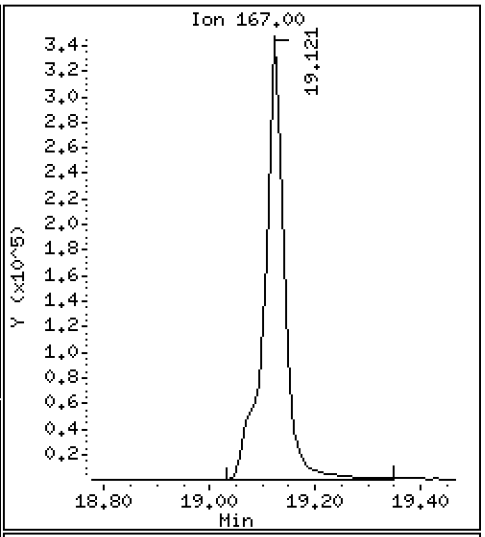
Column phase: ZB-5msi

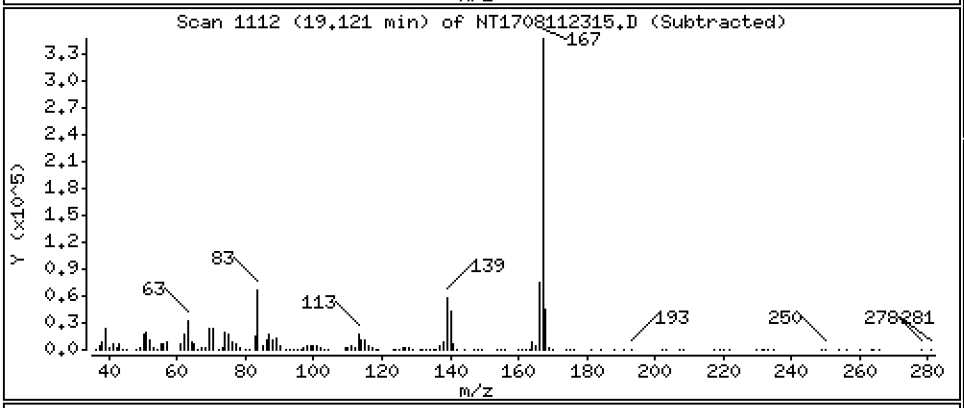
Column diameter: 0.25

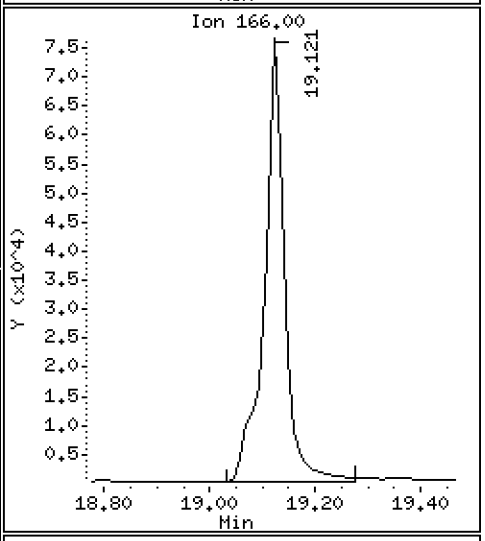
62 Carbazole

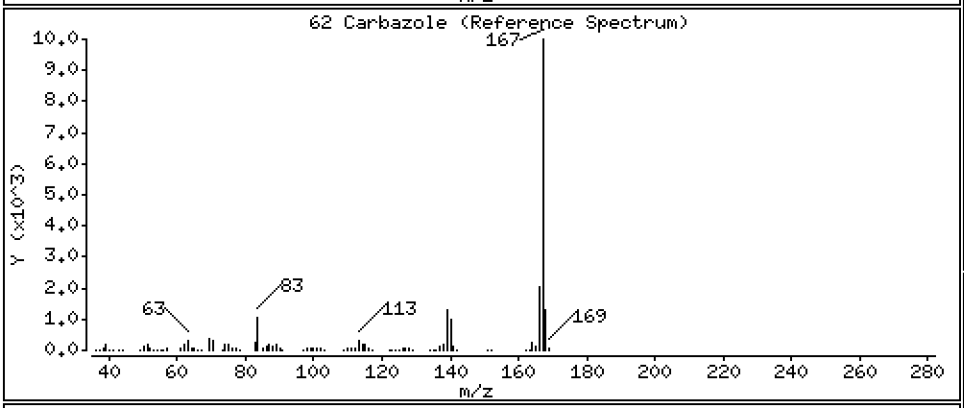
Concentration: 4.373 ug/mL

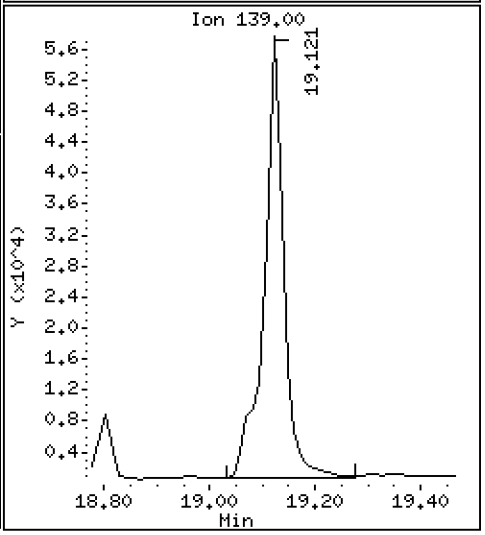


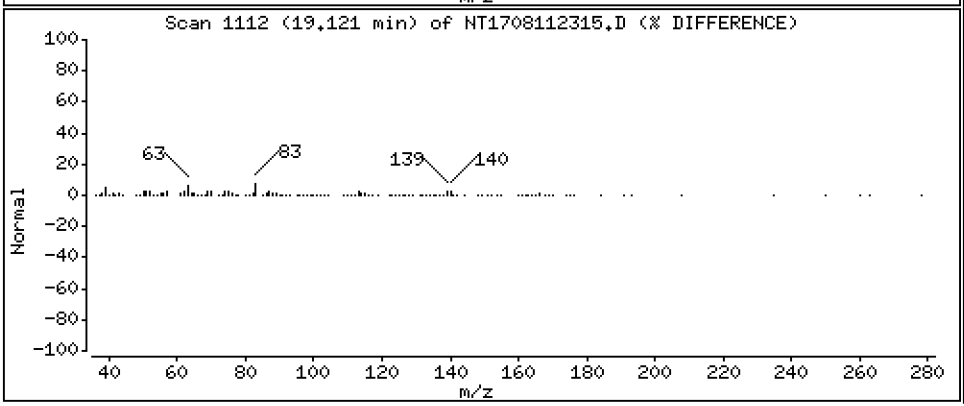












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

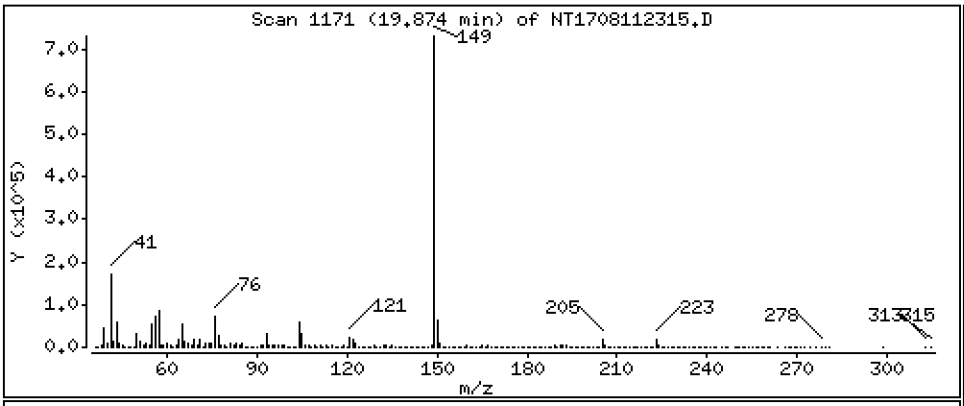
Operator: JGR

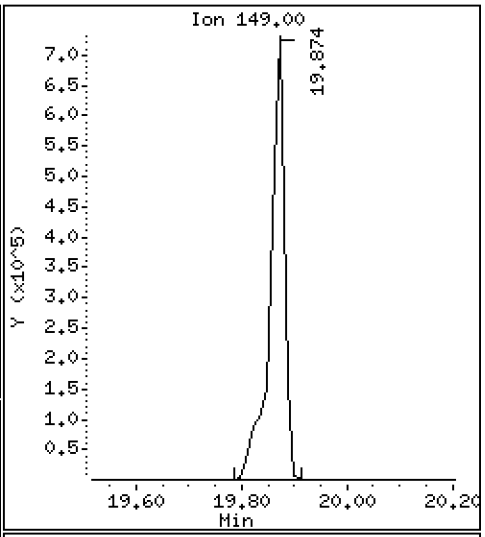
Column phase: ZB-5msi

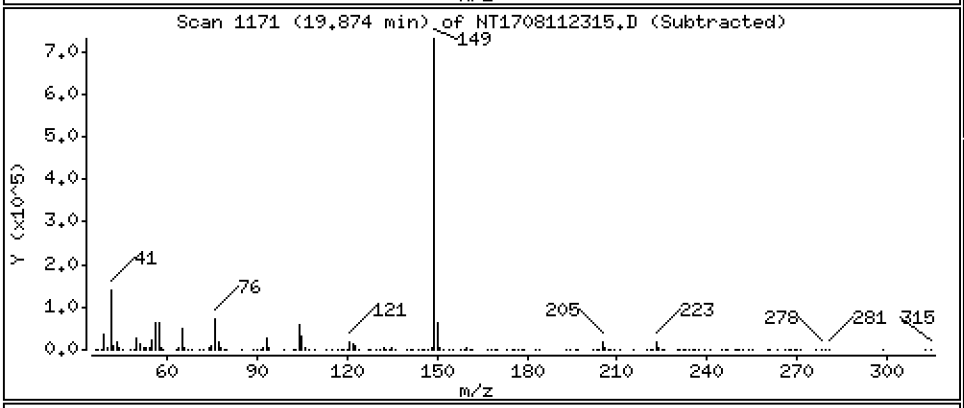
Column diameter: 0.25

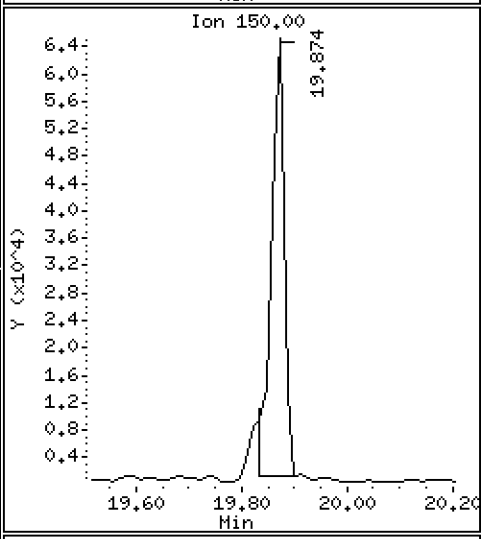
63 Di-n-butylphthalate

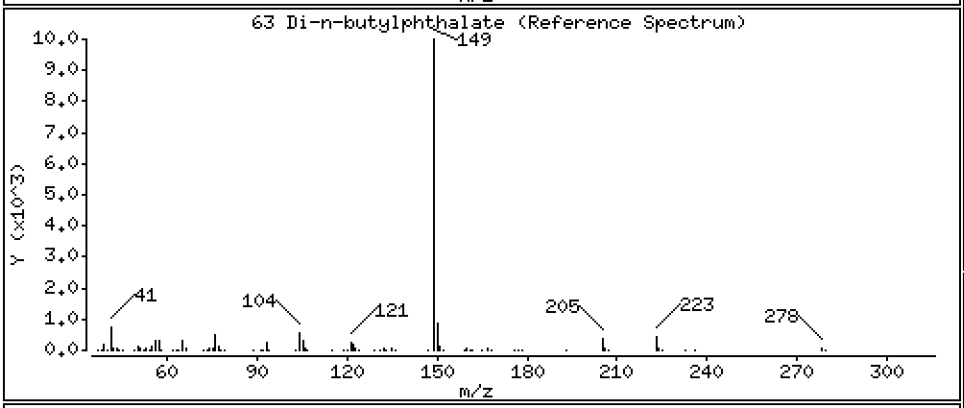
Concentration: 3.681 ug/mL

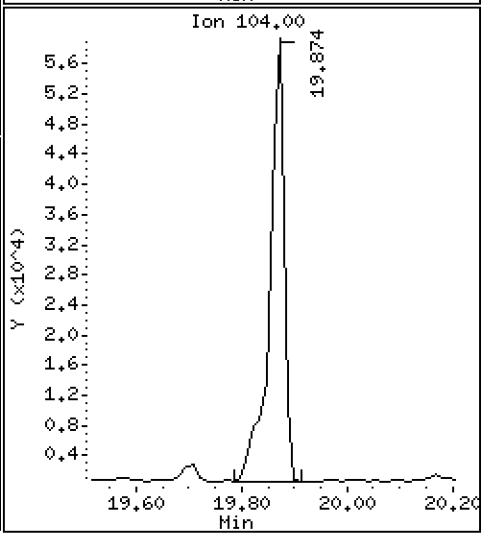


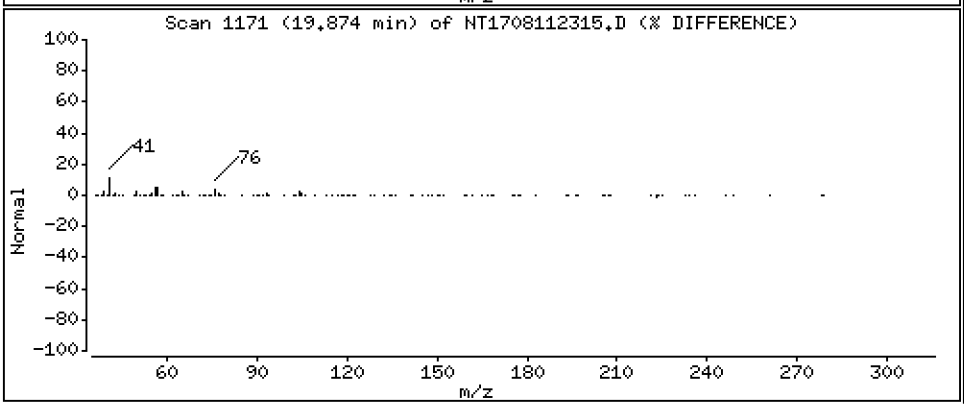












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

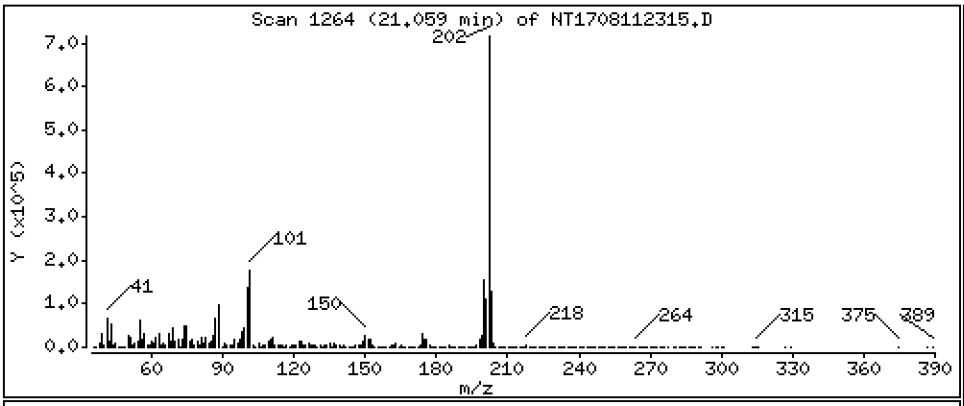
Operator: JGR

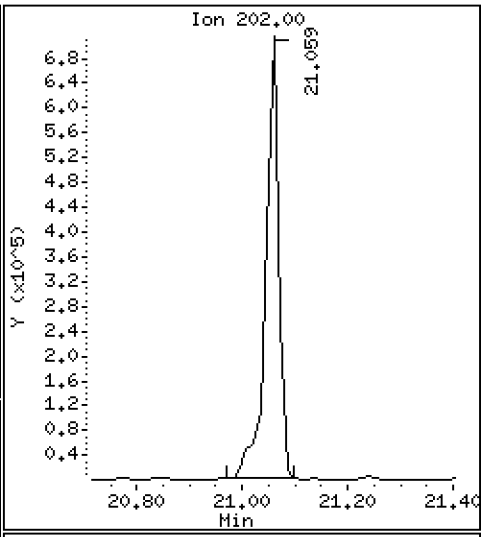
Column phase: ZB-5msi

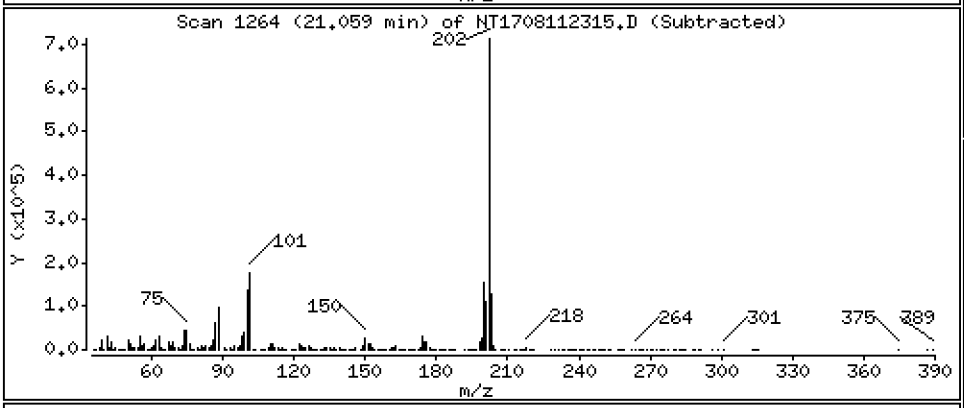
Column diameter: 0.25

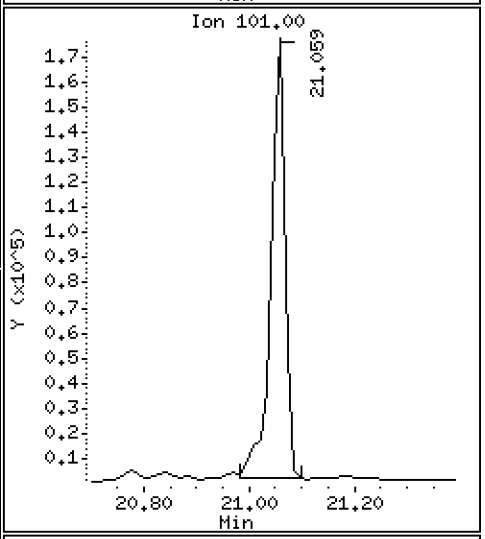
64 Fluoranthene

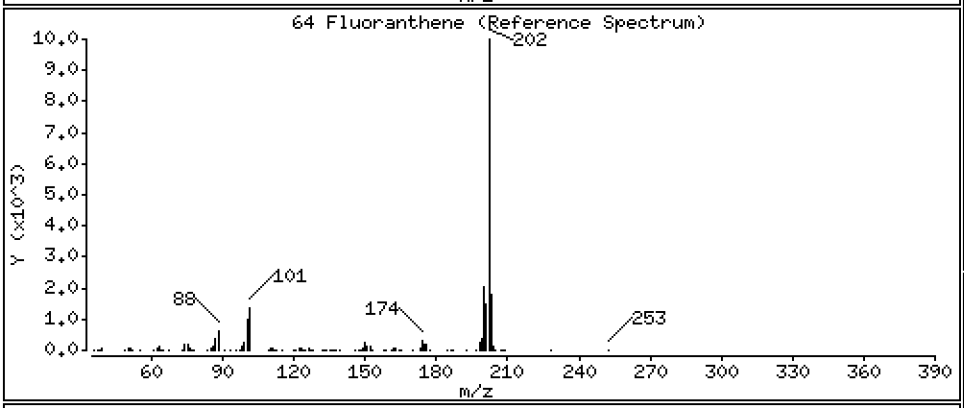
Concentration: 6.034 ug/mL

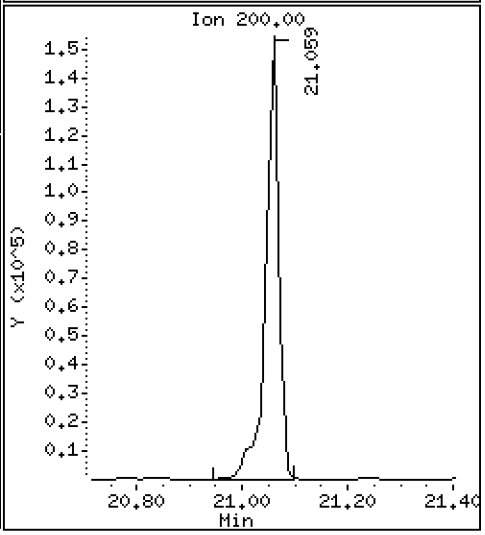


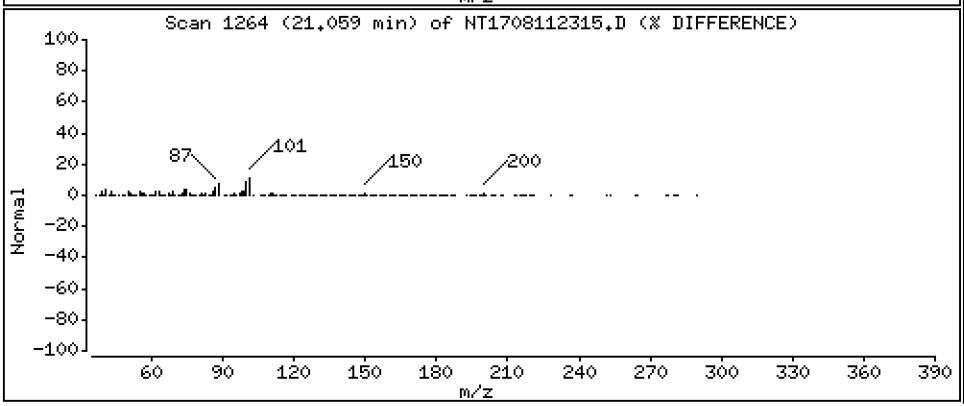












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

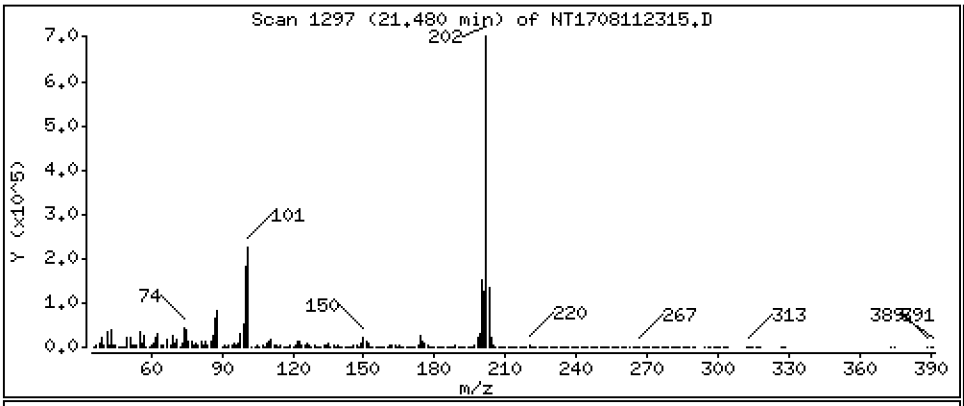
Operator: JGR

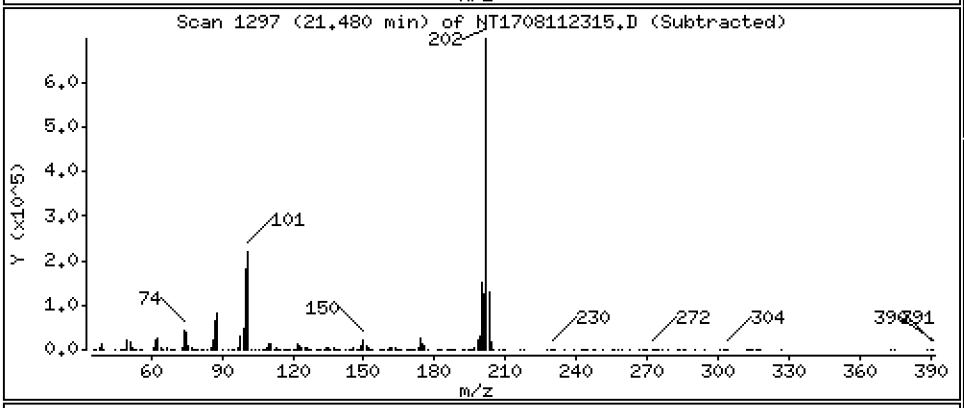
Column phase: ZB-5msi

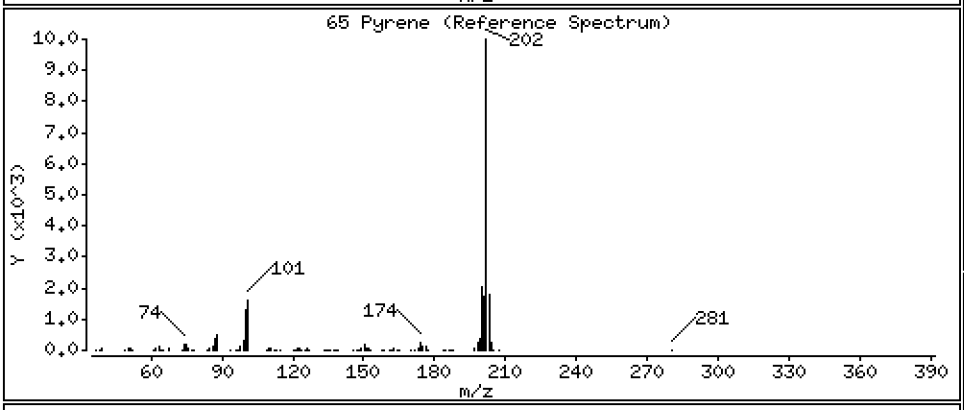
Column diameter: 0.25

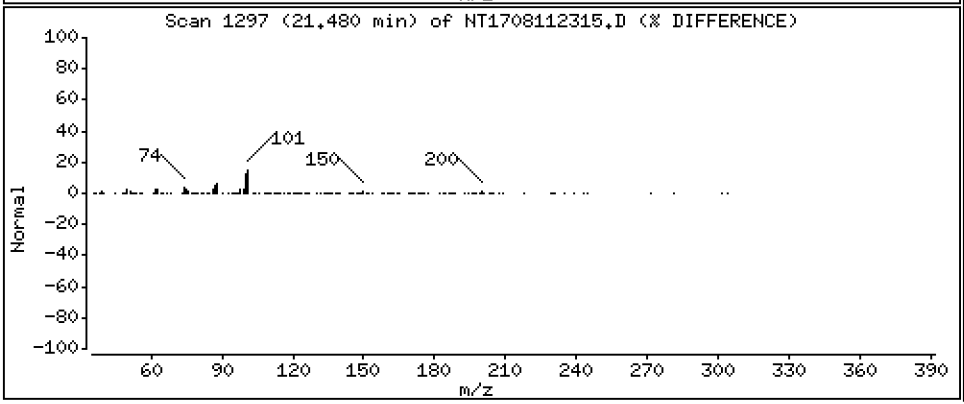
65 Pyrene

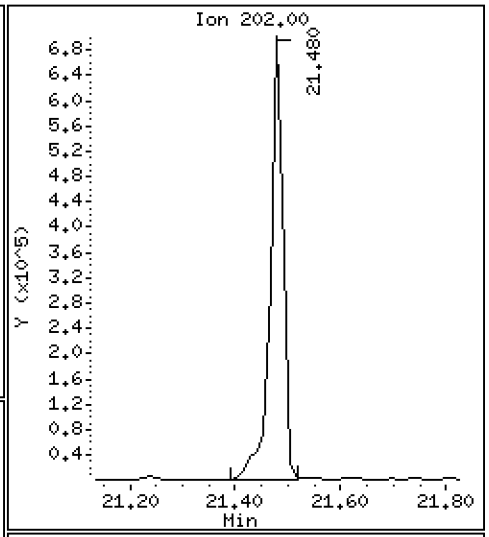
Concentration: 5.576 ug/mL

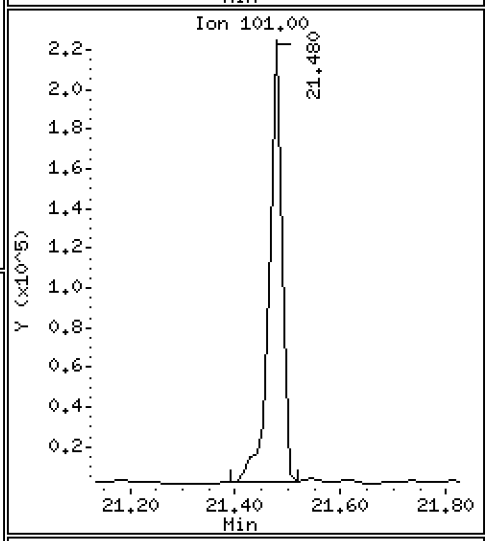


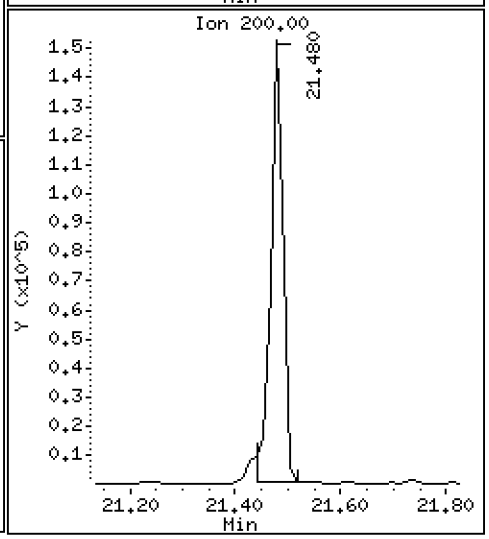












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

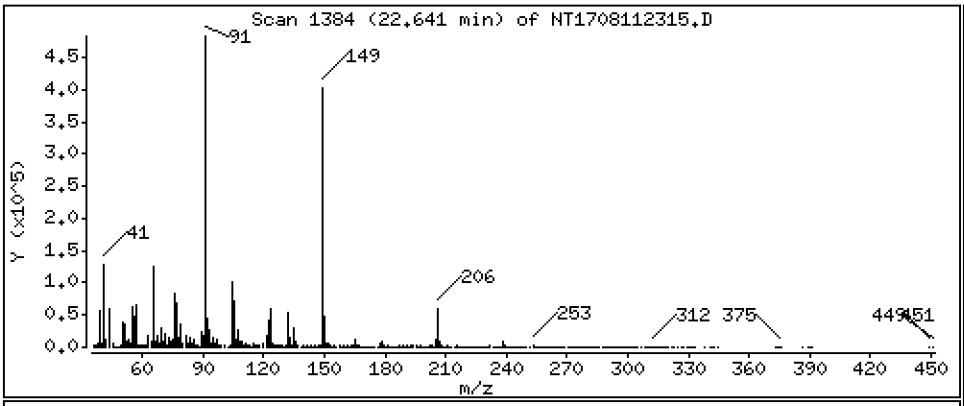
Operator: JGR

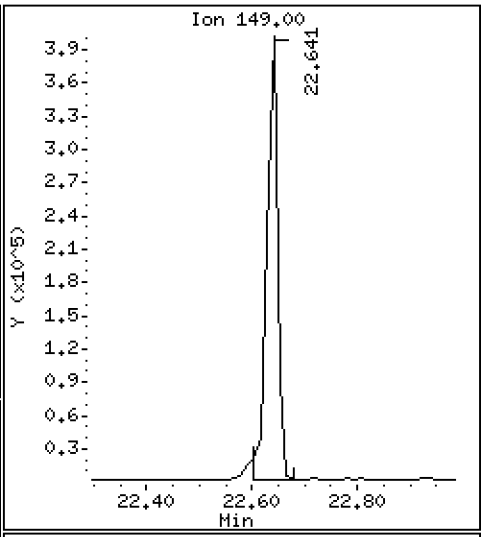
Column phase: ZB-5msi

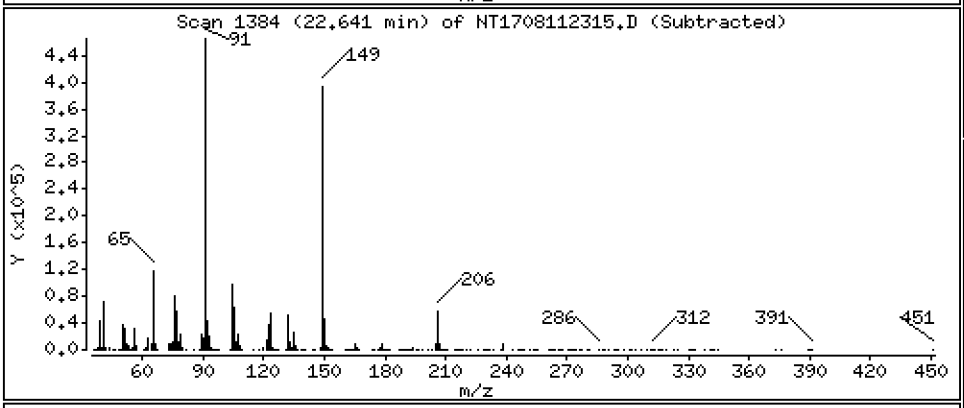
Column diameter: 0.25

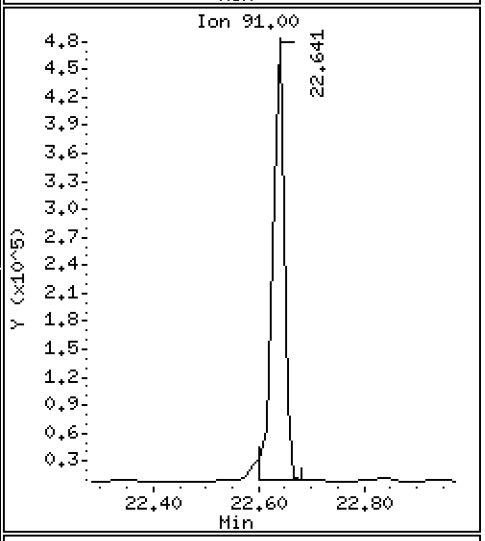
67 Butylbenzylphthalate

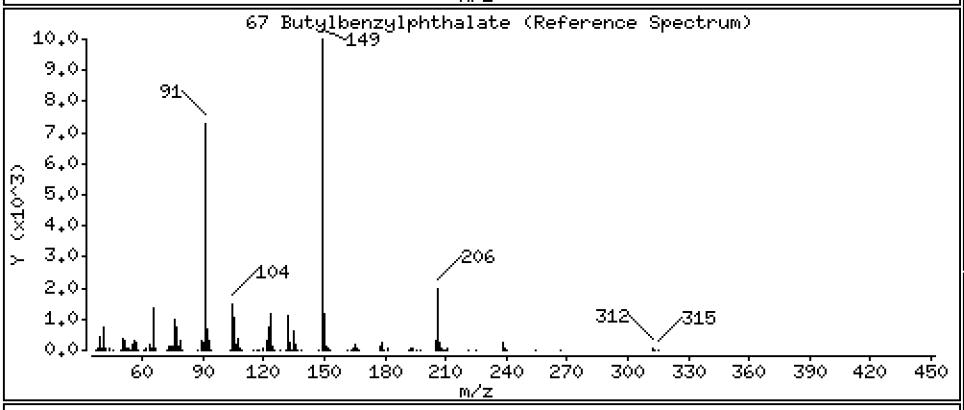
Concentration: 4.014 ug/mL

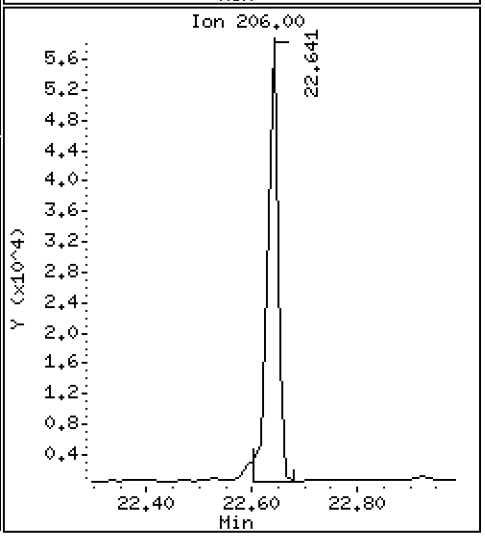


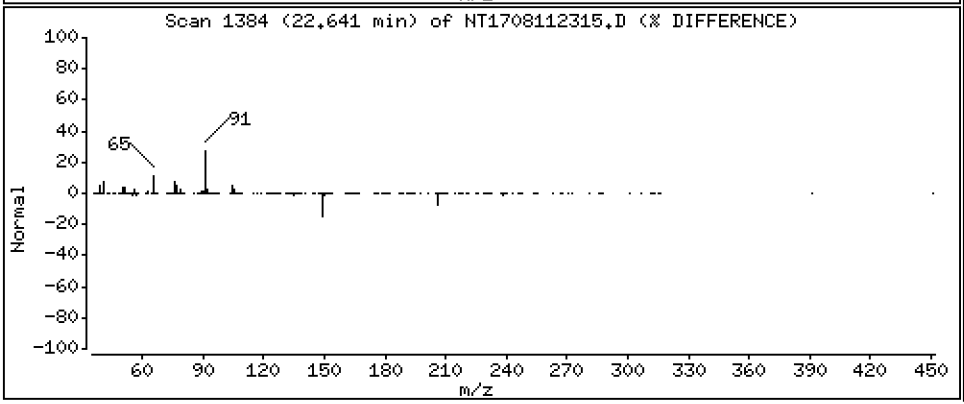












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

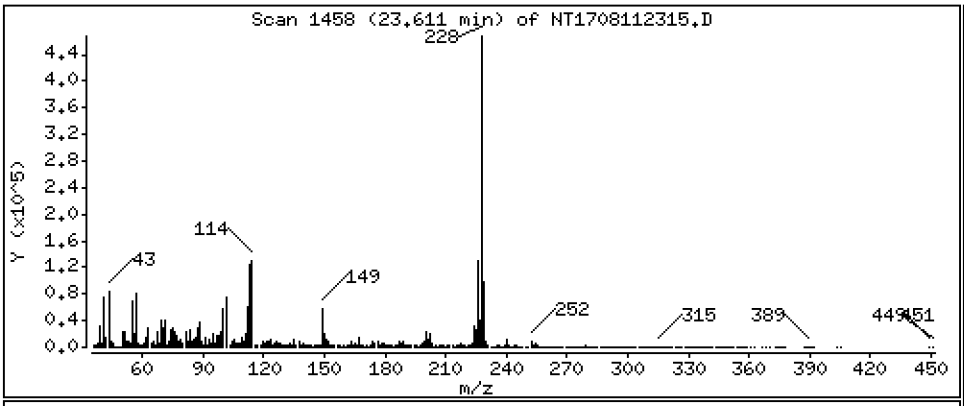
Operator: JGR

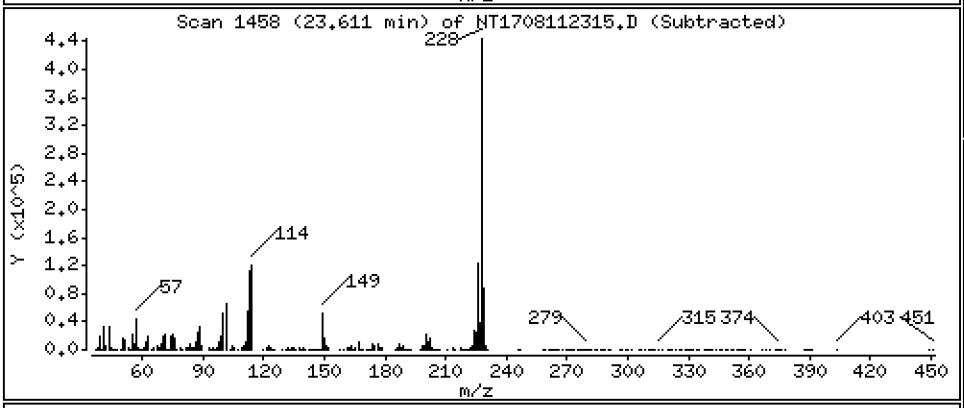
Column phase: ZB-5msi

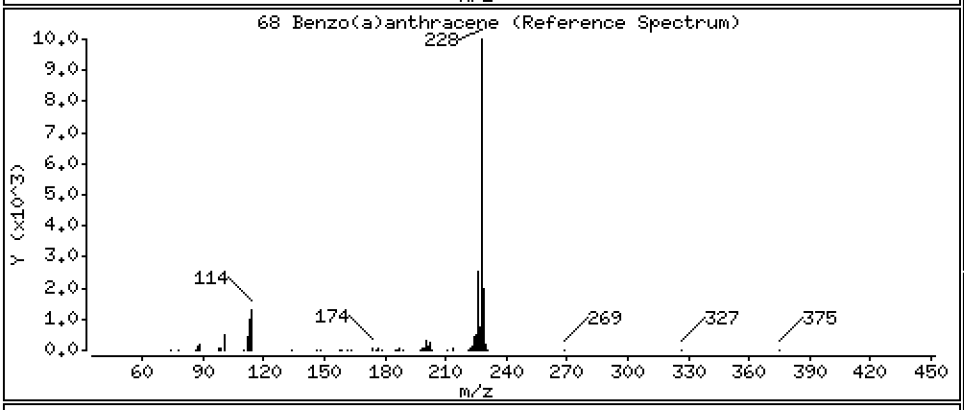
Column diameter: 0.25

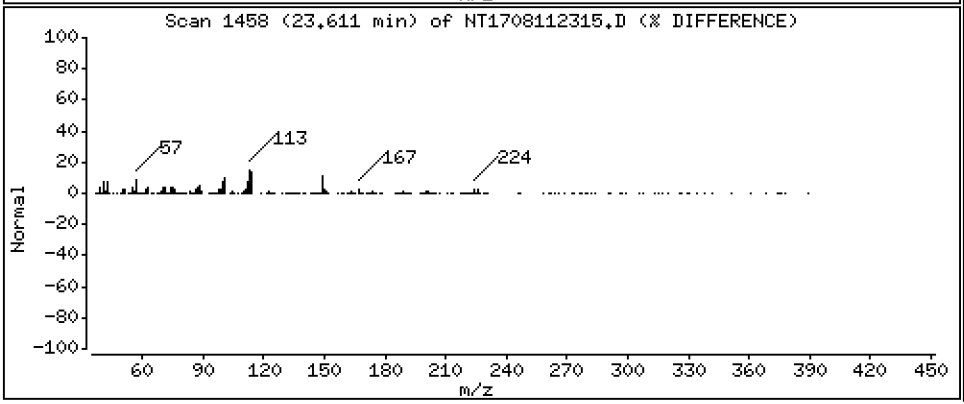
68 Benzo(a)anthracene

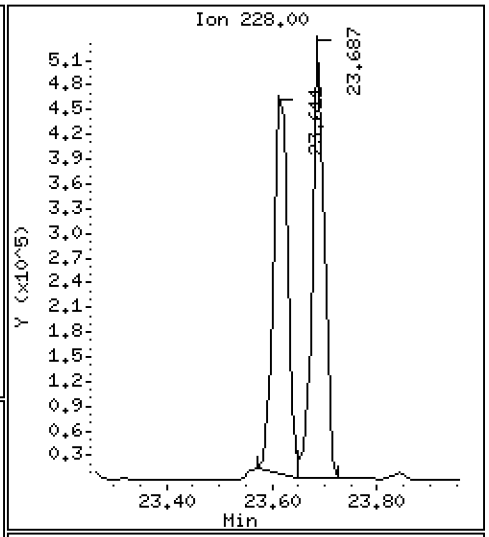
Concentration: 4.534 ug/mL

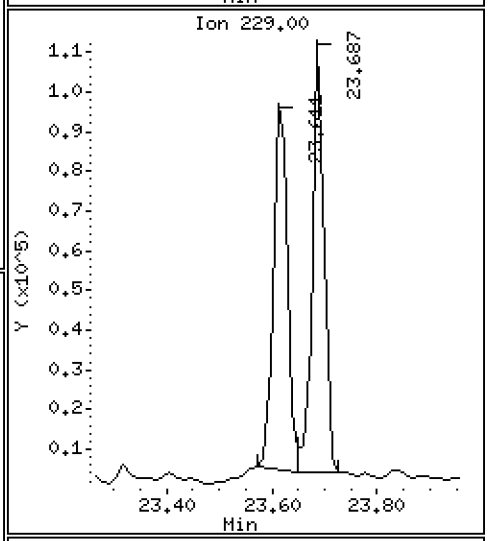


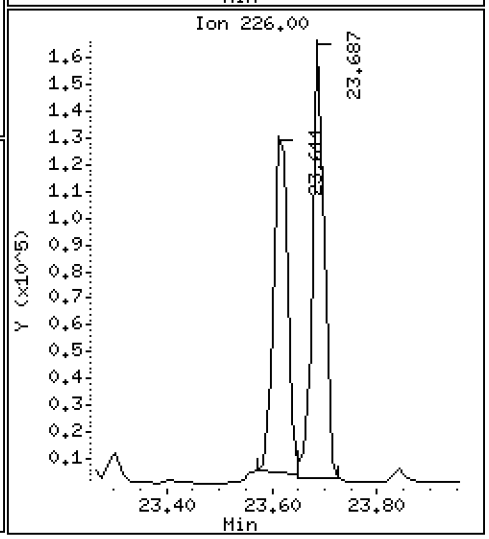












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

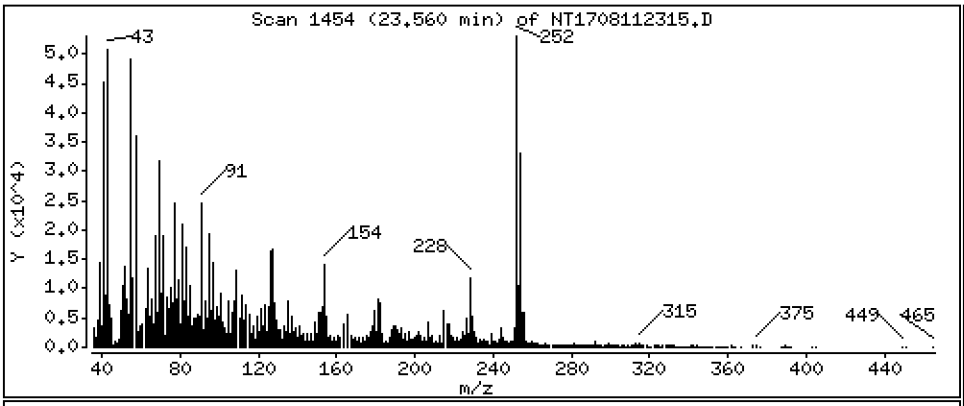
Operator: JGR

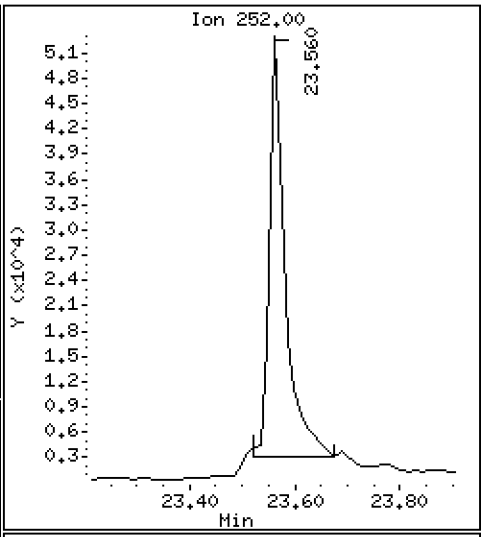
Column phase: ZB-5msi

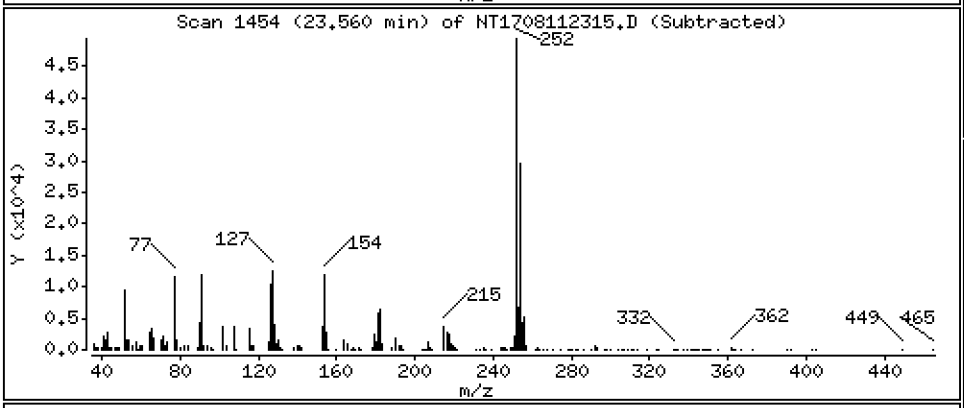
Column diameter: 0.25

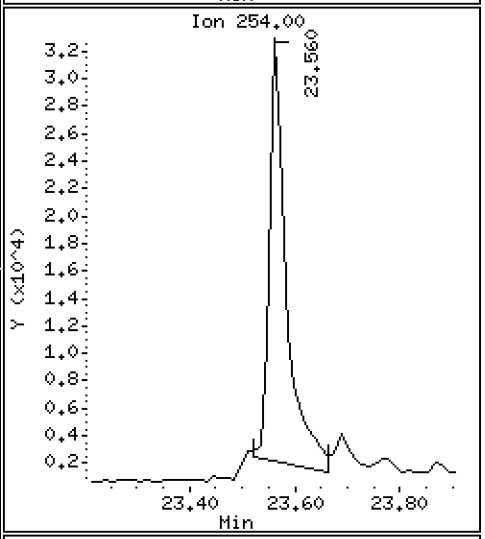
70 3,3'-Dichlorobenzidine

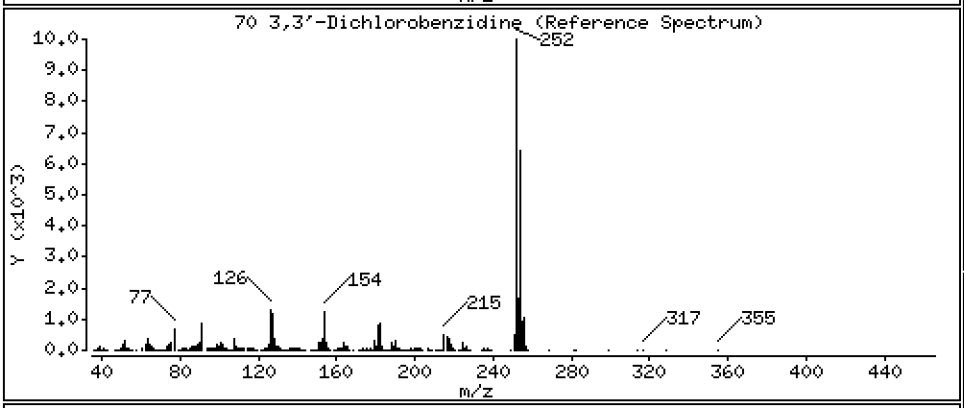
Concentration: 1.874 ug/mL

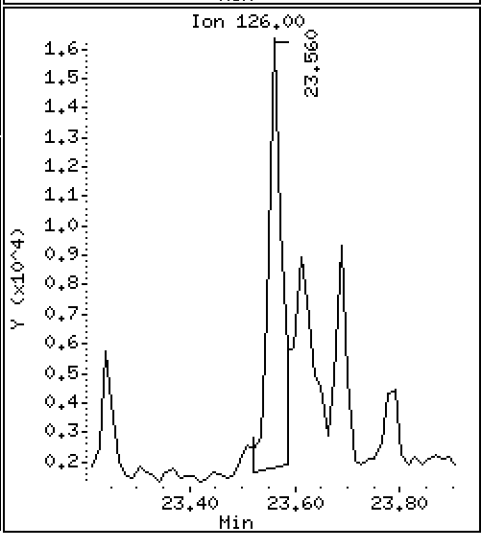


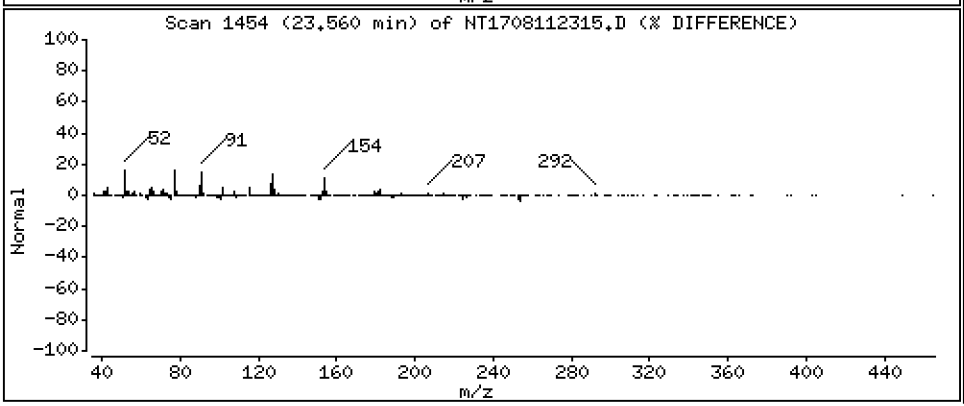












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

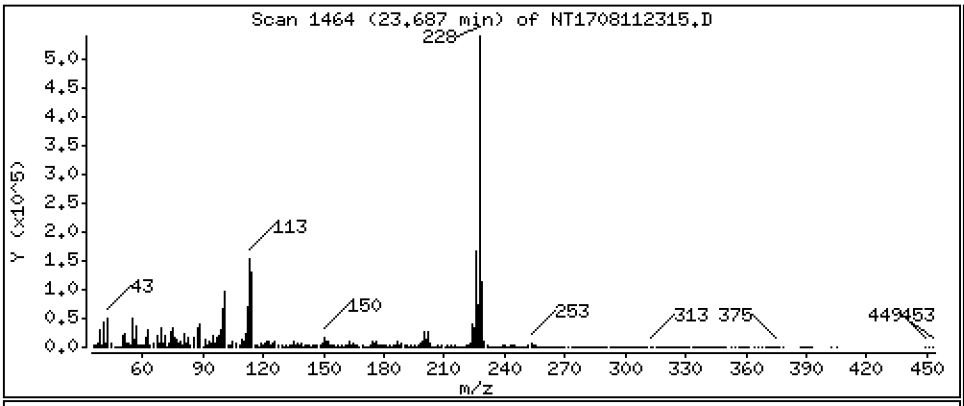
Operator: JGR

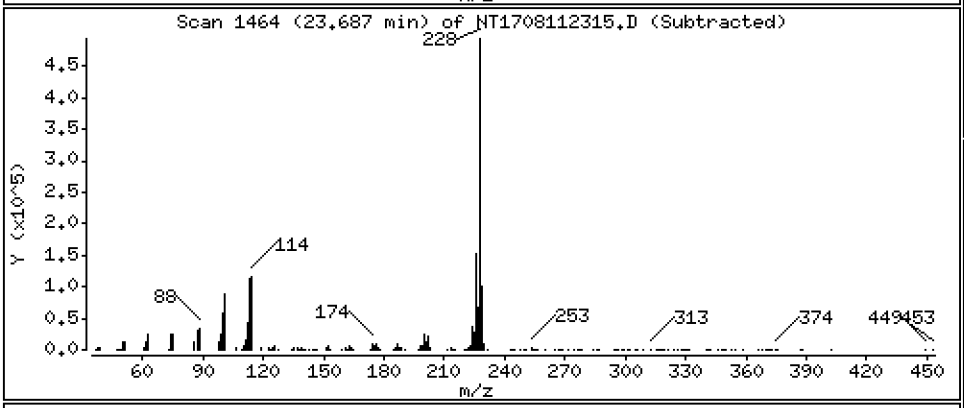
Column phase: ZB-5msi

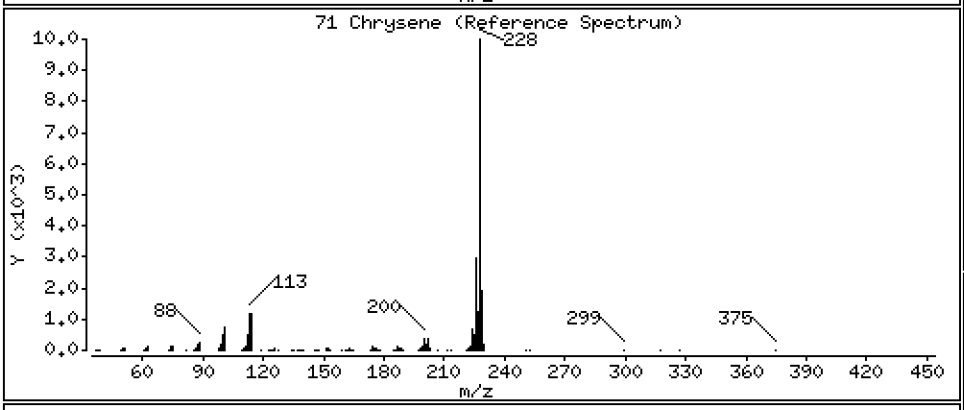
Column diameter: 0.25

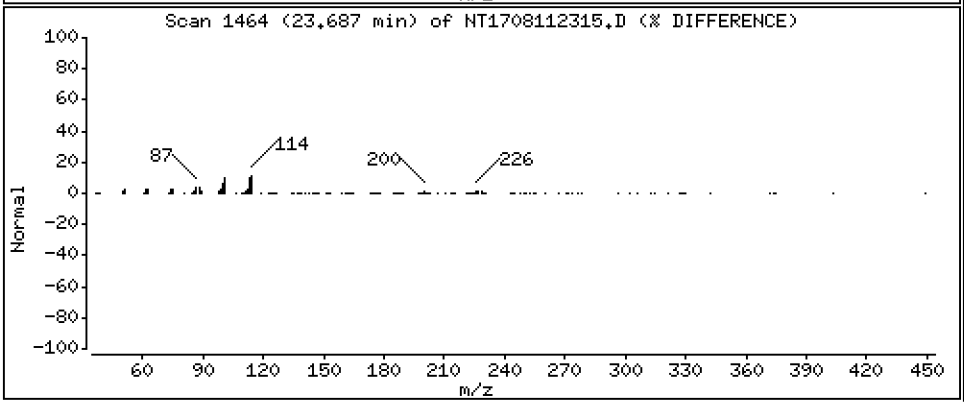
71 Chrysene

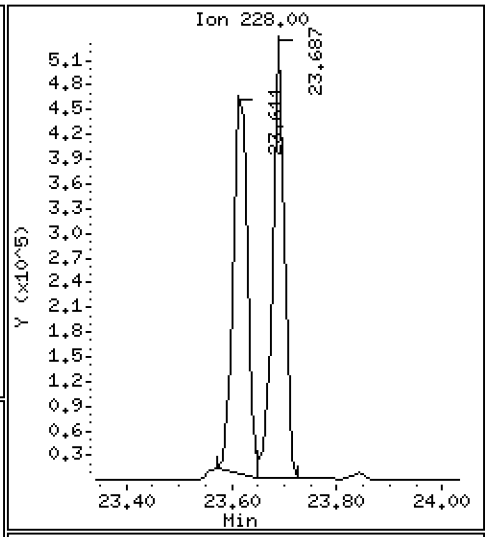
Concentration: 4.954 ug/mL

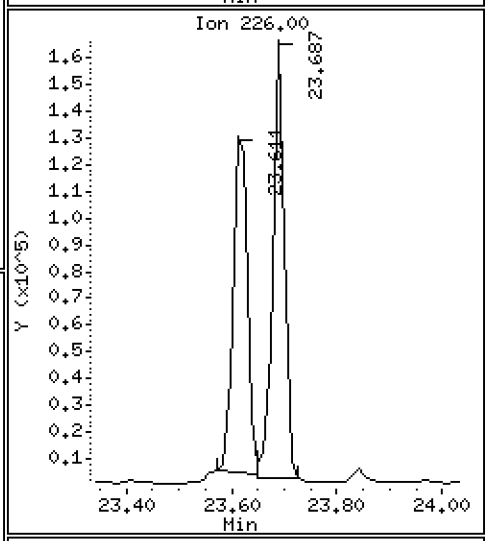


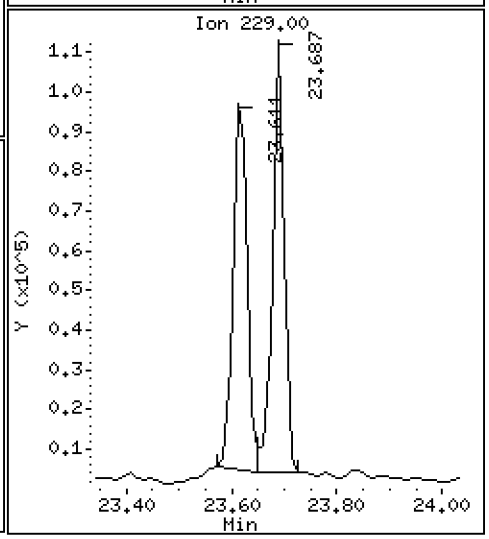












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

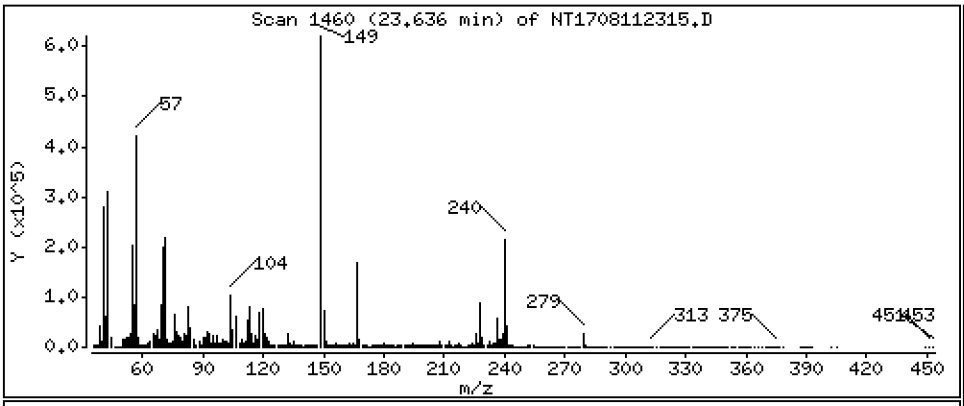
Operator: JGR

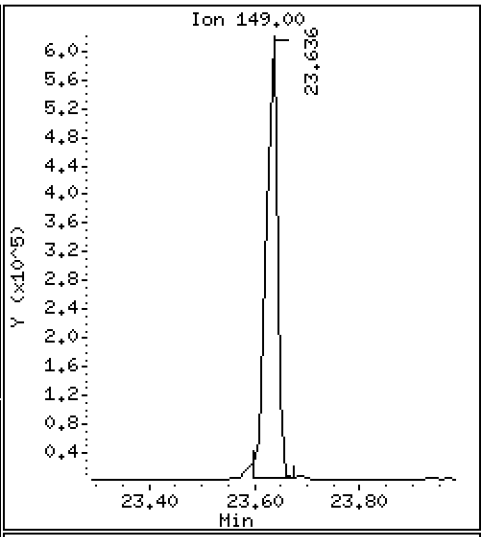
Column phase: ZB-5msi

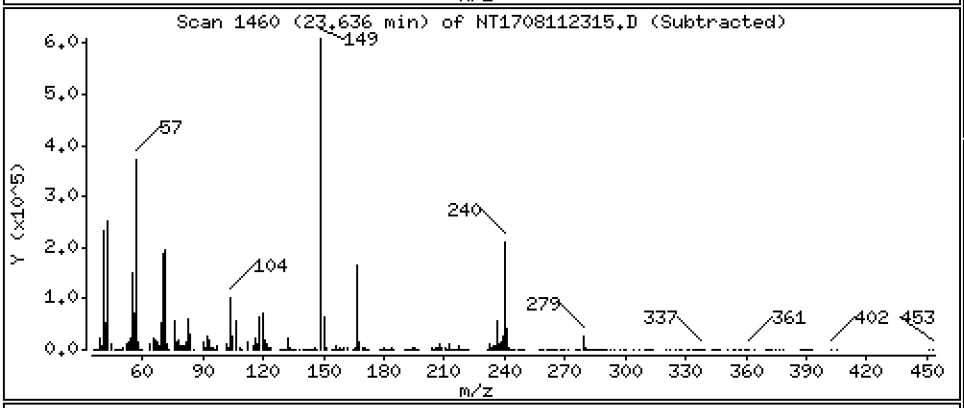
Column diameter: 0.25

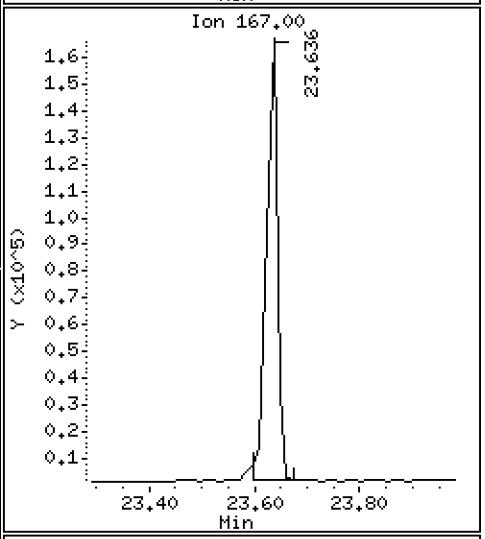
72 bis(2-Ethylhexyl)phthalate

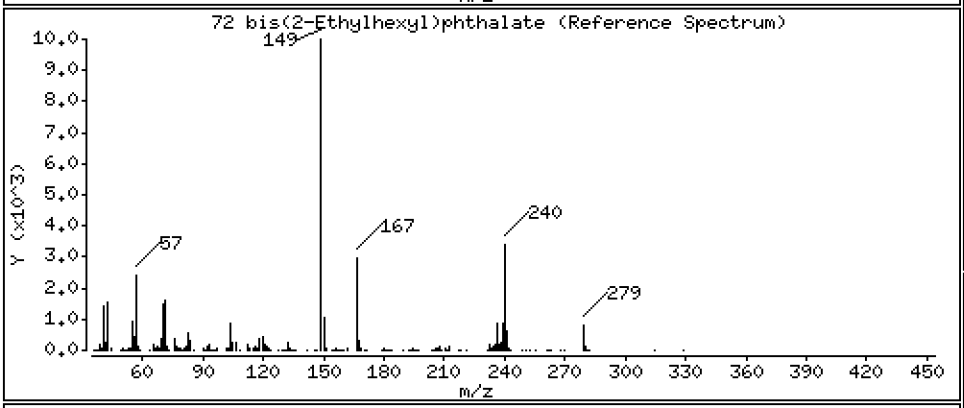
Concentration: 3.923 ug/mL

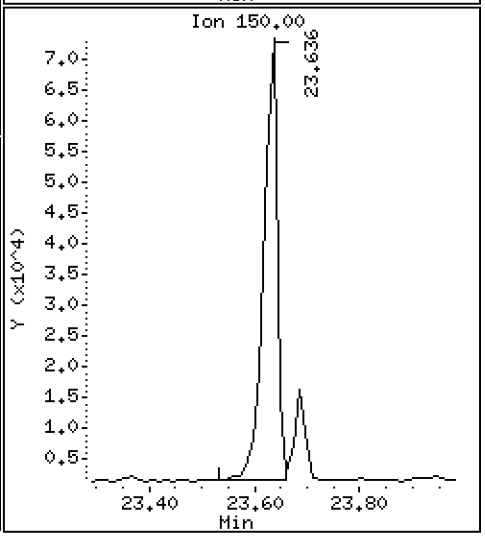


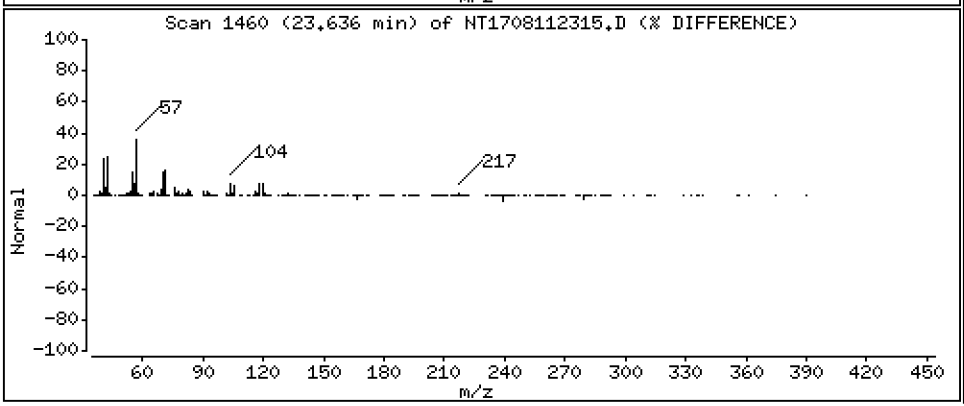












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

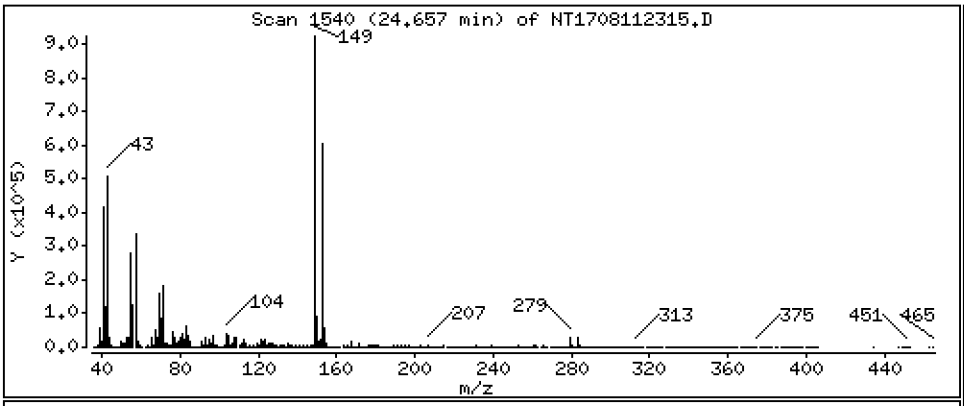
Operator: JGR

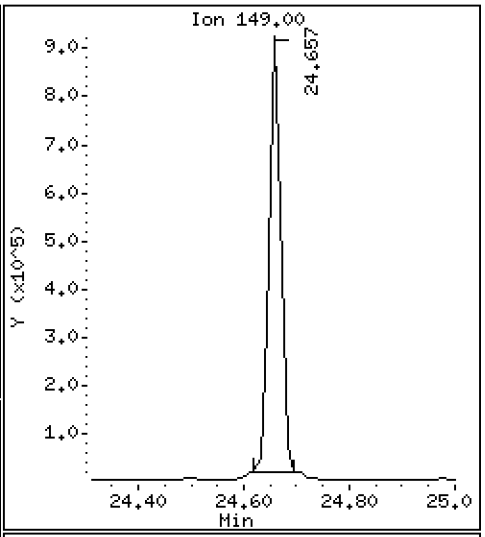
Column phase: ZB-5msi

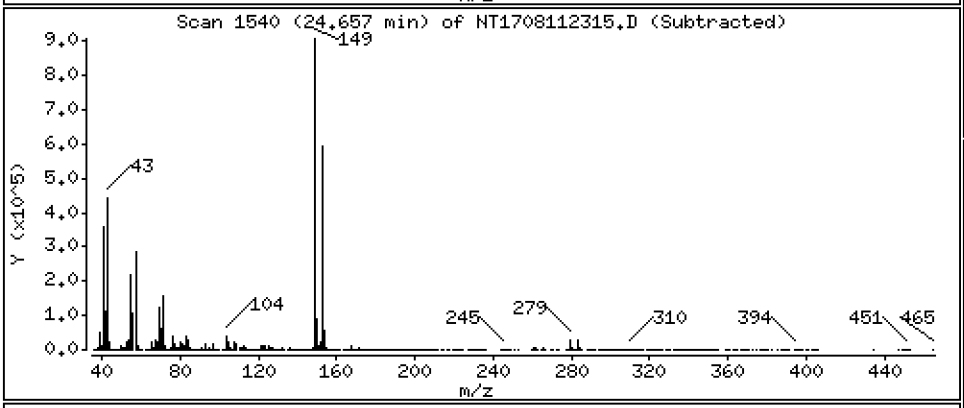
Column diameter: 0.25

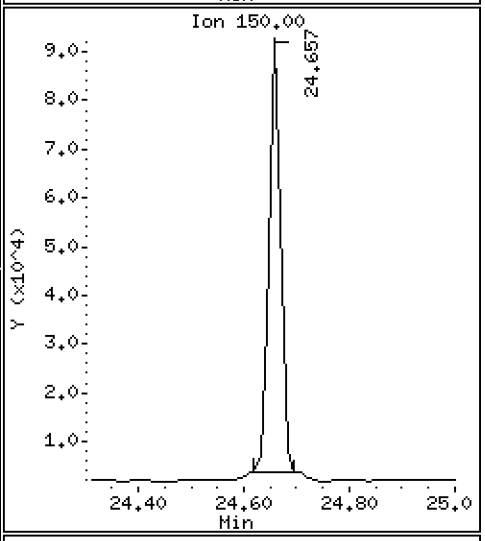
73 Di-n-octylphthalate

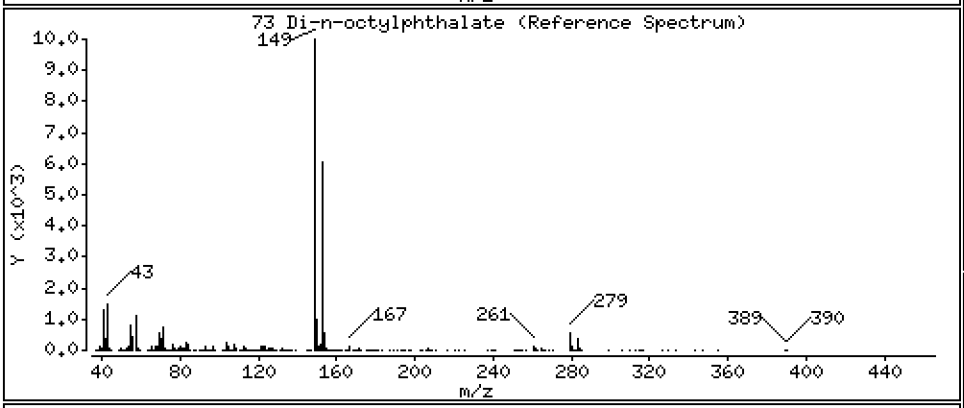
Concentration: 3.732 ug/mL

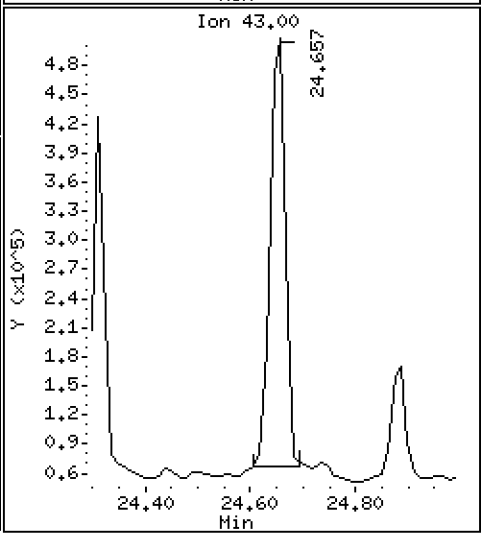


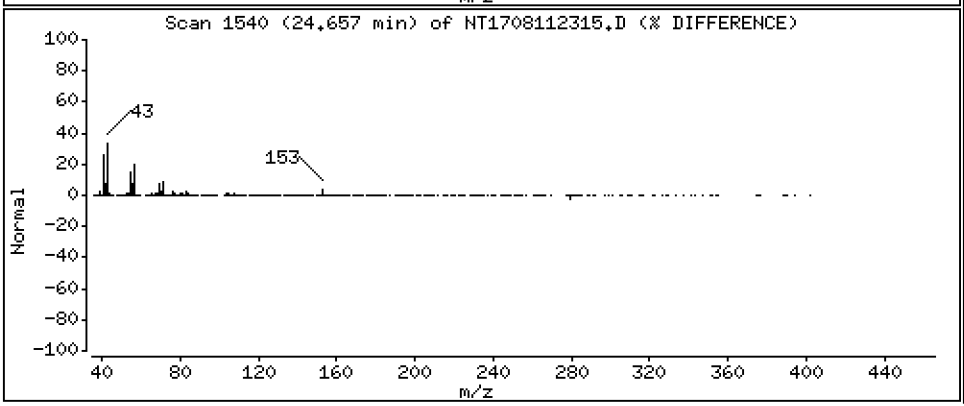












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

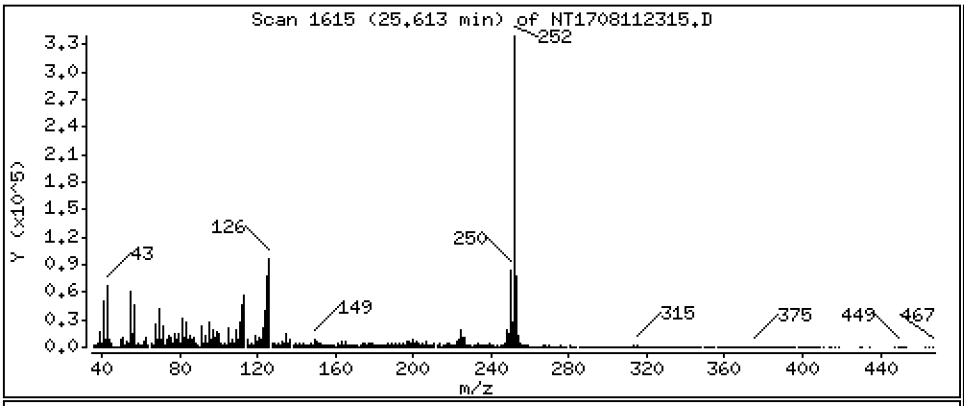
Operator: JGR

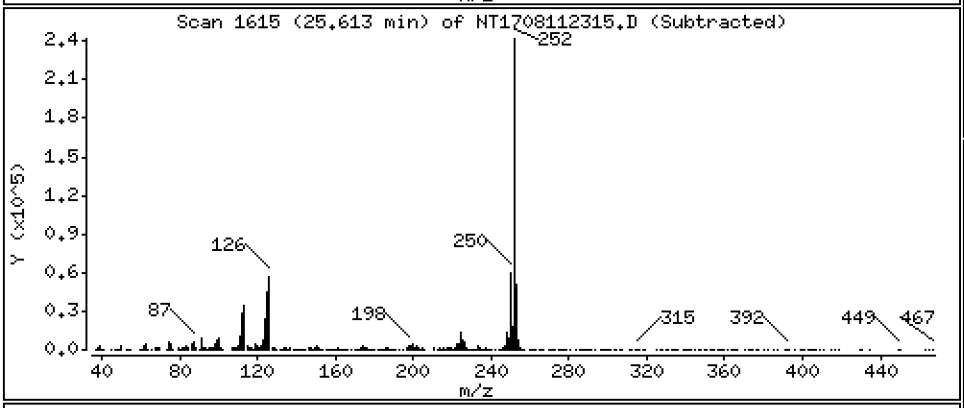
Column phase: ZB-5msi

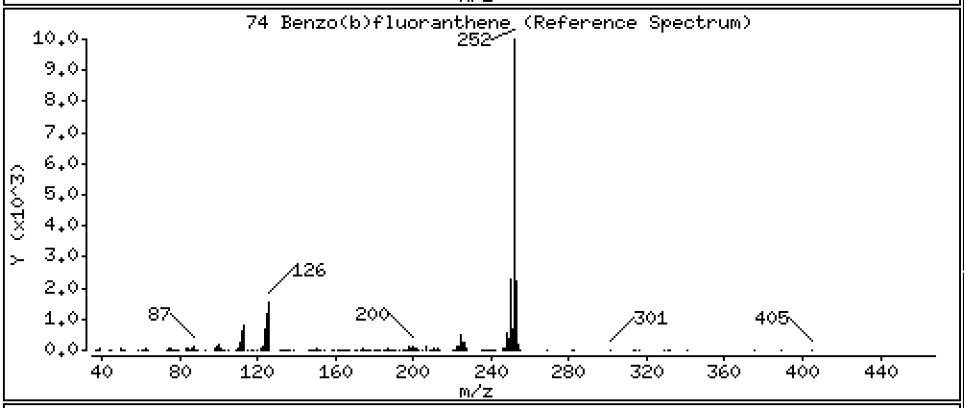
Column diameter: 0.25

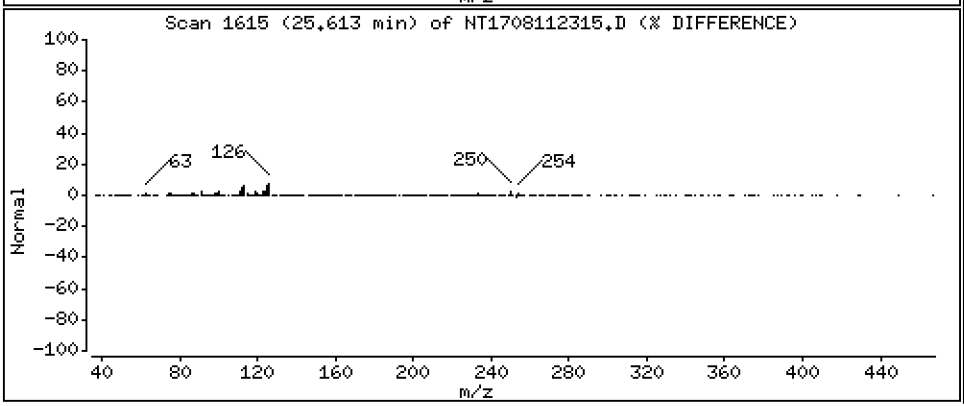
74 Benzo(b)fluoranthene

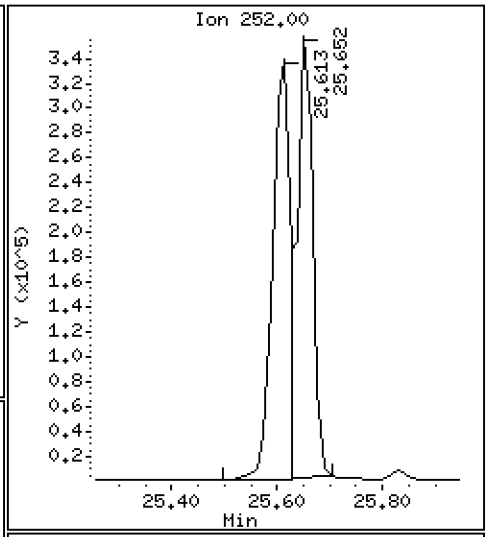
Concentration: 3.887 ug/mL

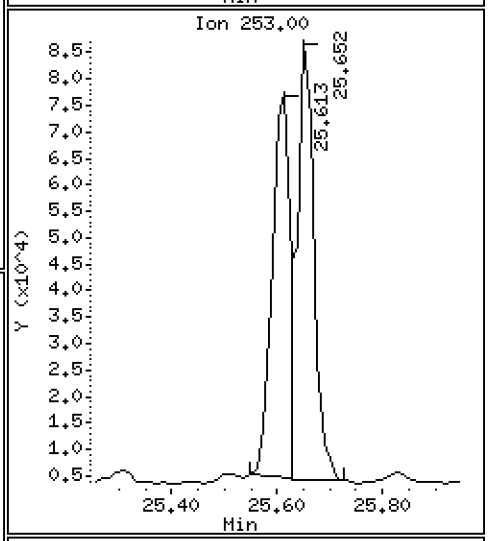


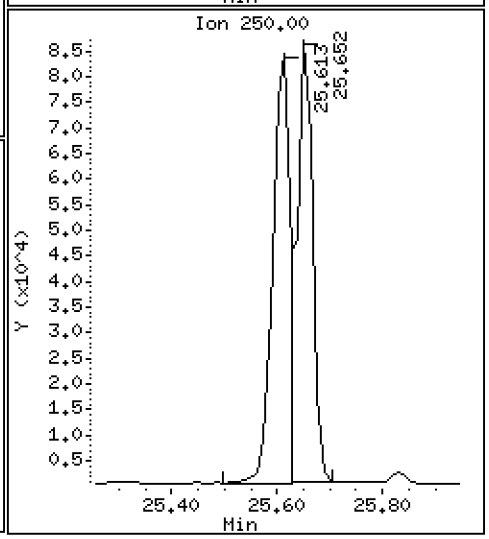












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

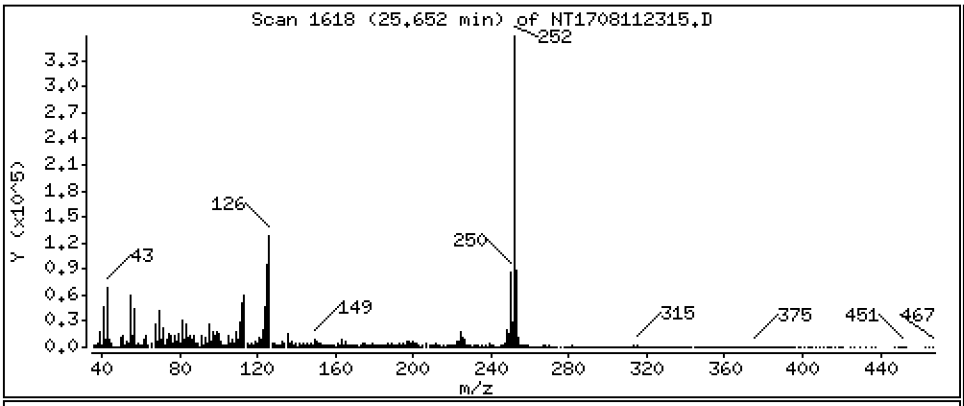
Operator: JGR

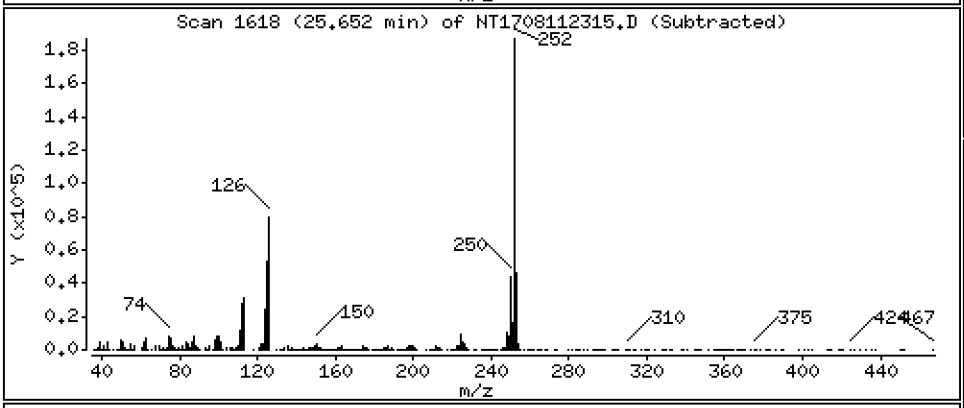
Column phase: ZB-5msi

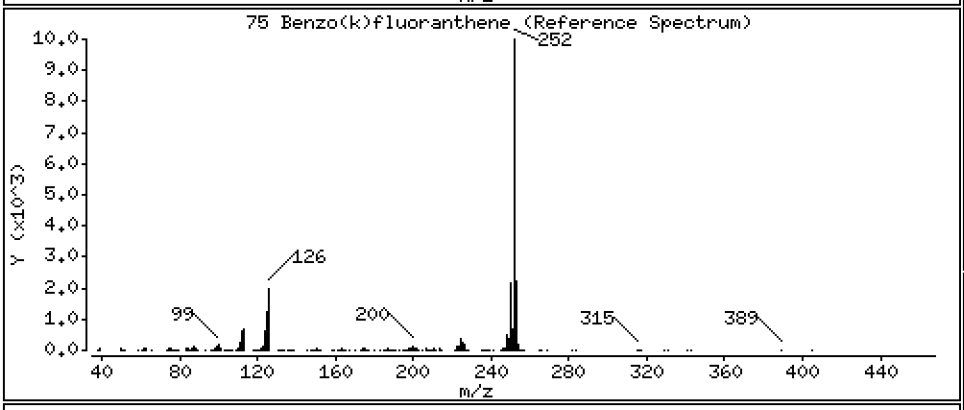
Column diameter: 0.25

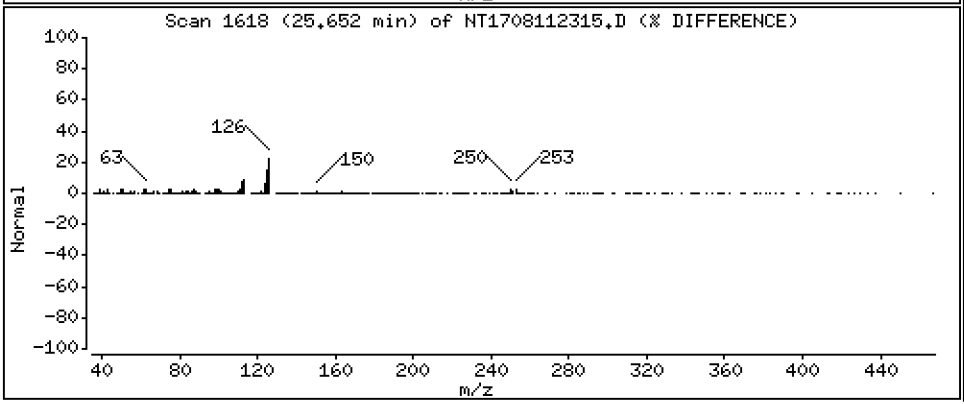
75 Benzo(k)fluoranthene

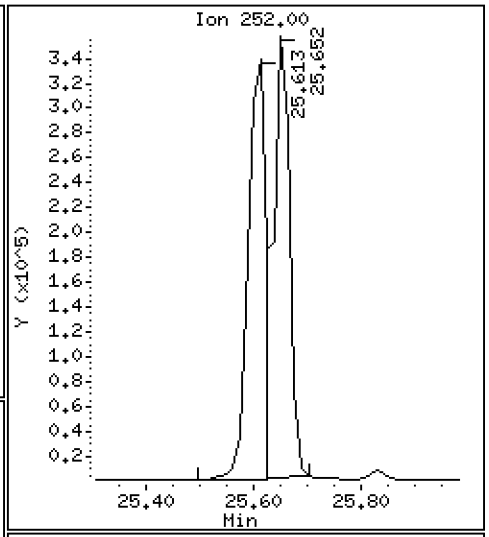
Concentration: 4.901 ug/mL

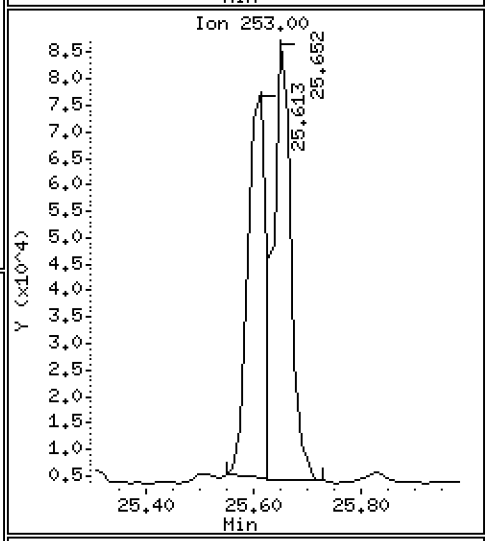


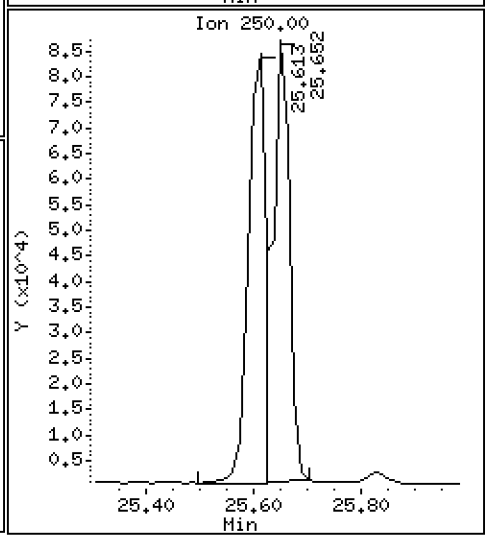












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

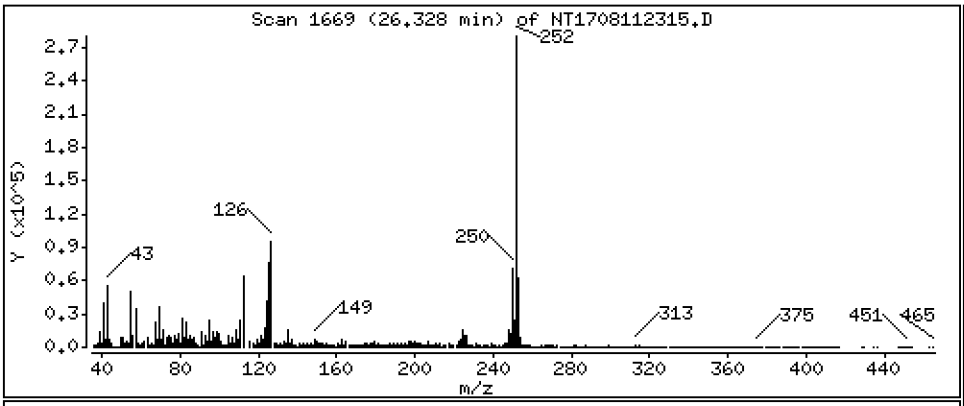
Operator: JGR

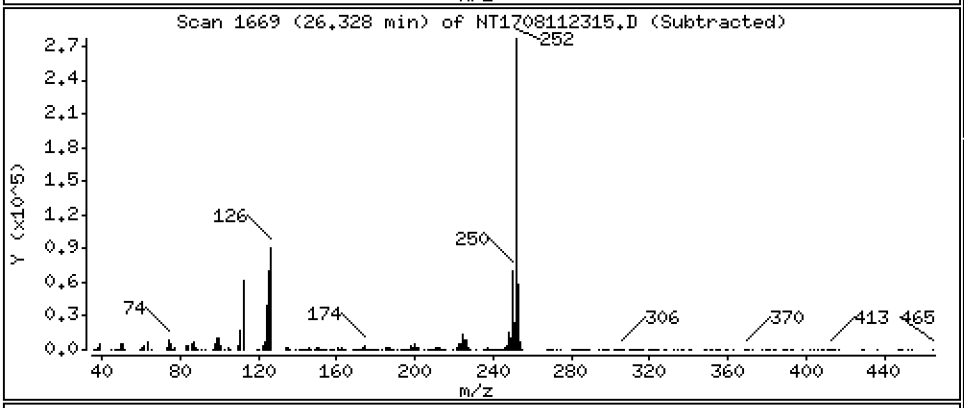
Column phase: ZB-5msi

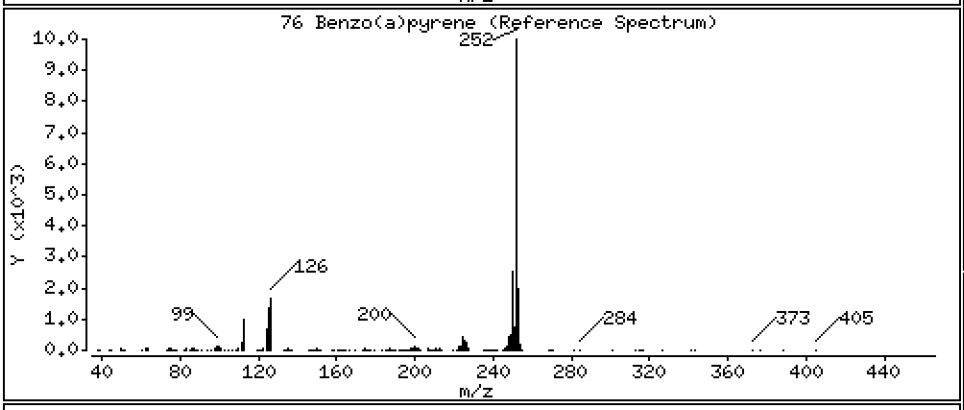
Column diameter: 0.25

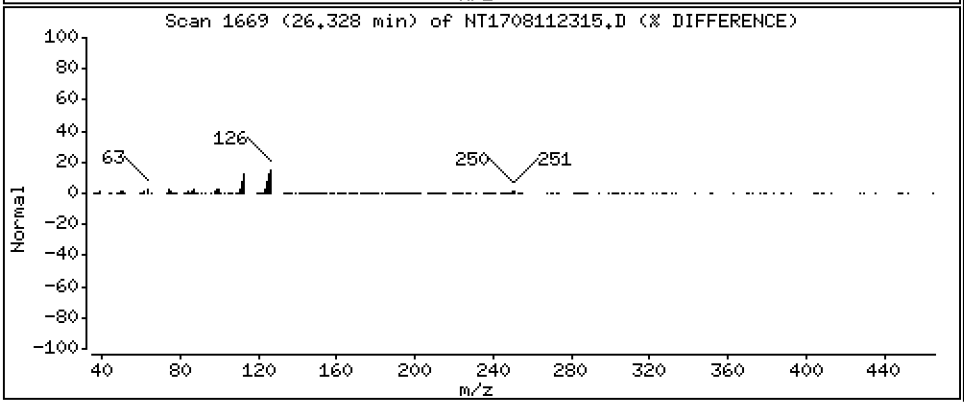
76 Benzo(a)pyrene

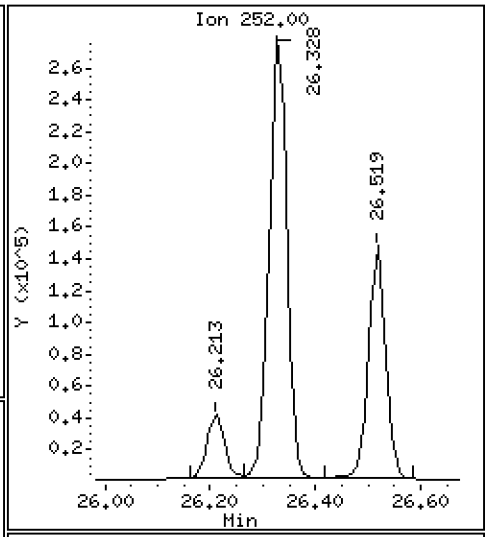
Concentration: 4.275 ug/mL

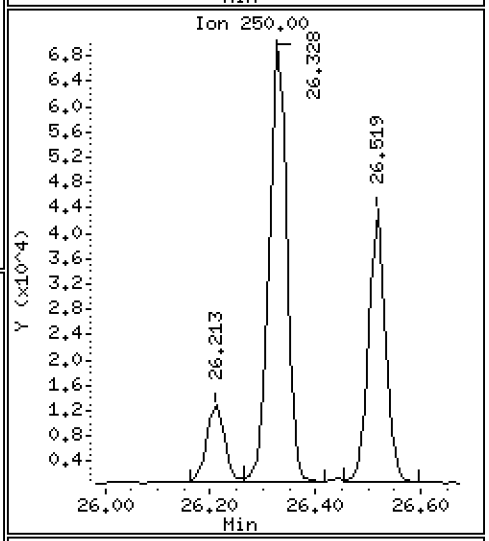


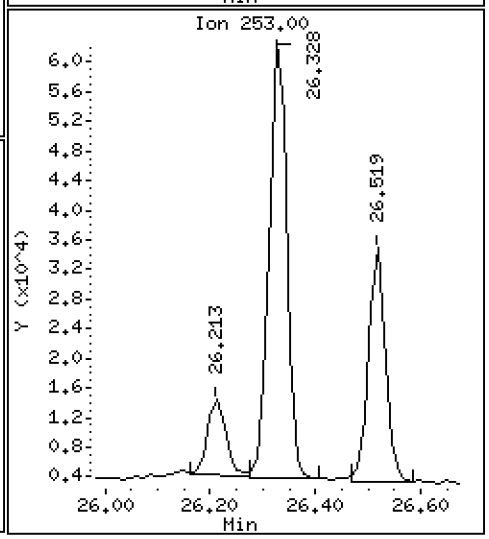












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

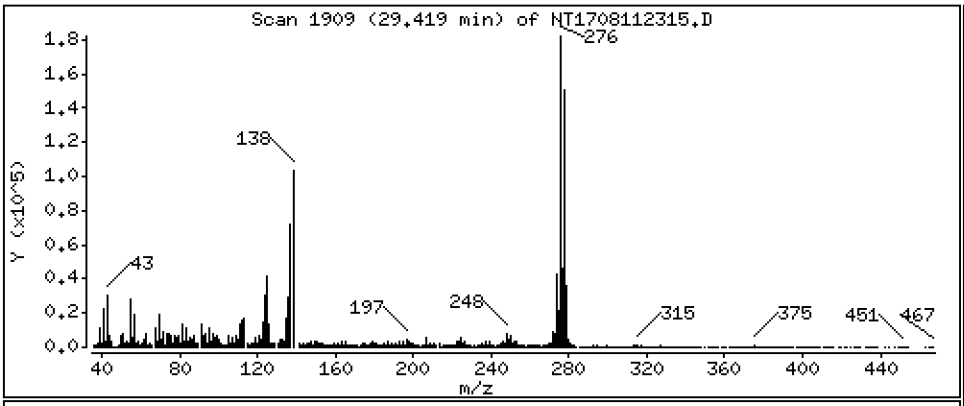
Operator: JGR

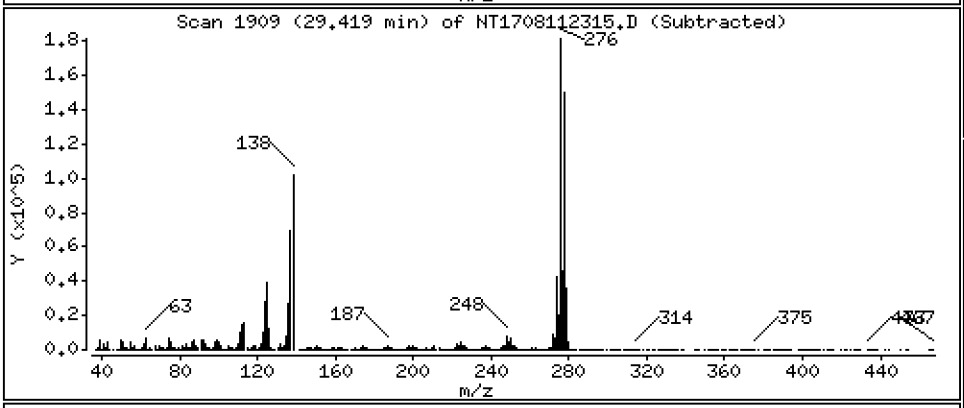
Column phase: ZB-5msi

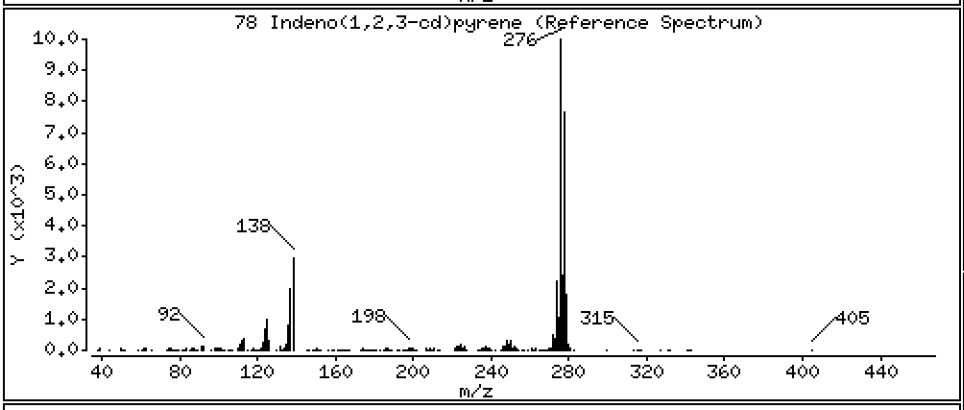
Column diameter: 0.25

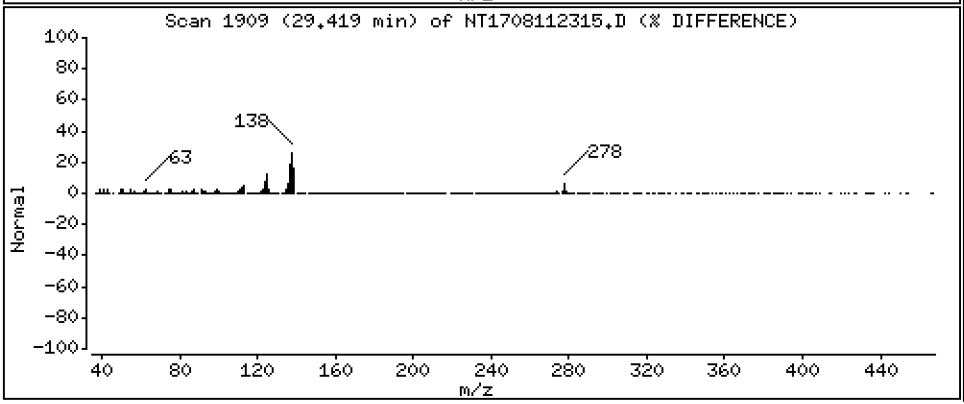
78 Indeno(1,2,3-cd)pyrene

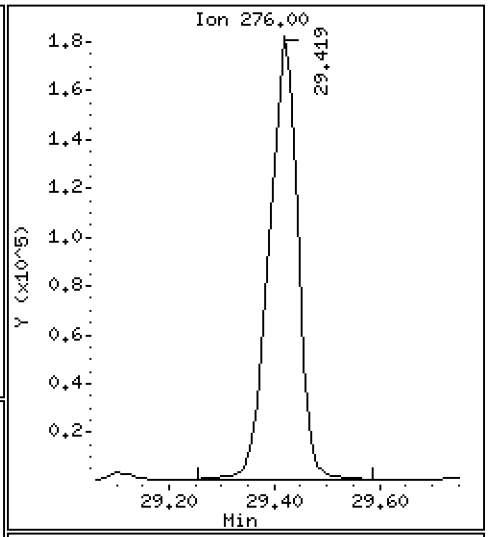
Concentration: 3.723 ug/mL

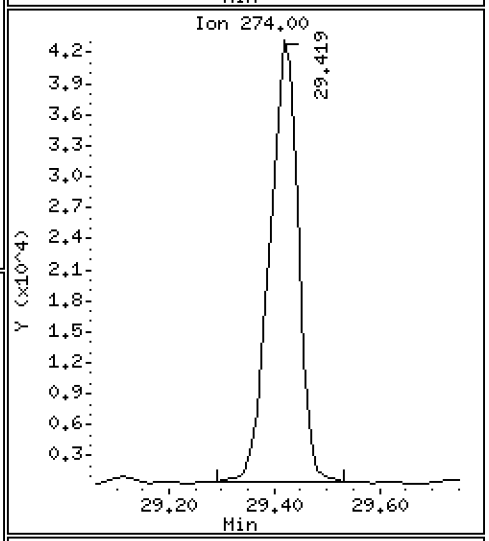


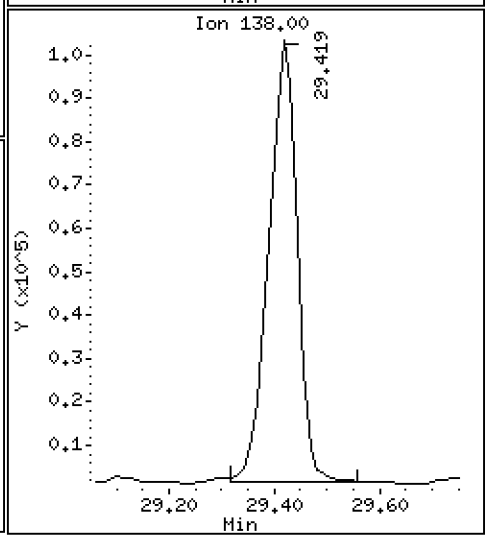












Date : 11-AUG-2023 20:57

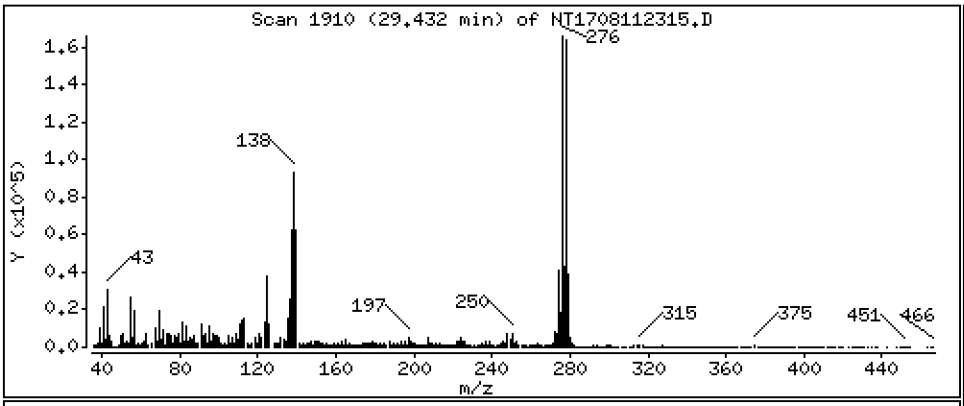
Client ID: Instrument: nt17.i

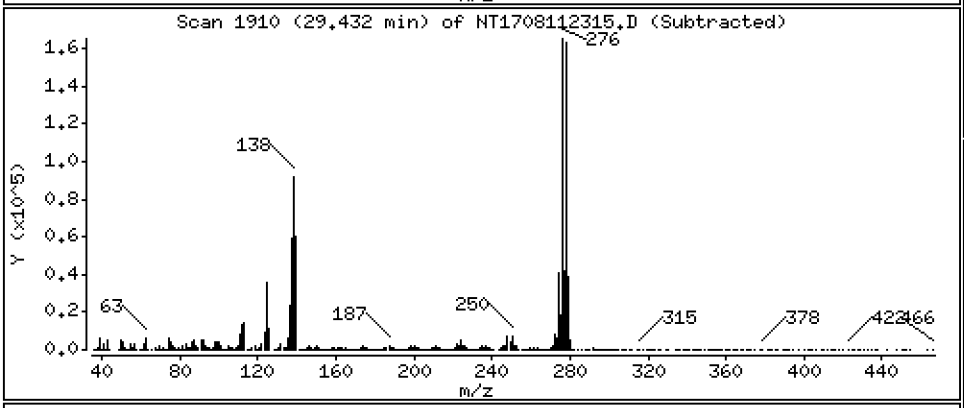
Sample Info: BLH0180-MS1

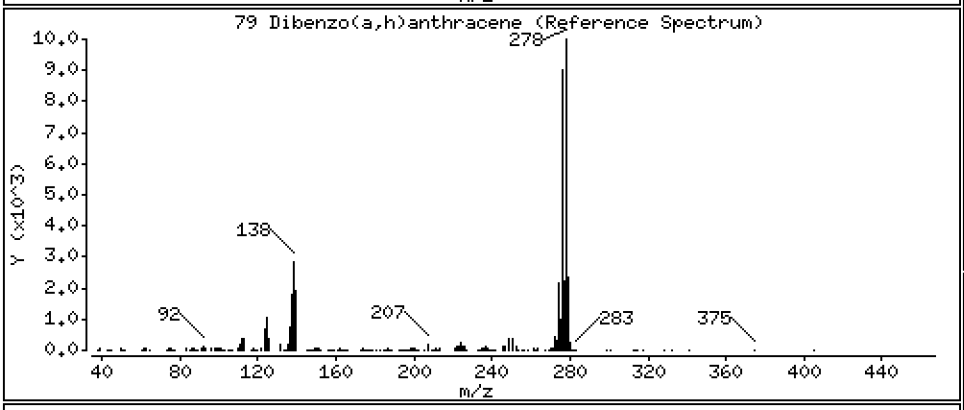
Operator: JGR

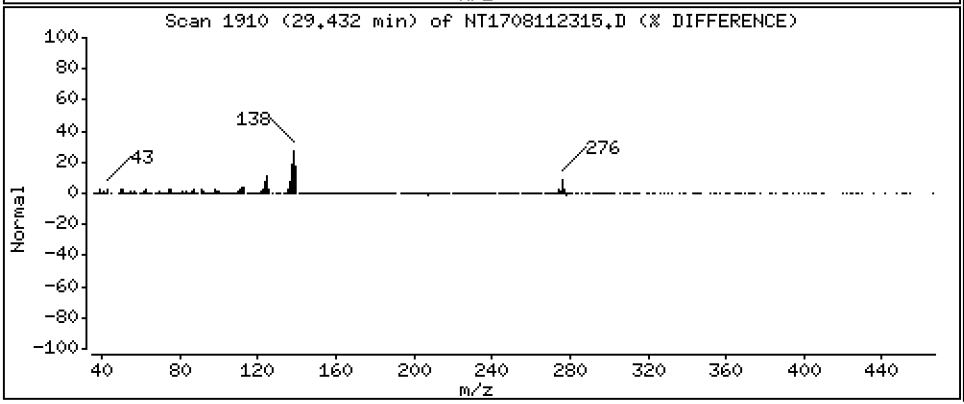
Column phase: ZB-5msi Column diameter: 0.25

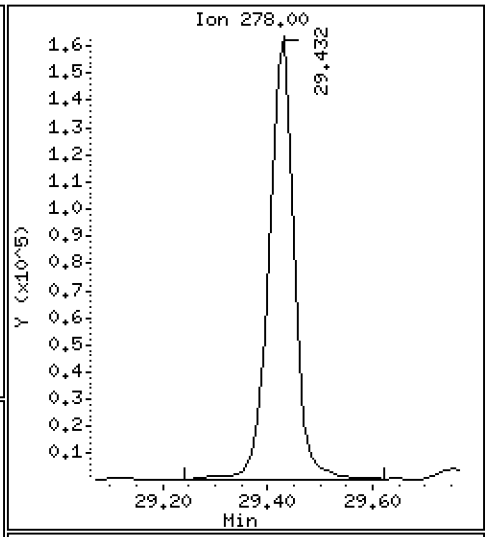
79 Dibenzo(a,h)anthracene Concentration: 3.396 ug/mL

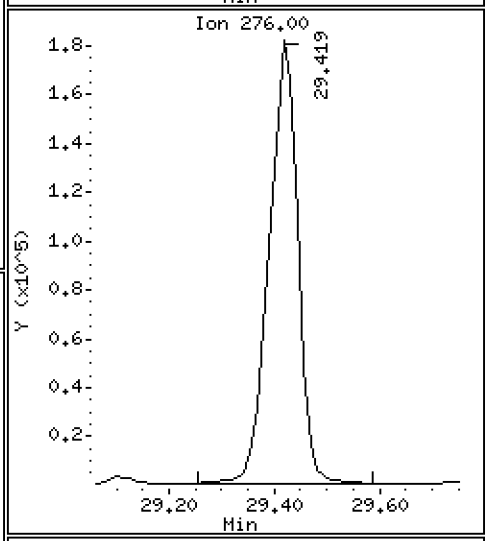


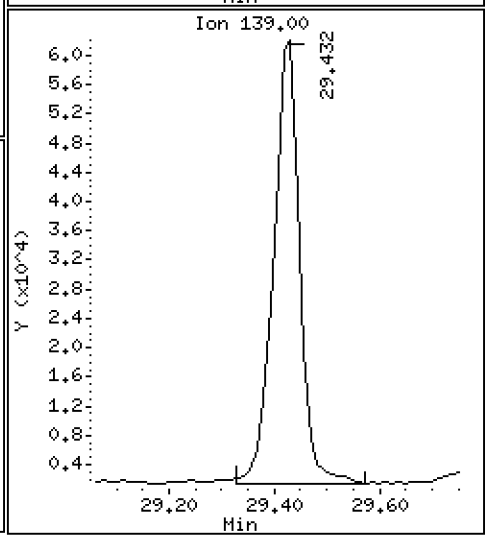












Date : 11-AUG-2023 20:57

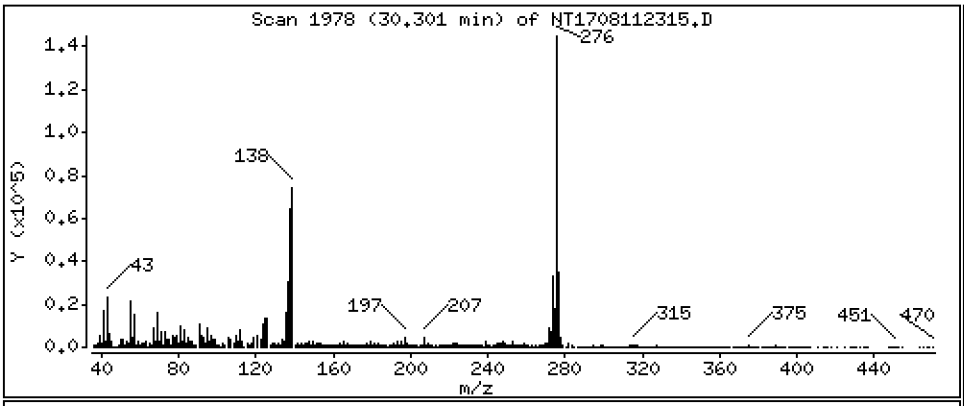
Client ID: Instrument: nt17.i

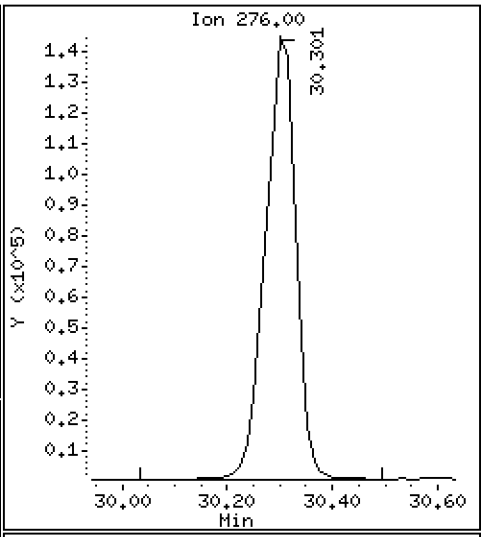
Sample Info: BLH0180-MS1

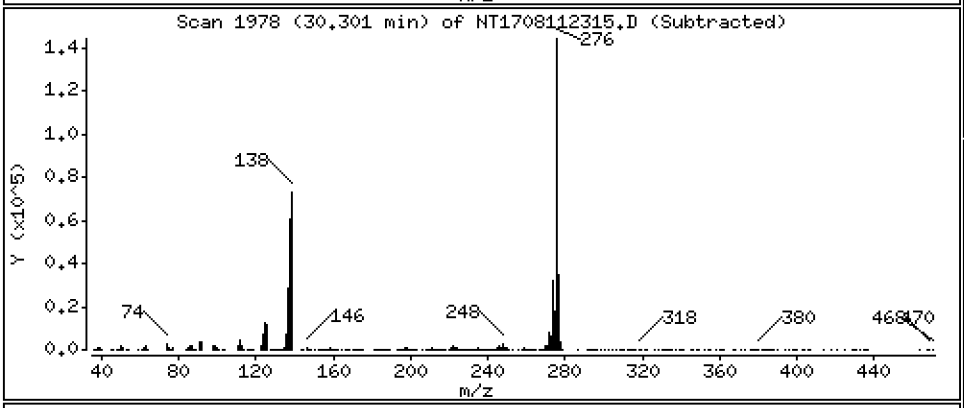
Operator: JGR

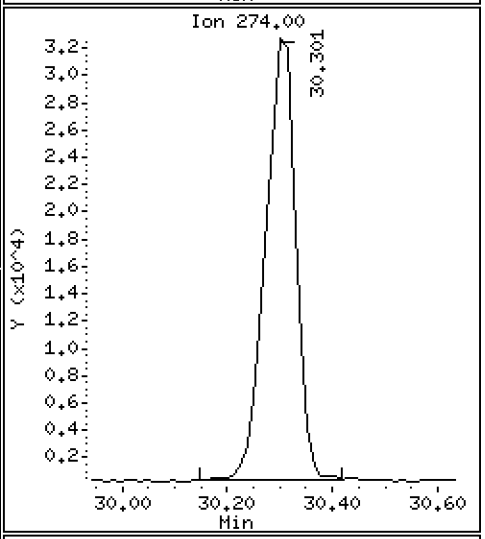
Column phase: ZB-5msi Column diameter: 0.25

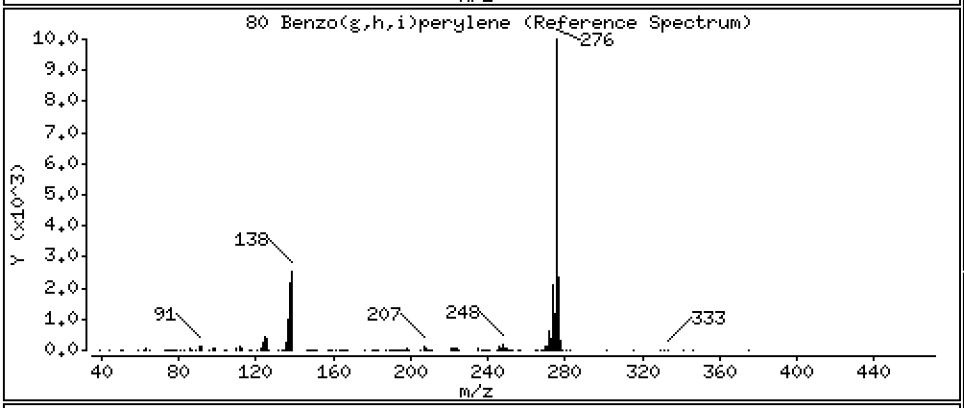
80 Benzo(g,h,i)perylene Concentration: 4.498 ug/mL

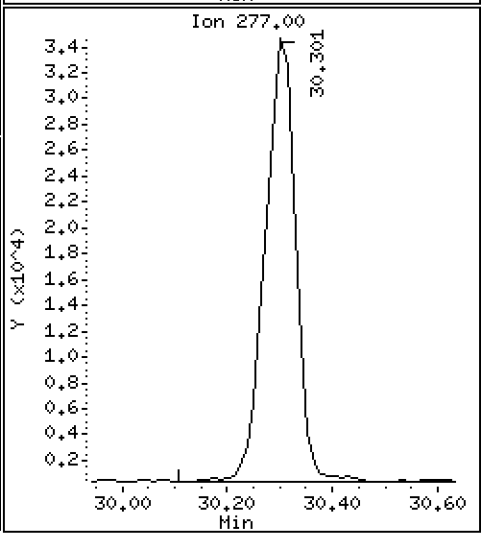


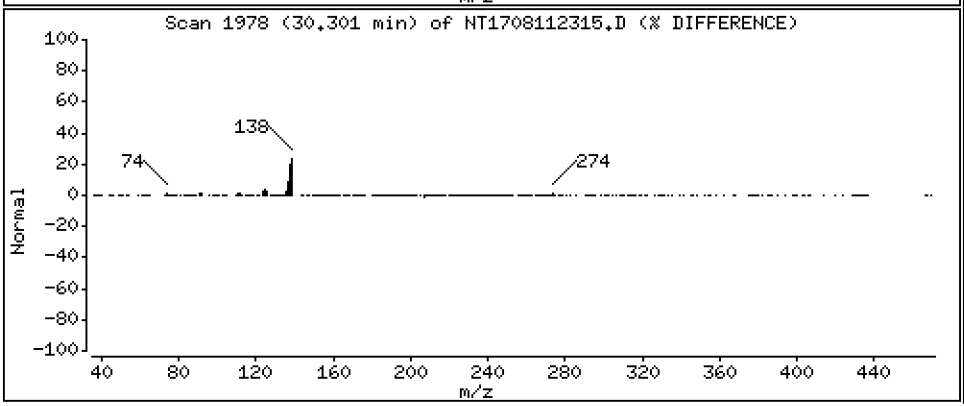












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

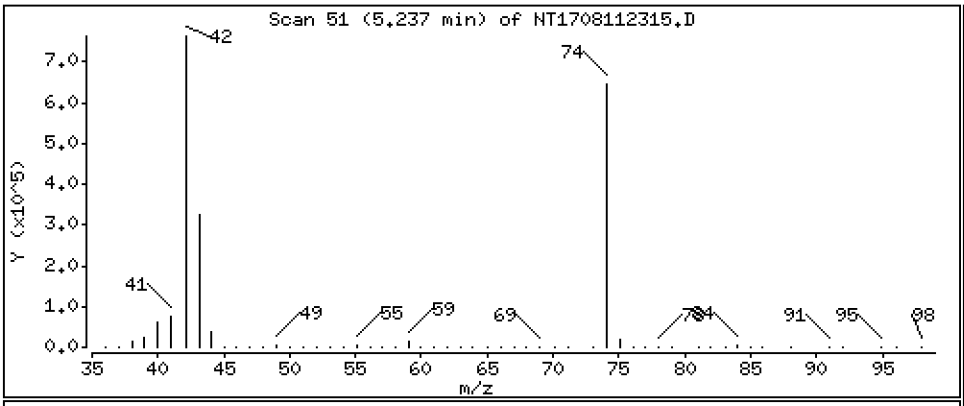
Operator: JGR

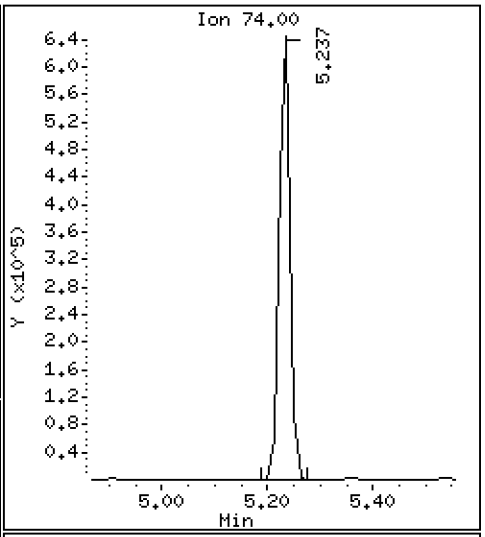
Column phase: ZB-5msi

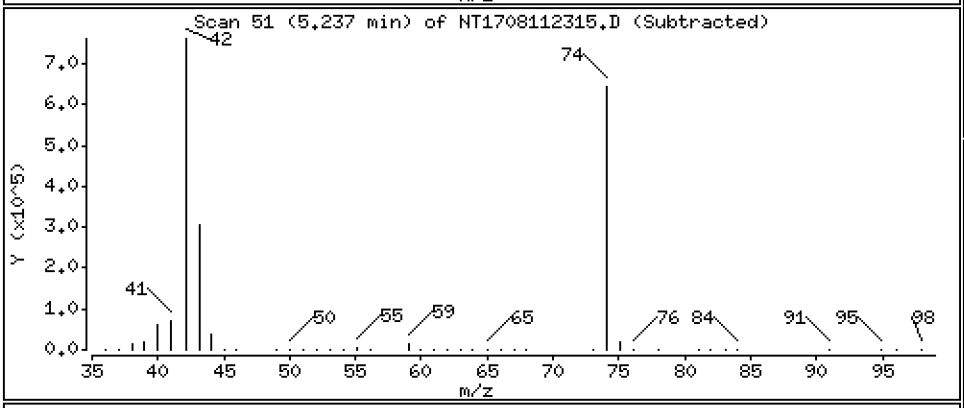
Column diameter: 0.25

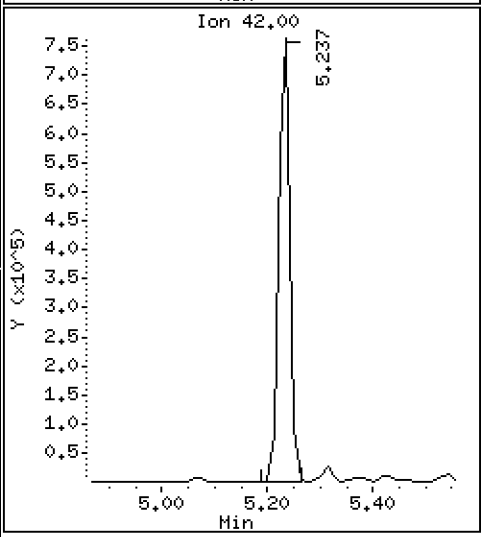
90 N-Nitrosodimethylamine

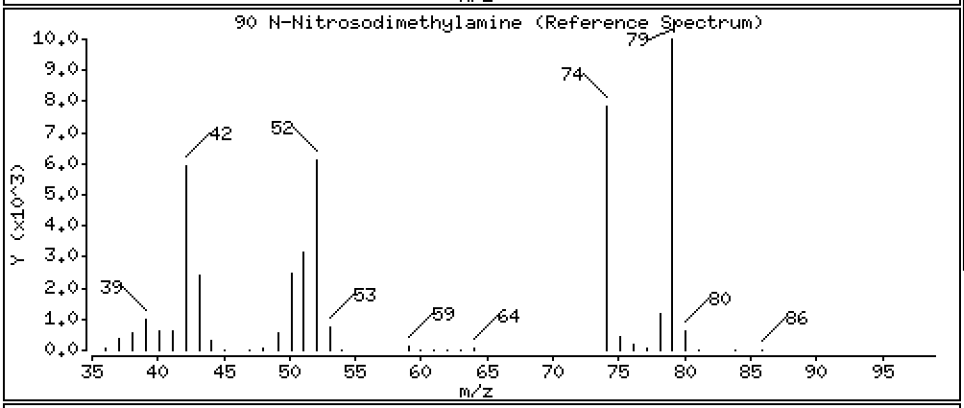
Concentration: 8.115 ug/mL

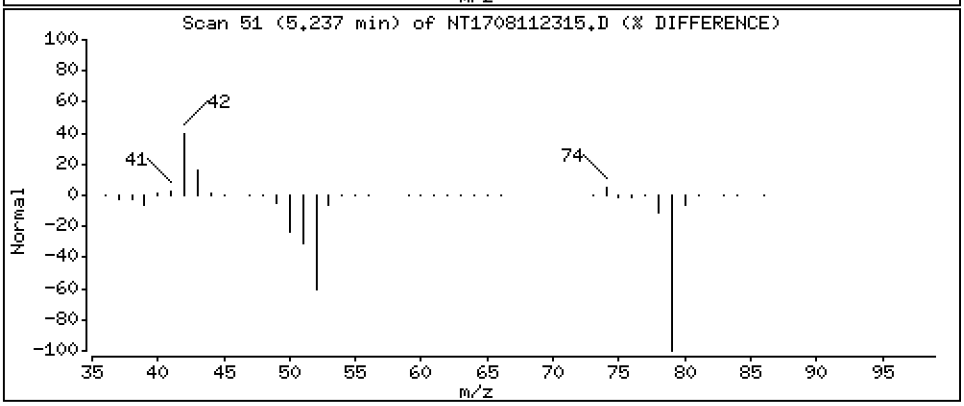












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

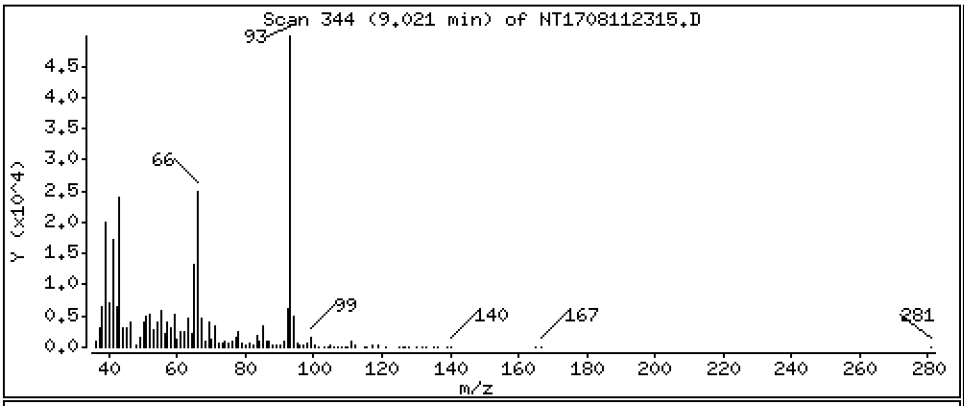
Operator: JGR

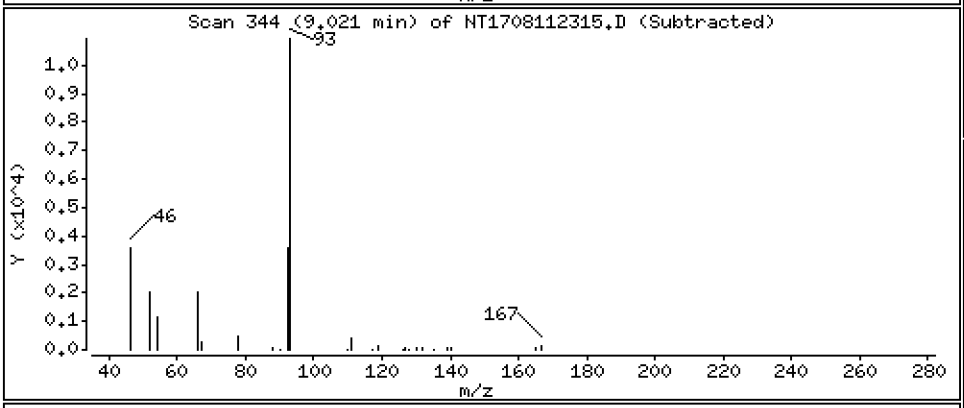
Column phase: ZB-5msi

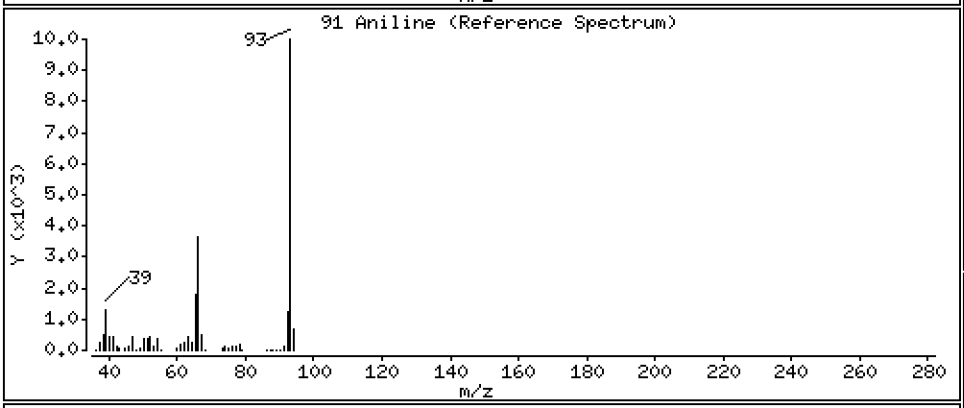
Column diameter: 0.25

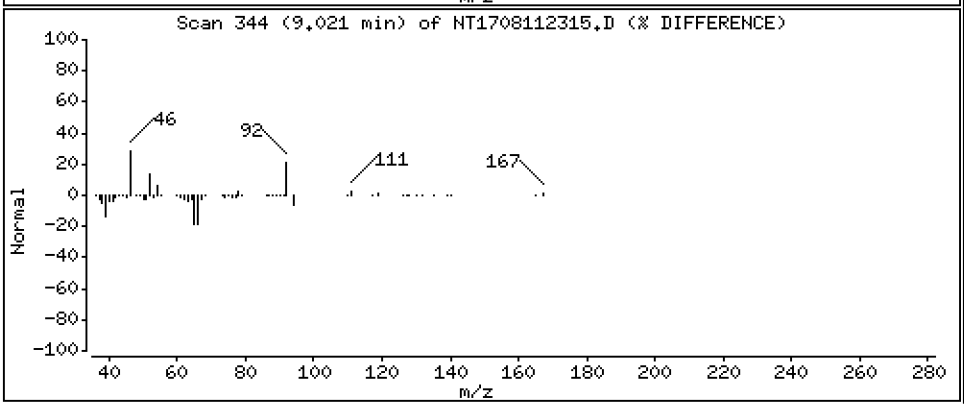
91 Aniline

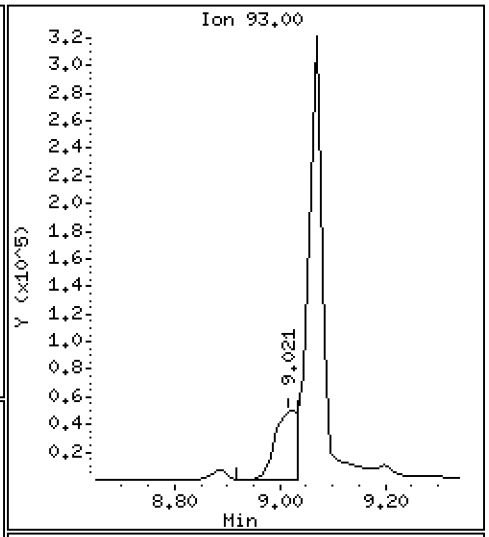
Concentration: 0.8520 ug/mL

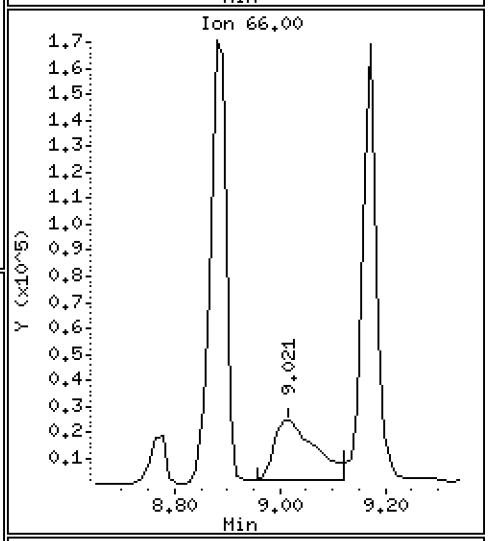


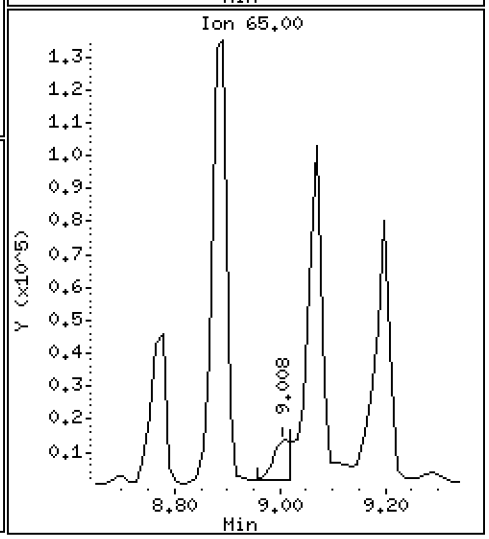












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

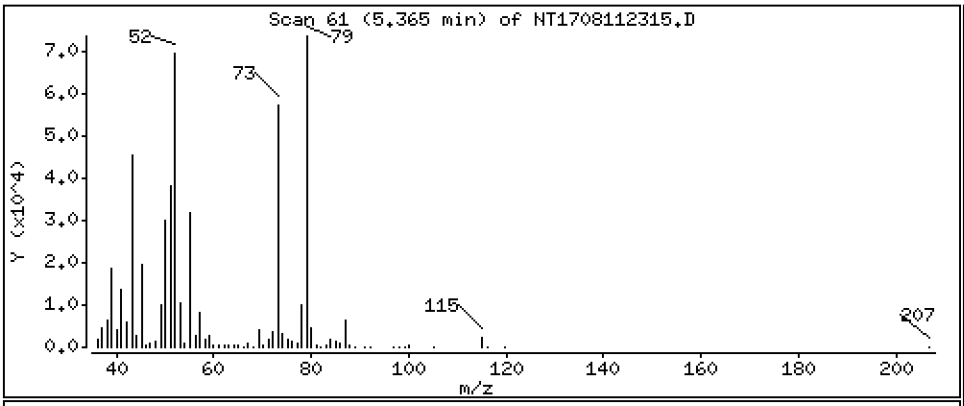
Operator: JGR

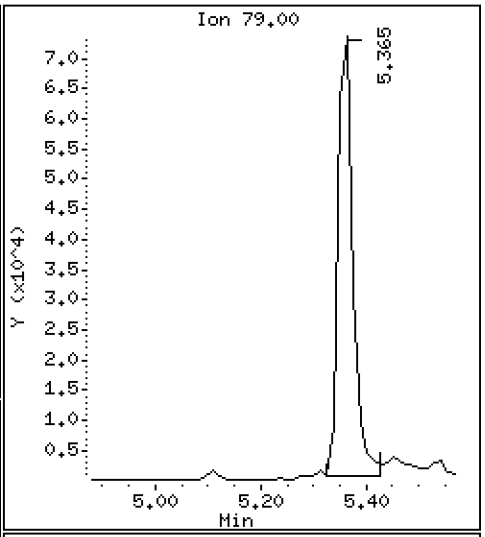
Column phase: ZB-5msi

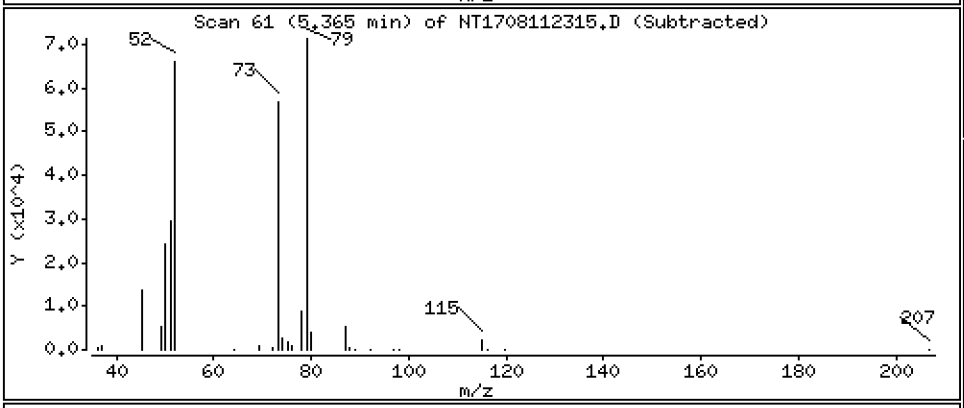
Column diameter: 0.25

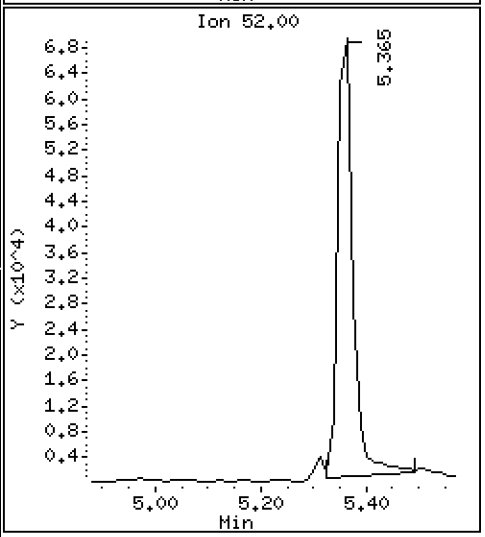
103 Pyridine

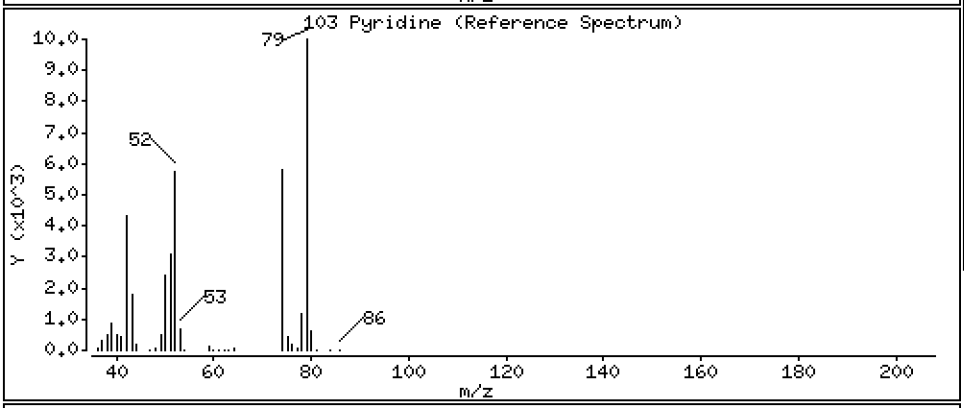
Concentration: 0.8640 ug/mL

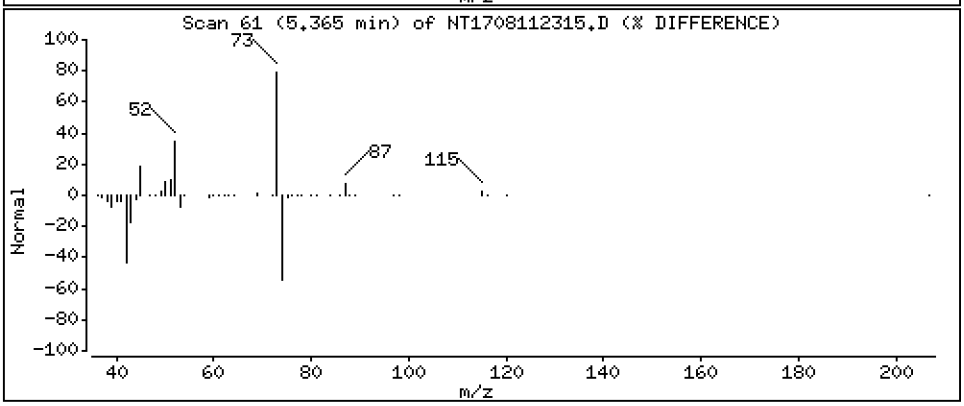












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

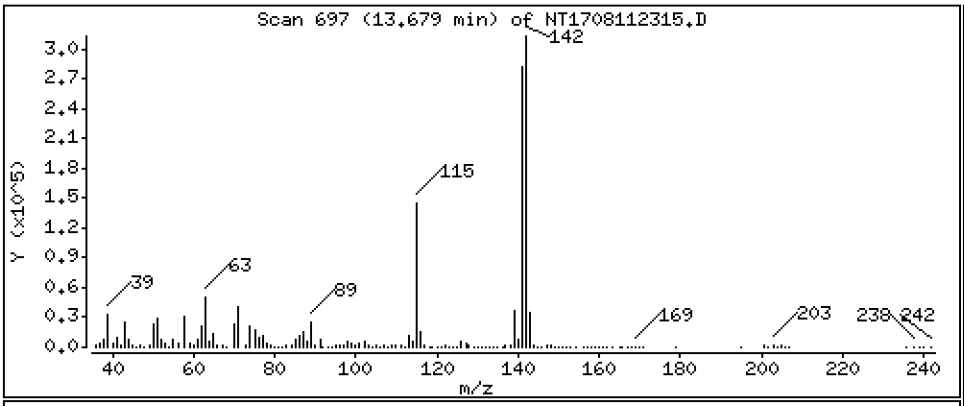
Operator: JGR

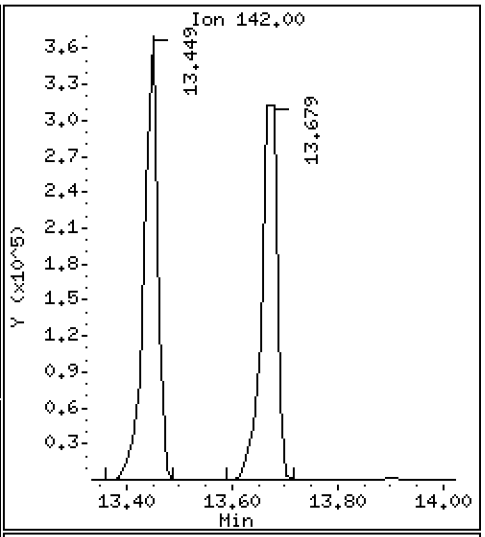
Column phase: ZB-5msi

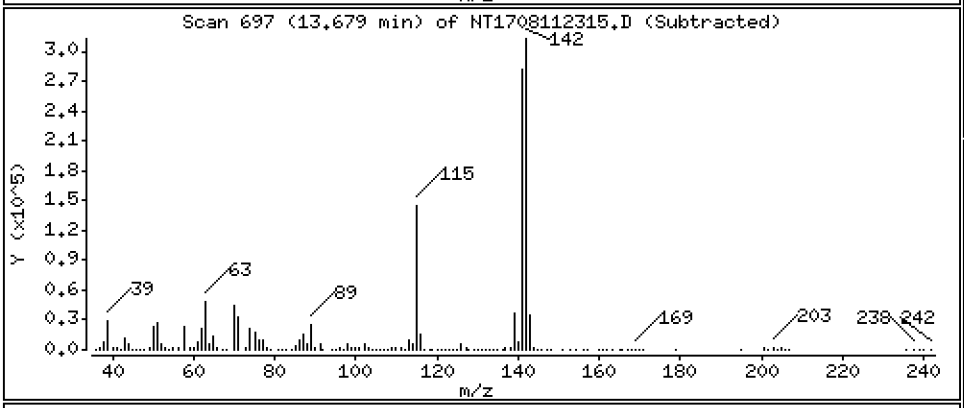
Column diameter: 0.25

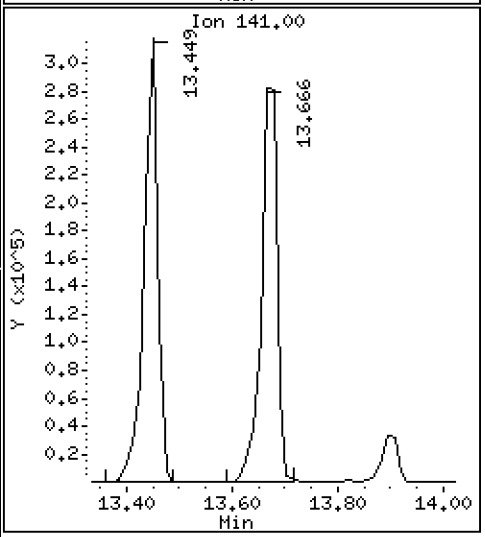
105 1-methylnaphthalene

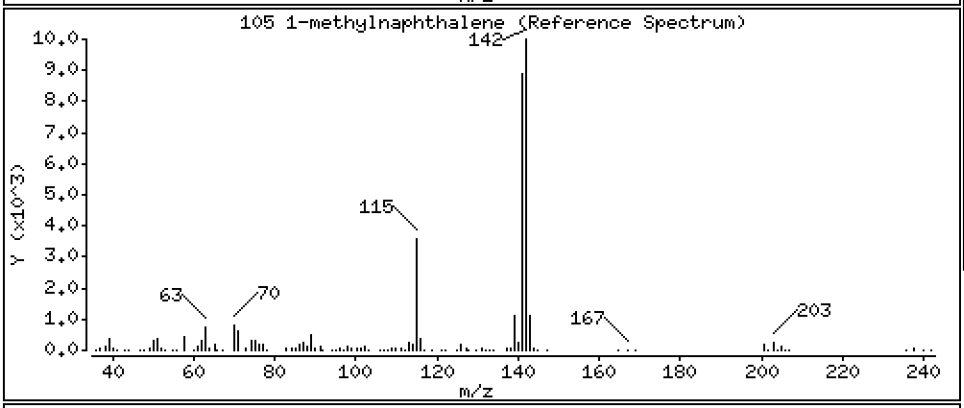
Concentration: 3.674 ug/mL

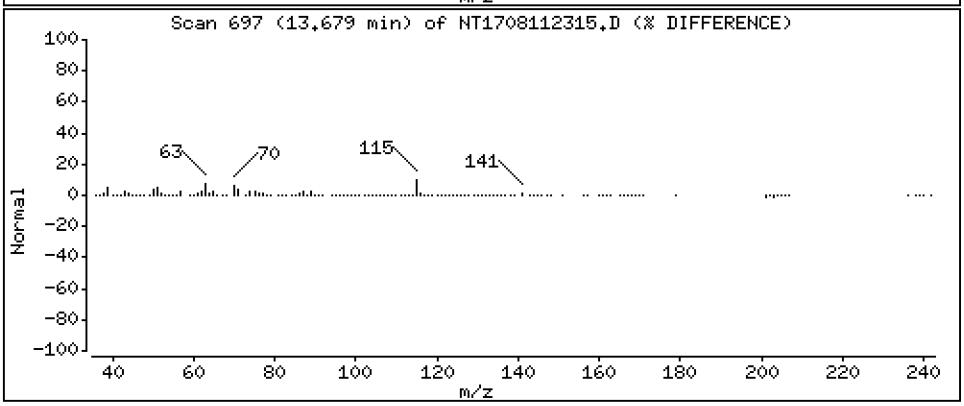












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

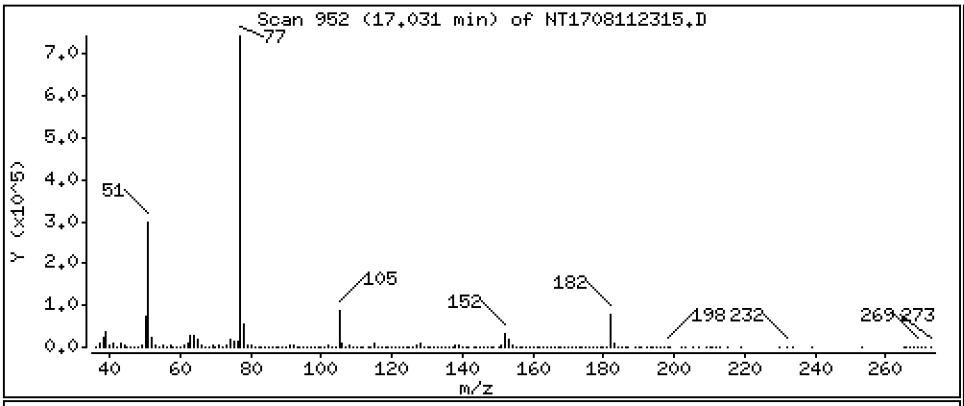
Operator: JGR

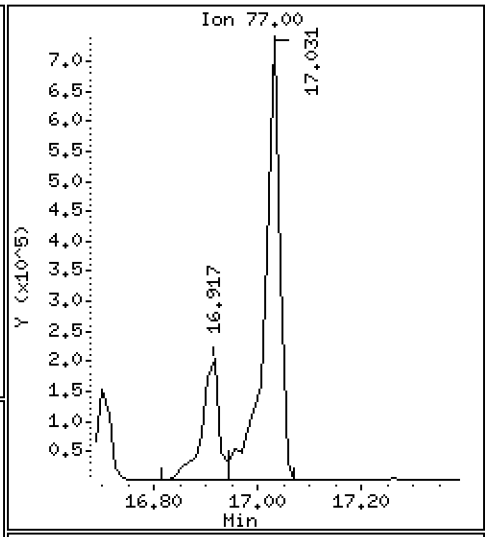
Column phase: ZB-5msi

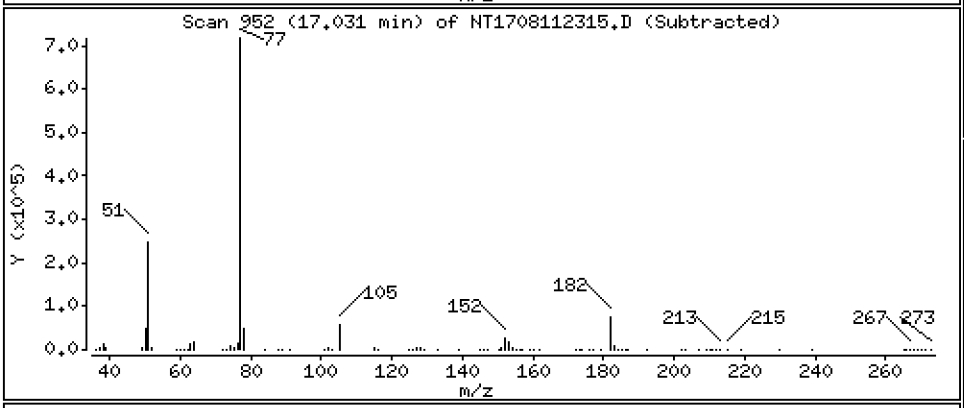
Column diameter: 0.25

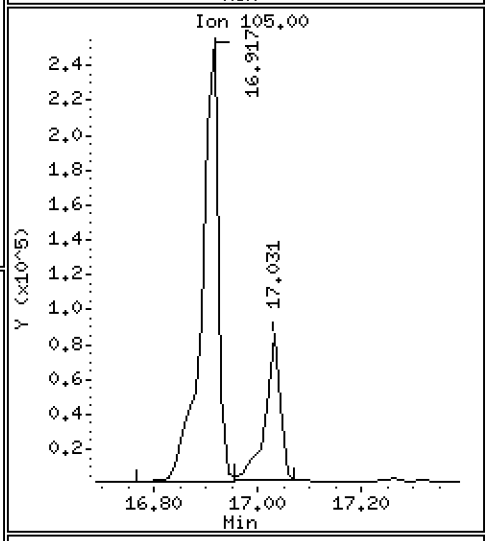
111 Azobenzene (1,2-DP-Hydrazine)

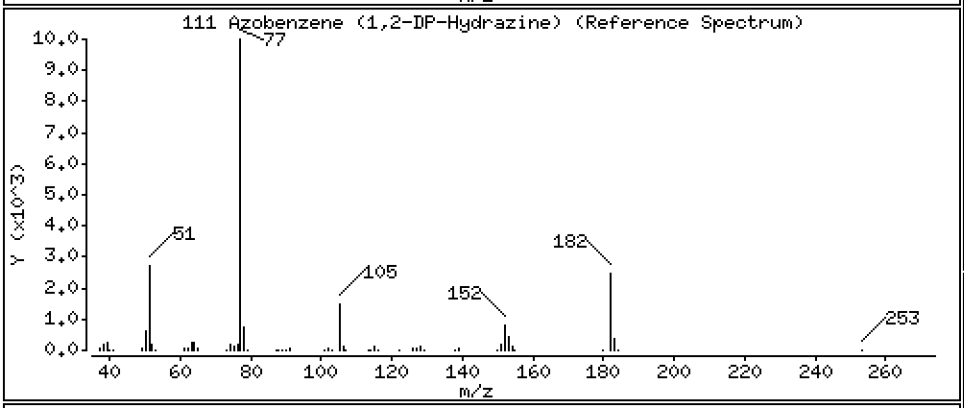
Concentration: 4.127 ug/mL

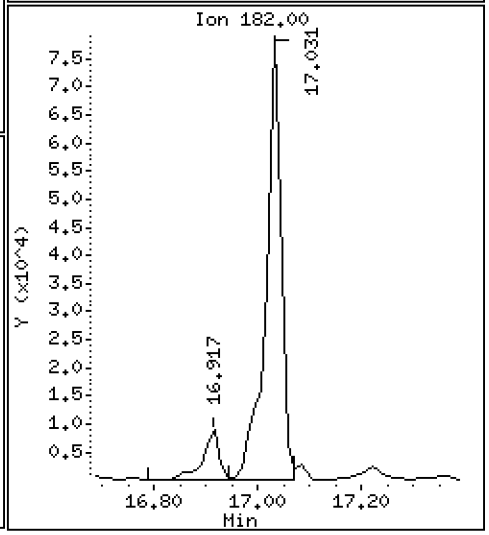


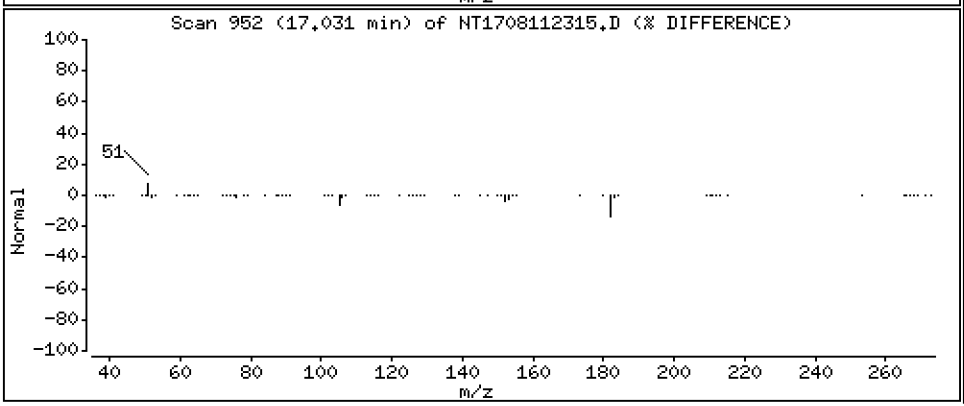












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

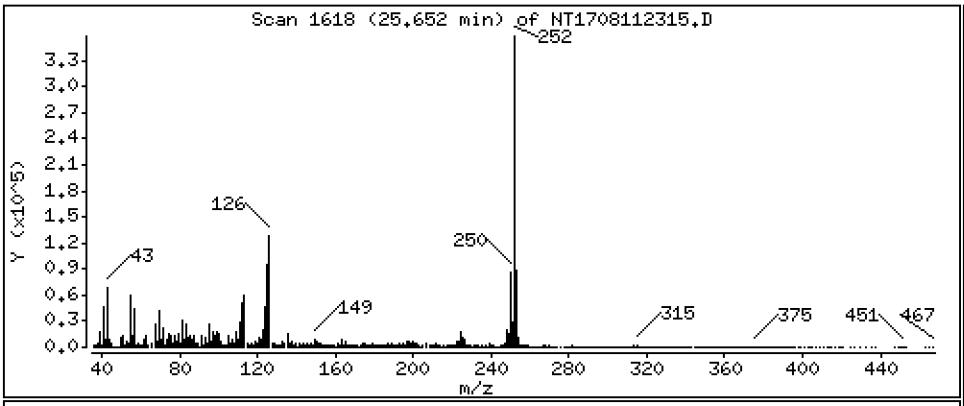
Operator: JGR

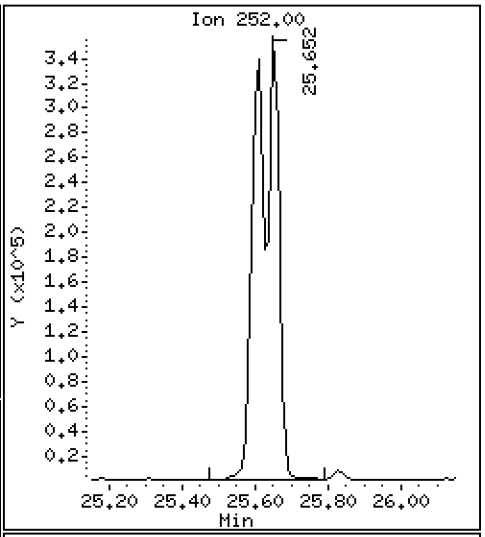
Column phase: ZB-5msi

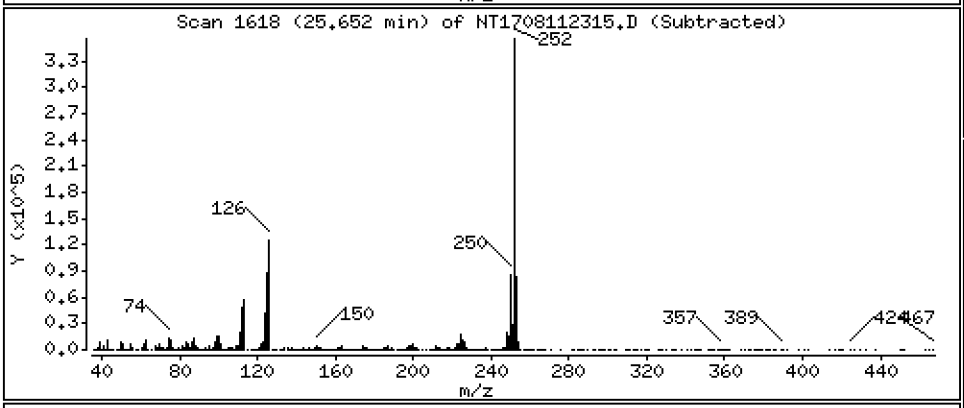
Column diameter: 0.25

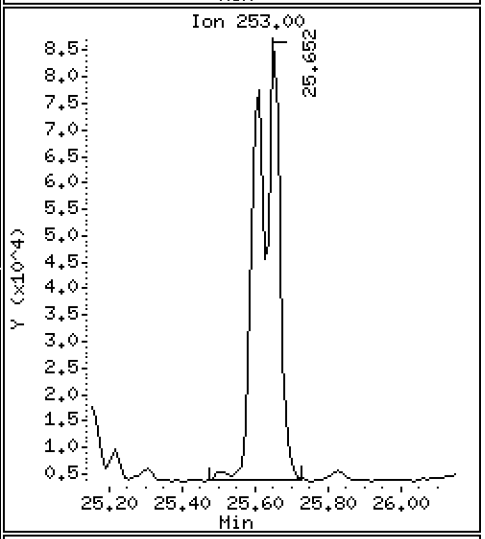
187 Total Benzofluoranthenes

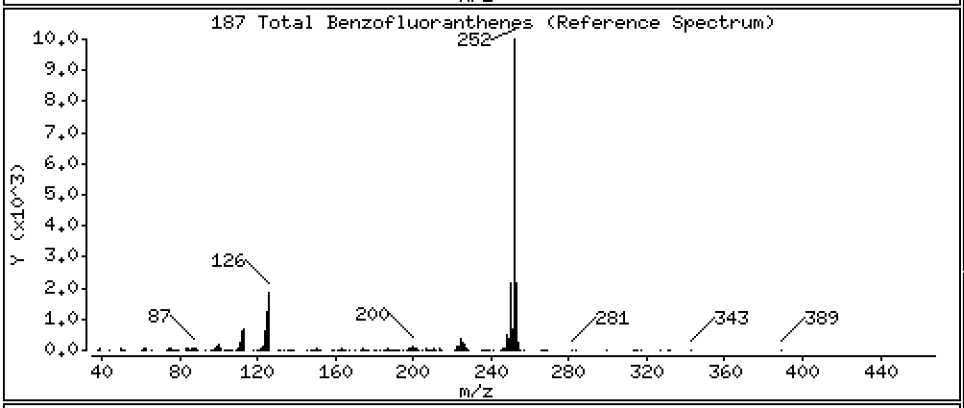
Concentration: 9.453 ug/mL

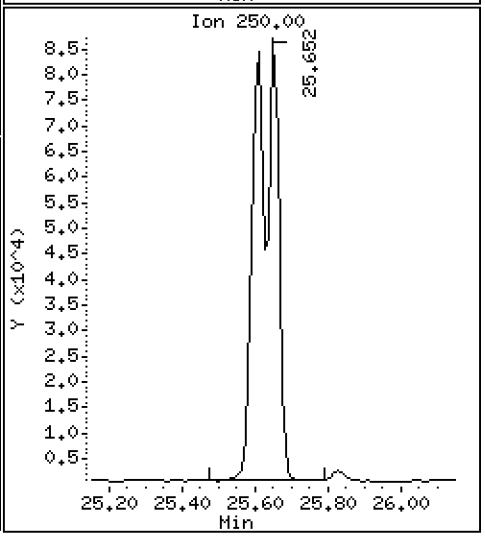


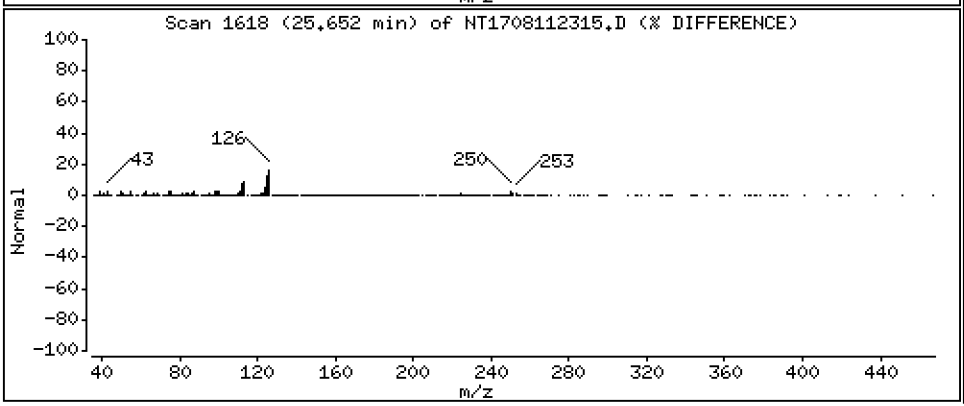












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112315.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

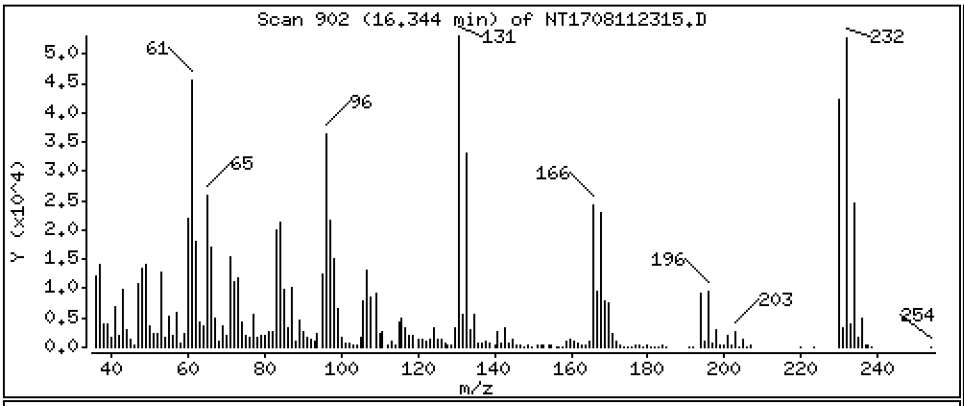
Operator: JGR

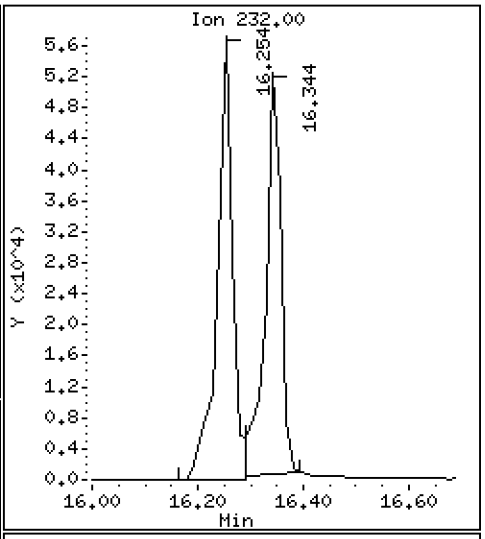
Column phase: ZB-5msi

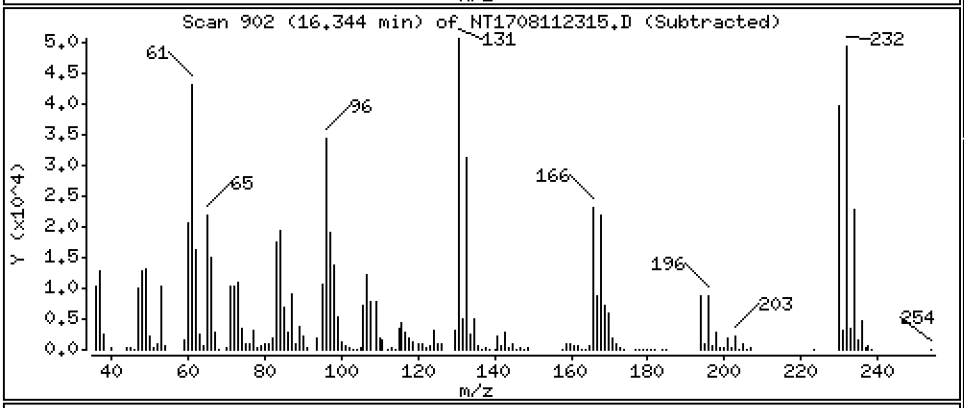
Column diameter: 0.25

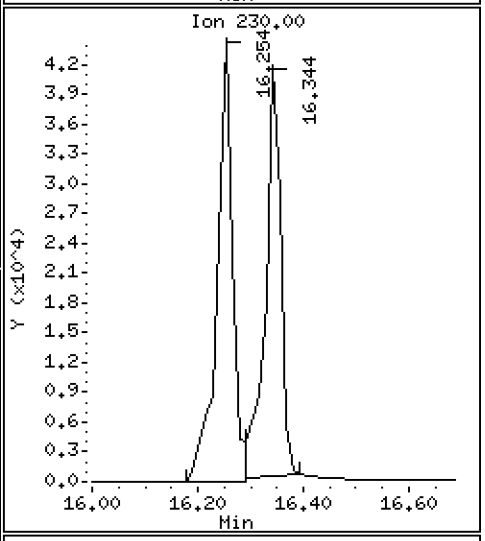
120 2,3,4,6-Tetrachlorophenol

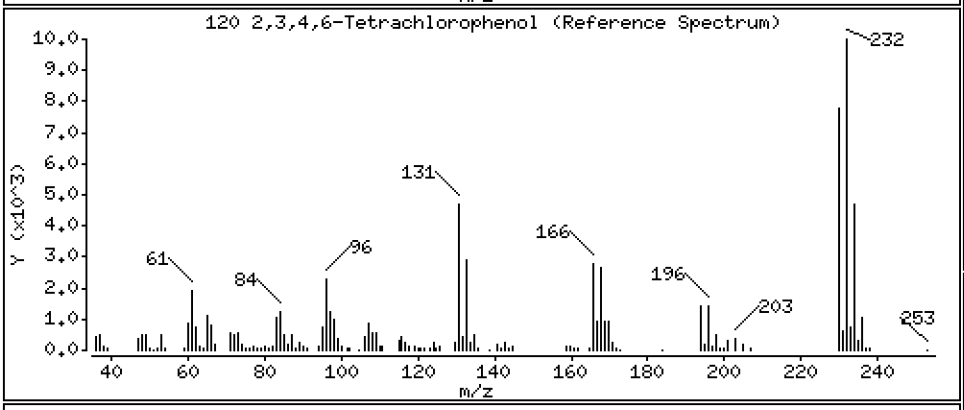
Concentration: 3.030 ug/mL

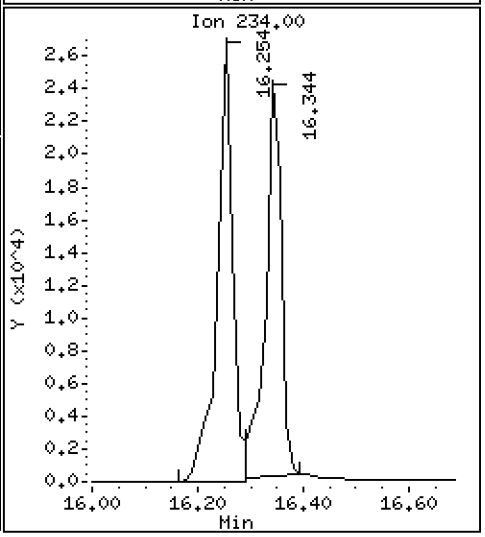


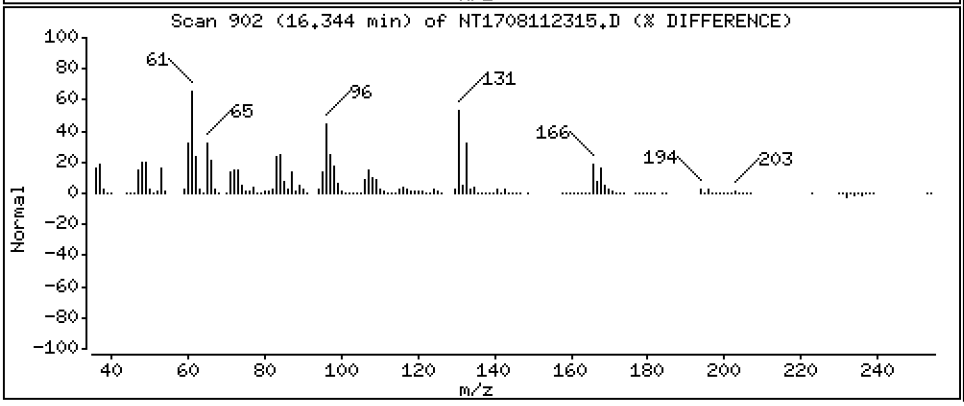












ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

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Inj Date : 11-AUG-2023 20:57
Operator : JGR Inst ID: nt17.i
Smp Info : BLH0180-MS1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt17.i\20230811.b\ABN.m
Meth Date : 17-Aug-2023 10:28 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:16 Cal File: NT1708102308.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	7.313	7.301	(0.767)	543685	4.80515	4.805
$	2 Phenol-d5	99	8.868	8.868	(0.930)	774174	4.80548	4.805
	3 Phenol	94	8.893	8.880	(0.933)	608541	3.64614	3.646
$	5 2-Chlorophenol-d4	132	9.173	9.173	(0.963)	487319	4.85816	4.858
	4 Bis(2-Chloroethyl)ether	93	9.071	9.072	(0.952)	537583	3.95244	3.952
	6 2-Chlorophenol	128	9.199	9.199	(0.965)	340334	3.40187	3.402
	7 1,3-Dichlorobenzene	146	9.467	9.467	(0.993)	312902	2.95723	2.957
*	8 1,4-Dichlorobenzene-d4	152	9.531	9.531	(1.000)	250193	4.00000	
	9 1,4-Dichlorobenzene	146	9.569	9.569	(1.004)	308253	3.01163	3.012
$	10 1,2-Dichlorobenzene-d4	152	9.901	9.901	(1.039)	187146	2.99658	2.997
	12 1,2-Dichlorobenzene	146	9.927	9.927	(1.042)	307164	3.07067	3.071
	11 Benzyl alcohol	108	9.799	9.786	(1.028)	266751	3.52599	3.526
	14 2,2'-oxybis(1-Chloropropane)	121	10.080	10.093	(1.058)	130937	3.91136	3.911
	13 2-Methylphenol	108	10.003	10.003	(1.050)	359109	3.30952	3.310
	17 Hexachloroethane	117	10.514	10.514	(1.103)	166667	3.15505	3.155
	16 N-Nitroso-di-n-propylamine	70	10.348	10.348	(1.086)	456878	3.66352	3.664
	15 4-Methylphenol	108	10.272	10.272	(1.078)	475743	3.09864	3.099
$	18 Nitrobenzene-d5	82	10.629	10.629	(0.884)	599435	3.65659	3.657
	19 Nitrobenzene	77	10.668	10.668	(0.887)	638588	3.62589	3.626
	20 Isophorone	82	11.102	11.102	(0.924)	1365488	5.02784	5.028
	21 2-Nitrophenol	139	11.294	11.294	(0.940)	168170	3.17898	3.179
	22 2,4-Dimethylphenol	107	11.319	11.319	(0.942)	1112616	9.18878	9.189
	23 Bis(2-Chloroethoxy)methane	93	11.523	11.523	(0.959)	564514	3.96389	3.964
	24 Benzoic acid	105	11.549	11.549	(0.961)	1964560	18.7508	18.75
	25 2,4-Dichlorophenol	162	11.740	11.728	(0.977)	804840	12.4700	12.47
	26 1,2,4-Trichlorobenzene	180	11.932	11.932	(0.993)	220471	3.06614	3.066
*	27 Naphthalene-d8	136	12.021	12.021	(1.000)	1054691	4.00000	
	28 Naphthalene	128	12.059	12.059	(1.003)	1005838	3.50647	3.506
	29 4-Chloroaniline	127	12.199	12.186	(1.015)	340334	2.60539	2.605
	30 Hexachlorobutadiene	225	12.403	12.403	(1.032)	102411	3.09874	3.099
	31 4-Chloro-3-methylphenol	107	13.117	13.117	(1.091)	1395048	11.7871	11.79
	32 2-Methylnaphthalene	142	13.449	13.449	(1.119)	668204	3.36446	3.364
	33 Hexachlorocyclopentadiene	237	13.908	13.908	(0.890)	264842	5.83556	5.836

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
34	2,4,6-Trichlorophenol	196	14.061	14.061	(0.900)	572091	11.3976	11.40
35	2,4,5-Trichlorophenol	196	14.137	14.137	(0.905)	574837	12.6175	12.62
$ 36	2-Fluorobiphenyl	172	14.214	14.227	(0.909)	616023	3.49216	3.492
37	2-Chloronaphthalene	162	14.443	14.443	(0.924)	573687	3.59379	3.594
38	2-Nitroaniline	65	14.699	14.699	(0.940)	1392946	10.8081	10.81
39	Dimethylphthalate	163	15.119	15.119	(0.967)	659545	3.96199	3.962
40	Acenaphthylene	152	15.324	15.324	(0.980)	908897	3.69884	3.699
41	2,6-Dinitrotoluene	165	15.273	15.273	(0.977)	454846	12.5707	12.57
* 42	Acenaphthene-d10	164	15.629	15.630	(1.000)	476981	4.00000	
43	3-Nitroaniline	138	15.553	15.553	(0.995)	313254	5.29809	5.298
44	Acenaphthene	153	15.693	15.693	(1.004)	588966	3.81741	3.817
45	2,4-Dinitrophenol	184	15.770	15.770	(1.009)	547748	24.4458	24.45
46	Dibenzofuran	168	16.025	16.025	(1.025)	766542	3.65788	3.658
47	4-Nitrophenol	109	15.846	15.846	(1.014)	546825	12.9816	12.98
48	2,4-Dinitrotoluene	165	16.076	16.076	(1.029)	607375	10.6478	10.65
50	Diethylphthalate	149	16.560	16.560	(1.060)	908863	4.25342	4.253
49	Fluorene	166	16.725	16.726	(1.070)	645982	3.85112	3.851
51	4-Chlorophenyl-phenylether	204	16.700	16.713	(1.068)	292873	3.86564	3.866
52	4-Nitroaniline	138	16.827	16.827	(1.077)	463670	9.80371	9.804
53	4,6-Dinitro-2-methylphenol	198	16.916	16.916	(0.906)	638315	22.1633	22.16
54	N-Nitrosodiphenylamine	169	16.955	16.955	(0.909)	356543	3.06856	3.069
$ 55	2,4,6-Tribromophenol	330	17.260	17.260	(1.104)	82461	5.63936	5.639
56	4-Bromophenyl-phenylether	248	17.705	17.705	(0.949)	125704	3.93478	3.935
57	Hexachlorobenzene	284	18.037	18.037	(0.967)	125889	3.57346	3.573
58	Pentachlorophenol	266	18.394	18.381	(0.986)	300077	13.6739	13.67
* 59	Phenanthrene-d10	188	18.662	18.662	(1.000)	768796	4.00000	
60	Phenanthrene	178	18.713	18.713	(1.003)	1071427	4.82116	4.821
61	Anthracene	178	18.802	18.802	(1.008)	846072	4.24487	4.245
62	Carbazole	167	19.121	19.121	(1.025)	893523	4.37325	4.373
63	Di-n-butylphthalate	149	19.873	19.860	(1.065)	1360420	3.68123	3.681
64	Fluoranthene	202	21.059	21.059	(0.891)	1229987	6.03350	6.034
65	Pyrene	202	21.480	21.480	(0.908)	1187668	5.57636	5.576
$ 66	Terphenyl-d14	244	21.735	21.735	(0.919)	575025	3.82061	3.821
67	Butylbenzylphthalate	149	22.641	22.641	(0.957)	587454	4.01360	4.014
68	Benzo(a)anthracene	228	23.610	23.610	(0.998)	868656	4.53388	4.534
* 69	Chrysene-d12	240	23.648	23.648	(1.000)	497971	4.00000	
70	3,3'-Dichlorobenzidine	252	23.559	23.559	(0.996)	102804	1.87368	1.874
71	Chrysene	228	23.687	23.687	(1.002)	812774	4.95358	4.954
72	bis(2-Ethylhexyl)phthalate	149	23.636	23.636	(0.959)	899179	3.92267	3.923
* 134	Di-n-octylphthalate-d4	153	24.643	24.643	(1.000)	1392934	4.00000	
73	Di-n-octylphthalate	149	24.656	24.656	(1.001)	1404221	3.73244	3.732
74	Benzo(b)fluoranthene	252	25.613	25.600	(0.968)	779686	3.88669	3.887
75	Benzo(k)fluoranthene	252	25.651	25.651	(0.970)	833410	4.90141	4.901
76	Benzo(a)pyrene	252	26.327	26.327	(0.995)	656997	4.27523	4.275
* 77	Perylene-d12	264	26.455	26.455	(1.000)	460188	4.00000	
78	Indeno(1,2,3-cd)pyrene	276	29.418	29.406	(1.112)	700111	3.72321	3.723
79	Dibenzo(a,h)anthracene	278	29.431	29.419	(1.113)	560528	3.39620	3.396
80	Benzo(g,h,i)perylene	276	30.300	30.288	(1.145)	579823	4.49792	4.498(M)
90	N-Nitrosodimethylamine	74	5.237	5.211	(0.549)	952661	8.11516	8.115
91	Aniline	93	9.021	8.995	(0.946)	154969	0.85203	0.8520
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	5.364	5.224	(0.563)	145009	0.86402	0.8640(H)
105	1-methylnaphthalene	142	13.678	13.678	(1.138)	669103	3.67397	3.674
111	Azobenzene (1,2-DP-Hydrazine)	77	17.031	17.031	(1.090)	1499828	4.12693	4.127

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.651	25.651	(0.970)	1485021	9.45259	9.453
120 2,3,4,6-Tetrachlorophenol	232	16.343	16.343	(1.046)	106418	3.03002	3.030

QC Flag Legend

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

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708112315.D
Lab Smp Id: BLH0180-MS1
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230811.b\ABN.m
Misc Info:

Calibration Date: 11-AUG-2023
Calibration Time: 12:50
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	243724	121862	487448	250193	2.65
27 Naphthalene-d8	1014927	507464	2029854	1054691	3.92
42 Acenaphthene-d10	473303	236652	946606	476981	0.78
59 Phenanthrene-d10	780320	390160	1560640	768796	-1.48
69 Chrysene-d12	509205	254603	1018410	497971	-2.21
134 Di-n-octylphthala	1278671	639336	2557342	1392934	8.94
77 Perylene-d12	502984	251492	1005968	460188	-8.51

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.53	9.03	10.03	9.53	-0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	-0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	-0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.66	-0.00
69 Chrysene-d12	23.65	23.15	24.15	23.65	-0.00
134 Di-n-octylphthala	24.64	24.14	25.14	24.64	-0.00
77 Perylene-d12	26.46	25.96	26.96	26.46	-0.00

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

REVIEW SUMMARY FOR FILE - NT1708112315.D

Lab ID: BLH0180-MS1
nt17.i, ABN.m, 11-AUG-2023 20:57

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.563	0.548	0.0147	Pyridine

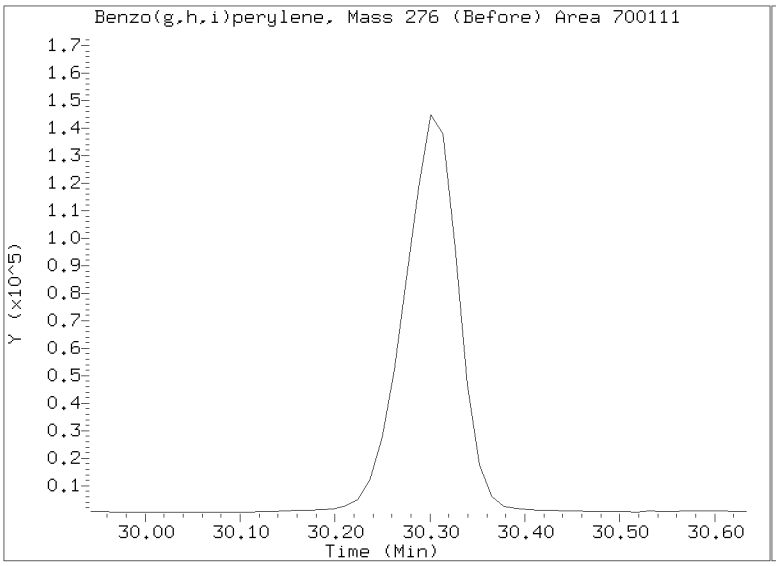
RRT check based on Ccal File: NT1708112302.D

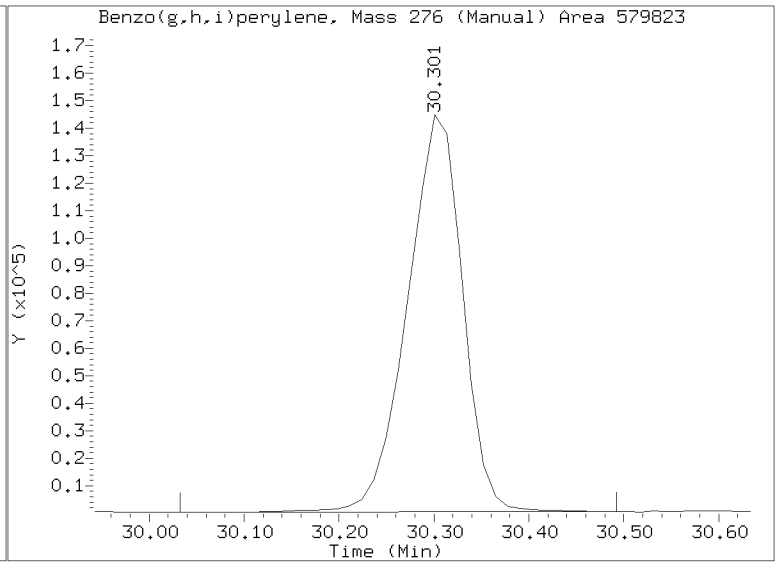
On Column LOD for nt17.i, ABN.m, ICAL.sub = 0.0000

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

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230811.b/NT1708112315.D
Injection Date: 11-AUG-2023 20:57
Lab ID:BLH0180-MS1 Client ID:
Report Date: 08/17/2023 10:31





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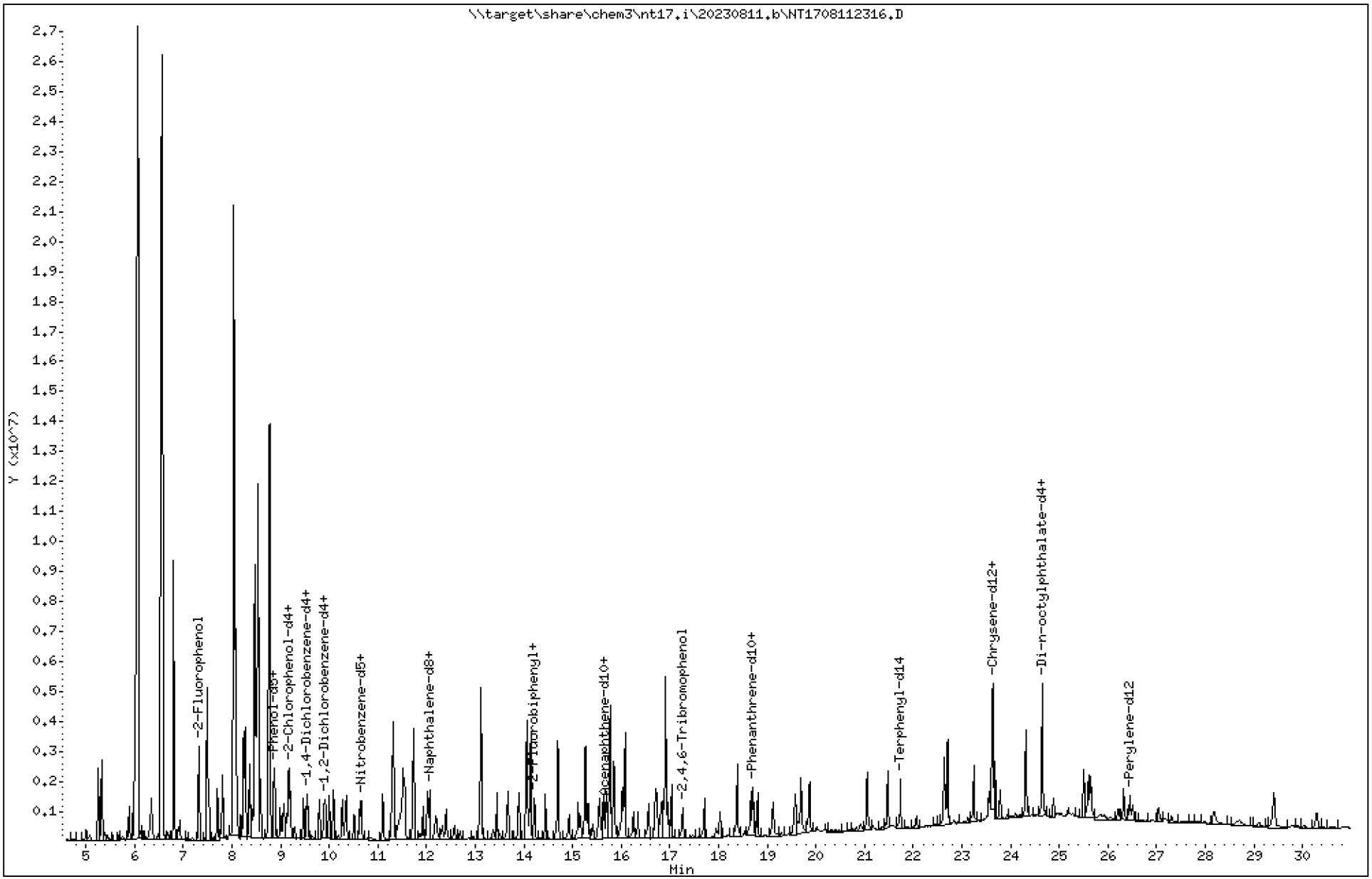
Date : 11-AUG-2023 21:35
Client ID:
Sample Info: BLH0180-MSD1

Instrument: nt17.i
Operator: JGR
Column diameter: 0.25

Column phase: ZB-5msi



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Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

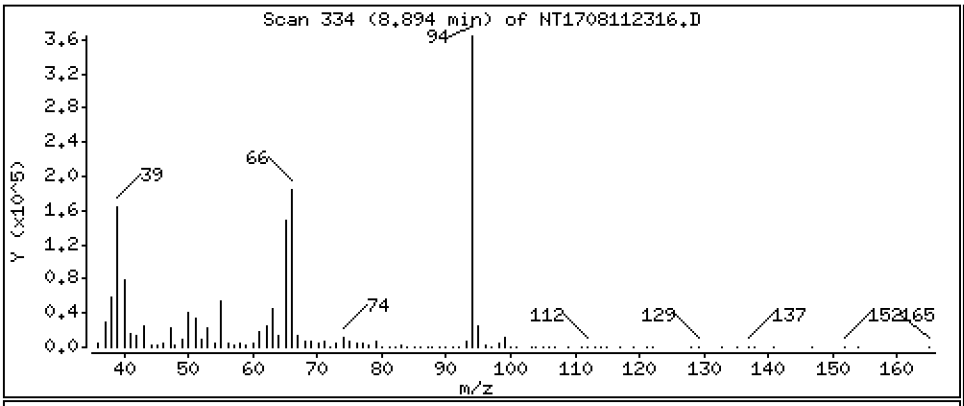
Operator: JGR

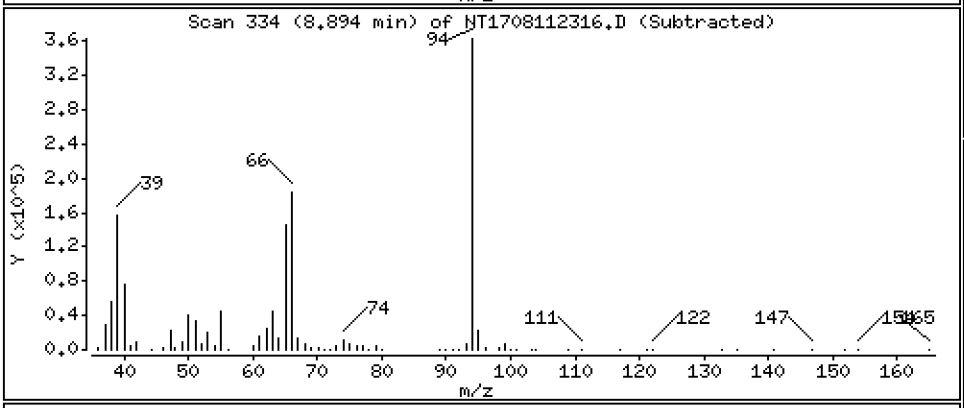
Column phase: ZB-5msi

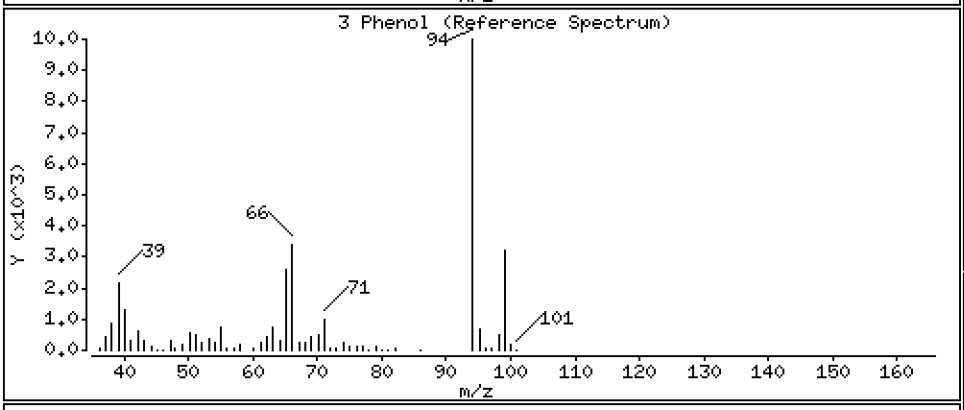
Column diameter: 0.25

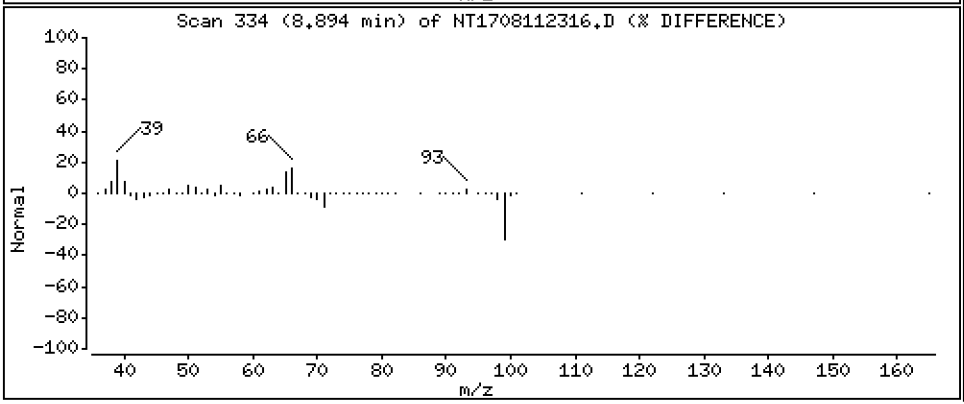
3 Phenol

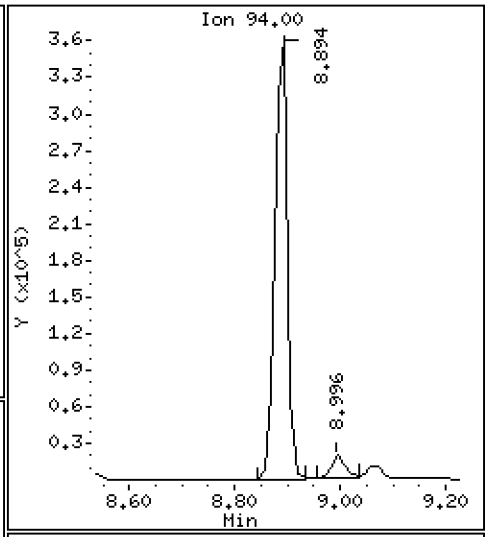
Concentration: 3.871 ug/mL

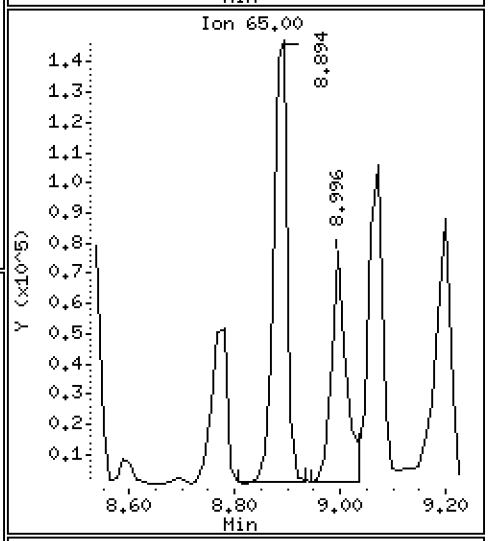


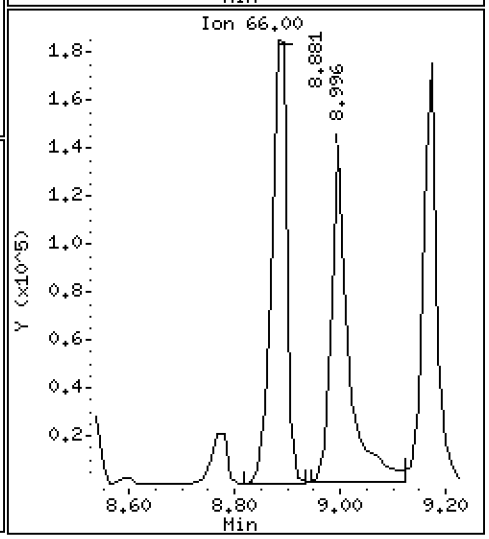












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

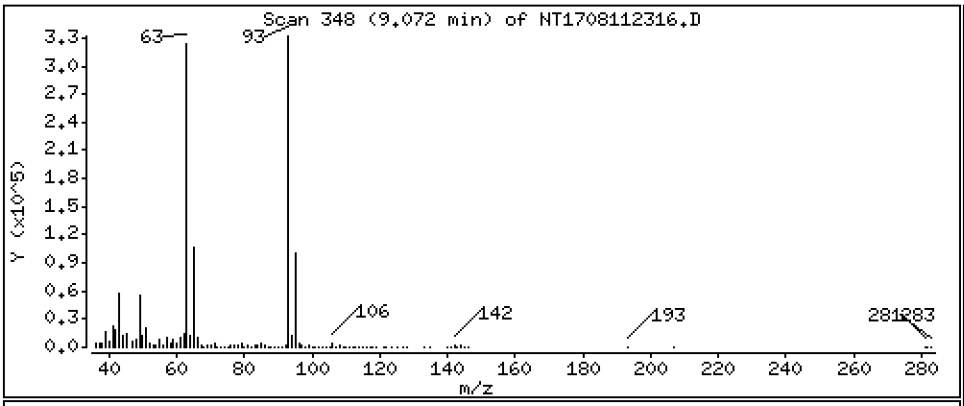
Operator: JGR

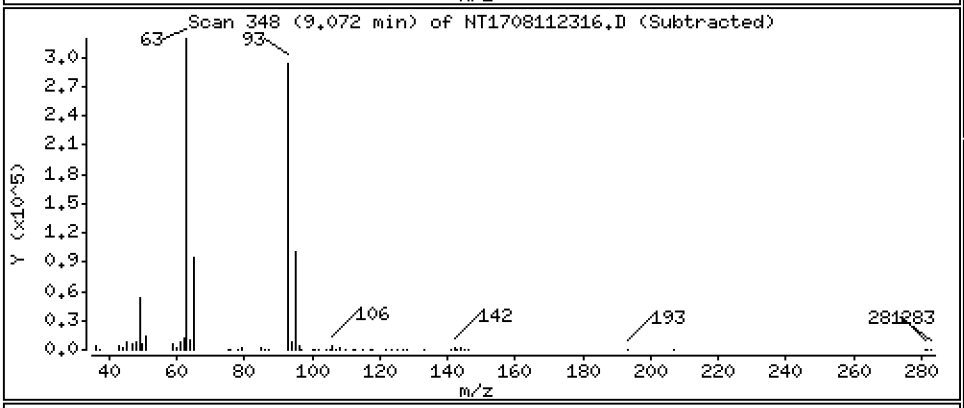
Column phase: ZB-5msi

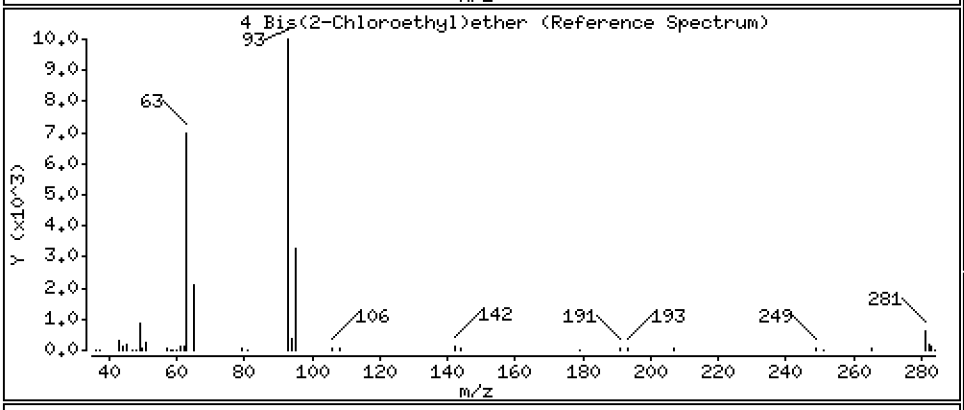
Column diameter: 0.25

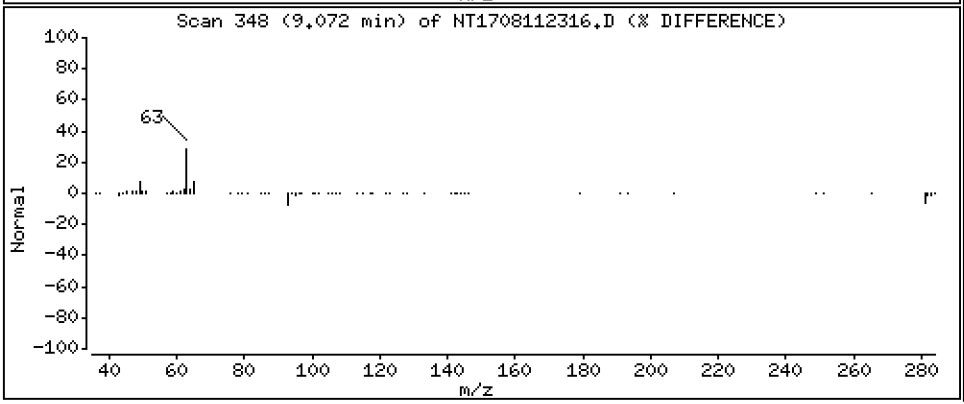
4 Bis(2-Chloroethyl)ether

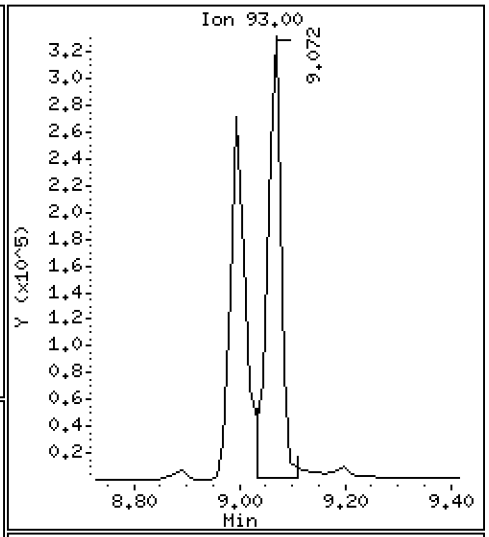
Concentration: 4.541 ug/mL

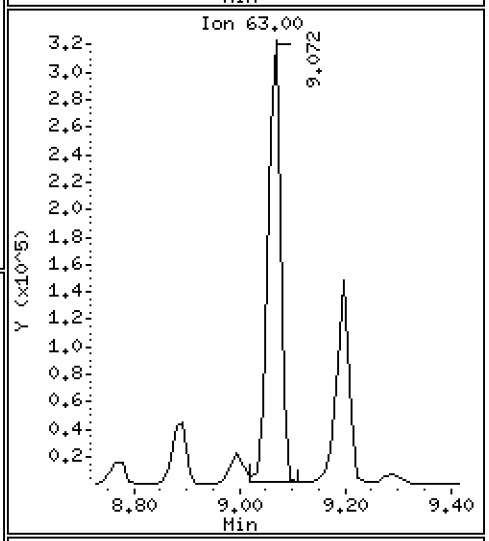


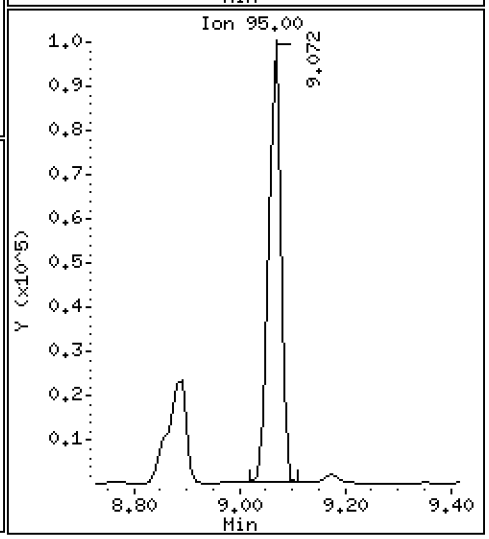












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

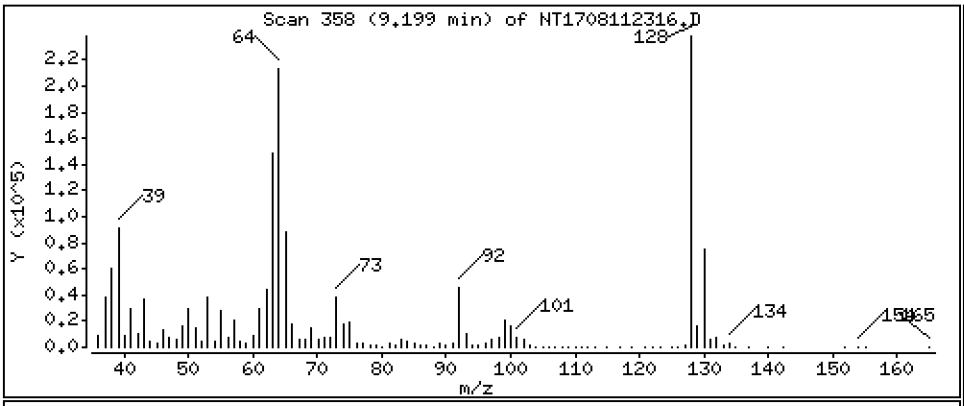
Operator: JGR

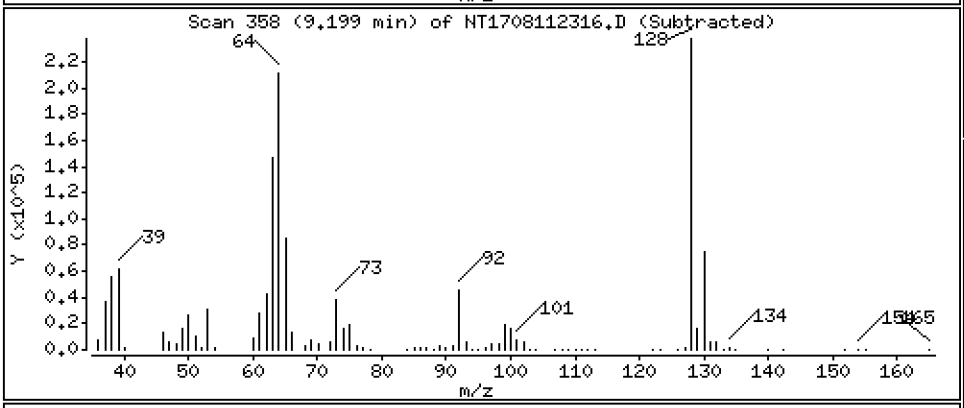
Column phase: ZB-5msi

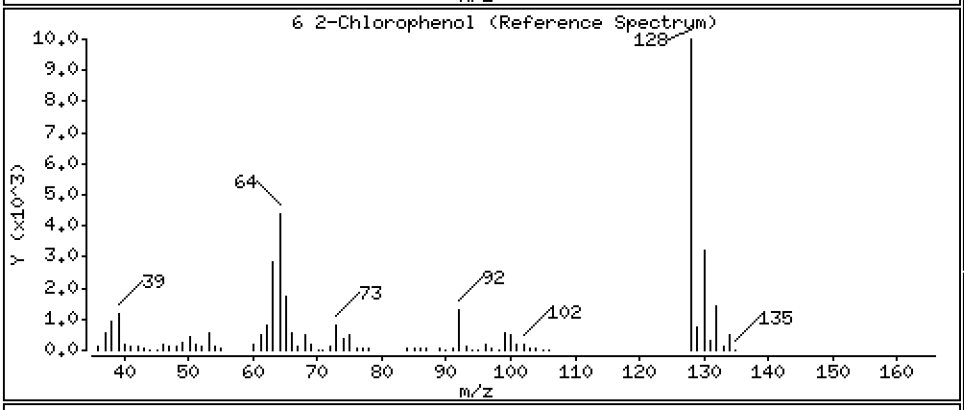
Column diameter: 0.25

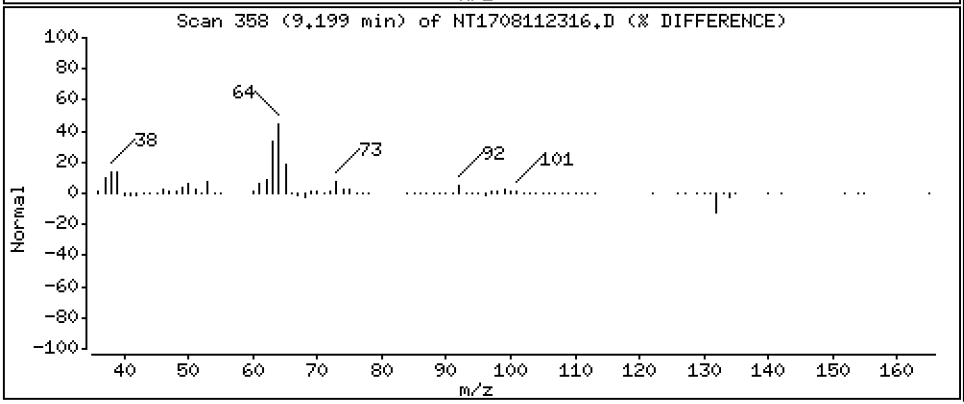
6 2-Chlorophenol

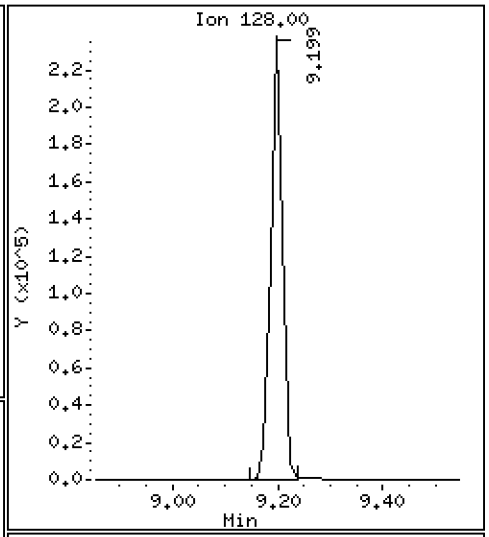
Concentration: 3.748 ug/mL

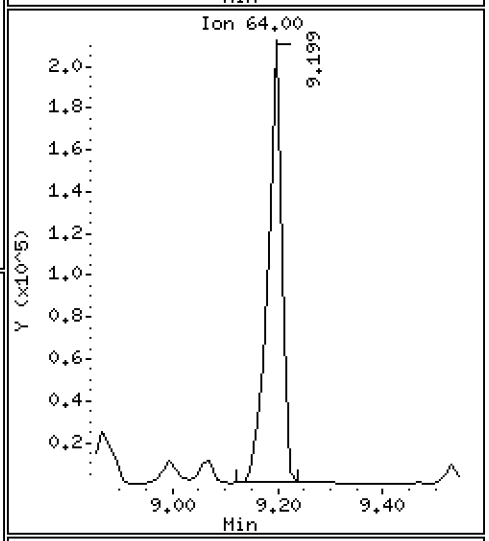


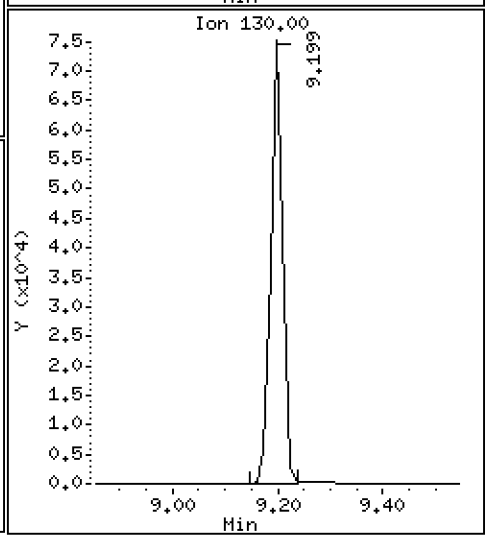












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

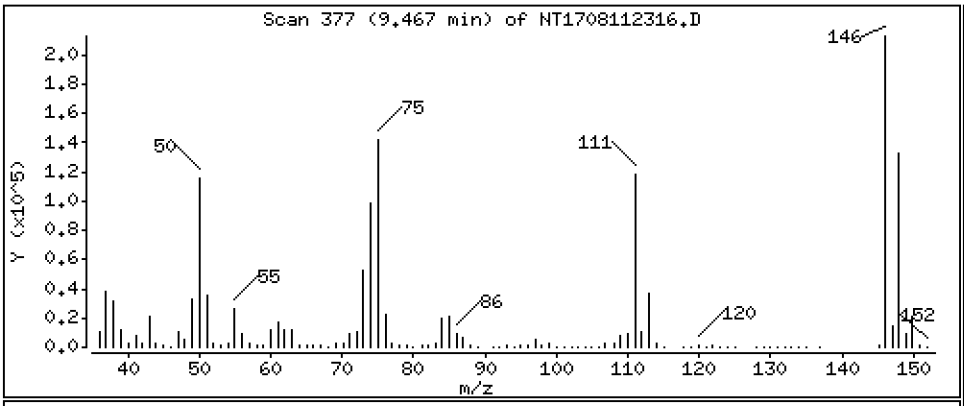
Operator: JGR

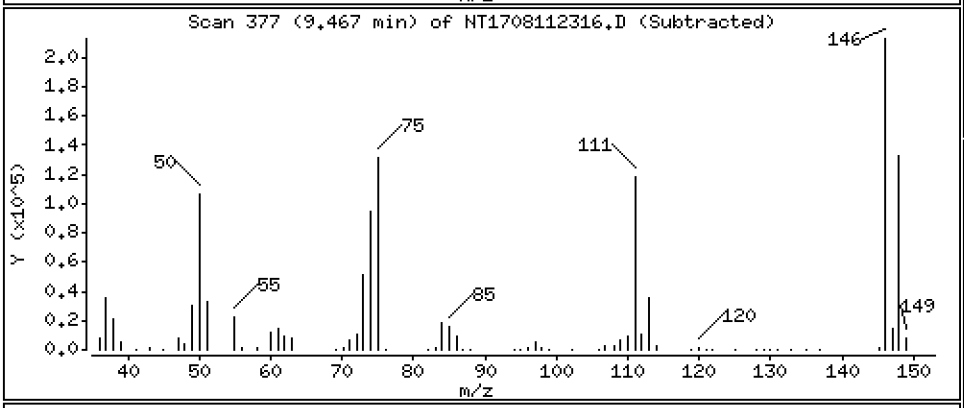
Column phase: ZB-5msi

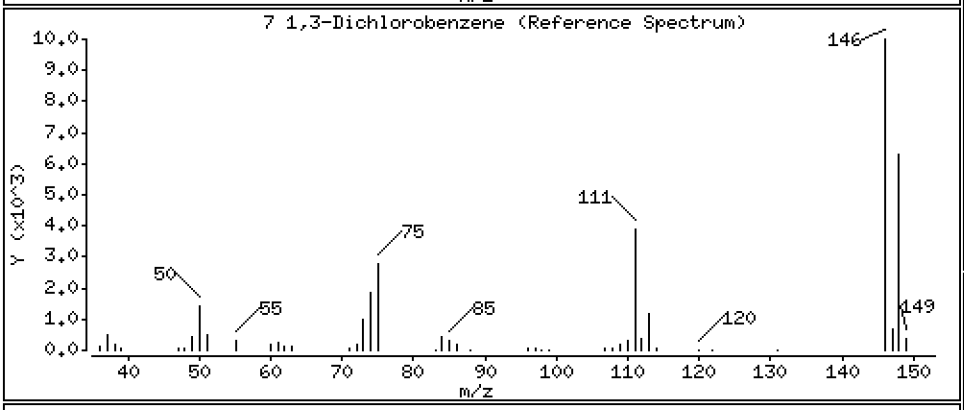
Column diameter: 0.25

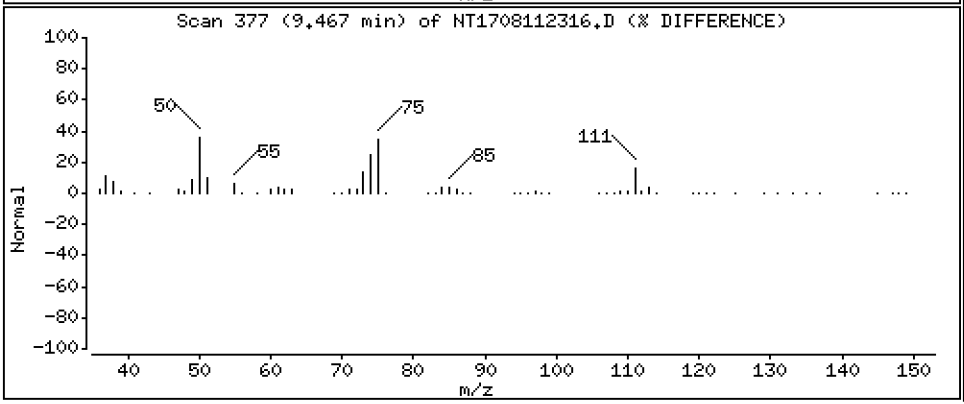
7 1,3-Dichlorobenzene

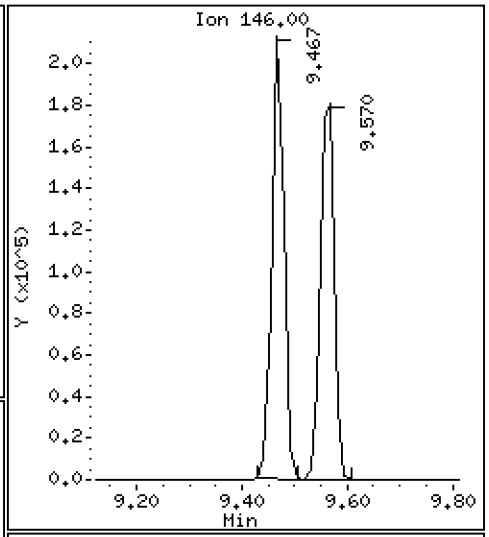
Concentration: 3.301 ug/mL

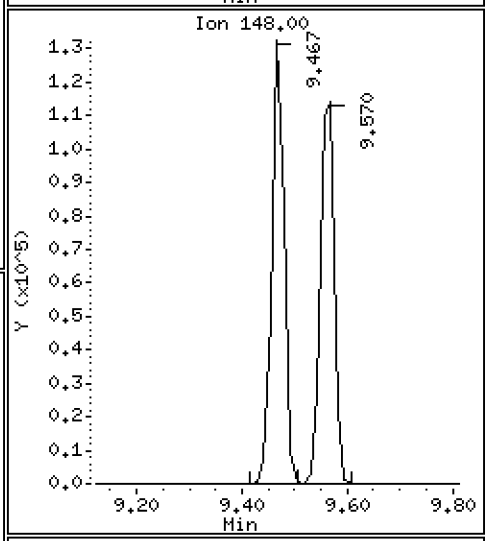


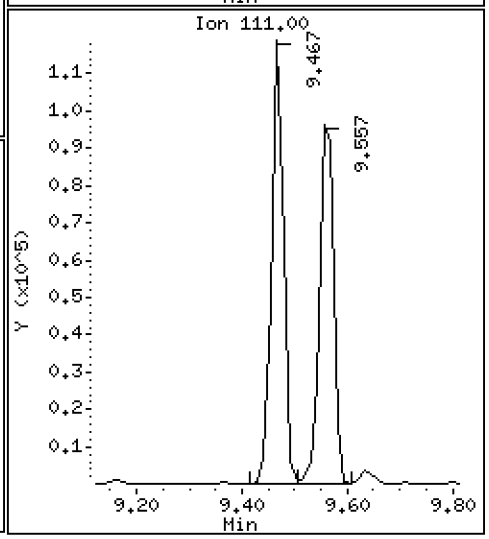












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

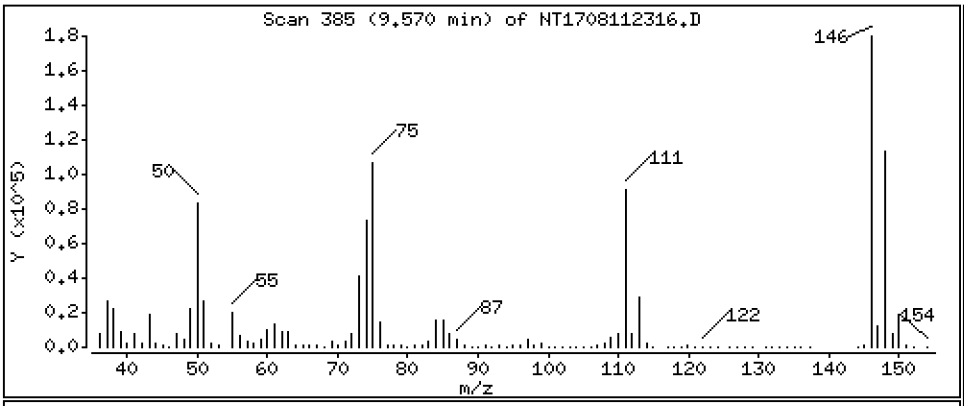
Operator: JGR

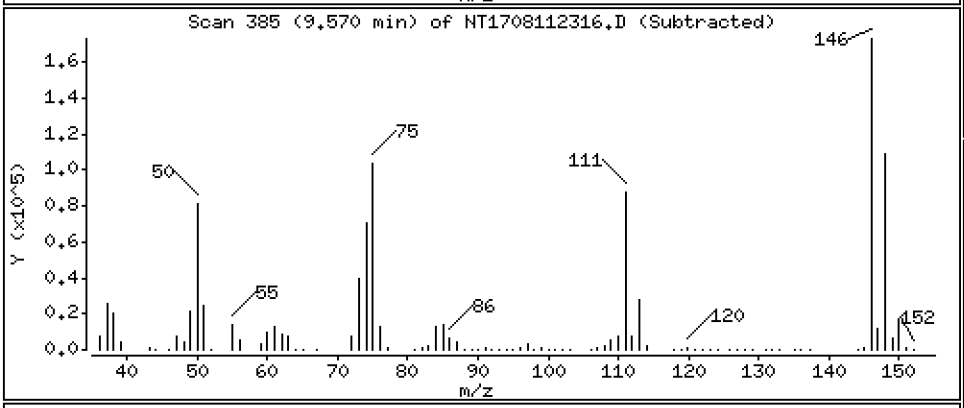
Column phase: ZB-5msi

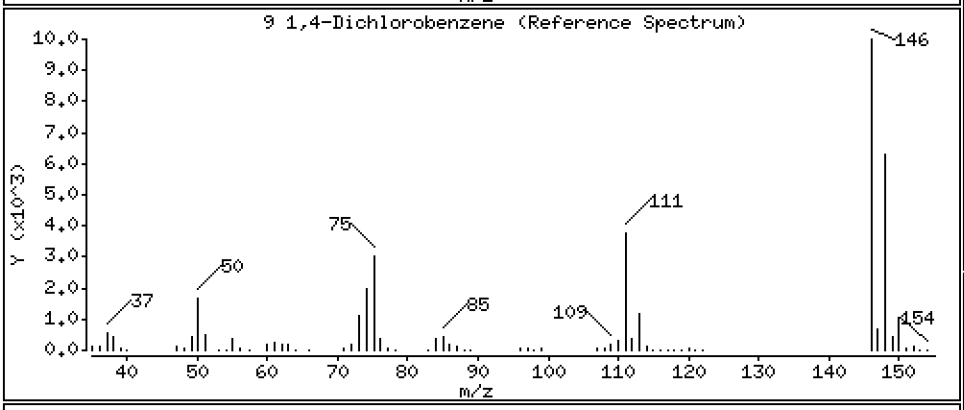
Column diameter: 0.25

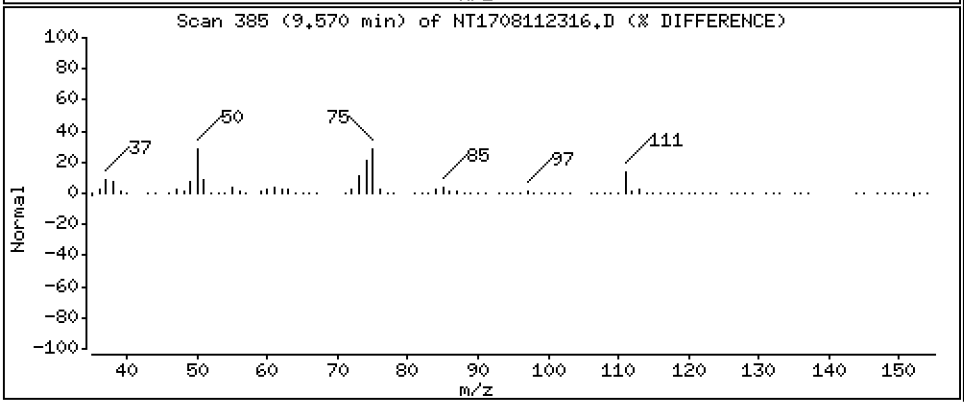
9 1,4-Dichlorobenzene

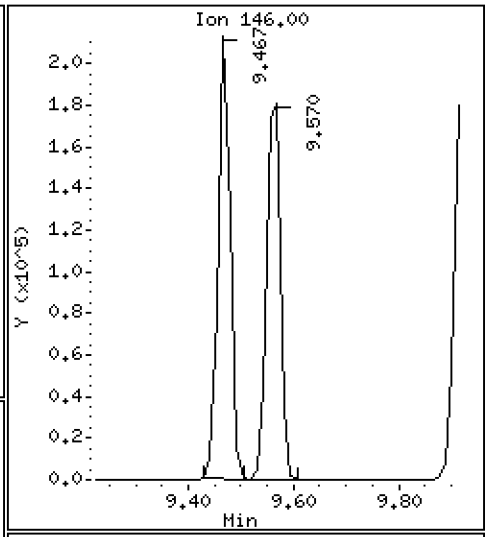
Concentration: 3.367 ug/mL

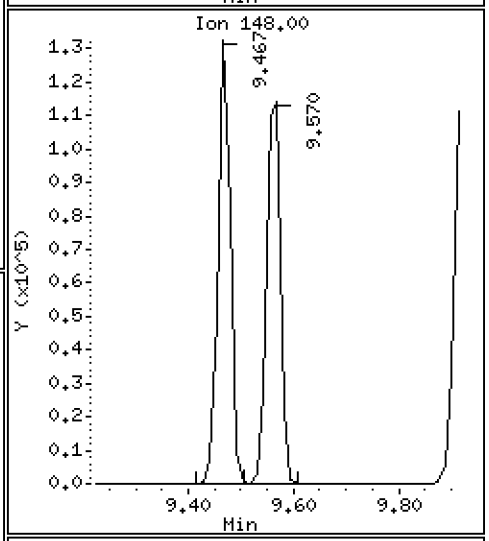


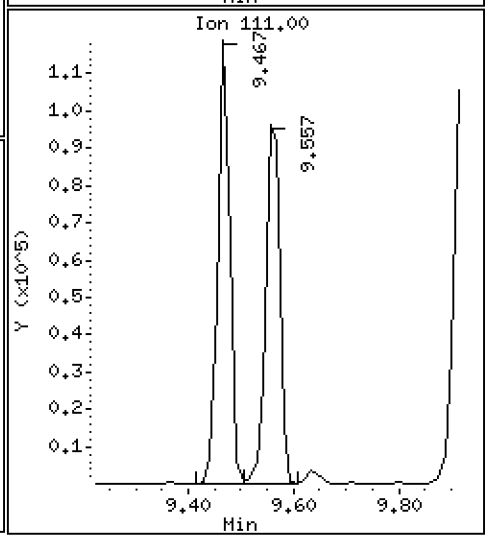












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

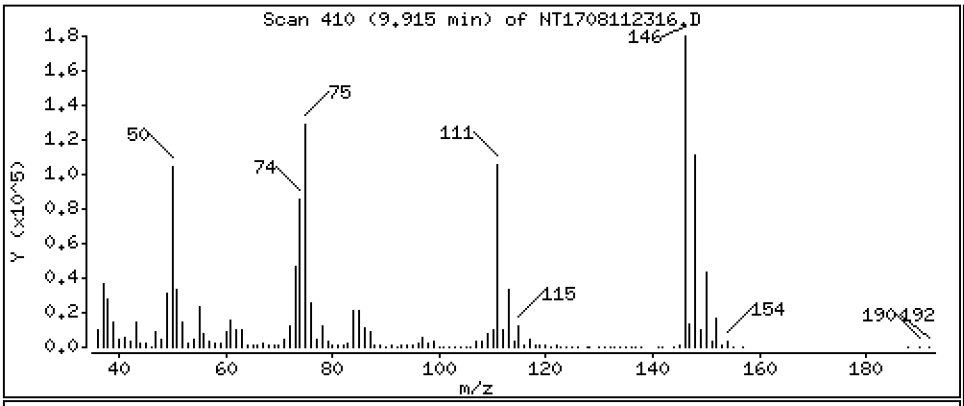
Operator: JGR

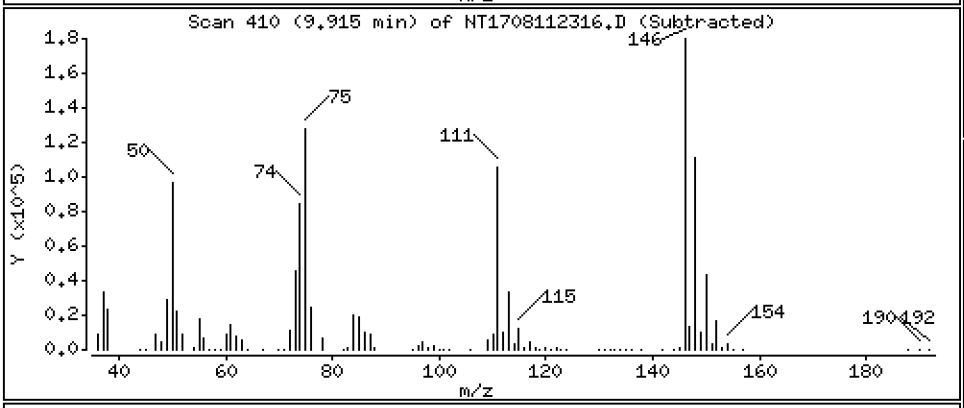
Column phase: ZB-5msi

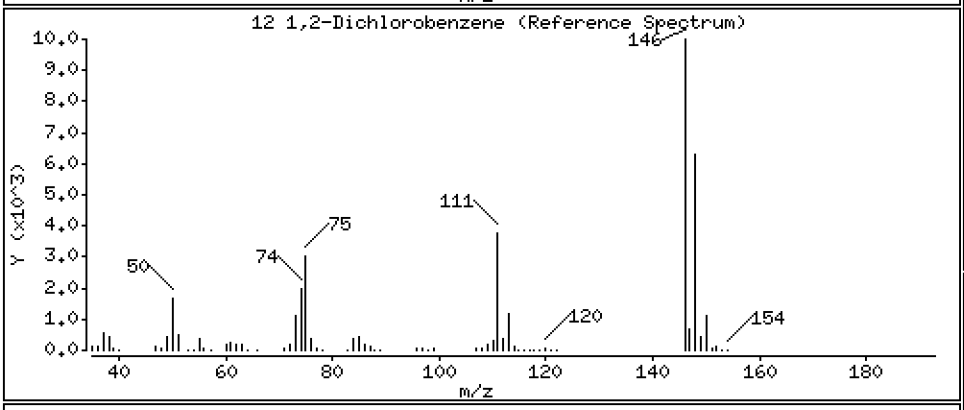
Column diameter: 0.25

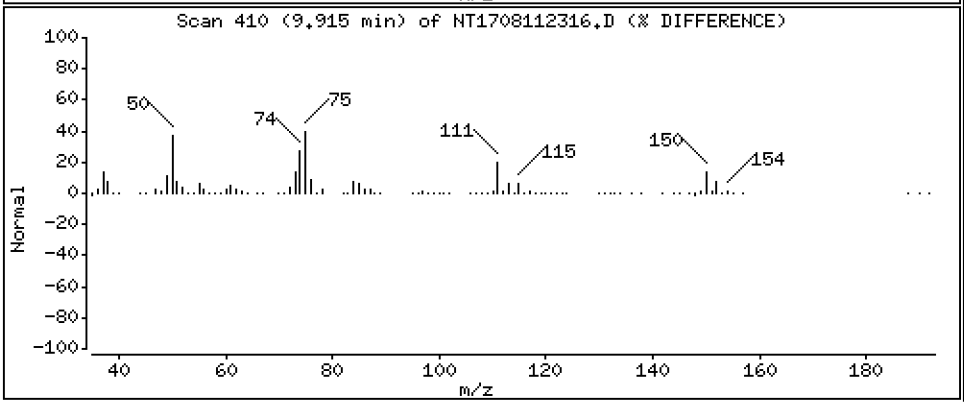
12 1,2-Dichlorobenzene

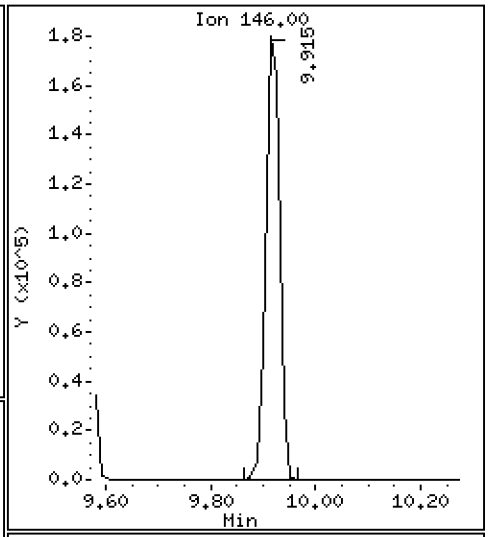
Concentration: 3.416 ug/mL

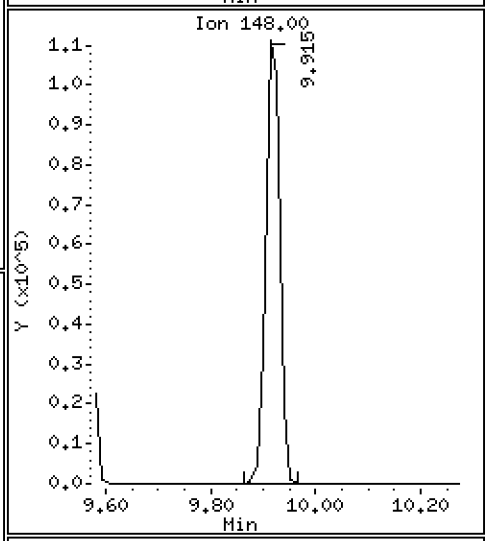


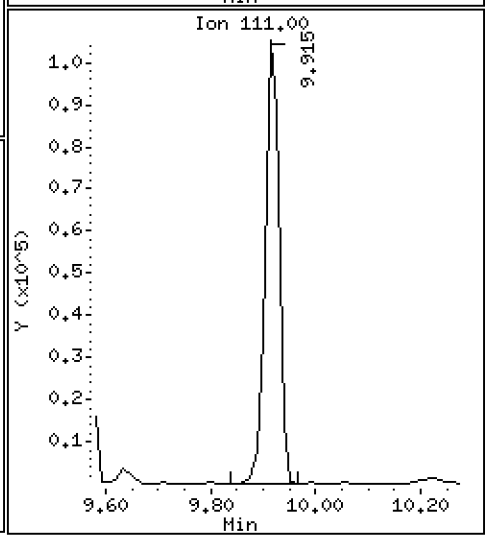












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Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

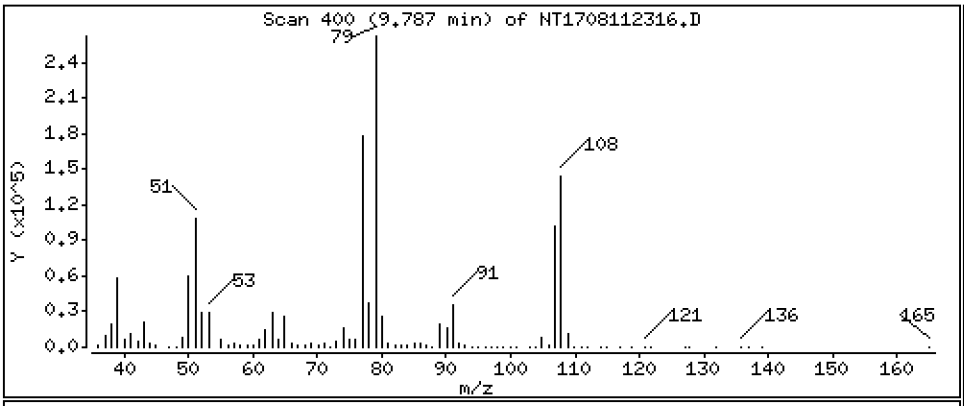
Operator: JGR

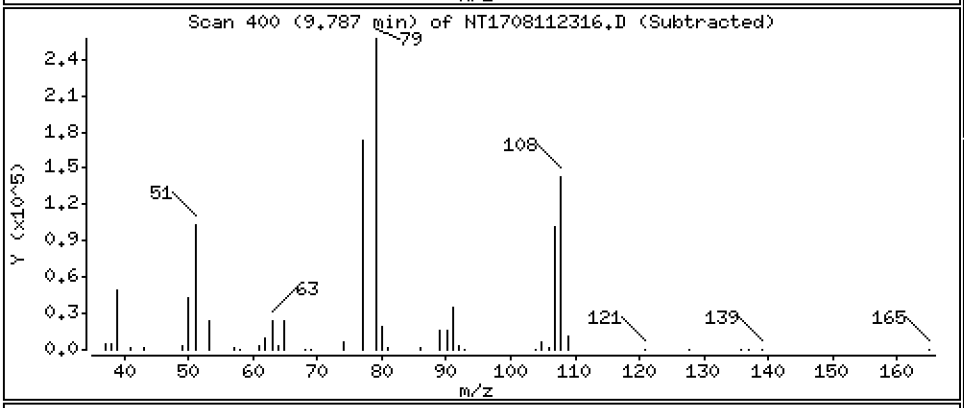
Column phase: ZB-5msi

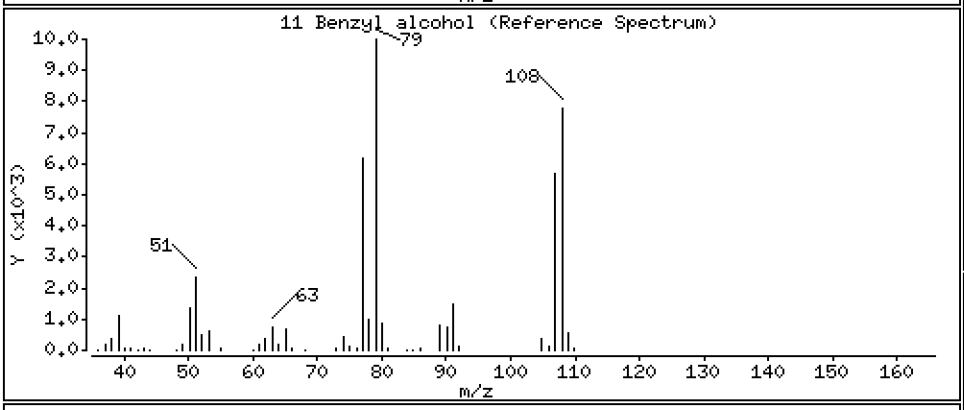
Column diameter: 0.25

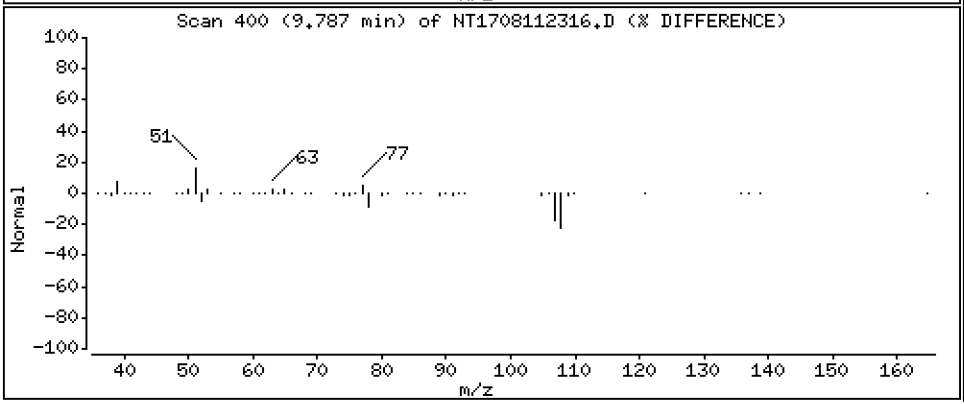
11 Benzyl alcohol

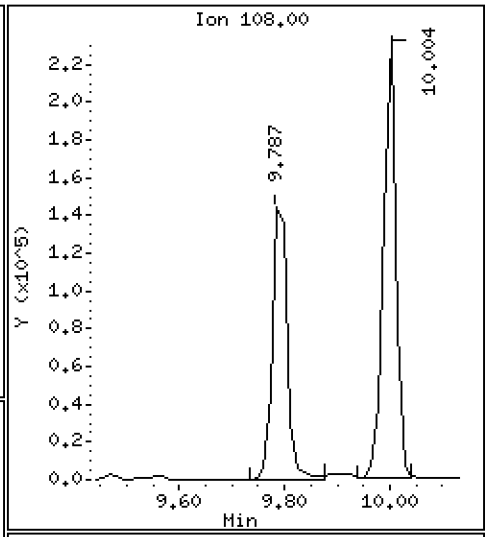
Concentration: 3.917 ug/mL

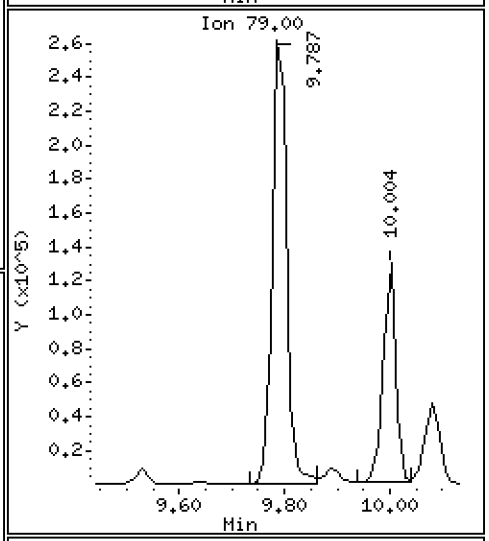


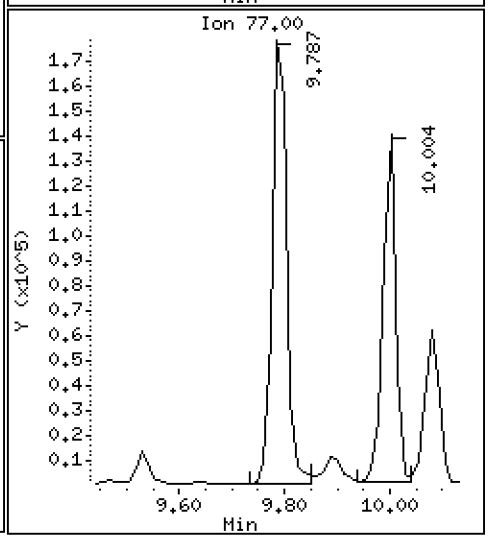












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Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

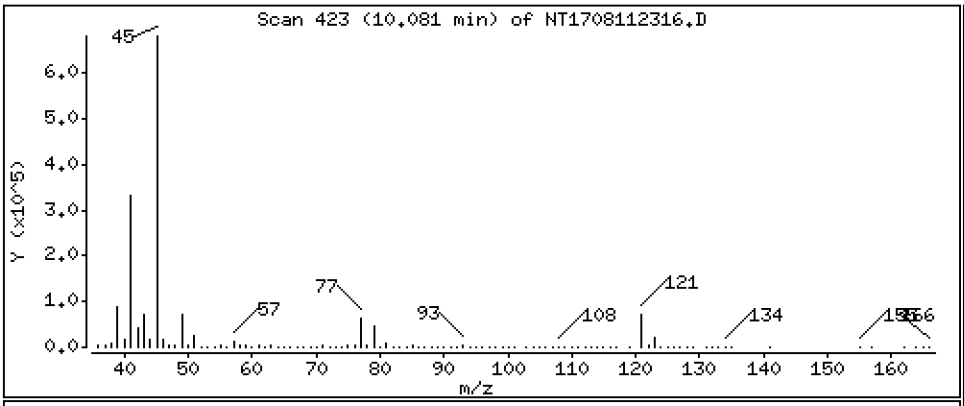
Operator: JGR

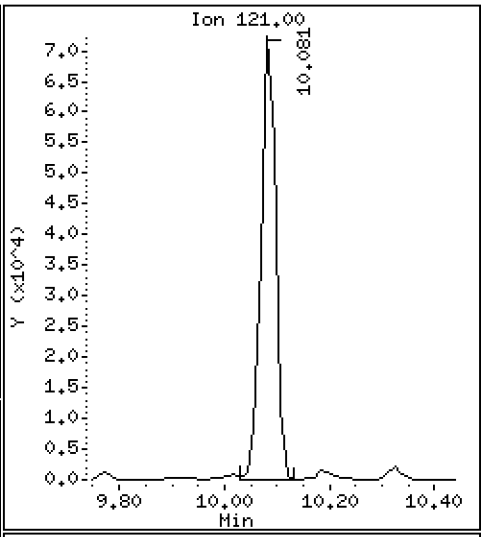
Column phase: ZB-5msi

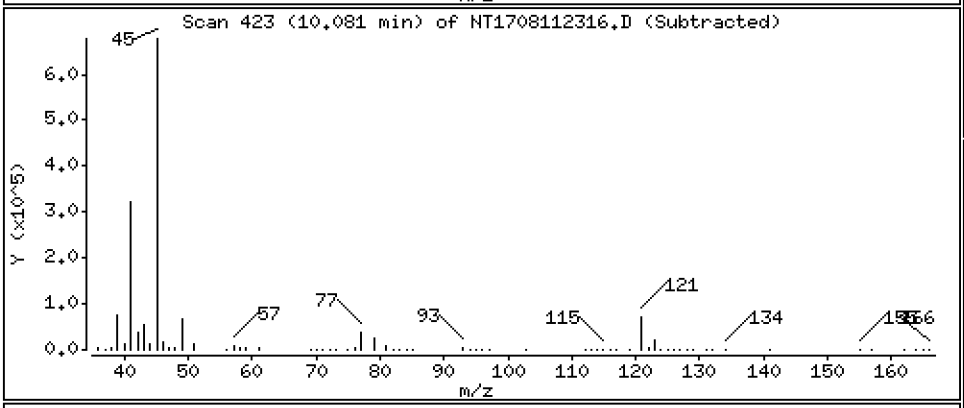
Column diameter: 0.25

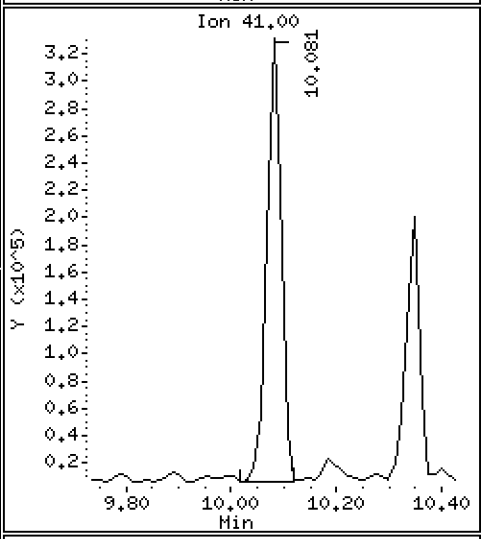
14 2,2'-oxybis(1-Chloropropane)

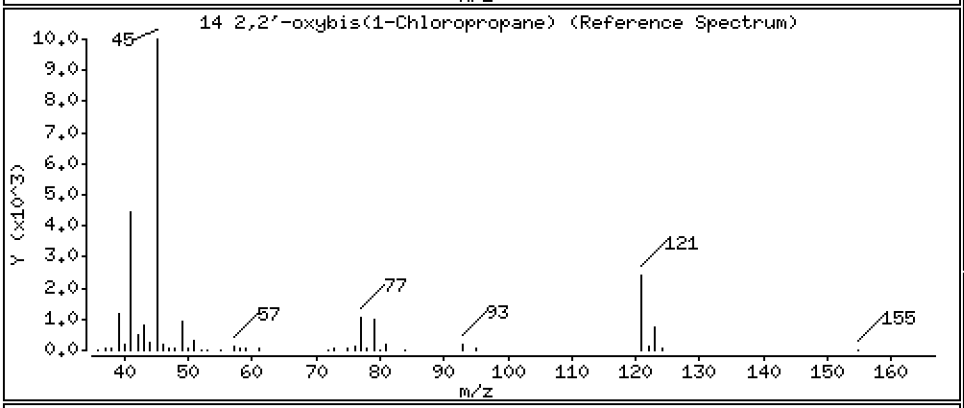
Concentration: 4.335 ug/mL

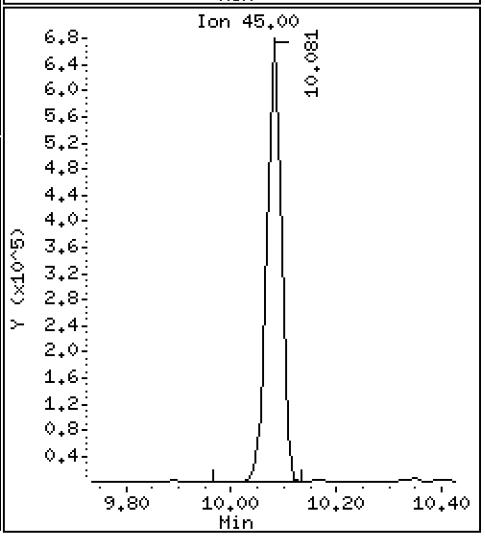


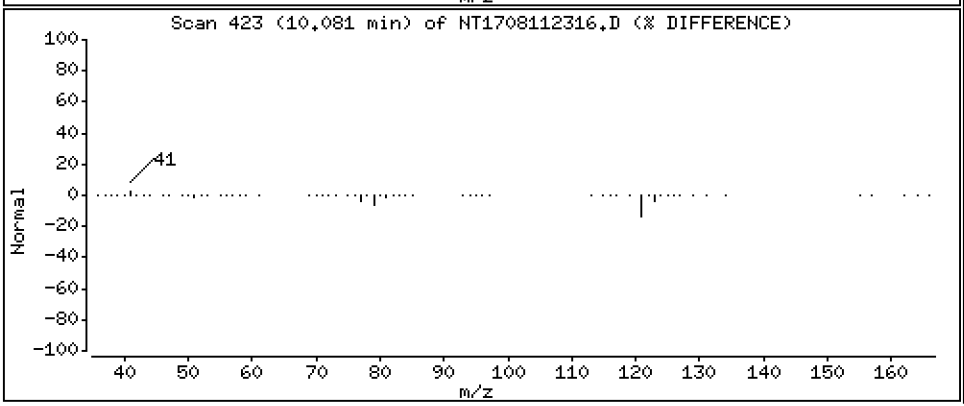












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

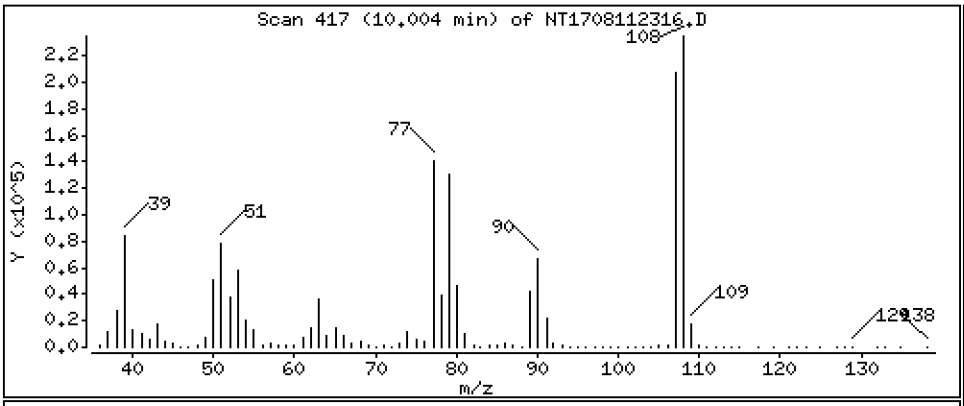
Operator: JGR

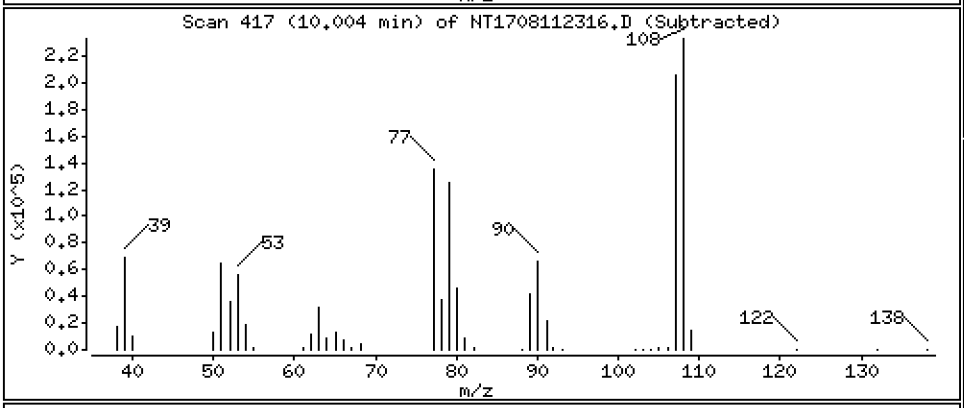
Column phase: ZB-5msi

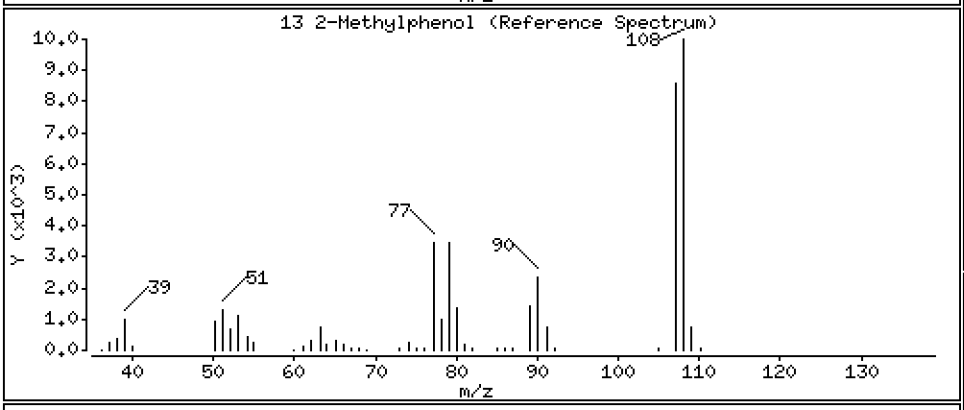
Column diameter: 0.25

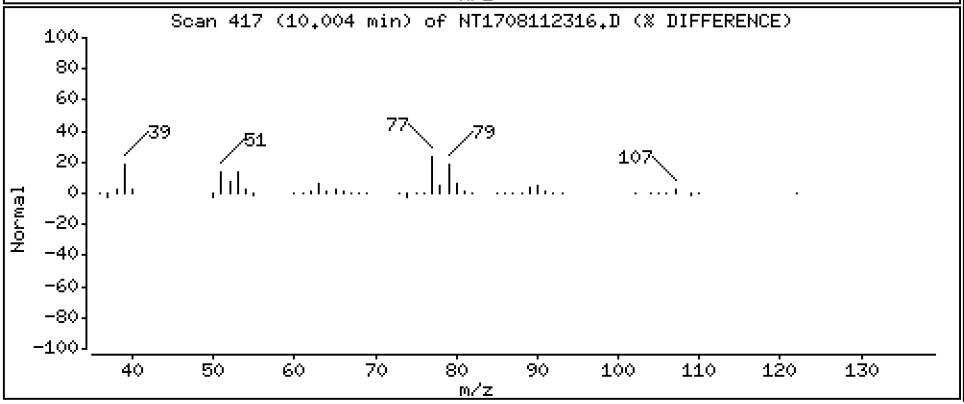
13 2-Methylphenol

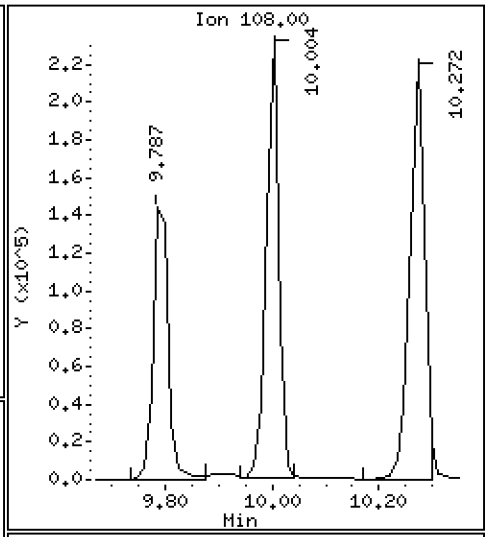
Concentration: 3.636 ug/mL

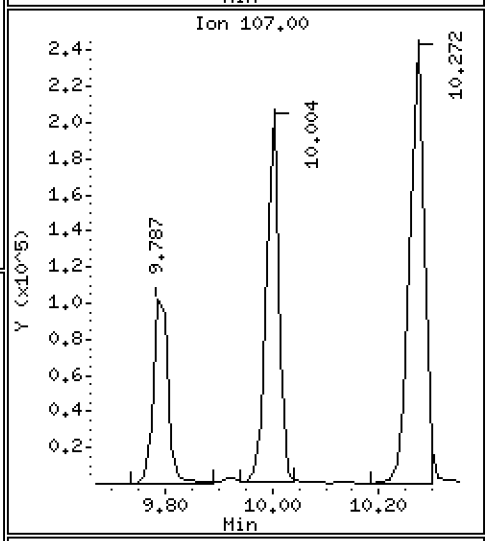


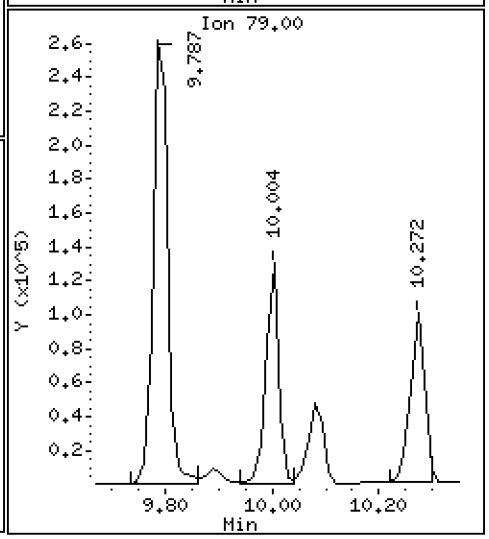












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

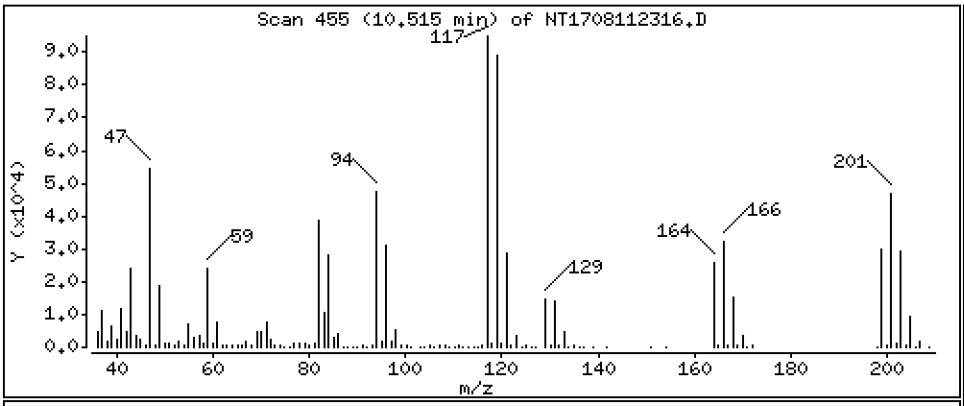
Operator: JGR

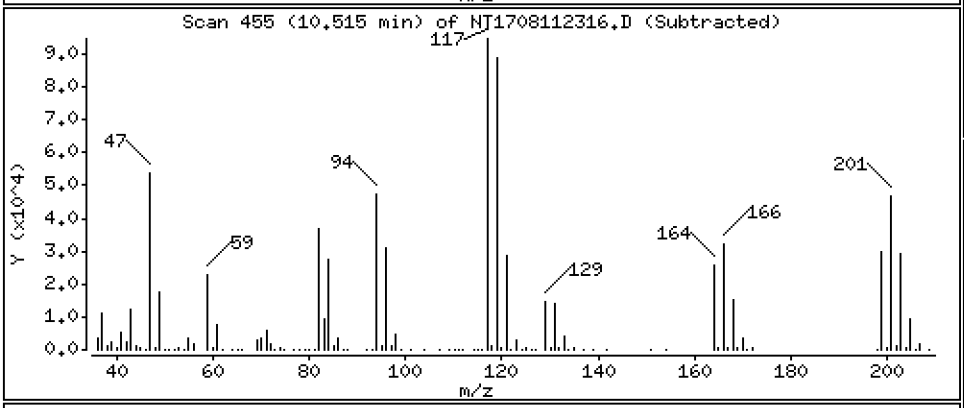
Column phase: ZB-5msi

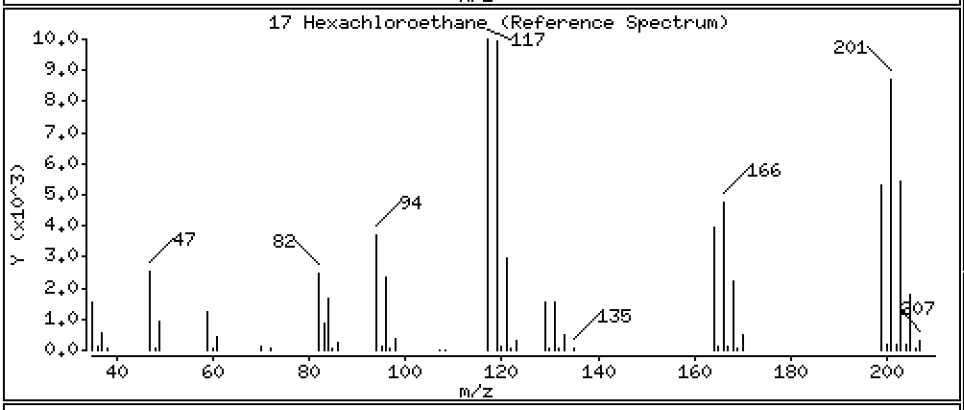
Column diameter: 0.25

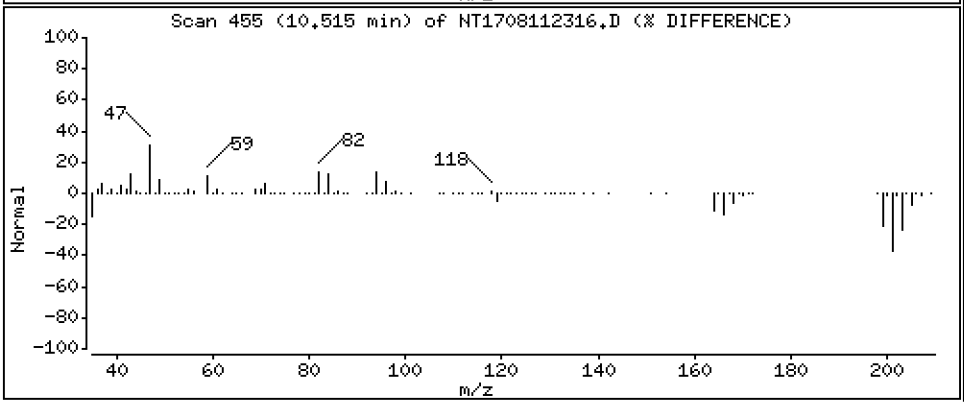
17 Hexachloroethane

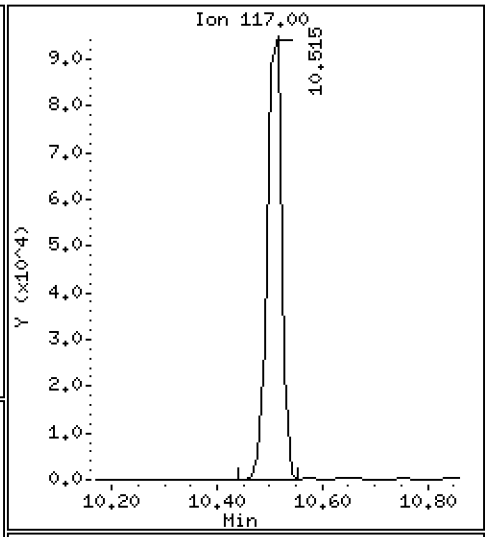
Concentration: 3.592 ug/mL

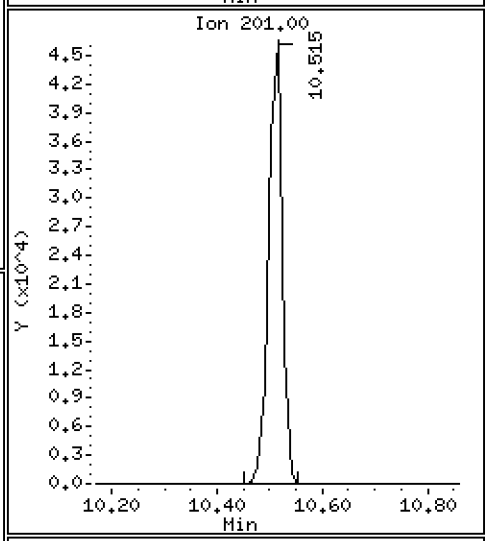


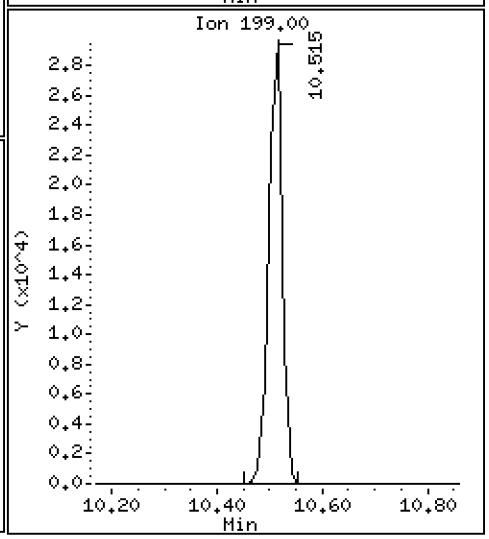












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

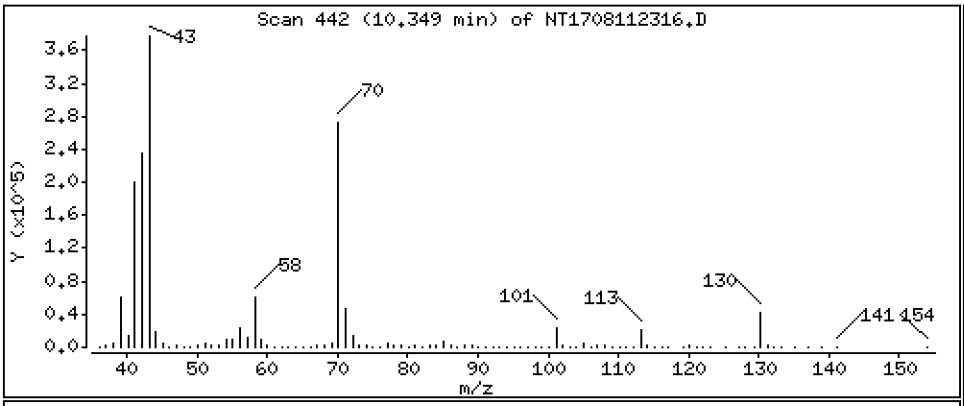
Operator: JGR

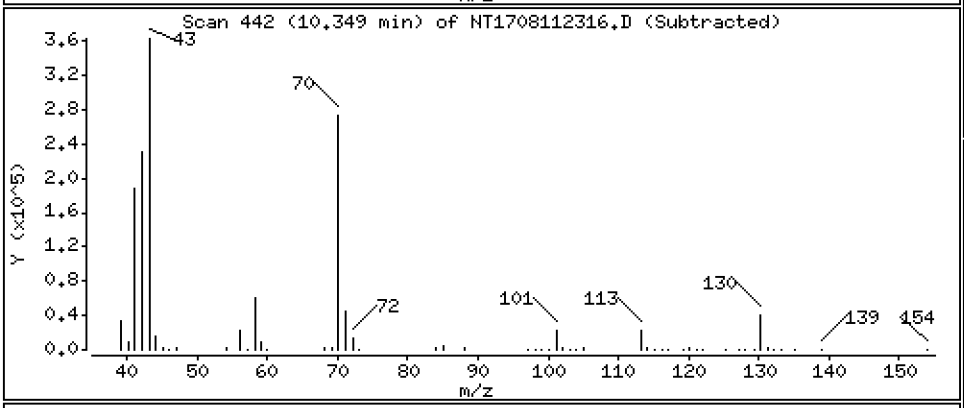
Column phase: ZB-5msi

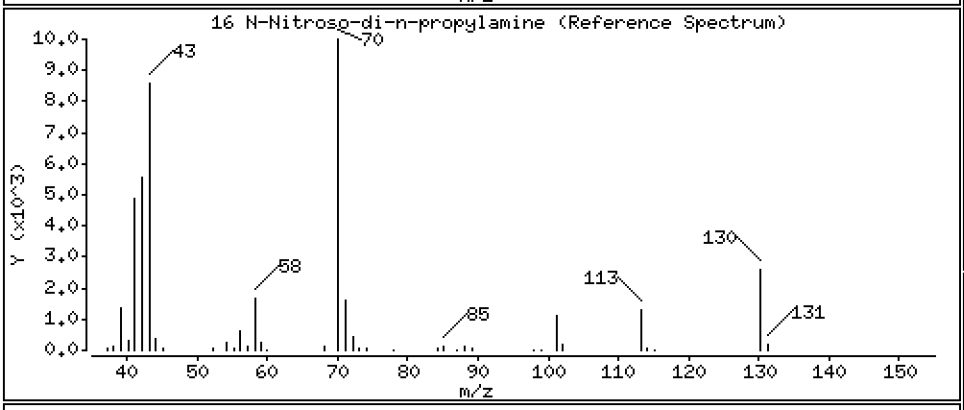
Column diameter: 0.25

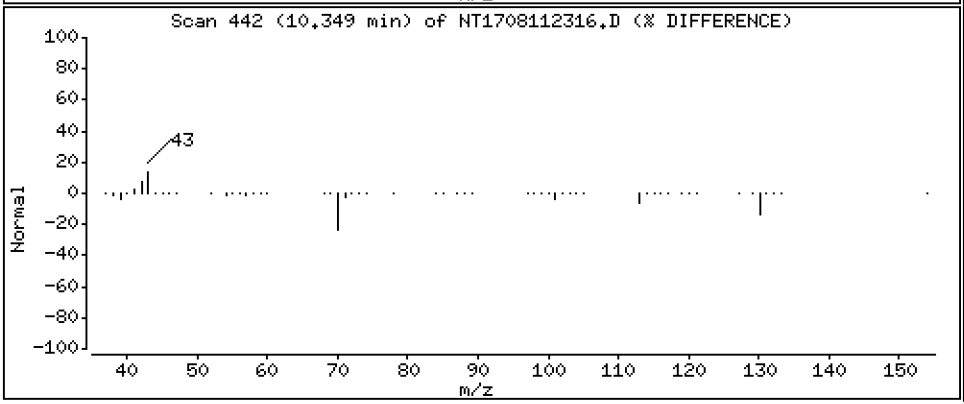
16 N-Nitroso-di-n-propylamine

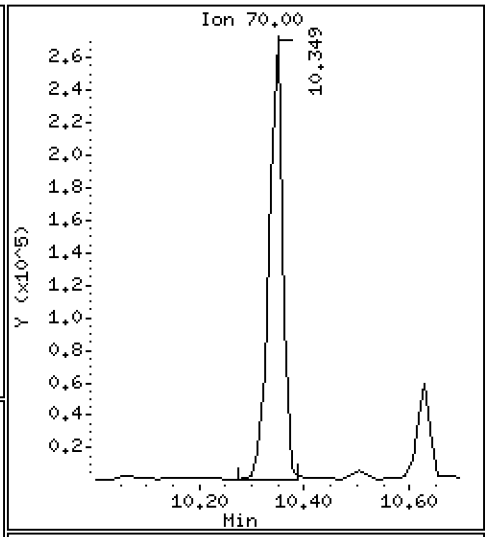
Concentration: 4.039 ug/mL

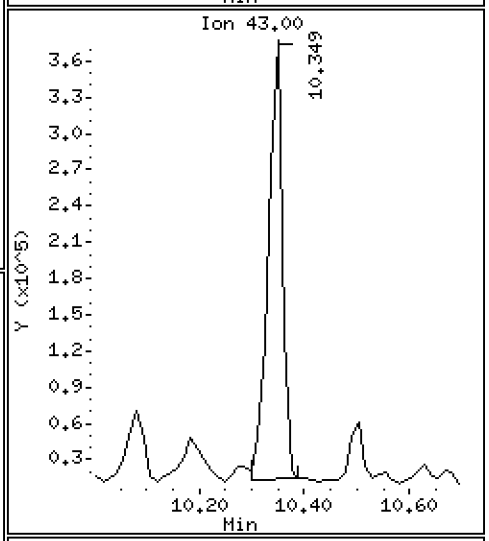


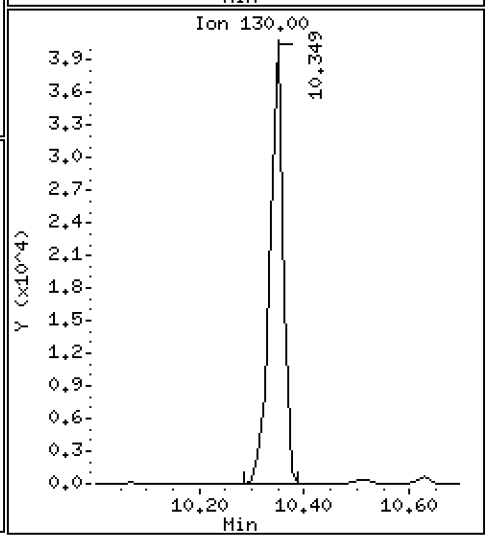












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

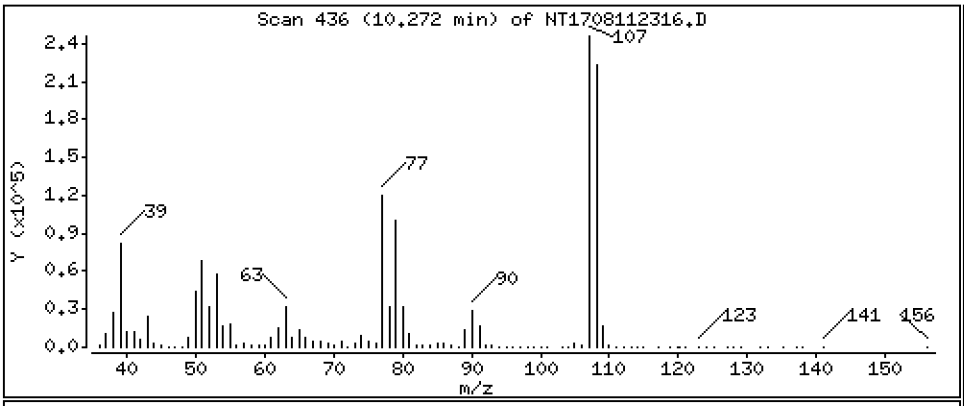
Operator: JGR

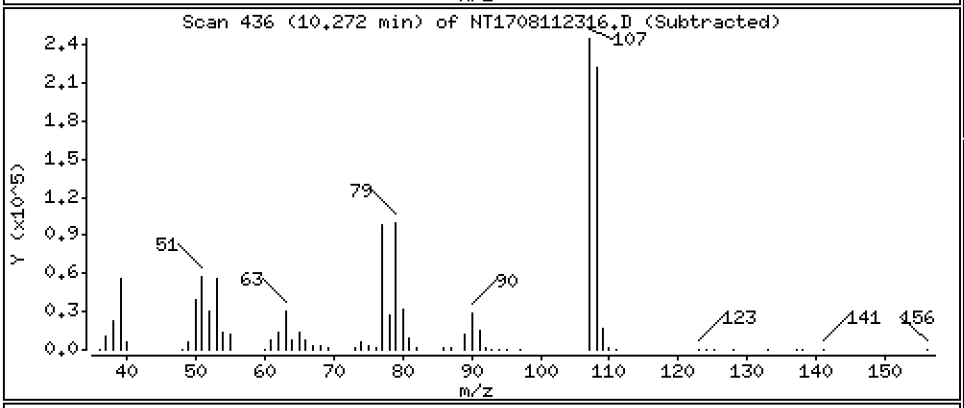
Column phase: ZB-5msi

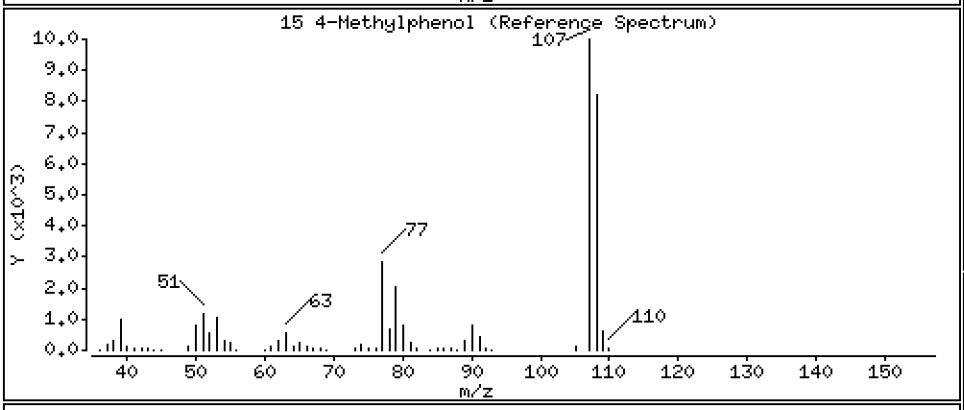
Column diameter: 0.25

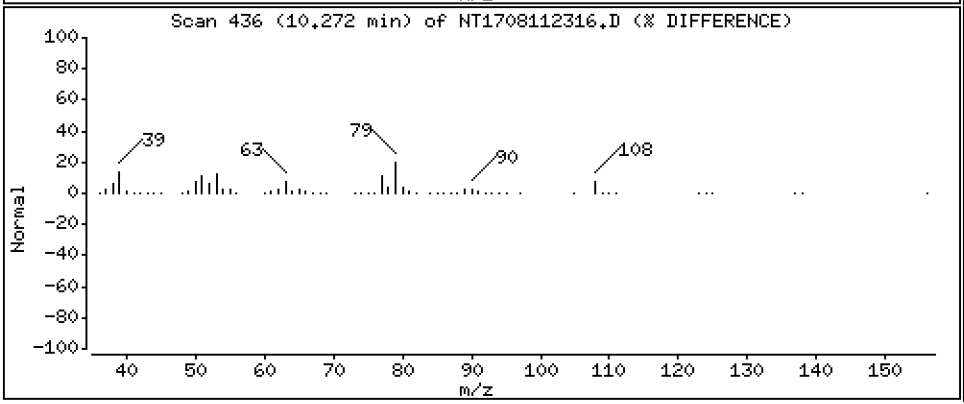
15 4-Methylphenol

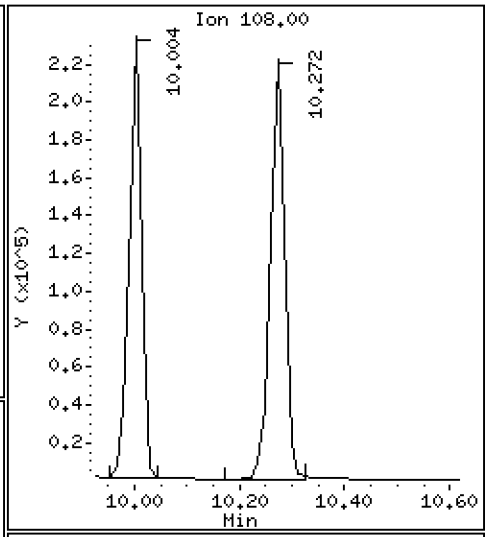
Concentration: 3.397 ug/mL

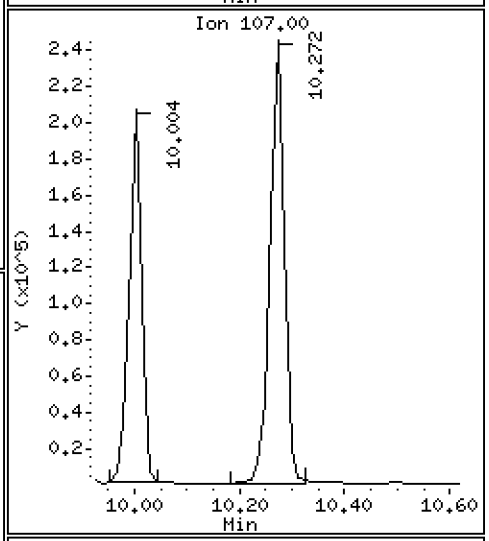


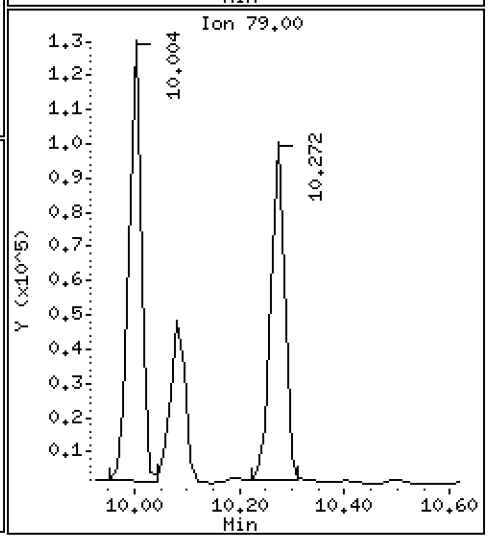












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

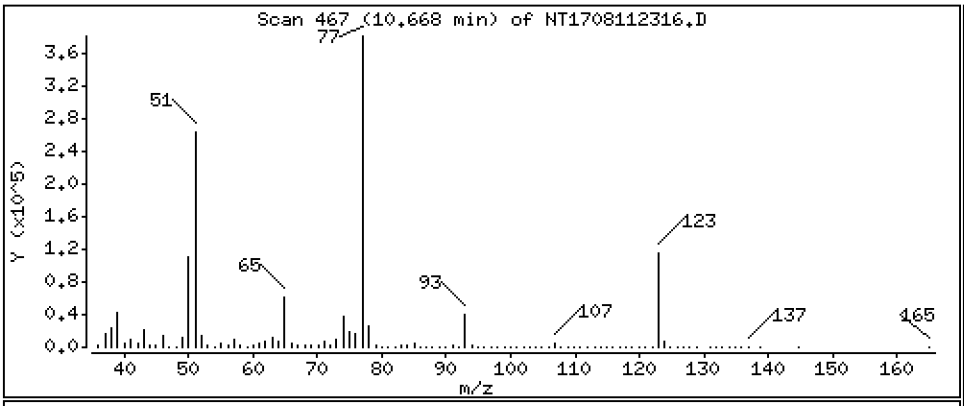
Operator: JGR

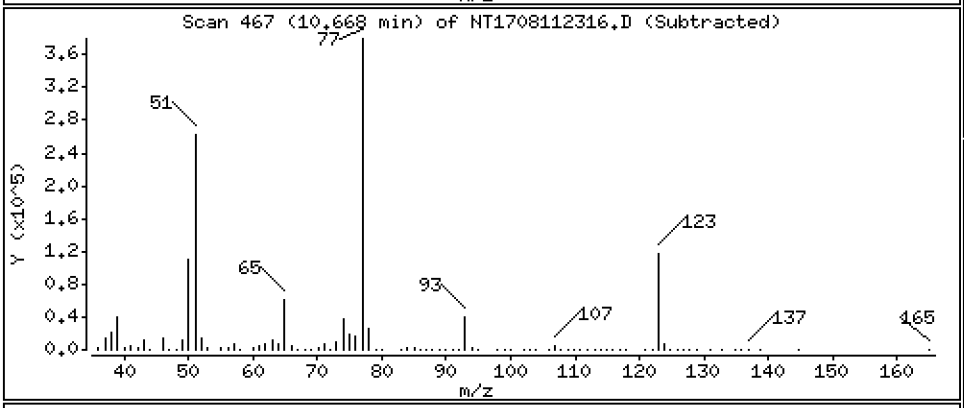
Column phase: ZB-5msi

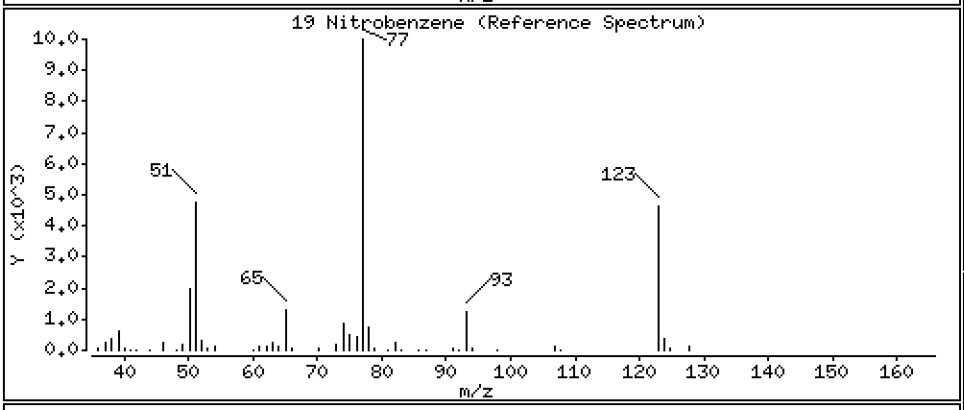
Column diameter: 0.25

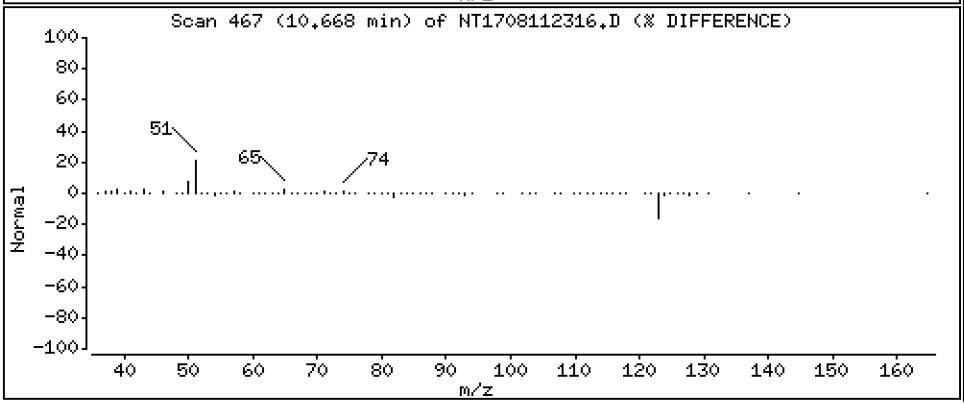
19 Nitrobenzene

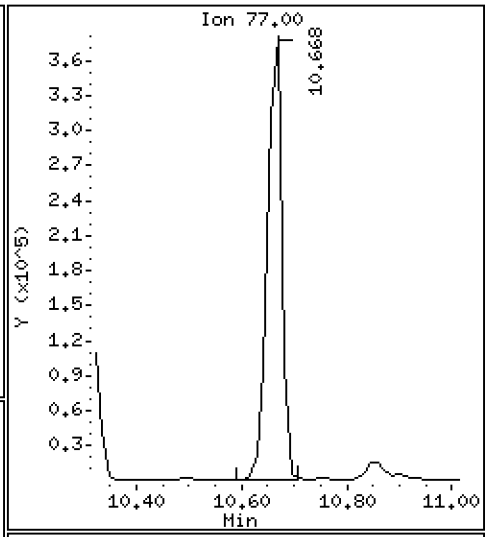
Concentration: 4.096 ug/mL

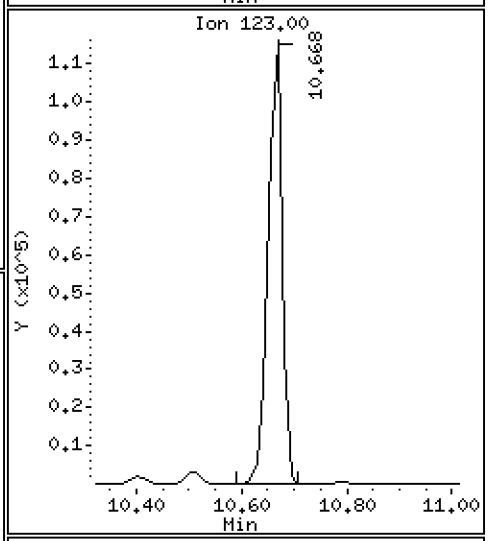


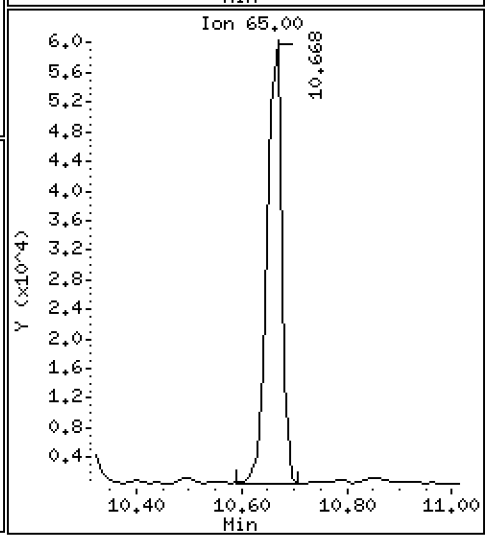












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

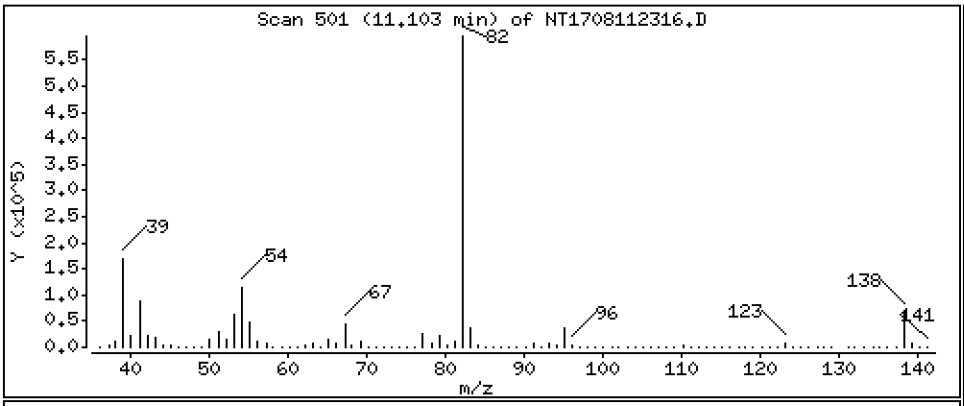
Operator: JGR

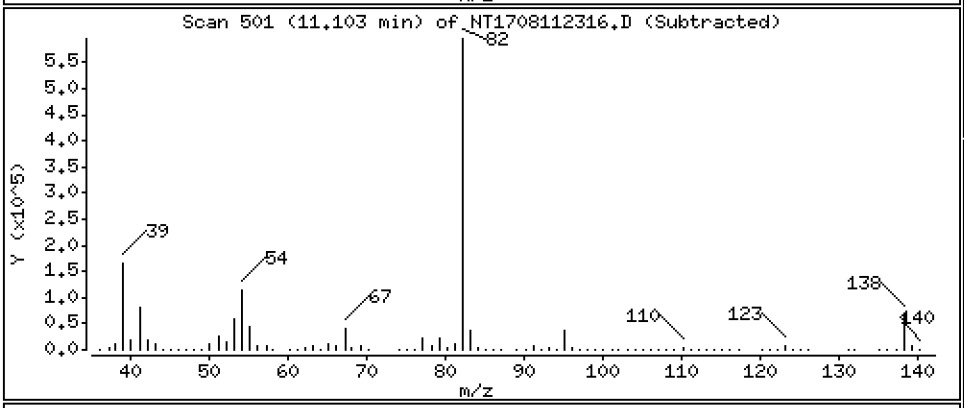
Column phase: ZB-5msi

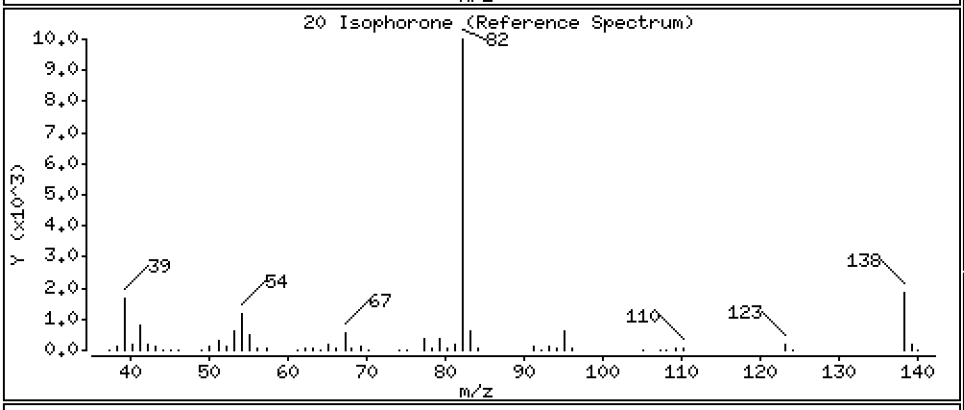
Column diameter: 0.25

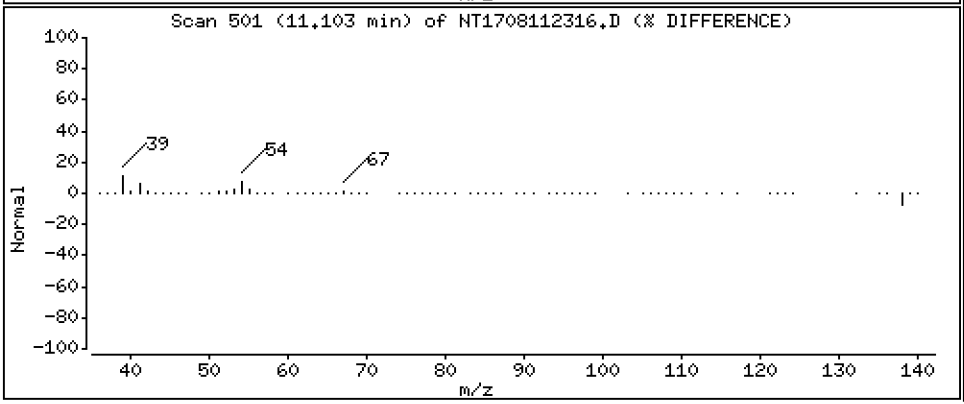
20 Isophorone

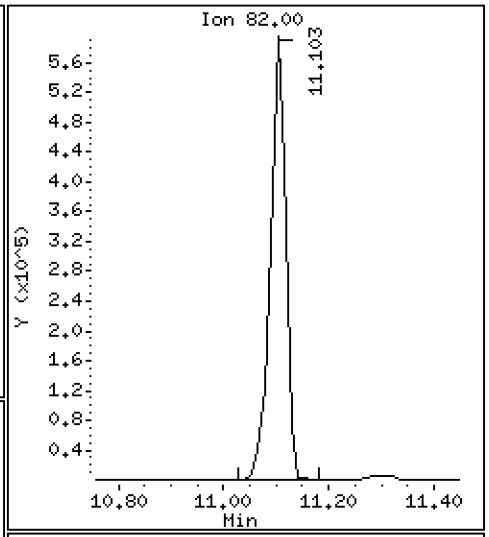
Concentration: 5.496 ug/mL

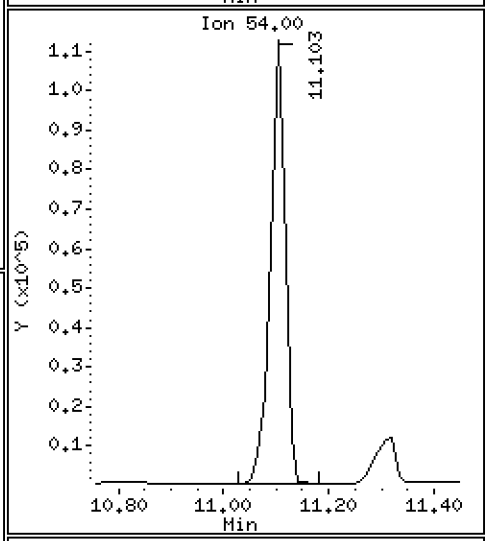


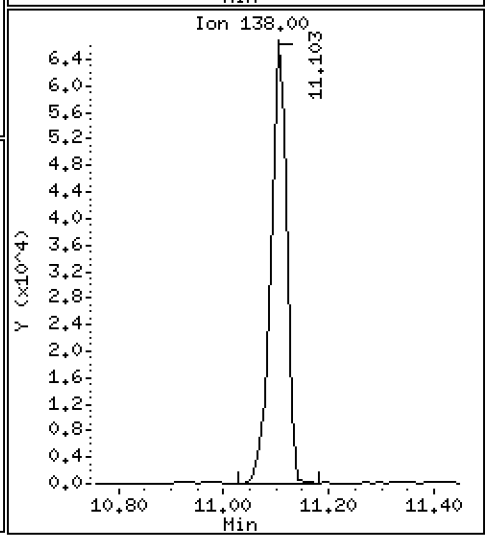












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

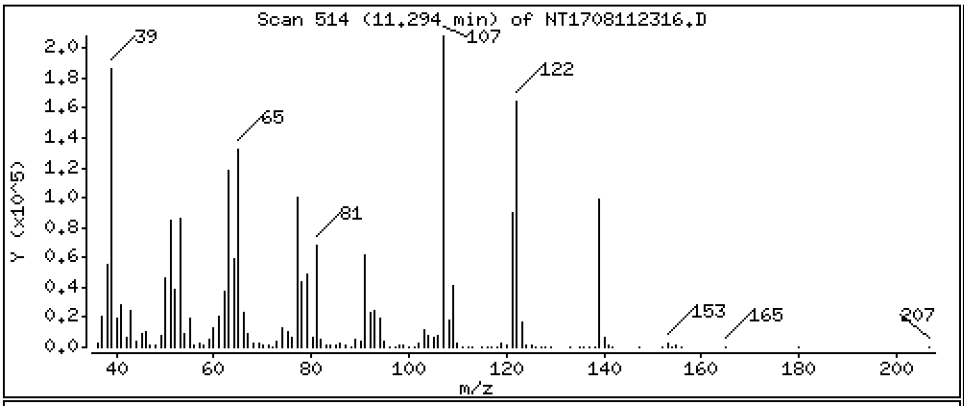
Operator: JGR

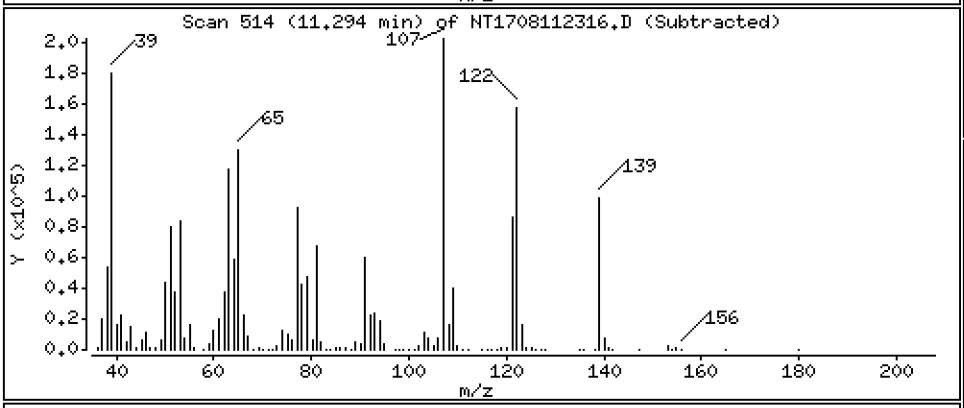
Column phase: ZB-5msi

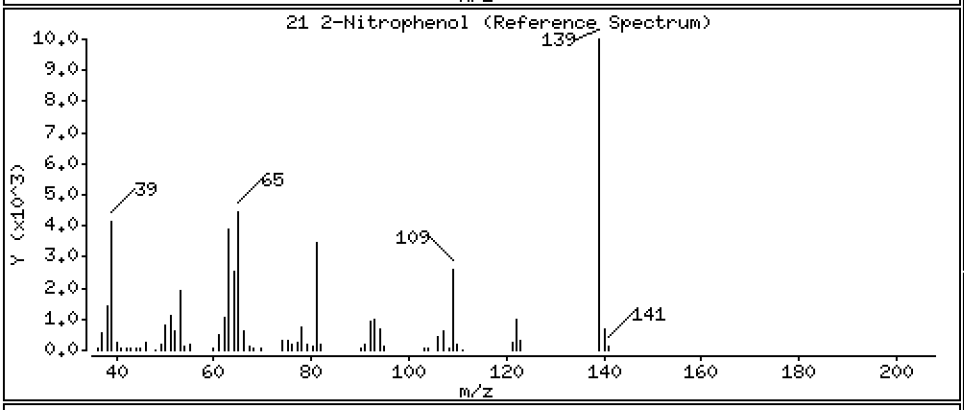
Column diameter: 0.25

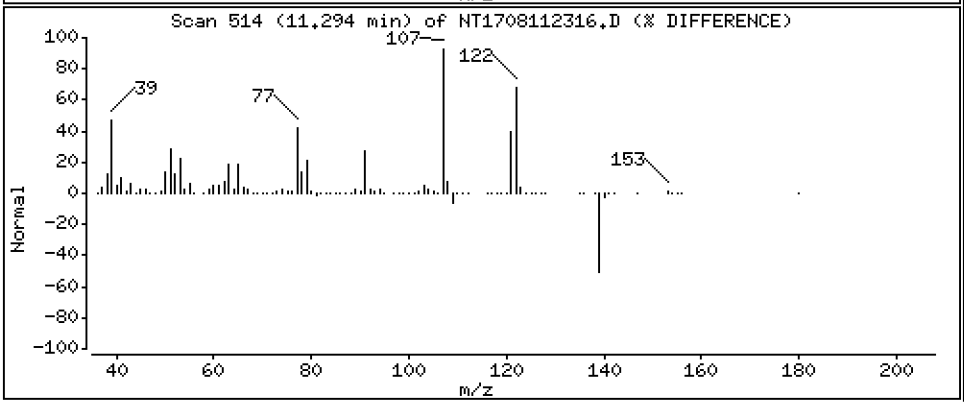
21 2-Nitrophenol

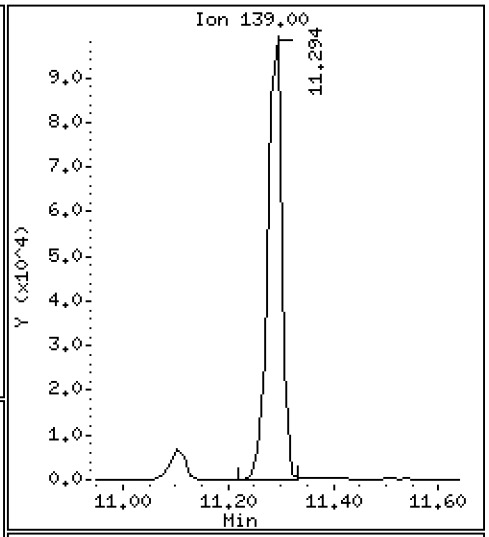
Concentration: 3.649 ug/mL

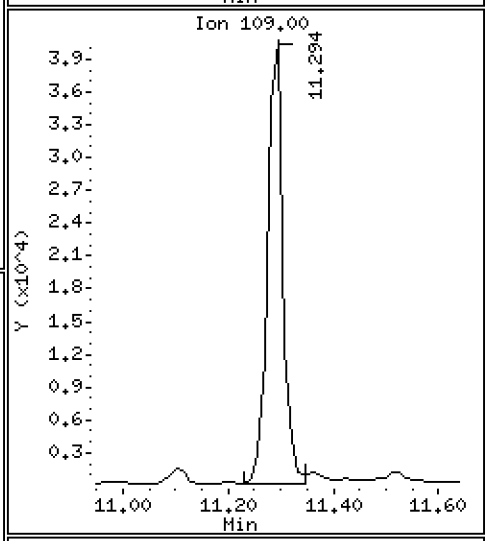


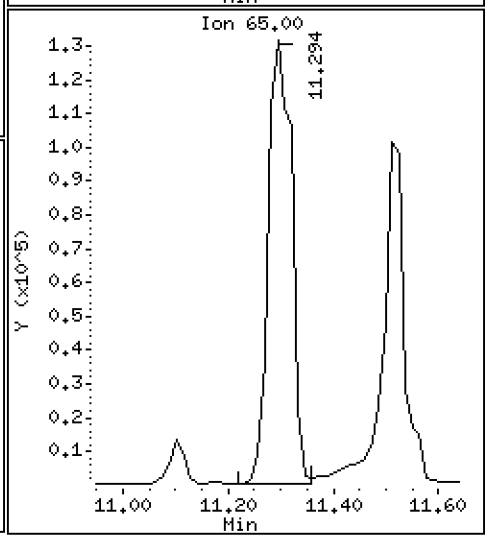












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

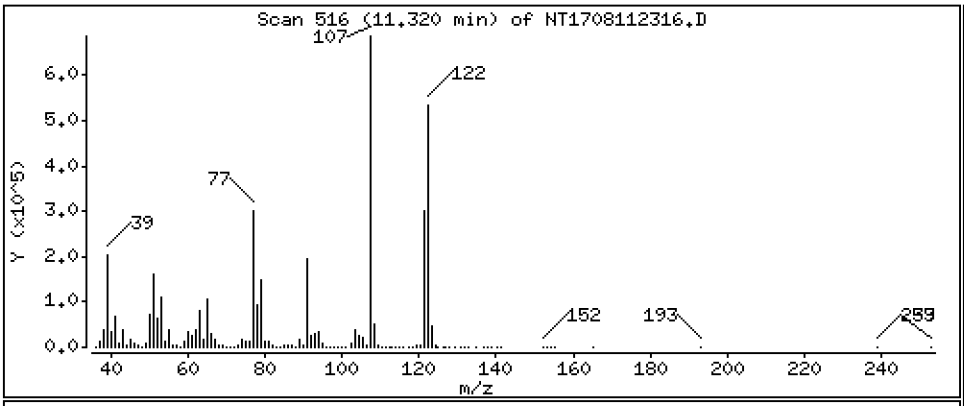
Operator: JGR

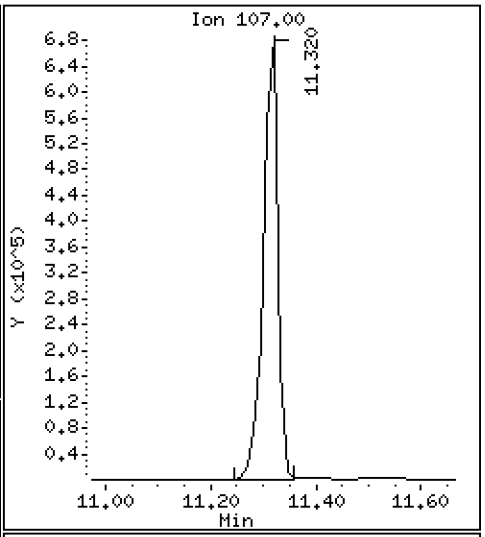
Column phase: ZB-5msi

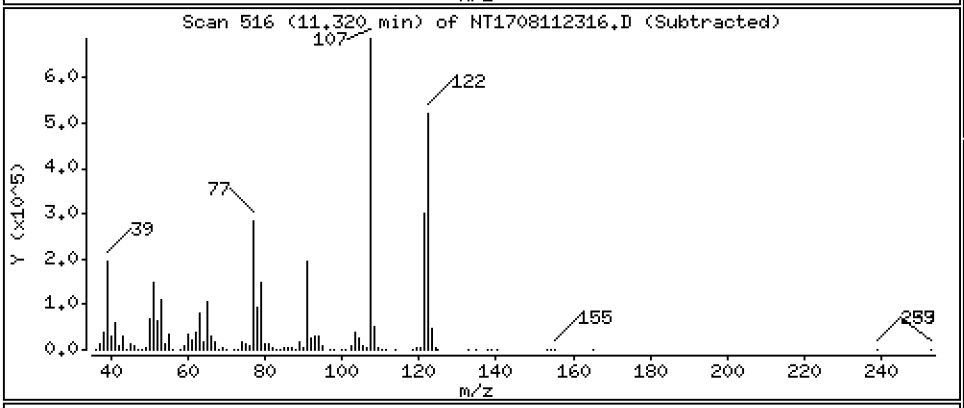
Column diameter: 0.25

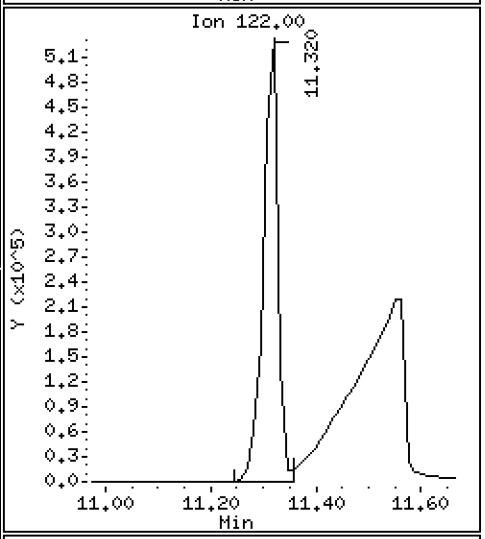
22 2,4-Dimethylphenol

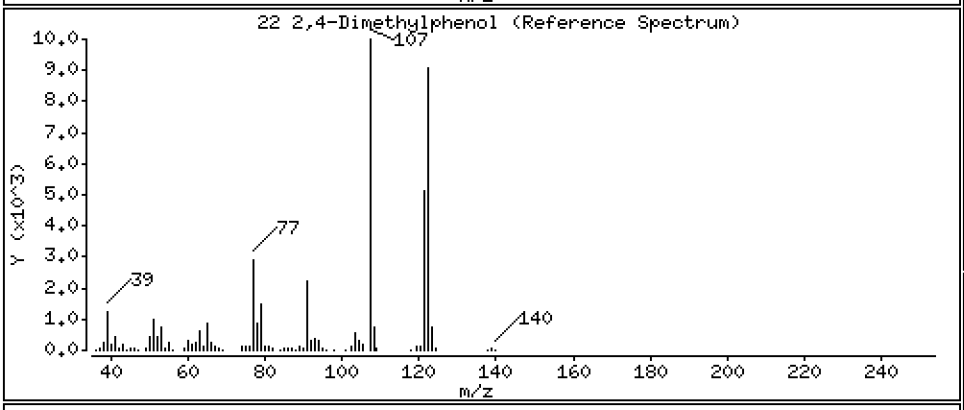
Concentration: 11.18 ug/mL

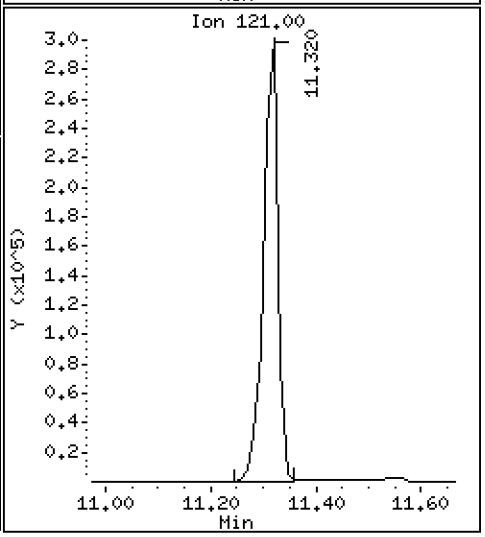


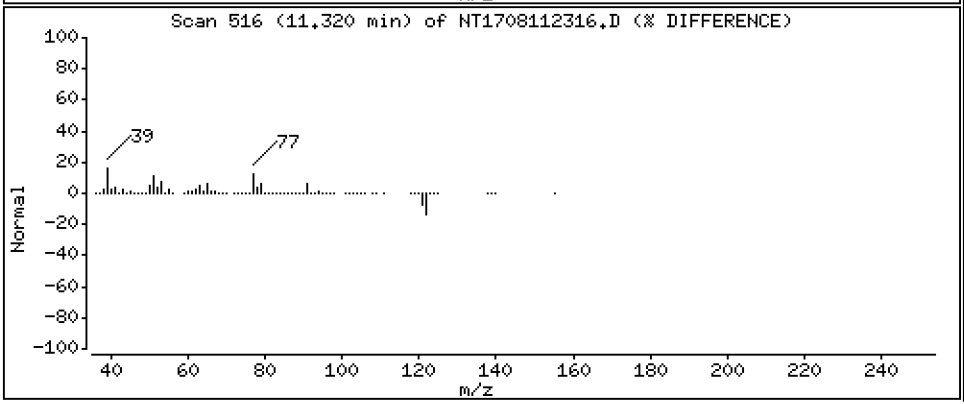












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

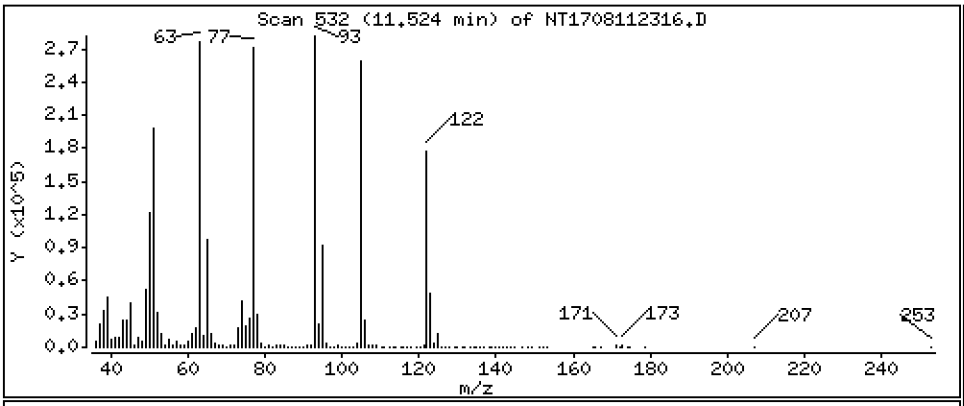
Operator: JGR

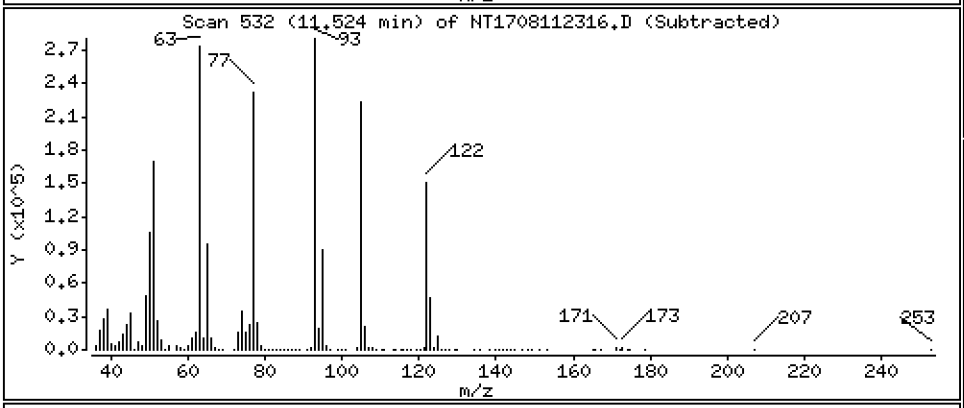
Column phase: ZB-5msi

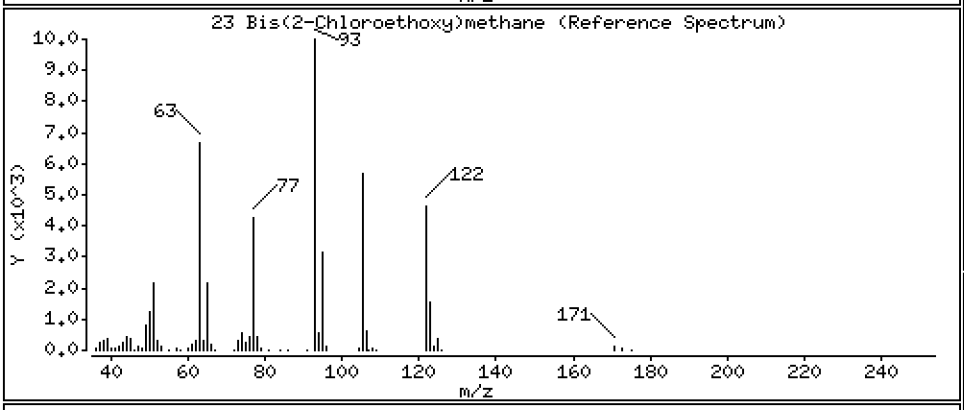
Column diameter: 0.25

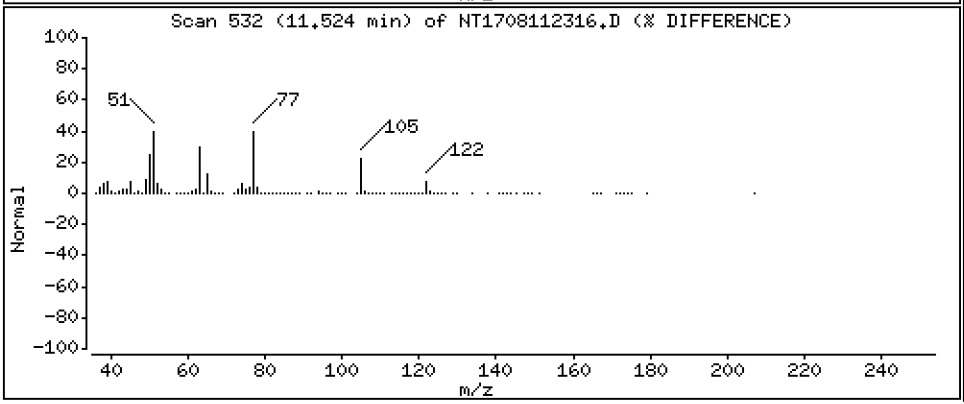
23 Bis(2-Chloroethoxy)methane

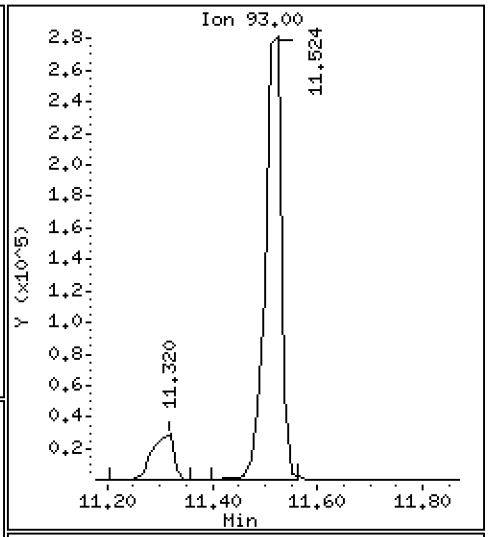
Concentration: 4.391 ug/mL

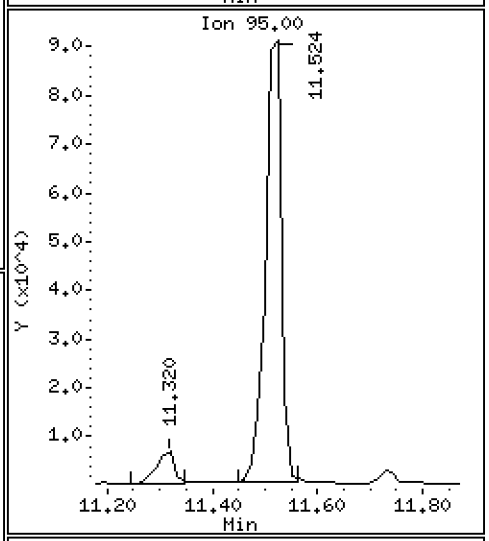


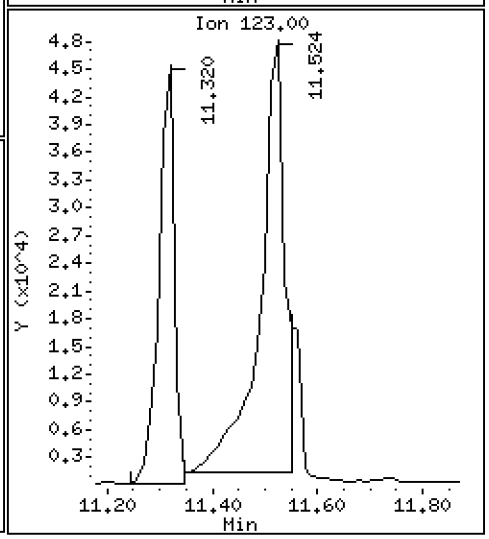












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

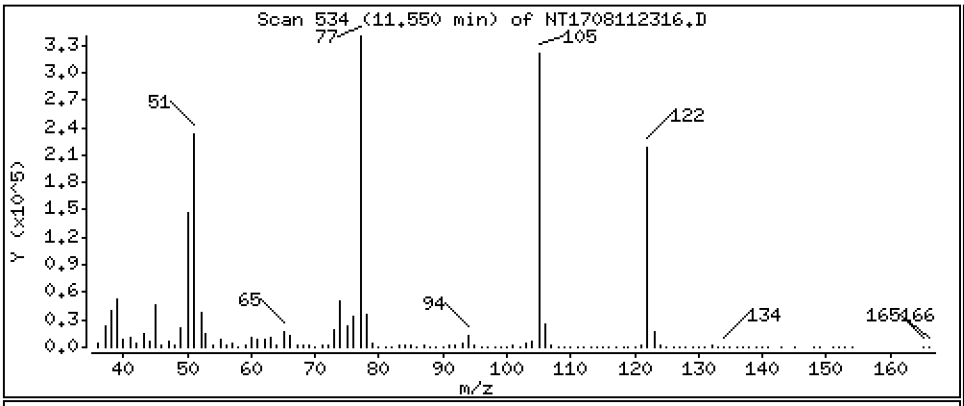
Operator: JGR

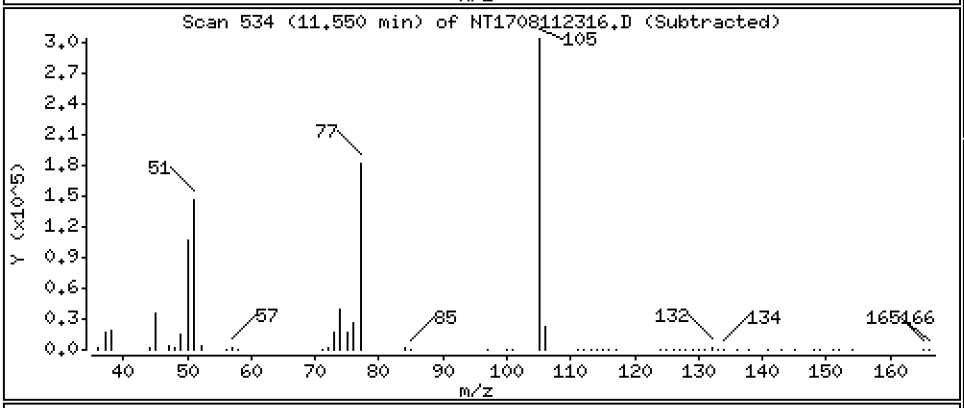
Column phase: ZB-5msi

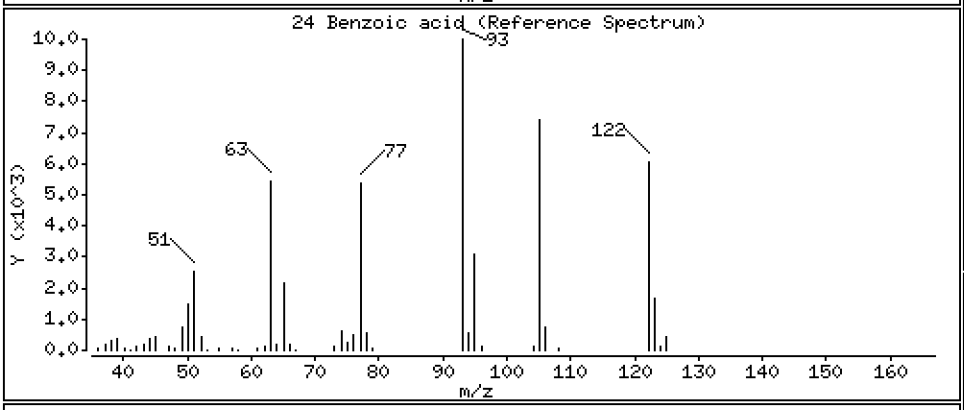
Column diameter: 0.25

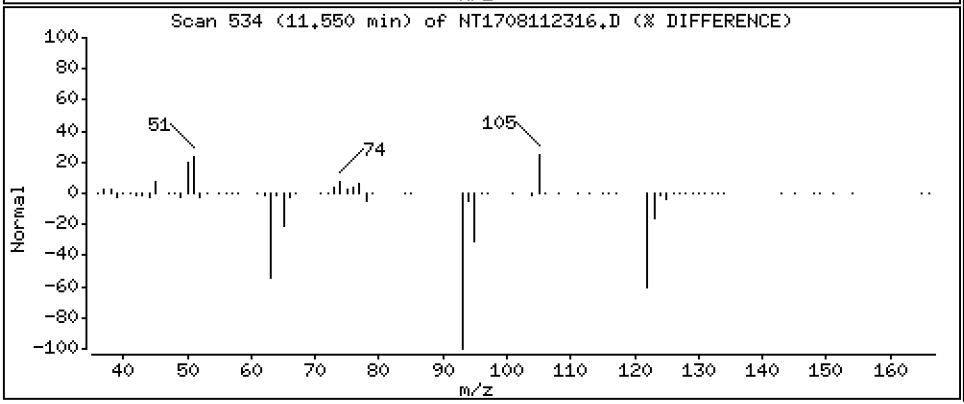
24 Benzoic acid

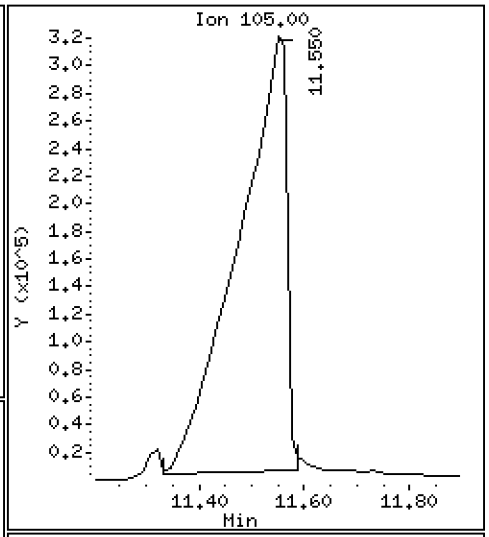
Concentration: 19.81 ug/mL

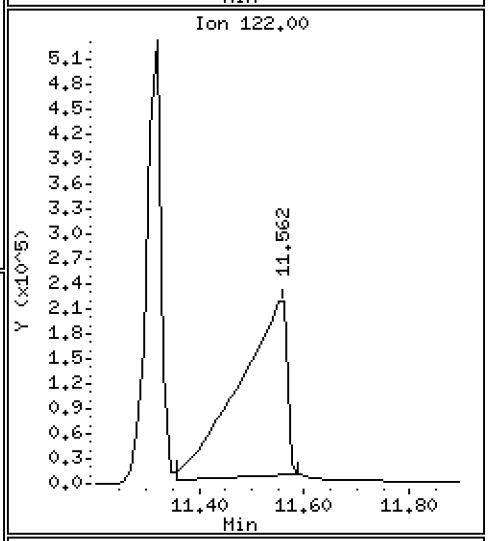


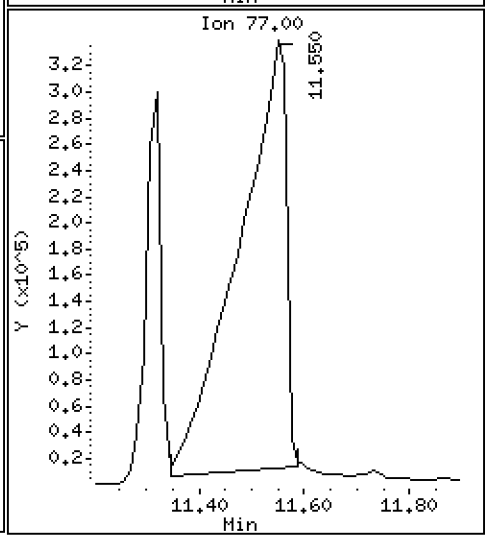












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

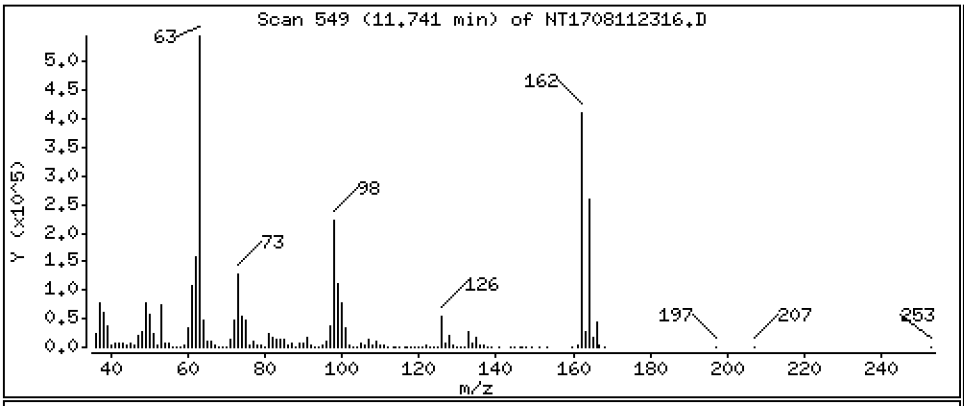
Operator: JGR

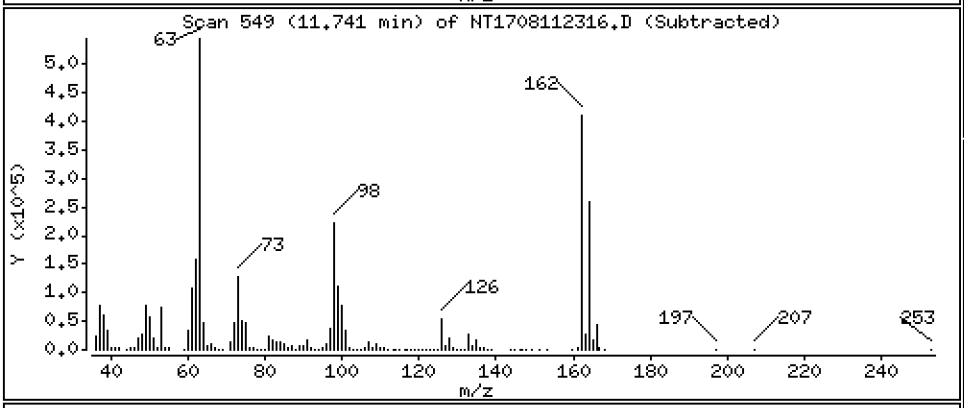
Column phase: ZB-5msi

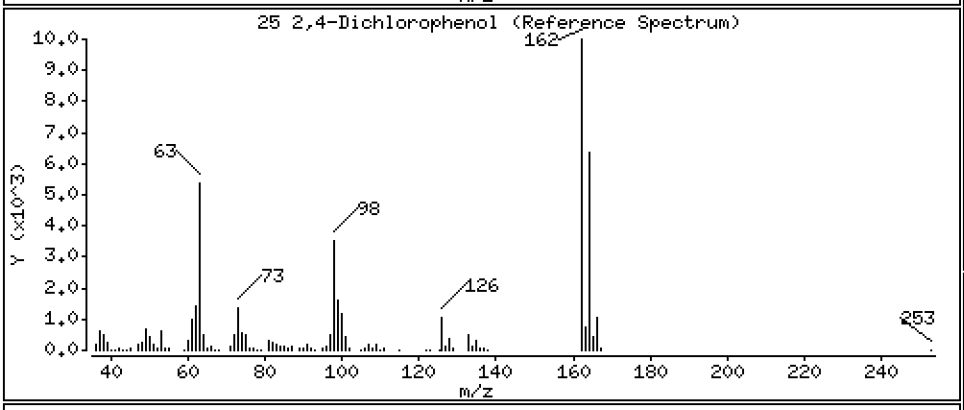
Column diameter: 0.25

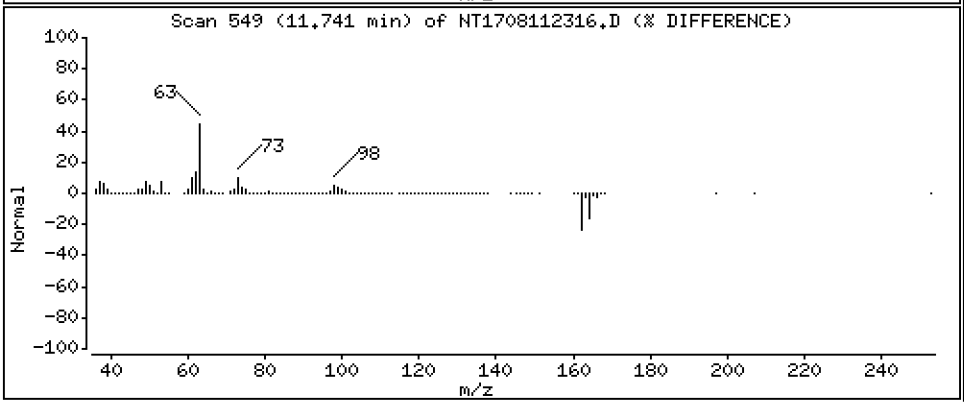
25 2,4-Dichlorophenol

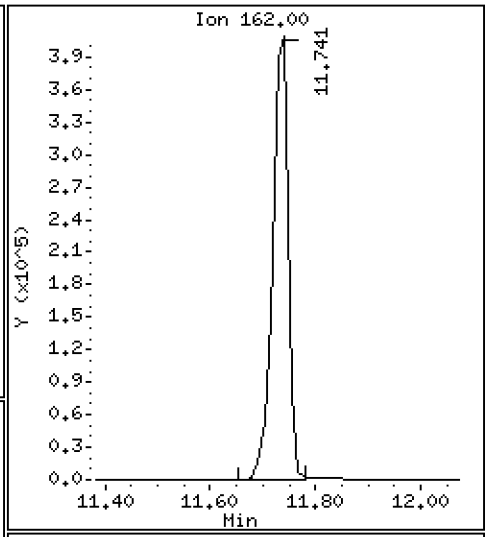
Concentration: 13.36 ug/mL

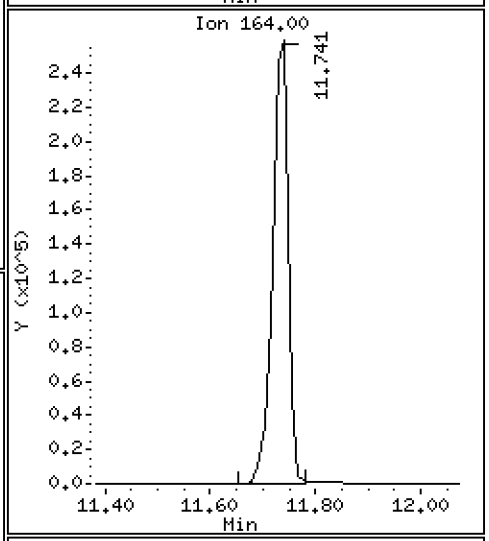


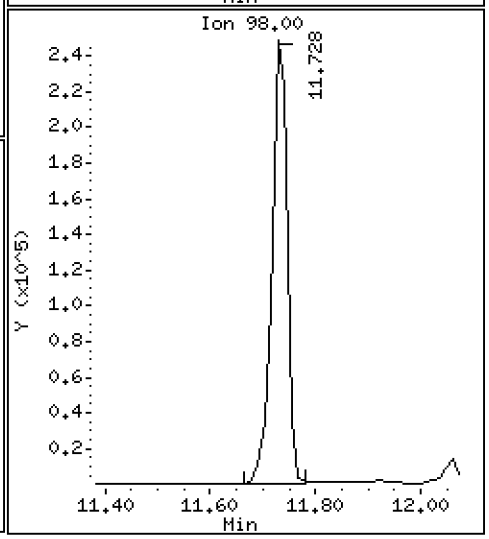












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

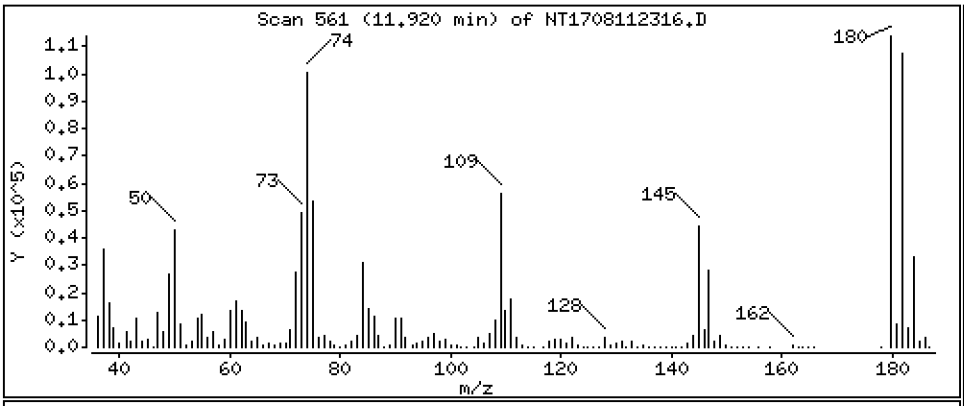
Operator: JGR

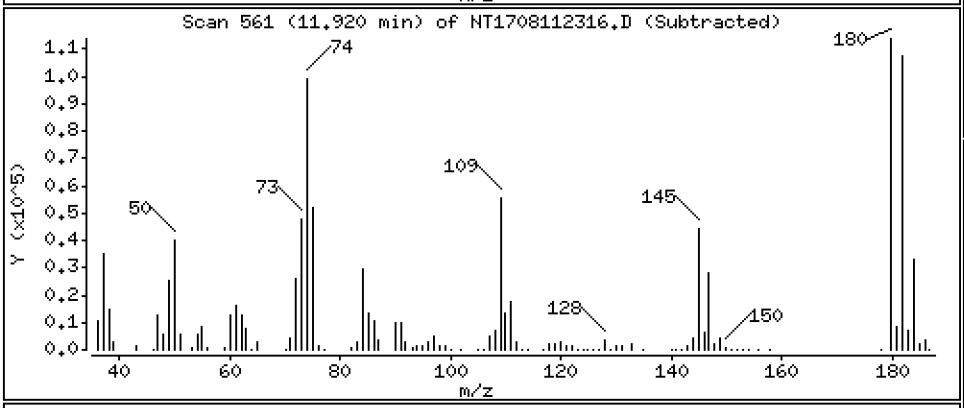
Column phase: ZB-5msi

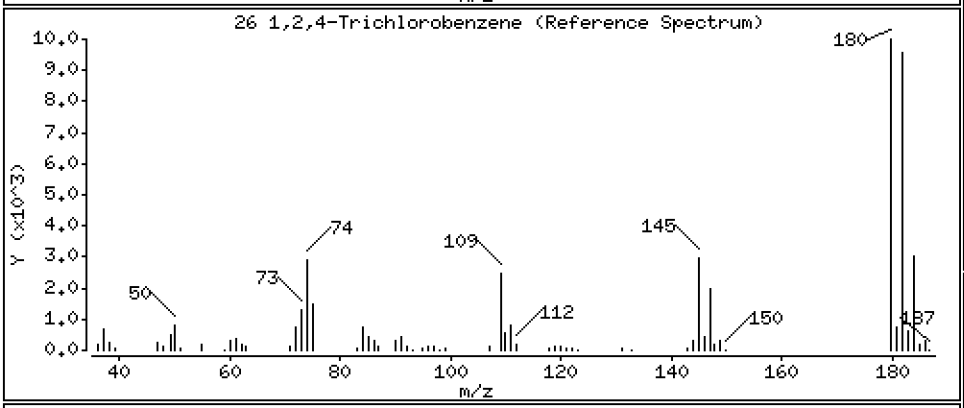
Column diameter: 0.25

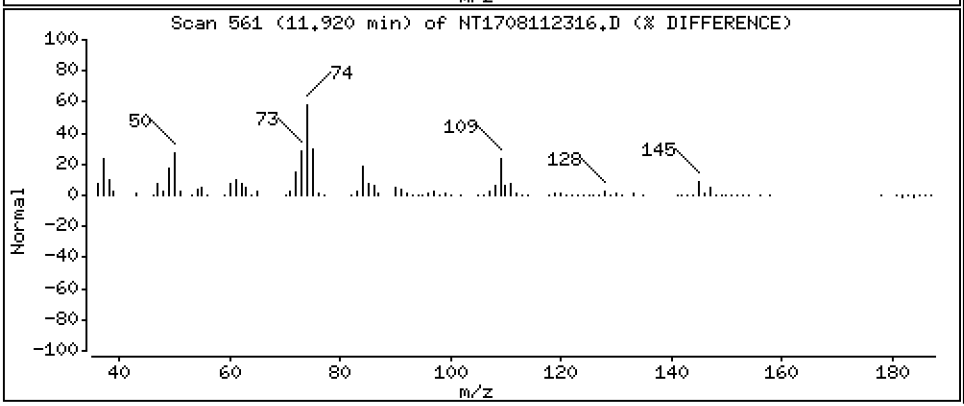
26 1,2,4-Trichlorobenzene

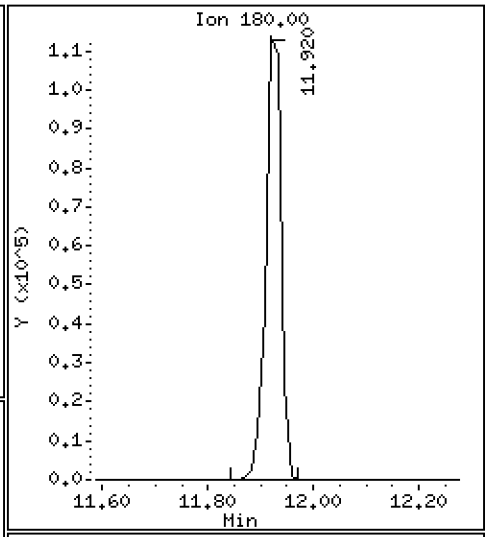
Concentration: 3.336 ug/mL

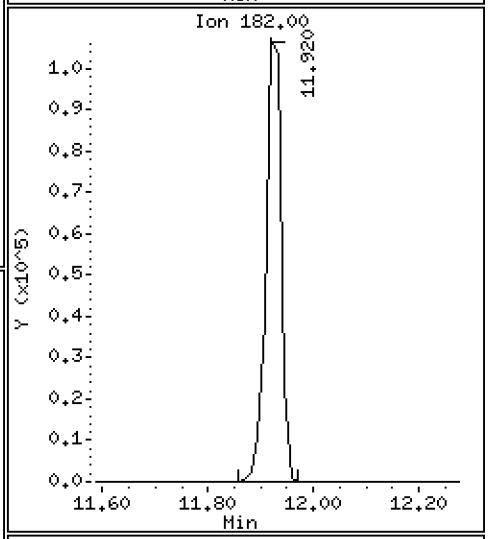


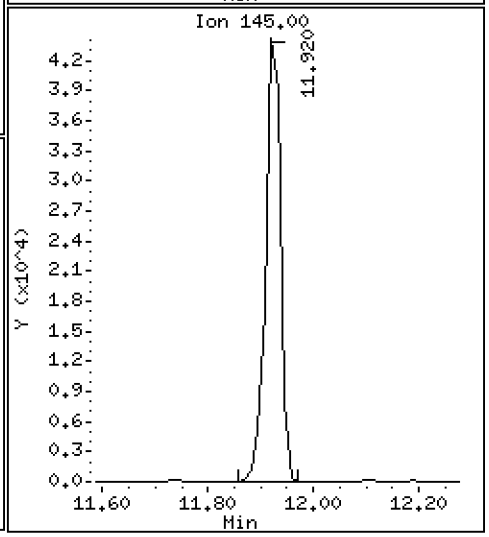












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

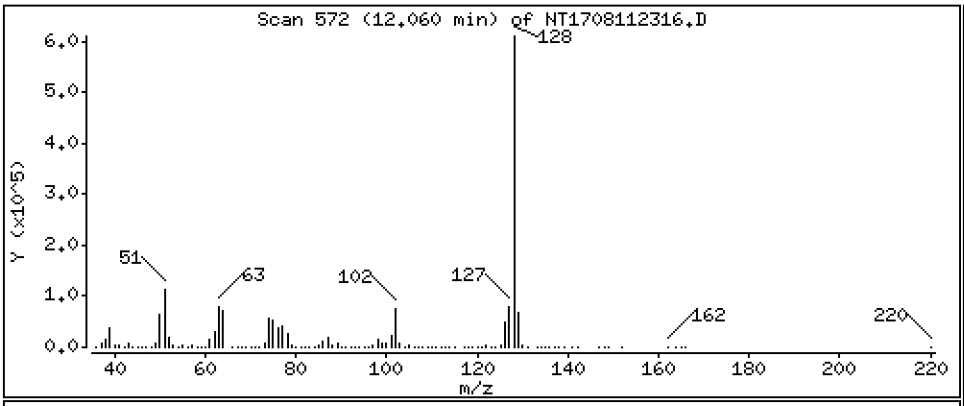
Operator: JGR

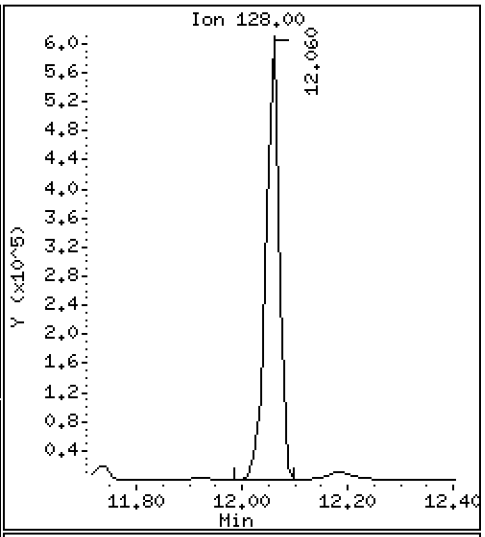
Column phase: ZB-5msi

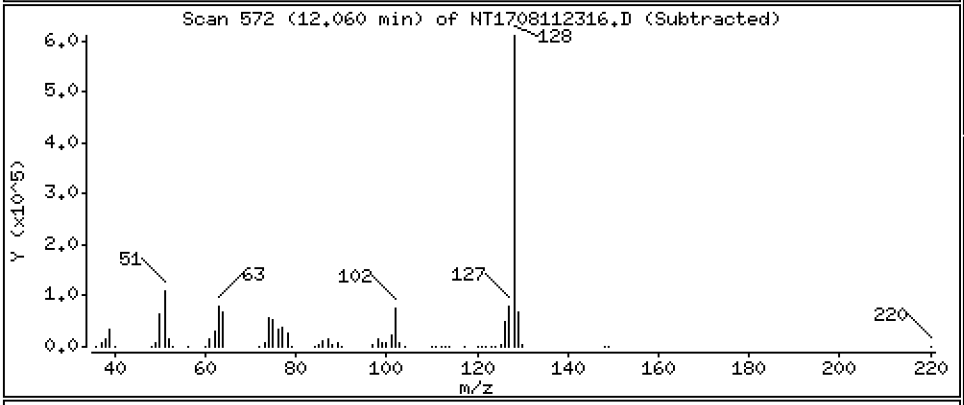
Column diameter: 0.25

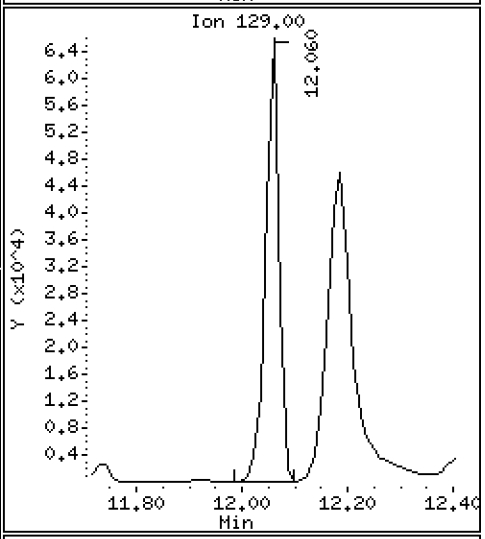
28 Naphthalene

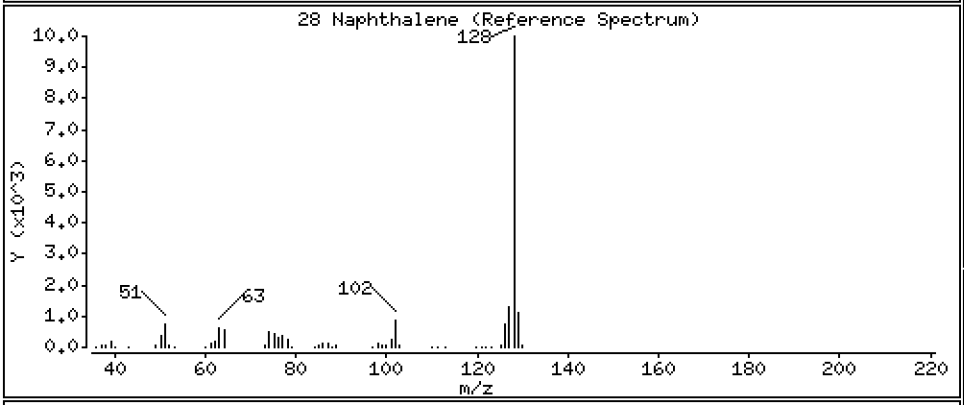
Concentration: 3.829 ug/mL

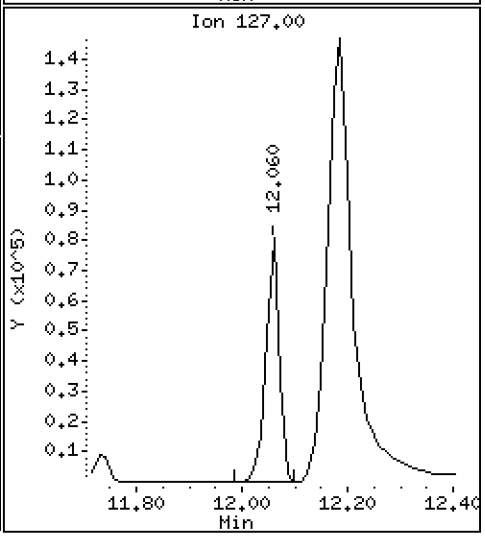


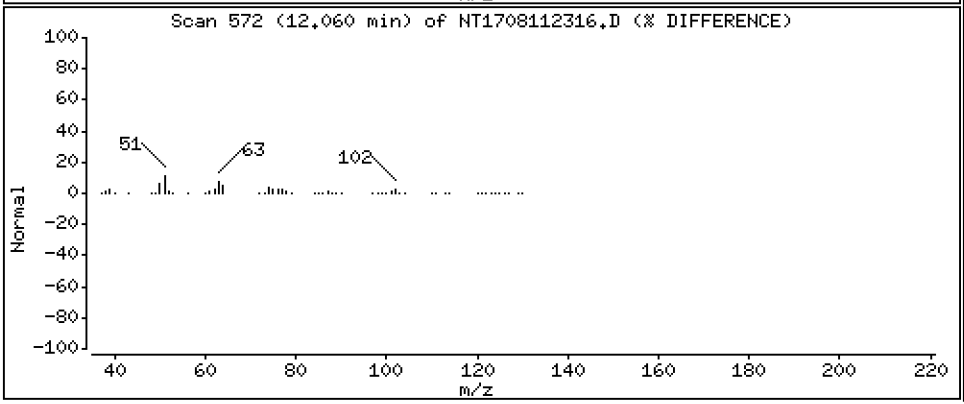












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

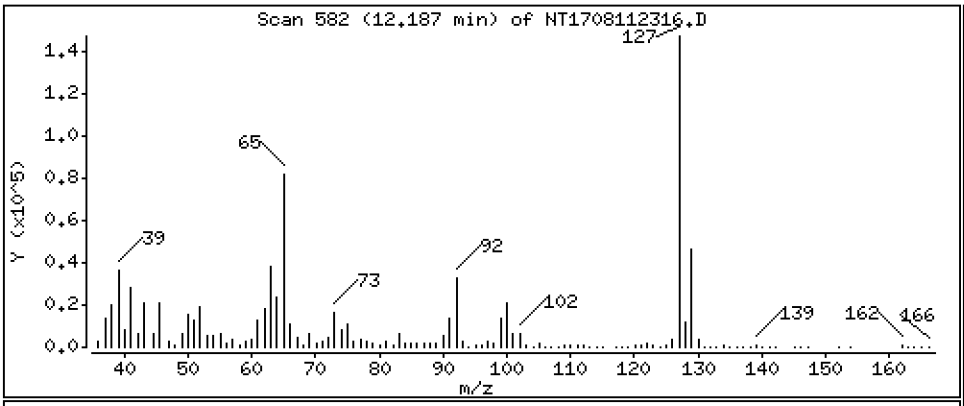
Operator: JGR

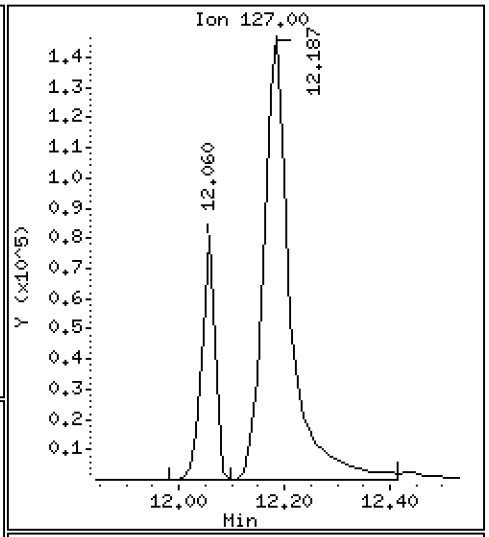
Column phase: ZB-5msi

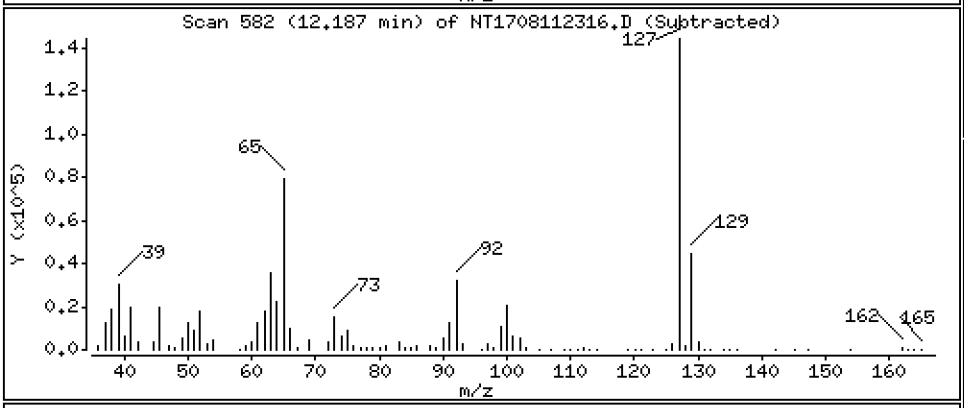
Column diameter: 0.25

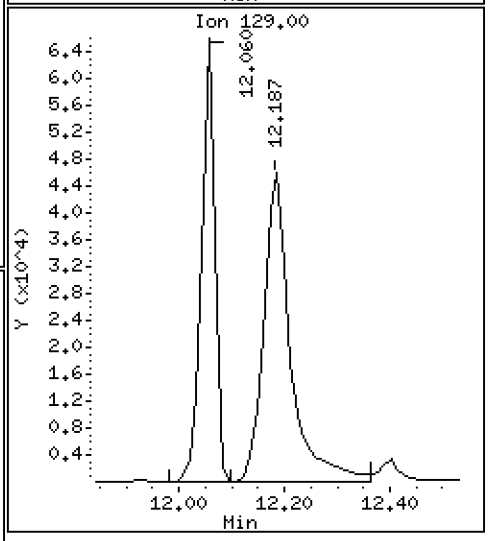
29 4-Chloroaniline

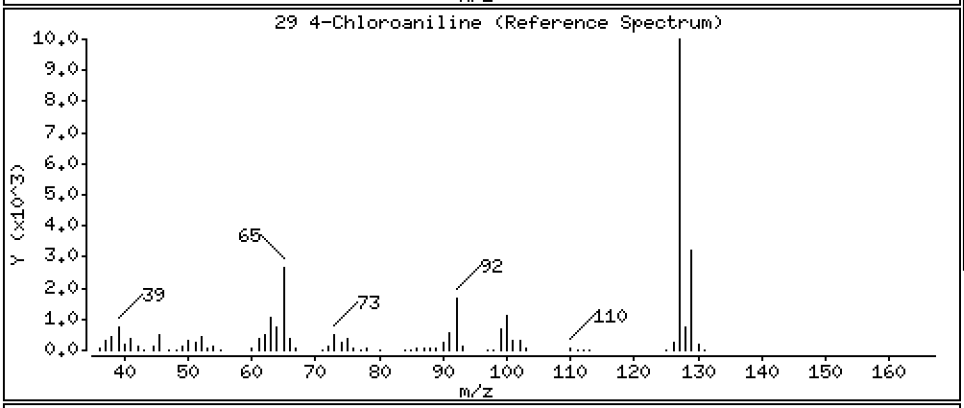
Concentration: 4.334 ug/mL

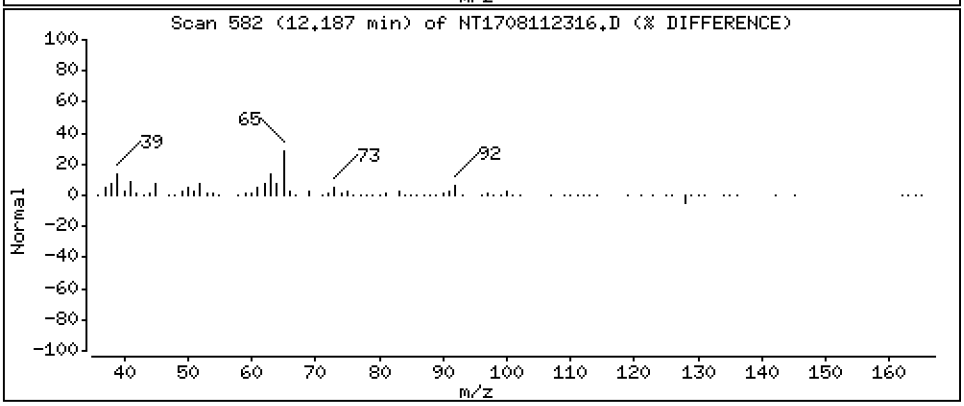












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

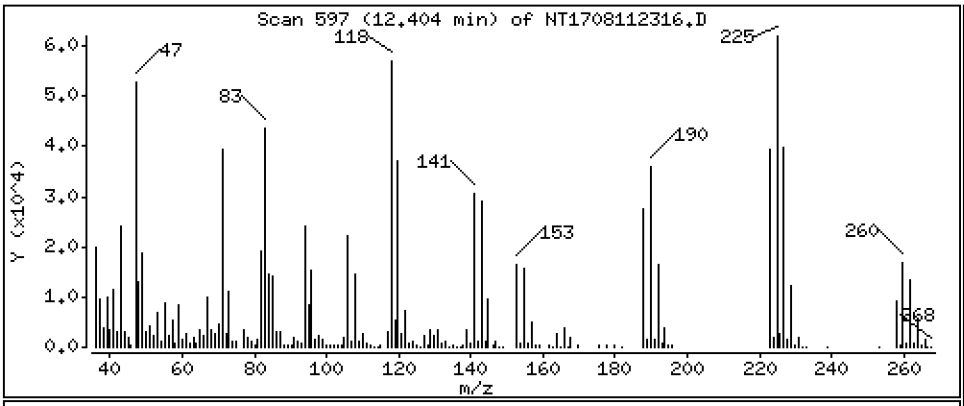
Operator: JGR

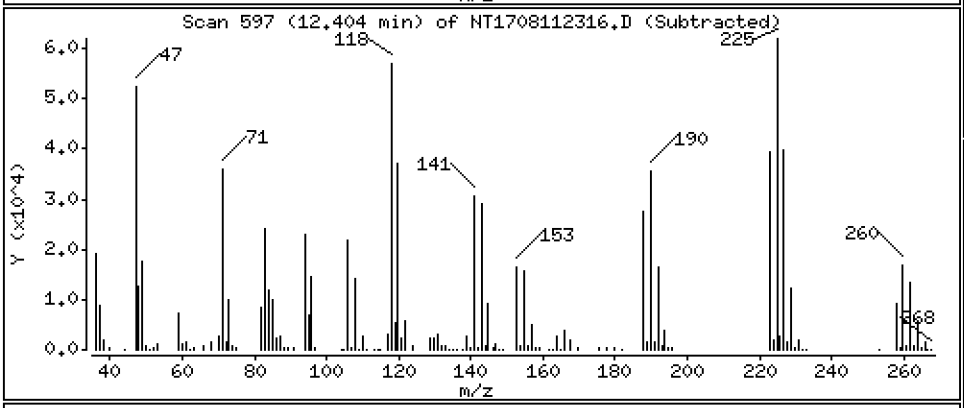
Column phase: ZB-5msi

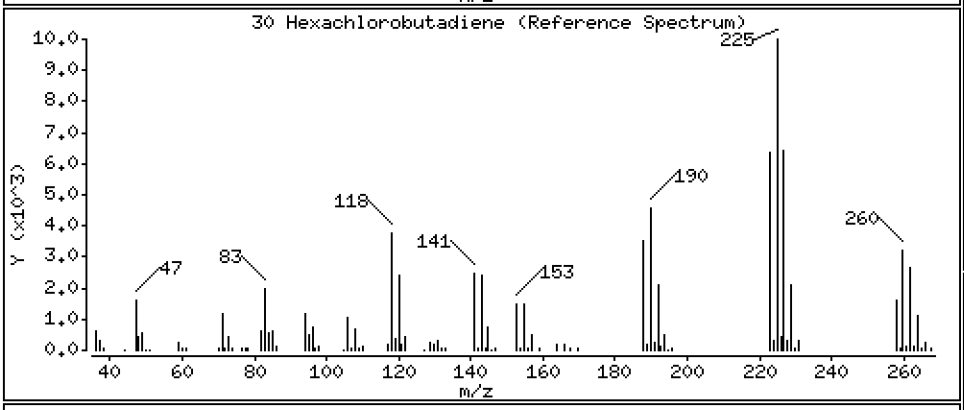
Column diameter: 0.25

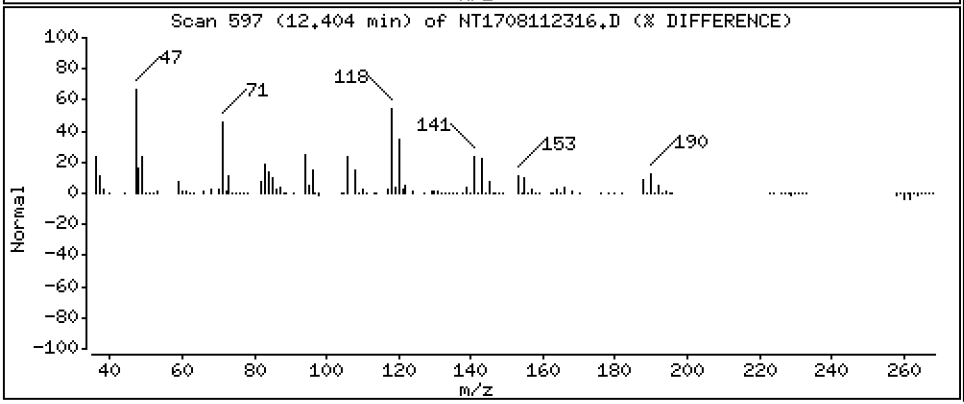
30 Hexachlorobutadiene

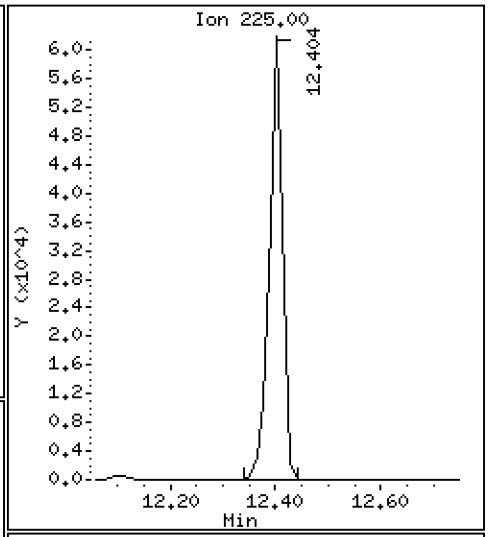
Concentration: 3.357 ug/mL

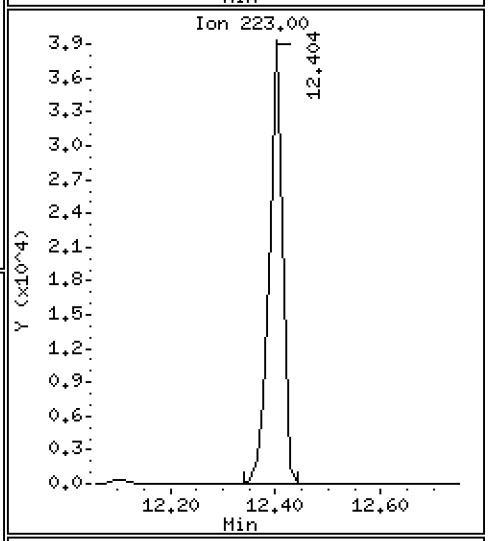


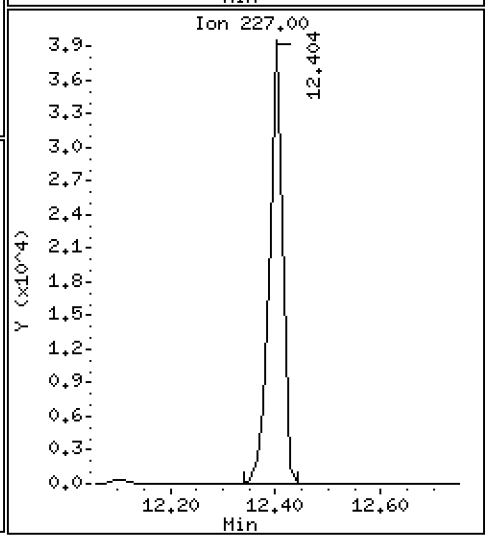












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

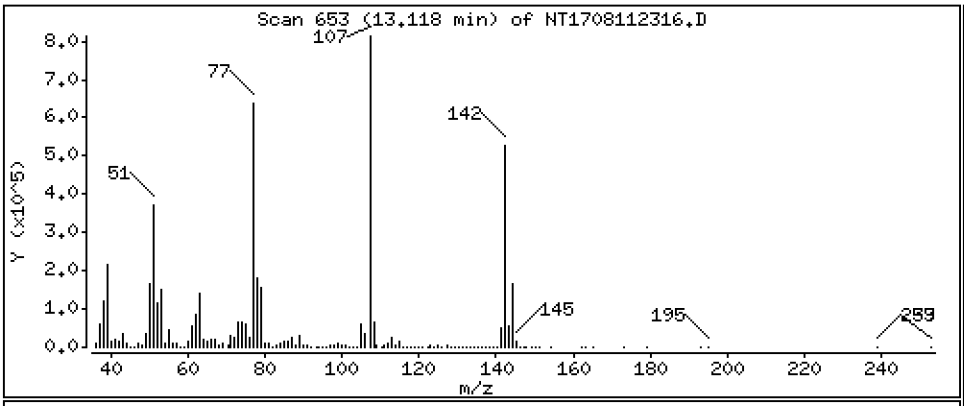
Operator: JGR

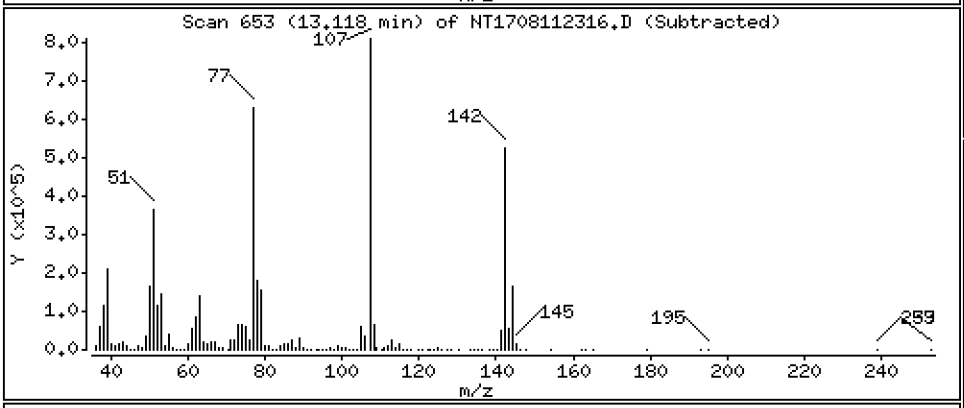
Column phase: ZB-5msi

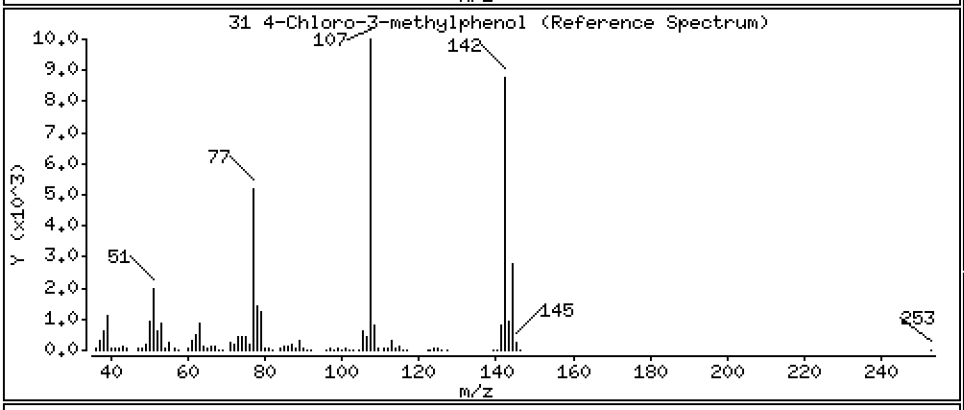
Column diameter: 0.25

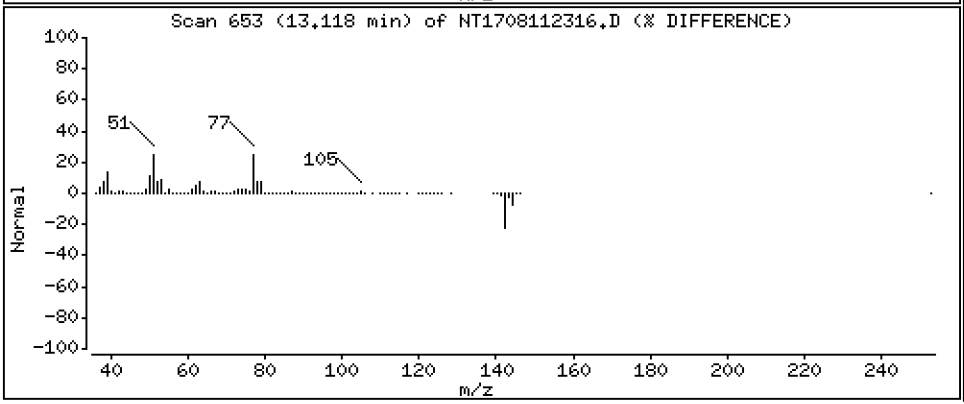
31 4-Chloro-3-methylphenol

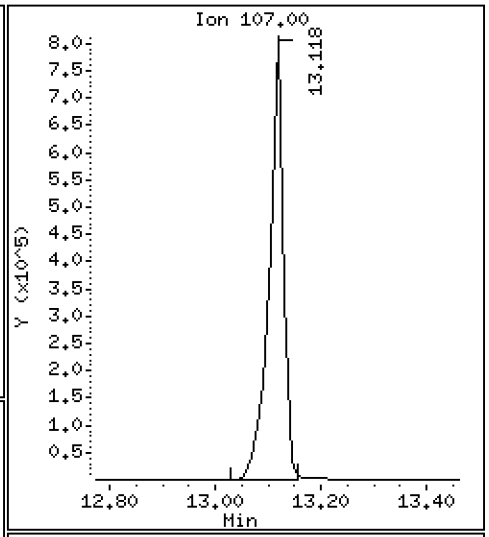
Concentration: 12.77 ug/mL

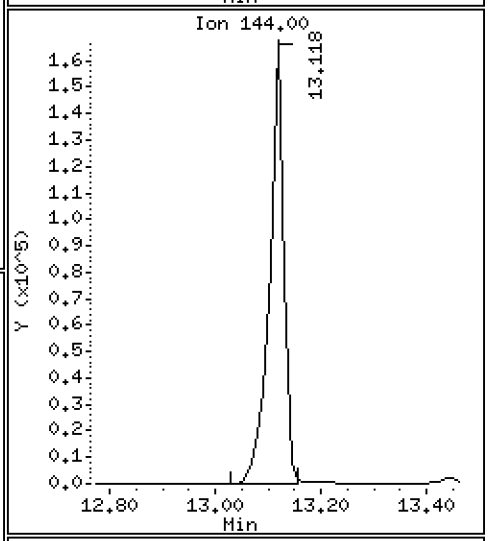


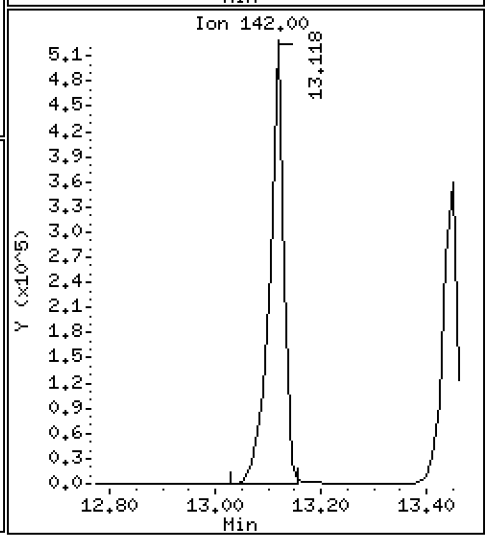












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

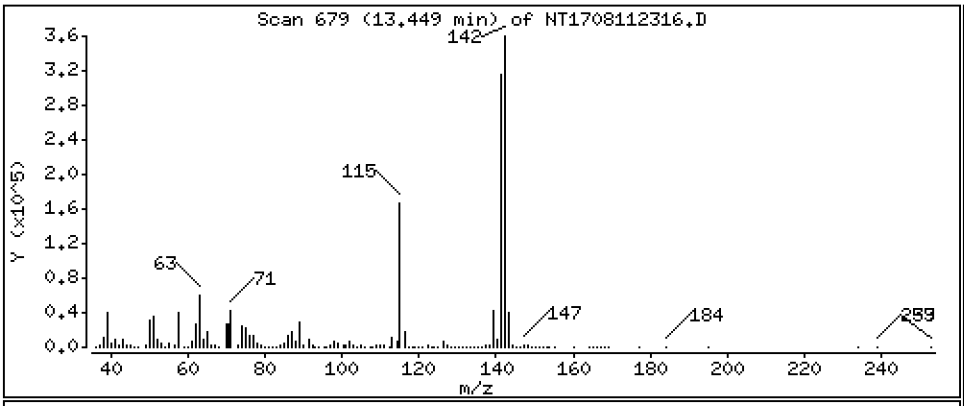
Operator: JGR

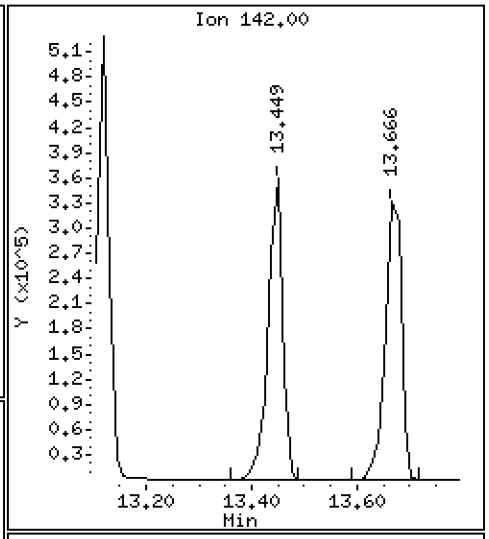
Column phase: ZB-5msi

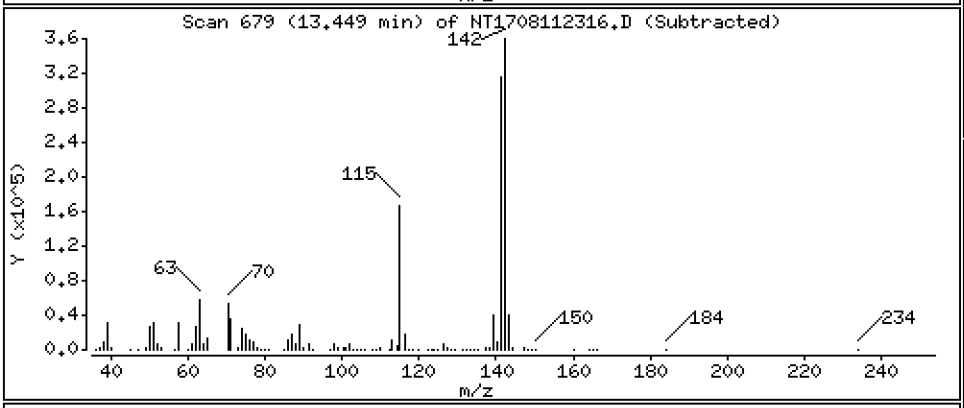
Column diameter: 0.25

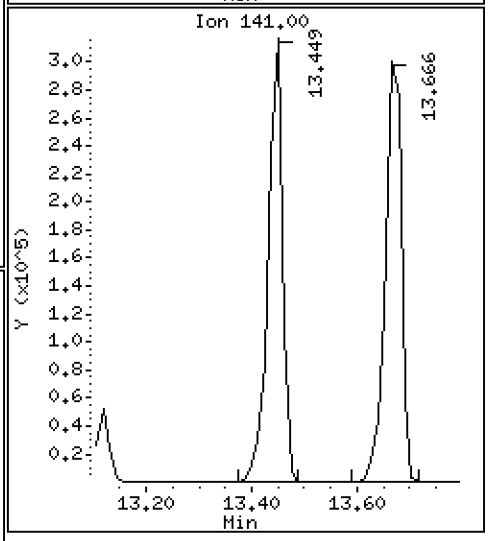
32 2-Methylnaphthalene

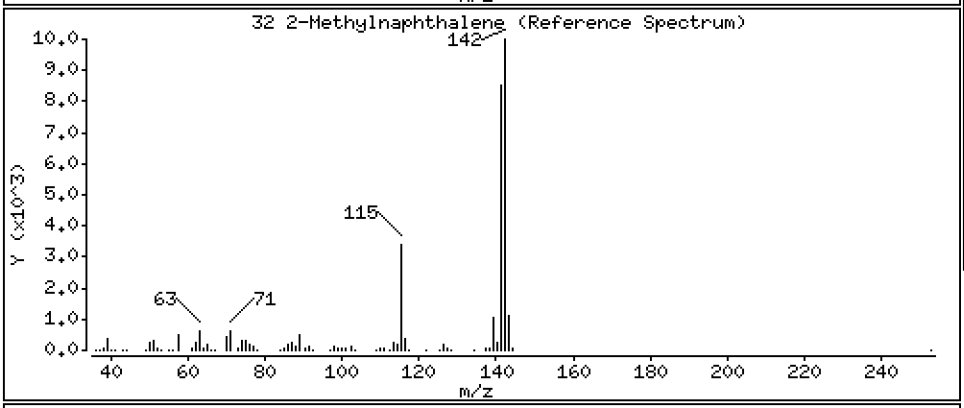
Concentration: 3.558 ug/mL

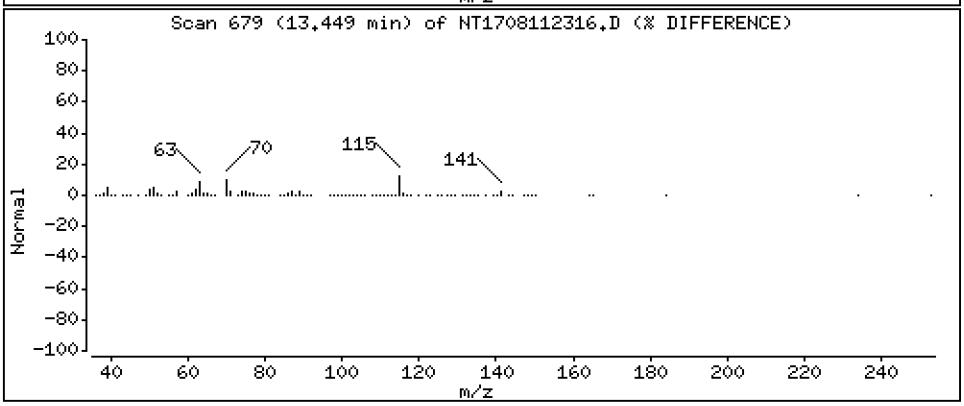












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

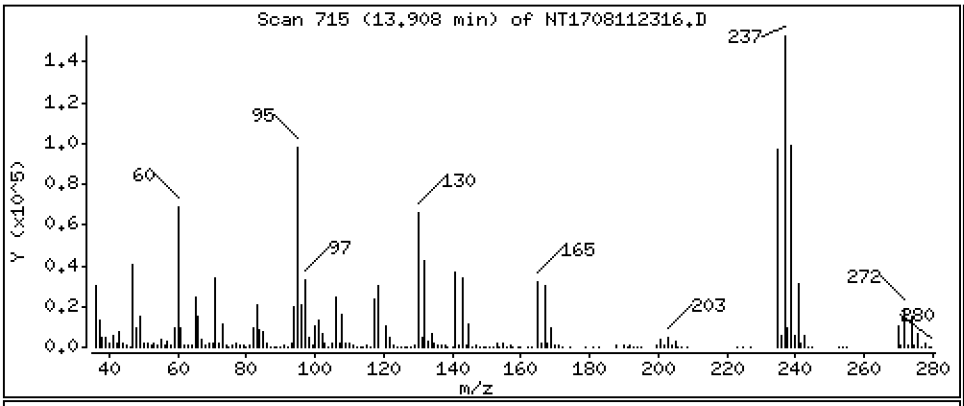
Operator: JGR

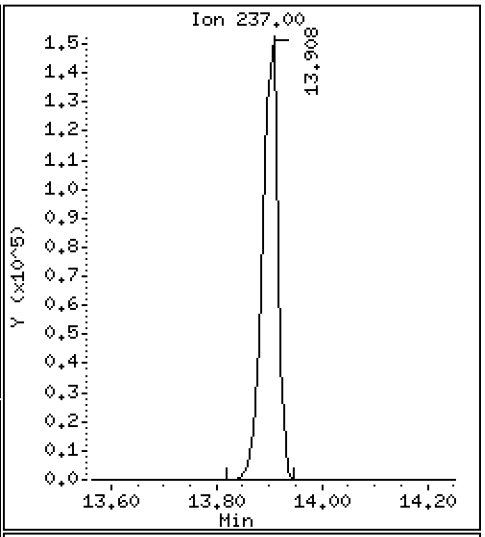
Column phase: ZB-5msi

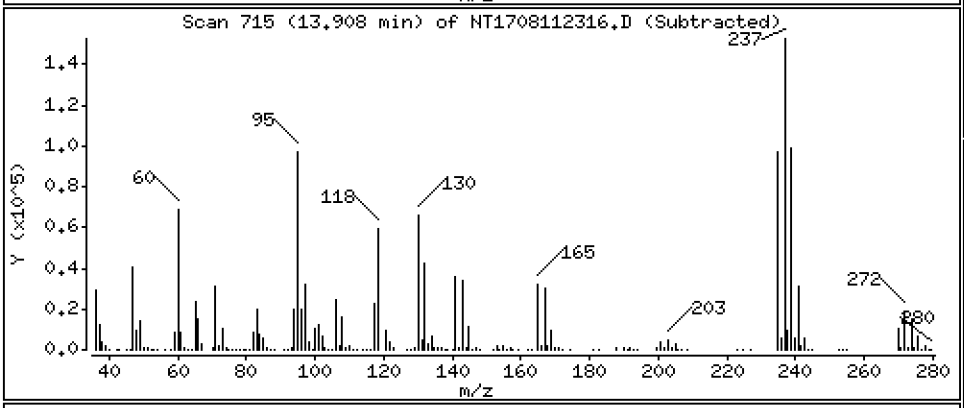
Column diameter: 0.25

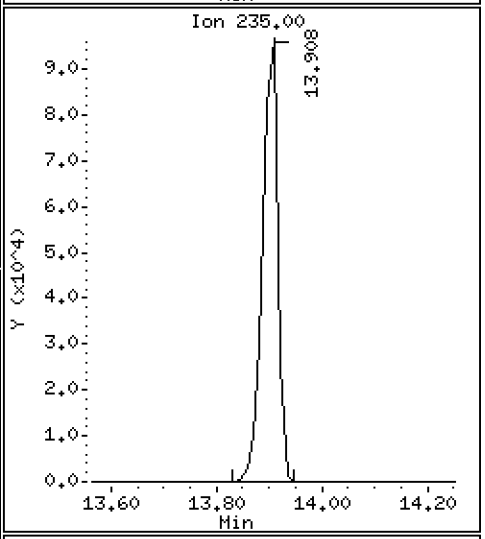
33 Hexachlorocyclopentadiene

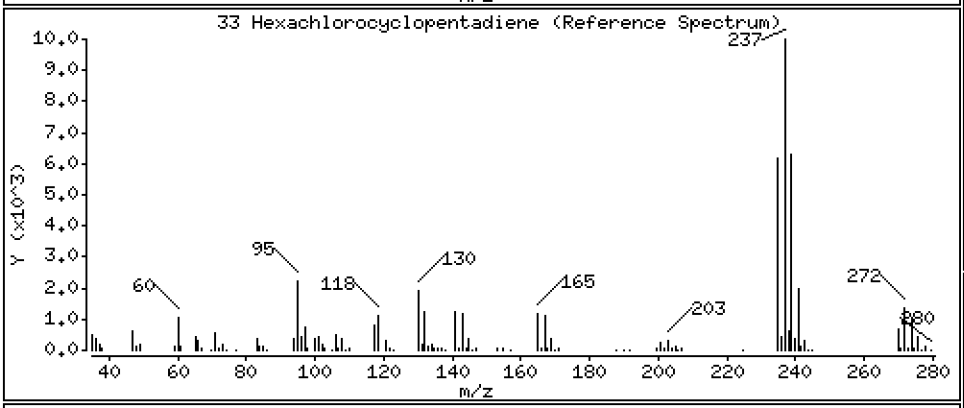
Concentration: 6.853 ug/mL

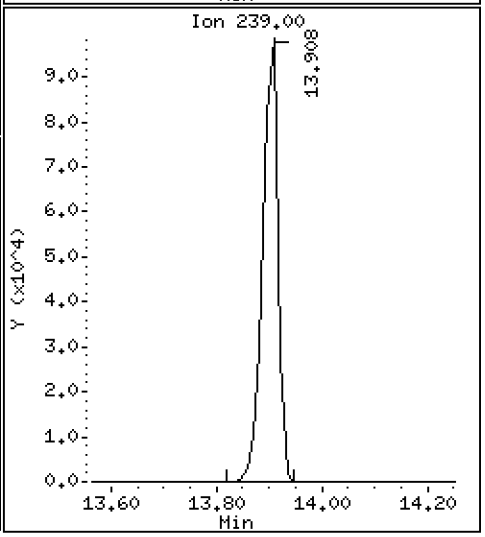


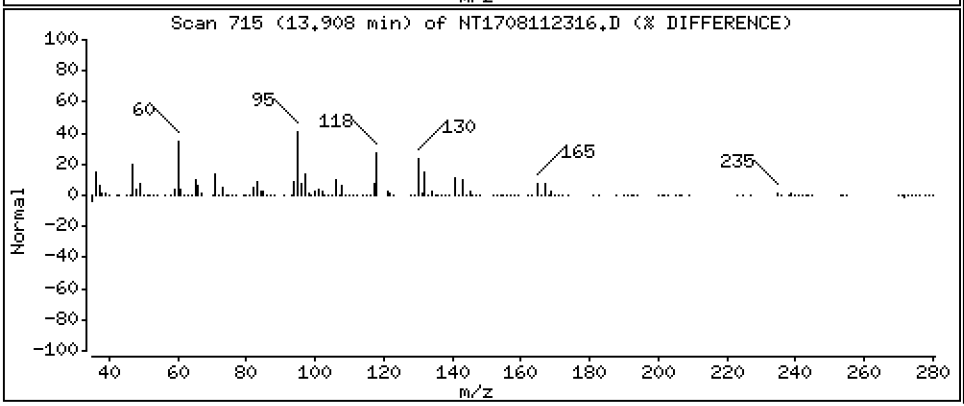












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

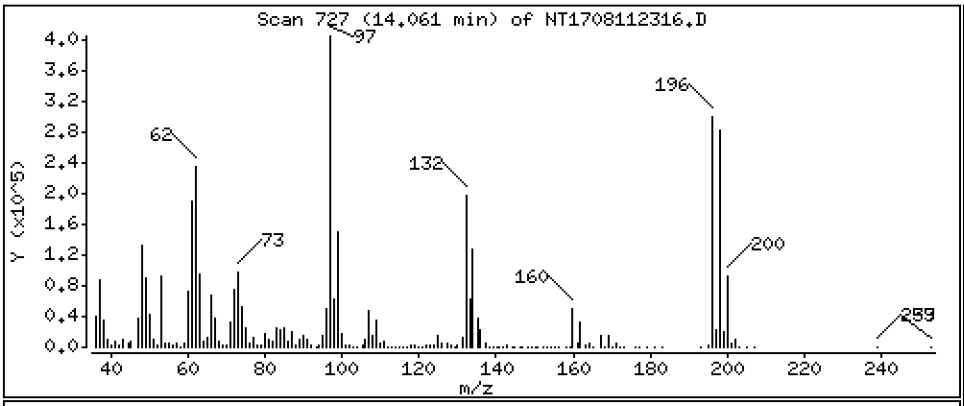
Operator: JGR

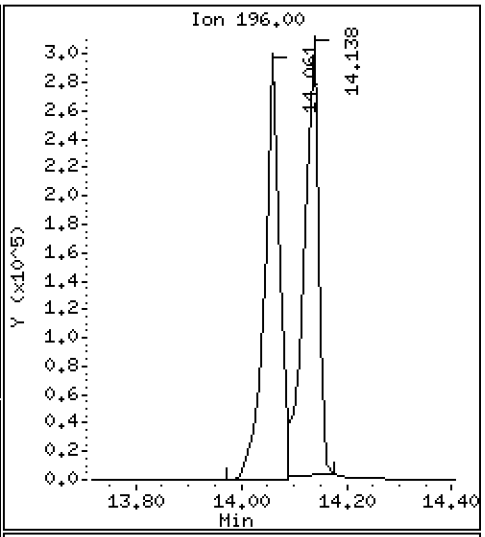
Column phase: ZB-5msi

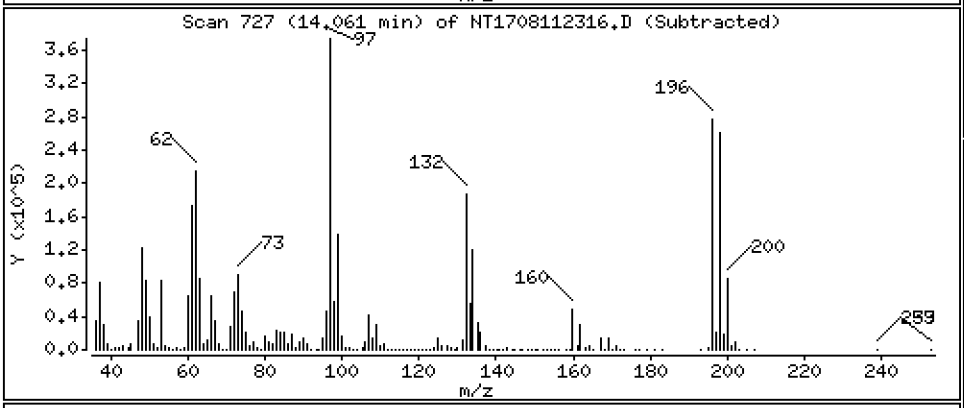
Column diameter: 0.25

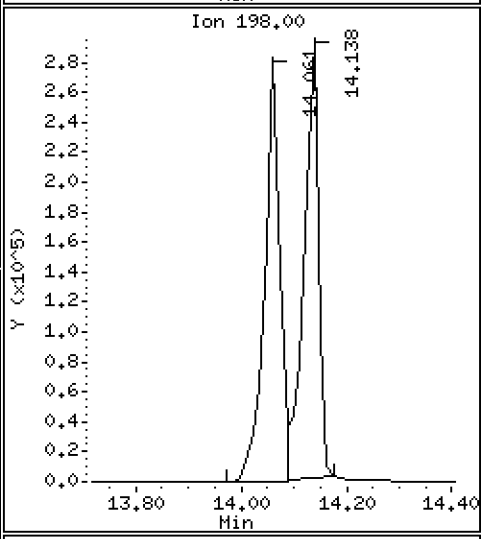
34 2,4,6-Trichlorophenol

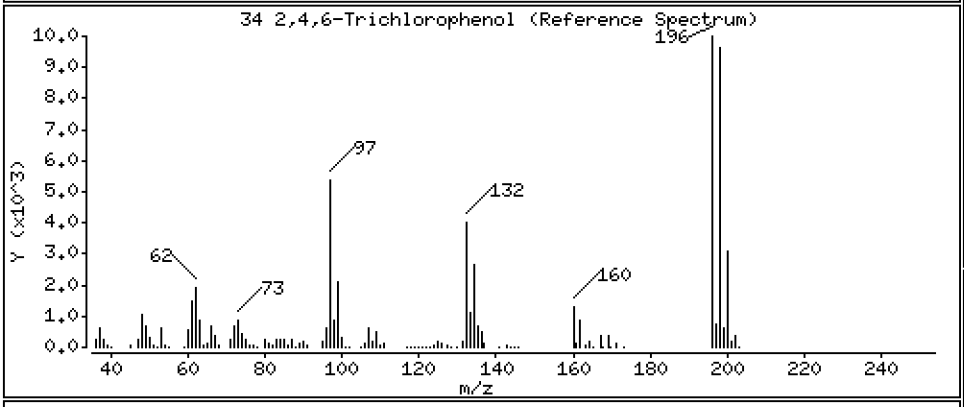
Concentration: 12.08 ug/mL

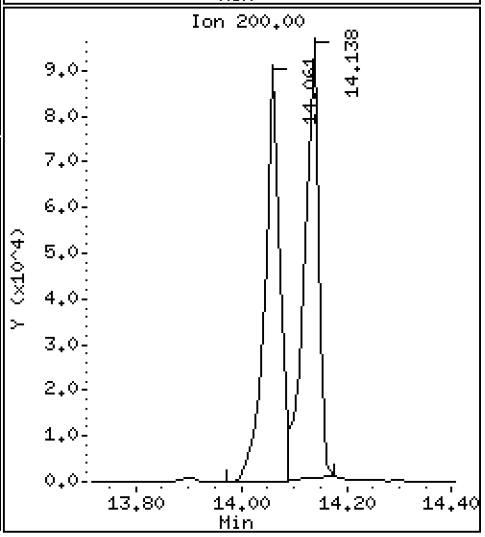


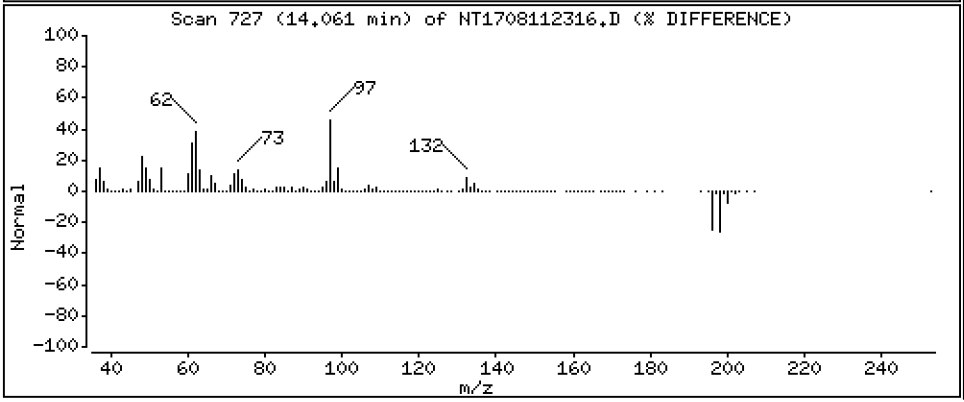












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

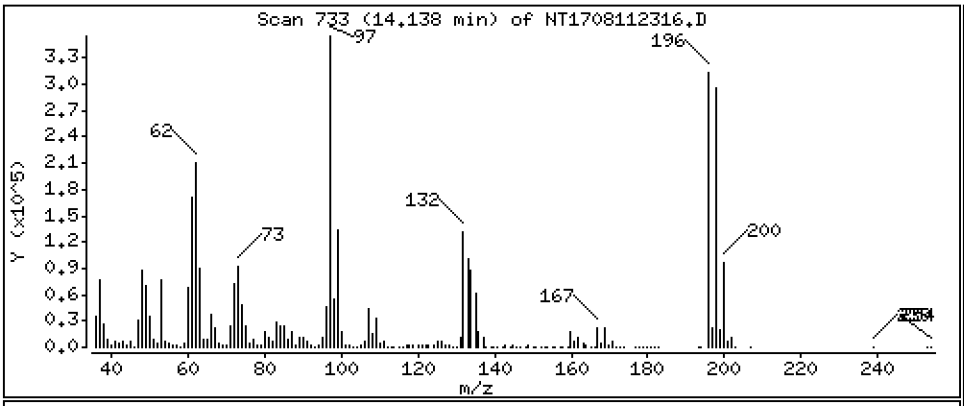
Operator: JGR

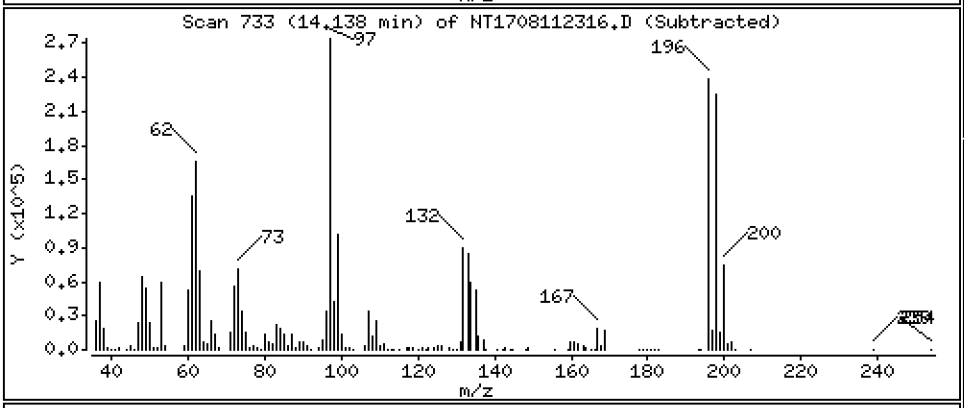
Column phase: ZB-5msi

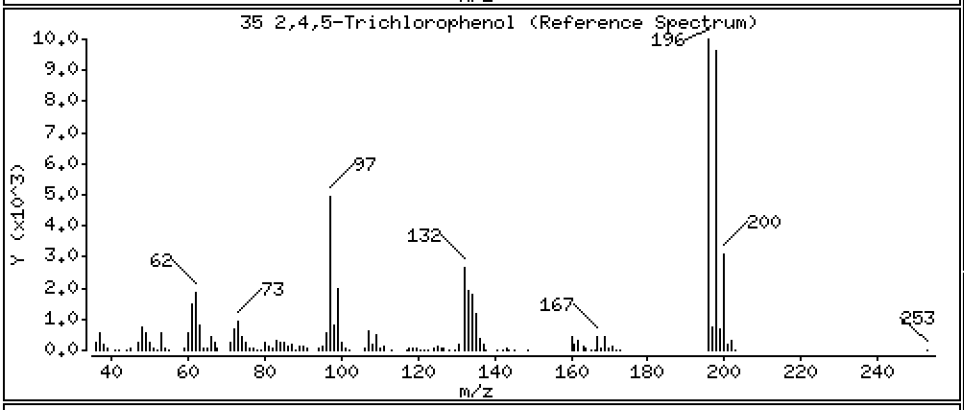
Column diameter: 0.25

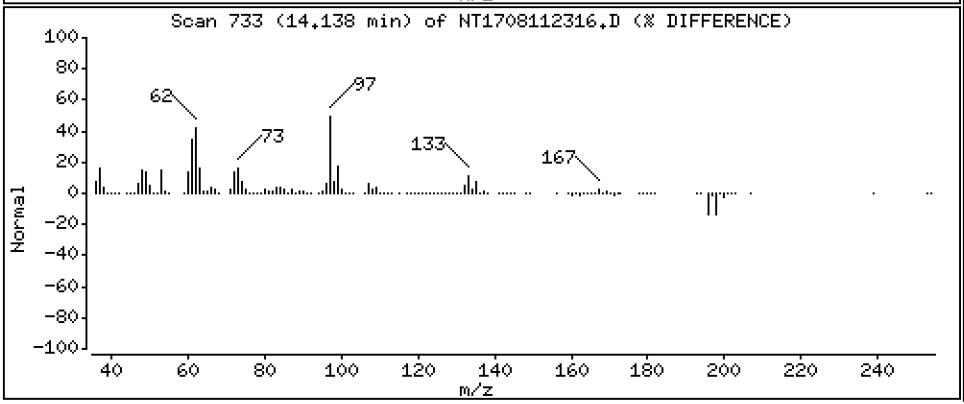
35 2,4,5-Trichlorophenol

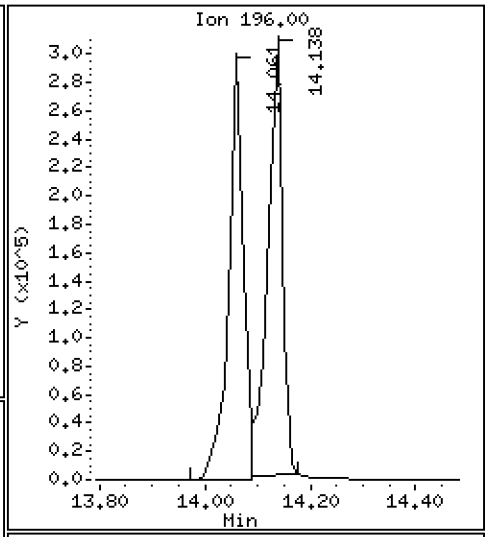
Concentration: 13.61 ug/mL

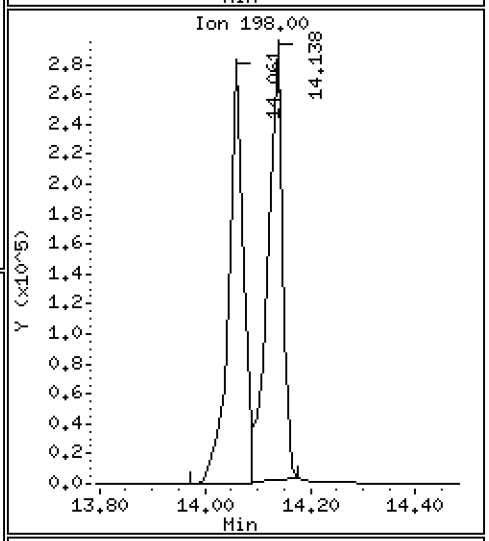


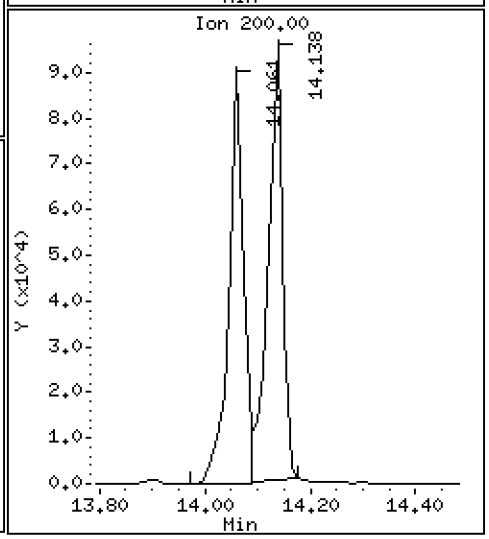












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

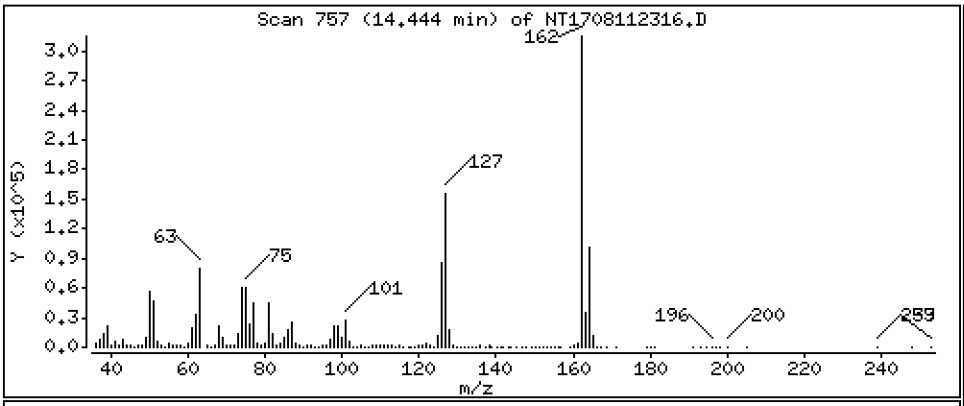
Operator: JGR

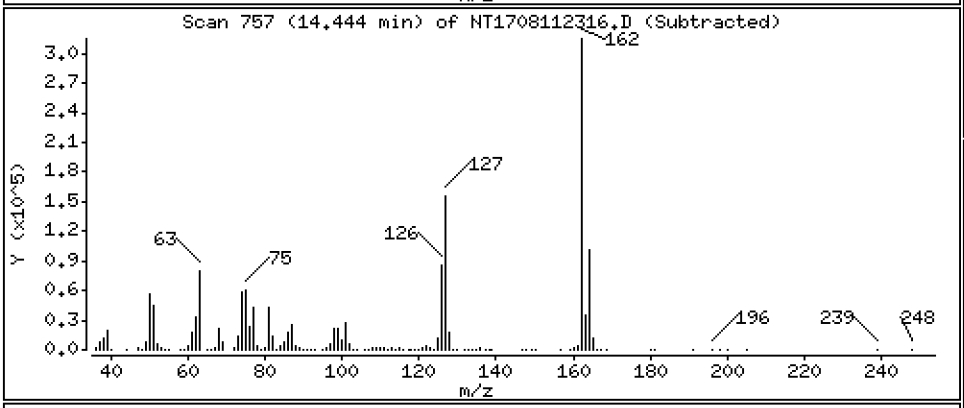
Column phase: ZB-5msi

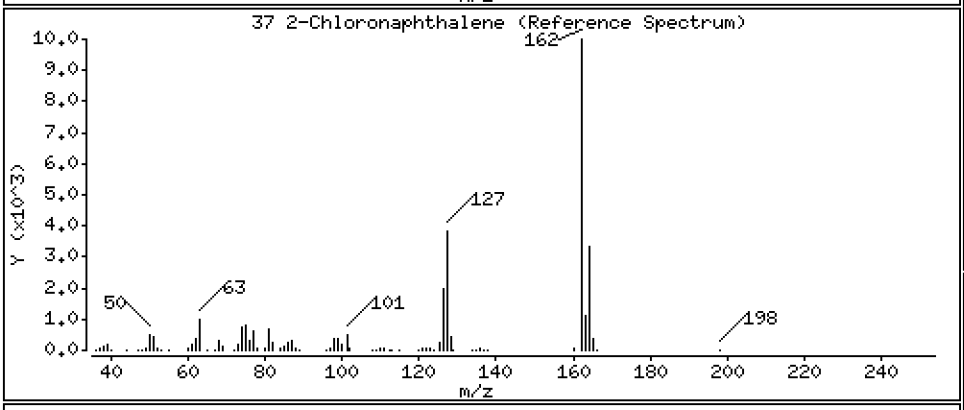
Column diameter: 0.25

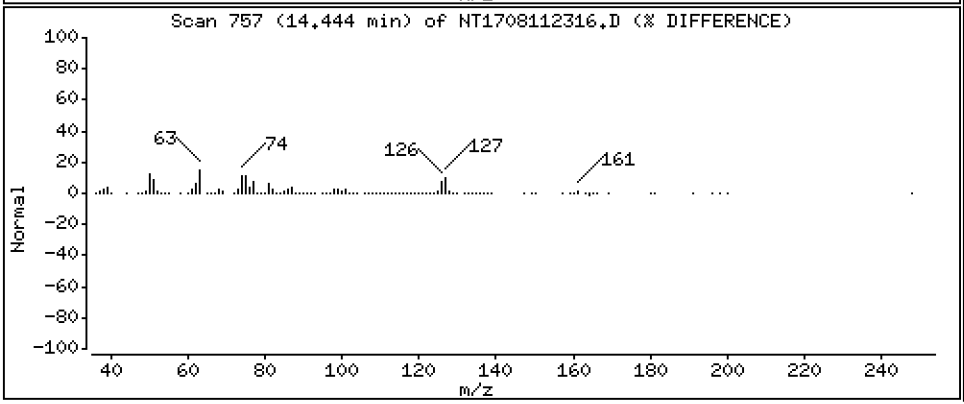
37 2-Chloronaphthalene

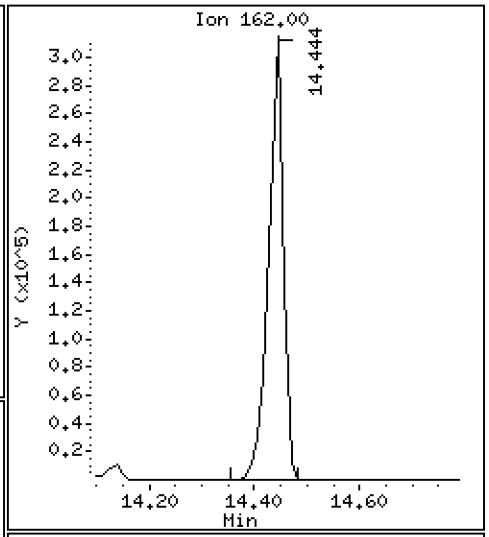
Concentration: 3.845 ug/mL

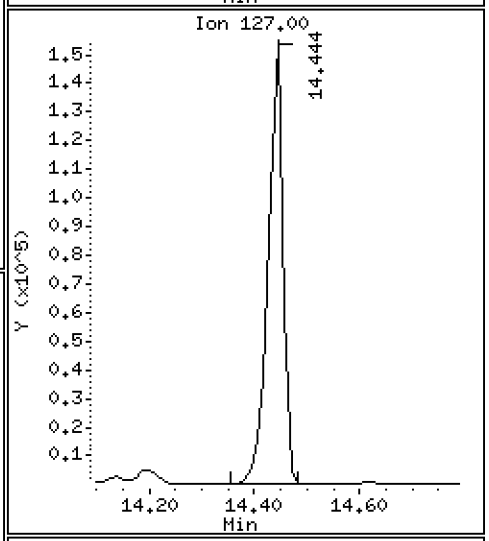


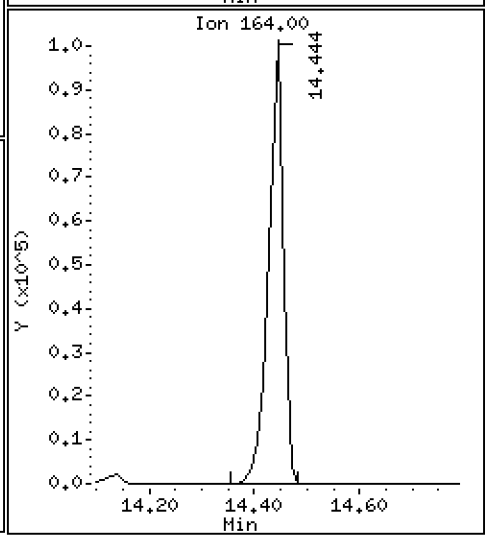












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

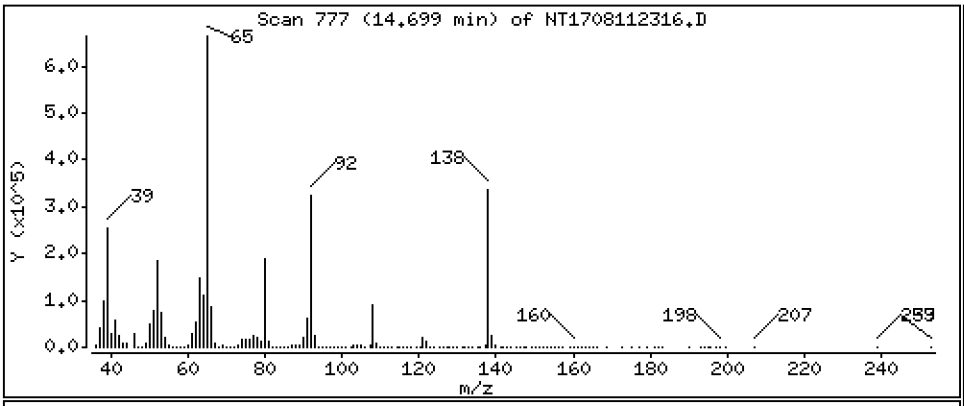
Operator: JGR

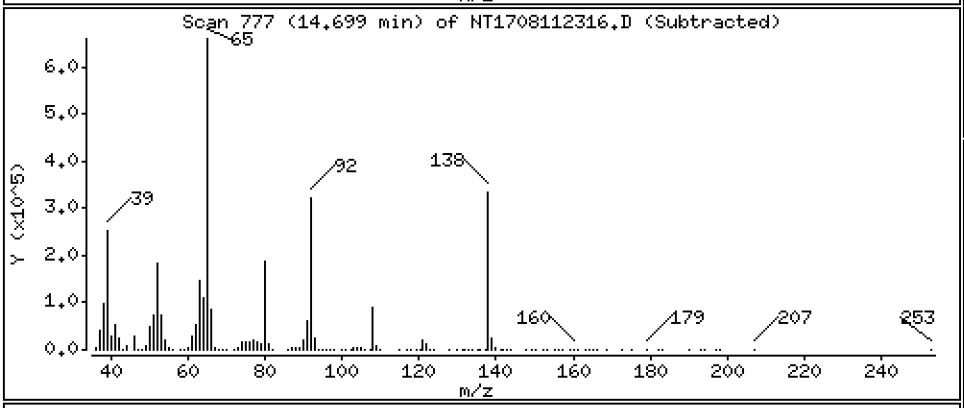
Column phase: ZB-5msi

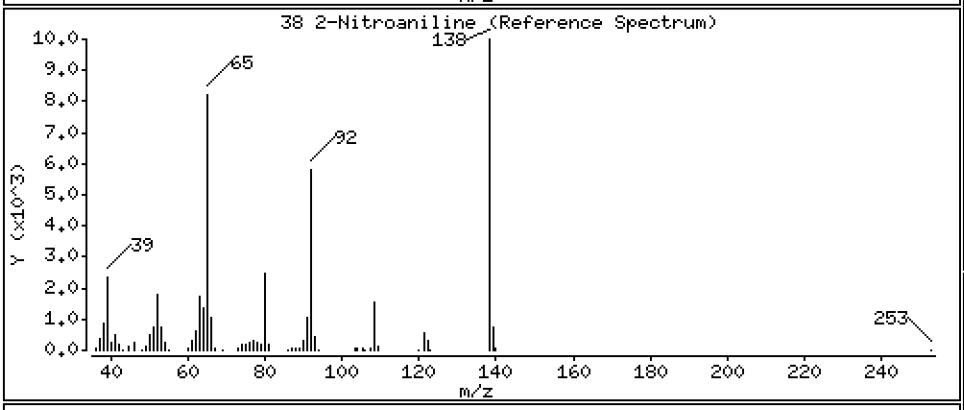
Column diameter: 0.25

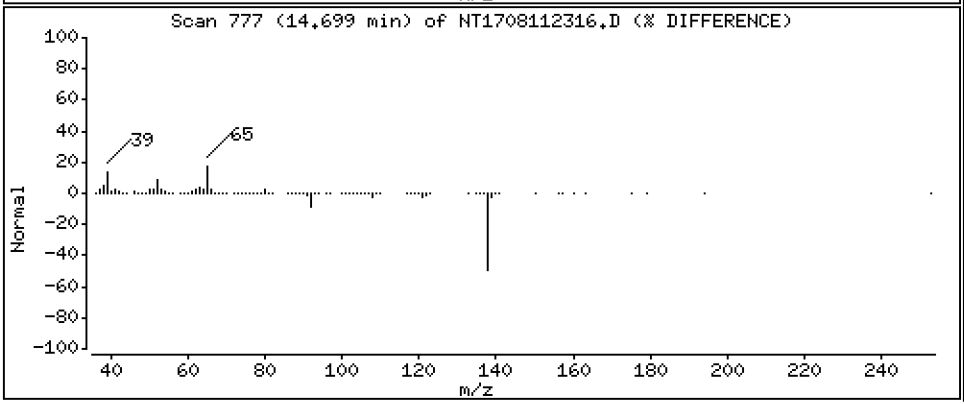
38 2-Nitroaniline

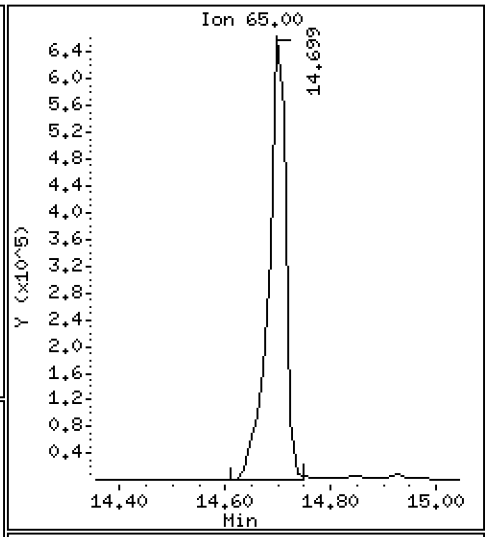
Concentration: 12.13 ug/mL

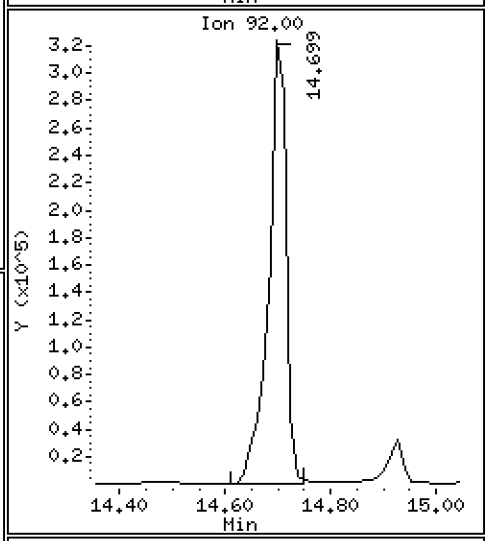


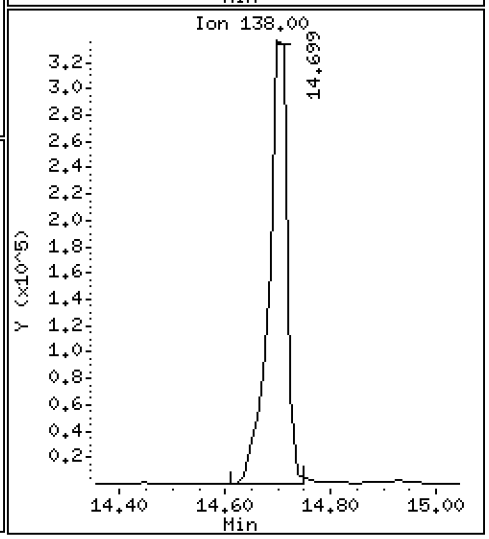












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

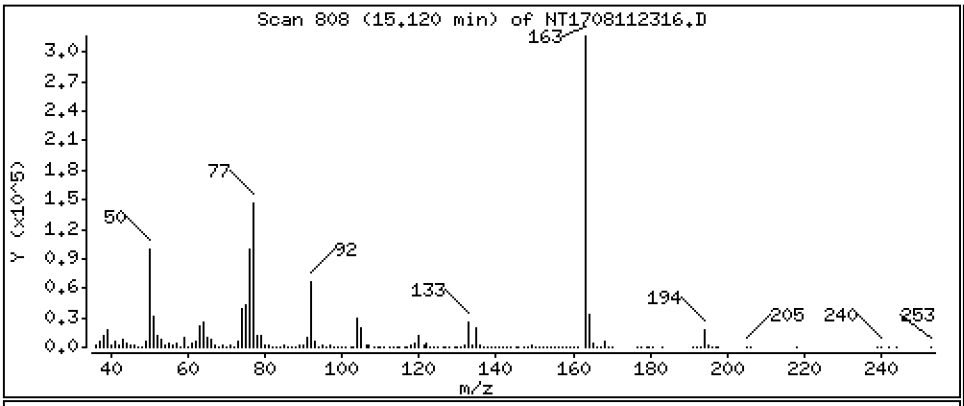
Operator: JGR

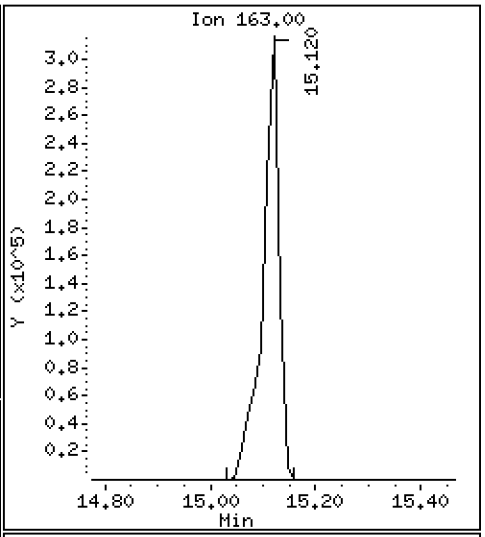
Column phase: ZB-5msi

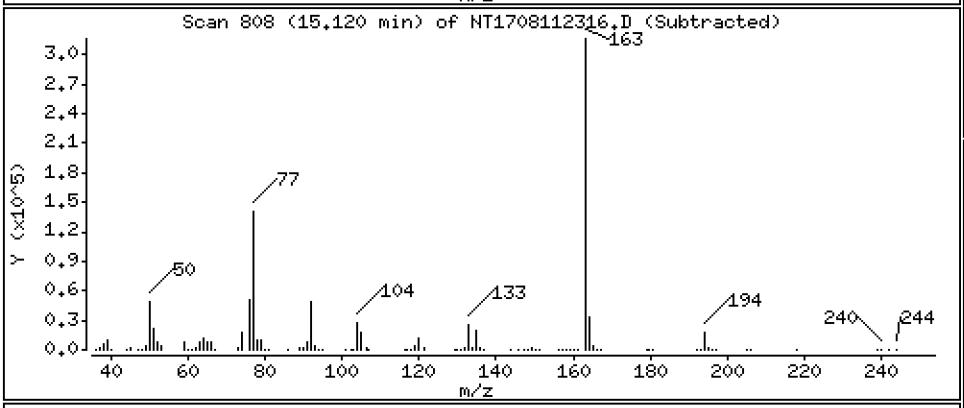
Column diameter: 0.25

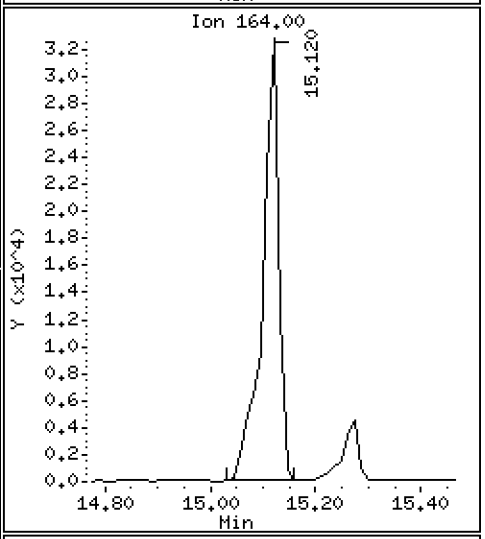
39 Dimethylphthalate

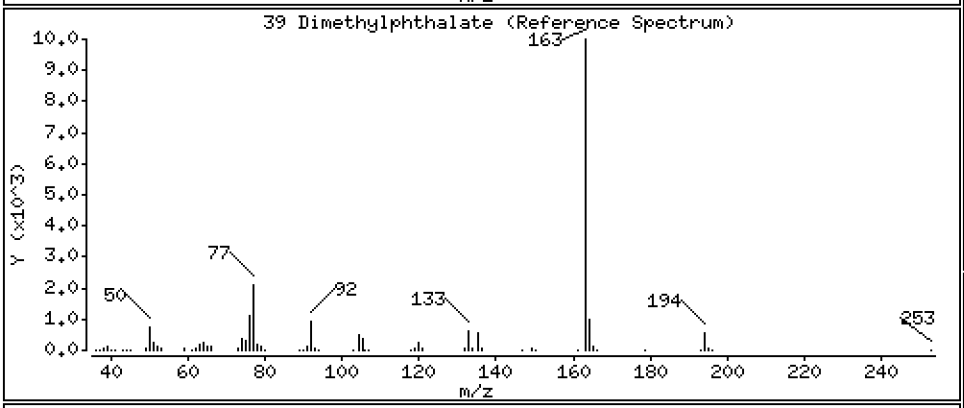
Concentration: 4.221 ug/mL

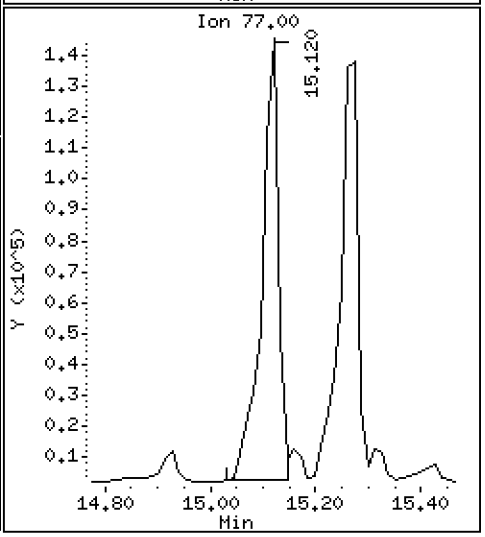


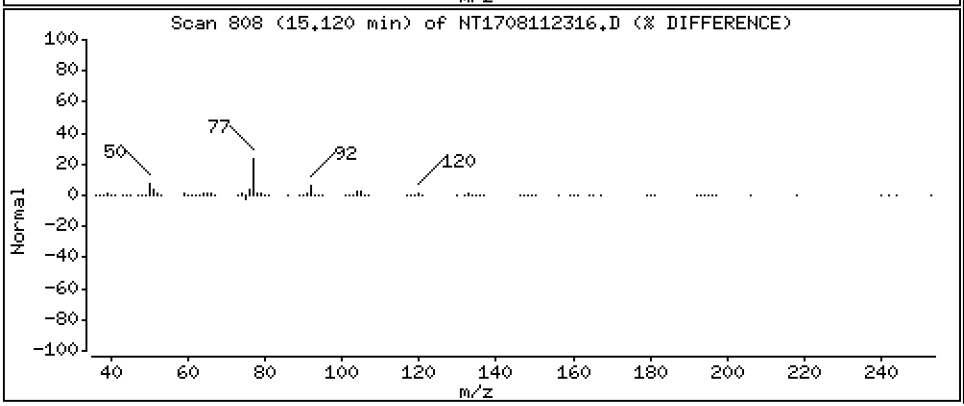












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

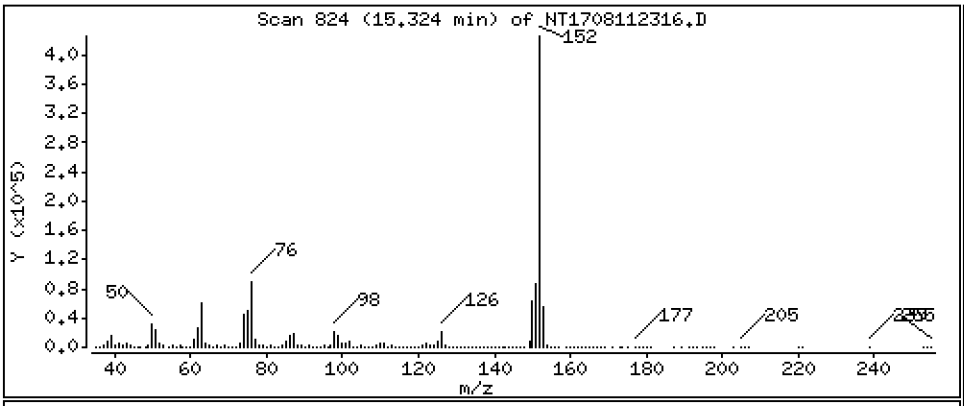
Operator: JGR

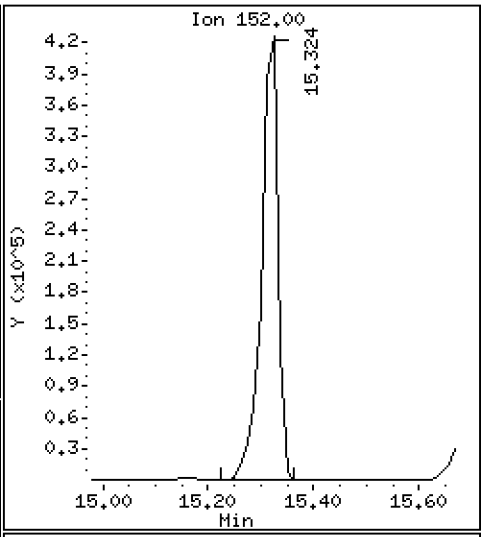
Column phase: ZB-5msi

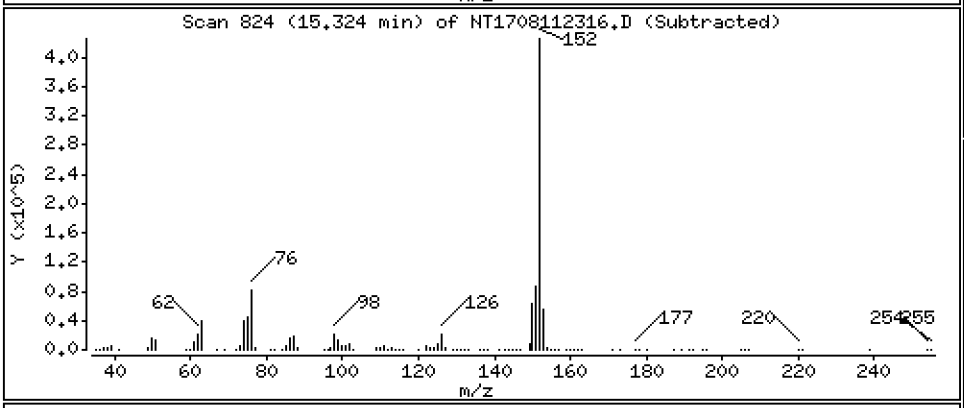
Column diameter: 0.25

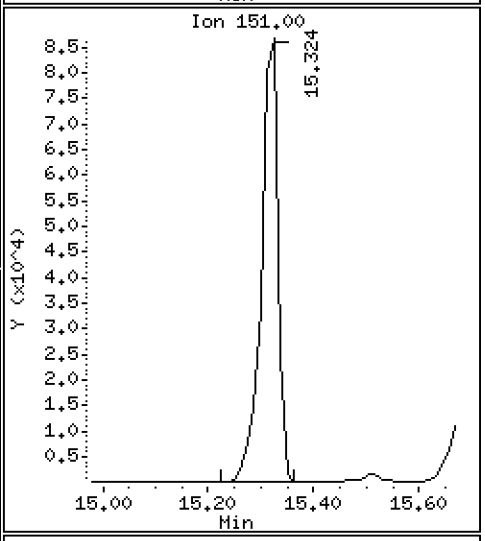
40 Acenaphthylene

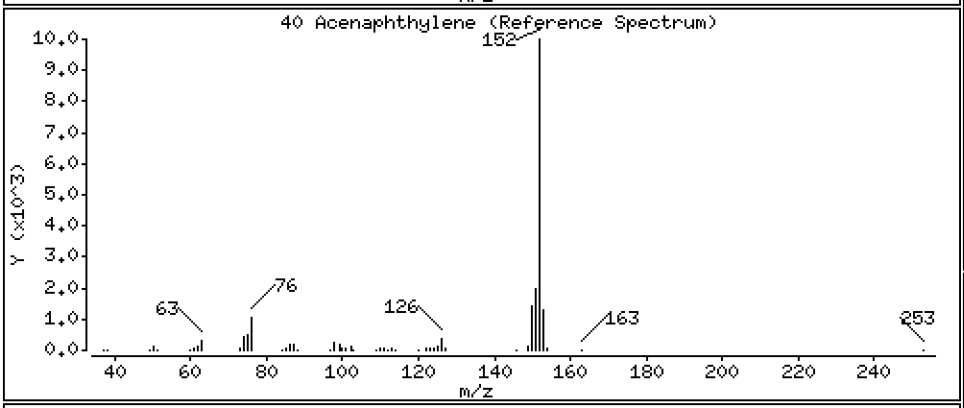
Concentration: 3.944 ug/mL

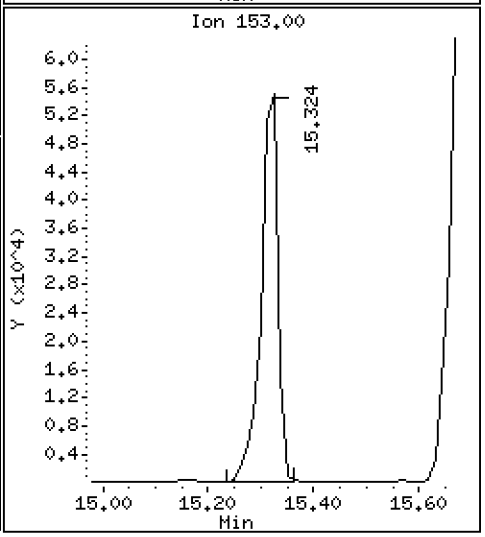


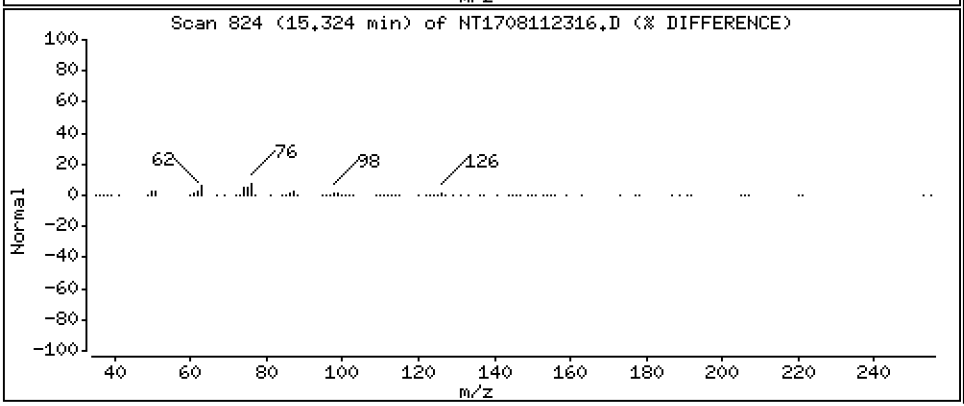












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

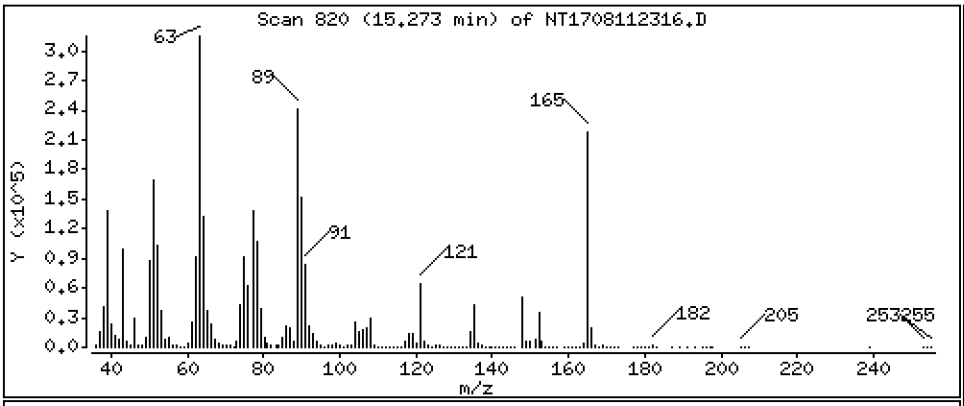
Operator: JGR

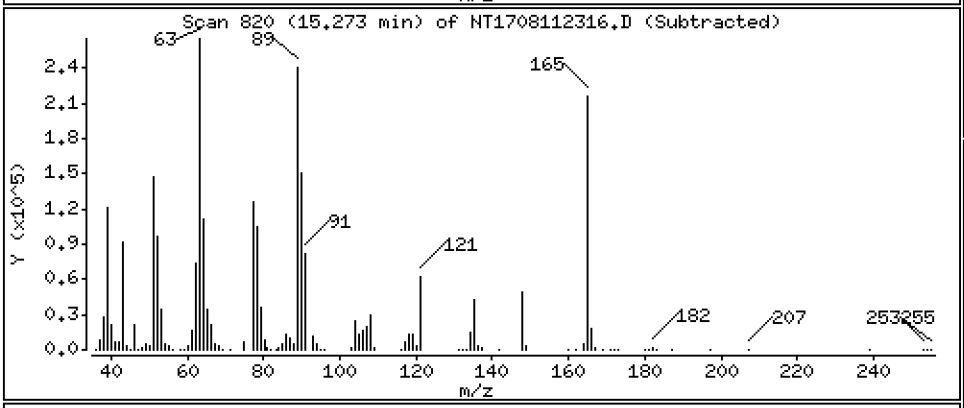
Column phase: ZB-5msi

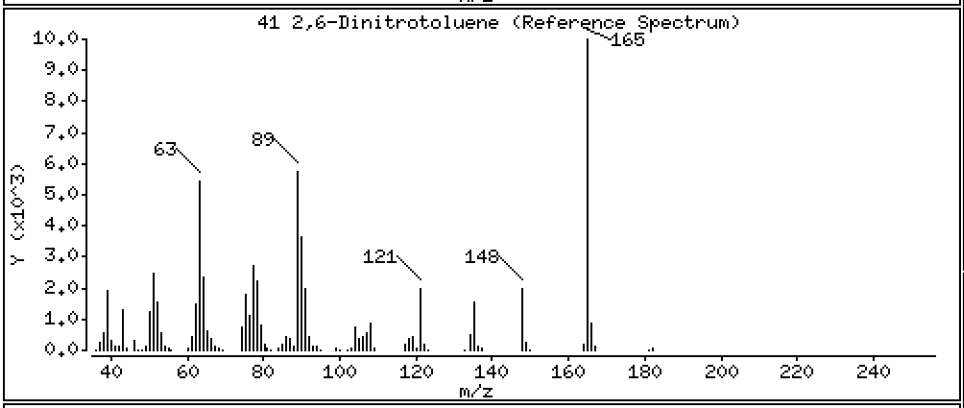
Column diameter: 0.25

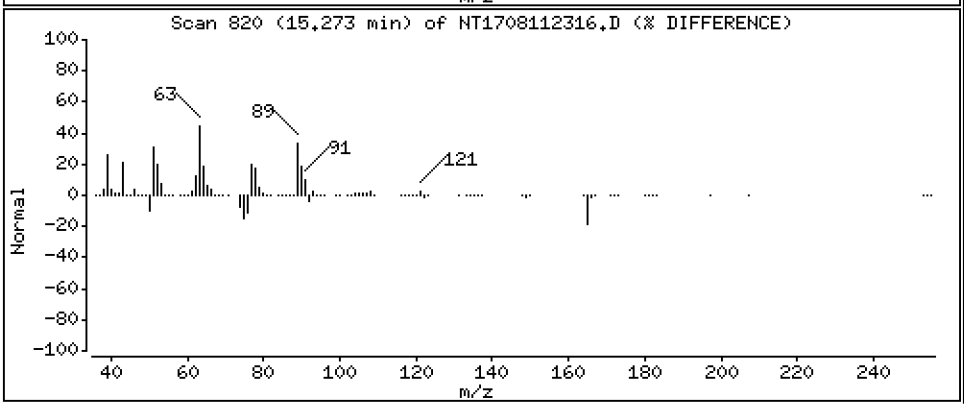
41 2,6-Dinitrotoluene

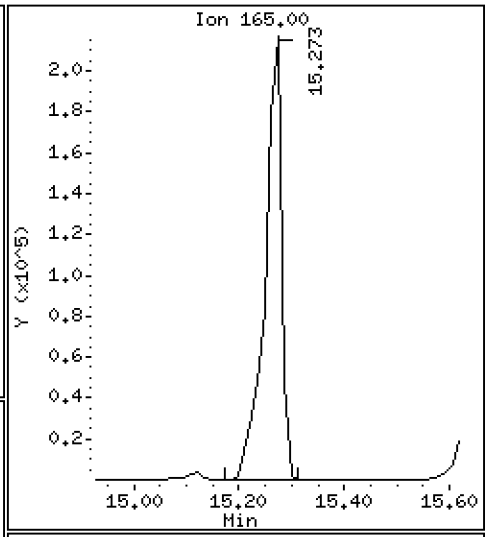
Concentration: 13.60 ug/mL

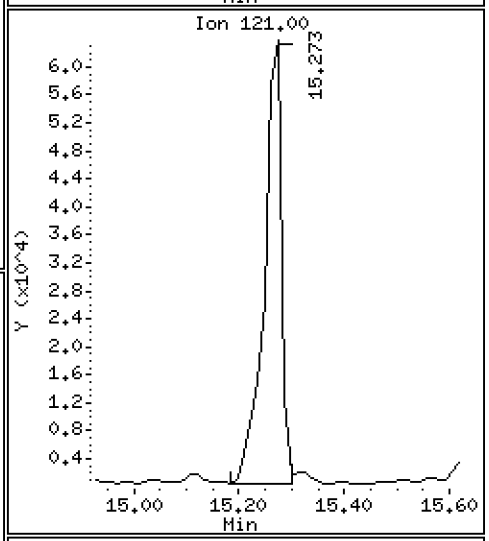


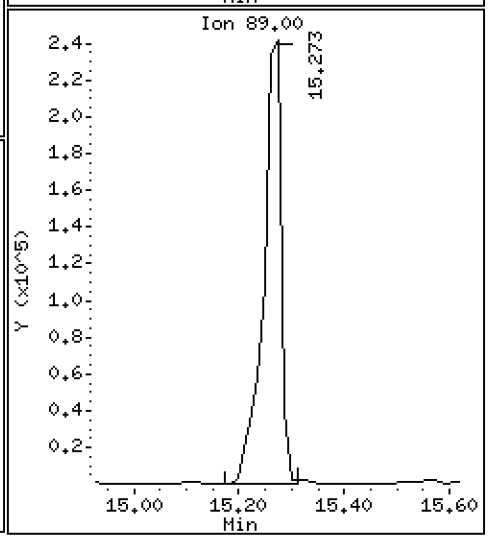












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

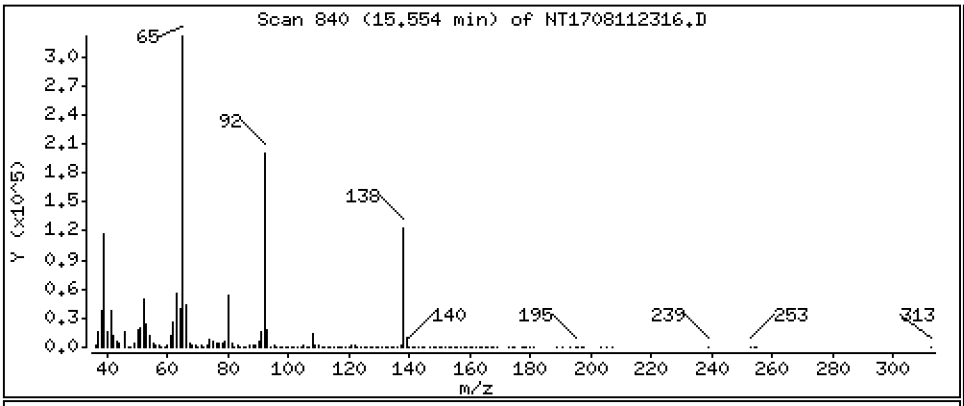
Operator: JGR

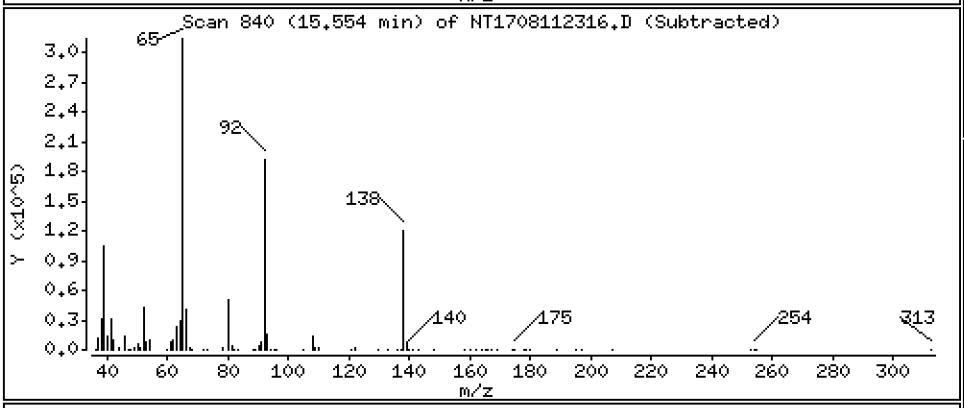
Column phase: ZB-5msi

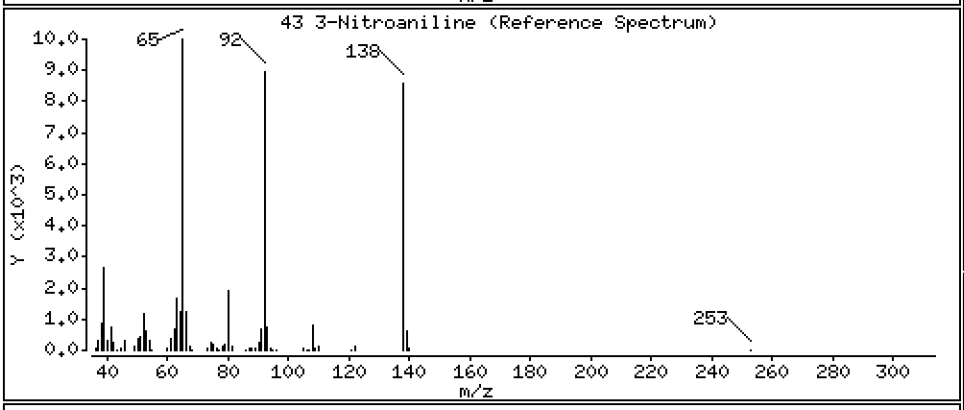
Column diameter: 0.25

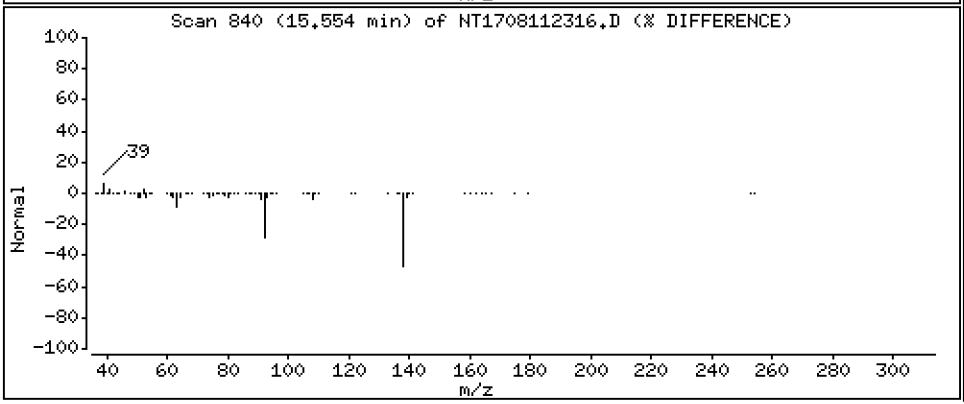
43 3-Nitroaniline

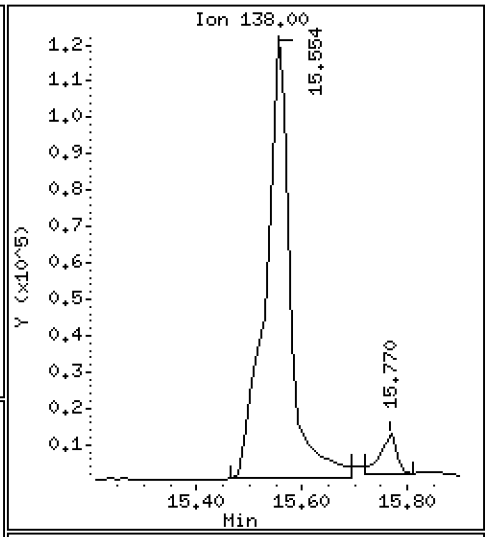
Concentration: 6.936 ug/mL

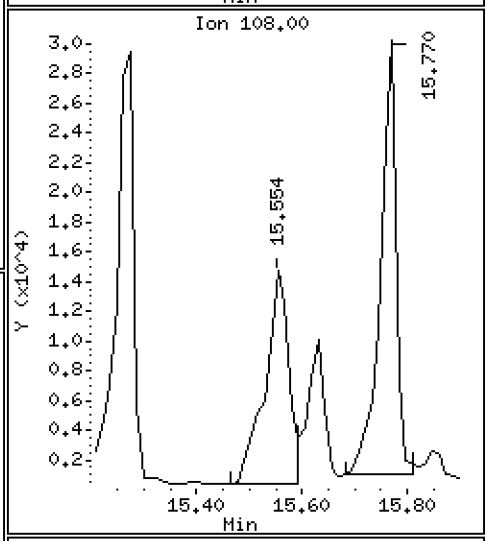


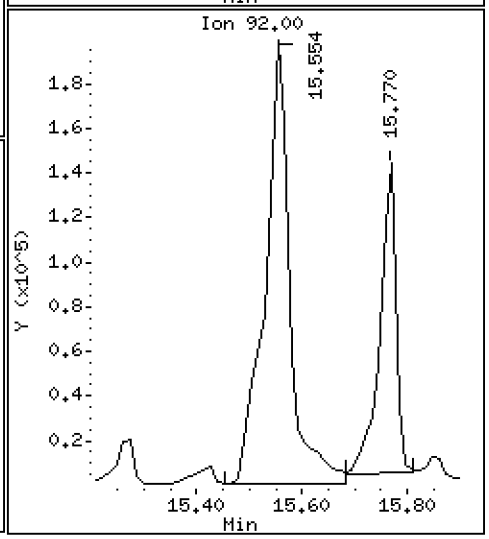












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

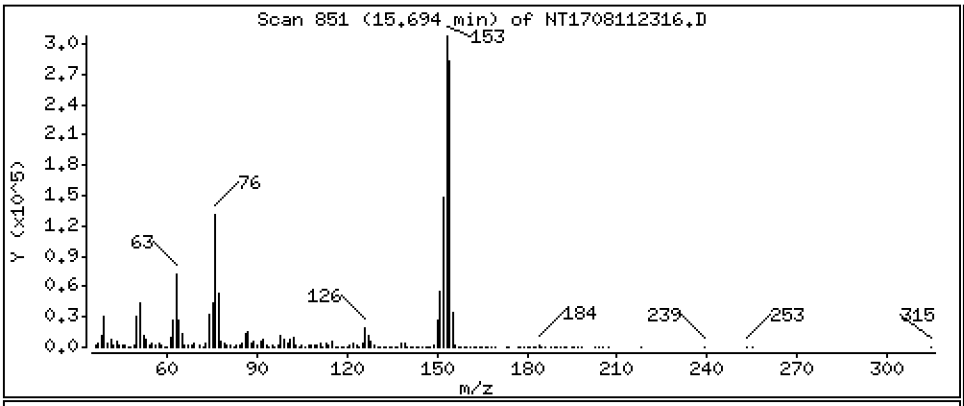
Operator: JGR

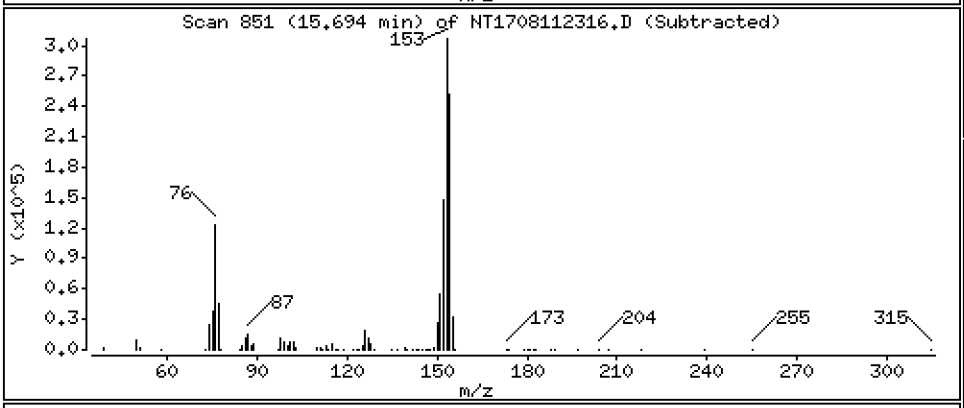
Column phase: ZB-5msi

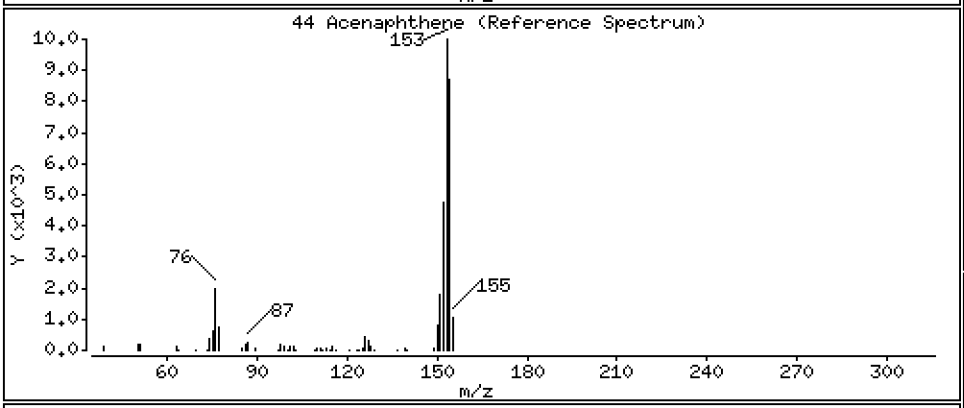
Column diameter: 0.25

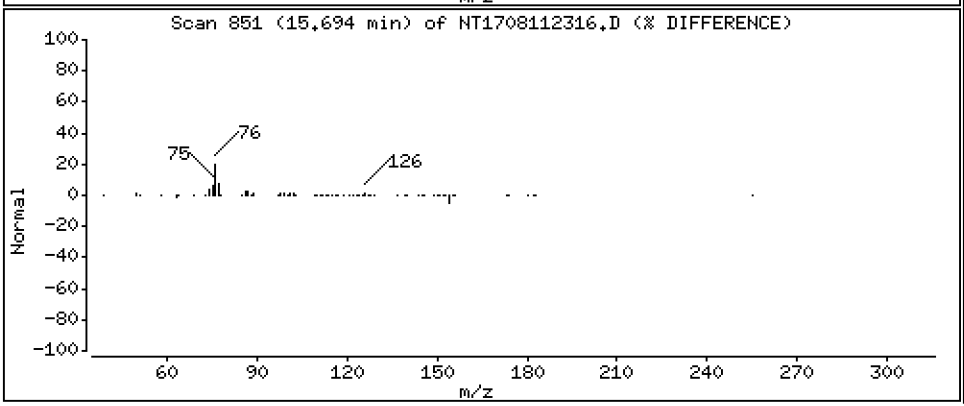
44 Acenaphthene

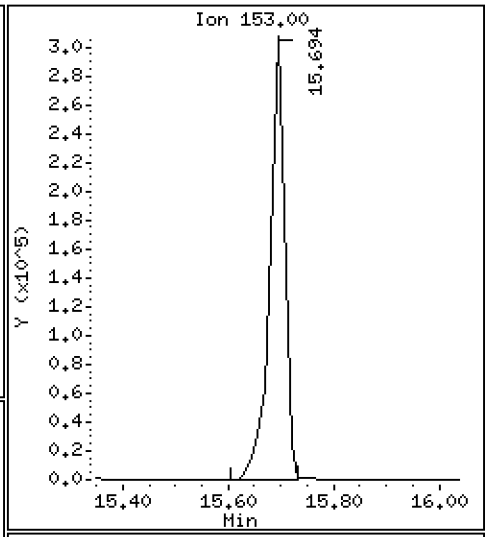
Concentration: 4.064 ug/mL

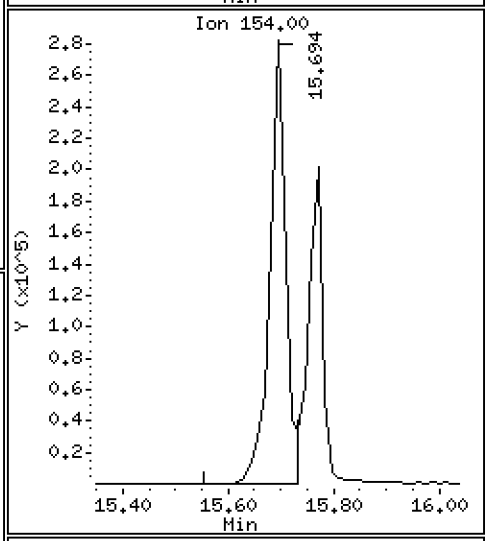


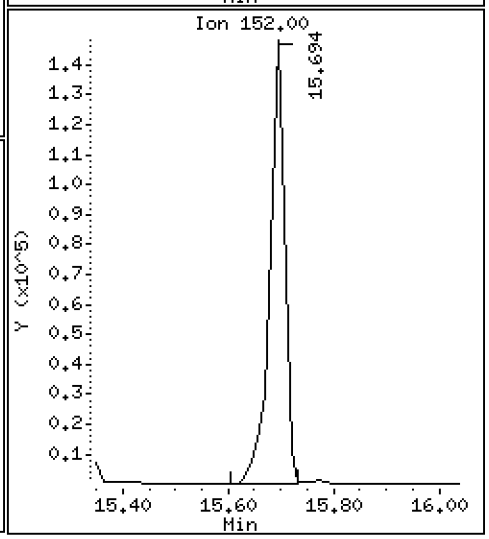












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

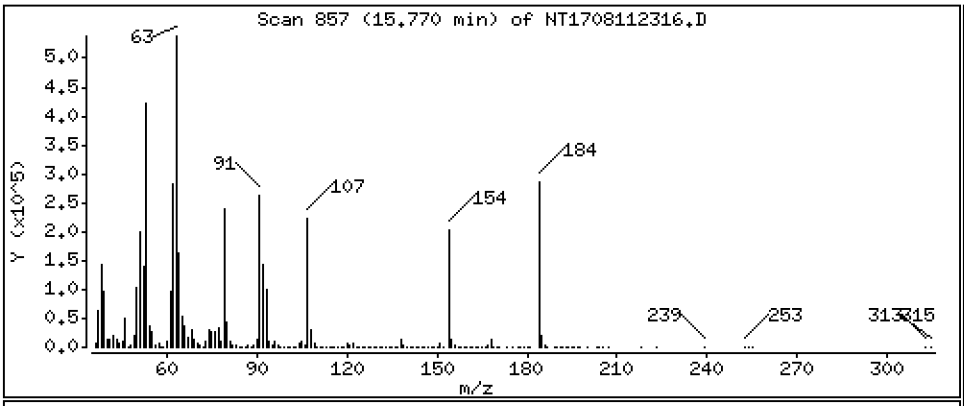
Operator: JGR

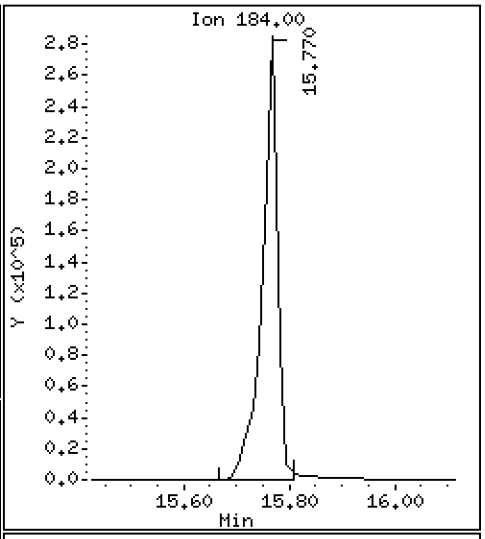
Column phase: ZB-5msi

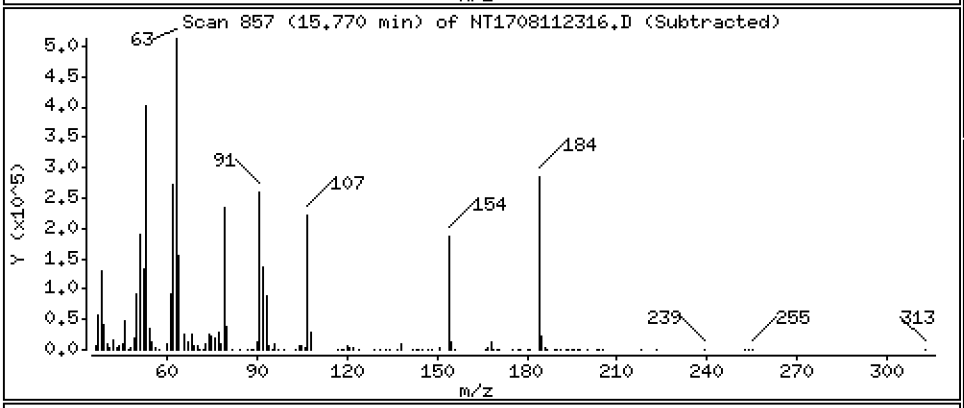
Column diameter: 0.25

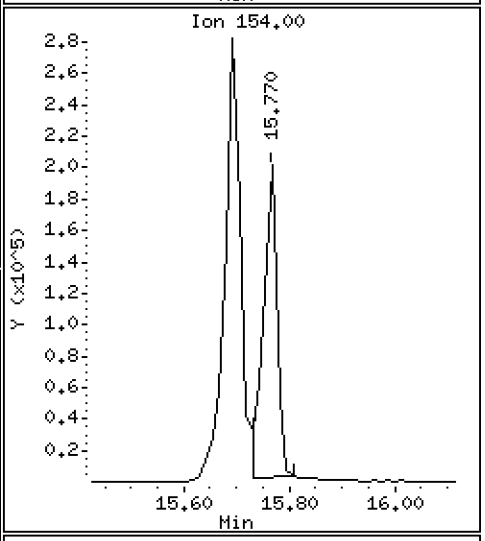
45 2,4-Dinitrophenol

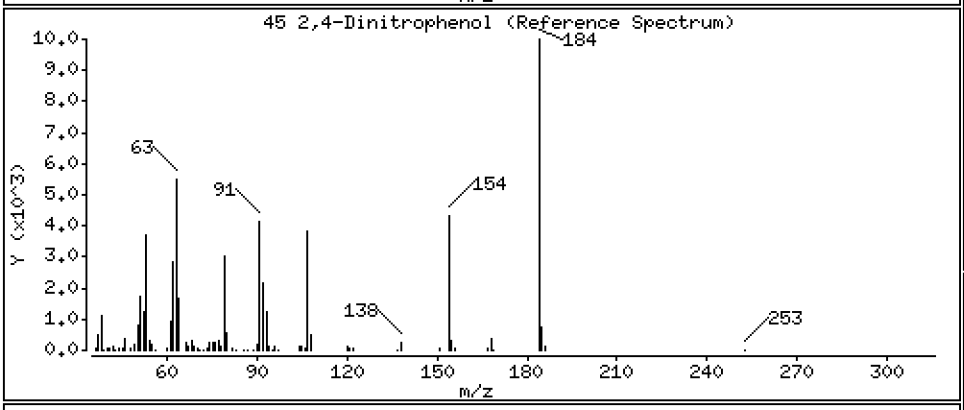
Concentration: 26.37 ug/mL

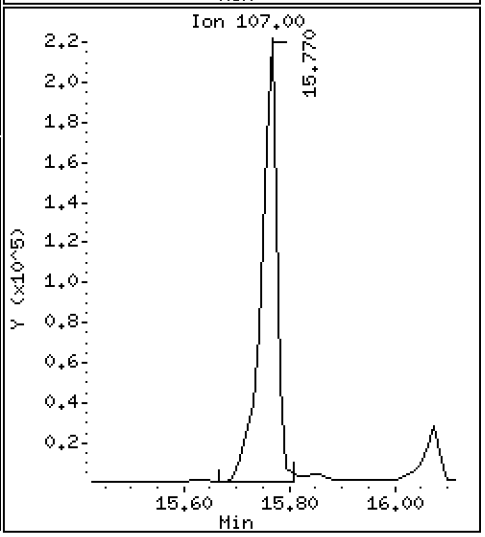


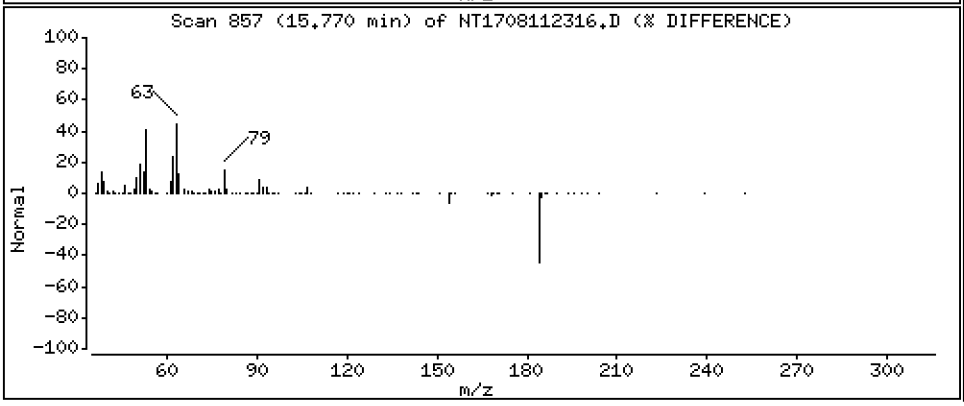












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

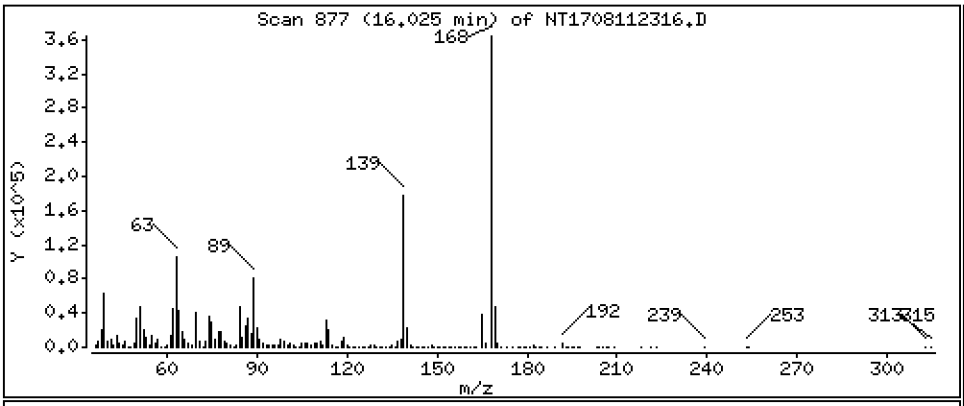
Operator: JGR

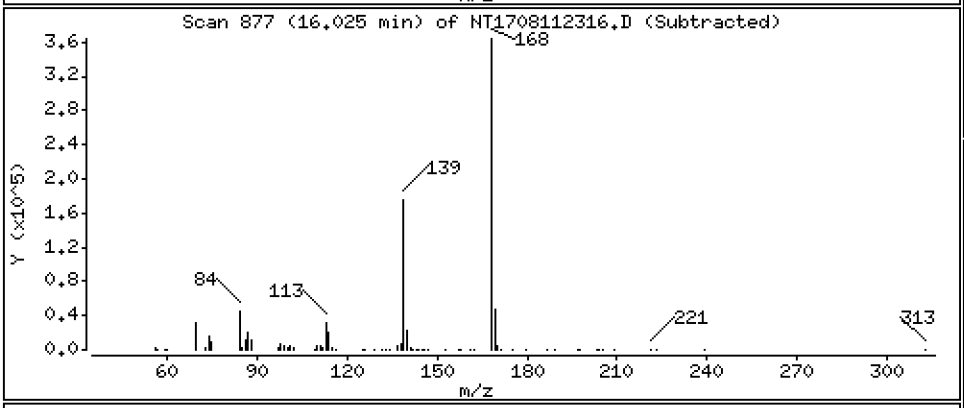
Column phase: ZB-5msi

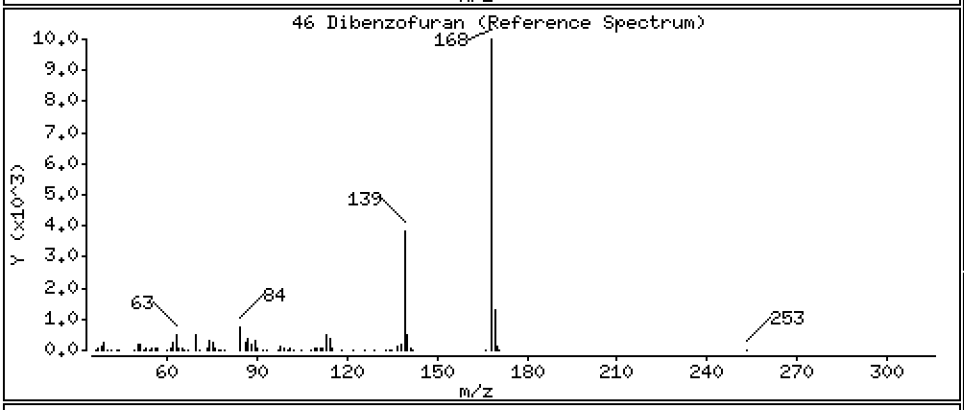
Column diameter: 0.25

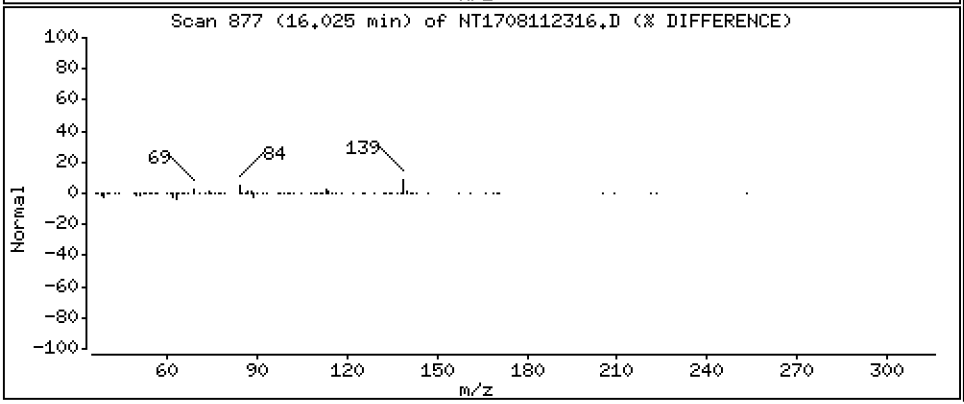
46 Dibenzofuran

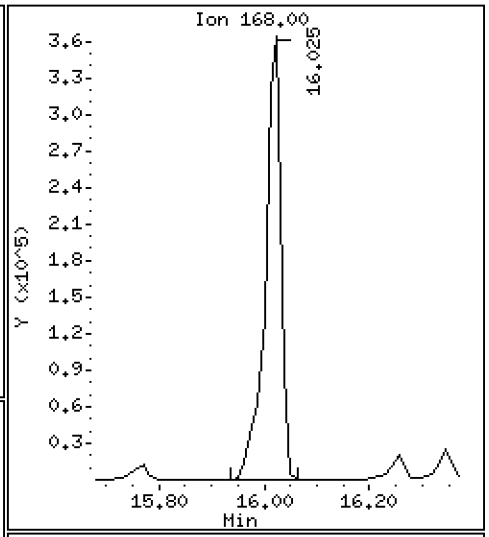
Concentration: 3.870 ug/mL

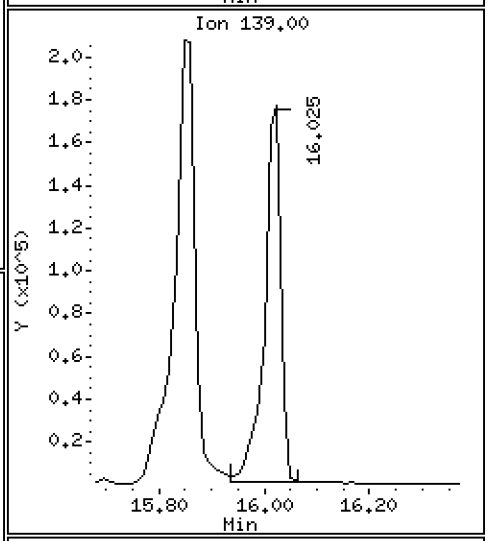


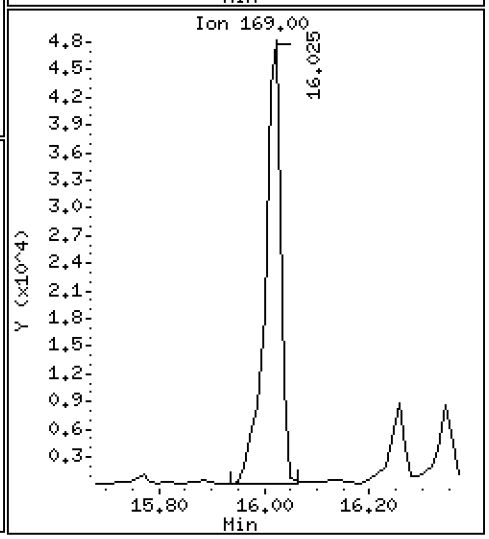












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

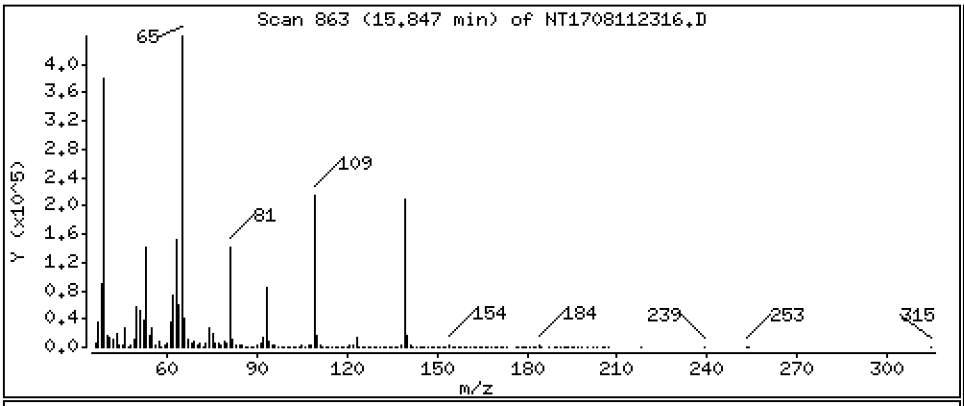
Operator: JGR

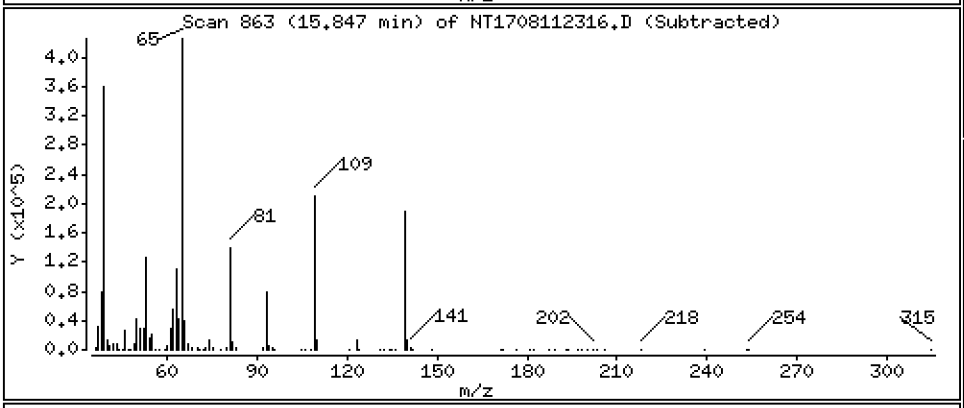
Column phase: ZB-5msi

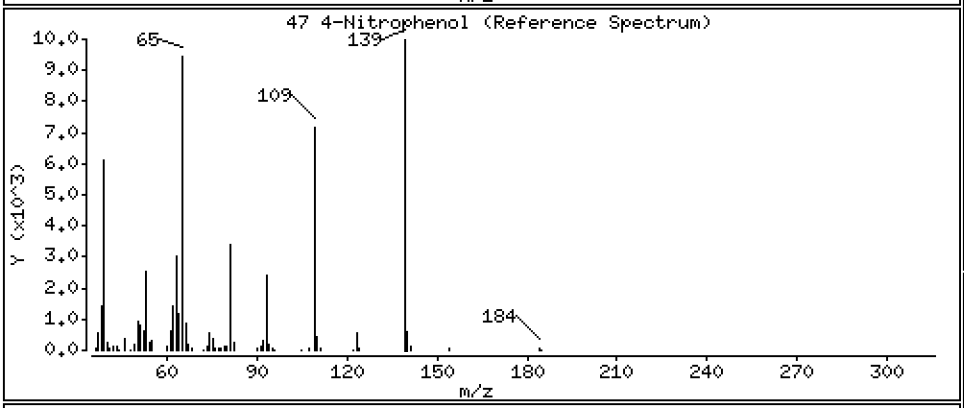
Column diameter: 0.25

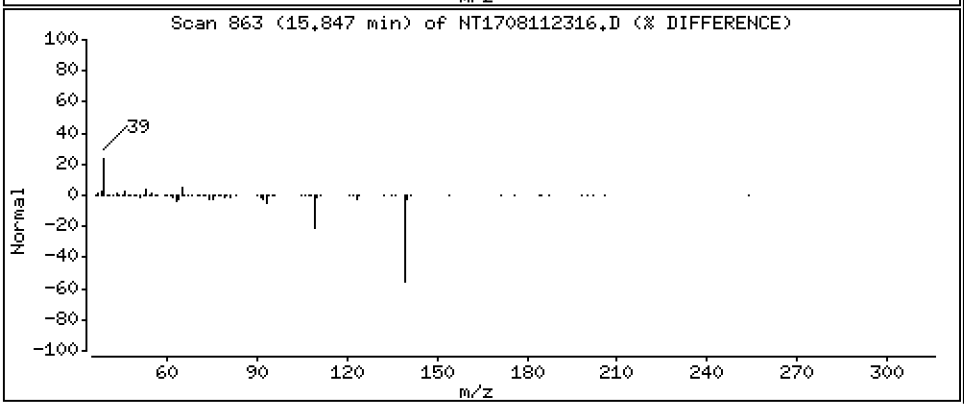
47 4-Nitrophenol

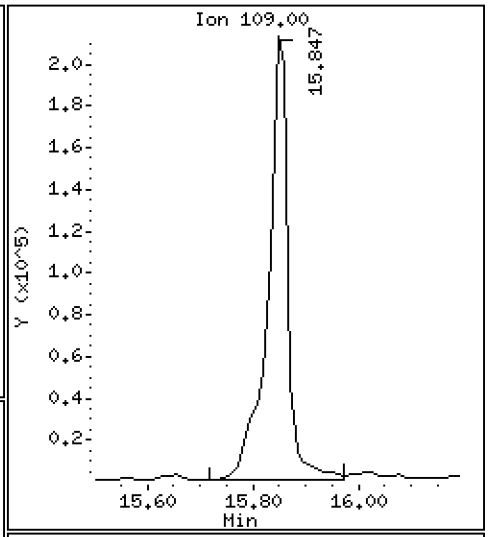
Concentration: 14.02 ug/mL

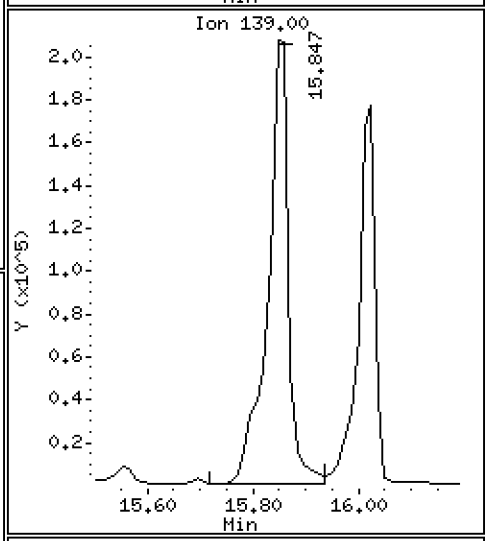


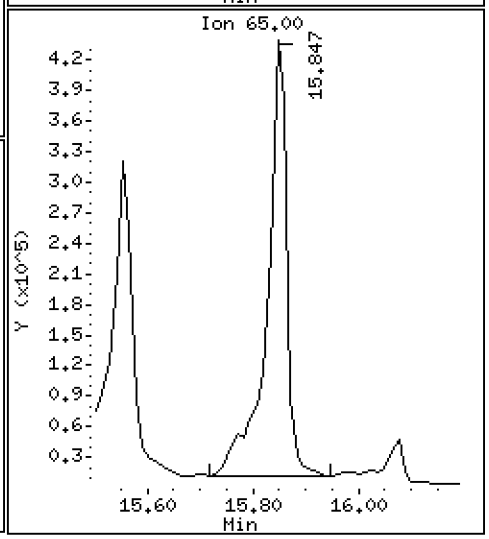












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

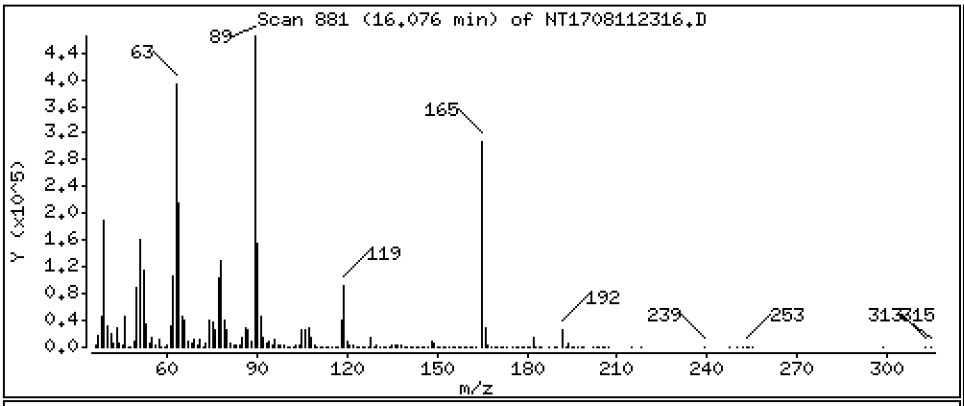
Operator: JGR

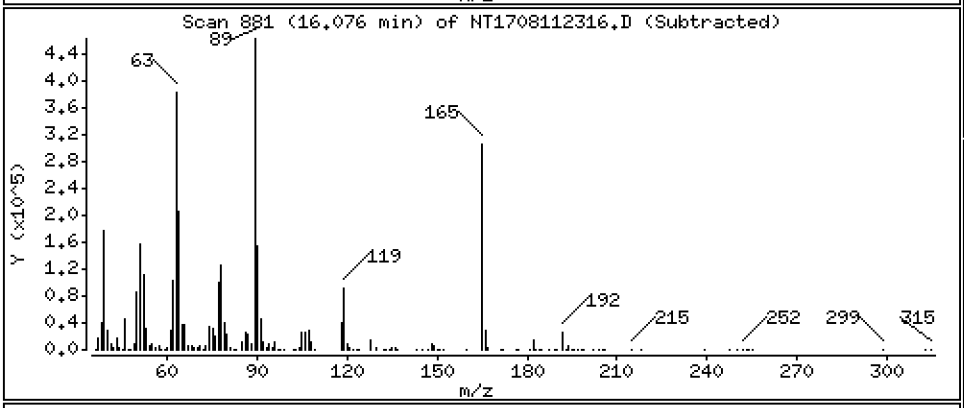
Column phase: ZB-5msi

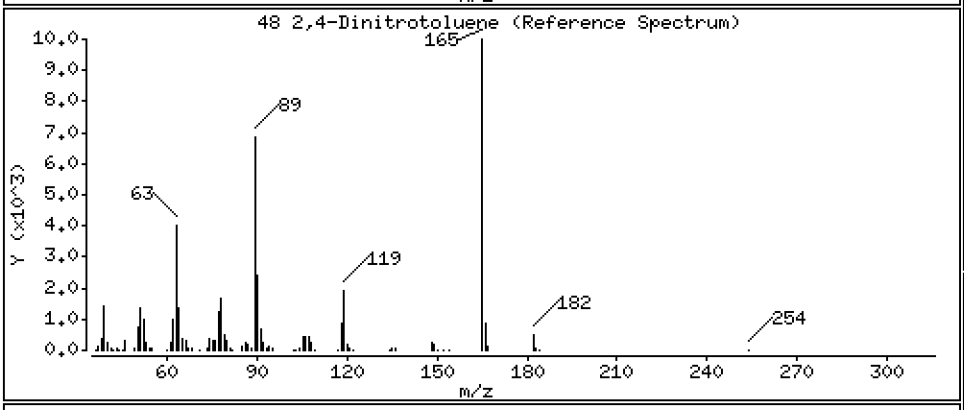
Column diameter: 0.25

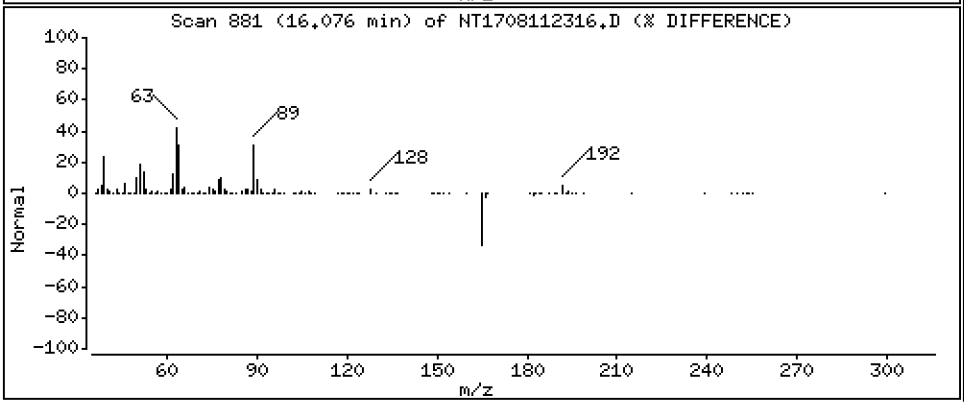
48 2,4-Dinitrotoluene

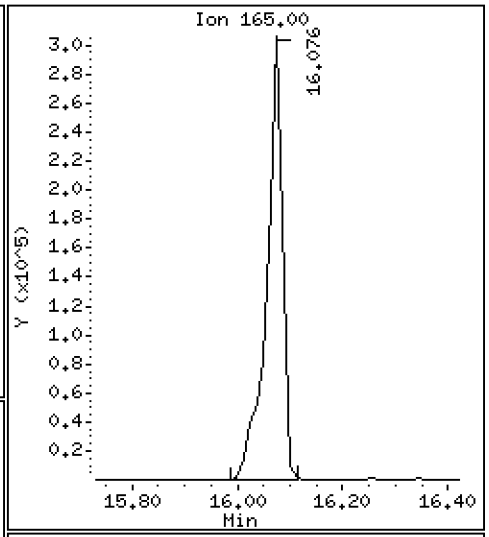
Concentration: 11.50 ug/mL

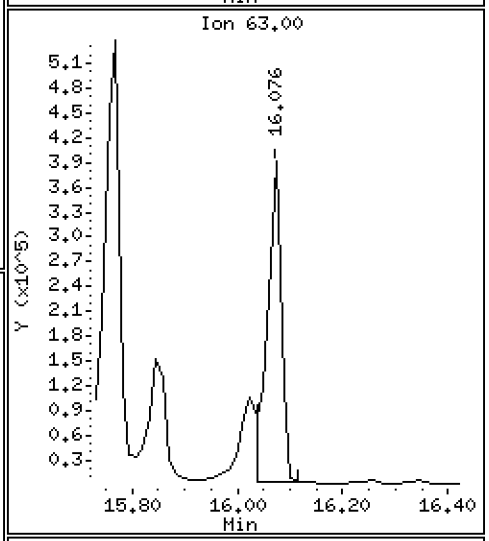


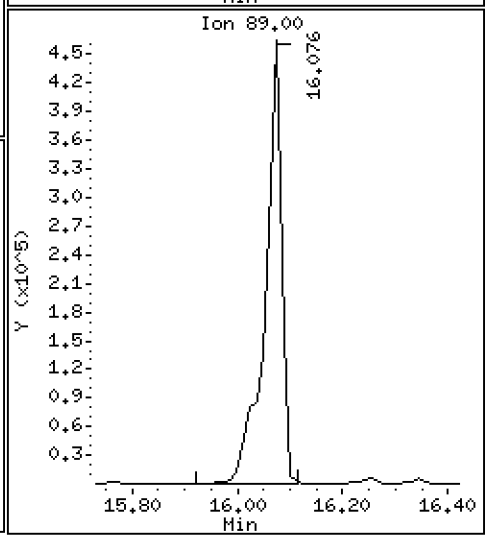












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

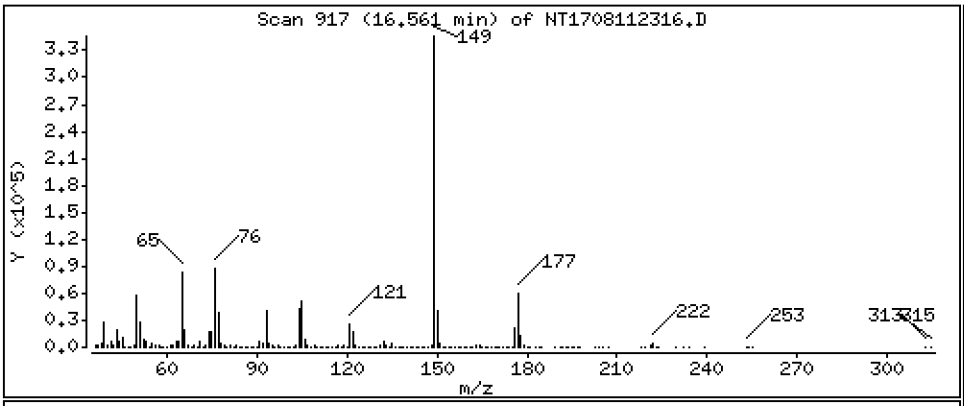
Operator: JGR

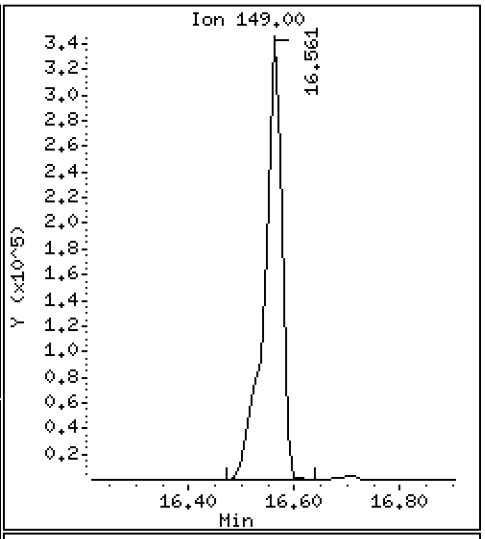
Column phase: ZB-5msi

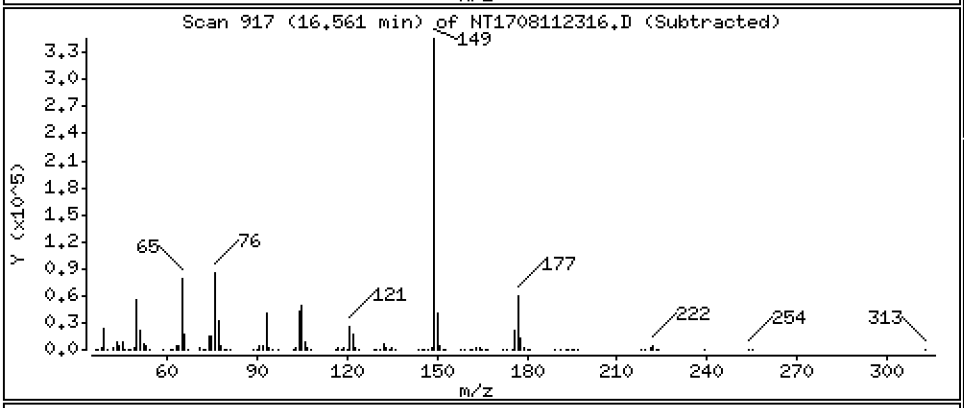
Column diameter: 0.25

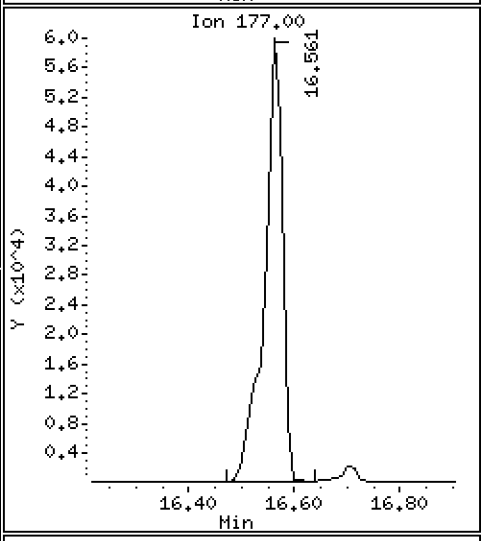
50 Diethylphthalate

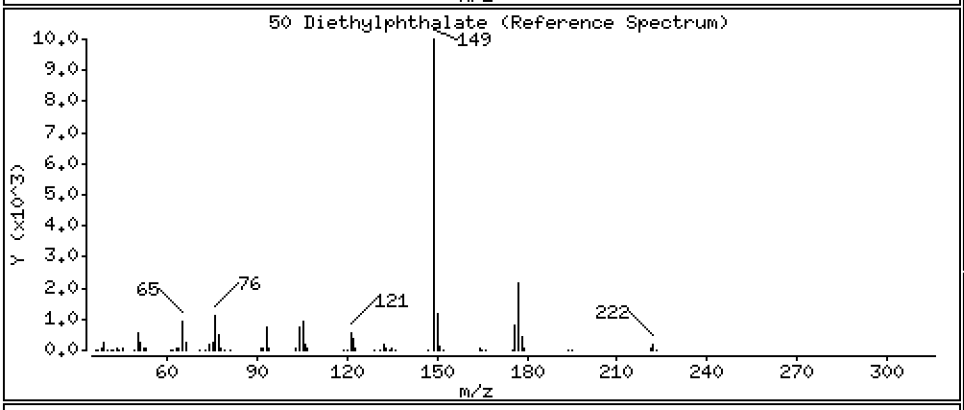
Concentration: 4.538 ug/mL

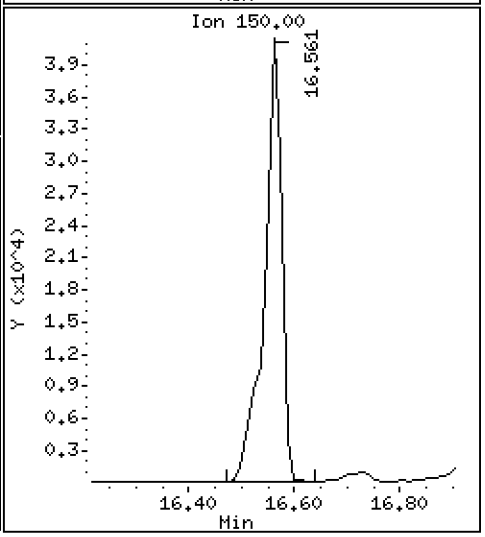


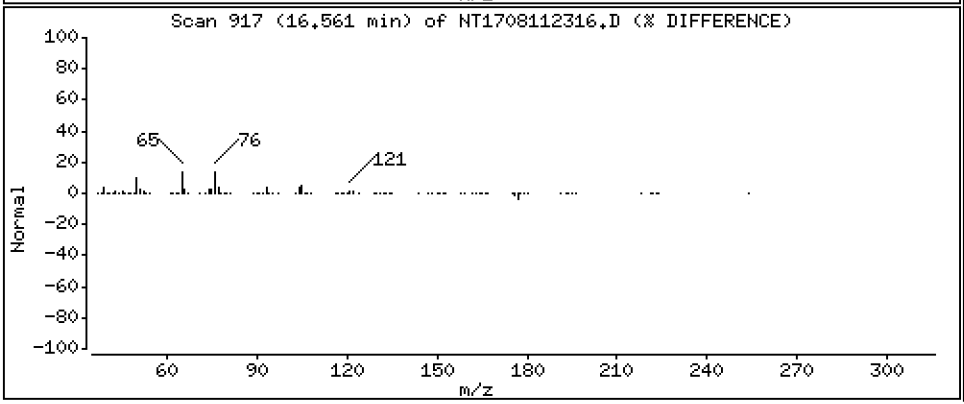












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

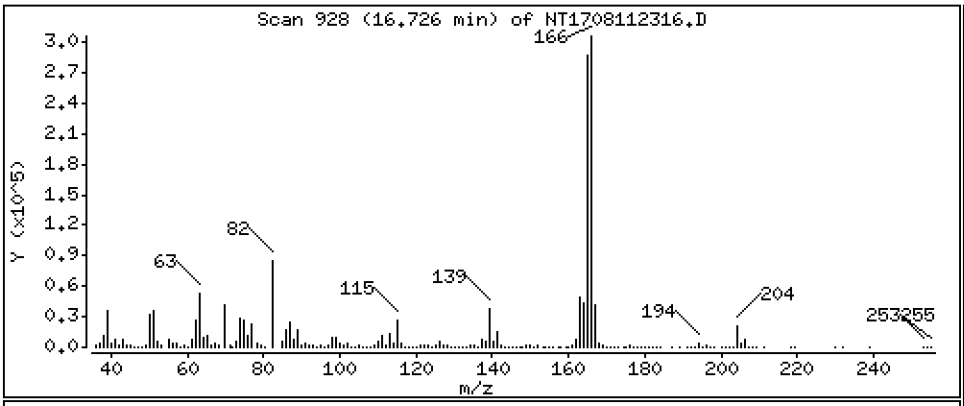
Operator: JGR

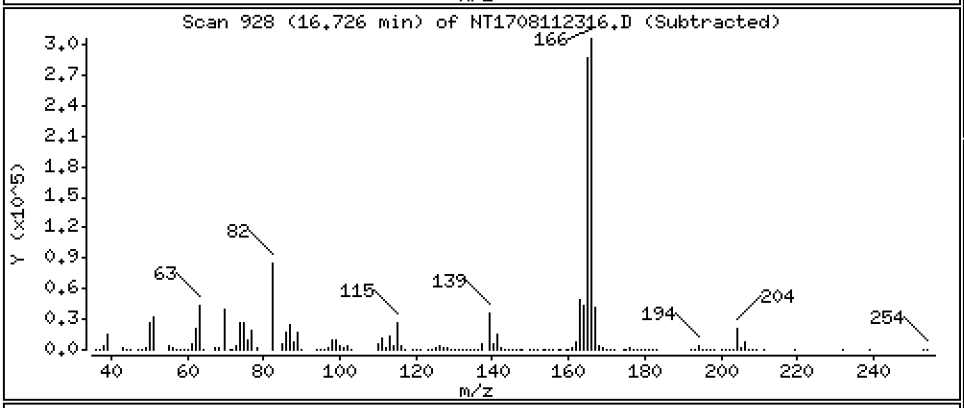
Column phase: ZB-5msi

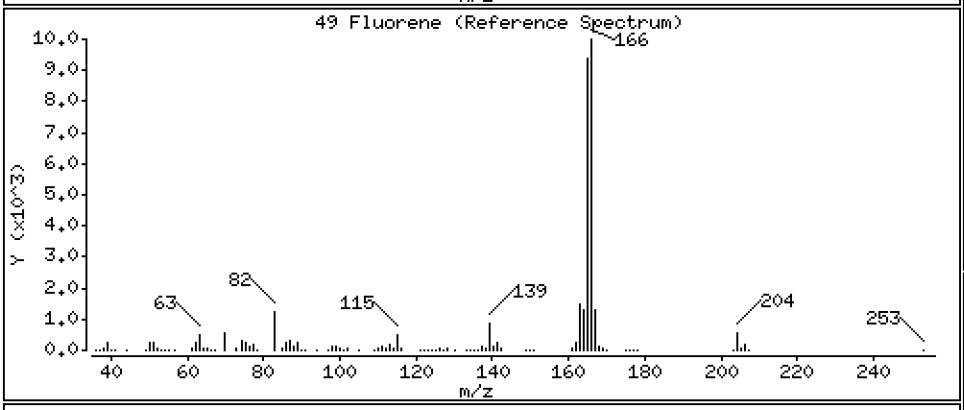
Column diameter: 0.25

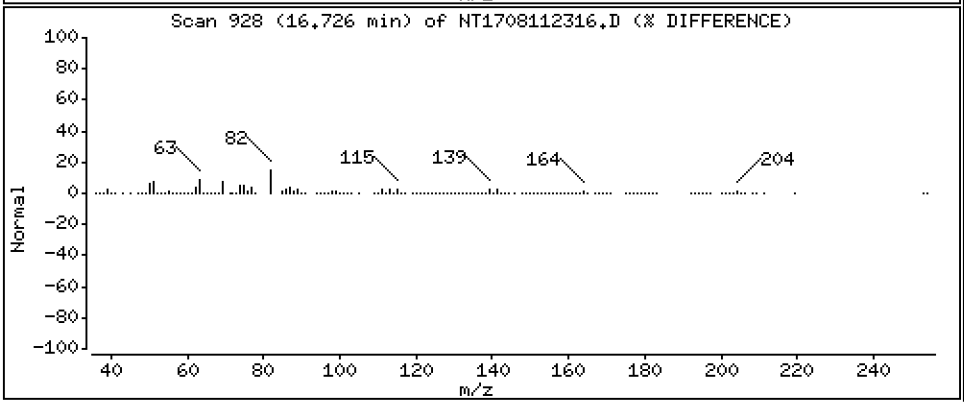
49 Fluorene

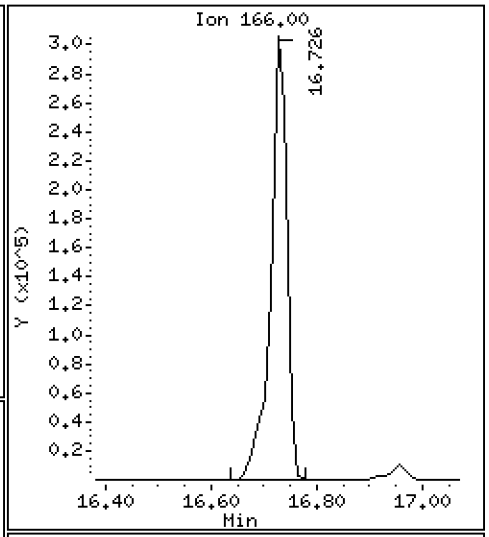
Concentration: 4.035 ug/mL

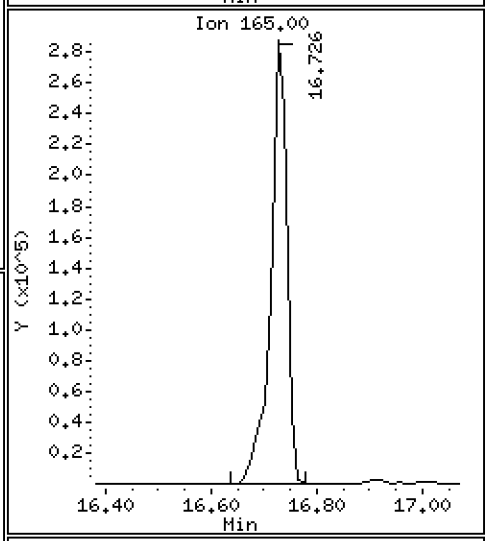


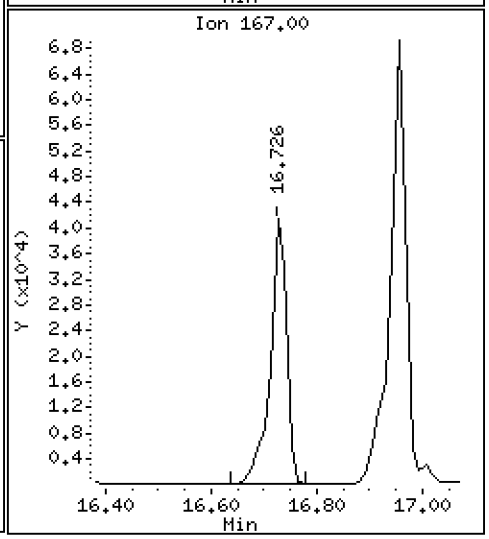












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

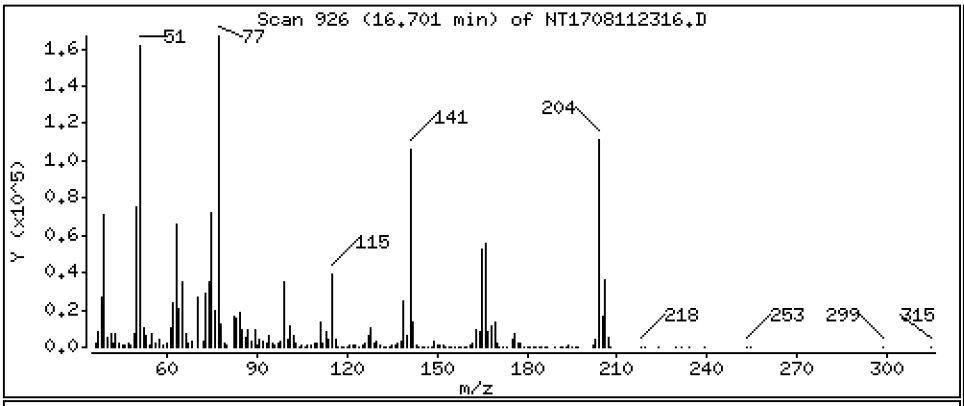
Operator: JGR

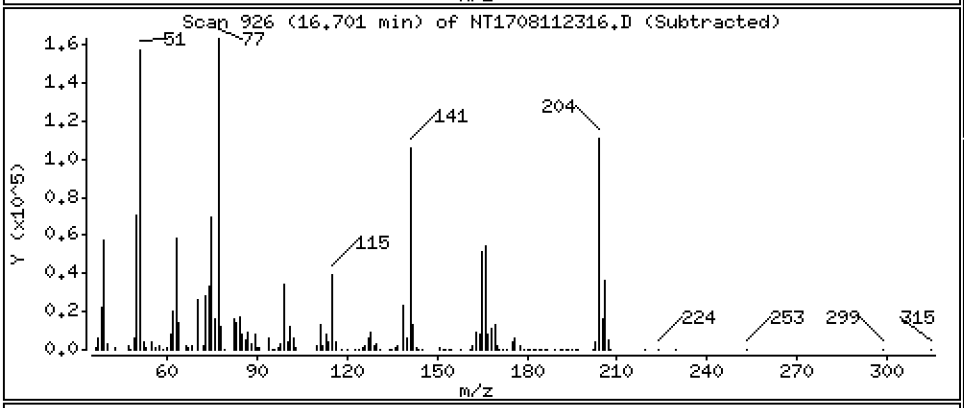
Column phase: ZB-5msi

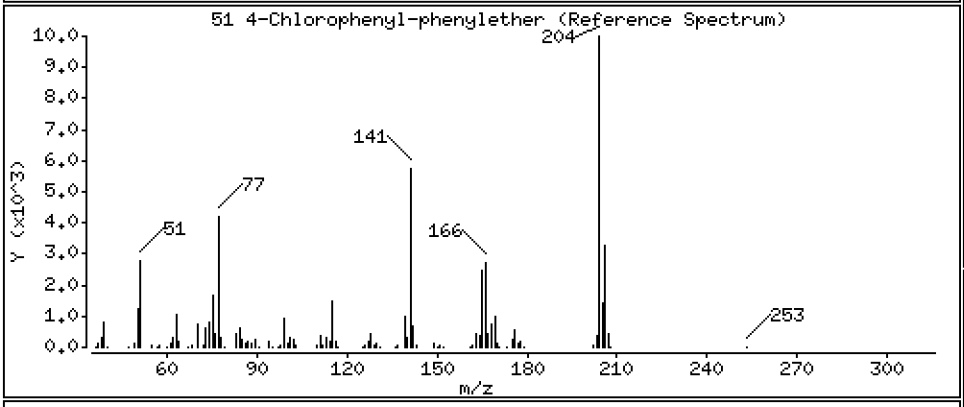
Column diameter: 0.25

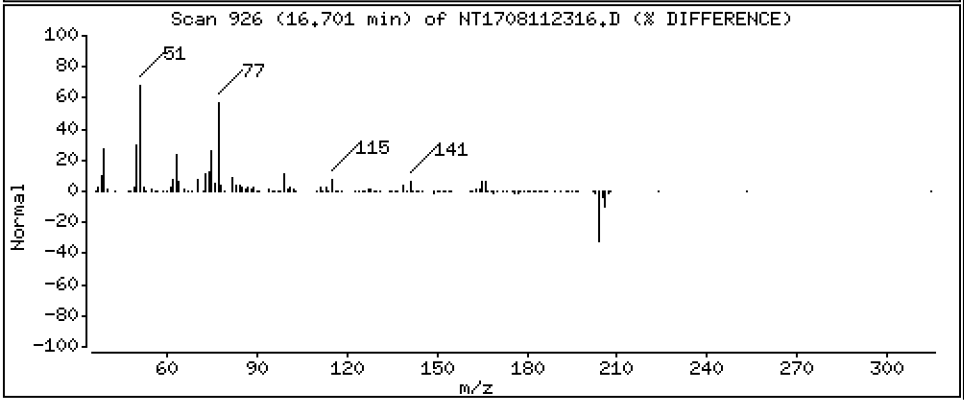
51 4-Chlorophenyl-phenylether

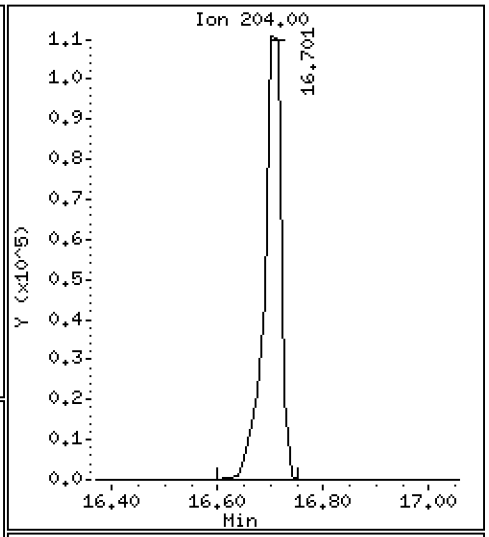
Concentration: 4.106 ug/mL

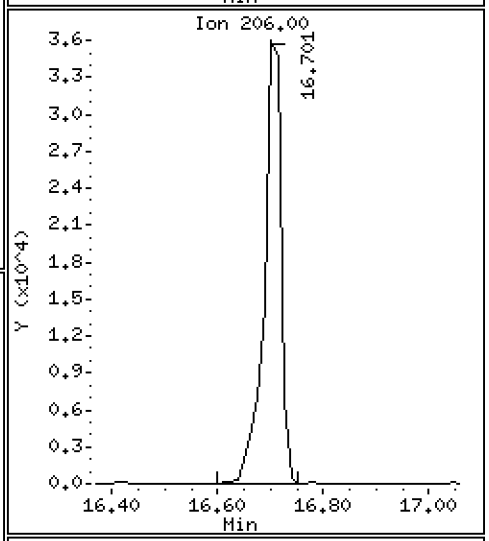


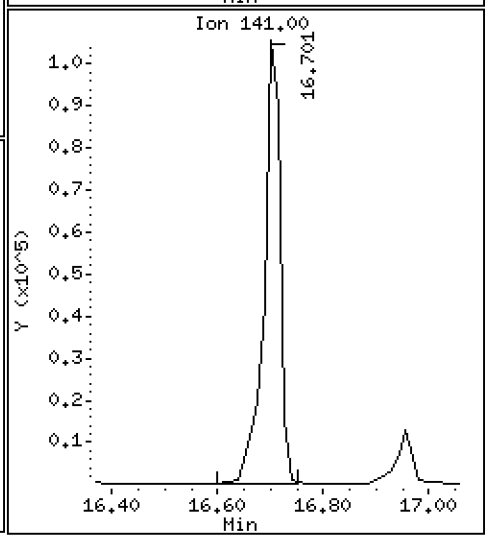












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

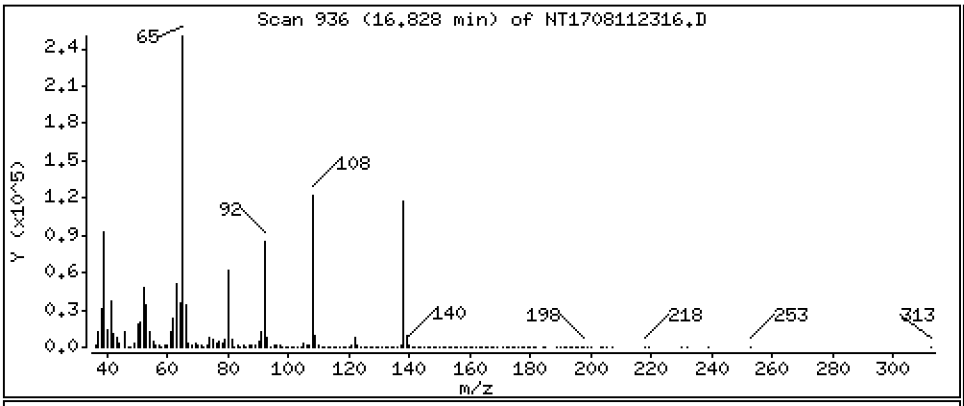
Operator: JGR

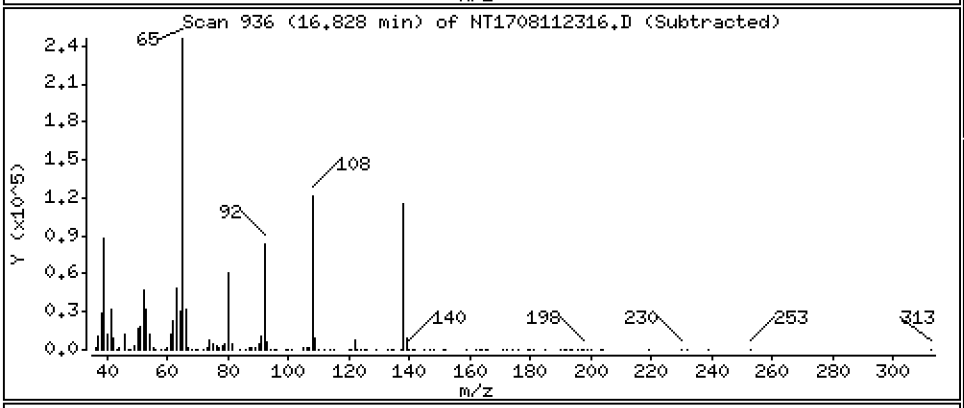
Column phase: ZB-5msi

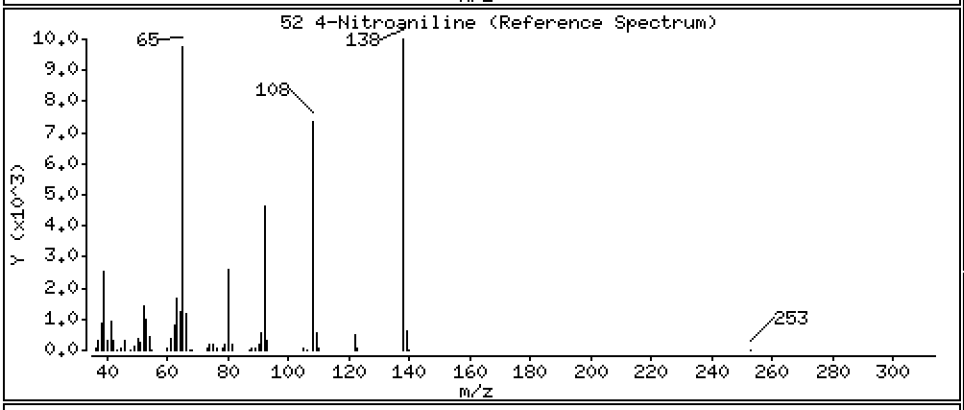
Column diameter: 0.25

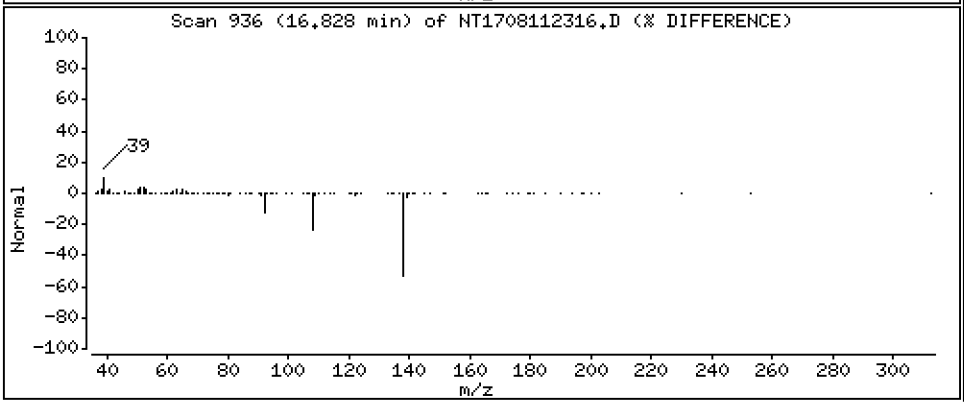
52 4-Nitroaniline

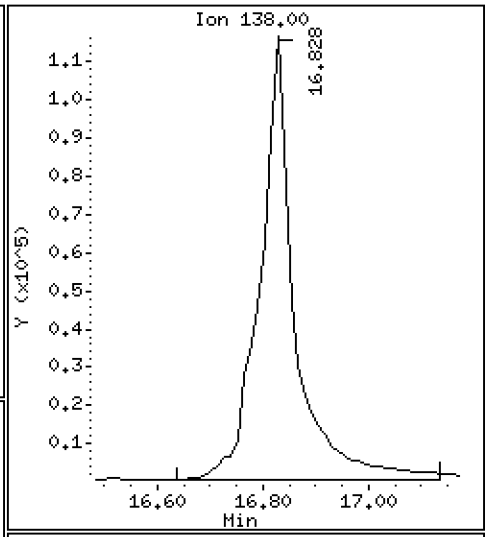
Concentration: 11.70 ug/mL

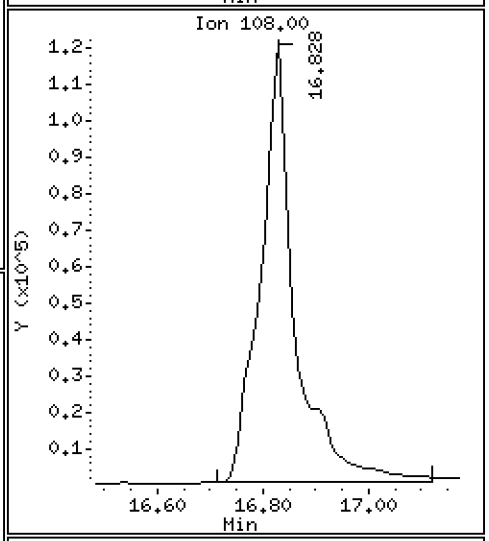


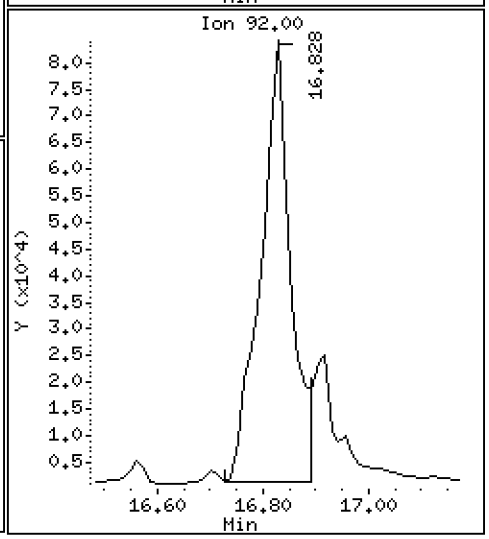












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

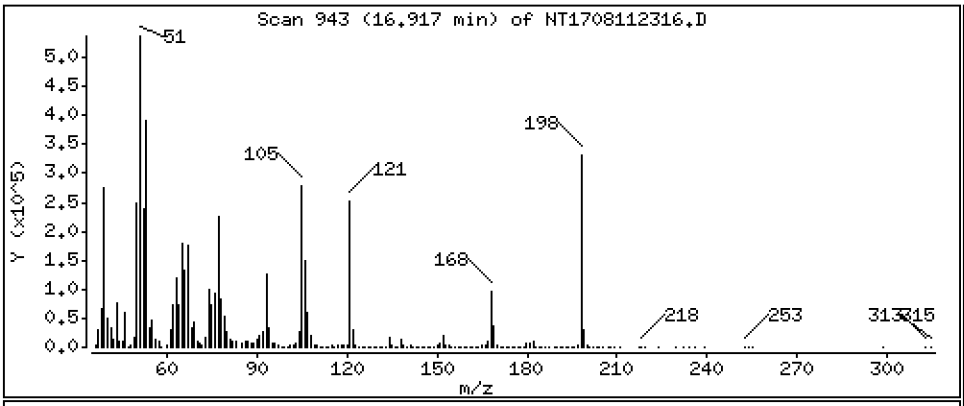
Operator: JGR

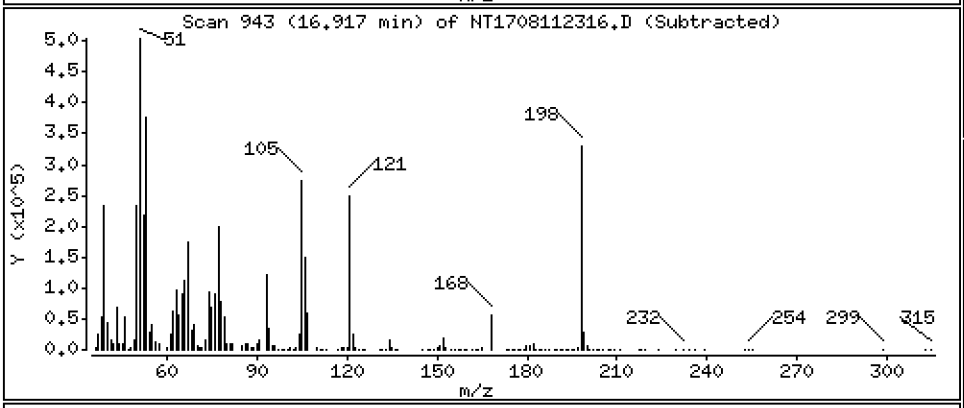
Column phase: ZB-5msi

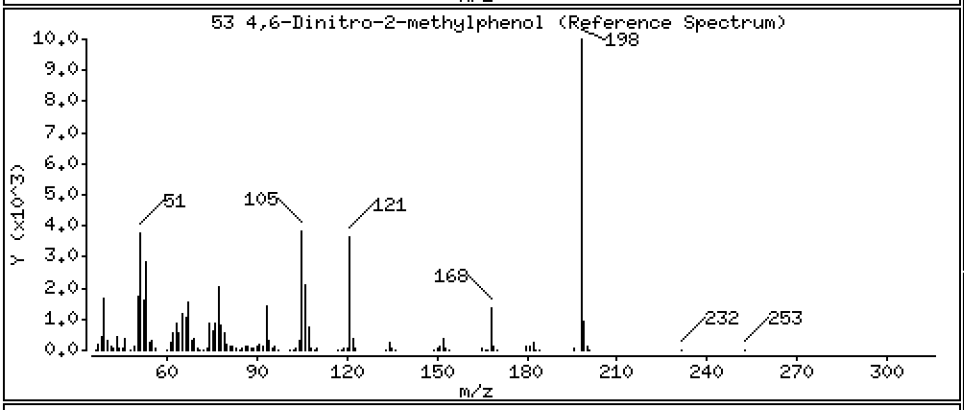
Column diameter: 0.25

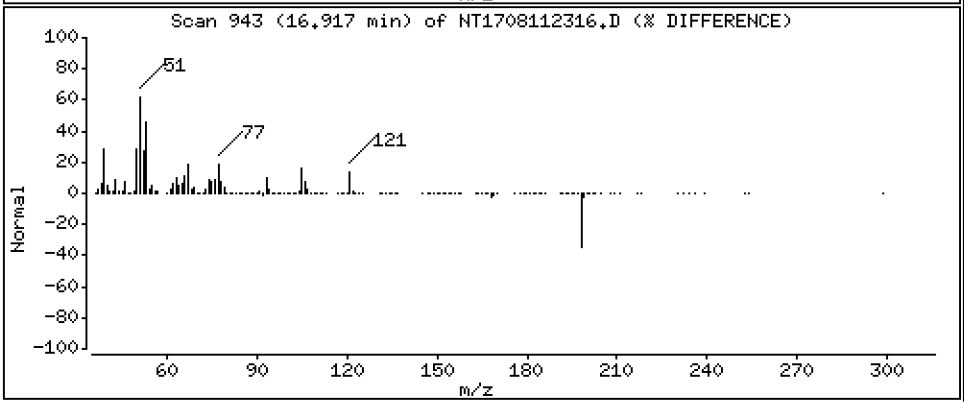
53 4,6-Dinitro-2-methylphenol

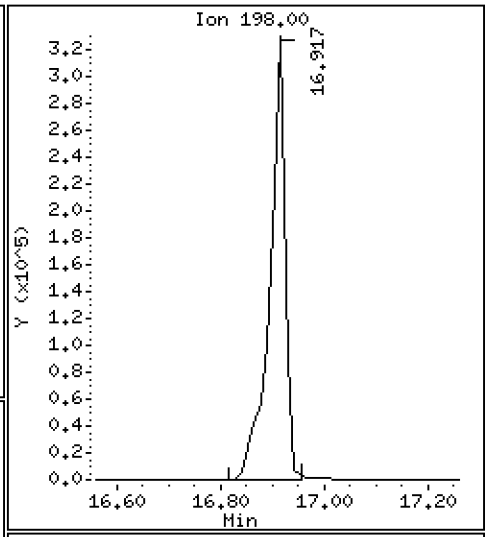
Concentration: 23.82 ug/mL

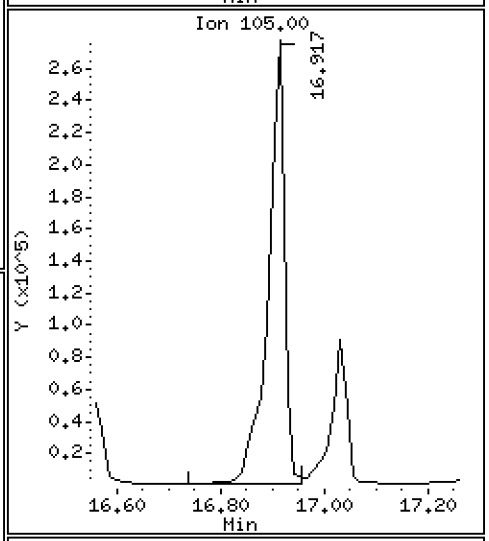


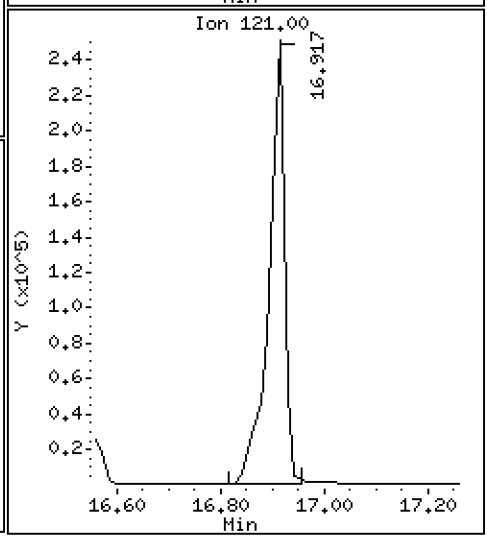












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

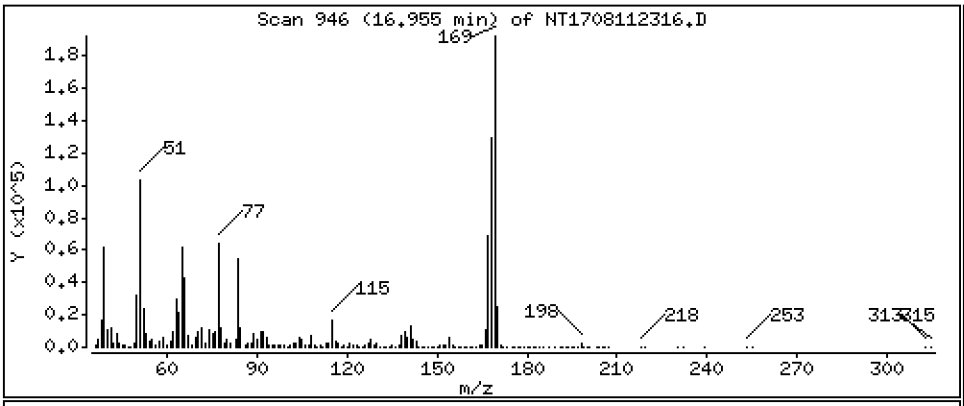
Operator: JGR

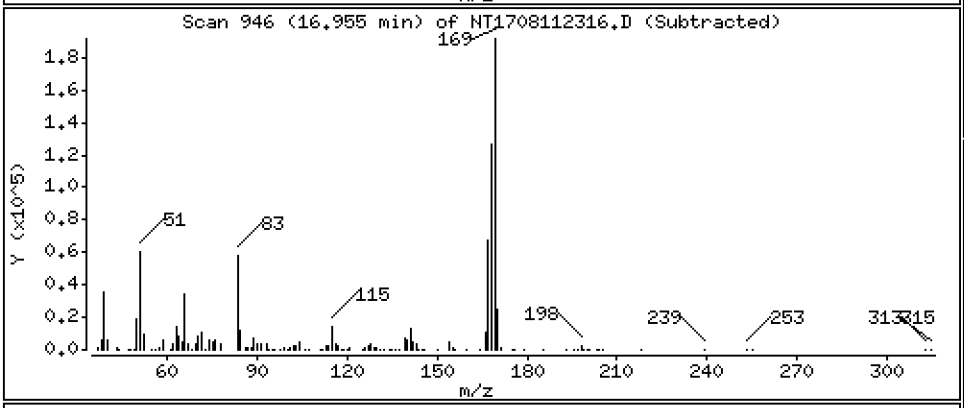
Column phase: ZB-5msi

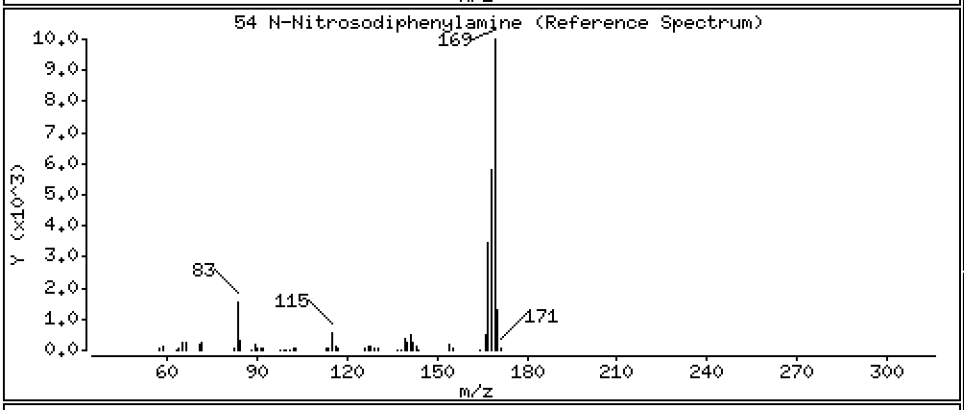
Column diameter: 0.25

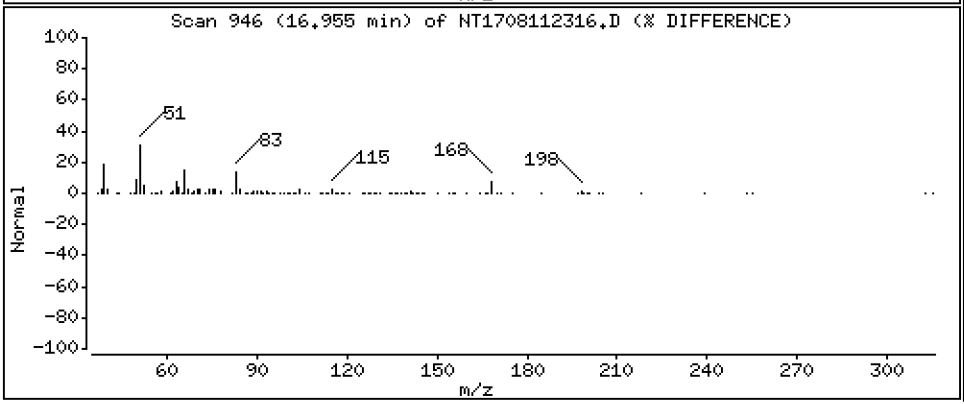
54 N-Nitrosodiphenylamine

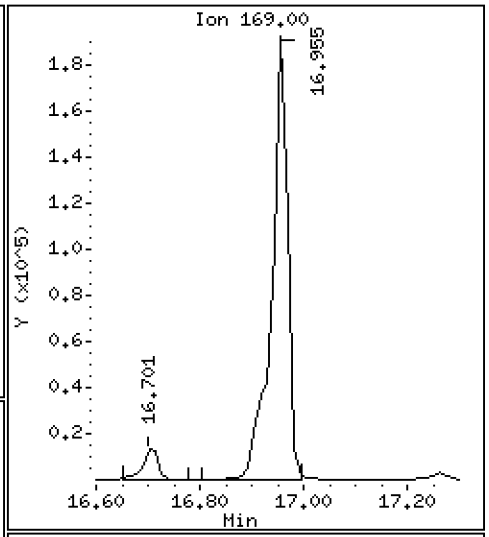
Concentration: 3.568 ug/mL

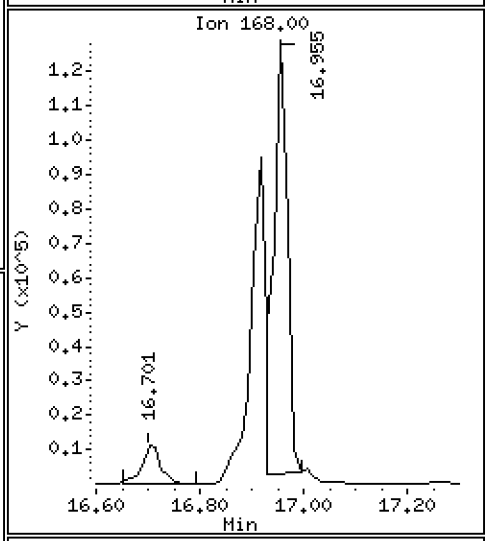


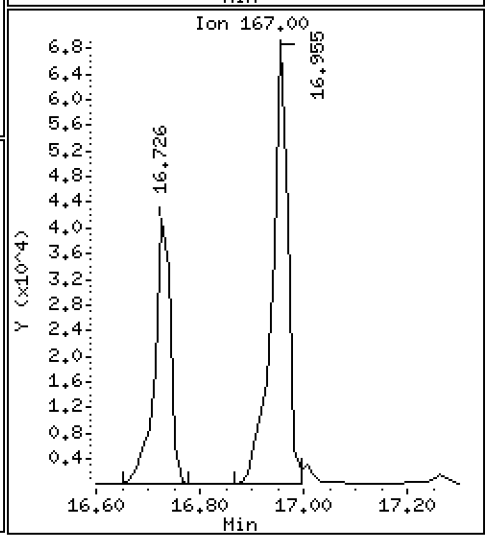












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

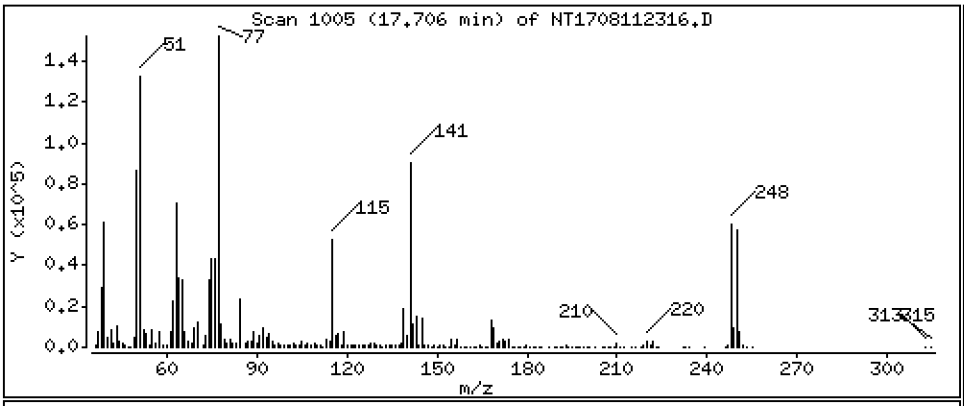
Operator: JGR

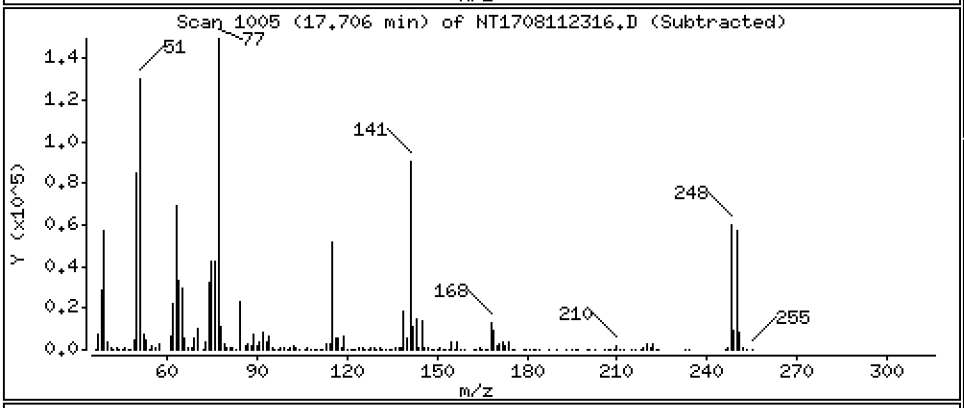
Column phase: ZB-5msi

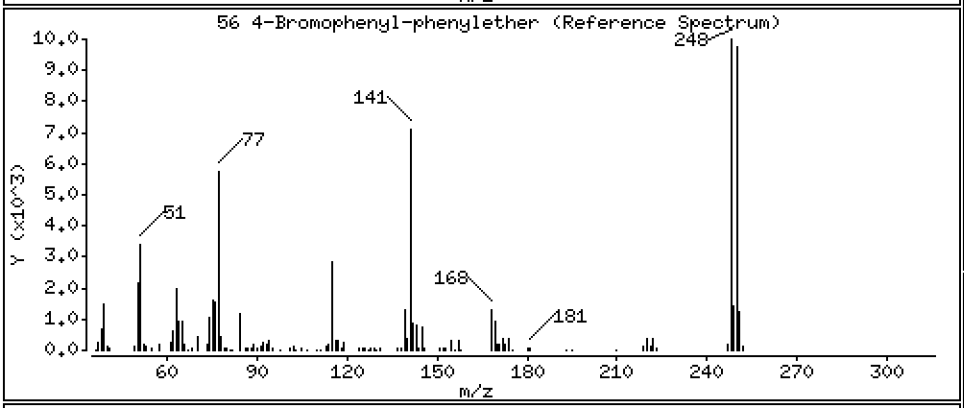
Column diameter: 0.25

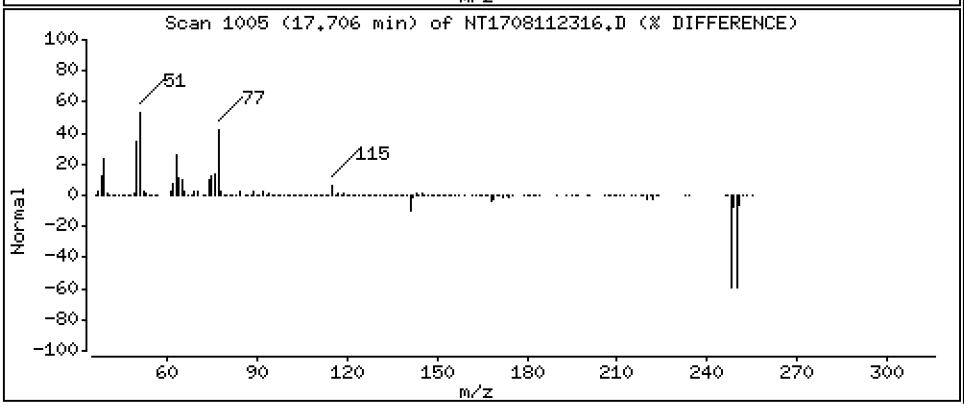
56 4-Bromophenyl-phenylether

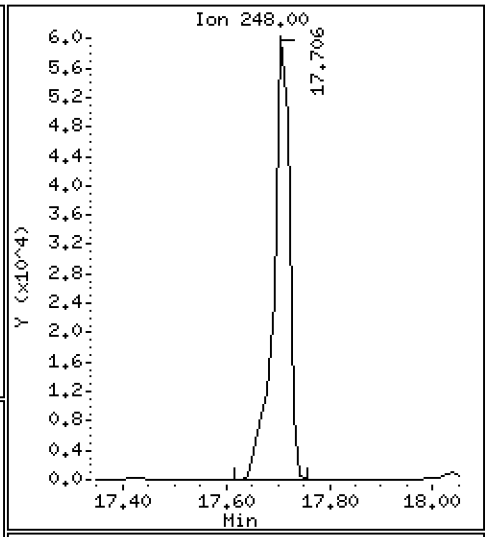
Concentration: 4.138 ug/mL

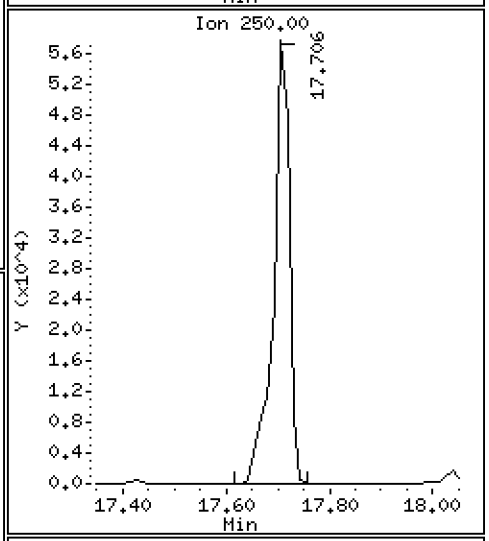


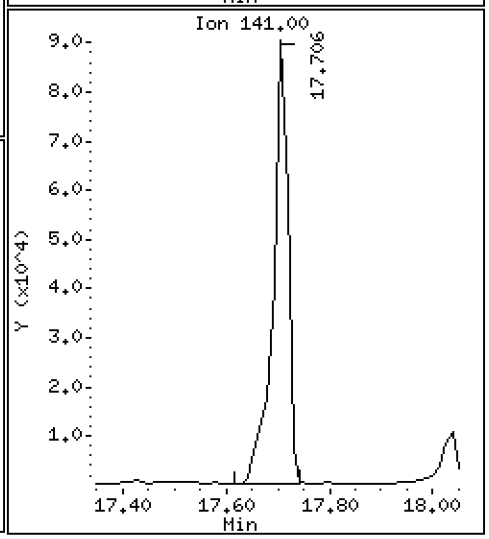












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

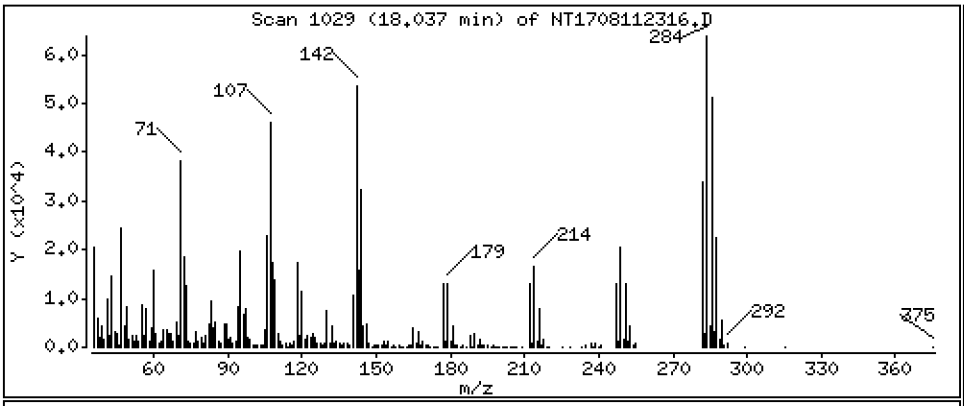
Operator: JGR

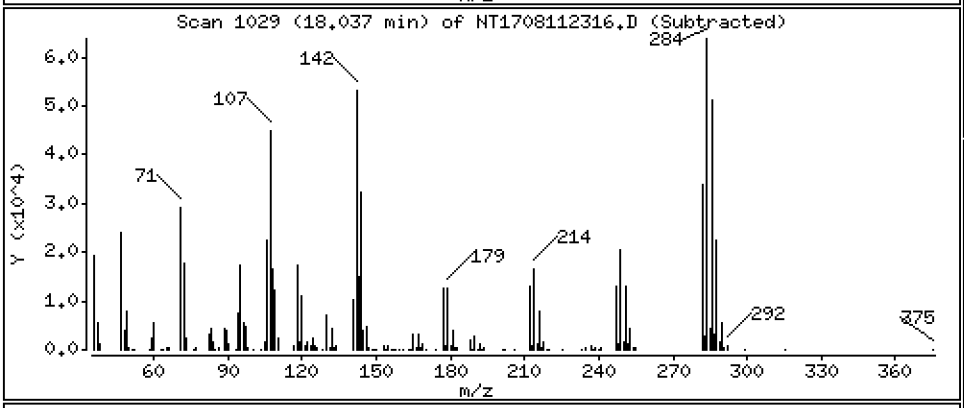
Column phase: ZB-5msi

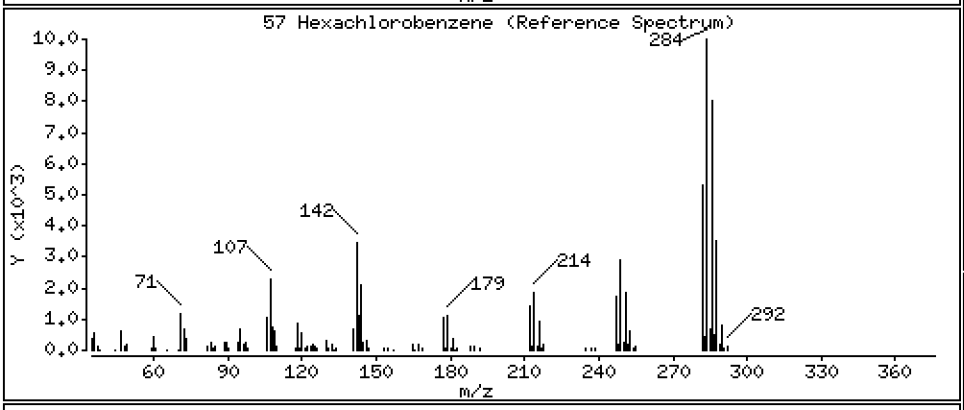
Column diameter: 0.25

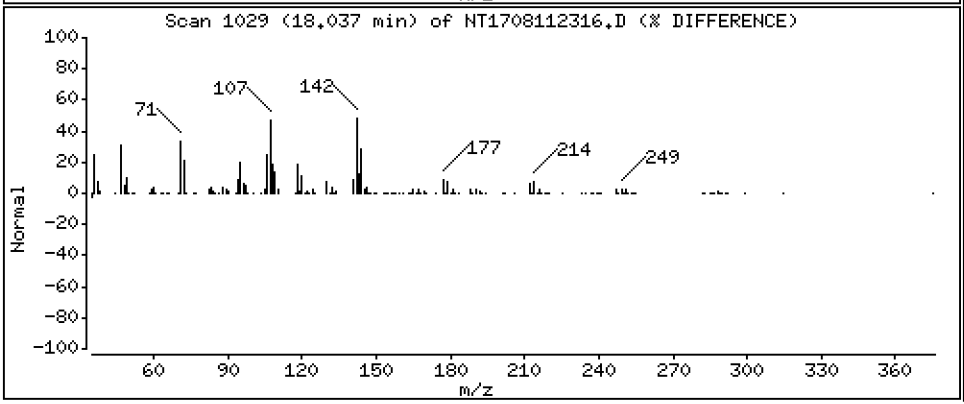
57 Hexachlorobenzene

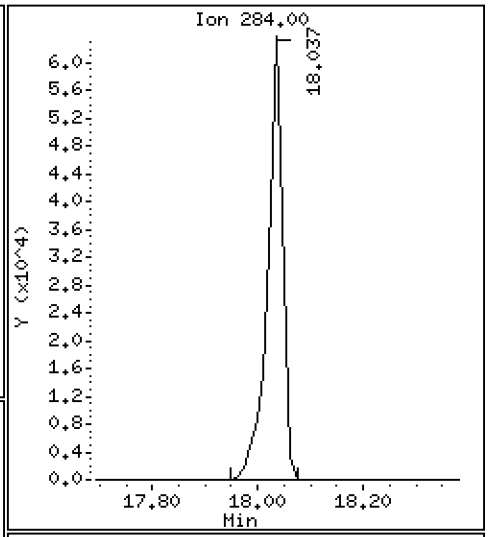
Concentration: 3.703 ug/mL

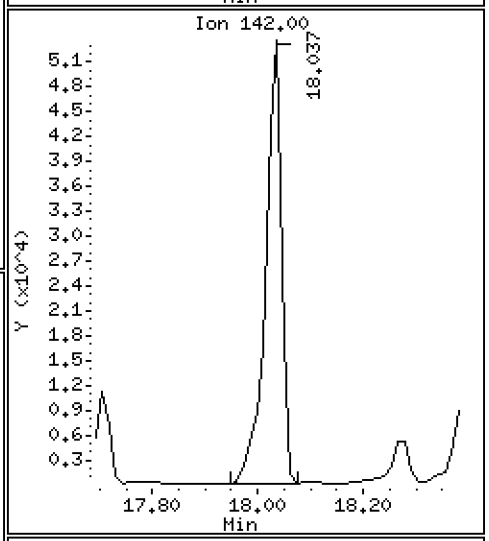


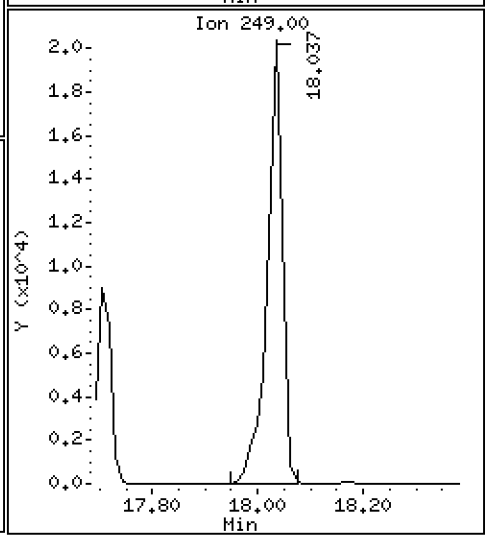












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

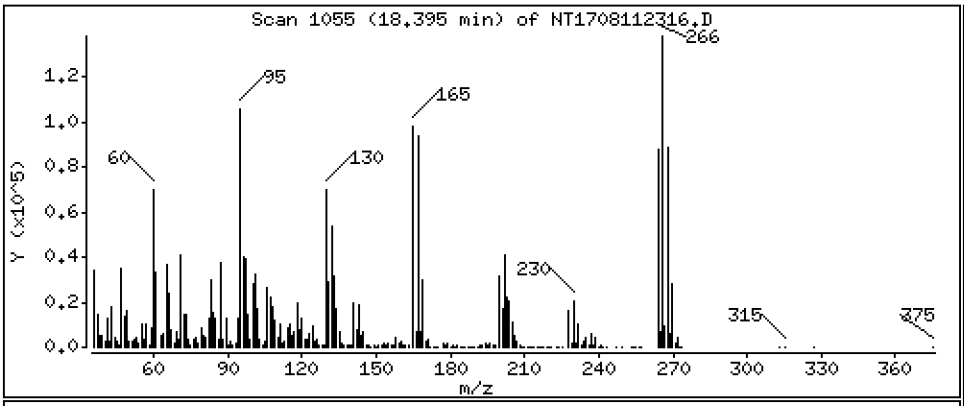
Operator: JGR

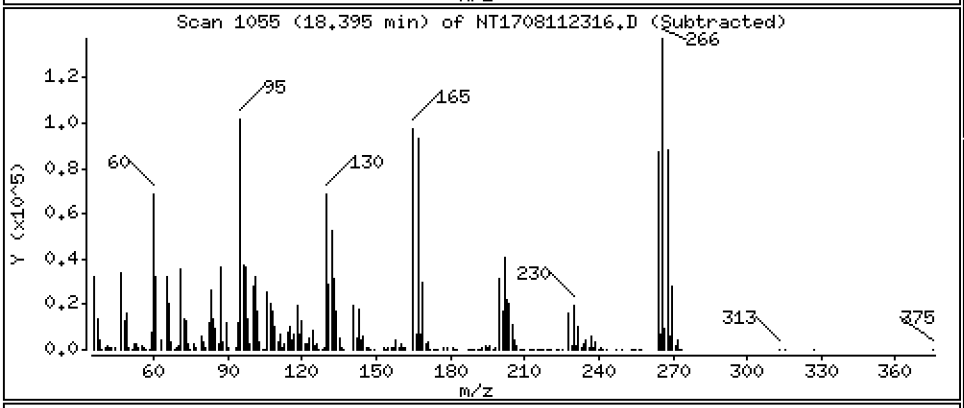
Column phase: ZB-5msi

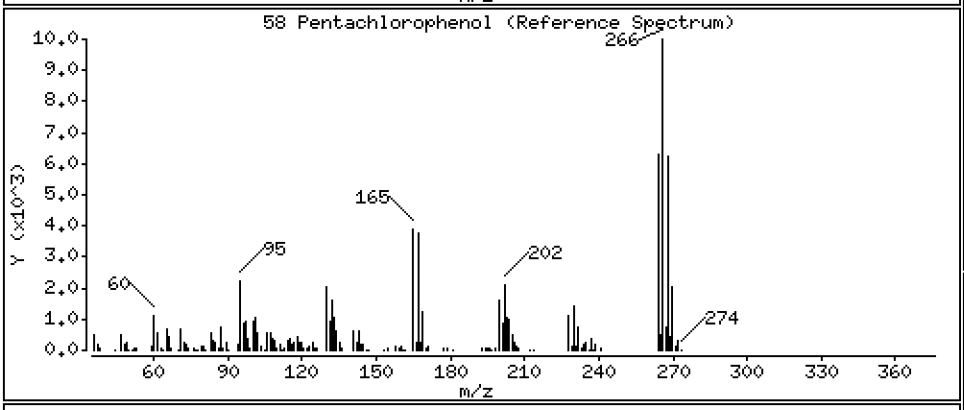
Column diameter: 0.25

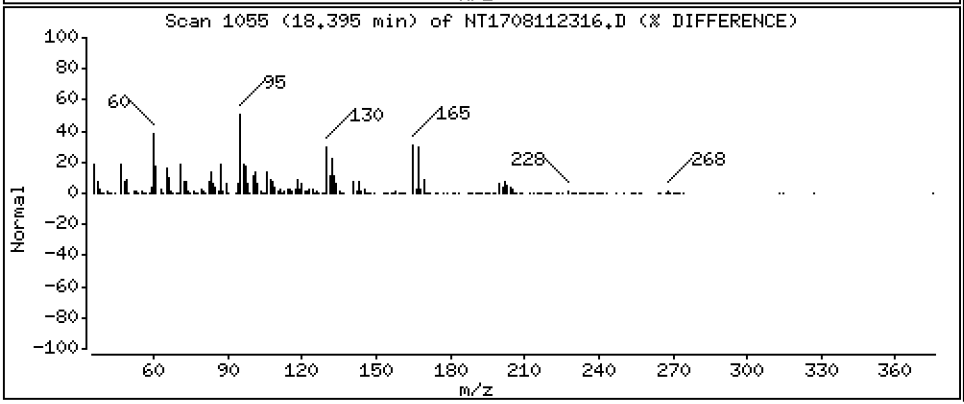
58 Pentachlorophenol

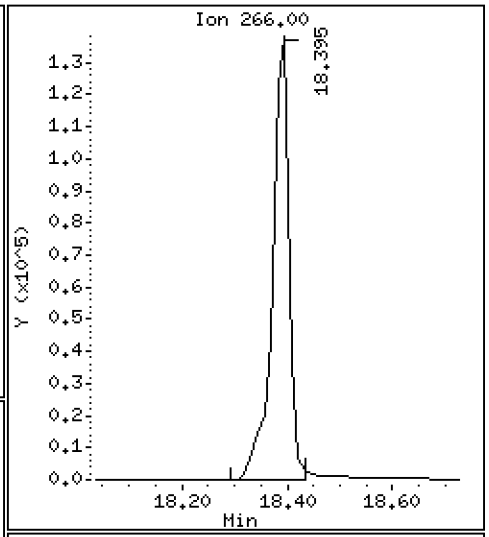
Concentration: 14.11 ug/mL

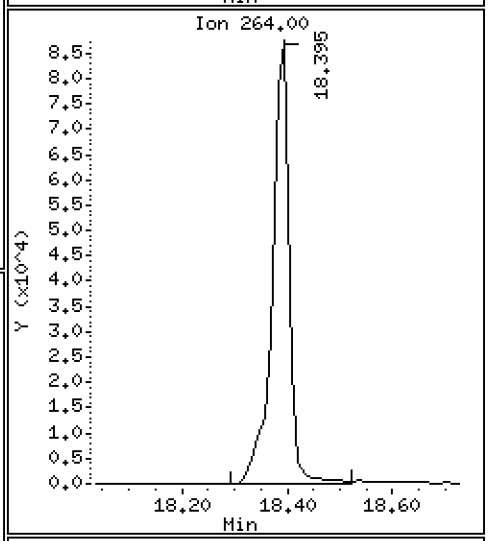


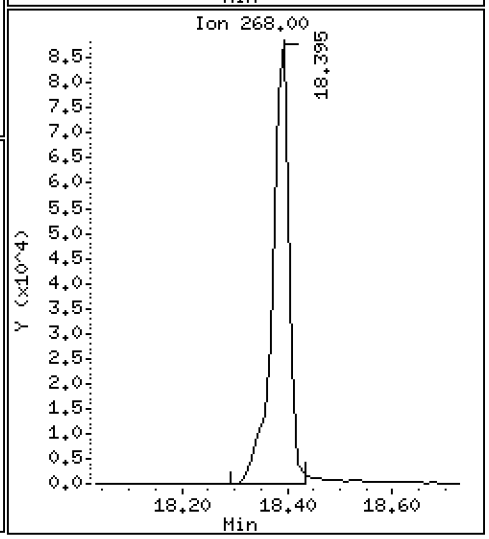












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

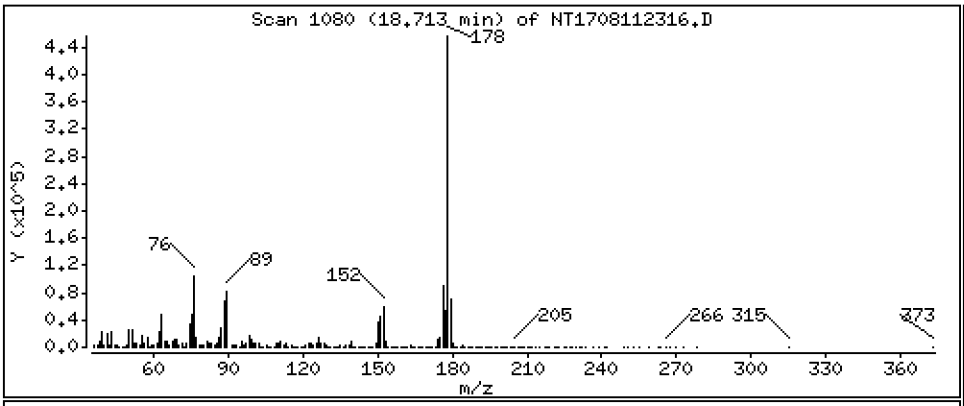
Operator: JGR

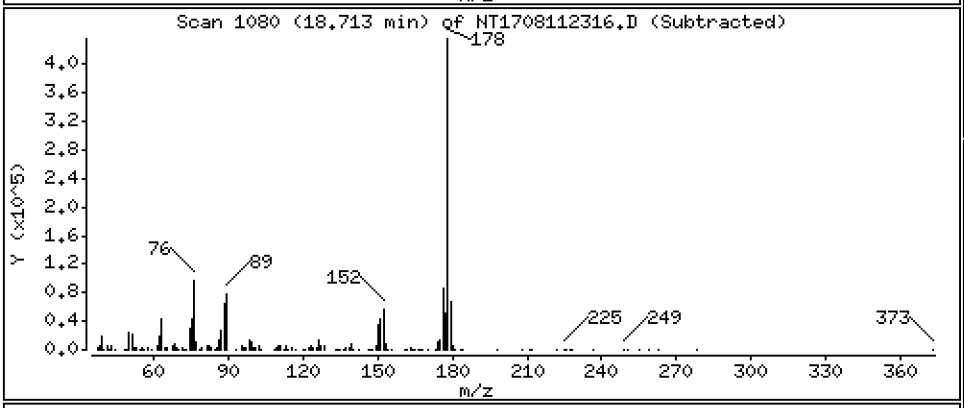
Column phase: ZB-5msi

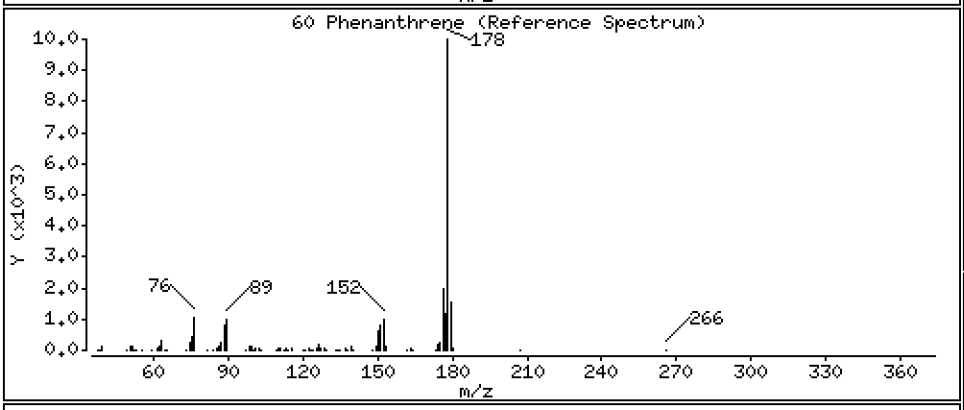
Column diameter: 0.25

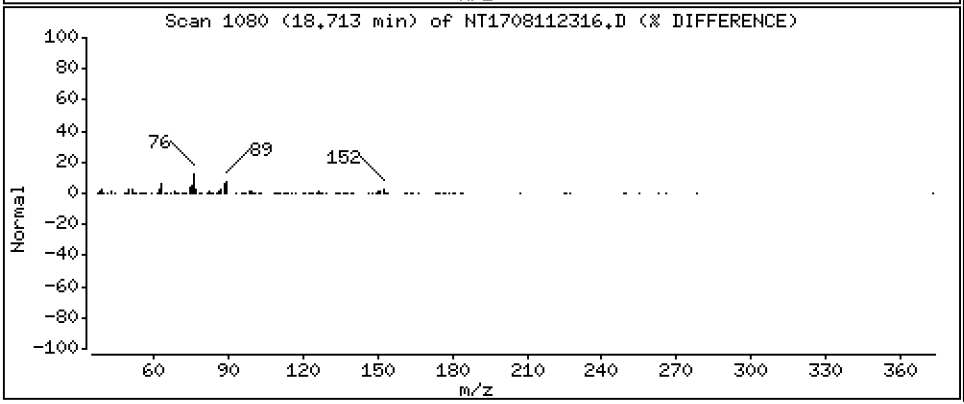
60 Phenanthrene

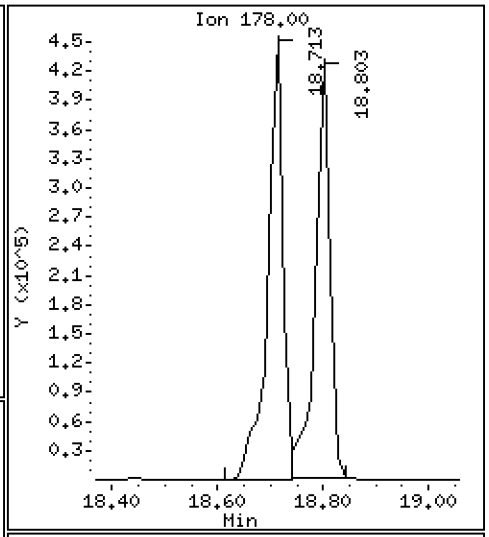
Concentration: 4.261 ug/mL

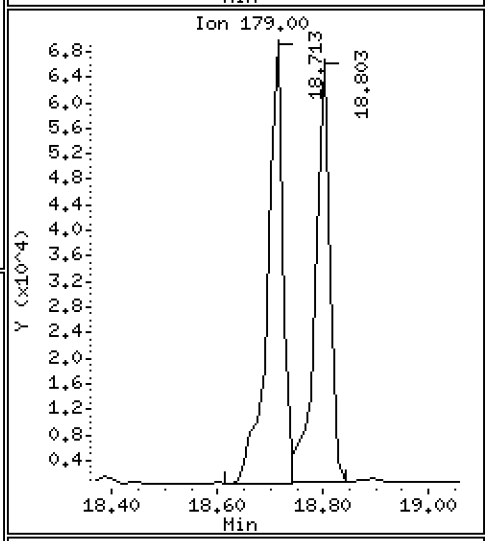


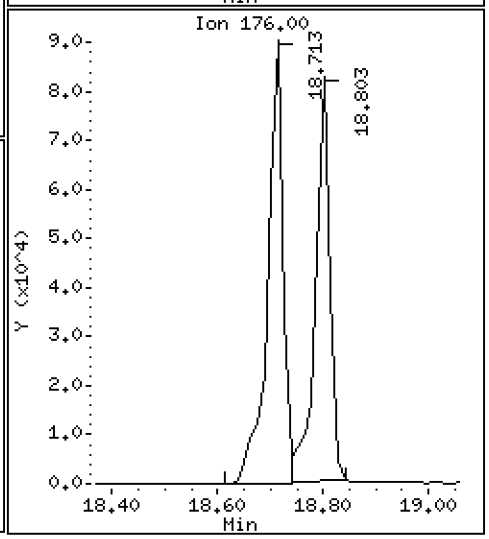












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

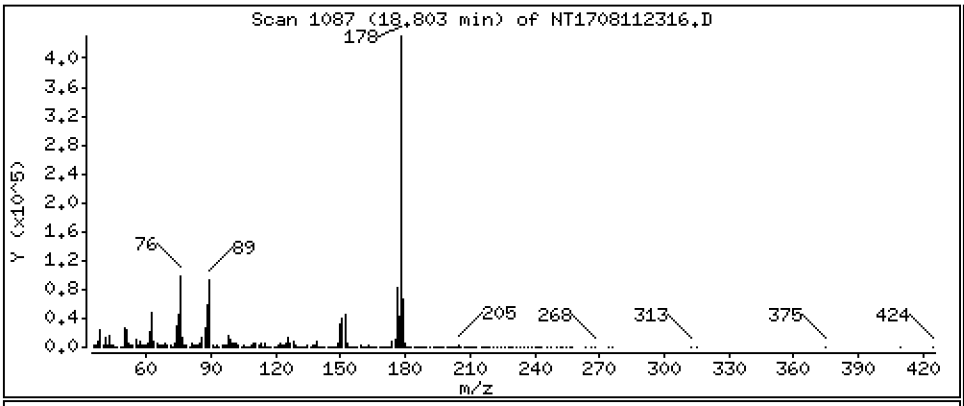
Operator: JGR

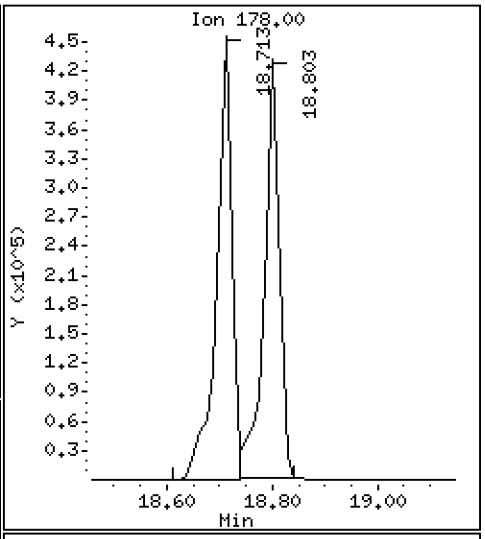
Column phase: ZB-5msi

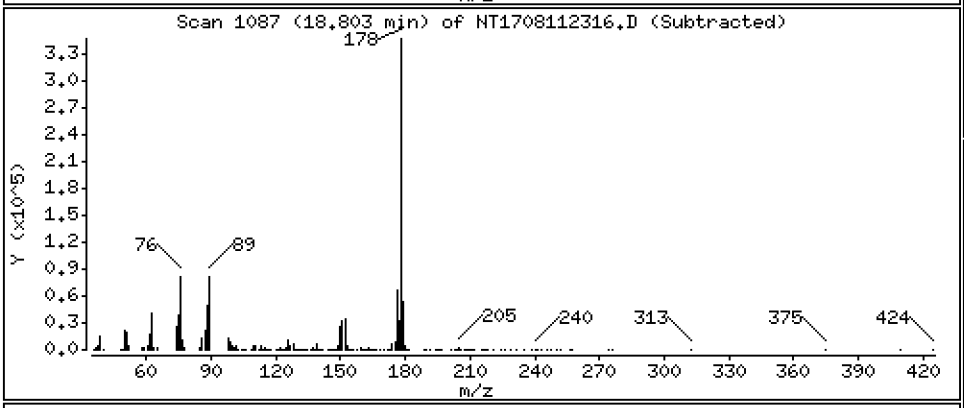
Column diameter: 0.25

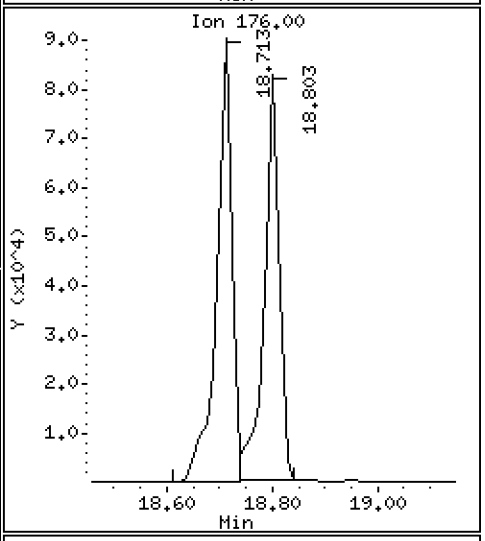
61 Anthracene

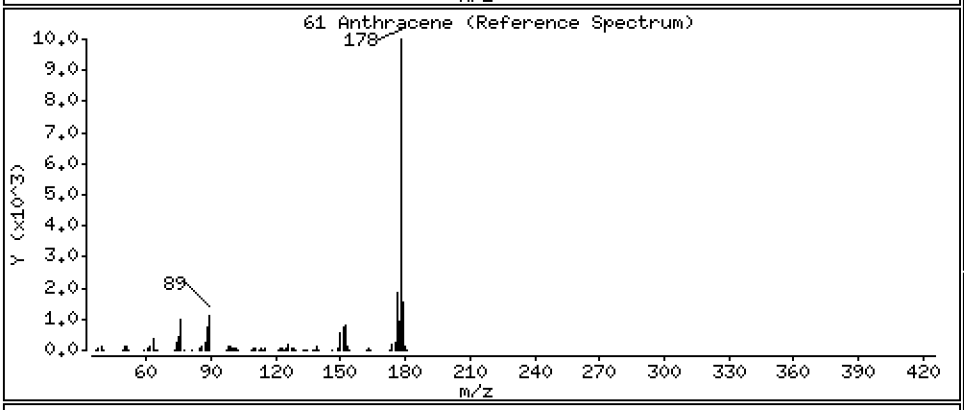
Concentration: 4.365 ug/mL

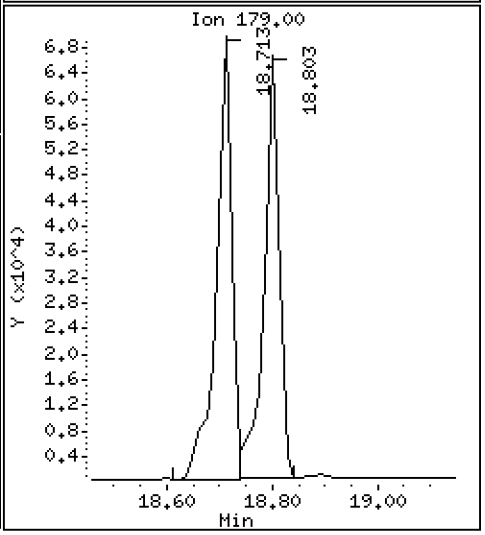


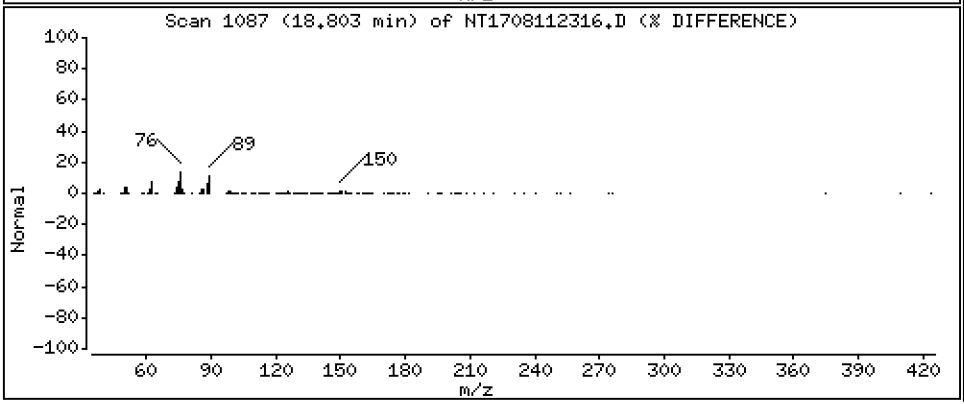












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

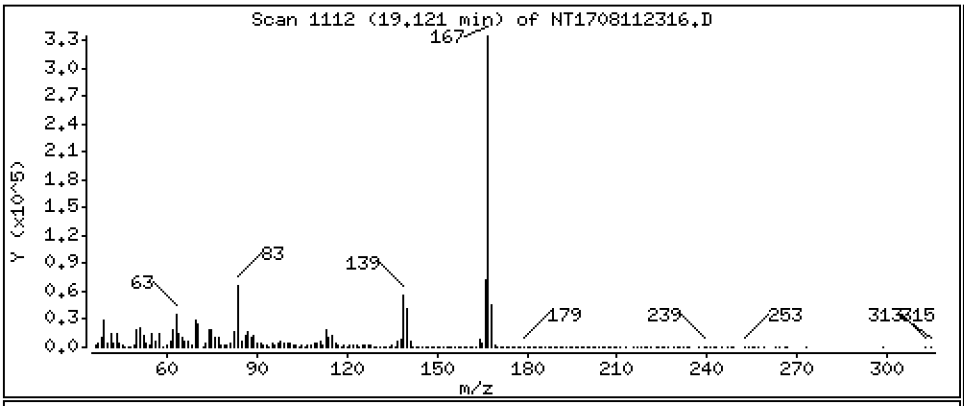
Operator: JGR

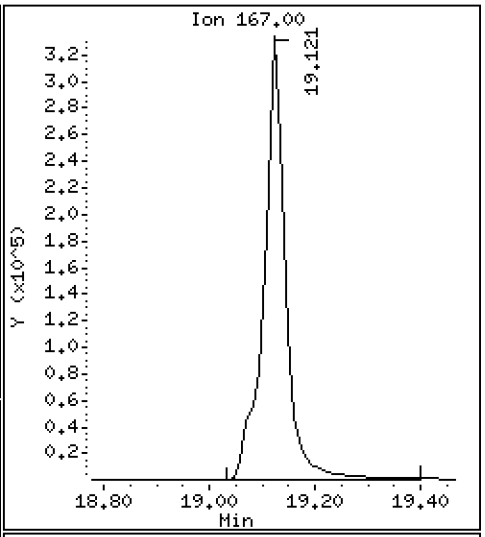
Column phase: ZB-5msi

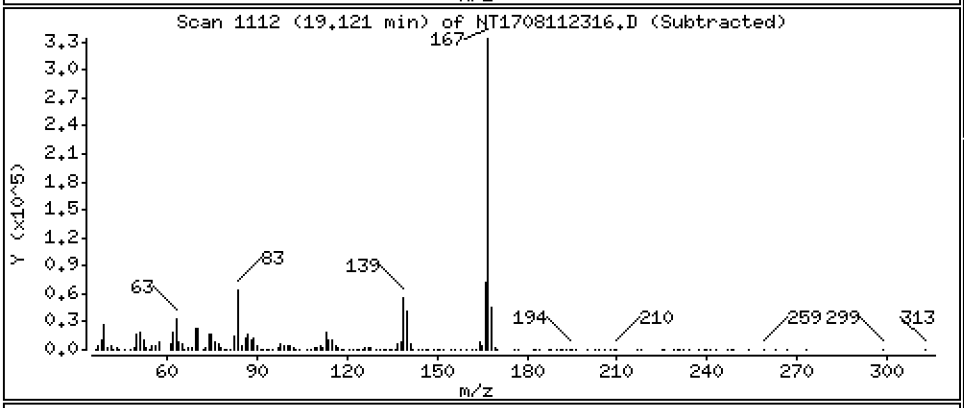
Column diameter: 0.25

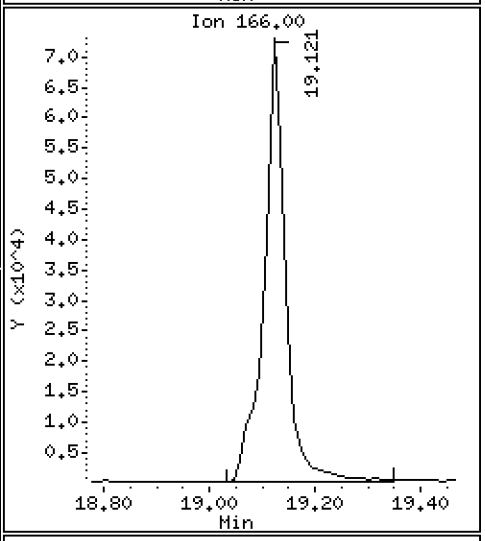
62 Carbazole

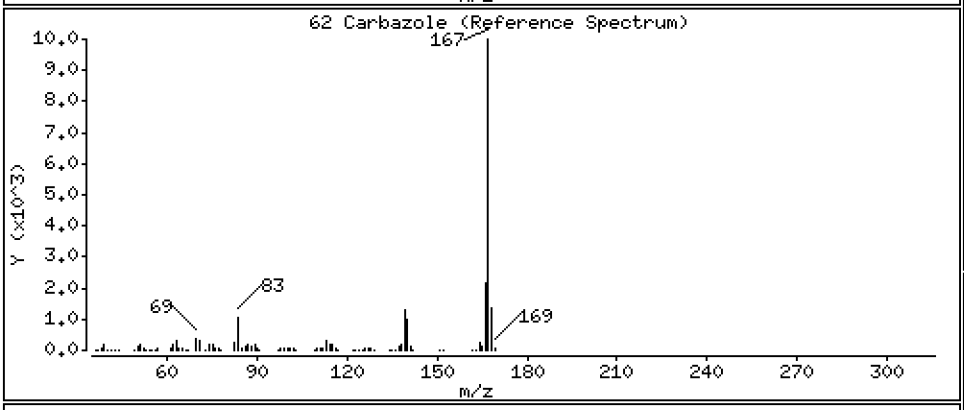
Concentration: 4.659 ug/mL

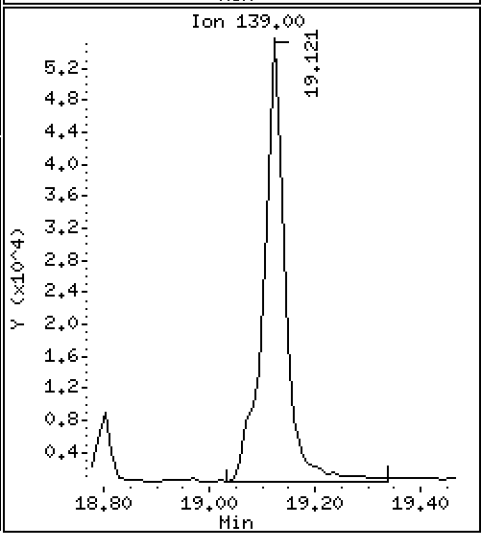


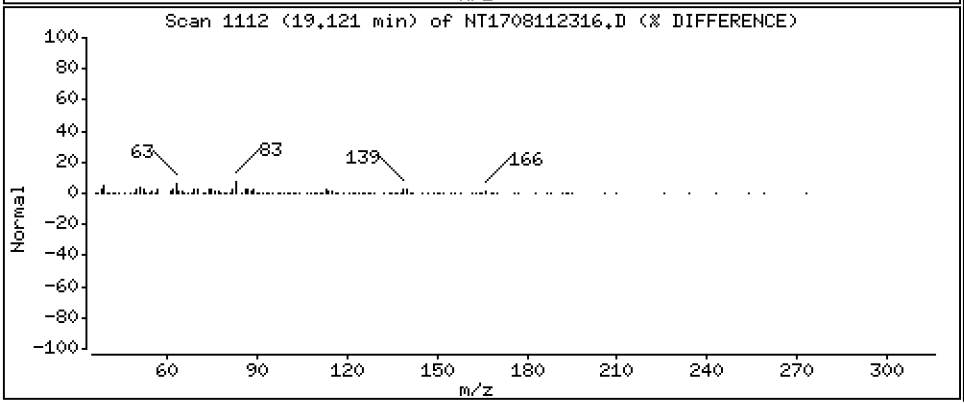












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

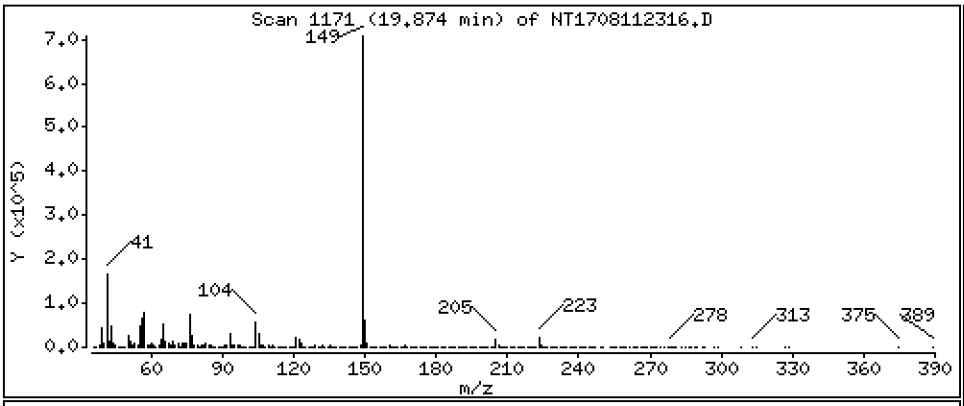
Operator: JGR

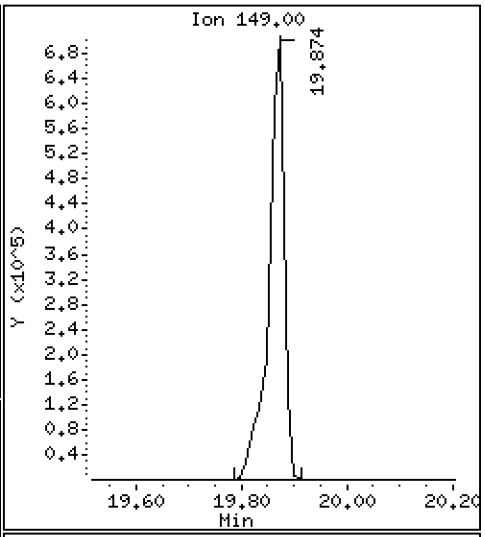
Column phase: ZB-5msi

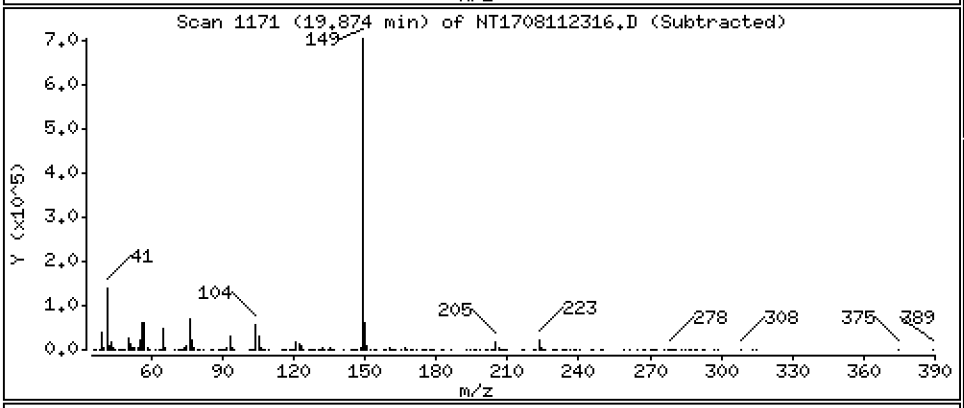
Column diameter: 0.25

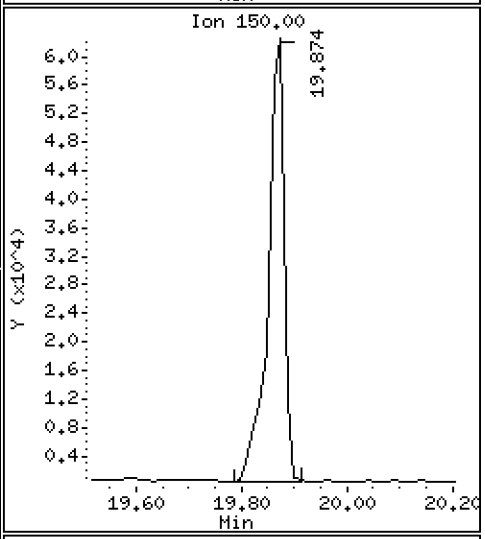
63 Di-n-butylphthalate

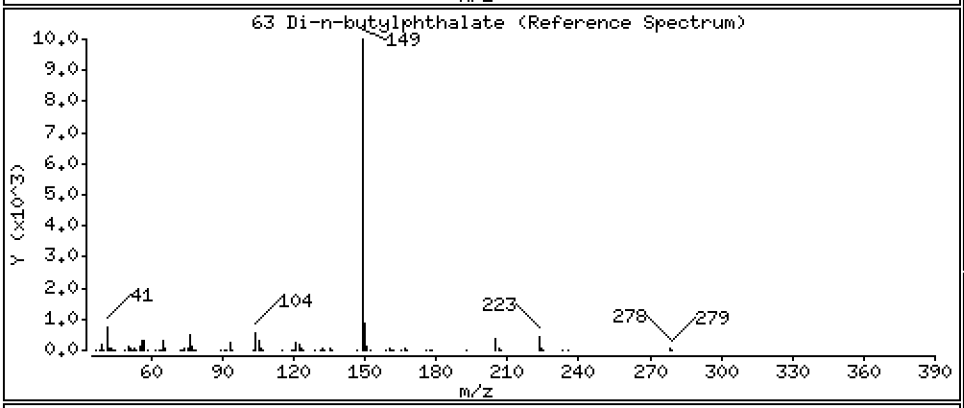
Concentration: 3.941 ug/mL

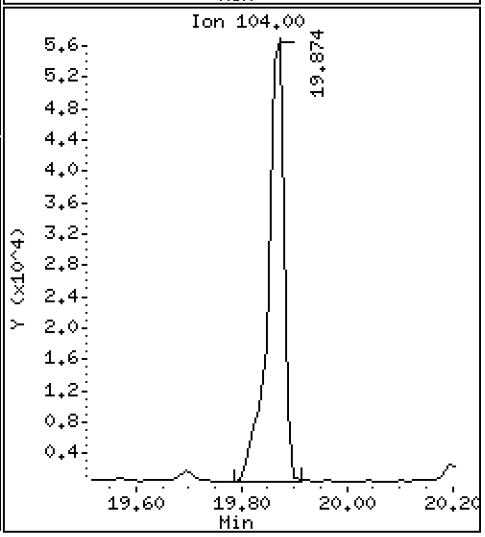


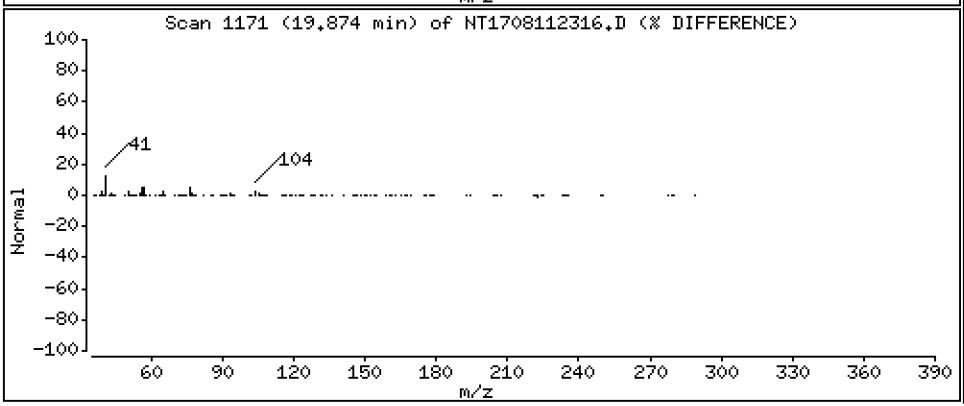












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

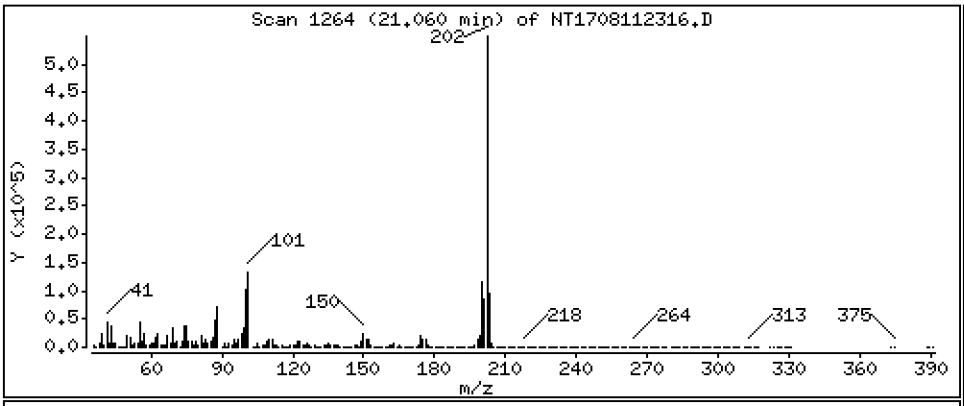
Operator: JGR

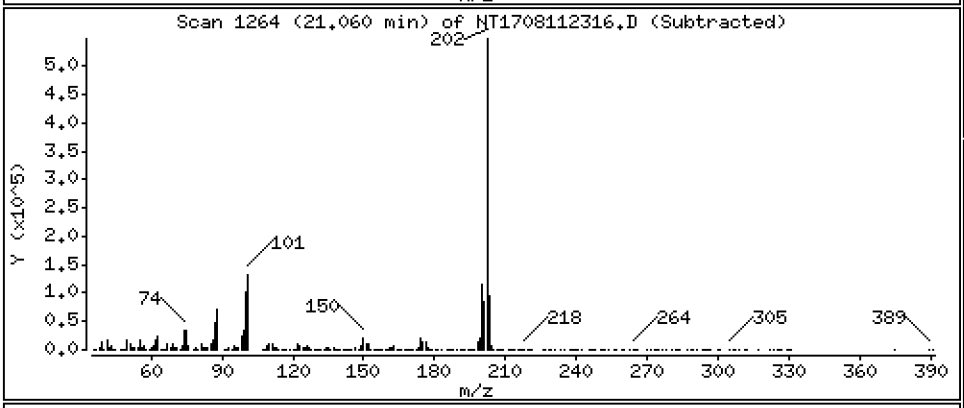
Column phase: ZB-5msi

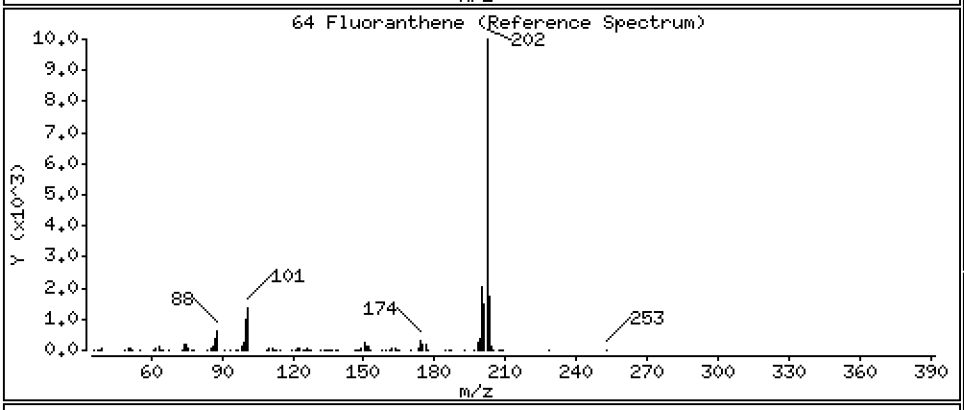
Column diameter: 0.25

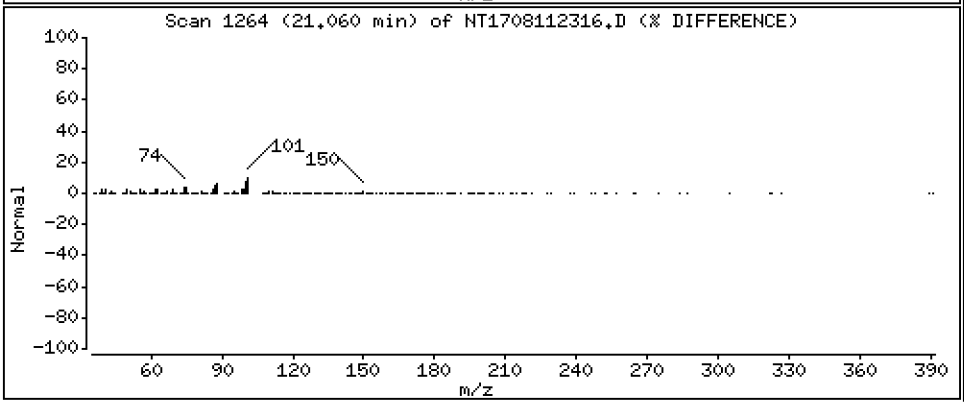
64 Fluoranthene

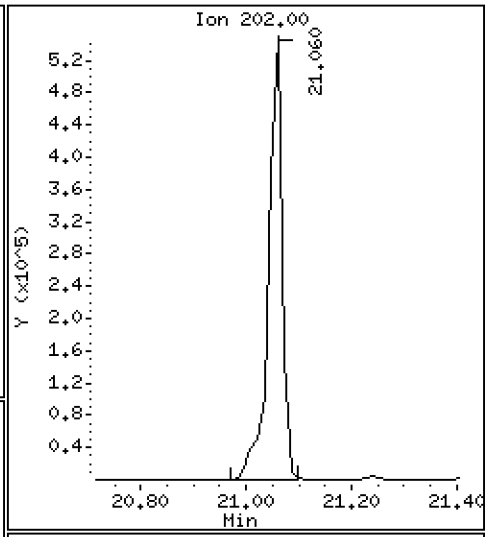
Concentration: 4.792 ug/mL

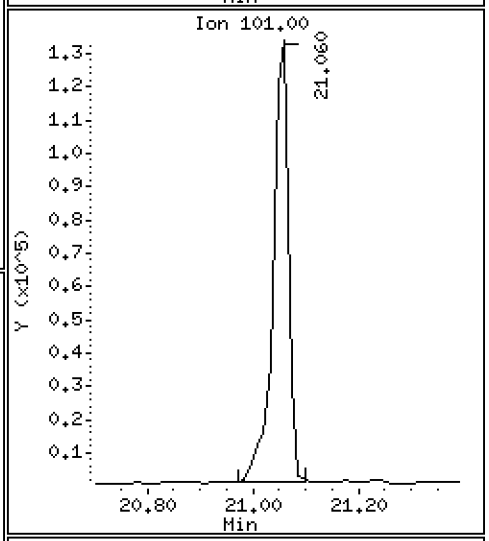


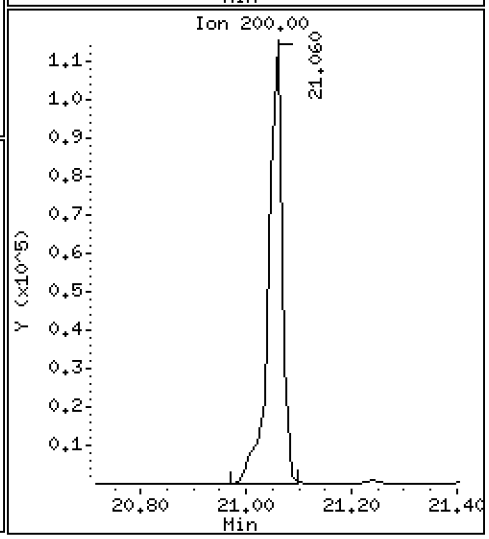












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

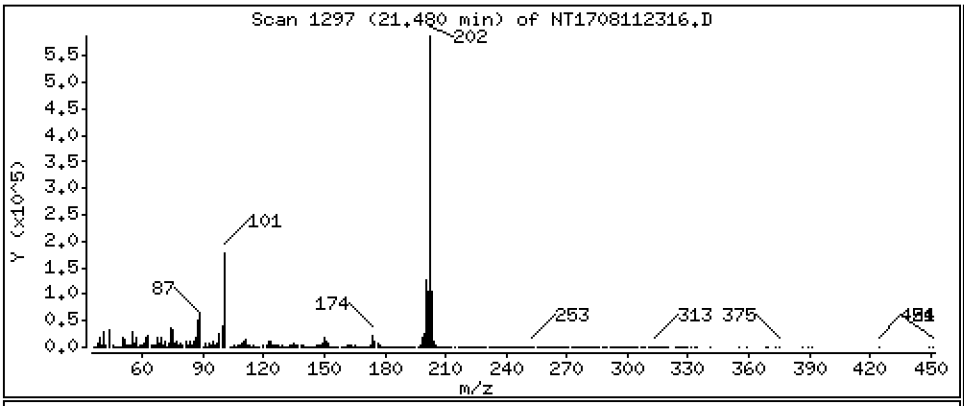
Operator: JGR

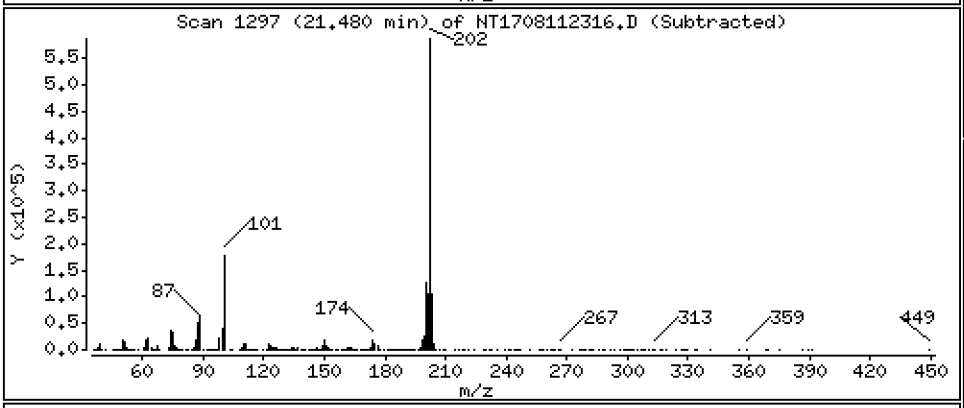
Column phase: ZB-5msi

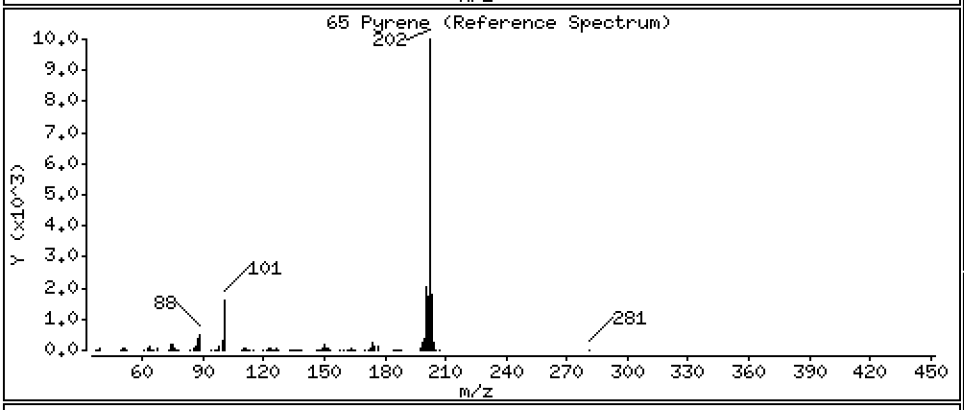
Column diameter: 0.25

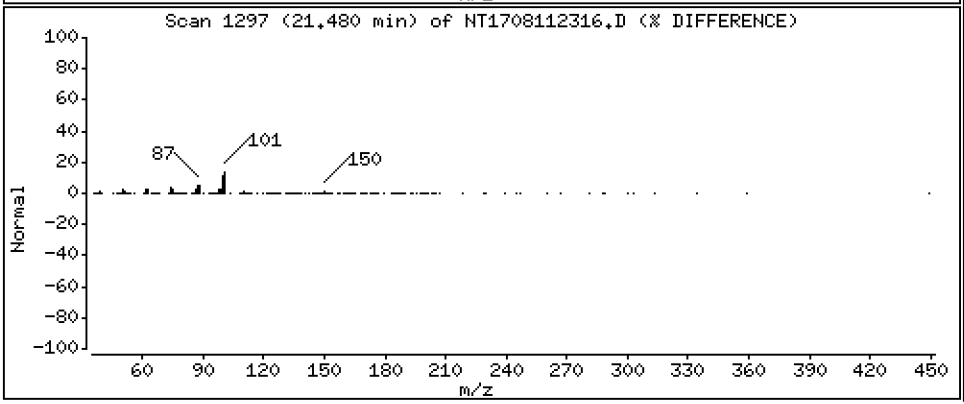
65 Pyrene

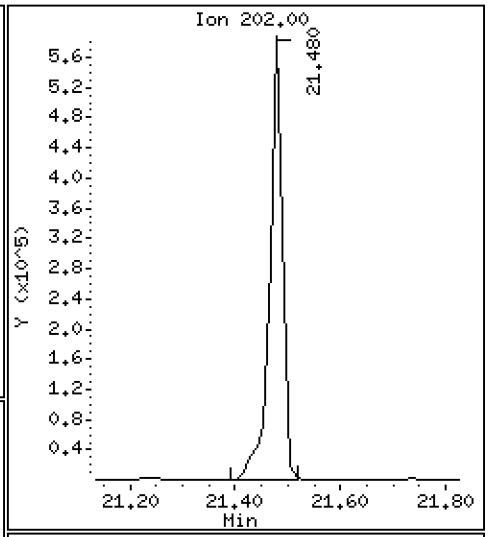
Concentration: 4.595 ug/mL

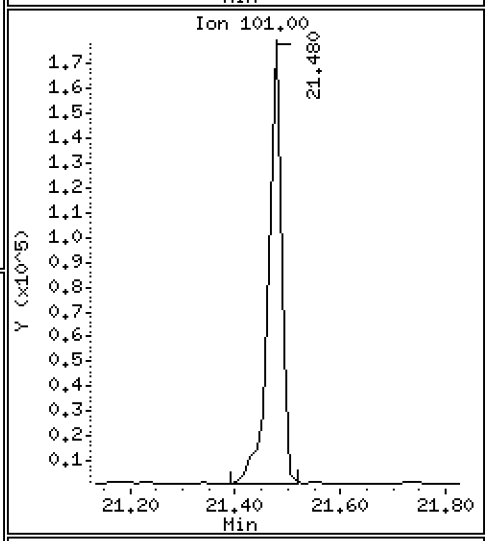


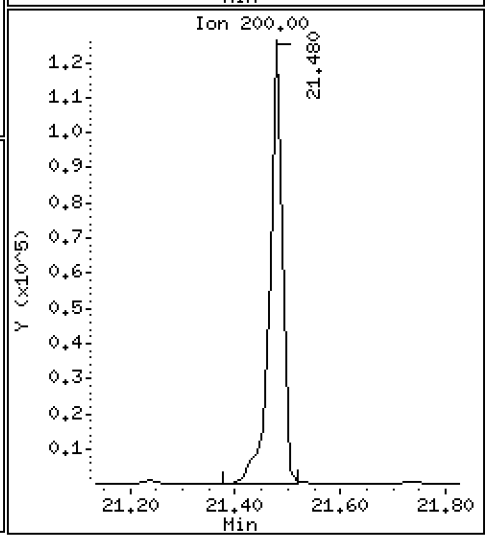












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

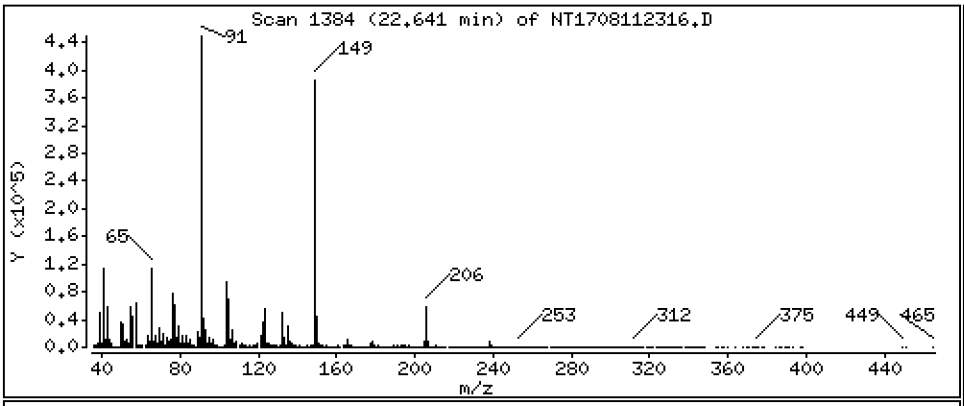
Operator: JGR

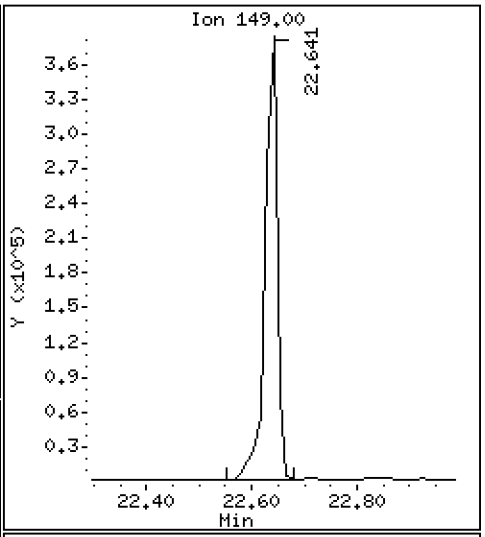
Column phase: ZB-5msi

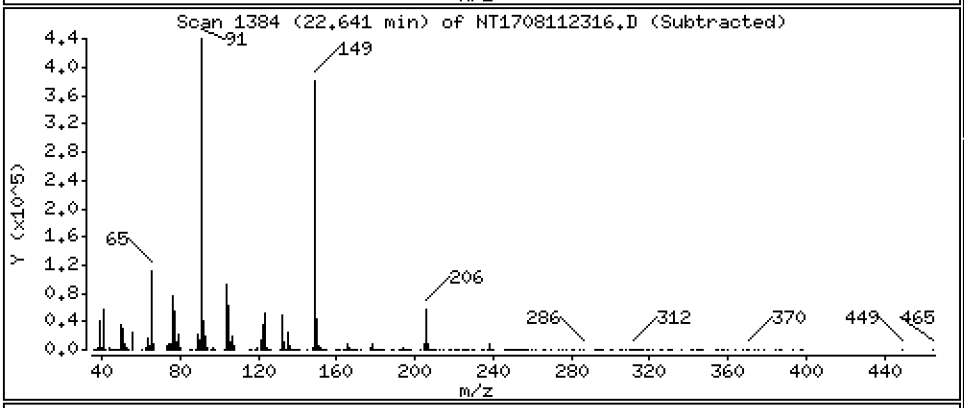
Column diameter: 0.25

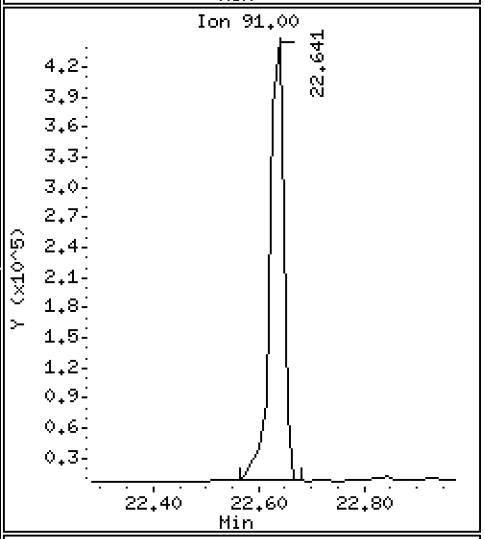
67 Butylbenzylphthalate

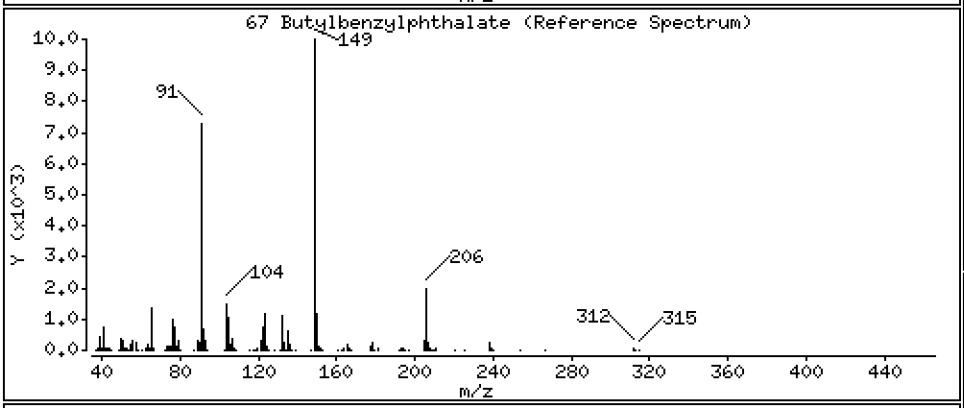
Concentration: 4.257 ug/mL

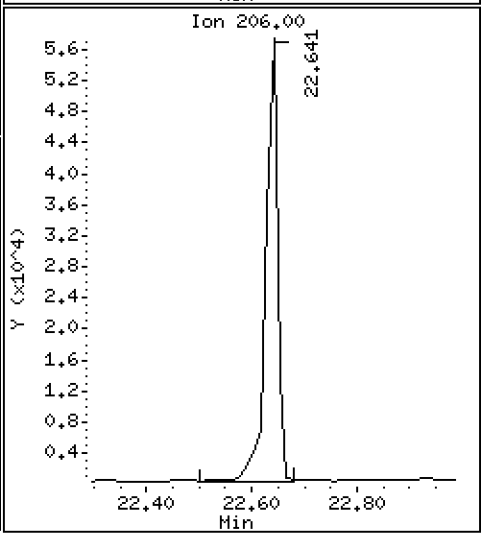


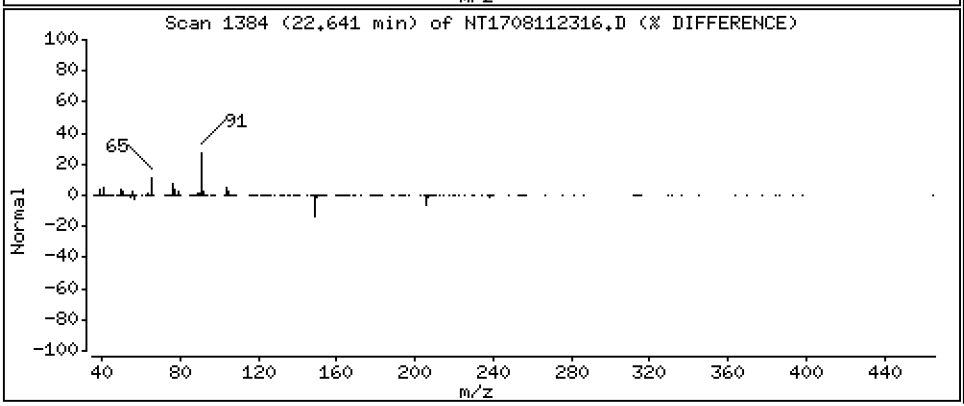












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

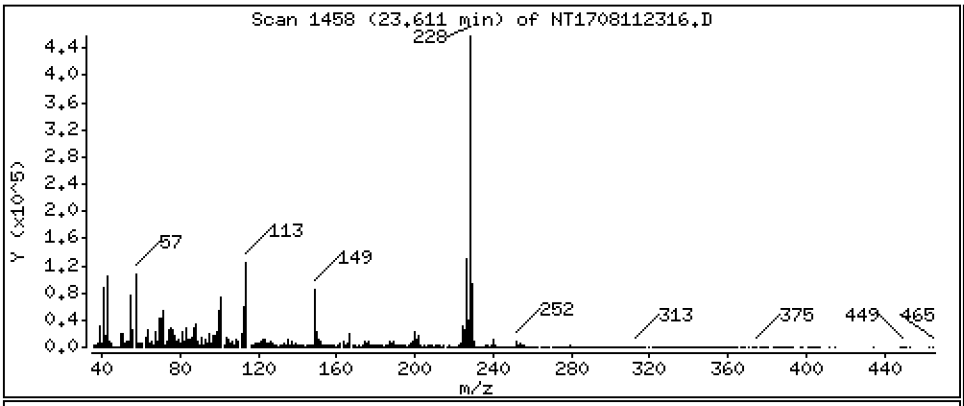
Operator: JGR

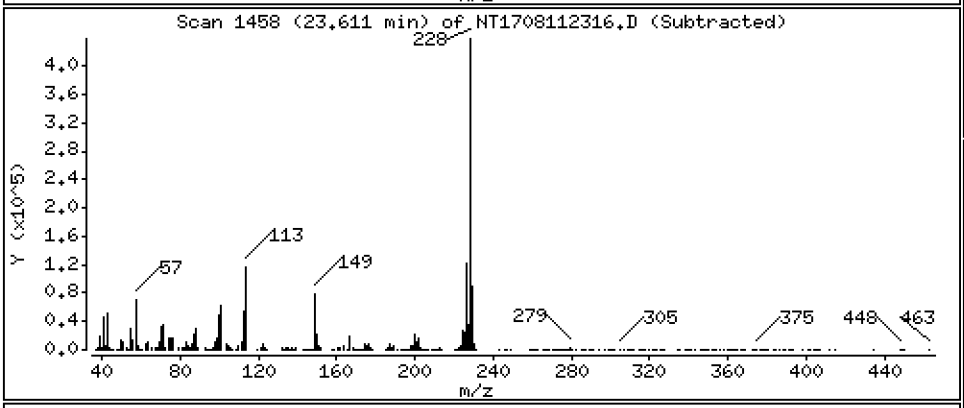
Column phase: ZB-5msi

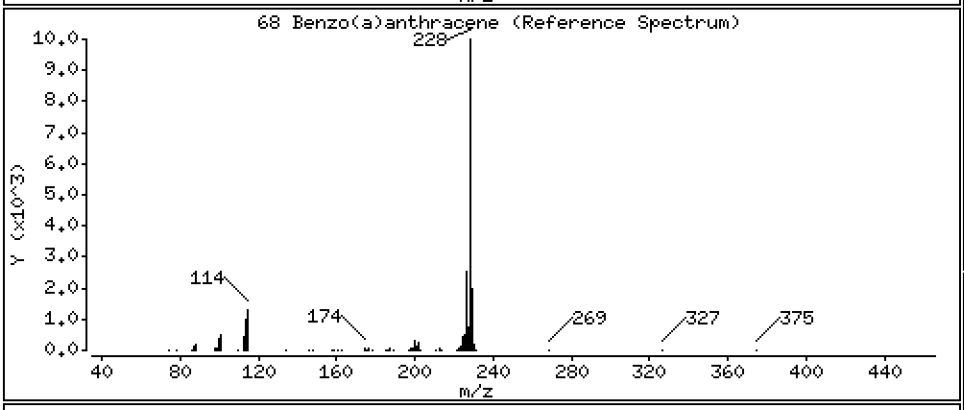
Column diameter: 0.25

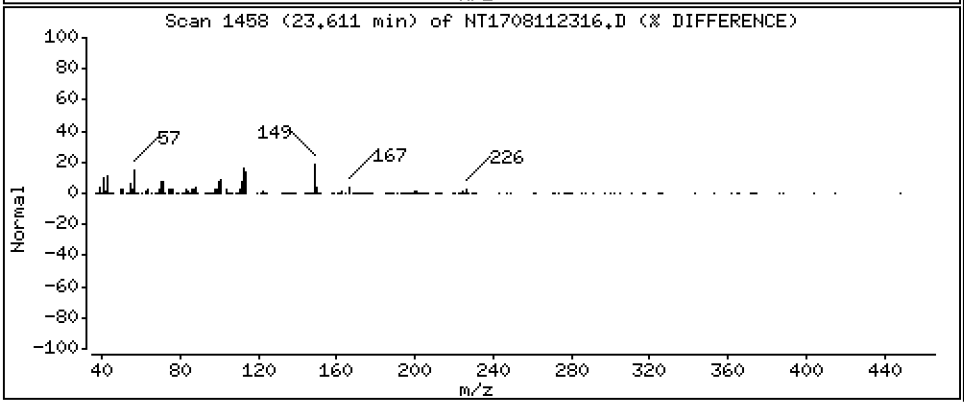
68 Benzo(a)anthracene

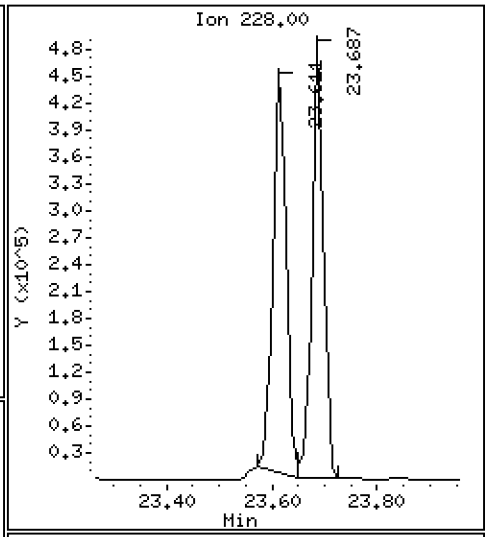
Concentration: 3.963 ug/mL

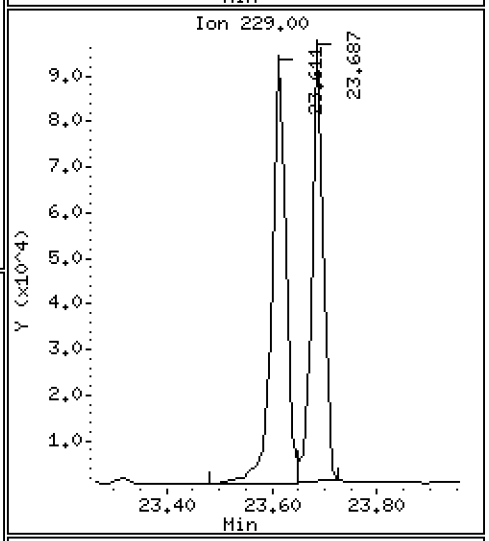


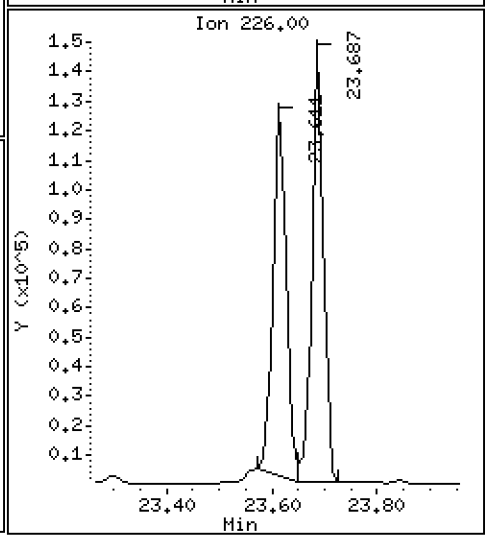












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

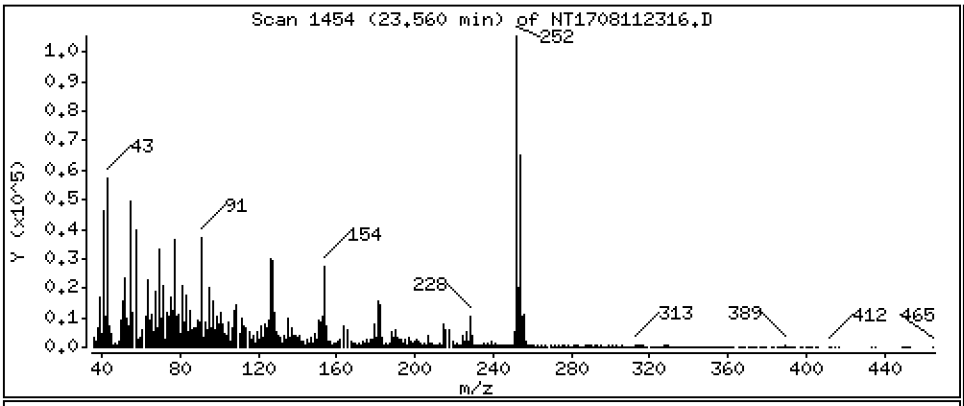
Operator: JGR

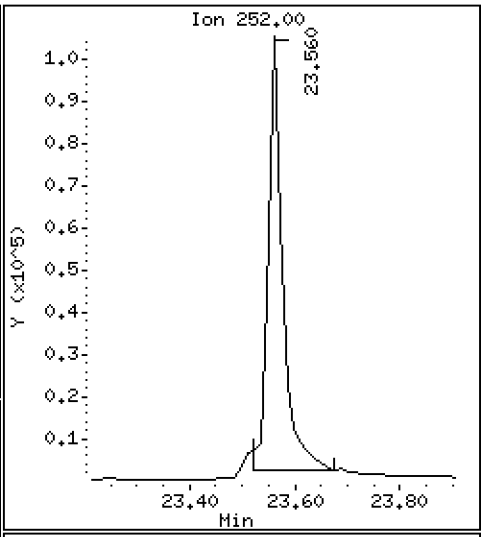
Column phase: ZB-5msi

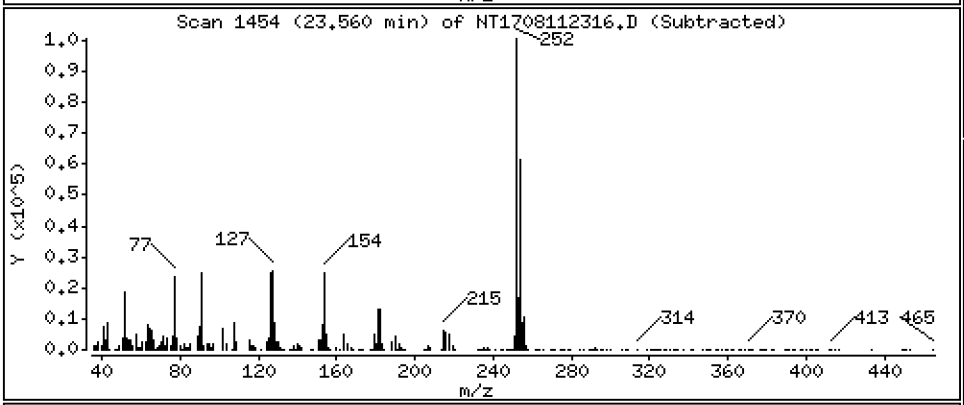
Column diameter: 0.25

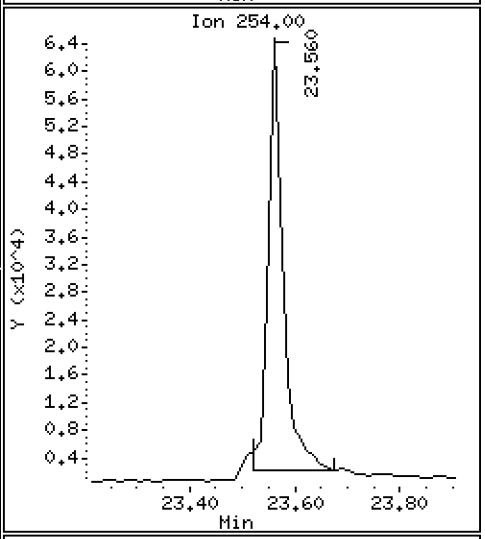
70 3,3'-Dichlorobenzidine

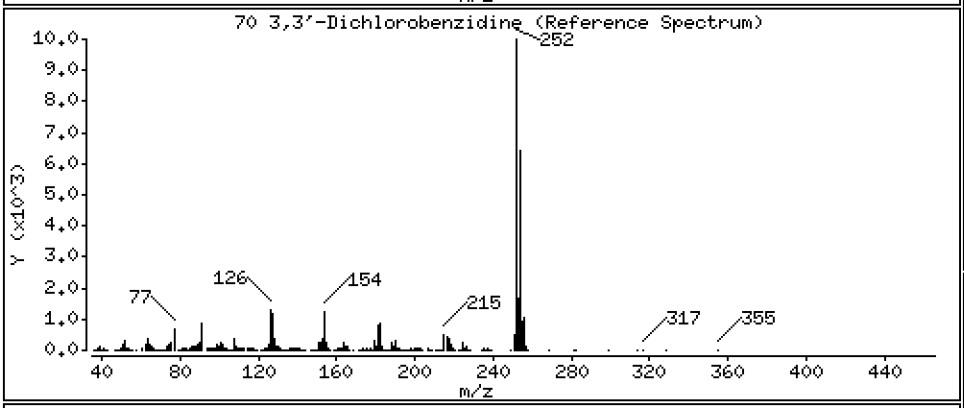
Concentration: 3.506 ug/mL

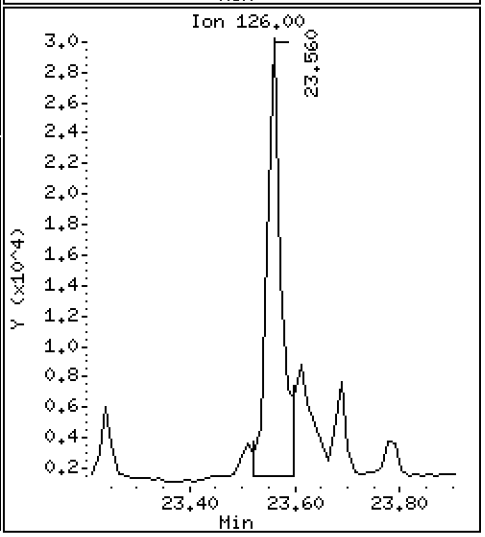


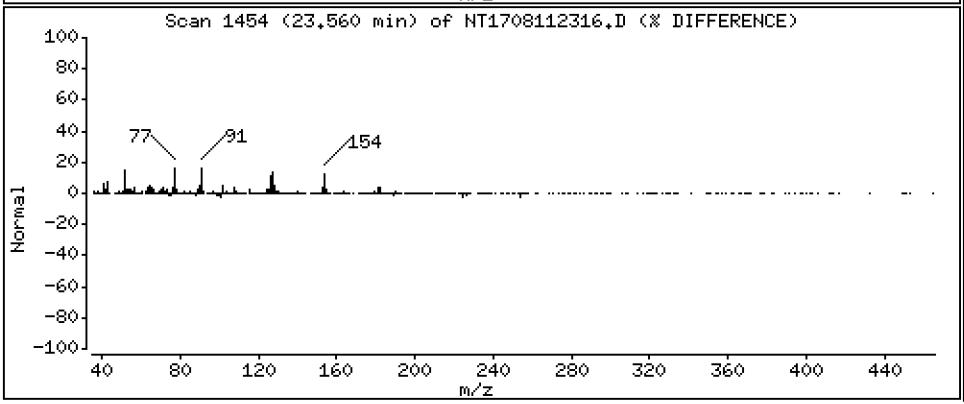












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

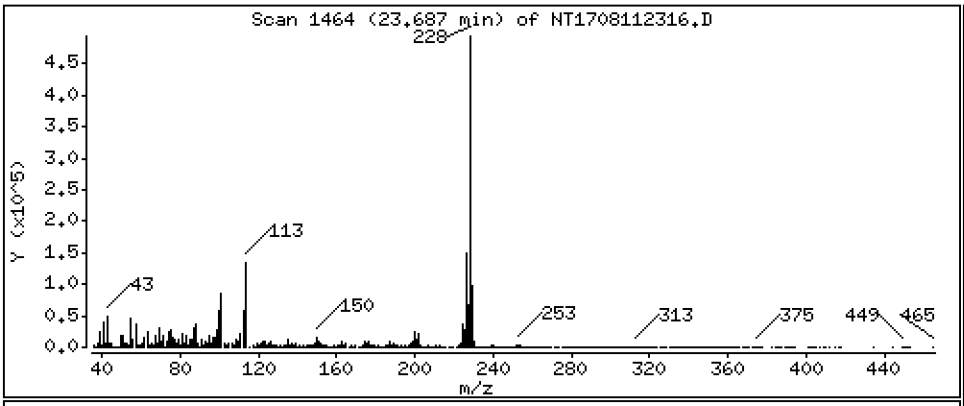
Operator: JGR

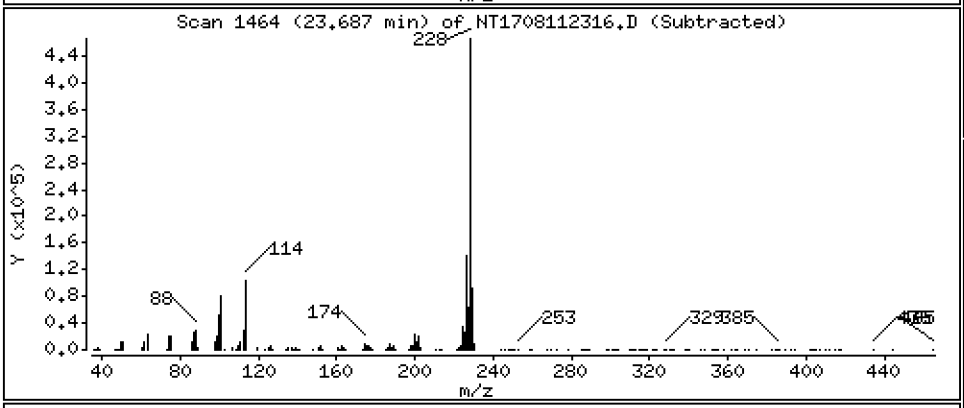
Column phase: ZB-5msi

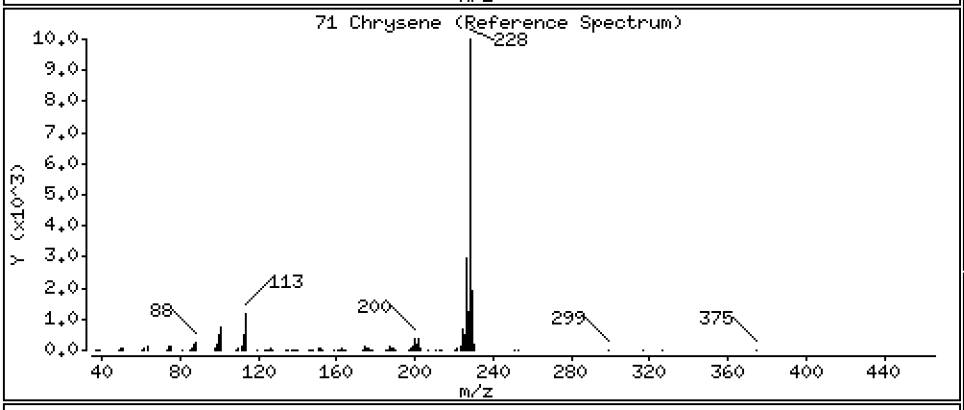
Column diameter: 0.25

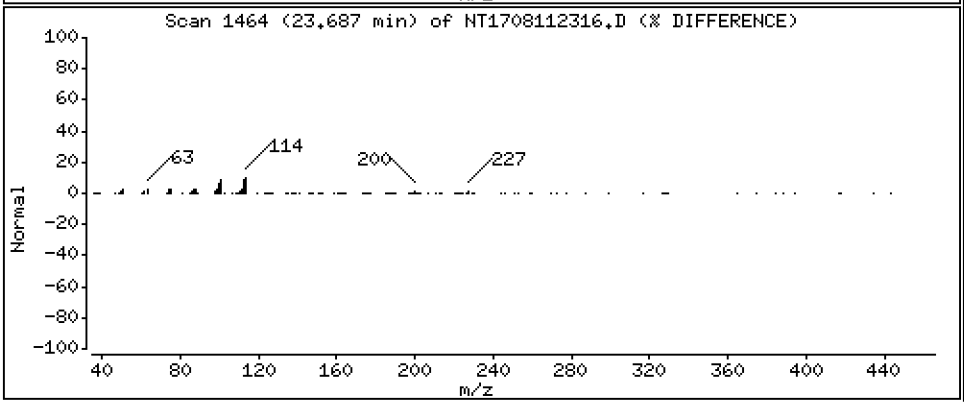
71 Chrysene

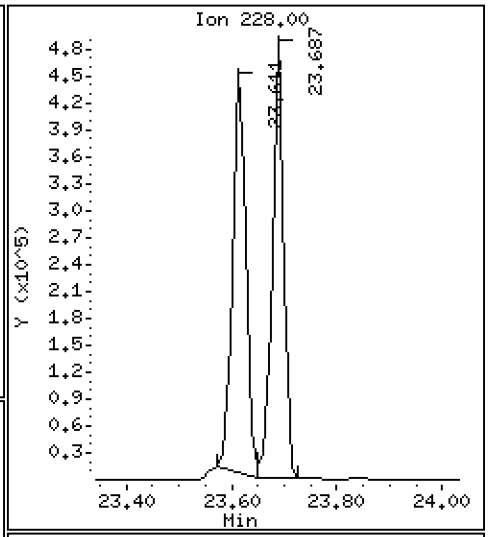
Concentration: 4.291 ug/mL

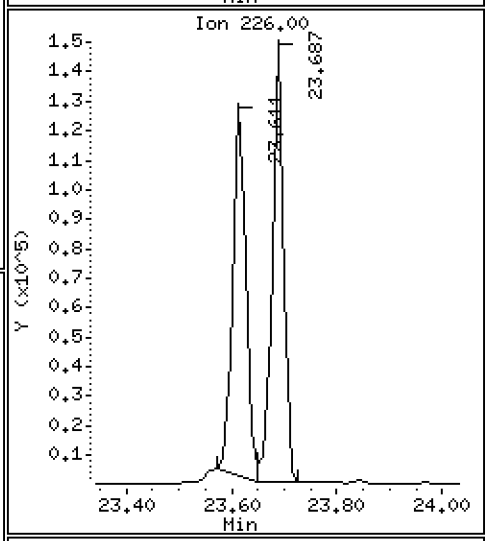


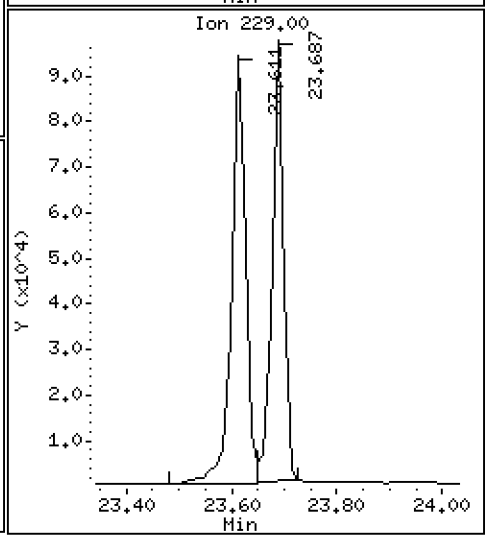












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

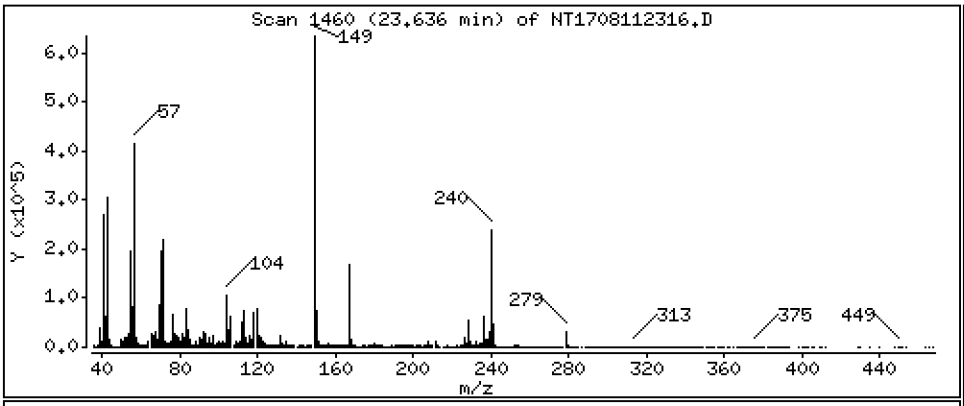
Operator: JGR

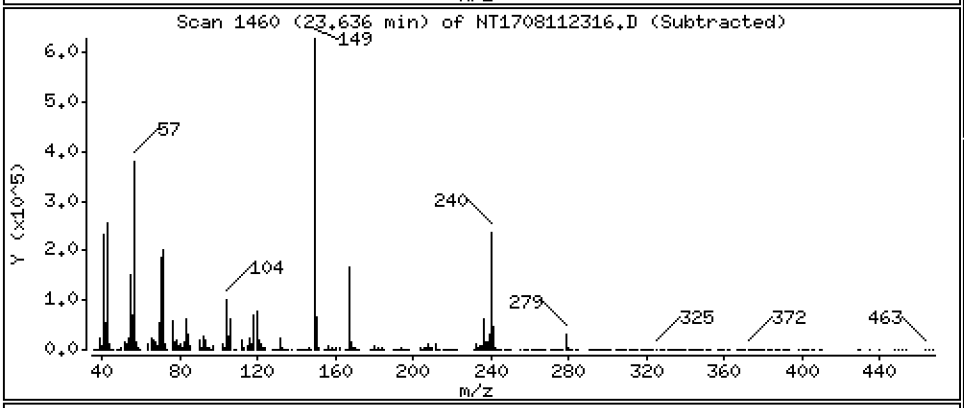
Column phase: ZB-5msi

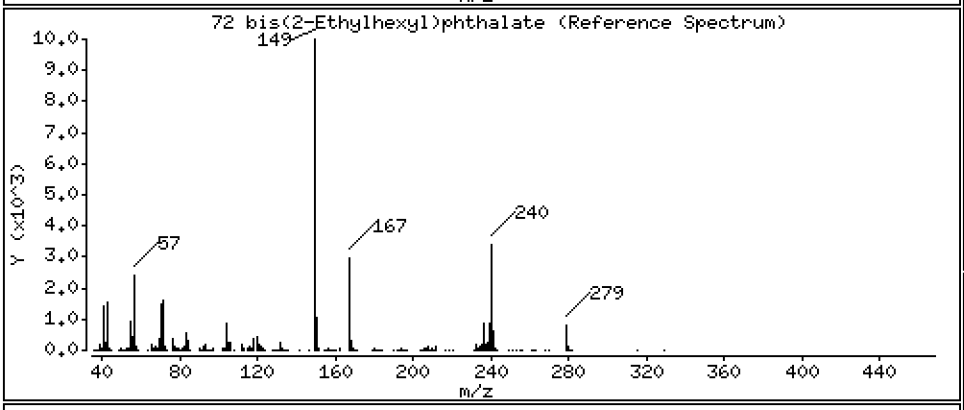
Column diameter: 0.25

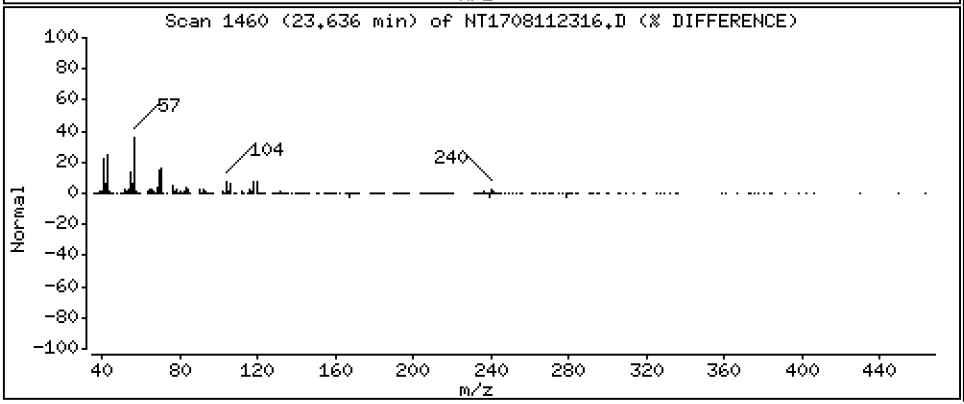
72 bis(2-Ethylhexyl)phthalate

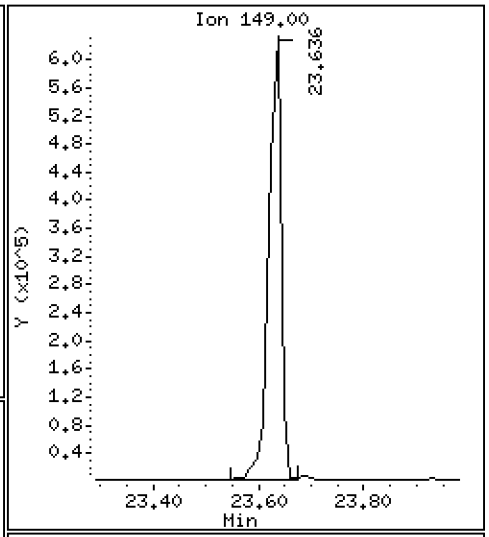
Concentration: 4.336 ug/mL

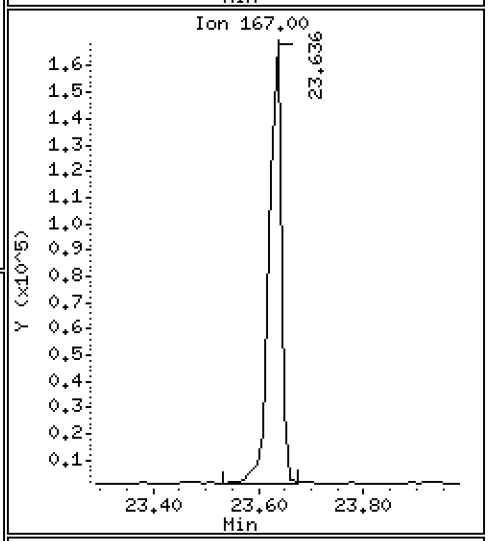


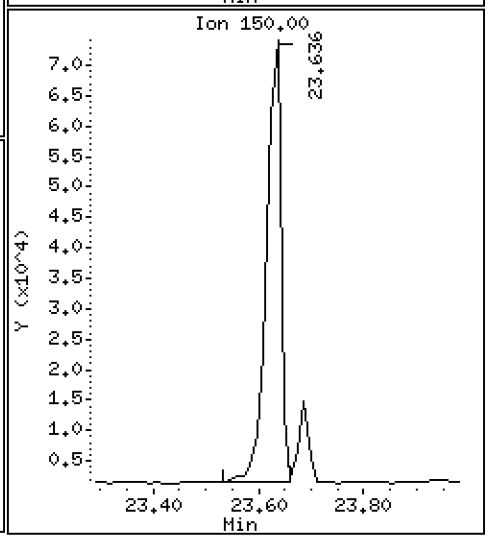












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

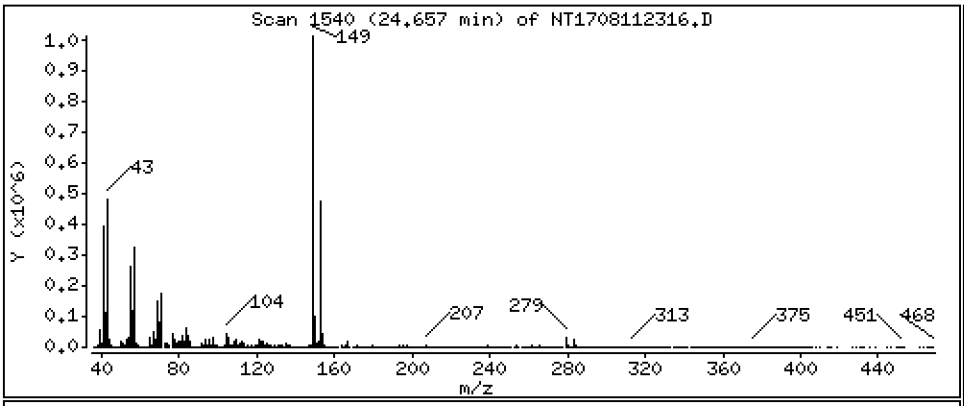
Operator: JGR

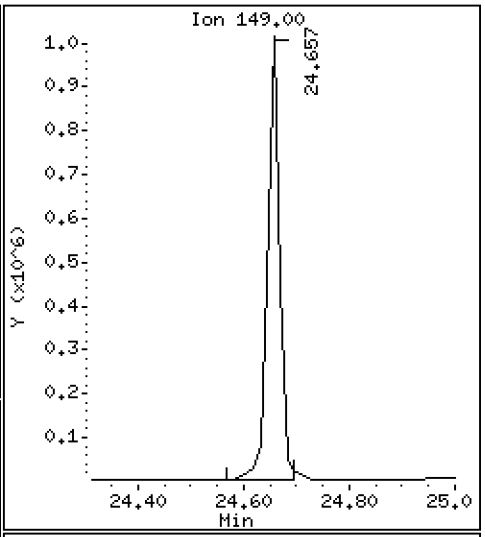
Column phase: ZB-5msi

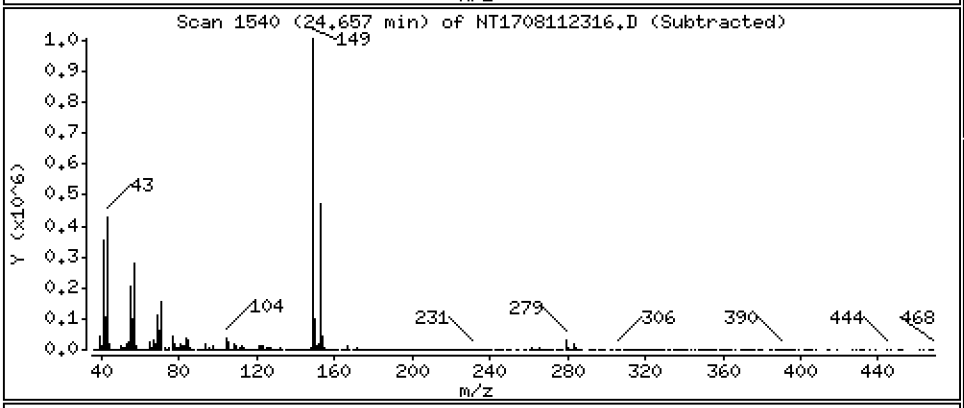
Column diameter: 0.25

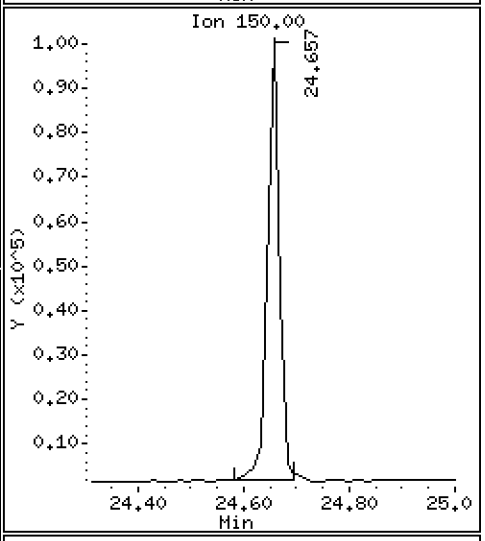
73 Di-n-octylphthalate

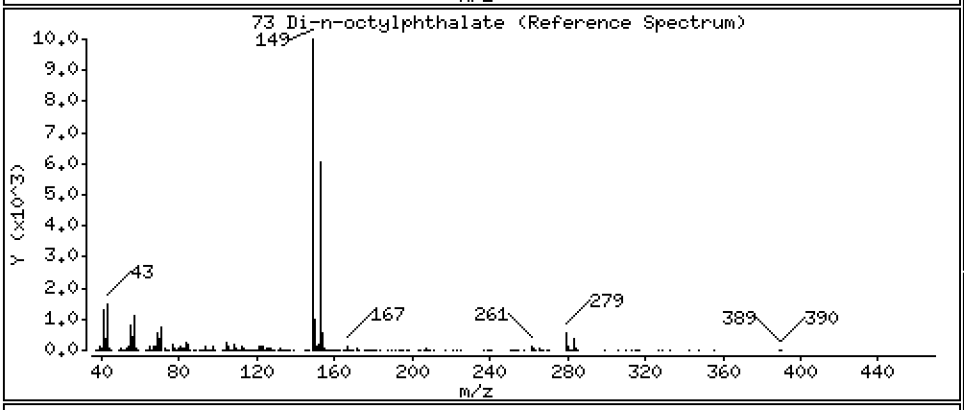
Concentration: 4.197 ug/mL

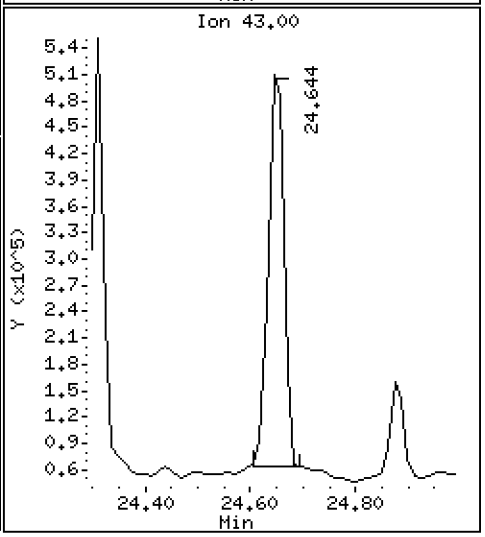


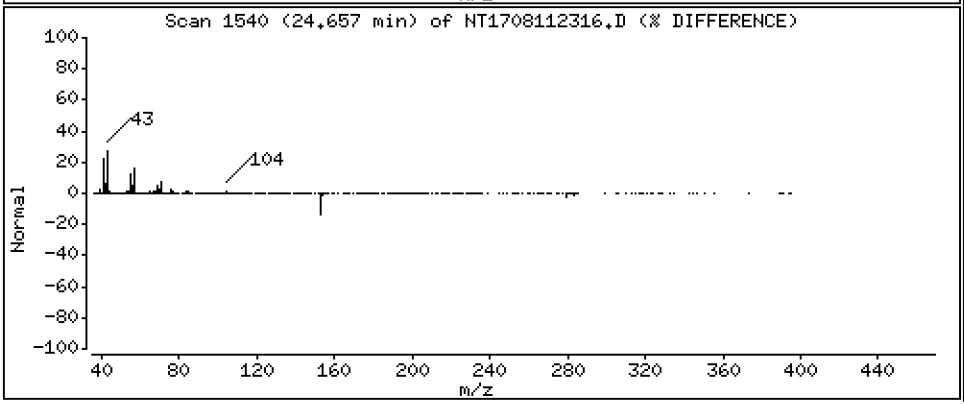












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

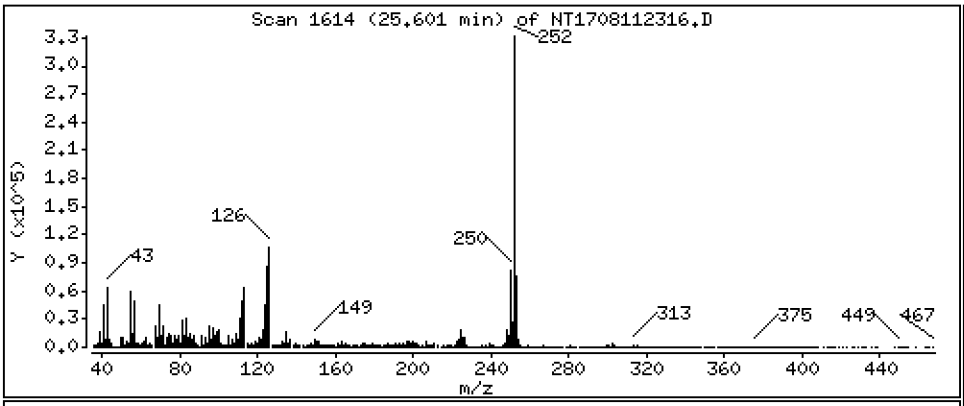
Operator: JGR

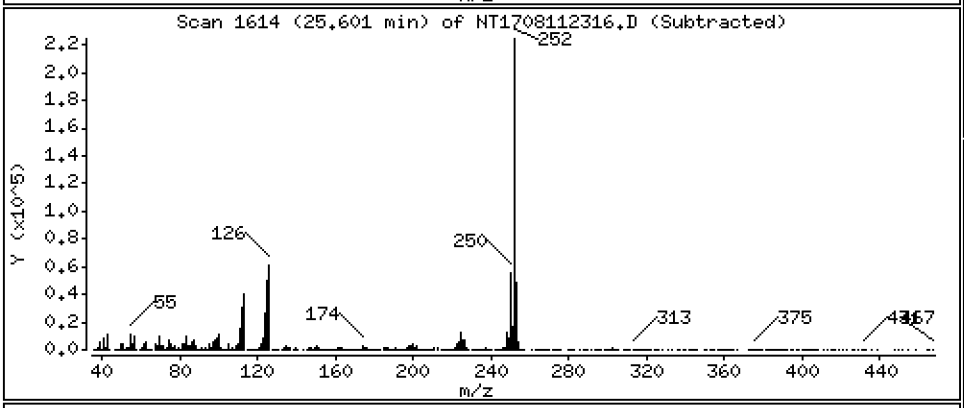
Column phase: ZB-5msi

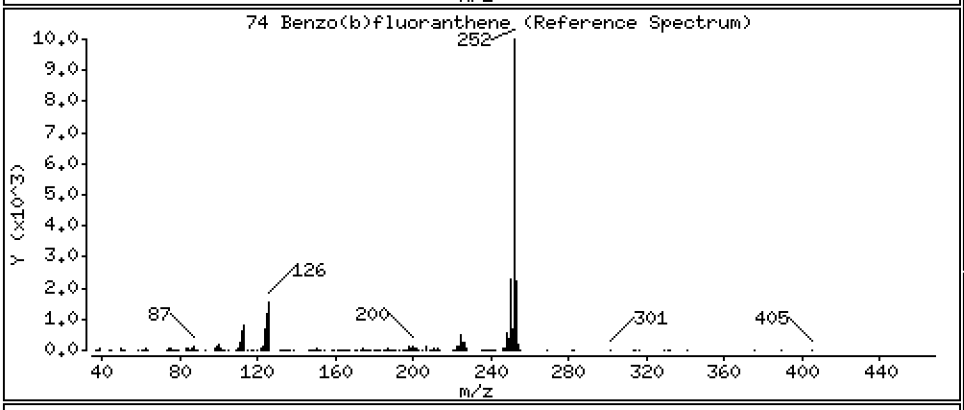
Column diameter: 0.25

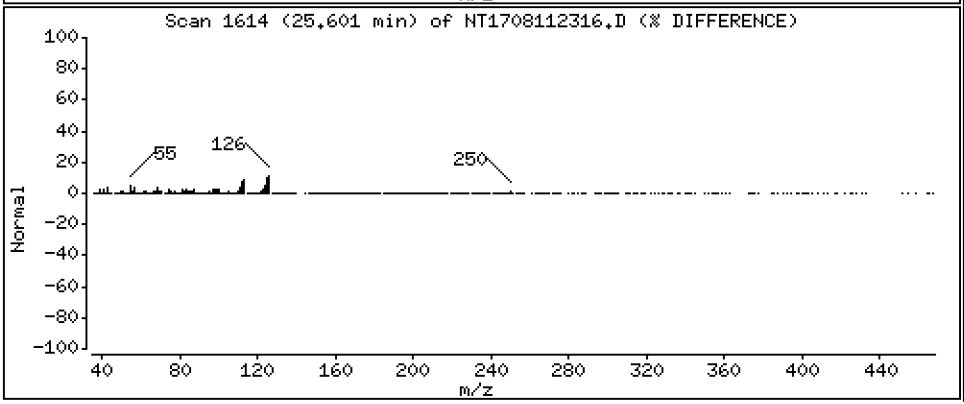
74 Benzo(b)fluoranthene

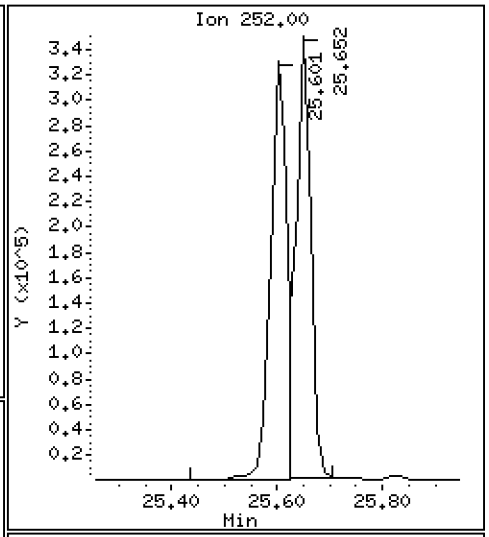
Concentration: 3.757 ug/mL

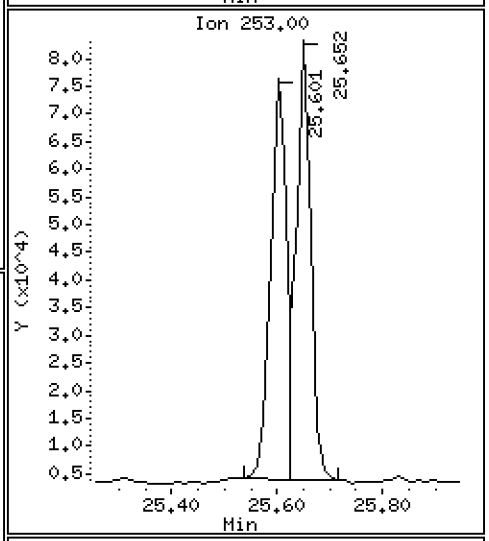


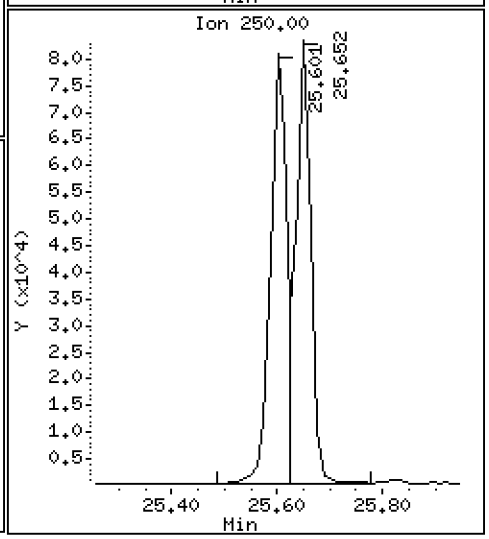












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

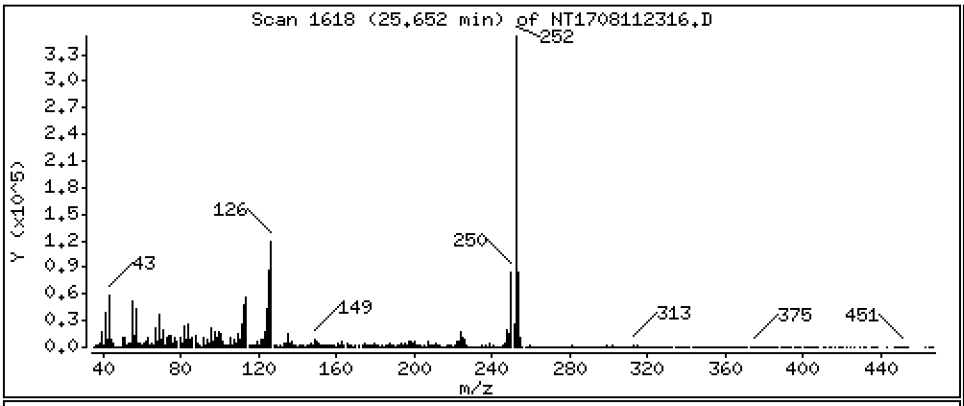
Operator: JGR

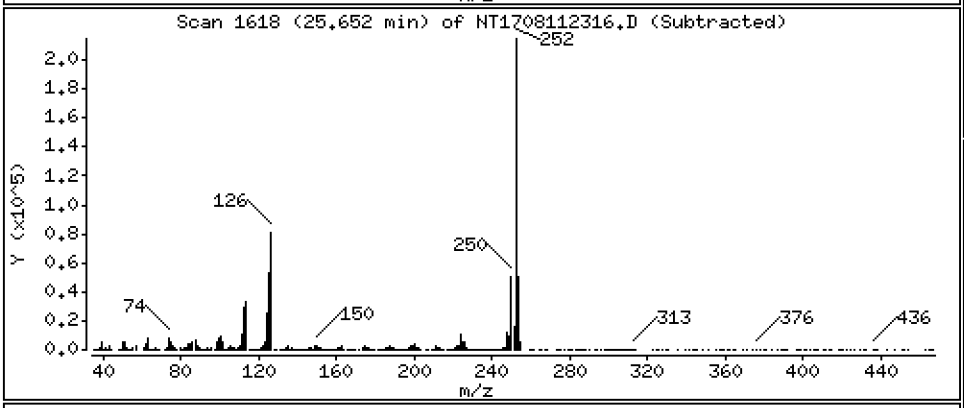
Column phase: ZB-5msi

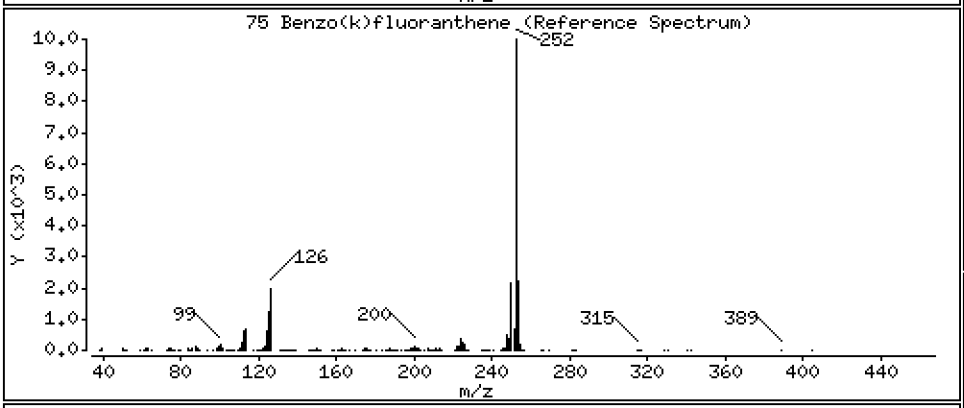
Column diameter: 0.25

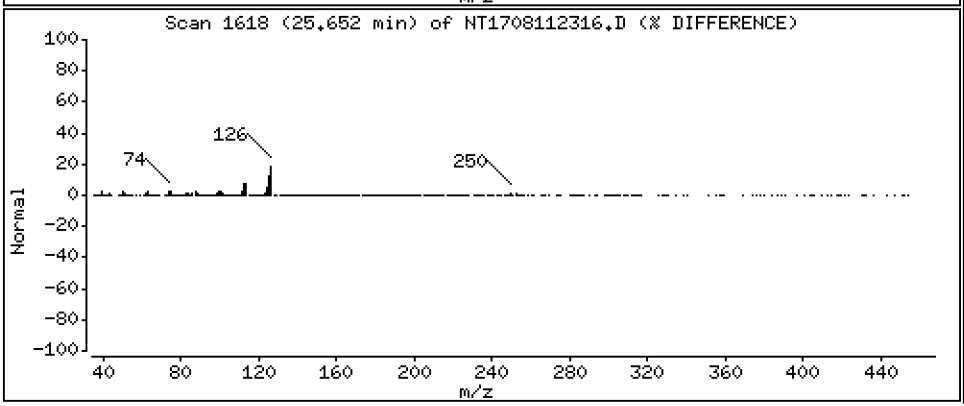
75 Benzo(k)fluoranthene

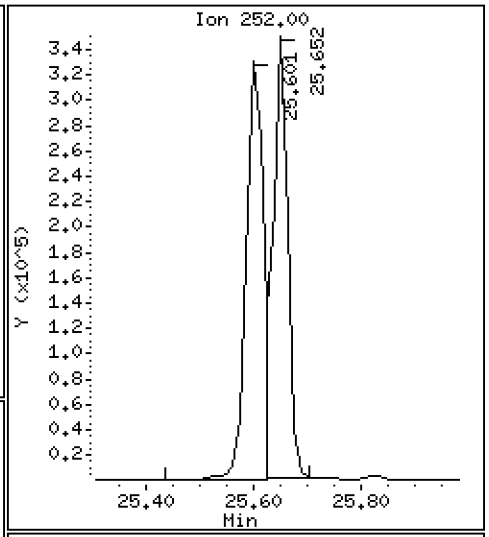
Concentration: 4.239 ug/mL

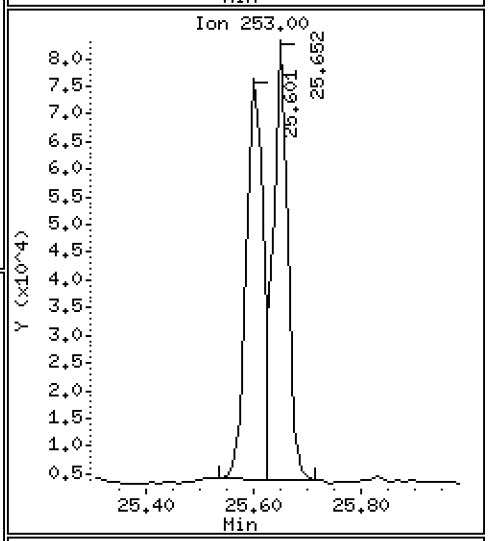


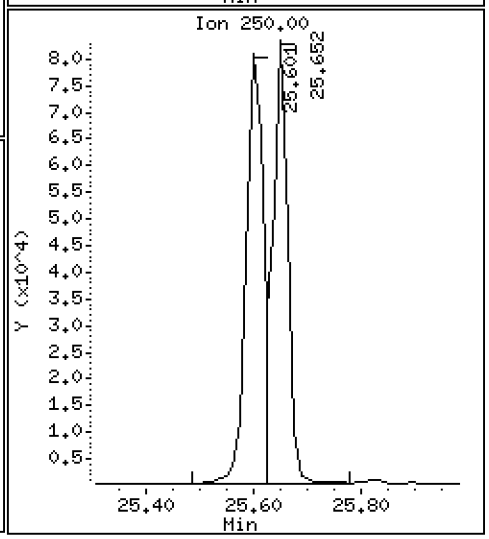












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

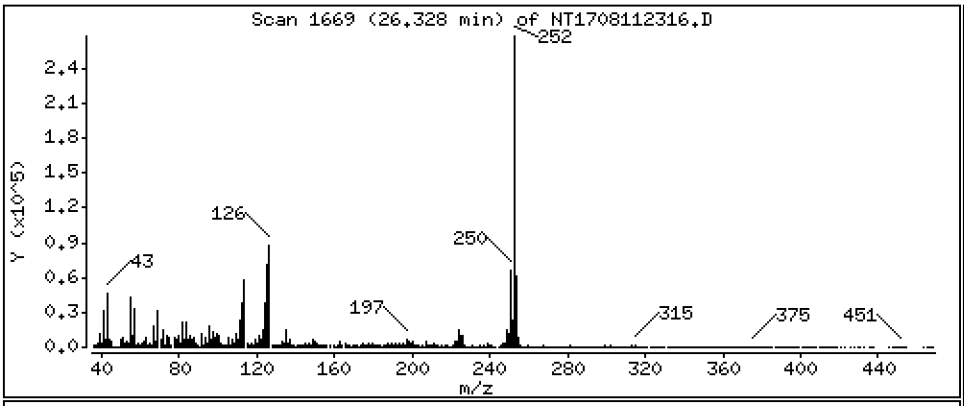
Operator: JGR

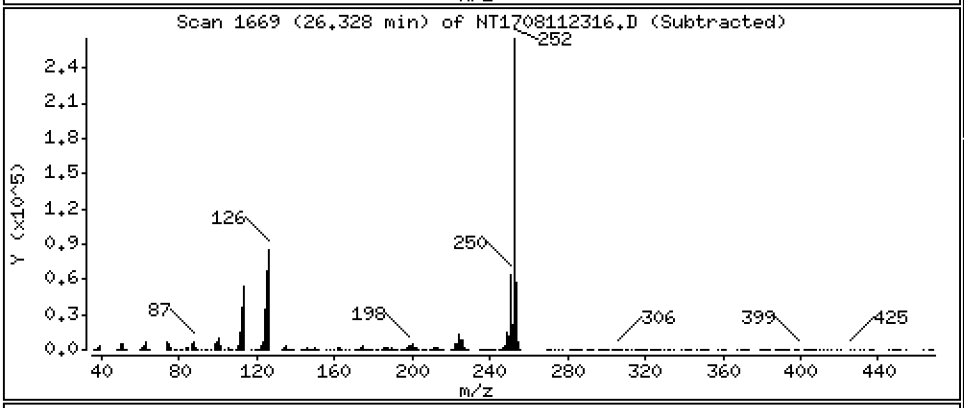
Column phase: ZB-5msi

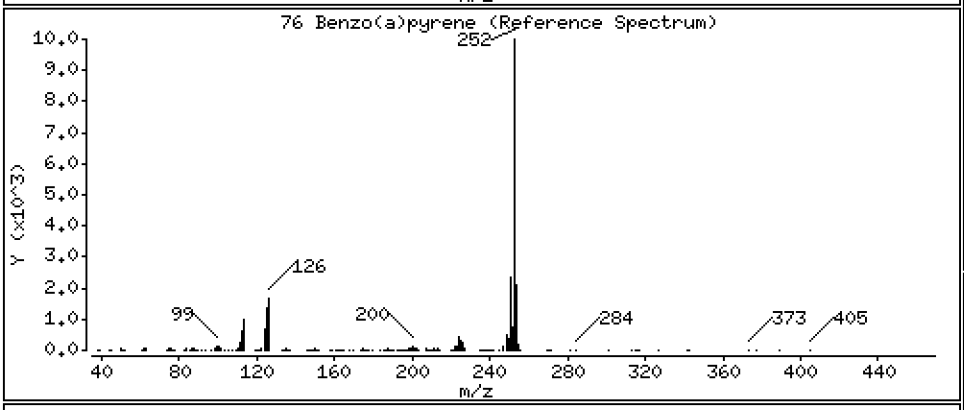
Column diameter: 0.25

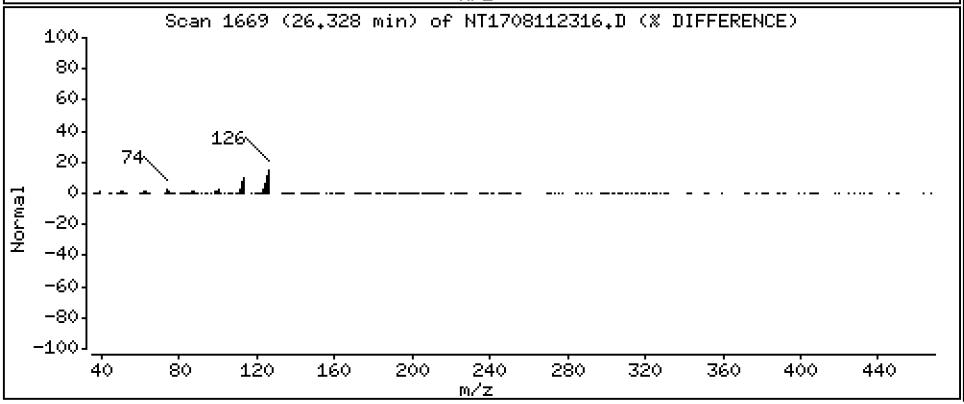
76 Benzo(a)pyrene

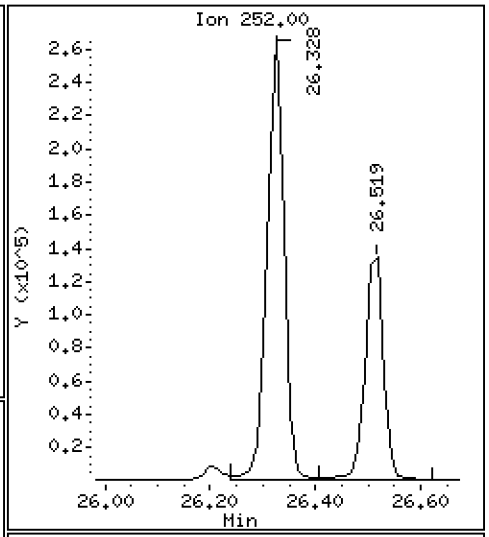
Concentration: 3.923 ug/mL

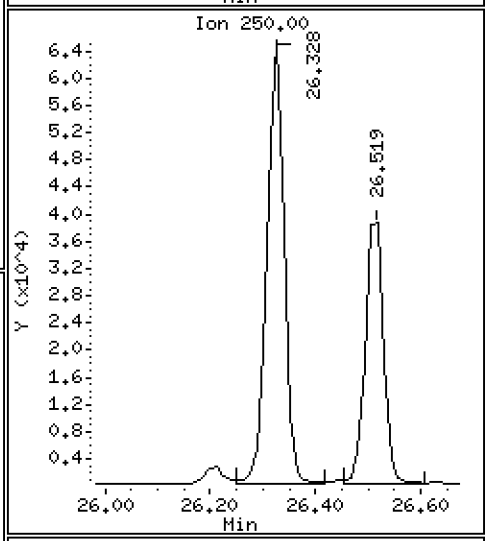


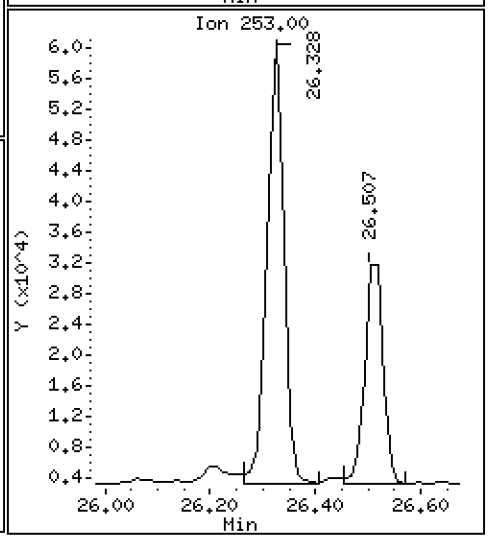












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

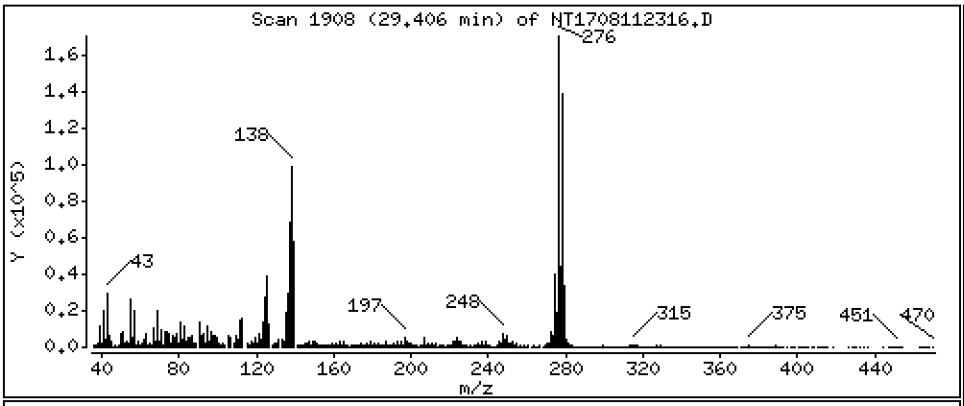
Operator: JGR

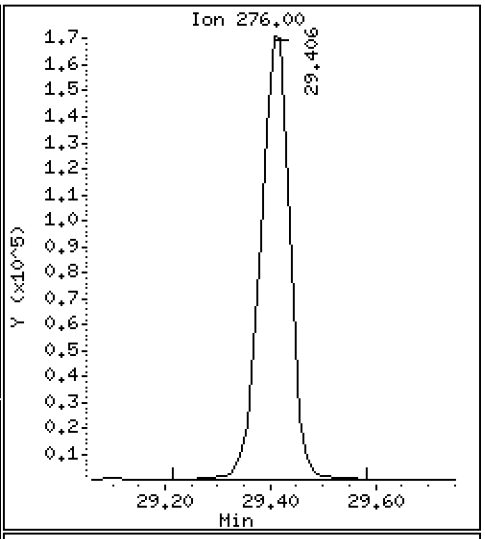
Column phase: ZB-5msi

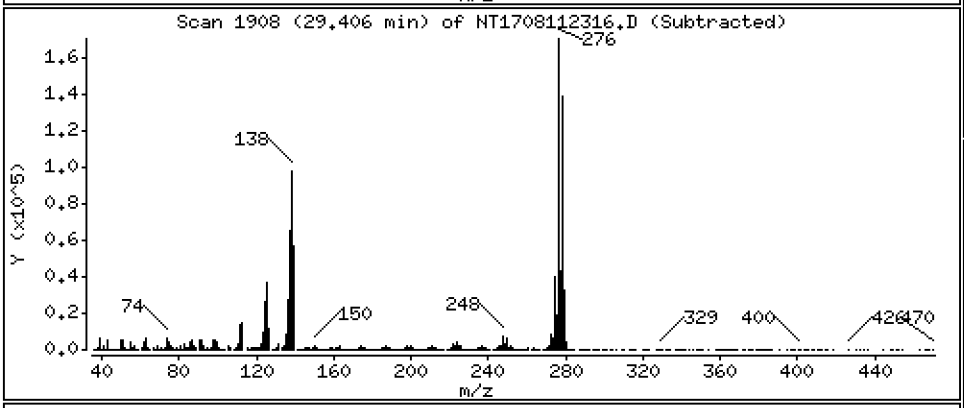
Column diameter: 0.25

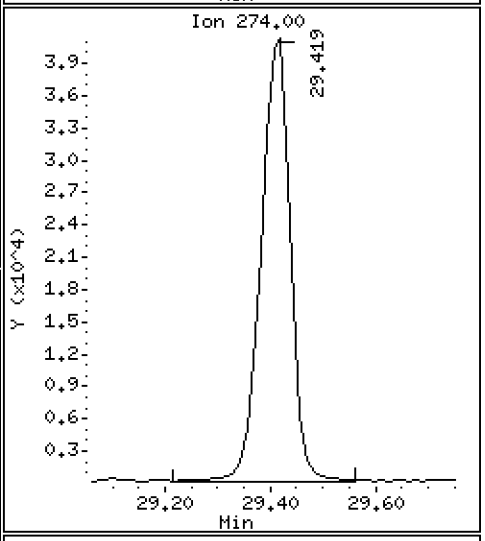
78 Indeno(1,2,3-cd)pyrene

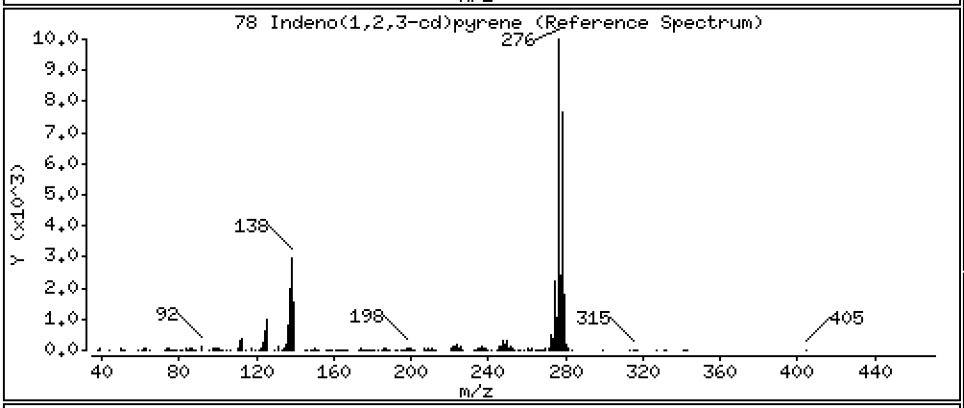
Concentration: 3.670 ug/mL

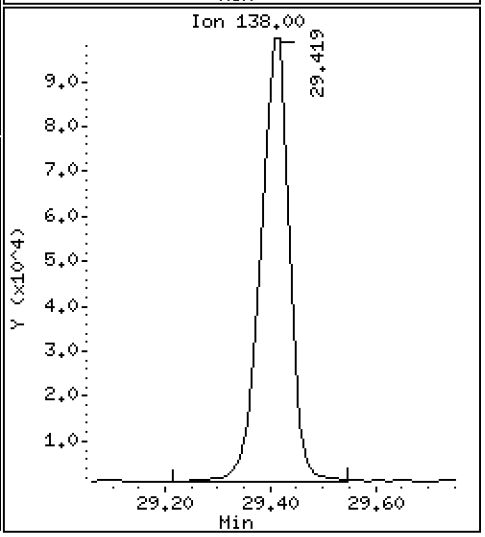


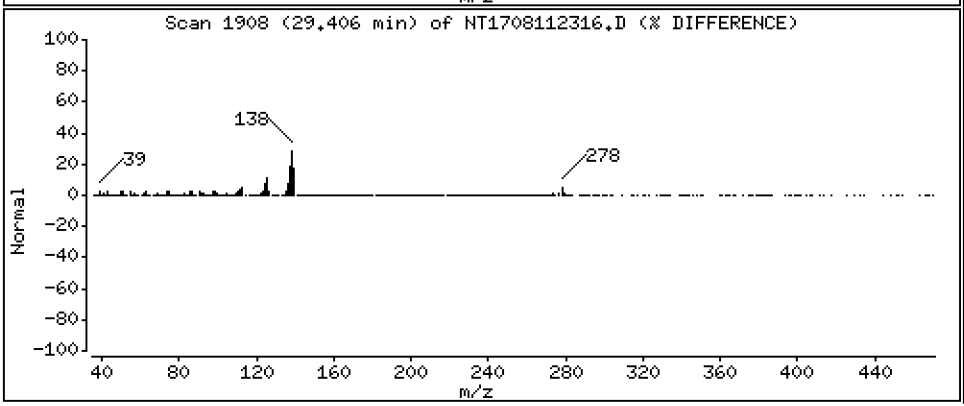












Date : 11-AUG-2023 21:35

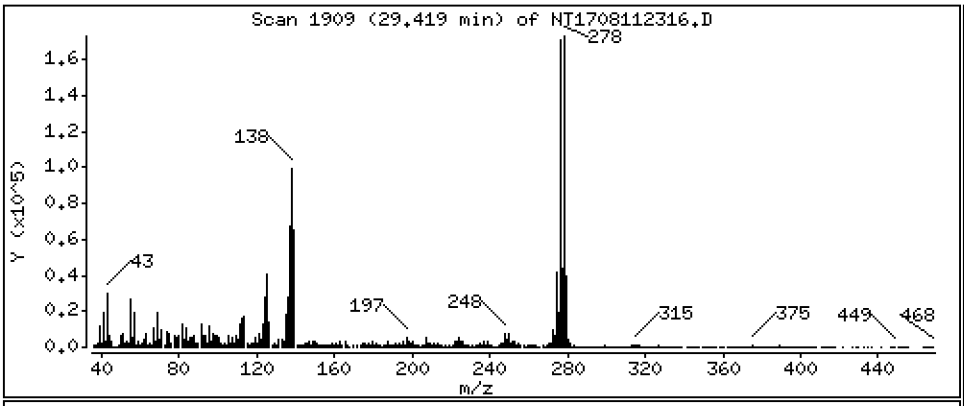
Client ID: Instrument: nt17.i

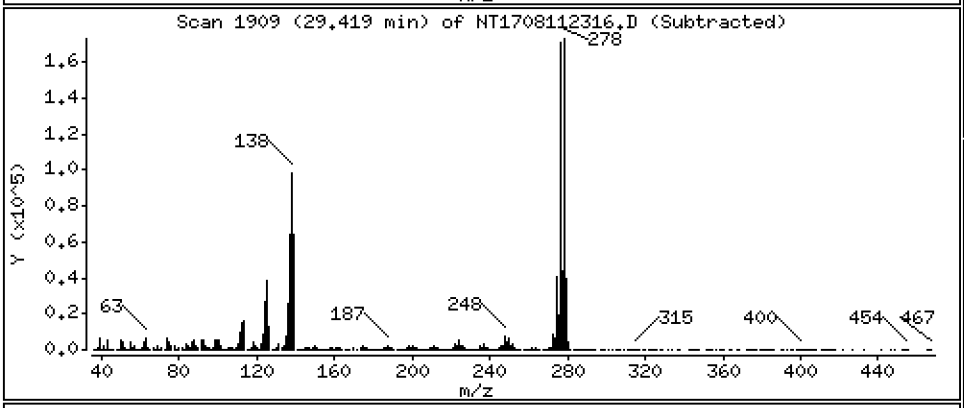
Sample Info: BLH0180-MSD1

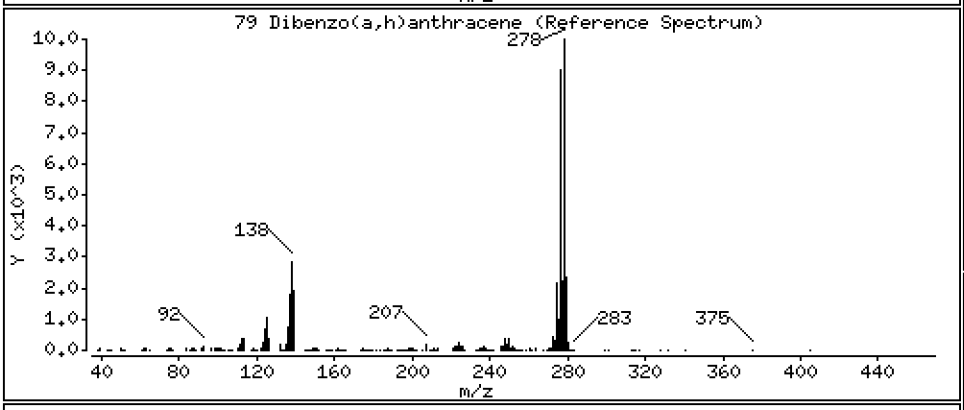
Operator: JGR

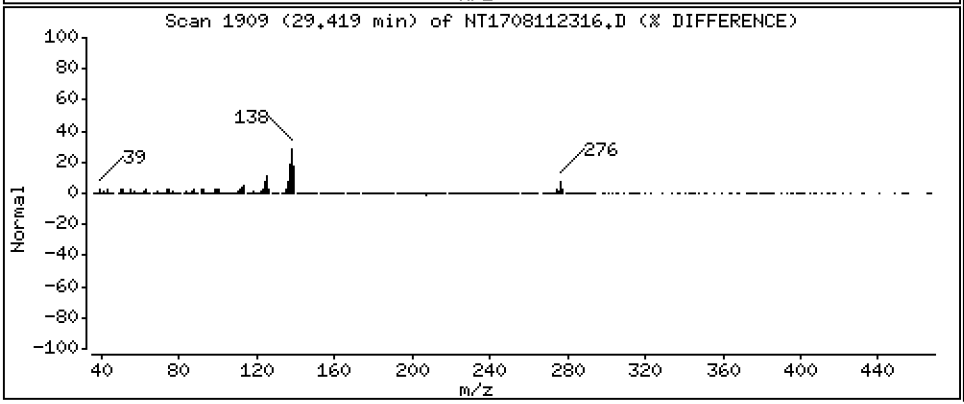
Column phase: ZB-5msi Column diameter: 0.25

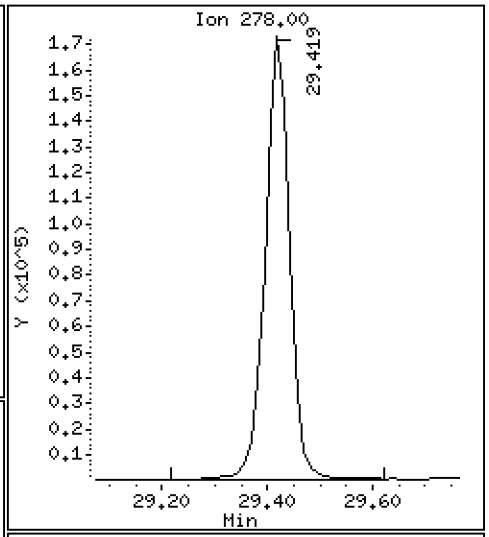
79 Dibenzo(a,h)anthracene Concentration: 3.515 ug/mL

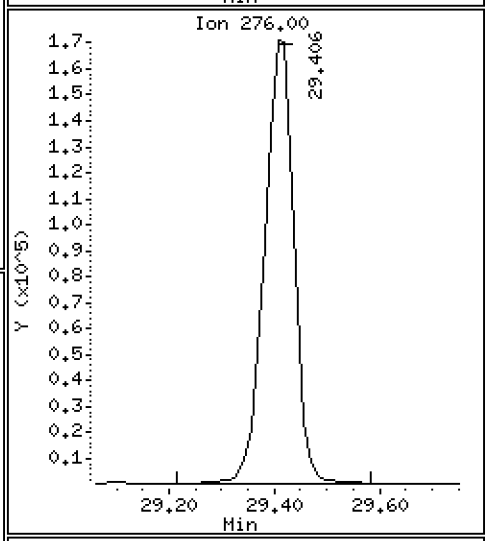


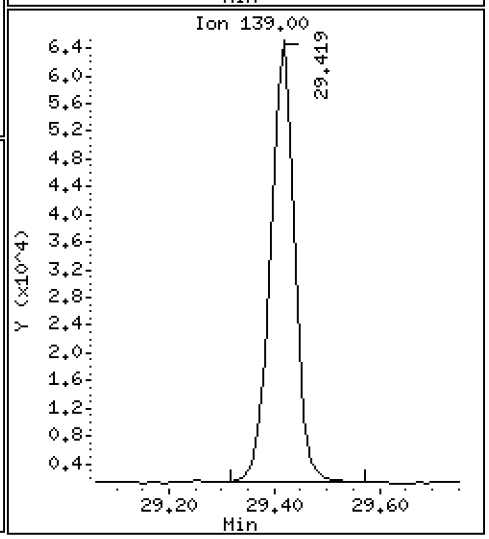












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

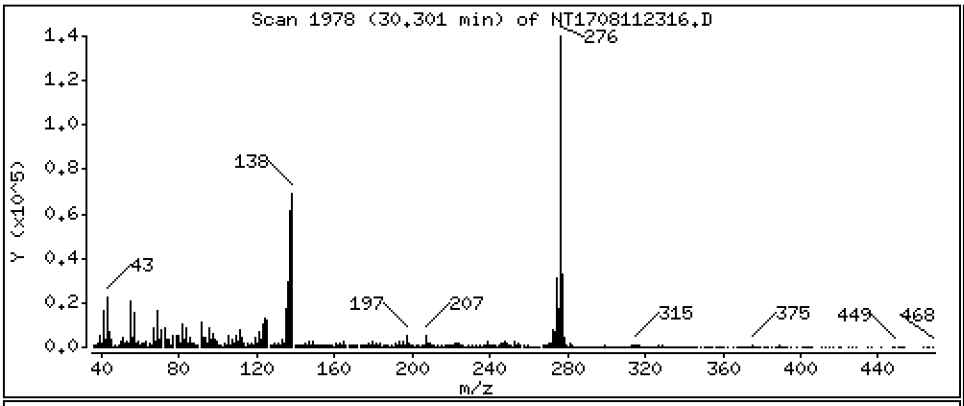
Operator: JGR

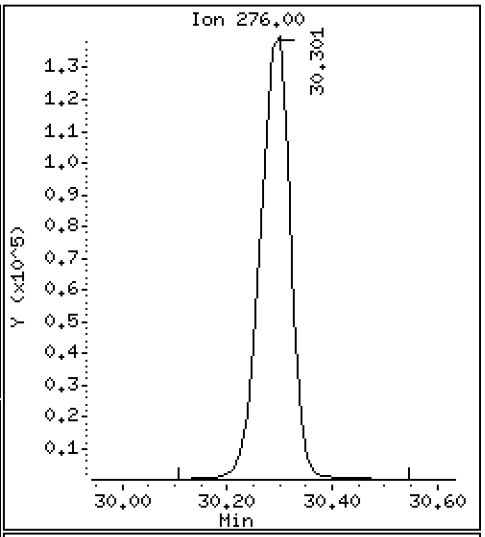
Column phase: ZB-5msi

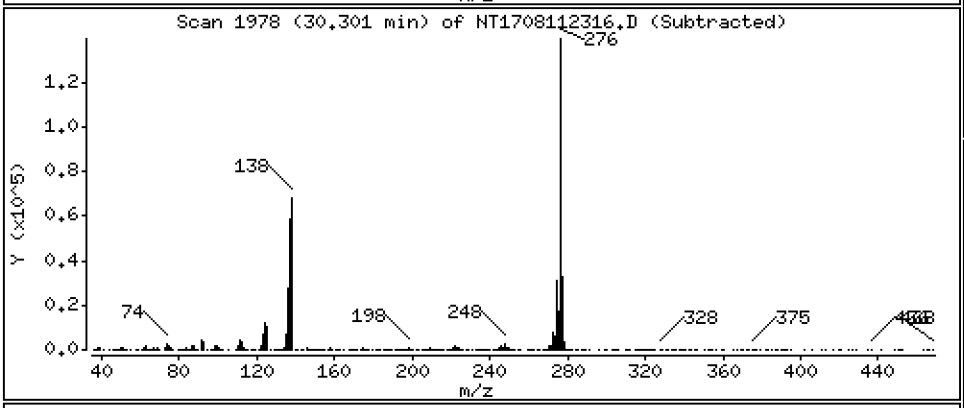
Column diameter: 0.25

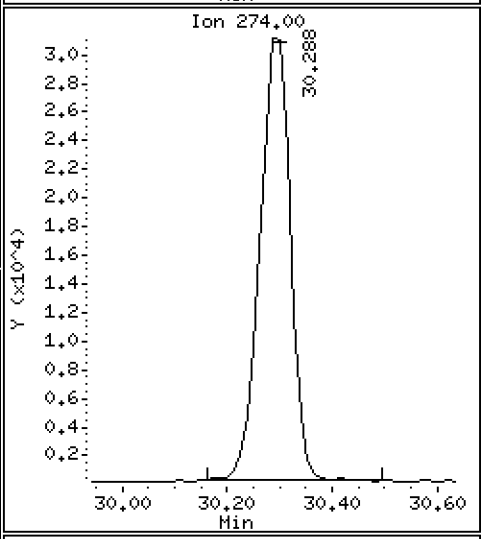
80 Benzo(g,h,i)perylene

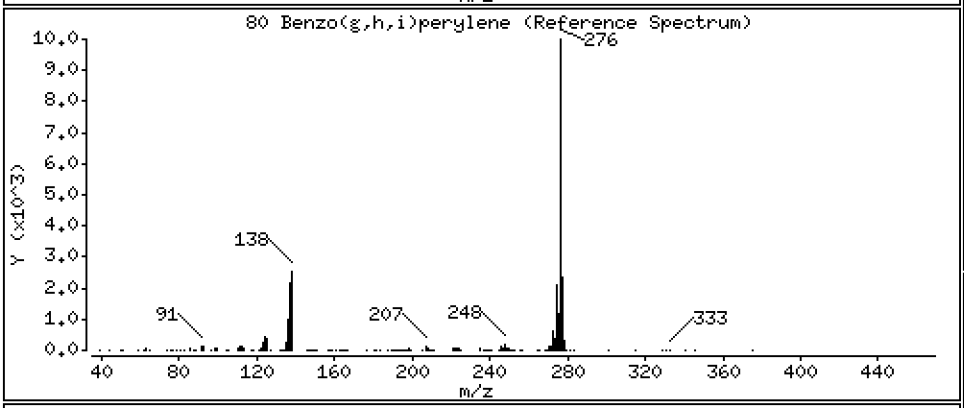
Concentration: 4.297 ug/mL

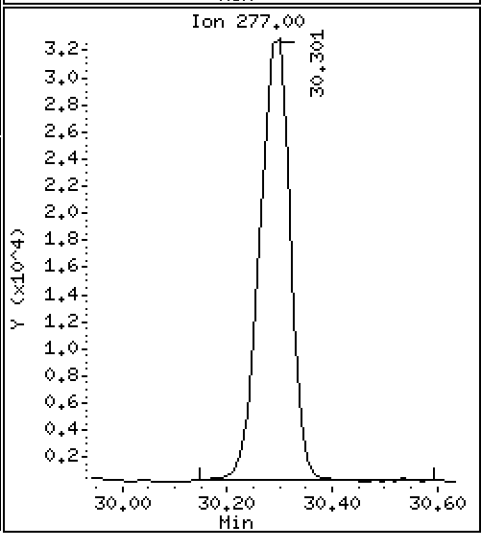


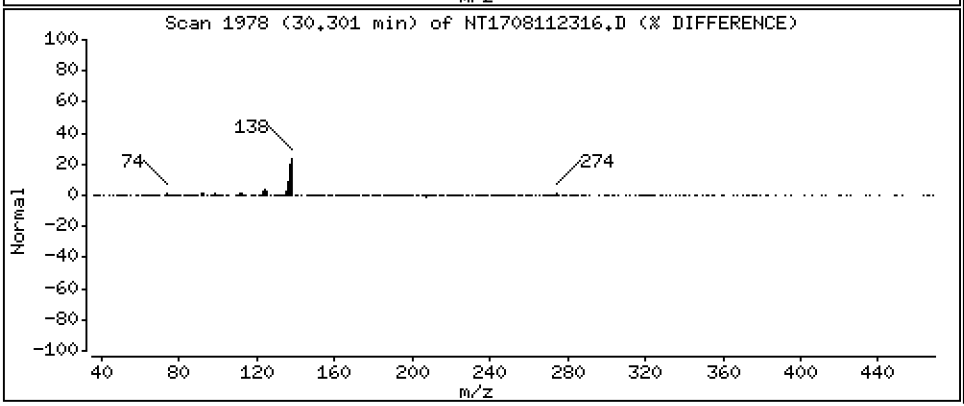












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

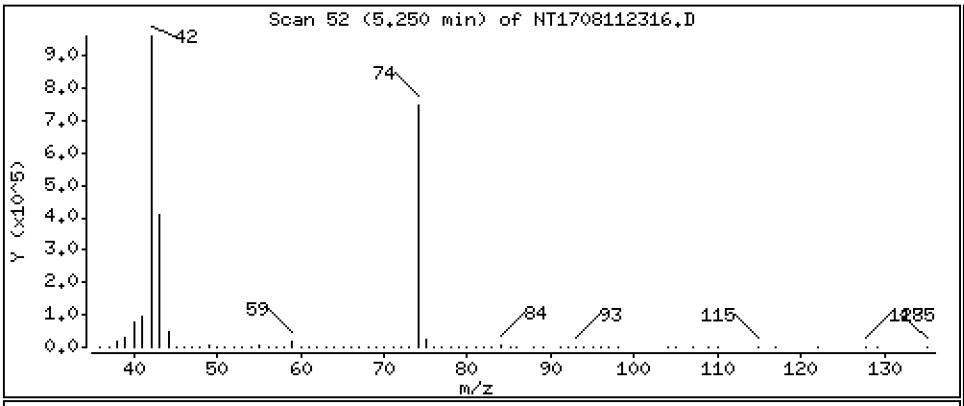
Operator: JGR

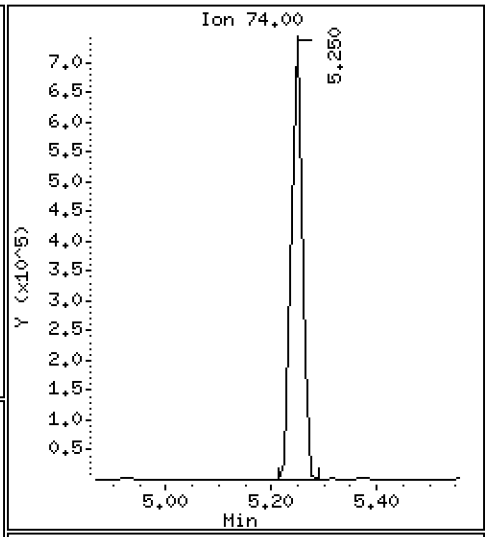
Column phase: ZB-5msi

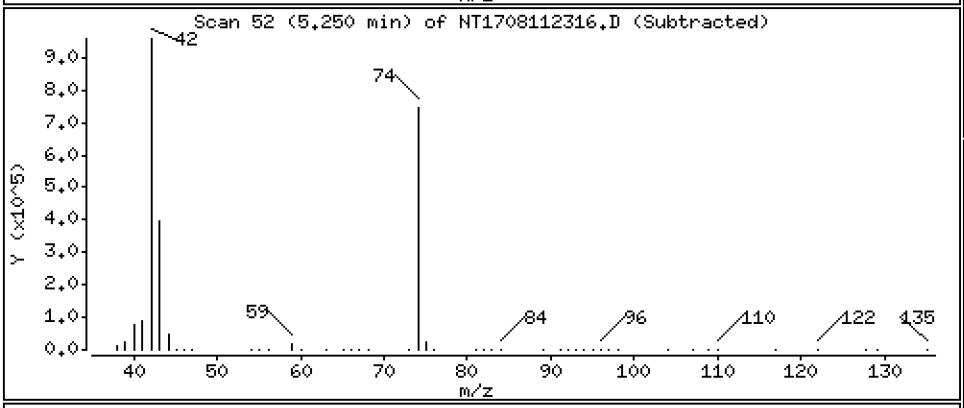
Column diameter: 0.25

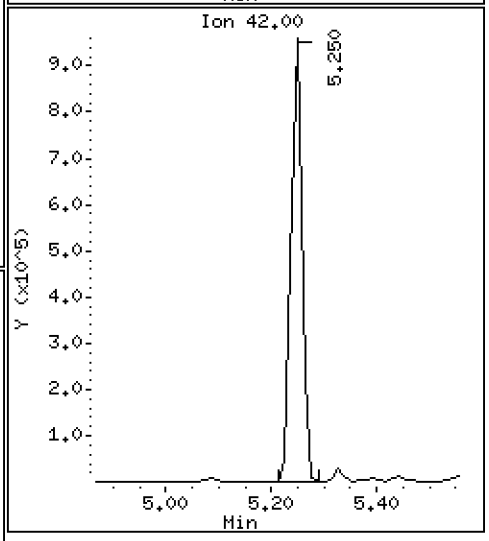
90 N-Nitrosodimethylamine

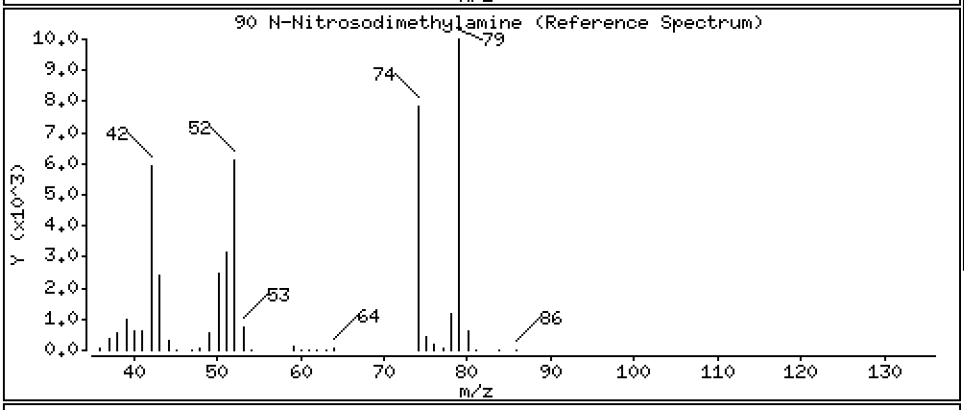
Concentration: 8.846 ug/mL

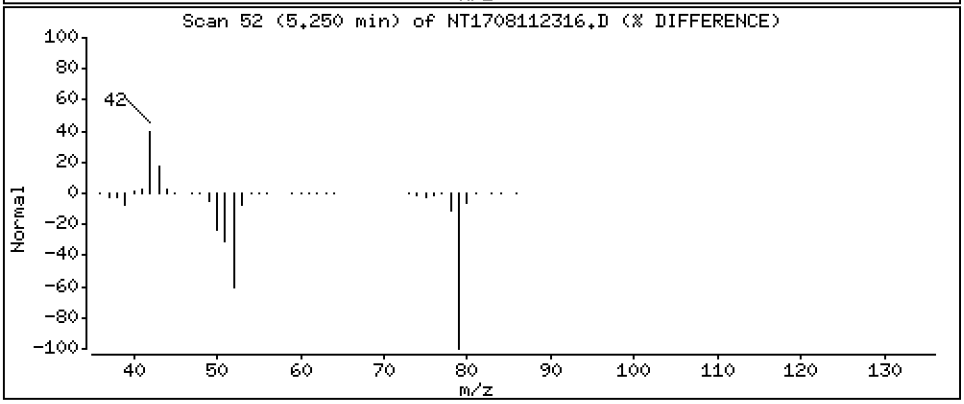












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

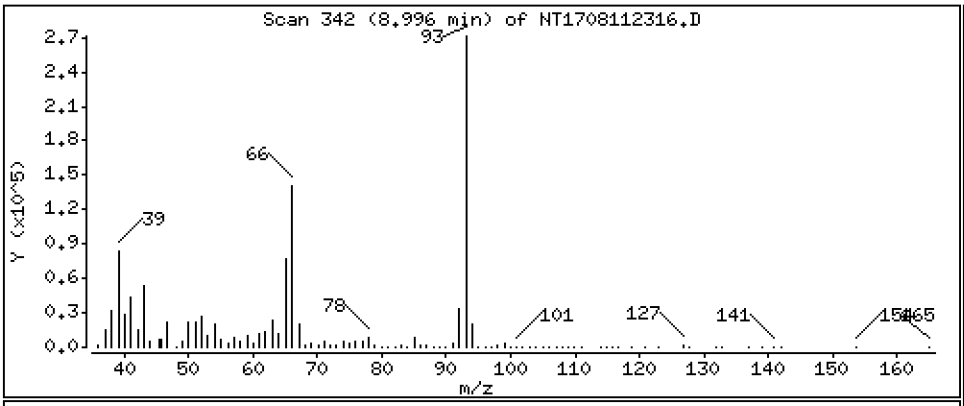
Operator: JGR

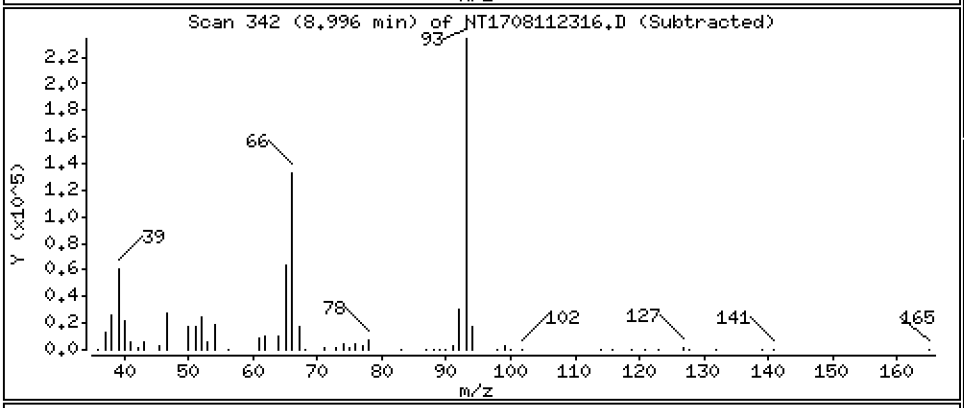
Column phase: ZB-5msi

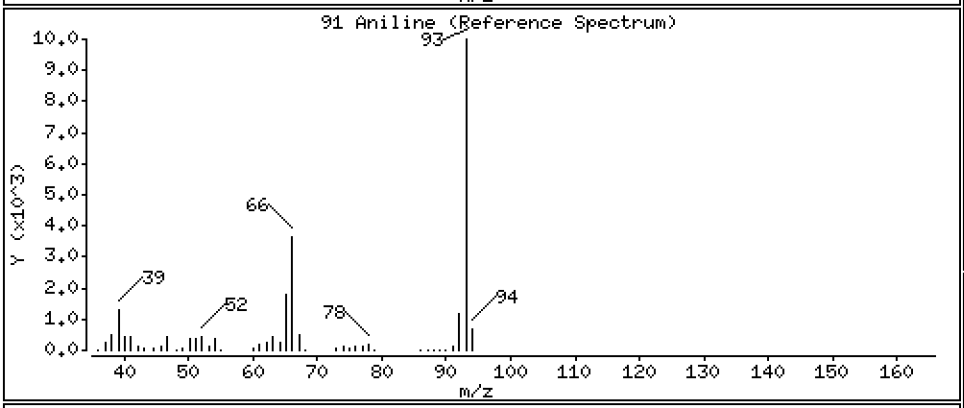
Column diameter: 0.25

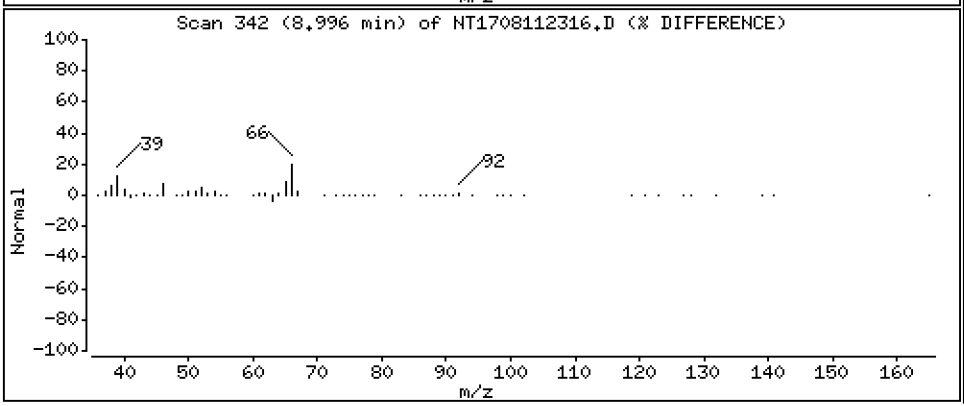
91 Aniline

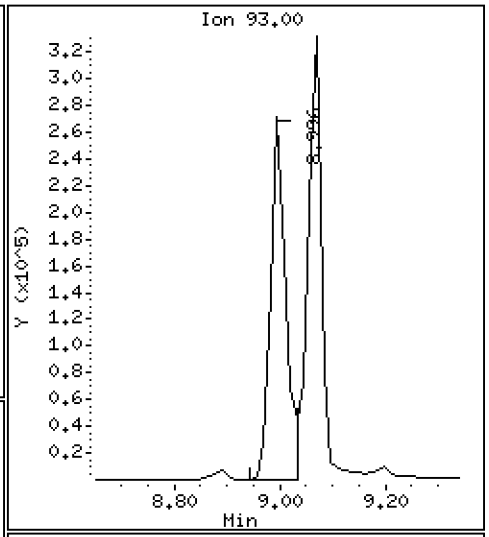
Concentration: 3.085 ug/mL

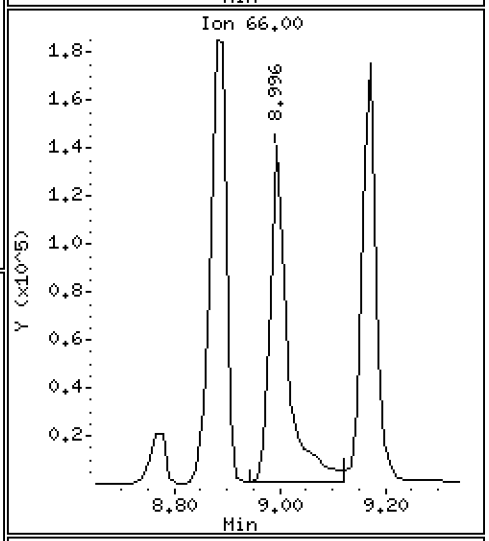


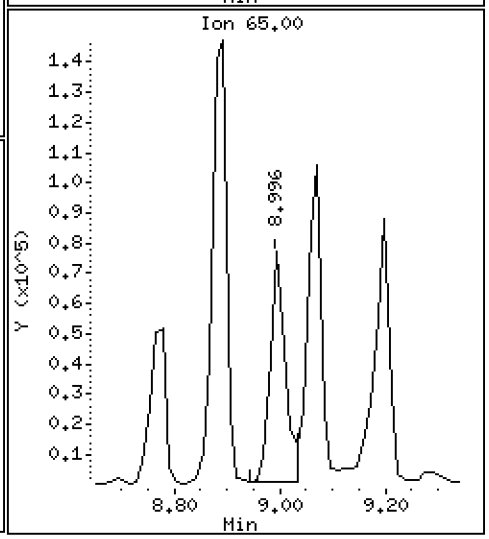












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

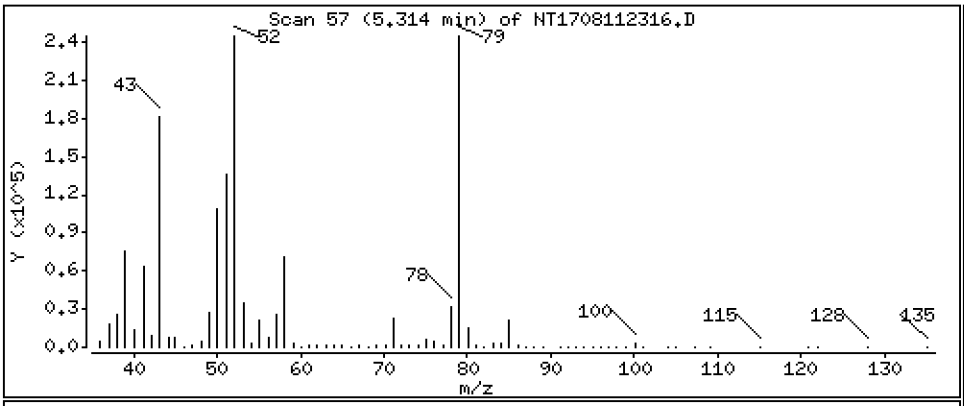
Operator: JGR

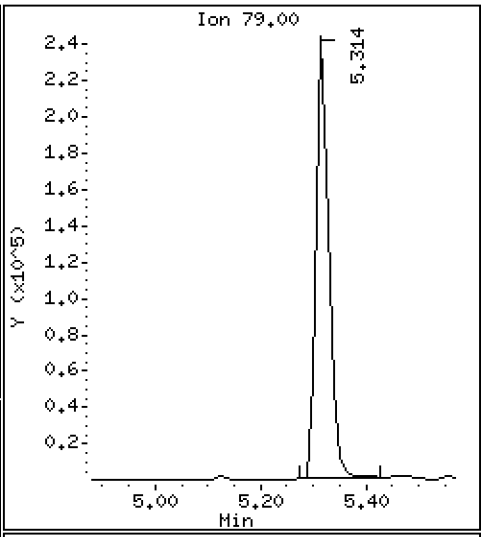
Column phase: ZB-5msi

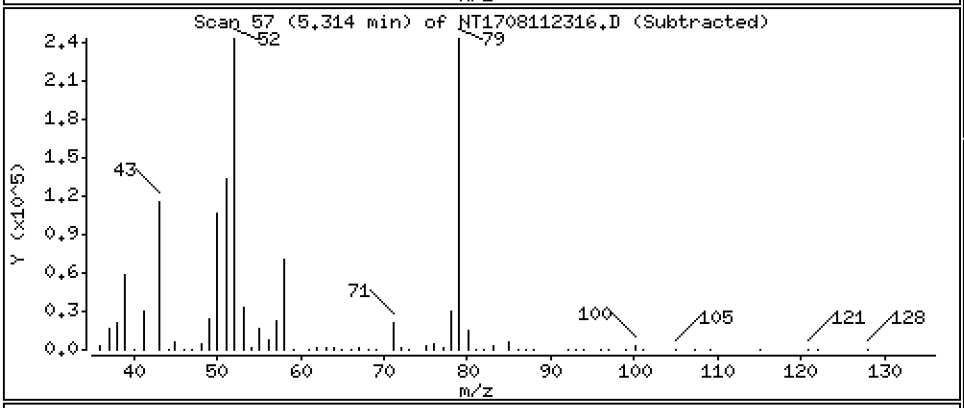
Column diameter: 0.25

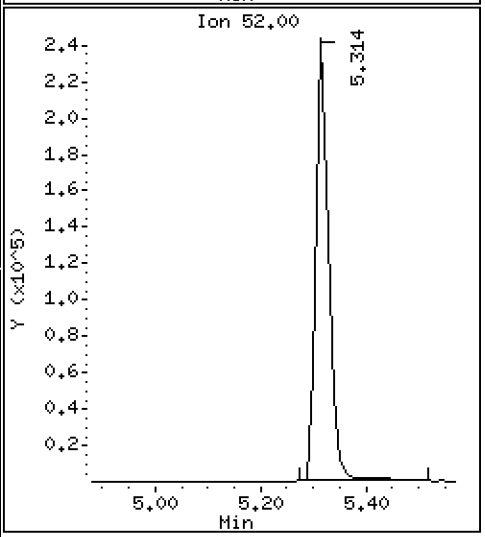
103 Pyridine

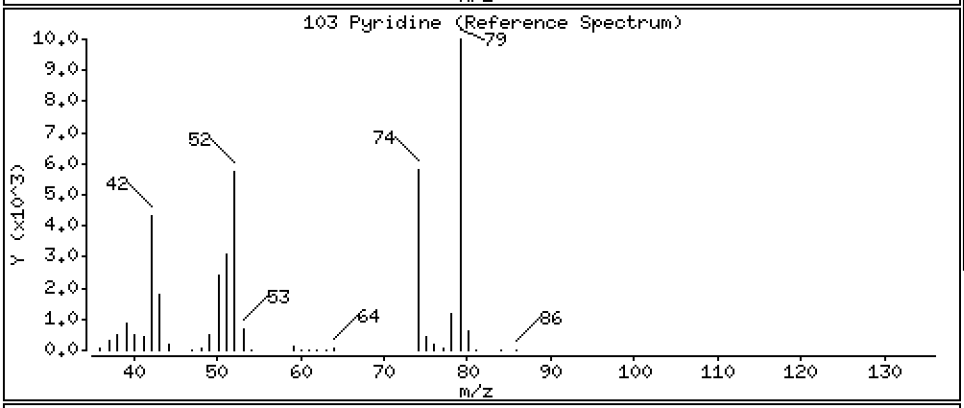
Concentration: 2.506 ug/mL

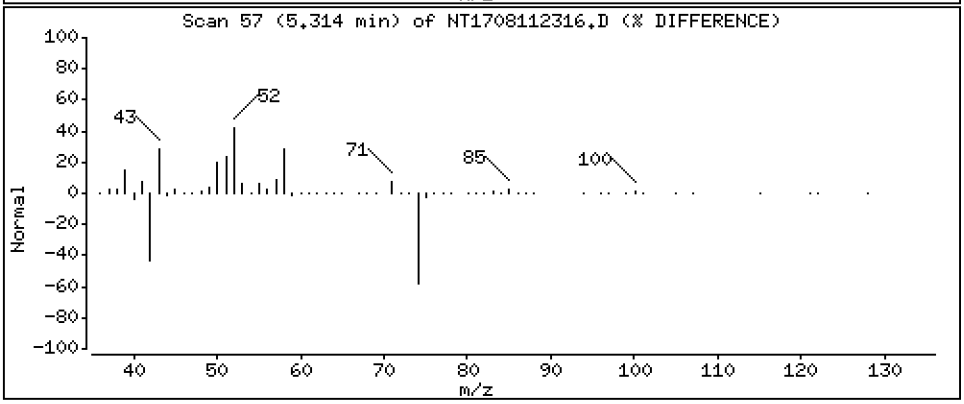












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Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

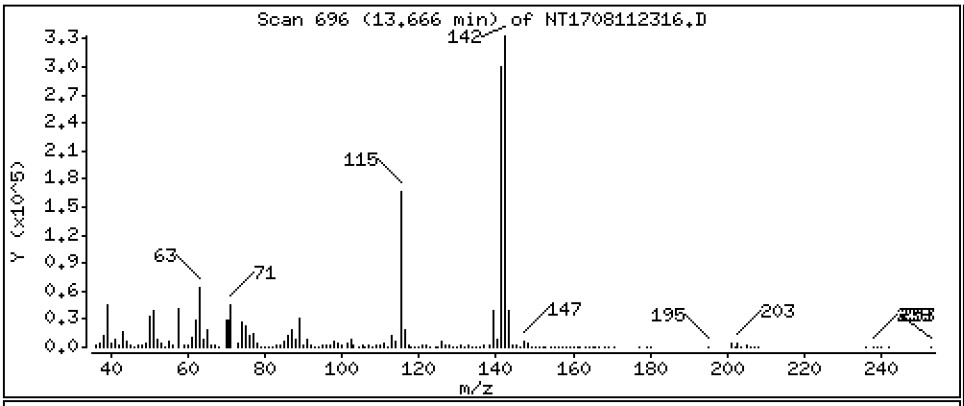
Operator: JGR

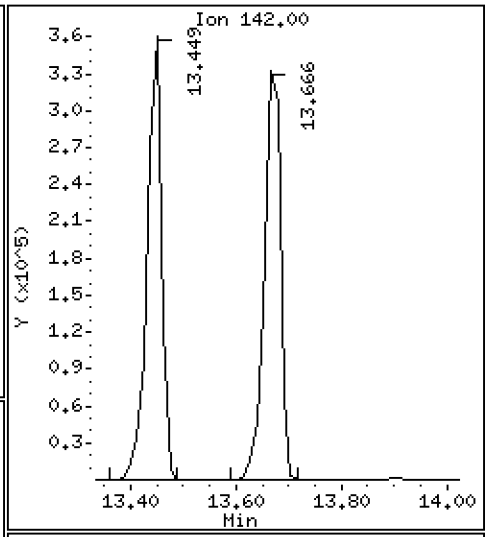
Column phase: ZB-5msi

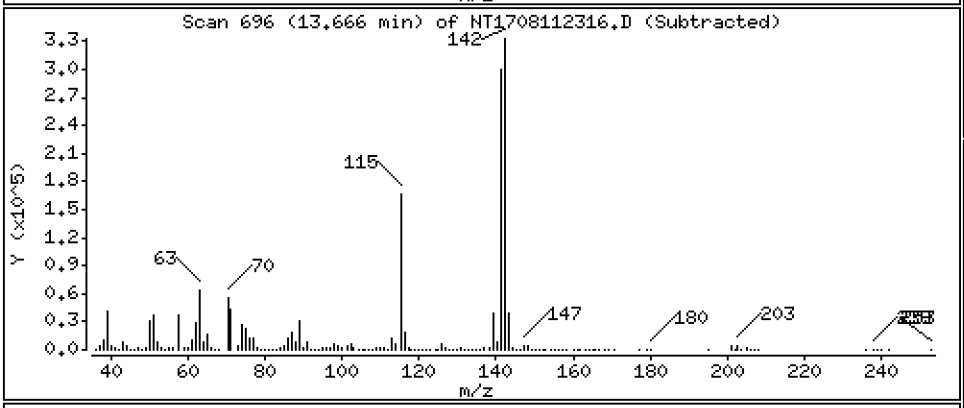
Column diameter: 0.25

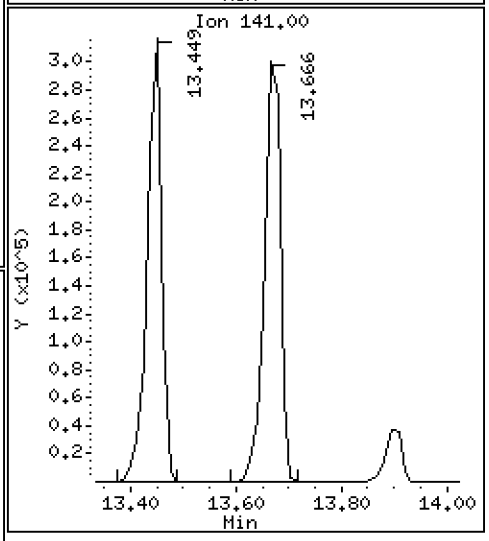
105 1-methylnaphthalene

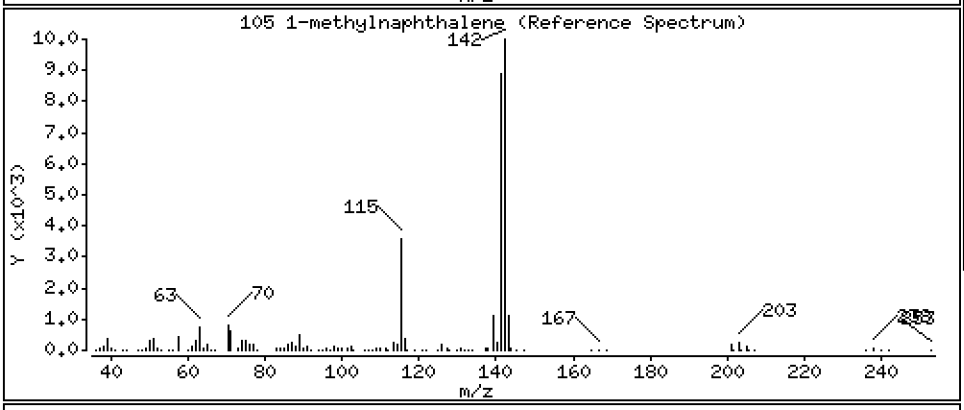
Concentration: 3.923 ug/mL

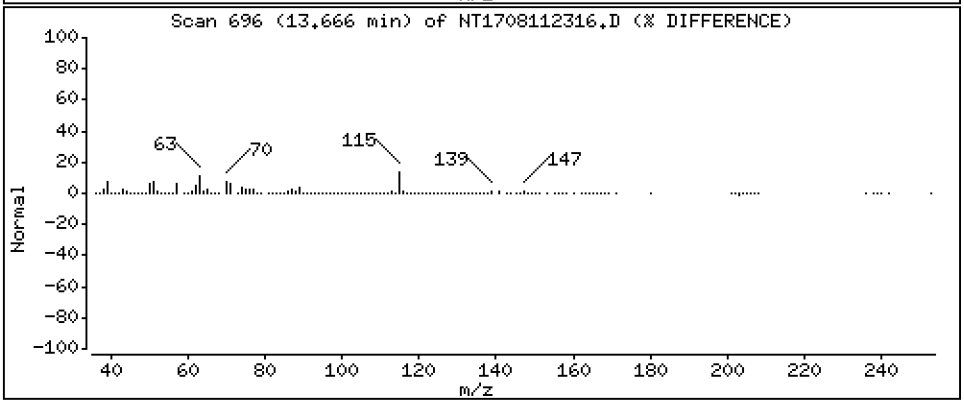












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

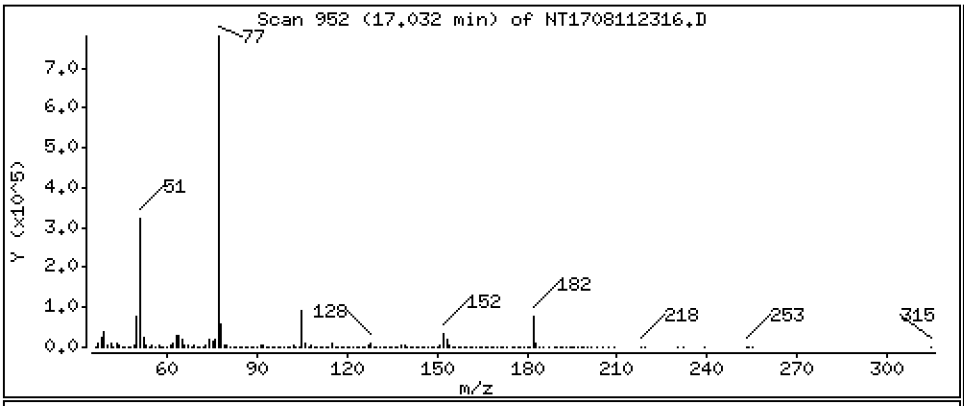
Operator: JGR

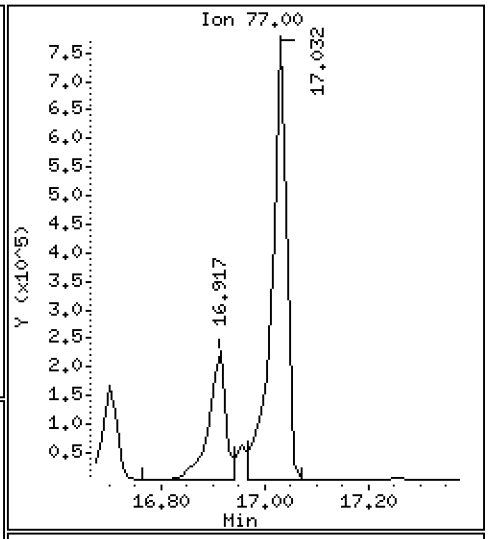
Column phase: ZB-5msi

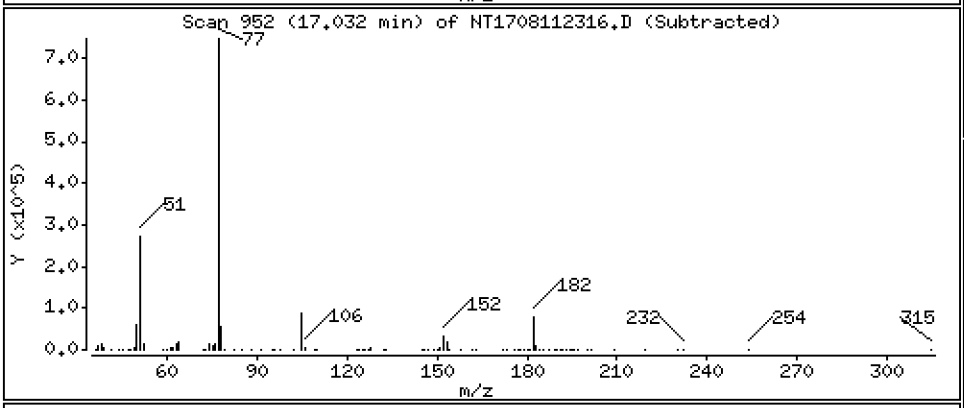
Column diameter: 0.25

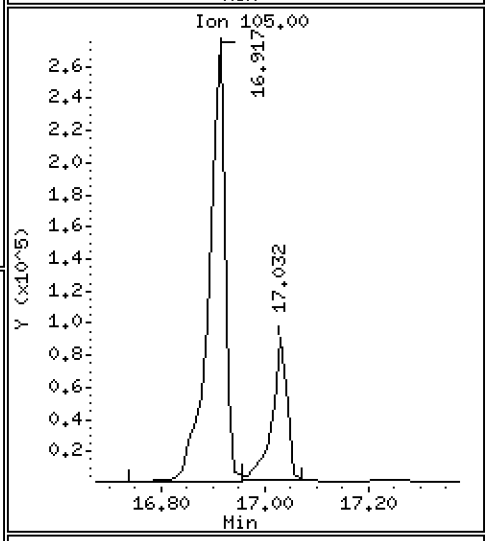
111 Azobenzene (1,2-DP-Hydrazine)

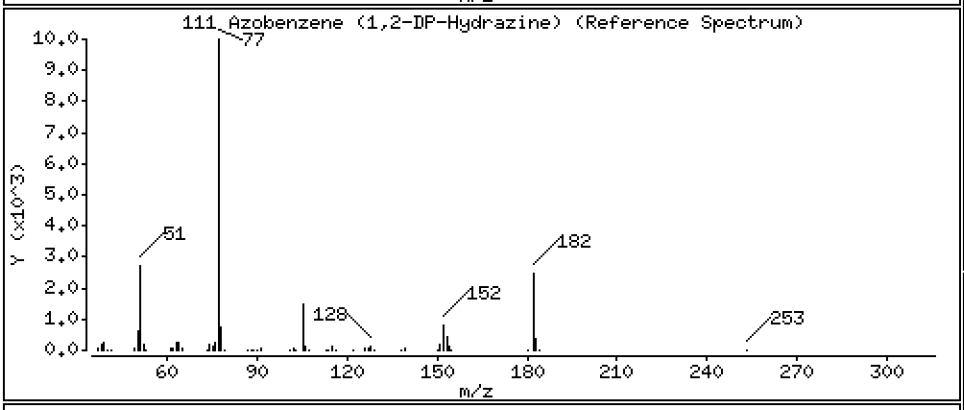
Concentration: 4.359 ug/mL

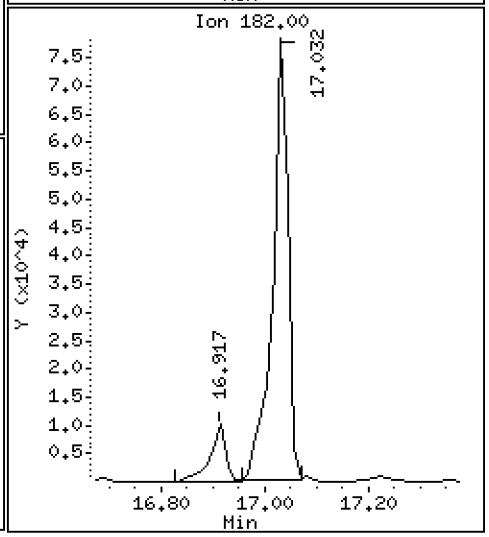


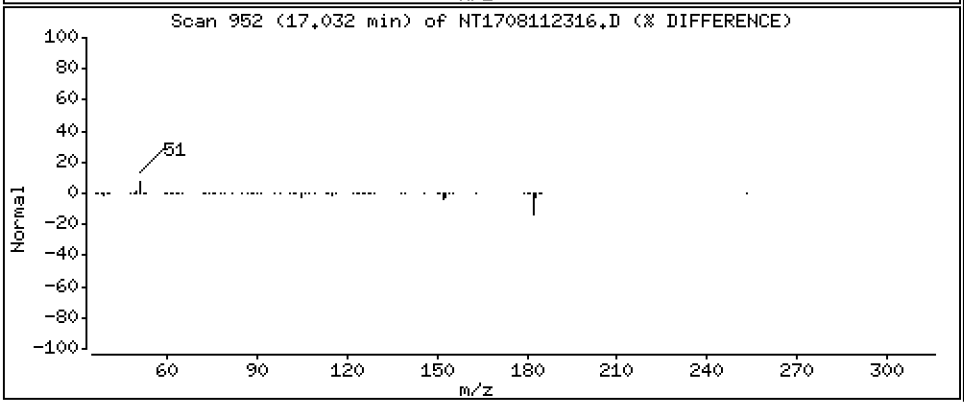












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

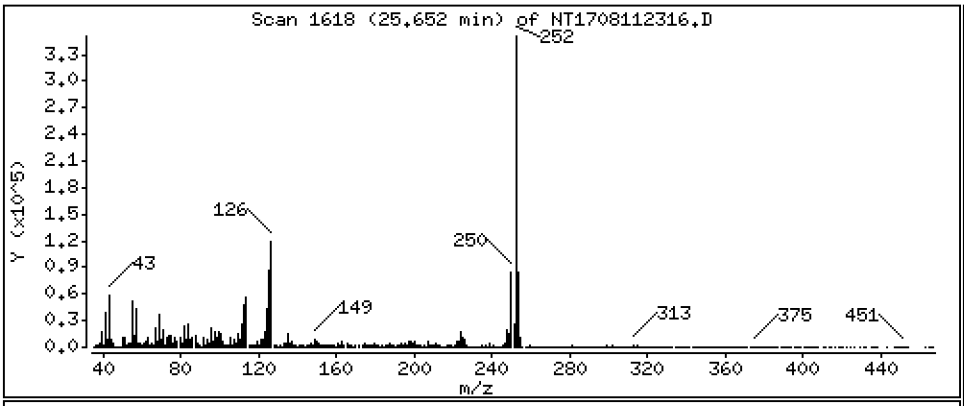
Operator: JGR

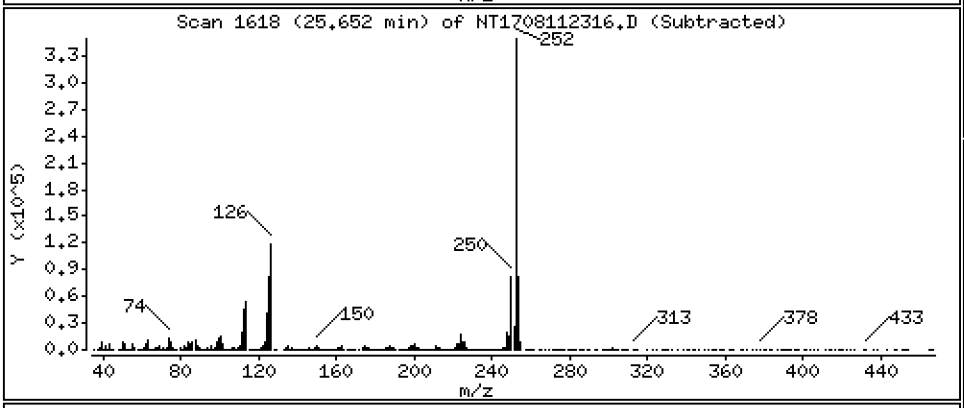
Column phase: ZB-5msi

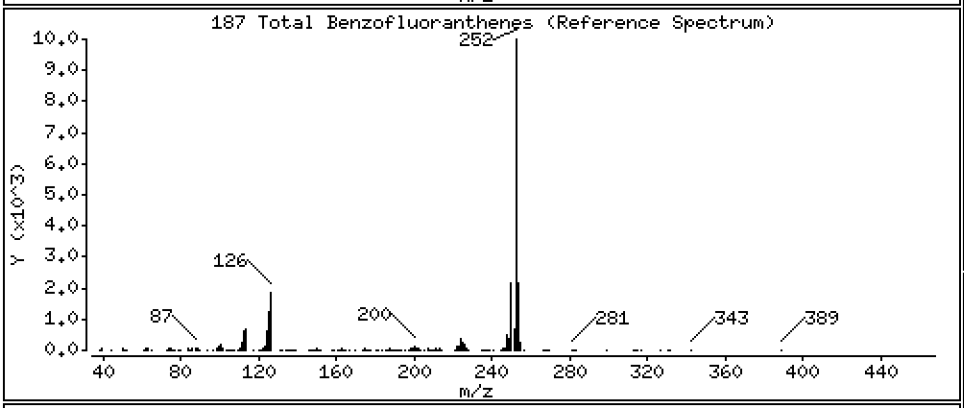
Column diameter: 0.25

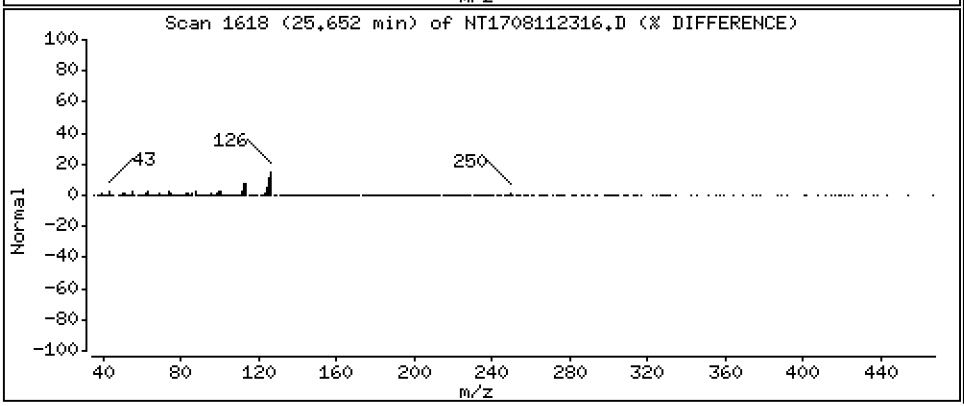
187 Total Benzofluoranthenes

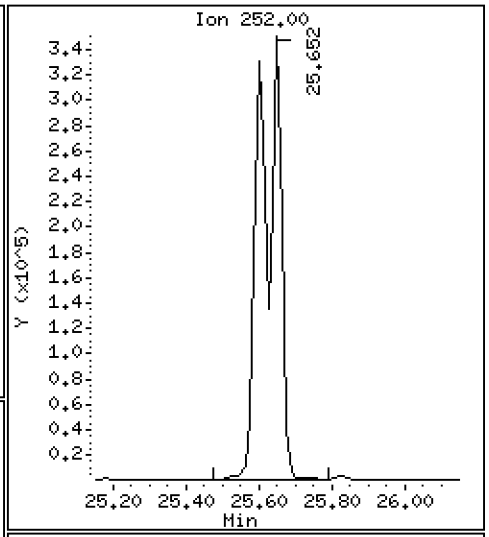
Concentration: 8.791 ug/mL

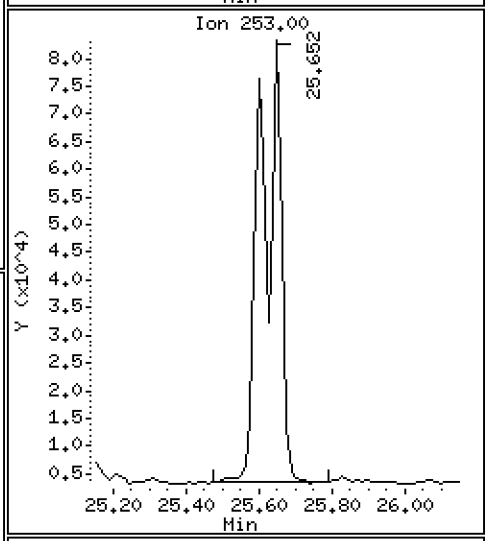


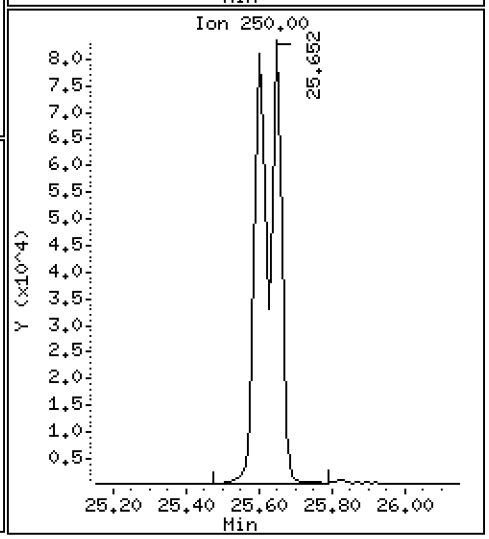












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

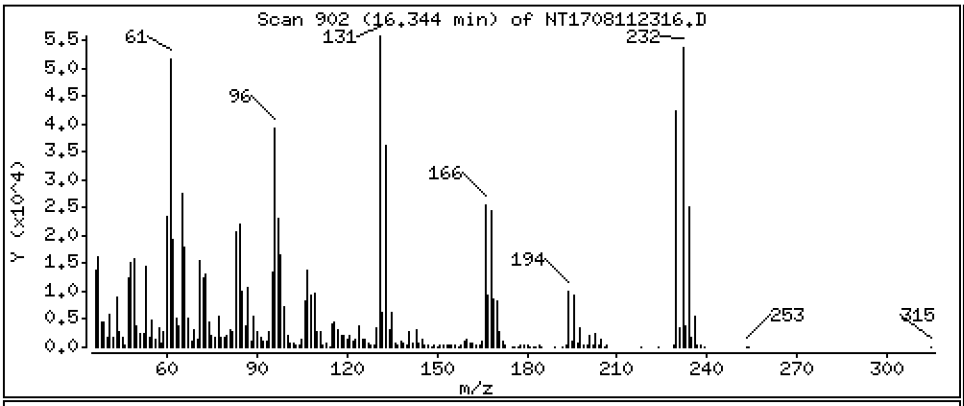
Operator: JGR

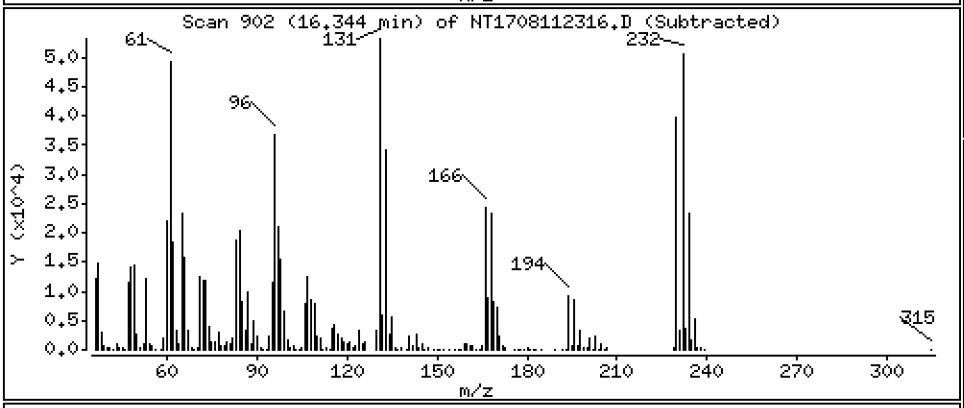
Column phase: ZB-5msi

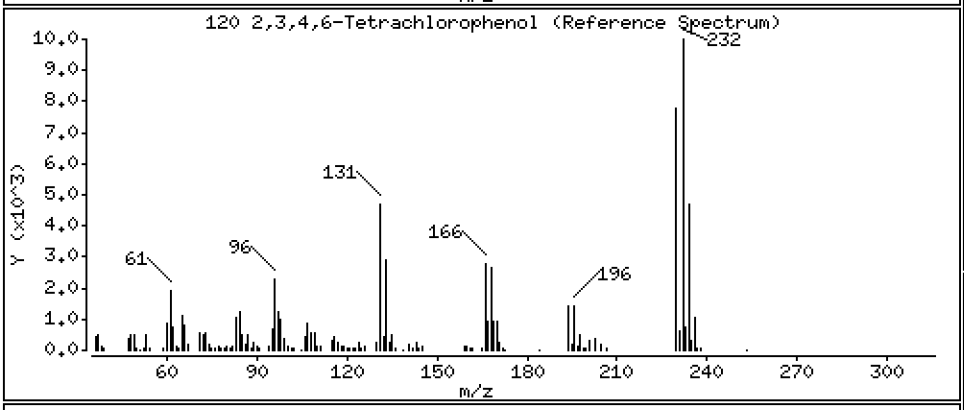
Column diameter: 0.25

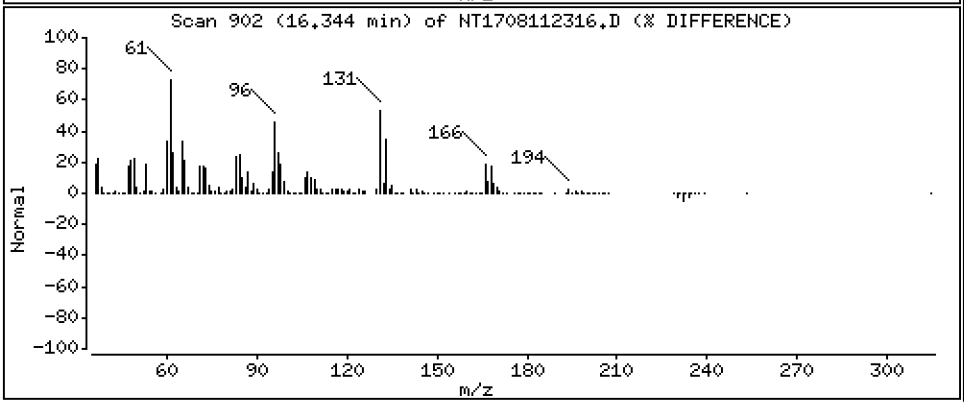
120 2,3,4,6-Tetrachlorophenol

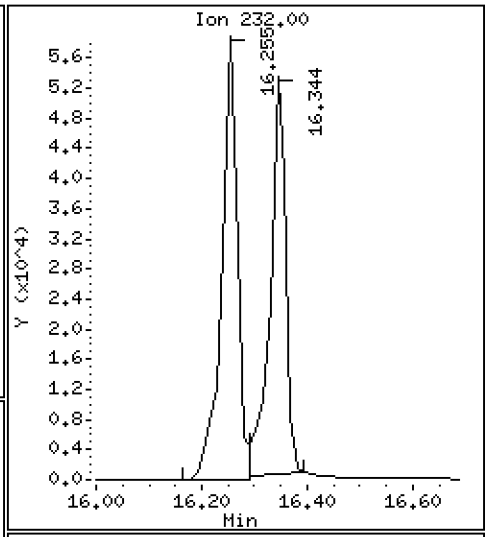
Concentration: 3.244 ug/mL

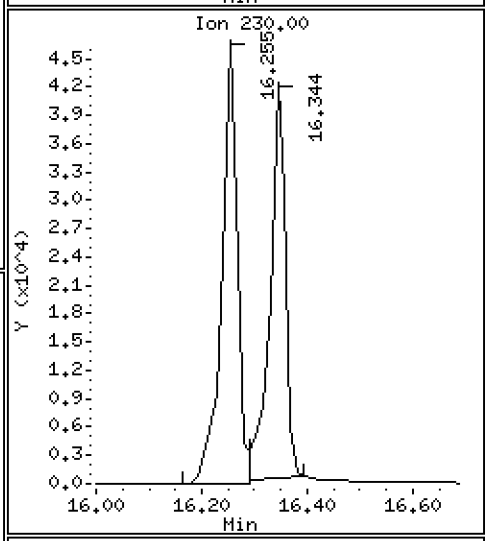


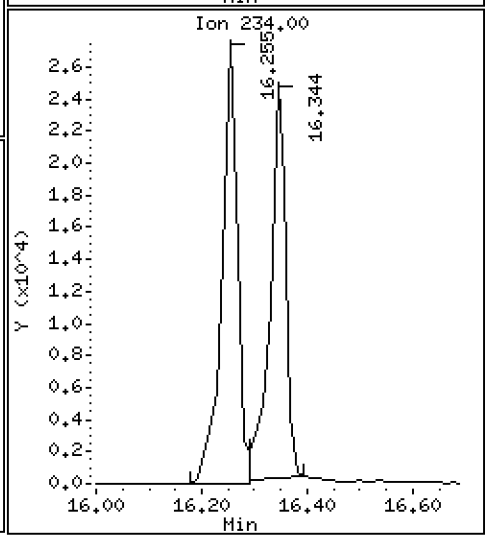












ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt17.i\20230811.b\NT1708112316.D
Lab Smp Id: BLH0180-MSD1
Inj Date : 11-AUG-2023 21:35
Operator : JGR Inst ID: nt17.i
Smp Info : BLH0180-MSD1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt17.i\20230811.b\ABN.m
Meth Date : 17-Aug-2023 10:28 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:16 Cal File: NT1708102308.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	7.313	7.301	(0.767)	581581	5.26071	5.261
$	2 Phenol-d5	99	8.868	8.868	(0.930)	803298	5.10328	5.103
	3 Phenol	94	8.893	8.880	(0.933)	631318	3.87138	3.871
$	5 2-Chlorophenol-d4	132	9.174	9.173	(0.963)	507523	5.17832	5.178
	4 Bis(2-Chloroethyl)ether	93	9.072	9.072	(0.952)	603533	4.54145	4.541
	6 2-Chlorophenol	128	9.199	9.199	(0.965)	366401	3.74838	3.748
	7 1,3-Dichlorobenzene	146	9.467	9.467	(0.993)	341256	3.30089	3.301
*	8 1,4-Dichlorobenzene-d4	152	9.531	9.531	(1.000)	244456	4.00000	
	9 1,4-Dichlorobenzene	146	9.569	9.569	(1.004)	336679	3.36655	3.367
$	10 1,2-Dichlorobenzene-d4	152	9.888	9.901	(1.038)	194479	3.18707	3.187
	12 1,2-Dichlorobenzene	146	9.914	9.927	(1.040)	333826	3.41553	3.416
	11 Benzyl alcohol	108	9.786	9.786	(1.027)	289558	3.91728	3.917
	14 2,2'-oxybis(1-Chloropropane)	121	10.080	10.093	(1.058)	141785	4.33481	4.335
	13 2-Methylphenol	108	10.003	10.003	(1.050)	385478	3.63590	3.636
	17 Hexachloroethane	117	10.515	10.514	(1.103)	185404	3.59212	3.592
	16 N-Nitroso-di-n-propylamine	70	10.348	10.348	(1.086)	492194	4.03933	4.039
	15 4-Methylphenol	108	10.272	10.272	(1.078)	509640	3.39732	3.397
$	18 Nitrobenzene-d5	82	10.630	10.629	(0.884)	632721	3.95725	3.957
	19 Nitrobenzene	77	10.668	10.668	(0.887)	703622	4.09619	4.096
	20 Isophorone	82	11.102	11.102	(0.924)	1455933	5.49644	5.496
	21 2-Nitrophenol	139	11.294	11.294	(0.940)	188275	3.64904	3.649
	22 2,4-Dimethylphenol	107	11.319	11.319	(0.942)	1320512	11.1815	11.18
	23 Bis(2-Chloroethoxy)methane	93	11.524	11.523	(0.959)	609892	4.39082	4.391
	24 Benzoic acid	105	11.549	11.549	(0.961)	2023862	19.8053	19.81
	25 2,4-Dichlorophenol	162	11.741	11.728	(0.977)	846133	13.3612	13.36
	26 1,2,4-Trichlorobenzene	180	11.919	11.932	(0.992)	233987	3.33640	3.336
*	27 Naphthalene-d8	136	12.021	12.021	(1.000)	1028677	4.00000	
	28 Naphthalene	128	12.059	12.059	(1.003)	1071219	3.82884	3.829
	29 4-Chloroaniline	127	12.186	12.186	(1.014)	552123	4.33361	4.334
	30 Hexachlorobutadiene	225	12.403	12.403	(1.032)	108224	3.35744	3.357
	31 4-Chloro-3-methylphenol	107	13.117	13.117	(1.091)	1473961	12.7688	12.77
	32 2-Methylnaphthalene	142	13.449	13.449	(1.119)	689124	3.55754	3.558
	33 Hexachlorocyclopentadiene	237	13.908	13.908	(0.890)	300922	6.85297	6.853

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)
	34	2,4,6-Trichlorophenol	196	14.061	14.061	(0.900)	586467	12.0760	12.08
	35	2,4,5-Trichlorophenol	196	14.138	14.137	(0.905)	599875	13.6088	13.61
$	36	2-Fluorobiphenyl	172	14.214	14.227	(0.909)	608152	3.56318	3.563
	37	2-Chloronaphthalene	162	14.444	14.443	(0.924)	593864	3.84498	3.845
	38	2-Nitroaniline	65	14.699	14.699	(0.940)	1513117	12.1344	12.13
	39	Dimethylphthalate	163	15.120	15.119	(0.967)	679848	4.22095	4.221
	40	Acenaphthylene	152	15.324	15.324	(0.980)	937703	3.94408	3.944
	41	2,6-Dinitrotoluene	165	15.273	15.273	(0.977)	476106	13.5996	13.60
*	42	Acenaphthene-d10	164	15.630	15.630	(1.000)	461500	4.00000	
	43	3-Nitroaniline	138	15.553	15.553	(0.995)	396763	6.93559	6.936
	44	Acenaphthene	153	15.693	15.693	(1.004)	606597	4.06358	4.064
	45	2,4-Dinitrophenol	184	15.770	15.770	(1.009)	574849	26.3689	26.37
	46	Dibenzofuran	168	16.025	16.025	(1.025)	784770	3.87049	3.870
	47	4-Nitrophenol	109	15.846	15.846	(1.014)	571224	14.0157	14.02
	48	2,4-Dinitrotoluene	165	16.076	16.076	(1.029)	634855	11.5028	11.50
	50	Diethylphthalate	149	16.560	16.560	(1.060)	938133	4.53768	4.538
	49	Fluorene	166	16.726	16.726	(1.070)	654786	4.03455	4.035
	51	4-Chlorophenyl-phenylether	204	16.700	16.713	(1.068)	300950	4.10550	4.106
	52	4-Nitroaniline	138	16.827	16.827	(1.077)	535279	11.6974	11.70
	53	4,6-Dinitro-2-methylphenol	198	16.917	16.916	(0.906)	668215	23.8239	23.82
	54	N-Nitrosodiphenylamine	169	16.955	16.955	(0.909)	403760	3.56816	3.568
$	55	2,4,6-Tribromophenol	330	17.260	17.260	(1.104)	81702	5.76933	5.769
	56	4-Bromophenyl-phenylether	248	17.705	17.705	(0.949)	128739	4.13790	4.138
	57	Hexachlorobenzene	284	18.037	18.037	(0.967)	127040	3.70289	3.703
	58	Pentachlorophenol	266	18.394	18.381	(0.986)	302308	14.1068	14.11
*	59	Phenanthrene-d10	188	18.662	18.662	(1.000)	748708	4.00000	
	60	Phenanthrene	178	18.713	18.713	(1.003)	922295	4.26145	4.261
	61	Anthracene	178	18.802	18.802	(1.008)	847268	4.36492	4.365
	62	Carbazole	167	19.121	19.121	(1.025)	930127	4.65861	4.659
	63	Di-n-butylphthalate	149	19.873	19.860	(1.065)	1418391	3.94107	3.941
	64	Fluoranthene	202	21.059	21.059	(0.891)	988816	4.79223	4.792
	65	Pyrene	202	21.480	21.480	(0.908)	990590	4.59518	4.595
$	66	Terphenyl-d14	244	21.735	21.735	(0.919)	572993	3.76139	3.761
	67	Butylbenzylphthalate	149	22.641	22.641	(0.957)	630672	4.25712	4.257
	68	Benzo(a)anthracene	228	23.610	23.610	(0.998)	768457	3.96273	3.963
*	69	Chrysene-d12	240	23.649	23.648	(1.000)	504024	4.00000	
	70	3,3'-Dichlorobenzidine	252	23.559	23.559	(0.996)	196006	3.50564	3.506
	71	Chrysene	228	23.687	23.687	(1.002)	712567	4.29070	4.291
	72	bis(2-Ethylhexyl)phthalate	149	23.636	23.636	(0.959)	1009369	4.33588	4.336
*	134	Di-n-octylphthalate-d4	153	24.644	24.643	(1.000)	1414616	4.00000	
	73	Di-n-octylphthalate	149	24.656	24.656	(1.001)	1603428	4.19661	4.197
	74	Benzo(b)fluoranthene	252	25.600	25.600	(0.968)	750629	3.75717	3.757
	75	Benzo(k)fluoranthene	252	25.651	25.651	(0.970)	717885	4.23929	4.239
	76	Benzo(a)pyrene	252	26.327	26.327	(0.995)	600383	3.92283	3.923
*	77	Perylene-d12	264	26.455	26.455	(1.000)	458310	4.00000	
	78	Indeno(1,2,3-cd)pyrene	276	29.406	29.406	(1.112)	687243	3.66975	3.670
	79	Dibenzo(a,h)anthracene	278	29.419	29.419	(1.112)	577797	3.51517	3.515
	80	Benzo(g,h,i)perylene	276	30.301	30.288	(1.145)	551630	4.29675	4.297(M)
	90	N-Nitrosodimethylamine	74	5.250	5.211	(0.551)	1014607	8.84568	8.846
	91	Aniline	93	8.995	8.995	(0.944)	548301	3.08534	3.085
	93	Benzidine	184	Compound Not Detected.					
	103	Pyridine	79	5.313	5.224	(0.558)	410945	2.50604	2.506(H)
	105	1-methylnaphthalene	142	13.666	13.678	(1.137)	696862	3.92316	3.923
	111	Azobenzene (1,2-DP-Hydrazine)	77	17.031	17.031	(1.090)	1532725	4.35892	4.359

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.651	25.651	(0.970)	1375463	8.79110	8.791
120 2,3,4,6-Tetrachlorophenol	232	16.343	16.343	(1.046)	110235	3.24399	3.244

QC Flag Legend

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

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708112316.D
Lab Smp Id: BLH0180-MSD1
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230811.b\ABN.m
Misc Info:

Calibration Date: 11-AUG-2023
Calibration Time: 12:50
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	243724	121862	487448	244456	0.30
27 Naphthalene-d8	1014927	507464	2029854	1028677	1.35
42 Acenaphthene-d10	473303	236652	946606	461500	-2.49
59 Phenanthrene-d10	780320	390160	1560640	748708	-4.05
69 Chrysene-d12	509205	254603	1018410	504024	-1.02
134 Di-n-octylphthala	1278671	639336	2557342	1414616	10.63
77 Perylene-d12	502984	251492	1005968	458310	-8.88

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.53	9.03	10.03	9.53	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.66	0.00
69 Chrysene-d12	23.65	23.15	24.15	23.65	0.00
134 Di-n-octylphthala	24.64	24.14	25.14	24.64	0.00
77 Perylene-d12	26.46	25.96	26.96	26.46	0.00

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

REVIEW SUMMARY FOR FILE - NT1708112316.D

Lab ID: BLH0180-MSD1
nt17.i, ABN.m, 11-AUG-2023 21:35

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.558	0.548	0.0094	Pyridine

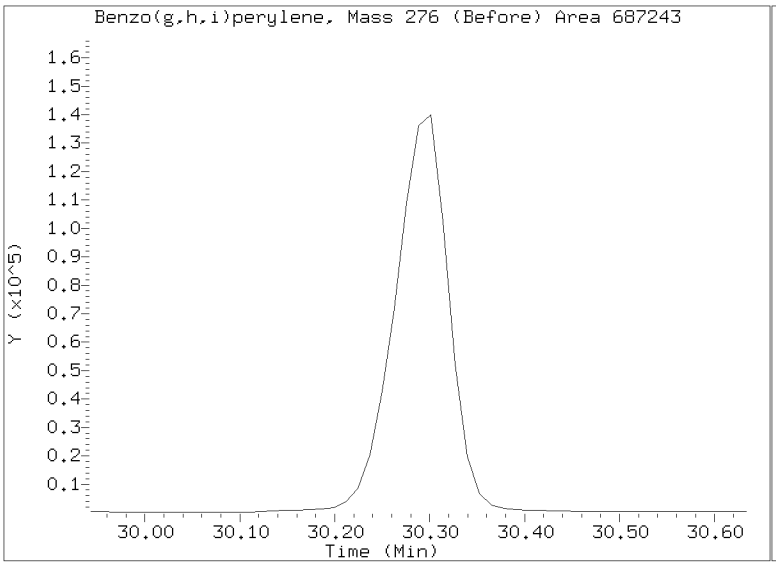
RRT check based on Ccal File: NT1708112302.D

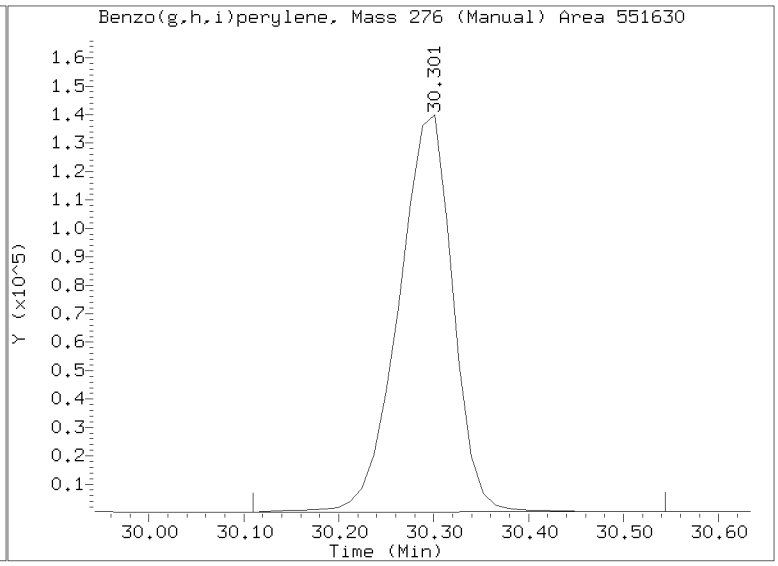
On Column LOD for nt17.i, ABN.m, ICAL.sub = 0.0000

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

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230811.b/NT1708112316.D
Injection Date: 11-AUG-2023 21:35
Lab ID:BLH0180-MSD1 Client ID:
Report Date: 08/17/2023 10:32





Analytical Resources, LLC
Analytical Chemists and Consultants

MASS SPECTROMETER
INSTRUMENT PERFORMANCE CHECK
EPA 8270E

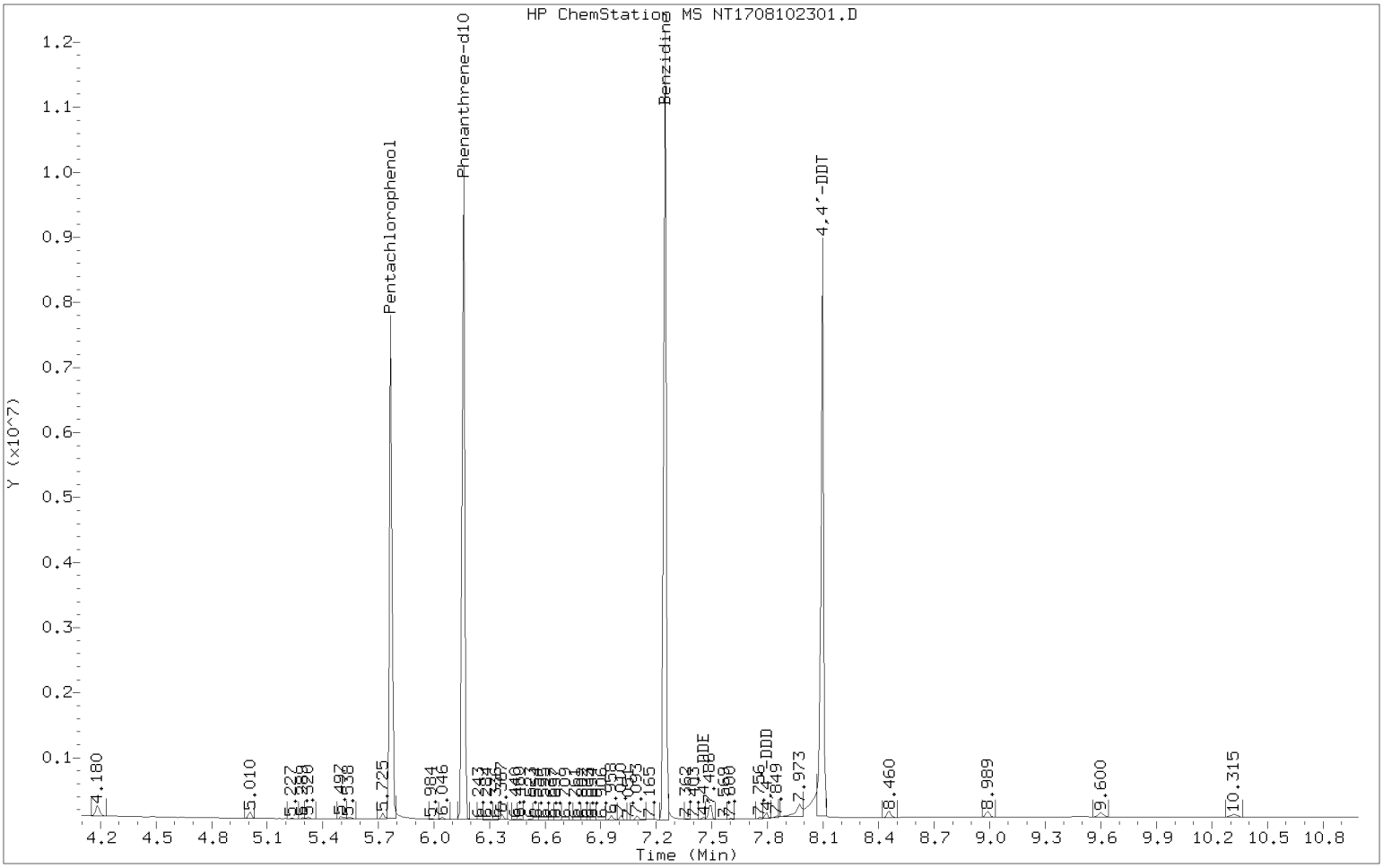
Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Lab File ID:	NT1708102301.D	Injection Date:	08/10/23
Instrument ID:	NT17	Injection Time:	12:15
Sequence:	SLH0216	Lab Sample ID:	SLH0216-TUN1

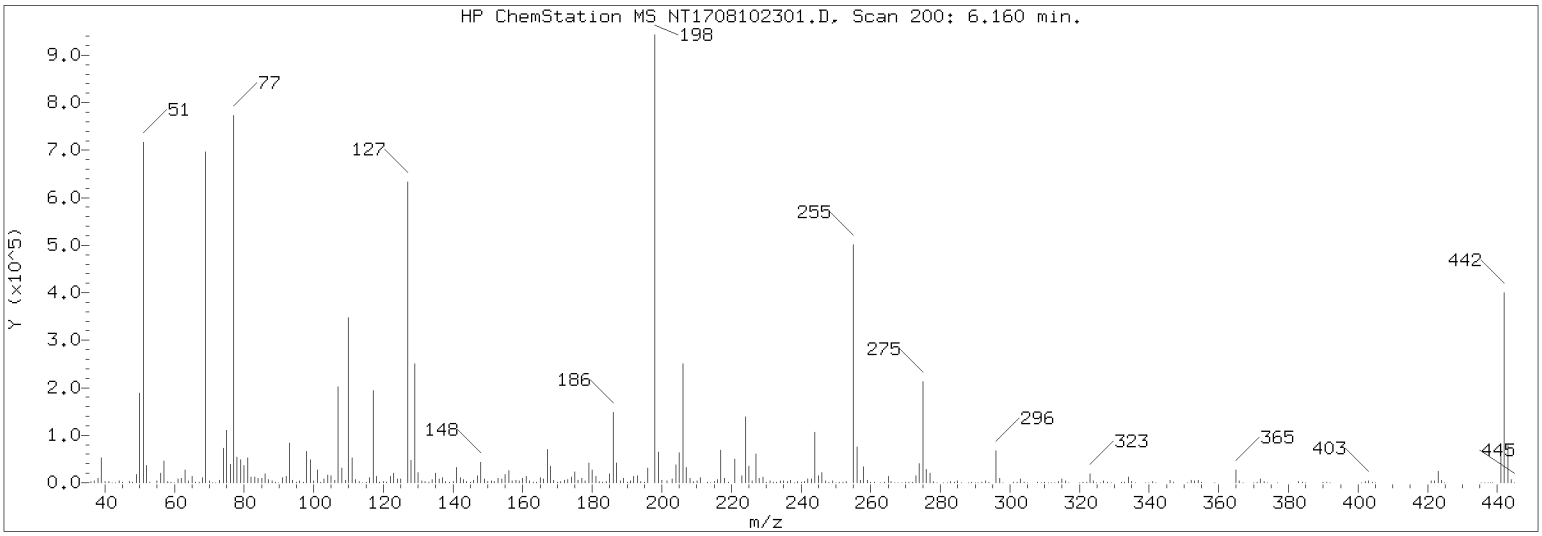
m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2% of 69	1.61	PASS
69	Less than 100% of 198	96.3	PASS
70	Less than 2% of 69	0.553	PASS
197	Less than 2% of 198	0.0334	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.89	PASS
365	1 - 100% of 198	3.24	PASS
441	Less than 150% of 443	79.5	PASS
442	1 - 200% of 198	56.5	PASS
443	15 - 24% of 442	19.6	PASS
4,4'-DDD	Less than 20% of 4,4'-DDT		
4,4'-DDE	Less than 20% of		
4,4'-DDT	Base peak, 100% relative abundance		

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
MS Tune	SLH0216-TUN1	NT1708102301.D	08/10/2023	12:15
Cal Standard	SLH0216-CAL7	NT1708102302.D	08/10/2023	12:32
Cal Standard	SLH0216-CAL6	NT1708102303.D	08/10/2023	13:09
Cal Standard	SLH0216-CAL5	NT1708102304.D	08/10/2023	13:47
Cal Standard	SLH0216-CAL4	NT1708102305.D	08/10/2023	14:24
Cal Standard	SLH0216-CAL3	NT1708102306.D	08/10/2023	15:01
Cal Standard	SLH0216-CAL2	NT1708102307.D	08/10/2023	15:38
Cal Standard	SLH0216-CAL1	NT1708102308.D	08/10/2023	16:16
Initial Cal Blank	SLH0216-ICB1	NT1708102311.D	08/10/2023	18:08
Secondary Cal Check	SLH0216-SCV1	NT1708102312.D	08/10/2023	18:45

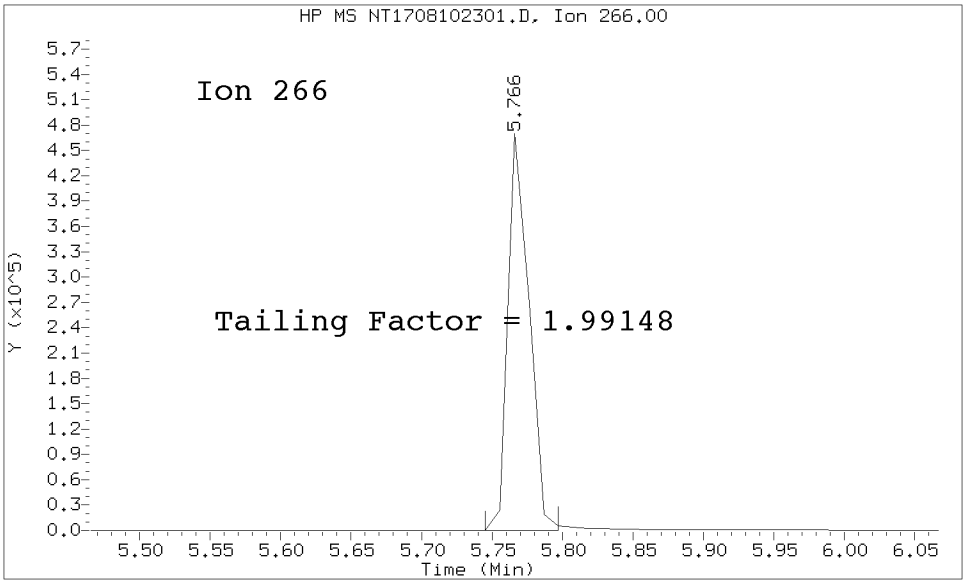
DFTPP TAILING FACTOR AND BREAKDOWN GRAPHIC REPORT

Datafile Analyzed: /20230810.b/NT1708102301.D/NT1708102301.D
Method Used: \20230810.b\DFTPP8270E.m Inst: nt17
Injection Date: 10-AUG-2023 12:15 Operator: JGR
Sample Info: SEQ-TUN1 SEQ-TUN1
Report Date: 08/15/2023 16:04



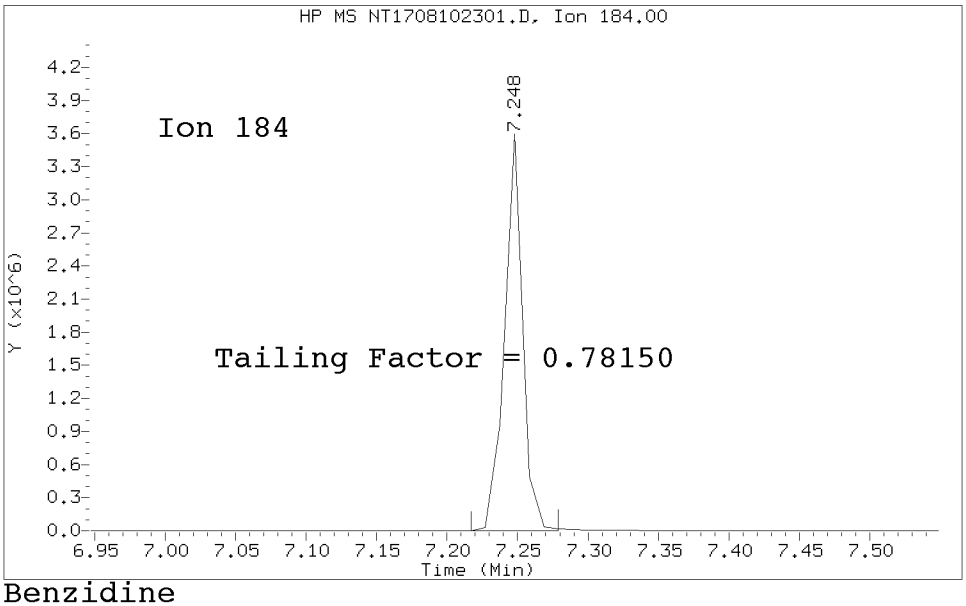


Datafile Analyzed: /20230810.b/NT1708102301.D/NT1708102301.D
Method Used: \20230810.b\DFTPP8270E.m\sw846ddt.m Inst: nt17
Injection Date: 10-AUG-2023 12:15 Operator: JGR
Sample Info: SEQ-TUN1
Report Date: 08/15/2023 16:04



Pentachlorophenol
==========
Exp. RT = 5.766
Found RT = 5.766

Tail Factor = 1.991 Maximum Allowed = 2.0



Benzidine
==========
Exp. RT = 7.248
Found RT = 7.248

Tail Factor = 0.781 Maximum Allowed = 2.0

8270 TAILING FACTOR/BREAKDOWN SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	1.9914821	2.000	PASS
Benzidine	0.7814961	2.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDT	961501			N/A
4,4-DDE	2620	0.3	20.0	PASS
4,4-DDD	10748	1.1	20.0	PASS
4,4-DDD + DDE	13368	1.4	20.0	PASS

Tuning Sample, nt17.i/20230810.b/NT1708102301.D, *** PASSED ***

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
68	Less than 2.00% of mass 69	1.55 (1.61)
69	Mass 69 relative abundance	96.32
70	Less than 2.00% of mass 69	0.53 (0.55)
197	Less than 2.00% of mass 198	0.03
199	5.00 - 9.00% of mass 198	6.89
365	1.00 - 100.00% of mass 198	3.24
441	Less than 150.00% of mass 443	8.81 (79.51)
442	Less than 200.00% of mass 198	56.54
443	15.00 - 24.00% of mass 442	11.09 (19.61)

Data File: NT1708102301.D
Spectrum: Avg. Scans 199-201 (6.16), Background Scan 194
Location of Maximum: 77.00
Number of points: 330

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	82	123.00	10031	208.00	4182	296.00	31208
37.00	1910	124.00	4411	209.00	1416	297.00	4357
38.00	5472	125.00	4254	210.00	1877	298.00	284
39.00	33024	127.00	315968	211.00	4645	301.00	356
40.00	1456	128.00	23968	212.00	212	302.00	489
41.00	828	129.00	125688	213.00	306	303.00	3453
43.00	225	130.00	10849	214.00	64	304.00	845
44.00	266	131.00	2106	215.00	1391	305.00	80
45.00	825	132.00	1221	216.00	2888	308.00	416
48.00	306	133.00	393	217.00	30976	309.00	238
49.00	2089	134.00	3537	218.00	4143	310.00	234
50.00	114632	135.00	10083	219.00	319	311.00	72
51.00	430400	136.00	4090	221.00	20792	312.00	94
52.00	21768	137.00	5638	222.00	1012	313.00	275
53.00	931	138.00	1085	223.00	6687	314.00	1468
55.00	1964	139.00	549	224.00	61440	315.00	3547
56.00	11861	140.00	1489	225.00	15511	316.00	1650
57.00	27016	141.00	15833	226.00	1779	317.00	288
58.00	1231	142.00	5060	227.00	27440	320.00	73
59.00	500	143.00	3436	228.00	4044	321.00	867
60.00	270	144.00	991	229.00	5455	322.00	427
61.00	4916	145.00	832	230.00	819	323.00	8246
62.00	5868	146.00	2735	231.00	2094	324.00	1560
63.00	15651	147.00	7707	232.00	420	325.00	93
64.00	2234	148.00	21392	233.00	503	326.00	116
65.00	7855	149.00	4072	234.00	1724	327.00	1758
66.00	616	150.00	1083	235.00	1953	328.00	890
67.00	491	151.00	1909	236.00	1509	329.00	134
68.00	6462	152.00	1078	237.00	2280	332.00	684
69.00	400576	153.00	4491	238.00	306	333.00	855
70.00	2216	154.00	3573	239.00	1199	334.00	5654
71.00	258	155.00	8302	240.00	898	335.00	1429
72.00	239	156.00	11994	241.00	1469	336.00	191
73.00	2966	157.00	2230	242.00	3347	339.00	98
74.00	41464	158.00	2440	243.00	3743	340.00	88
75.00	62480	159.00	1968	244.00	46392	341.00	1006
76.00	22256	160.00	4391	245.00	6279	342.00	233
77.00	435584	161.00	6342	246.00	9831	346.00	2307
78.00	30656	162.00	1772	247.00	1984	347.00	382
79.00	27096	163.00	444	248.00	411	351.00	128
80.00	20592	164.00	630	249.00	1471	352.00	2604
81.00	28880	165.00	5174	250.00	204	353.00	1818
82.00	6977	166.00	4167	251.00	407	354.00	2520
83.00	6489	167.00	33312	252.00	518	355.00	479
84.00	881	168.00	17592	253.00	1117	359.00	123
85.00	5001	169.00	2608	255.00	218816	365.00	13470
86.00	8342	170.00	903	256.00	32696	366.00	1907
87.00	3823	171.00	1114	257.00	2612	367.00	97
88.00	1541	172.00	2416	258.00	14911	370.00	240

89.00	713	173.00	3104	259.00	2405	371.00	614
90.00	154	174.00	5553	260.00	433	372.00	4211
91.00	5981	175.00	10445	261.00	271	373.00	1060
92.00	6902	176.00	2798	263.00	96	374.00	78
93.00	46200	177.00	4567	264.00	525	377.00	82
94.00	3007	178.00	1668	265.00	6028	383.00	1033
95.00	602	179.00	19360	266.00	865	384.00	319
96.00	1926	180.00	12919	267.00	122	385.00	88
97.00	885	181.00	6089	268.00	89	390.00	546
98.00	35376	182.00	1015	269.00	54	391.00	367
99.00	26632	183.00	508	270.00	228	392.00	222
100.00	2398	184.00	1477	271.00	468	401.00	273
101.00	14173	185.00	8995	272.00	704	402.00	1572
102.00	801	186.00	67632	273.00	6801	403.00	2301
103.00	4294	187.00	18856	274.00	17880	404.00	868
104.00	8572	188.00	2127	275.00	91240	405.00	72
105.00	8245	189.00	4571	276.00	12167	421.00	1903
106.00	2776	190.00	771	277.00	9353	422.00	1931
107.00	106104	191.00	2140	278.00	1458	423.00	13311
108.00	16216	192.00	6264	279.00	213	424.00	3128
109.00	3037	193.00	6714	281.00	219	425.00	312
110.00	177216	194.00	1329	282.00	208	435.00	63
111.00	27536	195.00	795	283.00	1045	436.00	106
112.00	3673	196.00	13226	284.00	690	437.00	159
113.00	1087	197.00	139	285.00	1558	438.00	375
114.00	234	198.00	415872	286.00	179	439.00	186
115.00	406	199.00	28640	288.00	77	440.00	291
116.00	5388	200.00	2360	289.00	283	441.00	36656
117.00	102712	201.00	1949	290.00	234	442.00	235136
118.00	7087	203.00	3486	291.00	146	443.00	46104
119.00	875	204.00	17104	292.00	339	444.00	4203
120.00	1315	205.00	28768	293.00	1908	445.00	226
121.00	569	206.00	110592	294.00	532		
122.00	6879	207.00	14413	295.00	170		

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Calibration:	GH00044	Instrument:	NT17
Calibration Date:	08/10/2023	Column (1):	ZB-5MS

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	Conc	RRF	Conc	**RRF**	Conc	RRF	Conc	RRF	Conc	**RRF**	Conc	**RRF**
Phenol	0.2	2.625091	0.5	2.564625	1	2.62667	2.5	2.637048	5	2.703452	10	2.703085
4-Methylphenol	0.2	2.008184	0.5	1.646783	1	1.753536	2.5	2.355603	5	2.420997	10	2.453653
Naphthalene	0.2	1.073012	0.5	1.040069	1	1.057998	2.5	1.069401	5	1.100588	10	1.109561
2-Methylnaphthalene	0.2	0.6746851	0.5	0.676105	1	0.7205431	2.5	0.7500329	5	0.7832961	10	0.7944793
Acenaphthylene	0.2	1.821486	0.5	1.942278	1	2.055278	2.5	2.0527	5	2.135791	10	2.15066
Dimethylphthalate	0.2	1.31941	0.5	1.300991	1	1.415656	2.5	1.422424	5	1.464672	10	1.425657
Acenaphthene	0.2	1.228774	0.5	1.191737	1	1.220388	2.5	1.268719	5	1.319627	10	1.381948
Dibenzofuran	0.2	1.696832	0.5	1.634864	1	1.70563	2.5	1.731423	5	1.779446	10	1.814477
Fluorene	0.2	1.233478	0.5	1.255901	1	1.358332	2.5	1.368385	5	1.629994	10	1.435896
Phenanthrene	0.2	1.129452	0.5	1.039249	1	1.098999	2.5	1.097829	5	1.155847	10	1.213913
Anthracene	0.2	0.8013382	0.5	0.8881507	1	1.000218	2.5	1.048768	5	1.111034	10	1.168992
Fluoranthene	0.2	1.266157	0.5	1.437628	1	1.613008	2.5	1.66135	5	1.759011	10	1.834559
Pyrene	0.2	1.446892	0.5	1.536529	1	1.668011	2.5	1.701077	5	1.799089	10	1.903315
Butylbenzylphthalate	0.2	0.5149987	0.5	0.6838339	1	0.8927413	2.5	0.9915895	5	1.107792	10	1.145779
Benzo(a)anthracene	0.2	1.332456	0.5	1.36731	1	1.460514	2.5	1.43915	5	1.578686	10	1.605729
Chrysene	0.2	1.275649	0.5	1.216043	1	1.246372	2.5	1.243352	5	1.340417	10	1.393529
bis(2-Ethylhexyl)phthalate	0.2	0.3931389	0.5	0.5076346	1	0.6090207	2.5	0.6717671	5	0.6561845	10	0.651157
Benzofluoranthenes, Total	0.4	1.173293	1	1.198946	2	1.311822	5	1.312439	10	1.388208	20	1.517963
Benzo(a)pyrene	0.2	0.7977871	0.5	0.90358	1	1.019097	2.5	1.067661	5	1.130149	10	1.256056
Indeno(1,2,3-cd)pyrene	0.2	1.034262	0.5	1.114071	1	1.271123	2.5	1.319988	5	1.439473	10	1.545911
Dibenzo(a,h)anthracene	0.2	0.9228539	0.5	1.006172	1	1.126233	2.5	1.138351	5	1.233596	10	1.328292
Benzo(g,h,i)perylene	0.2	0.9276994	0.5	0.9788893	1	1.074024	2.5	1.106928	5	1.174727	10	1.227228
2-Fluorophenol	0.3	1.694926	0.75	1.71787	1.5	1.821939	3.75	1.806386	7.5	1.829789	15	1.865853
Phenol-d5	0.3	2.341952	0.75	2.36187	1.5	2.517681	3.75	2.532352	7.5	2.656176	15	2.764929
2-Chlorophenol-d4	0.3	1.476627	0.75	1.497079	1.5	1.574053	3.75	1.56843	7.5	1.619466	15	1.696369
1,2-Dichlorobenzene-d4	0.2	1.003591	0.5	0.9470848	1	0.9710373	2.5	0.9555491	5	0.9836832	10	1.024259
Nitrobenzene-d5	0.2	0.5163306	0.5	0.5461865	1	0.6047968	2.5	0.6258326	5	0.6641355	10	0.6942179
2-Fluorobiphenyl	0.2	1.437671	0.5	1.384812	1	1.443302	2.5	1.454359	5	1.49764	10	1.507995

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Calibration:	GH00044	Instrument:	NT17
Calibration Date:	08/10/2023	Column (1):	ZB-5MS

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	Conc	RRF	Conc	**RRF**	Conc	RRF	Conc	RRF	Conc	**RRF**	Conc	**RRF**
2,4,6-Tribromophenol	0.3	7.455154E-02	0.75	9.128202E-02	1.5	0.1083335	3.75	0.1143497	7.5	0.1221423	15	0.1343708
p-Terphenyl-d14	0.2	1.068903	0.5	1.112025	1	1.19848	2.5	1.184739	5	1.221068	10	1.295345

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Calibration:	GH00044	Instrument:	NT17
Calibration Date:	08/10/2023	Column (1):	ZB-5MS

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
Phenol	20	2.818437										
4-Methylphenol	20	2.460045										
Naphthalene	20	1.164726										
2-Methylnaphthalene	20	0.8734788										
Acenaphthylene	20	2.266477										
Dimethylphthalate	20	1.423294										
Acenaphthene	20	1.445672										
Dibenzofuran	20	1.938965										
Fluorene	20	1.564715										
Phenanthrene	20	1.358608										
Anthracene	20	1.240716										
Fluoranthene	20	1.890933										
Pyrene	20	1.920717										
Butylbenzylphthalate	20	1.189985										
Benzo(a)anthracene	20	1.989029										
Chrysene	20	1.510449										
bis(2-Ethylhexyl)phthalate	20	0.6601205										
Benzofluoranthenes, Total	40	1.656155										
Benzo(a)pyrene	20	1.368726										
Indeno(1,2,3-cd)pyrene	20	1.670279										
Dibenzo(a,h)anthracene	20	1.473449										
Benzo(g,h,i)perylene	20	1.353946										
2-Fluorophenol	30	1.925851										
Phenol-d5	30	2.85457										
2-Chlorophenol-d4	30	1.793956										
1,2-Dichlorobenzene-d4	20	1.104166										
Nitrobenzene-d5	20	0.7005936										
2-Fluorobiphenyl	20	1.629462										

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Calibration:	GH00044	Instrument:	NT17
Calibration Date:	08/10/2023	Column (1):	ZB-5MS

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
2,4,6-Tribromophenol	30	0.1612474										
p-Terphenyl-d14	20	1.382113										

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Calibration:	GH00044	Instrument:	NT17
Calibration Date:	08/10/2023	Column (1):	ZB-5MS

COMPOUND	Mean RRF	RRF RSD	Linear COD	Quad COD	Limit Type & Limit	Q
Phenol	2.668344	3.1			RSD (15)	
4-Methylphenol	2.156972	16.2	0.9996		LCOD (0.99)	
Naphthalene	1.087908	3.8			RSD (15)	
2-Methylnaphthalene	0.7532315	9.4			RSD (15)	
Acenaphthylene	2.060667	7.1			RSD (15)	
Dimethylphthalate	1.396015	4.4			RSD (15)	
Acenaphthene	1.293838	7.2			RSD (15)	
Dibenzofuran	1.757377	5.6			RSD (15)	
Fluorene	1.406672	10.6			RSD (15)	
Phenanthrene	1.156271	9.0			RSD (15)	
Anthracene	1.037031	14.9			RSD (15)	
Fluoranthene	1.637521	13.6			RSD (15)	
Pyrene	1.710804	10.4			RSD (15)	
Butylbenzylphthalate	0.9323885	27.1	0.9985		LCOD (0.99)	
Benzo(a)anthracene	1.538982	14.5			RSD (15)	
Chrysene	1.317973	8.0			RSD (15)	
bis(2-Ethylhexyl)phthalate	0.5927176	17.6	0.9999		LCOD (0.99)	
Benzofluoranthenes, Total	1.365547	12.6			RSD (15)	
Benzo(a)pyrene	1.077579	18.2	0.9951		LCOD (0.99)	
Indeno(1,2,3-cd)pyrene	1.342158	17.0	0.9963		LCOD (0.99)	
Dibenzo(a,h)anthracene	1.175564	16.0	0.9947		LCOD (0.99)	
Benzo(g,h,i)perylene	1.120492	13.1			RSD (15)	
2-Fluorophenol	1.808945	4.4			RSD (15)	
Phenol-d5	2.575647	7.5			RSD (15)	
2-Chlorophenol-d4	1.603711	7.0			RSD (15)	
1,2-Dichlorobenzene-d4	0.9984815	5.4			RSD (15)	
Nitrobenzene-d5	0.6217277	11.4			RSD (15)	
2-Fluorobiphenyl	1.47932	5.3			RSD (15)	
2,4,6-Tribromophenol	0.1151825	24.6		0.9998	QCOD (0.99)	
p-Terphenyl-d14	1.208953	8.8			RSD (15)	

Analytical Resources, LLC
Analytical Chemists and Consultants

ANALYSIS SEQUENCE

SLH0216

Instrument: NT17
Calibration ID: GH00044

Printed: 8/16/2023 2:02:25PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
SLH0216-TUN1	QC		1		L005045			
SLH0216-CAL7	QC		2		L009087	K010831		
SLH0216-CAL6	QC		3		L009088	K010831		
SLH0216-CAL5	QC		4		L009089	K010831		
SLH0216-CAL4	QC		5		L009090	K010831		
SLH0216-CAL3	QC		6		L009091	K010831		
SLH0216-CAL2	QC		7		L009092	K010831		
SLH0216-CAL1	QC		8		L009093	K010831		
SLH0216-ICB1	QC		9		L006701	K010831		
SLH0216-SCV1	QC		10		L008791	K010831		

Samples Loaded By Date

Data Processed By Date

INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt17.i\20230810.b

	Time	Filename	LabID	ClientId	DF															
1	1215	NT1708102301.D	SEQ-TUN1		1	|NO ISTDS FOUND||														
2	1232	NT1708102302.D			1	| 9.54	248539||	12.03	1046971||	15.64	481797||	18.68	766315||	23.66	563919||	26.47	494156||	24.66	1639808|
3	1309	NT1708102303.D			1	| 9.54	258334||	12.02	1083639||	15.63	490823||	18.66	778281||	23.65	538907||	26.46	498729||	24.64	1490155|
4	1347	NT1708102304.D			1	| 9.53	270862||	12.02	1109588||	15.63	499186||	18.66	798865||	23.65	542628||	26.46	520366||	24.64	1404894|
5	1424	NT1708102305.D			1	| 9.53	279603||	12.02	1138252||	15.63	511339||	18.66	821206||	23.64	560014||	26.46	537645||	24.64	1303728|
6	1501	NT1708102306.D			1	| 9.53	285056||	12.02	1172460||	15.63	524184||	18.66	841333||	23.64	559759||	26.46	544580||	24.64	1275950|
7	1538	NT1708102307.D			1	| 9.53	285060||	12.02	1165038||	15.63	522162||	18.66	832093||	23.64	559750||	26.44	545696||	24.64	1233596|
8	1616	NT1708102308.D			1	| 9.53	279556||	12.02	1135048||	15.63	497374||	18.66	793323||	23.64	535147||	26.44	524200||	24.64	1130847|
9	1653	NT1708102309.D	SEQ-SIM2		1	| 9.53	285401||	12.02	1145061||	15.63	496991||	18.66	796594||	23.64	530118||	26.44	524063||	24.64	1097356|
10	1730	NT1708102310.D	SEQ-SIM1		1	| 9.53	280781||	12.02	1124586||	15.63	488303||	18.66	777582||	23.64	516742||	26.44	508408||	24.64	1038554|
11	1808	NT1708102311.D	SEQ-ICB		1	| 9.53	251285||	12.02	1039519||	15.63	452450||	18.66	737850||	23.64	468082||	26.44	482731||	24.64	944103|
12	1845	NT1708102312.D	SEQ-SCV1		1	| 9.53	238152||	12.02	999397||	15.63	458301||	18.66	768042||	23.65	513664||	26.46	497389||	24.64	1284068|

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt17.i\20230810.b

ARI Job No.: SEQ- Method: DFTPP8270E.m Instrument: nt17.i Date: 10-AUG-2023

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1215	NT1708102301.D	SEQ-TUN1		1	NO MANUAL INTEGRATION
1232	NT1708102302.D			1	Benzoic acid, 1,2-Dichlorobenzene-d4,
1309	NT1708102303.D			1	Benzoic acid, 1,2-Dichlorobenzene-d4,
1347	NT1708102304.D			1	Benzoic acid, 1,2-Dichlorobenzene-d4,
1424	NT1708102305.D			1	Benzoic acid, 1,2-Dichlorobenzene-d4,
1501	NT1708102306.D			1	1,2-Dichlorobenzene-d4,
1538	NT1708102307.D			1	1,2-Dichlorobenzene-d4,
1616	NT1708102308.D			1	Benzoic acid, 1,2-Dichlorobenzene-d4,
1653	NT1708102309.D	SEQ-SIM2		1	NO MANUAL INTEGRATION
1730	NT1708102310.D	SEQ-SIM1		1	NO MANUAL INTEGRATION
1808	NT1708102311.D	SEQ-ICB		1	NO MANUAL INTEGRATION
1845	NT1708102312.D	SEQ-SCV1		1	Benzoic acid,

Security Status Report

Date: 16-Aug-2023 14:51

NT1708102301.D	Data Locked	jrains, 16-Aug-2023 14:51
NT1708102302.D	Data Locked	jrains, 16-Aug-2023 14:51
NT1708102303.D	Data Locked	jrains, 16-Aug-2023 14:51
NT1708102304.D	Data Locked	jrains, 16-Aug-2023 14:51
NT1708102305.D	Data Locked	jrains, 16-Aug-2023 14:51
NT1708102306.D	Data Locked	jrains, 16-Aug-2023 14:51
NT1708102307.D	Data Locked	jrains, 16-Aug-2023 14:51
NT1708102308.D	Data Locked	jrains, 16-Aug-2023 14:51
NT1708102309.D	Data Locked	jrains, 16-Aug-2023 14:51
NT1708102310.D	Data Locked	jrains, 16-Aug-2023 14:51
NT1708102311.D	Data Locked	jrains, 16-Aug-2023 14:51
NT1708102312.D	Data Locked	jrains, 16-Aug-2023 14:51

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2023 12:32
End Cal Date : 10-AUG-2023 16:16
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt17.i\20230810.b\ABN.m
Last Edit : 10-Aug-2023 20:32 jrains

Calibration File Names:
Level 1: \\target\share\chem3\nt17.i\20230810.b\NT1708102308.D
Level 2: \\target\share\chem3\nt17.i\20230810.b\NT1708102307.D
Level 3: \\target\share\chem3\nt17.i\20230810.b\NT1708102306.D
Level 4: \\target\share\chem3\nt17.i\20230810.b\NT1708102305.D
Level 5: \\target\share\chem3\nt17.i\20230810.b\NT1708102304.D
Level 6: \\target\share\chem3\nt17.i\20230810.b\NT1708102303.D
Level 7: \\target\share\chem3\nt17.i\20230810.b\NT1708102302.D

Compound	0.2000000 Level 1	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	20.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
186 Carbaryl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
179 n-Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
180 n-Octadecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
169 4-tert-Butylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
170 N,N-Dimethylaniline	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
171 2,3-Dimethylaniline	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
172 2,4-Dimethylaniline	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
173 2,5-Dimethylaniline	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
174 2,6-Dimethylaniline	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
175 3,4-Dimethylaniline	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
176 3,5-Dimethylaniline	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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Compound	0.2000000 Level 1	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	20.0000 Level 7											
177 p-Benzoquinone	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
168 Pentachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
145 4,4'-DDE	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
146 4,4'-DDD	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
147 4,4'-DDT	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
148 Dieldrin	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
149 TCMX	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-

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Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
150 DCBP	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
138 Chlorobenzilate	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
139 Isodrin	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
140 Diallate A	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
141 Diallate B	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
142 1,2-Dibromo-3-Chloropropane	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
135 2,3,5,6-Tetrachlorophenol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
136 2,3,4,5-tetrachlorophenol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
133 Butylatedhydroxytoluene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
132 3,6-Dimethylphenanthrene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
131 1-Methylphenanthrene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
130 Dibenzothiophene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
129 1-Methylfluorene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
128 N-Hexadecane	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

ARI Labs, Inc.

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Last Edit : 10-Aug-2023 20:32 jrains

Compound	0.2000000 Level 1	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	20.0000 Level 7											
127 2-Isopropylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
126 N-Tetradecane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
144 alpha-Terpineol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
125 Safrole	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
124 3,4-Dimethylphenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
123 Acetophenone	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
122 Furfuraldehyde	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-

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Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
143 1,4-Dioxane	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
121 Quinoline	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
120 2,3,4,6-Tetrachlorophenol	3028 / 727893	12866	30675	83199	179354	324490	LINR	0.000e+000	0.29453		0.99523	
178 2-Benzyl-4-Chlorophenol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
119 7,12-Dimethylbenz(a)anthracen	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
118 Triphenyl Phosphate	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
117 Butyl Diphenyl Phosphate	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
116 Dibutyl Phenyl Phosphate	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
115 Tributyl Phosphate	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
114 Beta-Pinene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
113 Diphenyl Oxide	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
112 Biphenyl	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
111 Azobenzene (1,2-DP-Hydrazine)	2.64626 / 3.22568	2.89965	3.07526	3.07195	3.21216	3.20301	AVRG		3.04771		6.92504	
110 Tetrachloroguaiacol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
109 3,4,5-Trichloroguaiacol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
181 3,4,6-Trichloroguaiacol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
108 4,5,6-Trichloroguaiacol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
184 3,4-Dichloroguaiacol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
107 4,5-Dichloroguaiacol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
182 4,6-Dichloroguaiacol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
185 4-Chloroguaiacol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
106 Guaiacol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
105 1-methylnaphthalene	0.62855 / 0.78976	0.62912	0.65977	0.68412	0.70834	0.73526	AVRG		0.69070		8.51681	
151 1,2,4,5-Tetrachlorobenzene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
152 Benzo(e)pyrene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
153 Chlorpyrifos	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
154 Diazinon	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
155 Kelthane	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
156 Methyl Parathion	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
157 Ethyl Parathion	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
158 Ethion	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
159 4-Nonylphenol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
160 Tetraethyl Tin	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
161 1,2,3-Trichloronaphthalene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
162 1,2,3,4-Tetrachloronapthalene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt17.i\20230810.b\ABN.m
Last Edit : 10-Aug-2023 20:32 jrains

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
163 1,2,3,5,8-Pentachloronaphthal	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
164 1,2,3,4,6,7-Hexachloronaphtha	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
165 1,2,3,4,5,6,7-Heptachloronaph	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
166 Octachloronaphthalene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
167 2,2',4,4',5-Pentabromobipheny	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
3 Phenol	2.62509 / 2.81844	2.56462	2.62667	2.63705	2.70345	2.70309	AVRG		2.66834		3.07185	
4 Bis(2-Chloroethyl)ether	2.26452 / 2.18718	2.16962	2.23675	2.07730	2.11766	2.16868	AVRG		2.17453		2.96110	

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Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
6 2-Chlorophenol	1.55361	1.52936	1.57925	1.53932	1.62853	1.62274					
	1.74337						AVRG		1.59946		4.64643
7 1,3-Dichlorobenzene	1.71493	1.65621	1.69174	1.60435	1.68820	1.70511					
	1.78094						AVRG		1.69164		3.20019
9 1,4-Dichlorobenzene	1.68625	1.56281	1.60325	1.55426	1.61370	1.66658					
	1.76796						AVRG		1.63640		4.63252
11 Benzyl alcohol	1.07106	1.07231	1.14272	1.19379	1.29959	1.32722					
	1.35989						AVRG		1.20951		9.97220
12 1,2-Dichlorobenzene	1.57385	1.53245	1.56519	1.54294	1.59850	1.61819					
	1.76377						AVRG		1.59927		4.90129
13 2-Methylphenol	1.55675	1.59326	1.70493	1.70868	1.80109	1.83581					
	1.94299						AVRG		1.73479		7.84920
14 2,2'-oxybis(1-Chloropropane)	0.56282	0.51896	0.52724	0.50458	0.52506	0.55263					
	0.55514						AVRG		0.53520		4.05900

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Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
15 4-Methylphenol	28070	58679	124964	411646	819695	1584655						
	3057086						LINR	0.000e+000	2.45463		0.99959	
16 N-Nitroso-di-n-propylamine	1.77038	1.82861	1.96635	1.97487	2.07272	2.15304						
	2.19077						AVRG		1.99382		7.89575	
17 Hexachloroethane	0.77609	0.75397	0.81627	0.81006	0.87624	0.90890						
	0.97034						AVRG		0.84455		9.15237	
19 Nitrobenzene	0.57386	0.61168	0.65548	0.67041	0.70990	0.72288						
	0.73140						AVRG		0.66794		8.85368	
20 Isophorone	0.64848	0.68908	0.77437	0.82022	1.03697	1.04117						
	0.64268						AVRG		0.80757		21.14715	<-
21 2-Nitrophenol	5202	16375	40005	115047	256917	528615						
	1065039						LINR	0.000e+000	0.20063		0.99777	<-
22 2,4-Dimethylphenol	+++++	0.41159	0.44676	0.45430	0.46599	0.47813						
	0.49855						AVRG		0.45922		6.45857	

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Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
23 Bis(2-Chloroethoxy)methane	0.52058	0.52193	0.53381	0.52774	0.55444	0.55297					
	0.56933						AVRG		0.54012		3.48808
24 Benzoic acid	+++++	57620	219523	777952	1786771	4089055					
	8528629						LINR	0.000e+000	0.39736		0.99129
25 2,4-Dichlorophenol	+++++	62604	138622	341270	677239	1390189					
	3426544						QUAD	0.000e+000	4.39809	-0.40990	0.99996
26 1,2,4-Trichlorobenzene	0.26718	0.26900	0.26891	0.26774	0.26858	0.27548					
	0.29205						AVRG		0.27271		3.28788
28 Naphthalene	1.07301	1.04007	1.05800	1.06940	1.10059	1.10956					
	1.16473						AVRG		1.08791		3.80444
29 4-Chloroaniline	+++++	0.42945	0.45810	0.48905	0.50396	0.52793					
	0.56398						AVRG		0.49541		9.72915
30 Hexachlorobutadiene	0.11681	0.11330	0.11696	0.11857	0.12301	0.12534					
	0.16340						AVRG		0.12534		13.77018

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Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
31 4-Chloro-3-methylphenol	+++++	88829	194703	525666	1120917	2288514					
	4802476						LINR	0.000e+000	0.44887		0.99614
32 2-Methylnaphthalene	0.67469	0.67610	0.72054	0.75003	0.78330	0.79448					
	0.87348						AVRG		0.75323		9.42846
33 Hexachlorocyclopentadiene	+++++	29174	68551	185623	393313	845432					
	1893840						LINR	0.000e+000	0.38060		0.99082
34 2,4,6-Trichlorophenol	+++++	33763	78983	210576	448440	962801					
	2081304						LINR	0.000e+000	0.42093		0.99396
35 2,4,5-Trichlorophenol	+++++	0.31562	0.34309	0.37309	0.38852	0.41331					
	0.45873						AVRG		0.38206		13.30008
37 2-Chloronaphthalene	1.24168	1.25725	1.30819	1.32125	1.38911	1.39801					
	1.45537						AVRG		1.33869		5.86231
38 2-Nitroaniline	+++++	86845	213945	578943	1271869	2596523					
	5265169						LINR	0.000e+000	1.08080		0.99844

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Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
39 Dimethylphthalate	1.31941	1.30099	1.41566	1.42242	1.46467	1.42566					
	1.42329						AVRG		1.39601		4.36878
40 Acenaphthylene	1.82149	1.94228	2.05528	2.05270	2.13579	2.15066					
	2.26648						AVRG		2.06067		7.07177
41 2,6-Dinitrotoluene	+++++	0.23315	0.27639	0.30786	0.32072	0.33081					
	0.35166						AVRG		0.30343		14.03211
43 3-Nitroaniline	+++++	42800	95359	229920	559104	1172704					
	2430990						LINR	0.000e+000	0.49583		0.99621
44 Acenaphthene	1.22877	1.19174	1.22039	1.26872	1.31963	1.38195					
	1.44567						AVRG		1.29384		7.20671
45 2,4-Dinitrophenol	+++++	14794	46971	175306	445095	1003475					
	2264425						QUAD	0.000e+000	5.67025	-0.30337	0.99887
46 Dibenzofuran	1.69683	1.63486	1.70563	1.73142	1.77945	1.81448					
	1.93897						AVRG		1.75738		5.63062

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Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
47 4-Nitrophenol	+++++ / 1736690	24096	62133	174195	386716	828283	LINR	0.000e+000	0.35325		0.99558
48 2,4-Dinitrotoluene	+++++ / 2342226	39856	98522	260686	549193	1128026	LINR	0.000e+000	0.47836		0.99773
49 Fluorene	1.23348 / 1.56471	1.25590	1.35833	1.36839	1.62999	1.43590	AVRG		1.40667		10.55370
50 Diethylphthalate	30072 / 4285365	85611	191473	555766	1302369	2164674	LINR	0.000e+000	1.79192		0.99749
51 4-Chlorophenyl-phenylether	0.54092 / 0.75731	0.51746	0.64596	0.65869	0.65029	0.67685	AVRG		0.63536		12.89778
52 4-Nitroaniline	+++++ / 0.47485	0.34600	0.33576	0.35302	0.42000	0.45012	AVRG		0.39662		14.99907
53 4,6-Dinitro-2-methylphenol	+++++ / 2371512	25423	70560	224727	494130	1059237	LINR	0.000e+000	0.14985		0.99009

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Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
54 N-Nitrosodiphenylamine	0.54107	0.58092	0.60612	0.58669	0.60094	0.61890					
	0.69717						AVRG		0.60454		7.90658
56 4-Bromophenyl-phenylether	0.14811	0.14646	0.16028	0.16037	0.17302	0.17724					
	0.19804						AVRG		0.16622		10.89492
57 Hexachlorobenzene	0.18590	0.17722	0.17785	0.17356	0.17841	0.18679					
	0.20332						AVRG		0.18329		5.47963
58 Pentachlorophenol	+++++	11071	31706	95198	213205	478192					
	1110448						QUAD	0.000e+000	9.44785	-1.76712	0.99941
60 Phenanthrene	1.12945	1.03925	1.09900	1.09783	1.15585	1.21391					
	1.35861						AVRG		1.15627		9.02736
61 Anthracene	0.80134	0.88815	1.00022	1.04877	1.11103	1.16899					
	1.24072						AVRG		1.03703		14.91731
62 Carbazole	37956	105103	217086	431639	931000	2353462					
	5426024						QUAD	0.000e+000	0.98723	-0.04003	0.99770

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Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
63 Di-n-butylphthalate	34818	117463	292054	805732	1763355	3586809					
	7494672						LINR	0.000e+000	1.92278		0.99745
64 Fluoranthene	1.26616	1.43763	1.61301	1.66135	1.75901	1.83456					
	1.89093						AVRG		1.63752		13.58307
65 Pyrene	1.44689	1.53653	1.66801	1.70108	1.79909	1.90331					
	1.92072						AVRG		1.71080		10.42527
67 Butylbenzylphthalate	13780	47847	124930	347065	751399	1543671					
	3355276						LINR	0.000e+000	1.17570		0.99848
68 Benzo(a)anthracene	1.33246	1.36731	1.46051	1.43915	1.57869	1.60573					
	1.98903						AVRG		1.53898		14.45235
70 3,3'-Dichlorobenzidine	28882	87566	147517	323992	720031	2233262					
	6128112						QUAD	0.000e+000	2.28629	-0.08390	0.99387
71 Chrysene	1.27565	1.21604	1.24637	1.24335	1.34042	1.39353					
	1.51045						AVRG		1.31797		7.96591

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72 bis(2-Ethylhexyl)phthalate	22229	78277	194270	547376	1152337	2425812					
	5412354						LINR	0.000e+000	0.65825		0.99986
73 Di-n-octylphthalate	1.14498	1.08591	1.13016	1.08335	1.06811	1.04402					
	1.00605						AVRG		1.08037		4.42119
74 Benzo(b)fluoranthene	30559	78761	207614	493767	951101	2068350					
	4403204						LINR	0.000e+000	1.74367		0.99589
75 Benzo(k)fluoranthene	1.39779	1.43859	1.31621	1.36432	1.49078	1.55898					
	1.77906						AVRG		1.47796		10.49816
187 Total Benzofluoranthenes	1.17329	1.19895	1.31182	1.31244	1.38970	1.51796					
	1.65615						AVRG		1.36576		12.63577
76 Benzo(a)pyrene	20910	61635	138745	358764	735114	1566079					
	3381820						LINR	0.000e+000	1.33576		0.99510
78 Indeno(1,2,3-cd)pyrene	27108	75993	173057	443553	936316	1927476					
	4126891						LINR	0.000e+000	1.63446		0.99632

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Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
79 Dibenzo(a,h)anthracene	24188	68633	153331	382518	802402	1656144						
	3640569						LINR	0.000e+000	1.43459		0.99465	
80 Benzo(g,h,i)perylene	27108	75993	173057	443553	936316	1927476						
	4126891						LINR	0.000e+000	1.63446		0.99632	
90 N-Nitrosodimethylamine	1.87379	1.83751	1.89251	1.87371	1.88729	1.90219						
	1.87085						AVRG		1.87683		1.10894	
91 Aniline	+++++	2.74321	2.80536	2.82046	2.95759	3.04704						
	3.07355						AVRG		2.90787		4.72901	
92 1,2-Diphenylhydrazine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
93 Benzidine	+++++	92734	155805	354857	972073	2564196						
	6037151						QUAD	0.000e+000	1.26537	-0.03138	0.99585	
96 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-

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Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
97 Caffeine	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
98 Retene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
99 Perylene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
100 3-beta-Coprostanol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
101 Cholesterol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
102 beta-Sitosterol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
103 Pyridine	2.75254 / 2.76590	2.67648	2.69530	2.56939	2.59777	2.72508	AVRG		2.68321		2.79905	

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188 2,6-Dichlorophenol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
189 N-Nitrosomethylethylamine	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
$ 1 2-Fluorophenol	1.69493 / 1.92585	1.71787	1.82194	1.80639	1.82979	1.86585	AVRG		1.80894		4.44604	
$ 137 d8-1,4-Dioxane	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
$ 2 Phenol-d5	2.34195 / 2.85457	2.36187	2.51768	2.53235	2.65618	2.76493	AVRG		2.57565		7.52947	
$ 5 2-Chlorophenol-d4	1.47663 / 1.79396	1.49708	1.57405	1.56843	1.61947	1.69637	AVRG		1.60371		6.95629	
$ 10 1,2-Dichlorobenzene-d4	1.00359 / 1.10417	0.94708	0.97104	0.95555	0.98368	1.02426	AVRG		0.99848		5.38045	

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2023 12:32
End Cal Date : 10-AUG-2023 16:16
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt17.i\20230810.b\ABN.m
Last Edit : 10-Aug-2023 20:32 jrains

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
$ 18 Nitrobenzene-d5	0.51633	0.54619	0.60480	0.62583	0.66414	0.69422						
	0.70059						AVRG		0.62173		11.44725	
$ 36 2-Fluorobiphenyl	1.43767	1.38481	1.44330	1.45436	1.49764	1.50800						
	1.62946						AVRG		1.47932		5.25702	
$ 55 2,4,6-Tribromophenol	2781	8937	21295	54817	114322	247321						
	582664						QUAD	0.000e+000	8.48162	-1.88943	0.99991	
$ 66 Terphenyl-d14	1.06890	1.11203	1.19848	1.18474	1.22107	1.29534						
	1.38211						AVRG		1.20895		8.76035	
$ 85 p-Cresol-d4	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
$ 86 Anthracene-d10	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
$ 87 Fluoranthene-d10	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2023 12:32
End Cal Date : 10-AUG-2023 16:16
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt17.i\20230810.b\ABN.m
Last Edit : 10-Aug-2023 20:32 jrains

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
$ 88 Dibenz(a,h)anthracene-d14	+++++ / +++++	+++++	+++++	+++++	+++++	+++++ / +++++	AVRG		0.000e+000		0.000e+000	<-
$ 89 Diphenyl-d10	+++++ / +++++	+++++	+++++	+++++	+++++	+++++ / +++++	AVRG		0.000e+000		0.000e+000	<-
$ 95 D10-1-methylnaphthalene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++ / +++++	AVRG		0.000e+000		0.000e+000	<-

ARI Labs, Inc.

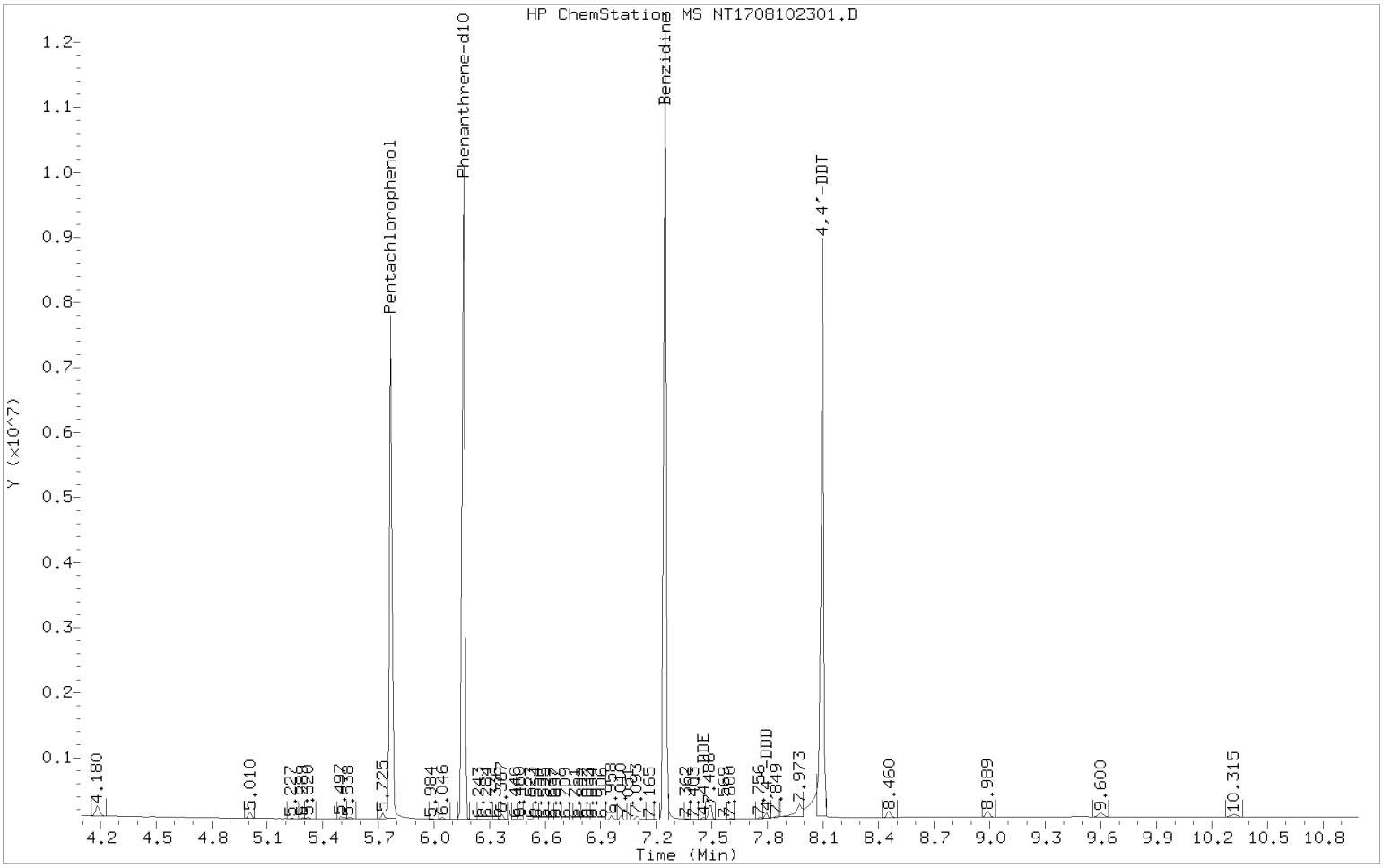
INITIAL CALIBRATION DATA

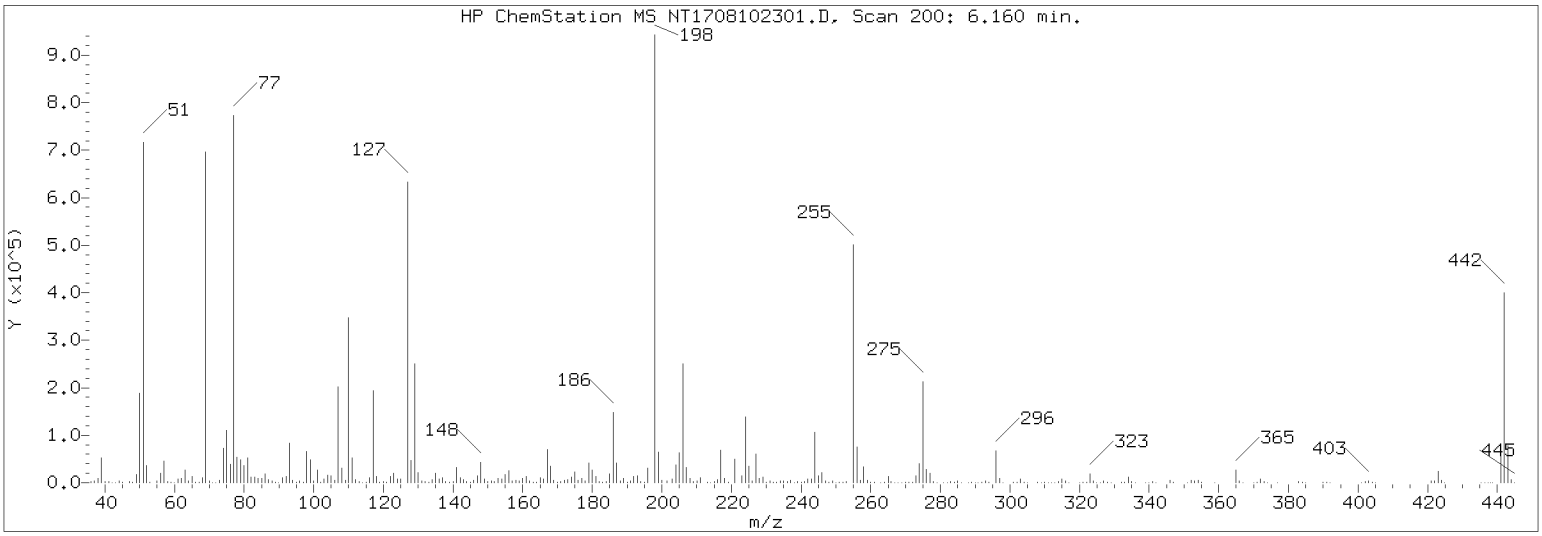
Start Cal Date : 10-AUG-2023 12:32
End Cal Date : 10-AUG-2023 16:16
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt17.i\20230810.b\ABN.m
Last Edit : 10-Aug-2023 20:32 jrains

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

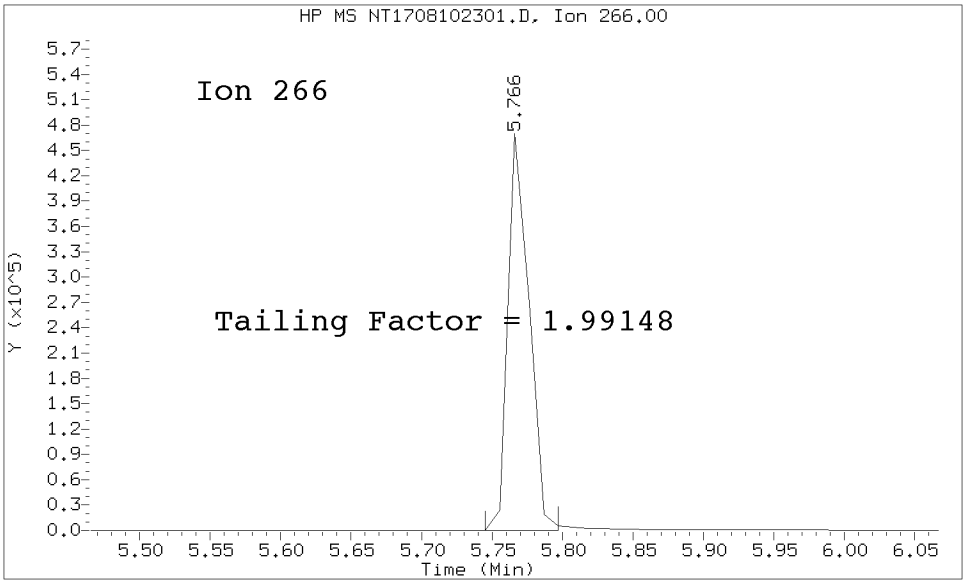
DFTPP TAILING FACTOR AND BREAKDOWN GRAPHIC REPORT

Datafile Analyzed: /20230810.b/NT1708102301.D/NT1708102301.D
Method Used: \20230810.b\DFTPP8270E.m Inst: nt17
Injection Date: 10-AUG-2023 12:15 Operator: JGR
Sample Info: SEQ-TUN1 SEQ-TUN1
Report Date: 08/15/2023 16:04



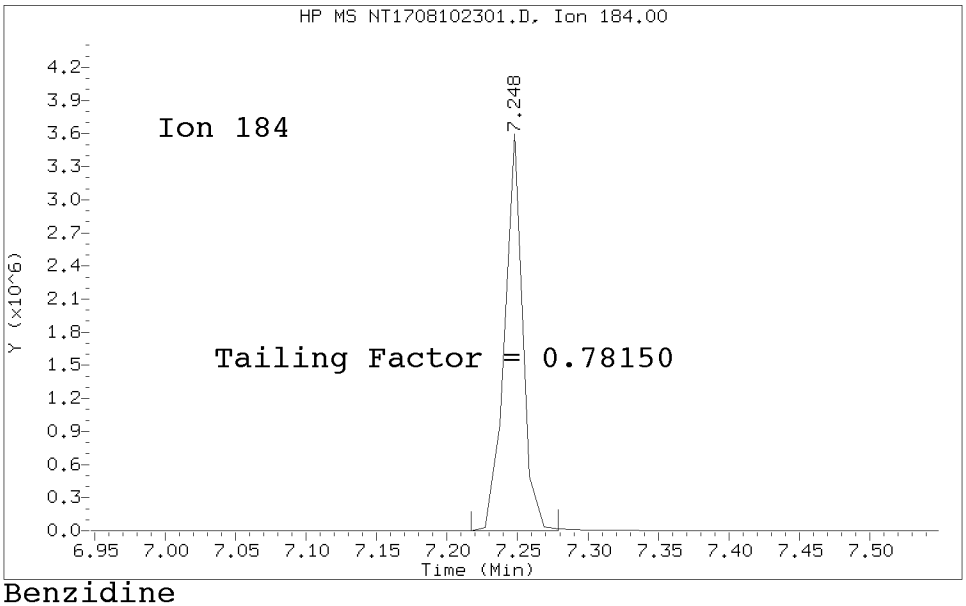


Datafile Analyzed: /20230810.b/NT1708102301.D/NT1708102301.D
Method Used: \20230810.b\DFTPP8270E.m\sw846ddt.m Inst: nt17
Injection Date: 10-AUG-2023 12:15 Operator: JGR
Sample Info: SEQ-TUN1
Report Date: 08/15/2023 16:04



Pentachlorophenol
==========
Exp. RT = 5.766
Found RT = 5.766

Tail Factor = 1.991 Maximum Allowed = 2.0



Benzidine
==========
Exp. RT = 7.248
Found RT = 7.248

Tail Factor = 0.781 Maximum Allowed = 2.0

8270 TAILING FACTOR/BREAKDOWN SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	1.9914821	2.000	PASS
Benzidine	0.7814961	2.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDT	961501			N/A
4,4-DDE	2620	0.3	20.0	PASS
4,4-DDD	10748	1.1	20.0	PASS
4,4-DDD + DDE	13368	1.4	20.0	PASS

Tuning Sample, nt17.i/20230810.b/NT1708102301.D, *** PASSED ***

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
68	Less than 2.00% of mass 69	1.55 (1.61)
69	Mass 69 relative abundance	96.32
70	Less than 2.00% of mass 69	0.53 (0.55)
197	Less than 2.00% of mass 198	0.03
199	5.00 - 9.00% of mass 198	6.89
365	1.00 - 100.00% of mass 198	3.24
441	Less than 150.00% of mass 443	8.81 (79.51)
442	Less than 200.00% of mass 198	56.54
443	15.00 - 24.00% of mass 442	11.09 (19.61)

Data File: NT1708102301.D
Spectrum: Avg. Scans 199-201 (6.16), Background Scan 194
Location of Maximum: 77.00
Number of points: 330

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	82	123.00	10031	208.00	4182	296.00	31208
37.00	1910	124.00	4411	209.00	1416	297.00	4357
38.00	5472	125.00	4254	210.00	1877	298.00	284
39.00	33024	127.00	315968	211.00	4645	301.00	356
40.00	1456	128.00	23968	212.00	212	302.00	489
41.00	828	129.00	125688	213.00	306	303.00	3453
43.00	225	130.00	10849	214.00	64	304.00	845
44.00	266	131.00	2106	215.00	1391	305.00	80
45.00	825	132.00	1221	216.00	2888	308.00	416
48.00	306	133.00	393	217.00	30976	309.00	238
49.00	2089	134.00	3537	218.00	4143	310.00	234
50.00	114632	135.00	10083	219.00	319	311.00	72
51.00	430400	136.00	4090	221.00	20792	312.00	94
52.00	21768	137.00	5638	222.00	1012	313.00	275
53.00	931	138.00	1085	223.00	6687	314.00	1468
55.00	1964	139.00	549	224.00	61440	315.00	3547
56.00	11861	140.00	1489	225.00	15511	316.00	1650
57.00	27016	141.00	15833	226.00	1779	317.00	288
58.00	1231	142.00	5060	227.00	27440	320.00	73
59.00	500	143.00	3436	228.00	4044	321.00	867
60.00	270	144.00	991	229.00	5455	322.00	427
61.00	4916	145.00	832	230.00	819	323.00	8246
62.00	5868	146.00	2735	231.00	2094	324.00	1560
63.00	15651	147.00	7707	232.00	420	325.00	93
64.00	2234	148.00	21392	233.00	503	326.00	116
65.00	7855	149.00	4072	234.00	1724	327.00	1758
66.00	616	150.00	1083	235.00	1953	328.00	890
67.00	491	151.00	1909	236.00	1509	329.00	134
68.00	6462	152.00	1078	237.00	2280	332.00	684
69.00	400576	153.00	4491	238.00	306	333.00	855
70.00	2216	154.00	3573	239.00	1199	334.00	5654
71.00	258	155.00	8302	240.00	898	335.00	1429
72.00	239	156.00	11994	241.00	1469	336.00	191
73.00	2966	157.00	2230	242.00	3347	339.00	98
74.00	41464	158.00	2440	243.00	3743	340.00	88
75.00	62480	159.00	1968	244.00	46392	341.00	1006
76.00	22256	160.00	4391	245.00	6279	342.00	233
77.00	435584	161.00	6342	246.00	9831	346.00	2307
78.00	30656	162.00	1772	247.00	1984	347.00	382
79.00	27096	163.00	444	248.00	411	351.00	128
80.00	20592	164.00	630	249.00	1471	352.00	2604
81.00	28880	165.00	5174	250.00	204	353.00	1818
82.00	6977	166.00	4167	251.00	407	354.00	2520
83.00	6489	167.00	33312	252.00	518	355.00	479
84.00	881	168.00	17592	253.00	1117	359.00	123
85.00	5001	169.00	2608	255.00	218816	365.00	13470
86.00	8342	170.00	903	256.00	32696	366.00	1907
87.00	3823	171.00	1114	257.00	2612	367.00	97
88.00	1541	172.00	2416	258.00	14911	370.00	240

89.00	713	173.00	3104	259.00	2405	371.00	614
90.00	154	174.00	5553	260.00	433	372.00	4211
91.00	5981	175.00	10445	261.00	271	373.00	1060
92.00	6902	176.00	2798	263.00	96	374.00	78
93.00	46200	177.00	4567	264.00	525	377.00	82
94.00	3007	178.00	1668	265.00	6028	383.00	1033
95.00	602	179.00	19360	266.00	865	384.00	319
96.00	1926	180.00	12919	267.00	122	385.00	88
97.00	885	181.00	6089	268.00	89	390.00	546
98.00	35376	182.00	1015	269.00	54	391.00	367
99.00	26632	183.00	508	270.00	228	392.00	222
100.00	2398	184.00	1477	271.00	468	401.00	273
101.00	14173	185.00	8995	272.00	704	402.00	1572
102.00	801	186.00	67632	273.00	6801	403.00	2301
103.00	4294	187.00	18856	274.00	17880	404.00	868
104.00	8572	188.00	2127	275.00	91240	405.00	72
105.00	8245	189.00	4571	276.00	12167	421.00	1903
106.00	2776	190.00	771	277.00	9353	422.00	1931
107.00	106104	191.00	2140	278.00	1458	423.00	13311
108.00	16216	192.00	6264	279.00	213	424.00	3128
109.00	3037	193.00	6714	281.00	219	425.00	312
110.00	177216	194.00	1329	282.00	208	435.00	63
111.00	27536	195.00	795	283.00	1045	436.00	106
112.00	3673	196.00	13226	284.00	690	437.00	159
113.00	1087	197.00	139	285.00	1558	438.00	375
114.00	234	198.00	415872	286.00	179	439.00	186
115.00	406	199.00	28640	288.00	77	440.00	291
116.00	5388	200.00	2360	289.00	283	441.00	36656
117.00	102712	201.00	1949	290.00	234	442.00	235136
118.00	7087	203.00	3486	291.00	146	443.00	46104
119.00	875	204.00	17104	292.00	339	444.00	4203
120.00	1315	205.00	28768	293.00	1908	445.00	226
121.00	569	206.00	110592	294.00	532		
122.00	6879	207.00	14413	295.00	170		

Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102302.D

Page 1

Date : 10-AUG-2023 12:32

Client ID:

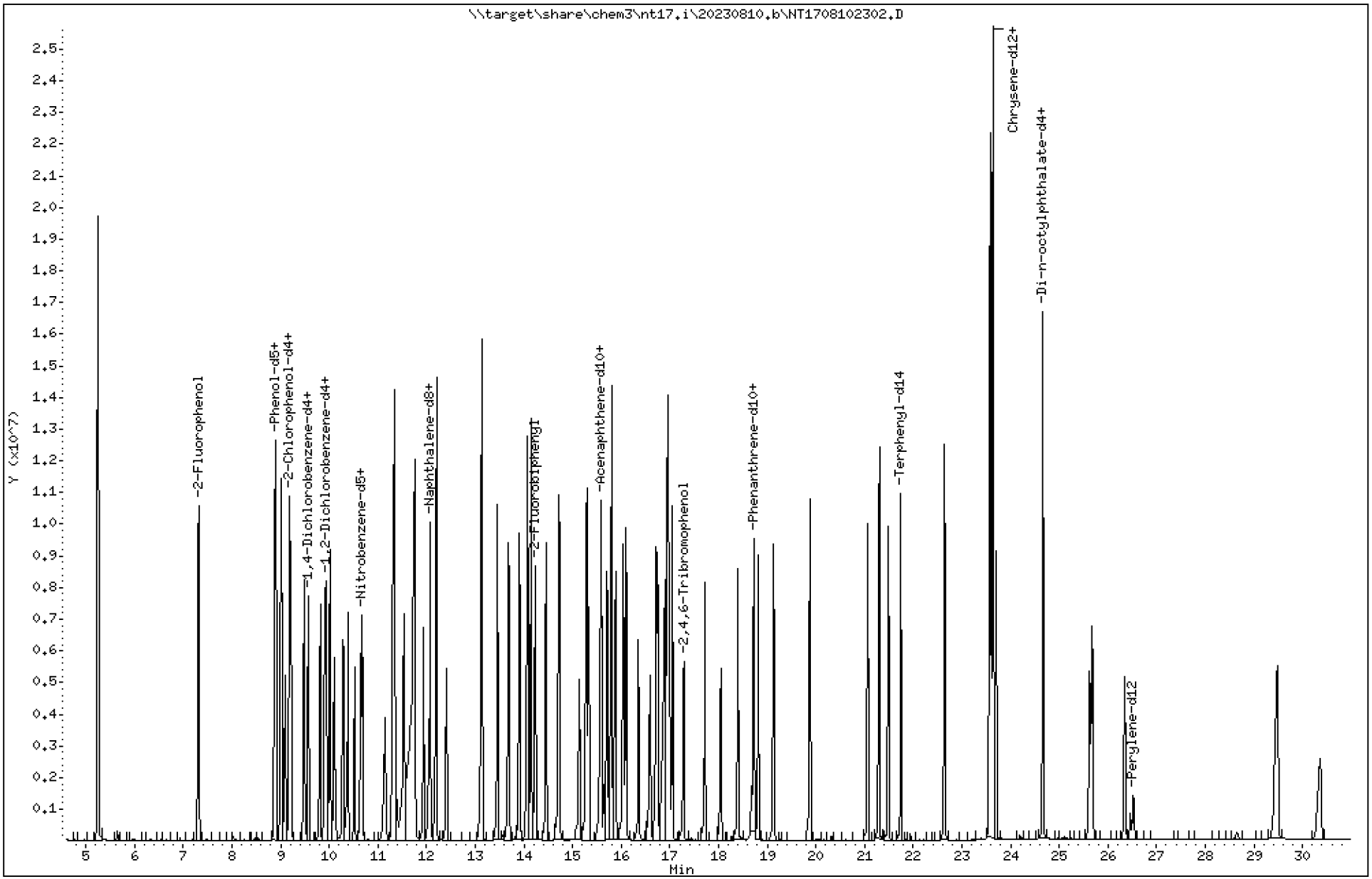
Instrument: nt17.i

Sample Info: SEQ-CAL7

Operator: JGR

Column phase: ZB-5msi

Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt17.i\20230810.b\NT1708102302.D
Lab Smp Id:
Inj Date : 10-AUG-2023 12:32
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-CAL7
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt17.i\20230810.b\ABN.m
Meth Date : 15-Aug-2023 16:16 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:16 Cal File: NT1708102308.D
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	7.313	7.301	(0.766)	3589868	30.0000	31.94
$	2 Phenol-d5	99	8.893	8.855	(0.932)	5321040	30.0000	33.25
	3 Phenol	94	8.906	8.880	(0.933)	3502458	20.0000	21.12
$	5 2-Chlorophenol-d4	132	9.186	9.161	(0.963)	3344011	30.0000	33.56
	4 Bis(2-Chloroethyl)ether	93	9.084	9.071	(0.952)	2717995	20.0000	20.12
	6 2-Chlorophenol	128	9.212	9.199	(0.965)	2166476	20.0000	21.80
	7 1,3-Dichlorobenzene	146	9.480	9.467	(0.993)	2213164	20.0000	21.06
*	8 1,4-Dichlorobenzene-d4	152	9.543	9.531	(1.000)	248539	4.00000	
	9 1,4-Dichlorobenzene	146	9.569	9.569	(1.003)	2197036	20.0000	21.61
$	10 1,2-Dichlorobenzene-d4	152	9.901	9.902	(1.037)	1372142	20.0000	22.12(M)
	12 1,2-Dichlorobenzene	146	9.927	9.927	(1.040)	2191831	20.0000	22.06
	11 Benzyl alcohol	108	9.812	9.786	(1.028)	1689931	20.0000	22.49
	14 2,2'-oxybis(1-Chloropropane)	121	10.093	10.080	(1.058)	689865	20.0000	20.74
	13 2-Methylphenol	108	10.016	10.003	(1.050)	2414546	20.0000	22.40
	17 Hexachloroethane	117	10.515	10.514	(1.102)	1205841	20.0000	22.98
	16 N-Nitroso-di-n-propylamine	70	10.387	10.348	(1.088)	2722459	20.0000	21.98
	15 4-Methylphenol	108	10.285	10.259	(1.078)	3057086	20.0000	20.04
$	18 Nitrobenzene-d5	82	10.642	10.629	(0.884)	3667506	20.0000	22.54
	19 Nitrobenzene	77	10.681	10.668	(0.888)	3828777	20.0000	21.90
	20 Isophorone	82	11.140	11.103	(0.926)	3364342	20.0000	12.48
	21 2-Nitrophenol	139	11.306	11.294	(0.940)	1065039	20.0000	20.28
	22 2,4-Dimethylphenol	107	11.332	11.306	(0.942)	5219686	40.0000	43.43
	23 Bis(2-Chloroethoxy)methane	93	11.536	11.511	(0.959)	2980386	20.0000	21.08
	24 Benzoic acid	105	11.728	11.396	(0.975)	8528629	80.0000	82.00(M)
	25 2,4-Dichlorophenol	162	11.753	11.728	(0.977)	3426544	40.0000	40.01
	26 1,2,4-Trichlorobenzene	180	11.932	11.919	(0.992)	1528858	20.0000	21.42
*	27 Naphthalene-d8	136	12.034	12.021	(1.000)	1046971	4.00000	
	28 Naphthalene	128	12.072	12.059	(1.003)	6097170	20.0000	21.41
	29 4-Chloroaniline	127	12.199	12.174	(1.014)	5904707	40.0000	45.54
	30 Hexachlorobutadiene	225	12.416	12.403	(1.032)	855357	20.0000	26.07
	31 4-Chloro-3-methylphenol	107	13.130	13.118	(1.091)	4802476	40.0000	40.88
	32 2-Methylnaphthalene	142	13.462	13.449	(1.119)	4572535	20.0000	23.19
	33 Hexachlorocyclopentadiene	237	13.908	13.908	(0.889)	1893840	40.0000	41.31

		QUANT SIG					AMOUNTS CAL-AMT	ON-COL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
34	2,4,6-Trichlorophenol	196	14.074	14.061	(0.900)	2081304	40.0000	41.05
35	2,4,5-Trichlorophenol	196	14.150	14.125	(0.905)	2210143	40.0000	48.03
$ 36	2-Fluorobiphenyl	172	14.227	14.214	(0.910)	3925349	20.0000	22.03
37	2-Chloronaphthalene	162	14.456	14.444	(0.924)	3505959	20.0000	21.74
38	2-Nitroaniline	65	14.724	14.699	(0.941)	5265169	40.0000	40.44
39	Dimethylphthalate	163	15.145	15.107	(0.968)	3428694	20.0000	20.39
40	Acenaphthylene	152	15.336	15.311	(0.980)	5459910	20.0000	22.00
41	2,6-Dinitrotoluene	165	15.298	15.260	(0.978)	1694286	40.0000	46.36
* 42	Acenaphthene-d10	164	15.642	15.630	(1.000)	481797	4.00000	
43	3-Nitroaniline	138	15.591	15.541	(0.997)	2430990	40.0000	40.70
44	Acenaphthene	153	15.706	15.693	(1.004)	3482602	20.0000	22.35
45	2,4-Dinitrophenol	184	15.808	15.758	(1.011)	2264425	80.0000	79.79
46	Dibenzofuran	168	16.037	16.012	(1.025)	4670938	20.0000	22.07
47	4-Nitrophenol	109	15.885	15.834	(1.015)	1736690	40.0000	40.82
48	2,4-Dinitrotoluene	165	16.101	16.062	(1.029)	2342226	40.0000	40.65
50	Diethylphthalate	149	16.586	16.559	(1.060)	4285365	20.0000	19.85
49	Fluorene	166	16.751	16.726	(1.071)	3769374	20.0000	22.25
51	4-Chlorophenyl-phenylether	204	16.726	16.700	(1.069)	1824353	20.0000	23.84
52	4-Nitroaniline	138	16.891	16.815	(1.080)	2287793	40.0000	47.89
53	4,6-Dinitro-2-methylphenol	198	16.955	16.904	(0.908)	2371512	80.0000	82.61
54	N-Nitrosodiphenylamine	169	16.980	16.955	(0.909)	2671271	20.0000	23.06
$ 55	2,4,6-Tribromophenol	330	17.286	17.261	(1.105)	582664	30.0000	29.98
56	4-Bromophenyl-phenylether	248	17.718	17.705	(0.949)	758792	20.0000	23.83
57	Hexachlorobenzene	284	18.050	18.037	(0.967)	779045	20.0000	22.19
58	Pentachlorophenol	266	18.407	18.394	(0.986)	1110448	40.0000	39.92
* 59	Phenanthrene-d10	188	18.675	18.662	(1.000)	766315	4.00000	
60	Phenanthrene	178	18.726	18.700	(1.003)	5205610	20.0000	23.50
61	Anthracene	178	18.815	18.802	(1.008)	4753895	20.0000	23.93
62	Carbazole	167	19.134	19.121	(1.025)	5426024	20.0000	19.93
63	Di-n-butylphthalate	149	19.873	19.861	(1.064)	7494672	20.0000	20.35
64	Fluoranthene	202	21.072	21.059	(0.891)	5331665	20.0000	23.10
65	Pyrene	202	21.493	21.480	(0.908)	5415644	20.0000	22.45
$ 66	Terphenyl-d14	244	21.748	21.735	(0.919)	3896998	20.0000	22.86
67	Butylbenzylphthalate	149	22.641	22.641	(0.957)	3355276	20.0000	20.24
68	Benzo(a)anthracene	228	23.636	23.610	(0.999)	5608256	20.0000	25.85
* 69	Chrysene-d12	240	23.661	23.636	(1.000)	563919	4.00000	
70	3,3'-Dichlorobenzidine	252	23.585	23.560	(0.997)	6128112	60.0000	59.75
71	Chrysene	228	23.712	23.687	(1.002)	4258855	20.0000	22.92
72	bis(2-Ethylhexyl)phthalate	149	23.636	23.636	(0.959)	5412354	20.0000	20.06
* 134	Di-n-octylphthalate-d4	153	24.656	24.643	(1.000)	1639808	4.00000	
73	Di-n-octylphthalate	149	24.669	24.656	(1.001)	8248637	20.0000	18.62
74	Benzo(b)fluoranthene	252	25.626	25.601	(0.968)	4403204	20.0000	20.44
75	Benzo(k)fluoranthene	252	25.677	25.638	(0.970)	4395669	20.0000	24.07
76	Benzo(a)pyrene	252	26.353	26.315	(0.996)	3381820	20.0000	20.49
* 77	Perylene-d12	264	26.468	26.442	(1.000)	494156	4.00000	
78	Indeno(1,2,3-cd)pyrene	276	29.470	29.381	(1.113)	4126891	20.0000	20.44
79	Dibenzo(a,h)anthracene	278	29.483	29.393	(1.114)	3640569	20.0000	20.54
80	Benzo(g,h,i)perylene	276	29.470	29.381	(1.113)	4126891	20.0000	20.44
90	N-Nitrosodimethylamine	74	5.250	5.198	(0.550)	4649800	40.0000	39.87
91	Aniline	93	9.021	8.982	(0.945)	7638977	40.0000	42.28
93	Benzidine	184	21.301	21.276	(0.900)	6037151	40.0000	39.80
103	Pyridine	79	5.237	5.224	(0.549)	6874330	40.0000	41.23
105	1-methylnaphthalene	142	13.678	13.666	(1.137)	4134275	20.0000	22.87
111	Azobenzene (1,2-DP-Hydrazine)	77	17.056	17.031	(1.090)	7770615	20.0000	21.17

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.677	25.638	(0.970)	8183988	40.0000	48.50
120 2,3,4,6-Tetrachlorophenol	232	16.356	16.344	(1.046)	727893	20.0000	20.52

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102302.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\ABN.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 13:47
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	270862	135431	541724	248539	-8.24
27 Naphthalene-d8	1109588	554794	2219176	1046971	-5.64
42 Acenaphthene-d10	499186	249593	998372	481797	-3.48
59 Phenanthrene-d10	798865	399433	1597730	766315	-4.07
69 Chrysene-d12	542628	271314	1085256	563919	3.92
134 Di-n-octylphthala	1404894	702447	2809788	1639808	16.72
77 Perylene-d12	520366	260183	1040732	494156	-5.04

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.53	9.03	10.03	9.54	0.13
27 Naphthalene-d8	12.02	11.52	12.52	12.03	0.11
42 Acenaphthene-d10	15.63	15.13	16.13	15.64	0.08
59 Phenanthrene-d10	18.66	18.16	19.16	18.68	0.07
69 Chrysene-d12	23.65	23.15	24.15	23.66	0.05
134 Di-n-octylphthala	24.64	24.14	25.14	24.66	0.05
77 Perylene-d12	26.46	25.96	26.96	26.47	0.05

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

REVIEW SUMMARY FOR FILE - NT1708102302.D

Lab ID:
nt17.i, ABN.m, 10-AUG-2023 12:32

RT	CO-ELUTION COMPOUNDS
23.636	bis(2-Ethylhexyl)phthalate and Benzo(a)anthracene
29.470	Benzo(g,h,i)perylene and Indeno(1,2,3-cd)pyrene

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.975	0.948	0.0266	Benzoic acid

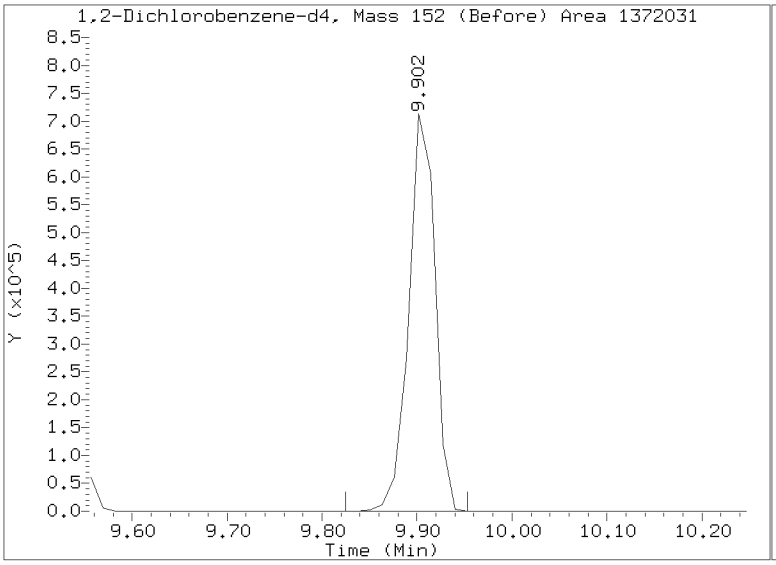
RRT check based on Ccal File: NT1708102308.D

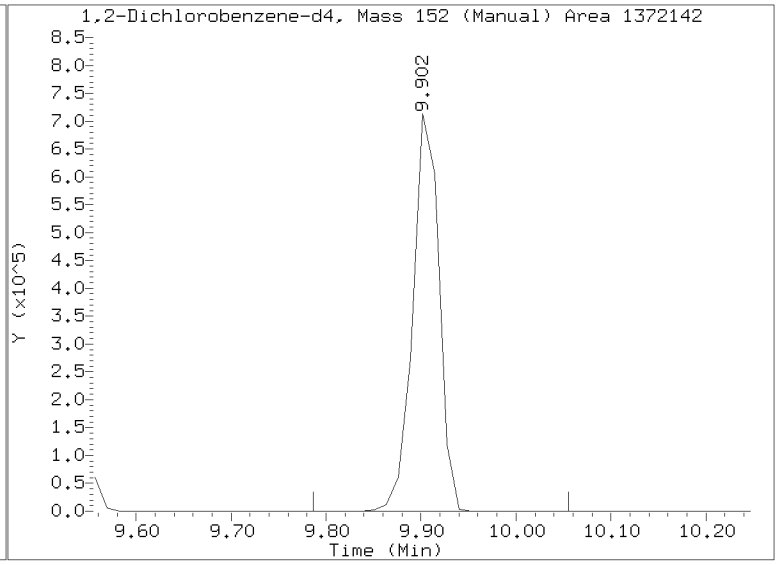
On Column LOD for nt17.i, ABN.m, ICAL.sub = 0.0000

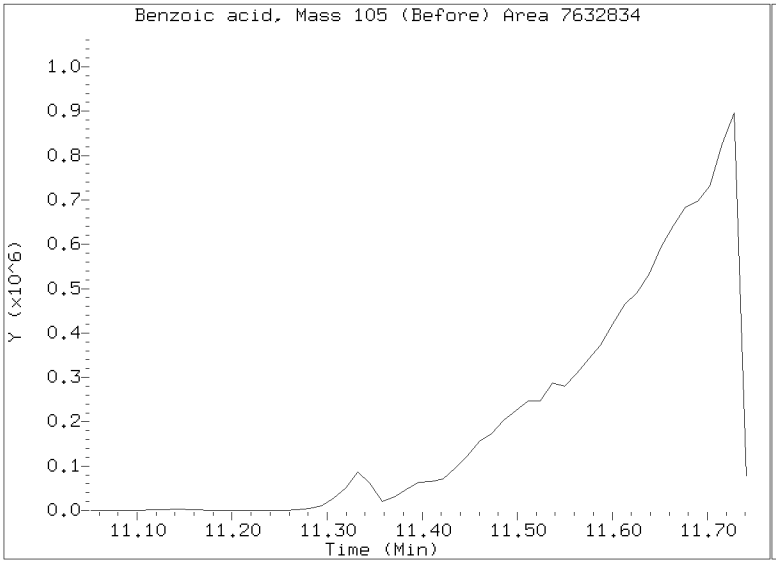
* Only compounds listed in the work order have been verified by the analyst *

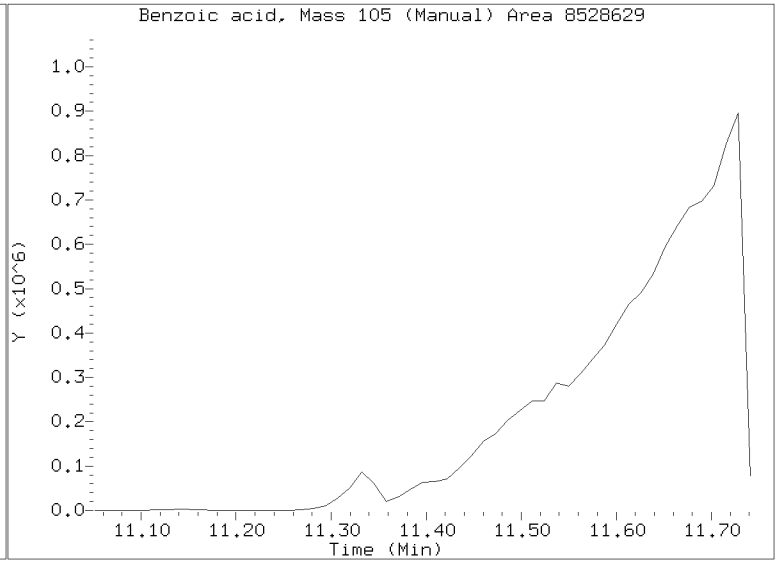
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230810.b/NT1708102302.D
Injection Date: 10-AUG-2023 12:32
Lab ID: Client ID:
Report Date: 08/15/2023 16:17





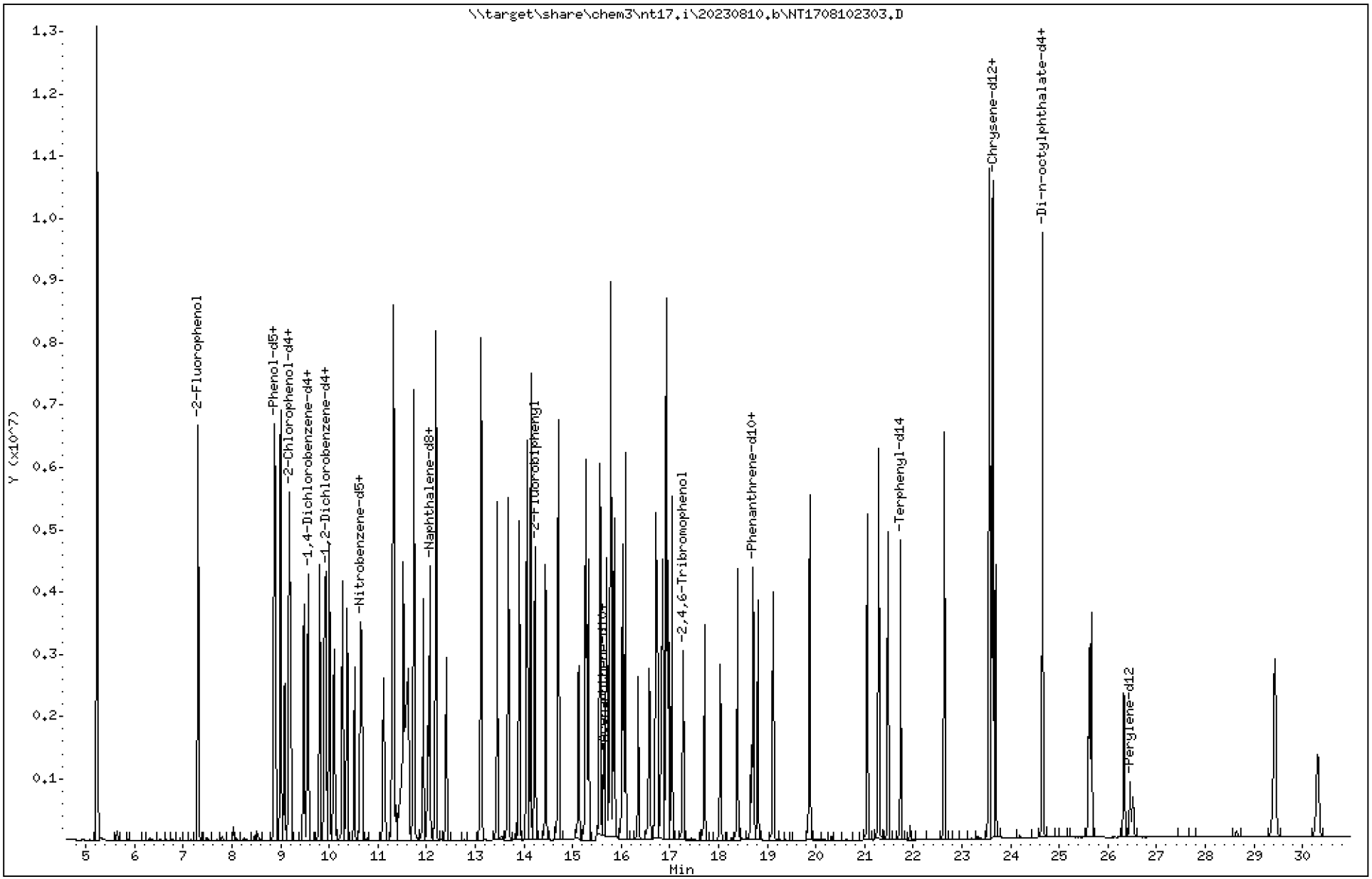




Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102303.D
Date : 10-AUG-2023 13:09
Client ID:
Sample Info: SEQ-CAL6

Instrument: nt17.i
Operator: JGR
Column diameter: 0.25

Column phase: ZB-5msi



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt17.i\20230810.b\NT1708102303.D
Lab Smp Id:
Inj Date : 10-AUG-2023 13:09
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-CAL6
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt17.i\20230810.b\ABN.m
Meth Date : 15-Aug-2023 16:16 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:16 Cal File: NT1708102308.D
Als bottle: 3 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	7.301	7.301	(0.765)	1807550	15.0000	15.47
$	2 Phenol-d5	99	8.880	8.855	(0.931)	2678532	15.0000	16.10
	3 Phenol	94	8.893	8.880	(0.932)	1745747	10.0000	10.13
$	5 2-Chlorophenol-d4	132	9.173	9.161	(0.961)	1643362	15.0000	15.87
	4 Bis(2-Chloroethyl)ether	93	9.084	9.071	(0.952)	1400609	10.0000	9.973
	6 2-Chlorophenol	128	9.199	9.199	(0.964)	1048025	10.0000	10.15
	7 1,3-Dichlorobenzene	146	9.480	9.467	(0.993)	1101221	10.0000	10.08
*	8 1,4-Dichlorobenzene-d4	152	9.543	9.531	(1.000)	258334	4.00000	
	9 1,4-Dichlorobenzene	146	9.569	9.569	(1.003)	1076338	10.0000	10.18
$	10 1,2-Dichlorobenzene-d4	152	9.901	9.902	(1.037)	661502	10.0000	10.26(M)
	12 1,2-Dichlorobenzene	146	9.927	9.927	(1.040)	1045081	10.0000	10.12
	11 Benzyl alcohol	108	9.799	9.786	(1.027)	857167	10.0000	10.97
	14 2,2'-oxybis(1-Chloropropane)	121	10.093	10.080	(1.058)	356906	10.0000	10.33
	13 2-Methylphenol	108	10.003	10.003	(1.048)	1185633	10.0000	10.58
	17 Hexachloroethane	117	10.514	10.514	(1.102)	586999	10.0000	10.76
	16 N-Nitroso-di-n-propylamine	70	10.361	10.348	(1.086)	1390508	10.0000	10.80
	15 4-Methylphenol	108	10.272	10.259	(1.076)	1584655	10.0000	9.996
$	18 Nitrobenzene-d5	82	10.642	10.629	(0.885)	1880704	10.0000	11.17
	19 Nitrobenzene	77	10.668	10.668	(0.887)	1958362	10.0000	10.82
	20 Isophorone	82	11.128	11.103	(0.926)	2820618	10.0000	10.11
	21 2-Nitrophenol	139	11.294	11.294	(0.940)	528615	10.0000	9.726
	22 2,4-Dimethylphenol	107	11.319	11.306	(0.942)	2590625	20.0000	20.82
	23 Bis(2-Chloroethoxy)methane	93	11.523	11.511	(0.959)	1498060	10.0000	10.24
	24 Benzoic acid	105	11.626	11.396	(0.967)	4089055	40.0000	37.99(M)
	25 2,4-Dichlorophenol	162	11.740	11.728	(0.977)	1390189	20.0000	19.87
	26 1,2,4-Trichlorobenzene	180	11.932	11.919	(0.993)	746294	10.0000	10.10
*	27 Naphthalene-d8	136	12.021	12.021	(1.000)	1083639	4.00000	
	28 Naphthalene	128	12.059	12.059	(1.003)	3005910	10.0000	10.20
	29 4-Chloroaniline	127	12.186	12.174	(1.014)	2860450	20.0000	21.31
	30 Hexachlorobutadiene	225	12.403	12.403	(1.032)	339557	10.0000	10.00
	31 4-Chloro-3-methylphenol	107	13.117	13.118	(1.091)	2288514	20.0000	18.82
	32 2-Methylnaphthalene	142	13.449	13.449	(1.119)	2152322	10.0000	10.55
	33 Hexachlorocyclopentadiene	237	13.908	13.908	(0.890)	845432	20.0000	18.10

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
	34 2,4,6-Trichlorophenol	196	14.061	14.061	(0.900)	962801	20.0000	18.64
	35 2,4,5-Trichlorophenol	196	14.137	14.125	(0.905)	1014308	20.0000	21.64
$	36 2-Fluorobiphenyl	172	14.227	14.214	(0.910)	1850397	10.0000	10.19
	37 2-Chloronaphthalene	162	14.443	14.444	(0.924)	1715443	10.0000	10.44
	38 2-Nitroaniline	65	14.711	14.699	(0.941)	2596523	20.0000	19.58
	39 Dimethylphthalate	163	15.132	15.107	(0.968)	1749363	10.0000	10.21
	40 Acenaphthylene	152	15.324	15.311	(0.980)	2638983	10.0000	10.44
	41 2,6-Dinitrotoluene	165	15.285	15.260	(0.978)	811855	20.0000	21.80
*	42 Acenaphthene-d10	164	15.630	15.630	(1.000)	490823	4.00000	
	43 3-Nitroaniline	138	15.566	15.541	(0.996)	1172704	20.0000	19.27
	44 Acenaphthene	153	15.706	15.693	(1.005)	1695730	10.0000	10.68
	45 2,4-Dinitrophenol	184	15.782	15.758	(1.010)	1003475	40.0000	41.30
	46 Dibenzofuran	168	16.025	16.012	(1.025)	2226467	10.0000	10.32
	47 4-Nitrophenol	109	15.859	15.834	(1.015)	828283	20.0000	19.11
	48 2,4-Dinitrotoluene	165	16.088	16.062	(1.029)	1128026	20.0000	19.22
	50 Diethylphthalate	149	16.573	16.559	(1.060)	2164674	10.0000	9.845
	49 Fluorene	166	16.738	16.726	(1.071)	1761927	10.0000	10.21
	51 4-Chlorophenyl-phenylether	204	16.713	16.700	(1.069)	830537	10.0000	10.65
	52 4-Nitroaniline	138	16.853	16.815	(1.078)	1104634	20.0000	22.70
	53 4,6-Dinitro-2-methylphenol	198	16.929	16.904	(0.907)	1059237	40.0000	36.33
	54 N-Nitrosodiphenylamine	169	16.967	16.955	(0.909)	1204191	10.0000	10.24
$	55 2,4,6-Tribromophenol	330	17.273	17.261	(1.105)	247321	15.0000	15.18
	56 4-Bromophenyl-phenylether	248	17.718	17.705	(0.949)	344861	10.0000	10.66
	57 Hexachlorobenzene	284	18.037	18.037	(0.967)	363436	10.0000	10.19
	58 Pentachlorophenol	266	18.394	18.394	(0.986)	478192	20.0000	20.55
*	59 Phenanthrene-d10	188	18.662	18.662	(1.000)	778281	4.00000	
	60 Phenanthrene	178	18.713	18.700	(1.003)	2361913	10.0000	10.50
	61 Anthracene	178	18.815	18.802	(1.008)	2274511	10.0000	11.27
	62 Carbazole	167	19.121	19.121	(1.025)	2353462	10.0000	10.48
	63 Di-n-butylphthalate	149	19.873	19.861	(1.065)	3586809	10.0000	9.587
	64 Fluoranthene	202	21.059	21.059	(0.891)	2471642	10.0000	11.20
	65 Pyrene	202	21.480	21.480	(0.908)	2564274	10.0000	11.13
$	66 Terphenyl-d14	244	21.735	21.735	(0.919)	1745176	10.0000	10.71
	67 Butylbenzylphthalate	149	22.641	22.641	(0.957)	1543671	10.0000	9.746
	68 Benzo(a)anthracene	228	23.623	23.610	(0.999)	2163346	10.0000	10.43
*	69 Chrysene-d12	240	23.648	23.636	(1.000)	538907	4.00000	
	70 3,3'-Dichlorobenzidine	252	23.572	23.560	(0.997)	2233262	30.0000	32.13
	71 Chrysene	228	23.699	23.687	(1.002)	1877456	10.0000	10.57
	72 bis(2-Ethylhexyl)phthalate	149	23.636	23.636	(0.959)	2425812	10.0000	9.892
*	134 Di-n-octylphthalate-d4	153	24.643	24.643	(1.000)	1490155	4.00000	
	73 Di-n-octylphthalate	149	24.656	24.656	(1.001)	3889368	10.0000	9.664
	74 Benzo(b)fluoranthene	252	25.613	25.601	(0.968)	2068350	10.0000	9.514
	75 Benzo(k)fluoranthene	252	25.664	25.638	(0.970)	1943767	10.0000	10.55
	76 Benzo(a)pyrene	252	26.340	26.315	(0.996)	1566079	10.0000	9.403
*	77 Perylene-d12	264	26.455	26.442	(1.000)	498729	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	29.431	29.381	(1.113)	1927476	10.0000	9.458
	79 Dibenzo(a,h)anthracene	278	29.444	29.393	(1.113)	1656144	10.0000	9.259
	80 Benzo(g,h,i)perylene	276	29.431	29.381	(1.113)	1927476	10.0000	9.458
	90 N-Nitrosodimethylamine	74	5.224	5.198	(0.547)	2456999	20.0000	20.27
	91 Aniline	93	9.008	8.982	(0.944)	3935765	20.0000	20.96
	93 Benzidine	184	21.289	21.276	(0.900)	2564196	20.0000	21.24
	103 Pyridine	79	5.224	5.224	(0.547)	3519901	20.0000	20.31
	105 1-methylnaphthalene	142	13.678	13.666	(1.138)	1991886	10.0000	10.65
	111 Azobenzene (1,2-DP-Hydrazine)	77	17.044	17.031	(1.090)	3930276	10.0000	10.51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.664	25.638	(0.970)	3785262	20.0000	22.23
120 2,3,4,6-Tetrachlorophenol	232	16.356	16.344	(1.046)	324490	10.0000	8.979

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102303.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\ABN.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 13:47
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	270862	135431	541724	258334	-4.63
27 Naphthalene-d8	1109588	554794	2219176	1083639	-2.34
42 Acenaphthene-d10	499186	249593	998372	490823	-1.68
59 Phenanthrene-d10	798865	399433	1597730	778281	-2.58
69 Chrysene-d12	542628	271314	1085256	538907	-0.69
134 Di-n-octylphthala	1404894	702447	2809788	1490155	6.07
77 Perylene-d12	520366	260183	1040732	498729	-4.16

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.53	9.03	10.03	9.54	0.13
27 Naphthalene-d8	12.02	11.52	12.52	12.02	-0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	-0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.66	-0.00
69 Chrysene-d12	23.65	23.15	24.15	23.65	-0.00
134 Di-n-octylphthala	24.64	24.14	25.14	24.64	-0.00
77 Perylene-d12	26.46	25.96	26.96	26.46	-0.00

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

REVIEW SUMMARY FOR FILE - NT1708102303.D

Lab ID:
nt17.i, ABN.m, 10-AUG-2023 13:09

RT	CO-ELUTION COMPOUNDS
29.432	Benzo(g,h,i)perylene and Indeno(1,2,3-cd)pyrene

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.967	0.948	0.0191	Benzoic acid

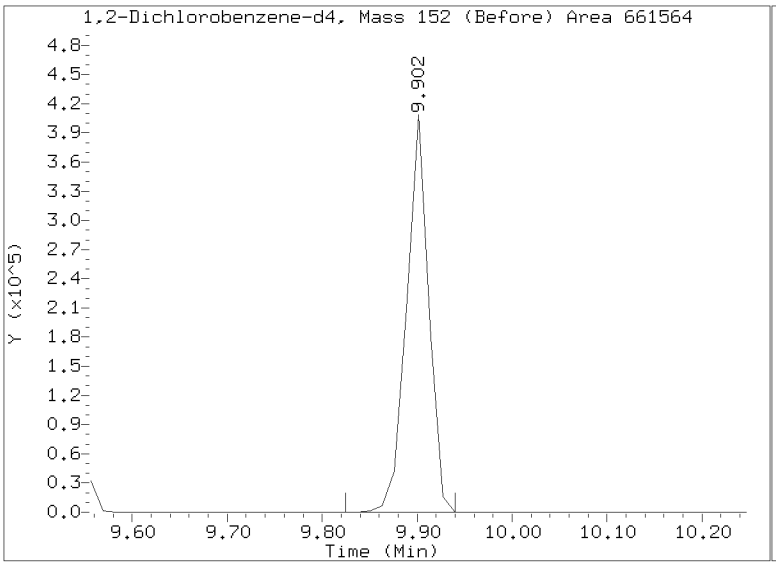
RRT check based on Ccal File: NT1708102308.D

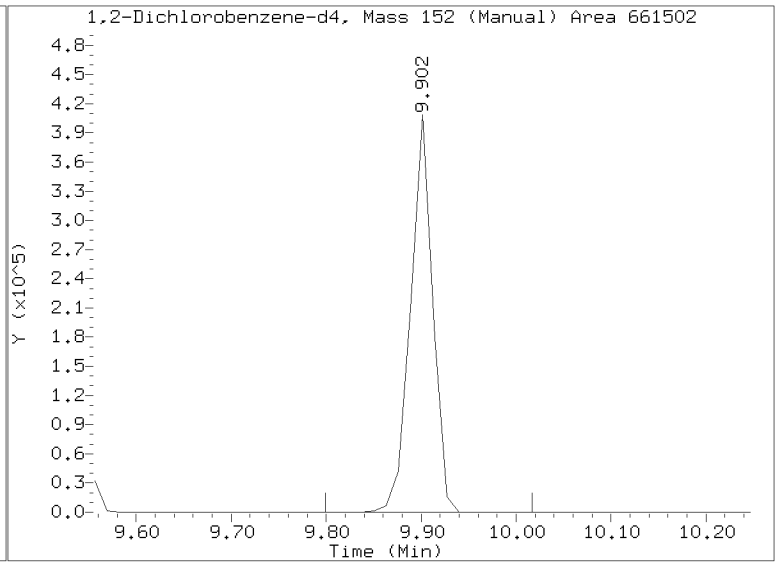
On Column LOD for nt17.i, ABN.m, ICAL.sub = 0.0000

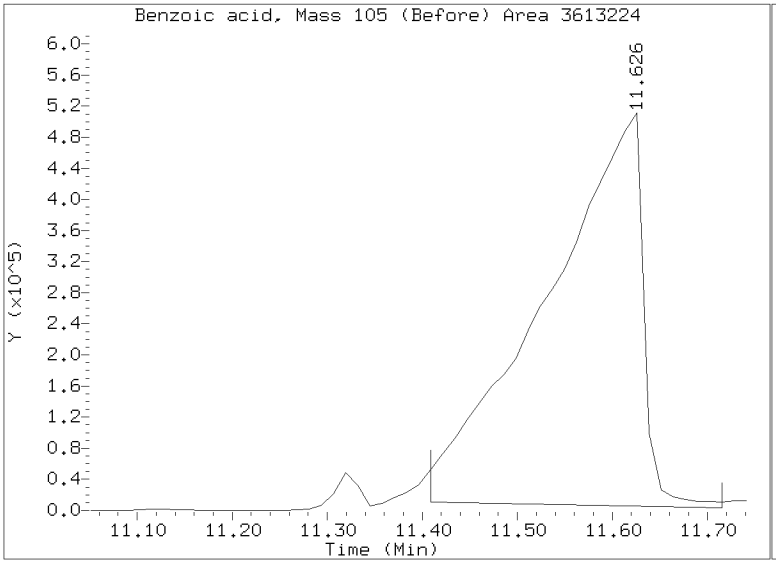
* Only compounds listed in the work order have been verified by the analyst *

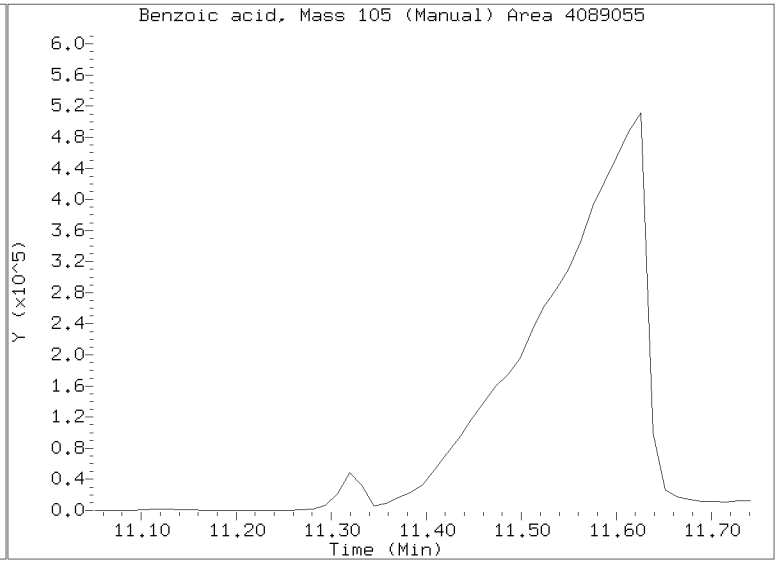
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230810.b/NT1708102303.D
Injection Date: 10-AUG-2023 13:09
Lab ID: Client ID:
Report Date: 08/15/2023 16:17









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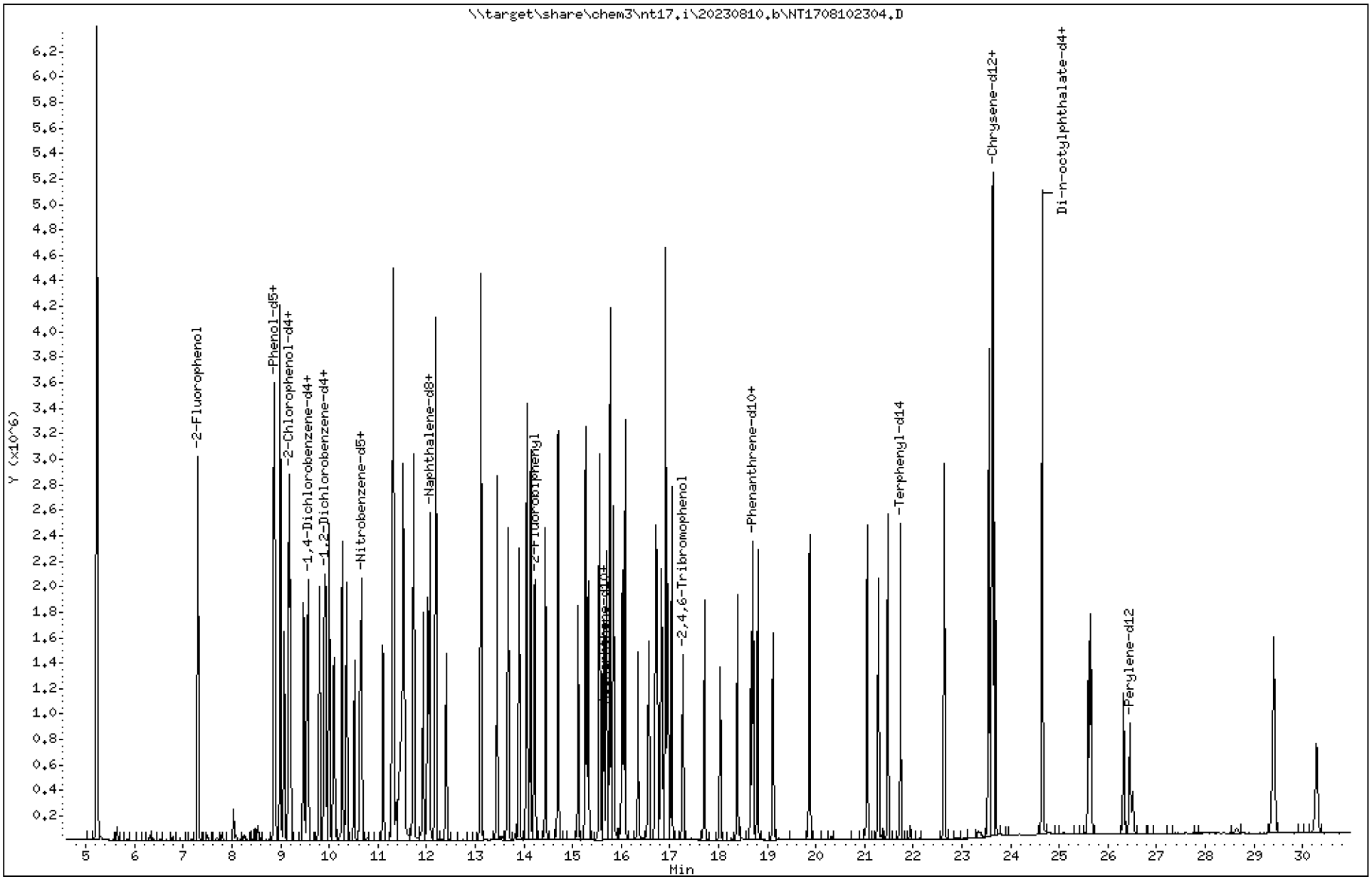
Date : 10-AUG-2023 13:47
Client ID:
Sample Info: SEQ-CAL5

Instrument: nt17.i
Operator: JGR
Column diameter: 0.25

Column phase: ZB-5msi



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt17.i\20230810.b\NT1708102304.D
Lab Smp Id:
Inj Date : 10-AUG-2023 13:47
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-CAL5
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt17.i\20230810.b\ABN.m
Meth Date : 15-Aug-2023 16:16 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:16 Cal File: NT1708102308.D
Als bottle: 4 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 4.14
Processing Host: JOSHR-201909

							AMOUNTS	
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	7.301	7.301	(0.766)	929288	7.50000	7.586
$	2 Phenol-d5	99	8.868	8.855	(0.930)	1348982	7.50000	7.734
	3 Phenol	94	8.893	8.880	(0.933)	915328	5.00000	5.066
$	5 2-Chlorophenol-d4	132	9.174	9.161	(0.963)	822472	7.50000	7.574
	4 Bis(2-Chloroethyl)ether	93	9.072	9.071	(0.952)	716991	5.00000	4.869
	6 2-Chlorophenol	128	9.199	9.199	(0.965)	551385	5.00000	5.091
	7 1,3-Dichlorobenzene	146	9.467	9.467	(0.993)	571587	5.00000	4.990
*	8 1,4-Dichlorobenzene-d4	152	9.531	9.531	(1.000)	270862	4.00000	
	9 1,4-Dichlorobenzene	146	9.569	9.569	(1.004)	546361	5.00000	4.931
$	10 1,2-Dichlorobenzene-d4	152	9.901	9.902	(1.039)	333053	5.00000	4.926(M)
	12 1,2-Dichlorobenzene	146	9.927	9.927	(1.042)	541216	5.00000	4.998
	11 Benzyl alcohol	108	9.799	9.786	(1.028)	440013	5.00000	5.372
	14 2,2'-oxybis(1-Chloropropane)	121	10.093	10.080	(1.059)	177774	5.00000	4.905
	13 2-Methylphenol	108	10.003	10.003	(1.050)	609808	5.00000	5.191
	17 Hexachloroethane	117	10.515	10.514	(1.103)	296674	5.00000	5.188
	16 N-Nitroso-di-n-propylamine	70	10.348	10.348	(1.086)	701778	5.00000	5.198
	15 4-Methylphenol	108	10.272	10.259	(1.078)	819695	5.00000	4.931
$	18 Nitrobenzene-d5	82	10.630	10.629	(0.884)	921146	5.00000	5.341
	19 Nitrobenzene	77	10.668	10.668	(0.887)	984615	5.00000	5.314
	20 Isophorone	82	11.102	11.103	(0.924)	1438263	5.00000	5.034
	21 2-Nitrophenol	139	11.294	11.294	(0.940)	256917	5.00000	4.616
	22 2,4-Dimethylphenol	107	11.319	11.306	(0.942)	1292636	10.0000	10.15
	23 Bis(2-Chloroethoxy)methane	93	11.524	11.511	(0.959)	769006	5.00000	5.133
	24 Benzoic acid	105	11.549	11.396	(0.961)	1786771	20.0000	16.21(M)
	25 2,4-Dichlorophenol	162	11.741	11.728	(0.977)	677239	10.0000	10.13
	26 1,2,4-Trichlorobenzene	180	11.932	11.919	(0.993)	372515	5.00000	4.924
*	27 Naphthalene-d8	136	12.021	12.021	(1.000)	1109588	4.00000	
	28 Naphthalene	128	12.059	12.059	(1.003)	1526499	5.00000	5.058
	29 4-Chloroaniline	127	12.186	12.174	(1.014)	1397979	10.0000	10.17
	30 Hexachlorobutadiene	225	12.403	12.403	(1.032)	170616	5.00000	4.907
	31 4-Chloro-3-methylphenol	107	13.117	13.118	(1.091)	1120917	10.0000	9.002
	32 2-Methylnaphthalene	142	13.449	13.449	(1.119)	1086420	5.00000	5.200
	33 Hexachlorocyclopentadiene	237	13.908	13.908	(0.890)	393313	10.0000	8.281

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
	34 2,4,6-Trichlorophenol	196	14.061	14.061	(0.900)	448440	10.0000	8.537
	35 2,4,5-Trichlorophenol	196	14.138	14.125	(0.905)	484861	10.0000	10.17
$	36 2-Fluorobiphenyl	172	14.227	14.214	(0.910)	934501	5.00000	5.062
	37 2-Chloronaphthalene	162	14.444	14.444	(0.924)	866782	5.00000	5.188
	38 2-Nitroaniline	65	14.711	14.699	(0.941)	1271869	10.0000	9.430
	39 Dimethylphthalate	163	15.120	15.107	(0.967)	913930	5.00000	5.246
	40 Acenaphthylene	152	15.324	15.311	(0.980)	1332696	5.00000	5.182
	41 2,6-Dinitrotoluene	165	15.273	15.260	(0.977)	400251	10.0000	10.57
*	42 Acenaphthene-d10	164	15.630	15.630	(1.000)	499186	4.00000	
	43 3-Nitroaniline	138	15.553	15.541	(0.995)	559104	10.0000	9.036
	44 Acenaphthene	153	15.693	15.693	(1.004)	823424	5.00000	5.100
	45 2,4-Dinitrophenol	184	15.770	15.758	(1.009)	445095	20.0000	19.26
	46 Dibenzofuran	168	16.025	16.012	(1.025)	1110343	5.00000	5.063
	47 4-Nitrophenol	109	15.846	15.834	(1.014)	386716	10.0000	8.772
	48 2,4-Dinitrotoluene	165	16.076	16.062	(1.029)	549193	10.0000	9.200
	50 Diethylphthalate	149	16.560	16.559	(1.060)	1302369	5.00000	5.824
	49 Fluorene	166	16.738	16.726	(1.071)	1017088	5.00000	5.794
	51 4-Chlorophenyl-phenylether	204	16.713	16.700	(1.069)	405771	5.00000	5.118
	52 4-Nitroaniline	138	16.827	16.815	(1.077)	524141	10.0000	10.59
	53 4,6-Dinitro-2-methylphenol	198	16.917	16.904	(0.906)	494130	20.0000	16.51
	54 N-Nitrosodiphenylamine	169	16.955	16.955	(0.909)	600085	5.00000	4.970
$	55 2,4,6-Tribromophenol	330	17.273	17.261	(1.105)	114322	7.50000	7.373
	56 4-Bromophenyl-phenylether	248	17.718	17.705	(0.949)	172772	5.00000	5.205
	57 Hexachlorobenzene	284	18.037	18.037	(0.967)	178158	5.00000	4.867
	58 Pentachlorophenol	266	18.394	18.394	(0.986)	213205	10.0000	9.582
*	59 Phenanthrene-d10	188	18.662	18.662	(1.000)	798865	4.00000	
	60 Phenanthrene	178	18.713	18.700	(1.003)	1154207	5.00000	4.998
	61 Anthracene	178	18.802	18.802	(1.008)	1109458	5.00000	5.357
	62 Carbazole	167	19.121	19.121	(1.025)	931000	5.00000	4.385
	63 Di-n-butylphthalate	149	19.873	19.861	(1.065)	1763355	5.00000	4.592
	64 Fluoranthene	202	21.059	21.059	(0.891)	1193111	5.00000	5.371
	65 Pyrene	202	21.480	21.480	(0.908)	1220295	5.00000	5.258
$	66 Terphenyl-d14	244	21.735	21.735	(0.919)	828232	5.00000	5.050
	67 Butylbenzylphthalate	149	22.641	22.641	(0.957)	751399	5.00000	4.711
	68 Benzo(a)anthracene	228	23.610	23.610	(0.998)	1070799	5.00000	5.129
*	69 Chrysene-d12	240	23.649	23.636	(1.000)	542628	4.00000	
	70 3,3'-Dichlorobenzidine	252	23.559	23.560	(0.996)	720031	15.0000	11.54
	71 Chrysene	228	23.687	23.687	(1.002)	909185	5.00000	5.085
	72 bis(2-Ethylhexyl)phthalate	149	23.636	23.636	(0.959)	1152337	5.00000	4.984
*	134 Di-n-octylphthalate-d4	153	24.644	24.643	(1.000)	1404894	4.00000	
	73 Di-n-octylphthalate	149	24.656	24.656	(1.001)	1875732	5.00000	4.943
	74 Benzo(b)fluoranthene	252	25.600	25.601	(0.968)	951101	5.00000	4.193
	75 Benzo(k)fluoranthene	252	25.651	25.638	(0.970)	969688	5.00000	5.043
	76 Benzo(a)pyrene	252	26.327	26.315	(0.995)	735114	5.00000	4.230
*	77 Perylene-d12	264	26.455	26.442	(1.000)	520366	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	29.406	29.381	(1.112)	936316	5.00000	4.404
	79 Dibenzo(a,h)anthracene	278	29.419	29.393	(1.112)	802402	5.00000	4.299
	80 Benzo(g,h,i)perylene	276	29.406	29.381	(1.112)	936316	5.00000	4.404
	90 N-Nitrosodimethylamine	74	5.211	5.198	(0.547)	1277987	10.0000	10.06
	91 Aniline	93	8.995	8.982	(0.944)	2002746	10.0000	10.17
	93 Benzidine	184	21.276	21.276	(0.900)	972073	10.0000	8.664
	103 Pyridine	79	5.224	5.224	(0.548)	1759090	10.0000	9.682
	105 1-methylnaphthalene	142	13.678	13.666	(1.138)	982459	5.00000	5.128
	111 Azobenzene (1,2-DP-Hydrazine)	77	17.031	17.031	(1.090)	2004330	5.00000	5.270

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.651	25.638	(0.970)	1807888	10.0000	10.18
120 2,3,4,6-Tetrachlorophenol	232	16.343	16.344	(1.046)	179354	5.00000	4.880

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102304.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\ABN.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 13:47
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	270862	135431	541724	270862	0.00
27 Naphthalene-d8	1109588	554794	2219176	1109588	0.00
42 Acenaphthene-d10	499186	249593	998372	499186	0.00
59 Phenanthrene-d10	798865	399433	1597730	798865	0.00
69 Chrysene-d12	542628	271314	1085256	542628	0.00
134 Di-n-octylphthala	1404894	702447	2809788	1404894	0.00
77 Perylene-d12	520366	260183	1040732	520366	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.53	9.03	10.03	9.53	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.66	0.00
69 Chrysene-d12	23.65	23.15	24.15	23.65	0.00
134 Di-n-octylphthala	24.64	24.14	25.14	24.64	0.00
77 Perylene-d12	26.46	25.96	26.96	26.46	0.00

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

REVIEW SUMMARY FOR FILE - NT1708102304.D

Lab ID:
nt17.i, ABN.m, 10-AUG-2023 13:47

RT	CO-ELUTION COMPOUNDS
29.406	Benzo(g,h,i)perylene and Indeno(1,2,3-cd)pyrene

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.961	0.948	0.0128	Benzoic acid

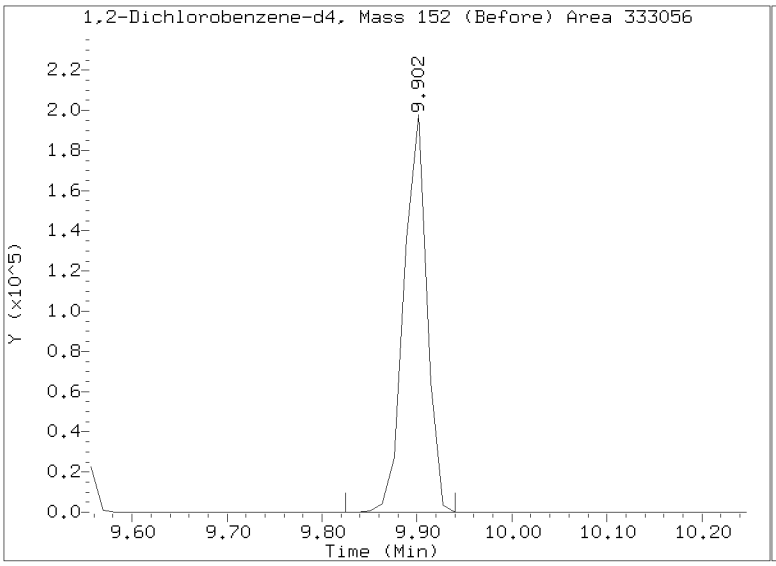
RRT check based on Ccal File: NT1708102308.D

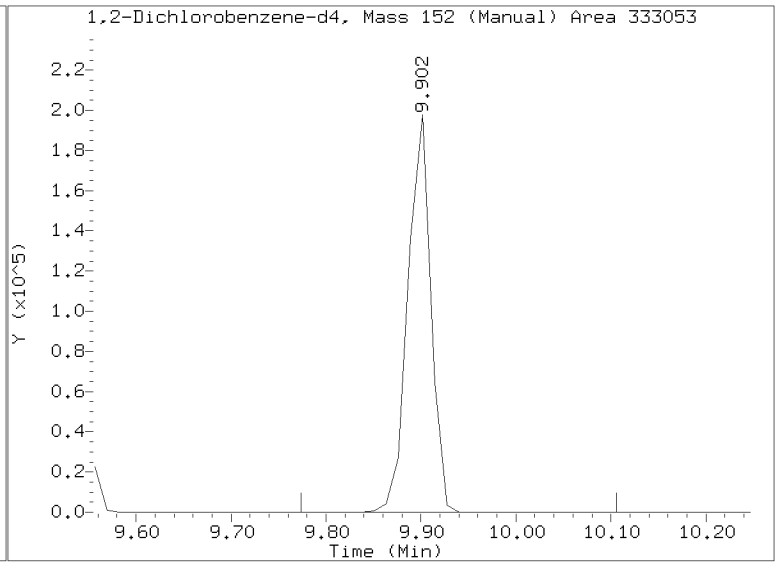
On Column LOD for nt17.i, ABN.m, ICAL.sub = 0.0000

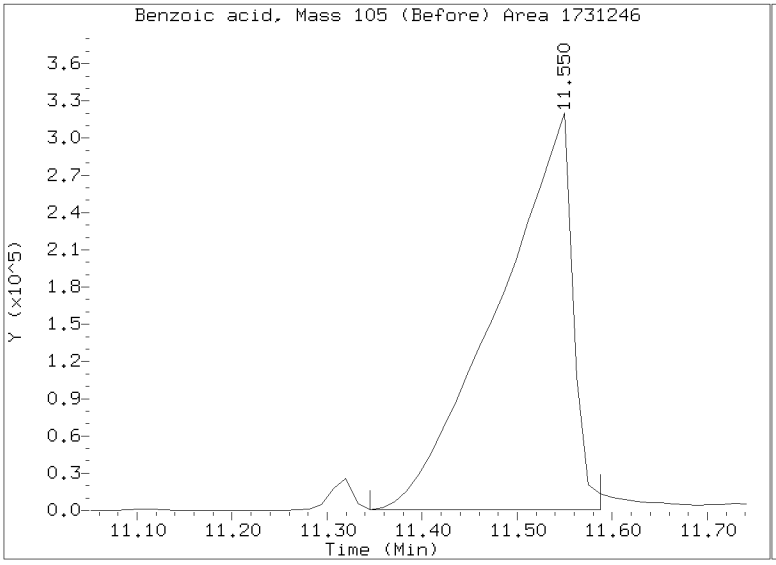
* Only compounds listed in the work order have been verified by the analyst *

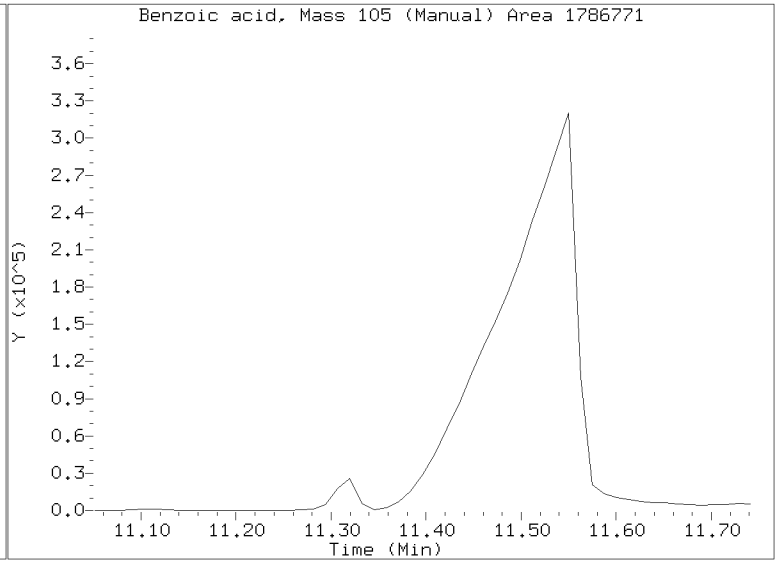
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230810.b/NT1708102304.D
Injection Date: 10-AUG-2023 13:47
Lab ID: Client ID:
Report Date: 08/15/2023 16:17









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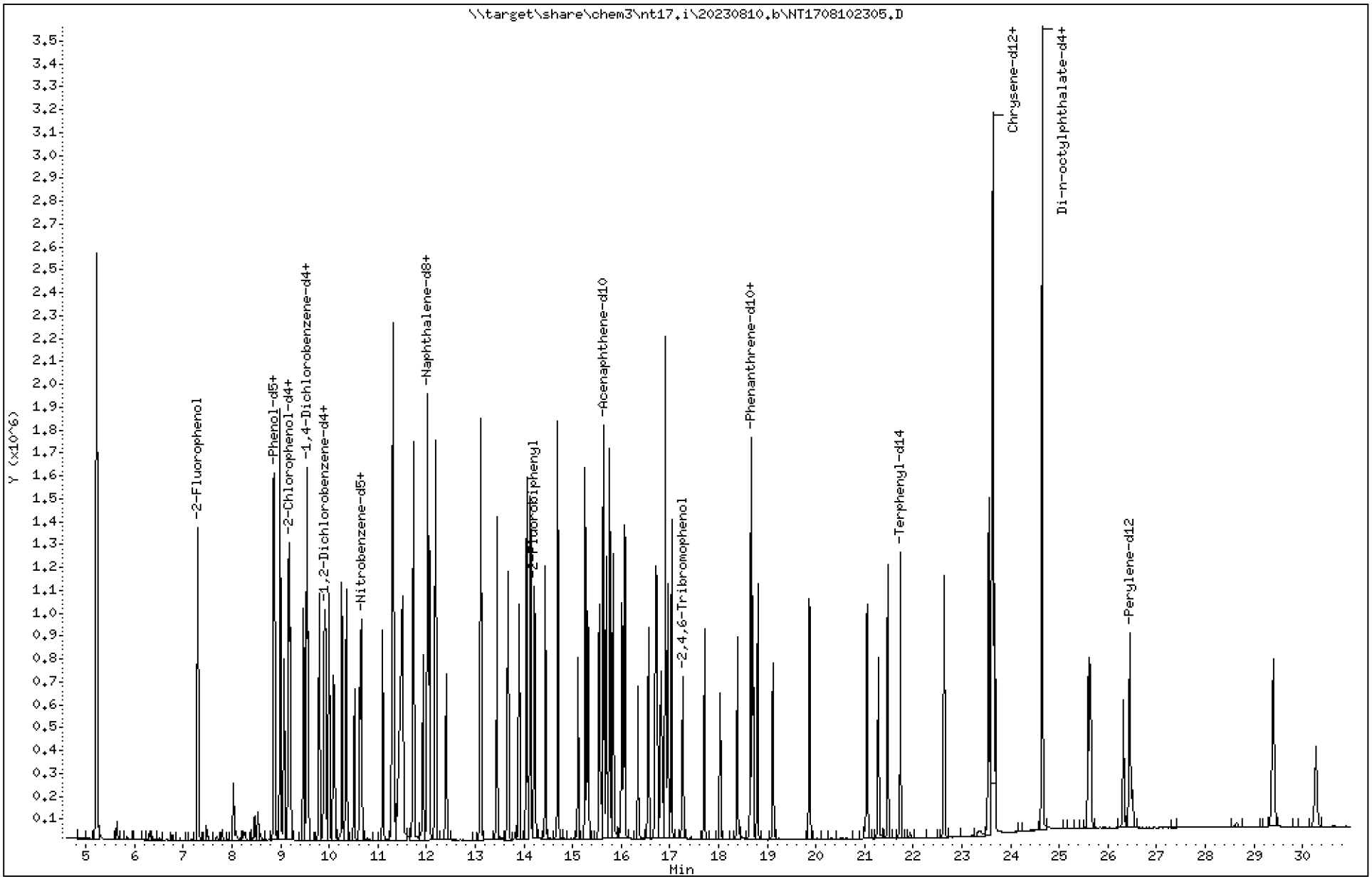
Date : 10-AUG-2023 14:24
Client ID:
Sample Info: SEQ-CAL4

Instrument: nt17.i
Operator: JGR
Column phase: ZB-5msi
Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt17.i\20230810.b\NT1708102305.D
Lab Smp Id:
Inj Date : 10-AUG-2023 14:24
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-CAL4
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt17.i\20230810.b\ABN.m
Meth Date : 15-Aug-2023 16:16 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:16 Cal File: NT1708102308.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	7.301	7.301	(0.766)	473504	3.75000	3.745
$	2 Phenol-d5	99	8.855	8.855	(0.929)	663800	3.75000	3.687
	3 Phenol	94	8.881	8.880	(0.932)	460829	2.50000	2.471
$	5 2-Chlorophenol-d4	132	9.173	9.161	(0.963)	411129	3.75000	3.667
	4 Bis(2-Chloroethyl)ether	93	9.072	9.071	(0.952)	363012	2.50000	2.388
	6 2-Chlorophenol	128	9.199	9.199	(0.965)	268999	2.50000	2.406
	7 1,3-Dichlorobenzene	146	9.467	9.467	(0.993)	280364	2.50000	2.371
*	8 1,4-Dichlorobenzene-d4	152	9.531	9.531	(1.000)	279603	4.00000	
	9 1,4-Dichlorobenzene	146	9.569	9.569	(1.004)	271610	2.50000	2.375
$	10 1,2-Dichlorobenzene-d4	152	9.901	9.902	(1.039)	166984	2.50000	2.393(M)
	12 1,2-Dichlorobenzene	146	9.927	9.927	(1.042)	269631	2.50000	2.412
	11 Benzyl alcohol	108	9.786	9.786	(1.027)	208617	2.50000	2.468
	14 2,2'-oxybis(1-Chloropropane)	121	10.080	10.080	(1.058)	88176	2.50000	2.357
	13 2-Methylphenol	108	10.003	10.003	(1.050)	298595	2.50000	2.462
	17 Hexachloroethane	117	10.514	10.514	(1.103)	141560	2.50000	2.398
	16 N-Nitroso-di-n-propylamine	70	10.348	10.348	(1.086)	345112	2.50000	2.476
	15 4-Methylphenol	108	10.259	10.259	(1.076)	411646	2.50000	2.399
$	18 Nitrobenzene-d5	82	10.629	10.629	(0.884)	445222	2.50000	2.517
	19 Nitrobenzene	77	10.668	10.668	(0.887)	476934	2.50000	2.509
	20 Isophorone	82	11.102	11.103	(0.924)	583514	2.50000	1.991
	21 2-Nitrophenol	139	11.294	11.294	(0.940)	115047	2.50000	2.015
	22 2,4-Dimethylphenol	107	11.306	11.306	(0.941)	646390	5.00000	4.946
	23 Bis(2-Chloroethoxy)methane	93	11.523	11.511	(0.959)	375439	2.50000	2.443
	24 Benzoic acid	105	11.498	11.396	(0.957)	777952	10.0000	6.880(M)
	25 2,4-Dichlorophenol	162	11.728	11.728	(0.976)	341270	5.00000	5.127
	26 1,2,4-Trichlorobenzene	180	11.932	11.919	(0.993)	190472	2.50000	2.454
*	27 Naphthalene-d8	136	12.021	12.021	(1.000)	1138252	4.00000	
	28 Naphthalene	128	12.059	12.059	(1.003)	760780	2.50000	2.457
	29 4-Chloroaniline	127	12.186	12.174	(1.014)	695823	5.00000	4.936
	30 Hexachlorobutadiene	225	12.403	12.403	(1.032)	84355	2.50000	2.365
	31 4-Chloro-3-methylphenol	107	13.117	13.118	(1.091)	525666	5.00000	4.115
	32 2-Methylnaphthalene	142	13.449	13.449	(1.119)	533579	2.50000	2.489
	33 Hexachlorocyclopentadiene	237	13.908	13.908	(0.890)	185623	5.00000	3.815

		QUANT SIG					AMOUNTS CAL-AMT	AMOUNTS ON-COL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
34	2,4,6-Trichlorophenol	196	14.061	14.061	(0.900)	210576	5.00000	3.913
35	2,4,5-Trichlorophenol	196	14.125	14.125	(0.904)	238468	5.00000	4.883
$ 36	2-Fluorobiphenyl	172	14.214	14.214	(0.909)	464794	2.50000	2.458
37	2-Chloronaphthalene	162	14.444	14.444	(0.924)	422253	2.50000	2.467
38	2-Nitroaniline	65	14.699	14.699	(0.940)	578943	5.00000	4.190
39	Dimethylphthalate	163	15.120	15.107	(0.967)	454588	2.50000	2.547
40	Acenaphthylene	152	15.311	15.311	(0.980)	656016	2.50000	2.490
41	2,6-Dinitrotoluene	165	15.260	15.260	(0.976)	196778	5.00000	5.073
* 42	Acenaphthene-d10	164	15.630	15.630	(1.000)	511339	4.00000	
43	3-Nitroaniline	138	15.553	15.541	(0.995)	229920	5.00000	3.627
44	Acenaphthene	153	15.693	15.693	(1.004)	405466	2.50000	2.451
45	2,4-Dinitrophenol	184	15.757	15.758	(1.008)	175306	10.0000	7.633
46	Dibenzofuran	168	16.012	16.012	(1.024)	553340	2.50000	2.463
47	4-Nitrophenol	109	15.834	15.834	(1.013)	174195	5.00000	3.858
48	2,4-Dinitrotoluene	165	16.076	16.062	(1.029)	260686	5.00000	4.263
50	Diethylphthalate	149	16.560	16.559	(1.060)	555766	2.50000	2.426
49	Fluorene	166	16.726	16.726	(1.070)	437318	2.50000	2.432
51	4-Chlorophenyl-phenylether	204	16.713	16.700	(1.069)	210508	2.50000	2.592
52	4-Nitroaniline	138	16.815	16.815	(1.076)	225642	5.00000	4.450
53	4,6-Dinitro-2-methylphenol	198	16.904	16.904	(0.906)	224727	10.0000	7.305
54	N-Nitrosodiphenylamine	169	16.955	16.955	(0.909)	301120	2.50000	2.426
$ 55	2,4,6-Tribromophenol	330	17.260	17.261	(1.104)	54817	3.75000	3.550
56	4-Bromophenyl-phenylether	248	17.705	17.705	(0.949)	82310	2.50000	2.412
57	Hexachlorobenzene	284	18.037	18.037	(0.967)	89080	2.50000	2.367
58	Pentachlorophenol	266	18.381	18.394	(0.985)	95198	5.00000	4.286
* 59	Phenanthrene-d10	188	18.662	18.662	(1.000)	821206	4.00000	
60	Phenanthrene	178	18.713	18.700	(1.003)	563465	2.50000	2.374
61	Anthracene	178	18.802	18.802	(1.008)	538284	2.50000	2.528
62	Carbazole	167	19.121	19.121	(1.025)	431639	2.50000	2.031
63	Di-n-butylphthalate	149	19.873	19.861	(1.065)	805732	2.50000	2.041
64	Fluoranthene	202	21.059	21.059	(0.891)	581487	2.50000	2.536
65	Pyrene	202	21.480	21.480	(0.909)	595392	2.50000	2.486
$ 66	Terphenyl-d14	244	21.735	21.735	(0.920)	414669	2.50000	2.450
67	Butylbenzylphthalate	149	22.641	22.641	(0.958)	347065	2.50000	2.109
68	Benzo(a)anthracene	228	23.610	23.610	(0.999)	503715	2.50000	2.338
* 69	Chrysene-d12	240	23.636	23.636	(1.000)	560014	4.00000	
70	3,3'-Dichlorobenzidine	252	23.559	23.560	(0.997)	323992	7.50000	5.179
71	Chrysene	228	23.687	23.687	(1.002)	435184	2.50000	2.358
72	bis(2-Ethylhexyl)phthalate	149	23.636	23.636	(0.959)	547376	2.50000	2.551
* 134	Di-n-octylphthalate-d4	153	24.644	24.643	(1.000)	1303728	4.00000	
73	Di-n-octylphthalate	149	24.656	24.656	(1.001)	882743	2.50000	2.507
74	Benzo(b)fluoranthene	252	25.600	25.601	(0.968)	493767	2.50000	2.107
75	Benzo(k)fluoranthene	252	25.651	25.638	(0.970)	458451	2.50000	2.308
76	Benzo(a)pyrene	252	26.315	26.315	(0.995)	358764	2.50000	1.998
* 77	Perylene-d12	264	26.455	26.442	(1.000)	537645	4.00000	
78	Indeno(1,2,3-cd)pyrene	276	29.393	29.381	(1.111)	443553	2.50000	2.019
79	Dibenzo(a,h)anthracene	278	29.406	29.393	(1.112)	382518	2.50000	1.984
80	Benzo(g,h,i)perylene	276	29.393	29.381	(1.111)	443553	2.50000	2.019
90	N-Nitrosodimethylamine	74	5.211	5.198	(0.547)	654867	5.00000	4.992
91	Aniline	93	8.995	8.982	(0.944)	985762	5.00000	4.850
93	Benzidine	184	21.276	21.276	(0.900)	354857	5.00000	3.157
103	Pyridine	79	5.224	5.224	(0.548)	898012	5.00000	4.788
105	1-methylnaphthalene	142	13.678	13.666	(1.138)	486690	2.50000	2.476
111	Azobenzene (1,2-DP-Hydrazine)	77	17.031	17.031	(1.090)	981755	2.50000	2.520

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.600	25.638	(0.968)	882033	5.00000	4.805
120 2,3,4,6-Tetrachlorophenol	232	16.343	16.344	(1.046)	83199	2.50000	2.210

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102305.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\ABN.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 13:47
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	270862	135431	541724	279603	3.23
27 Naphthalene-d8	1109588	554794	2219176	1138252	2.58
42 Acenaphthene-d10	499186	249593	998372	511339	2.43
59 Phenanthrene-d10	798865	399433	1597730	821206	2.80
69 Chrysene-d12	542628	271314	1085256	560014	3.20
134 Di-n-octylphthala	1404894	702447	2809788	1303728	-7.20
77 Perylene-d12	520366	260183	1040732	537645	3.32

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.53	9.03	10.03	9.53	-0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	-0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	-0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.66	-0.00
69 Chrysene-d12	23.65	23.15	24.15	23.64	-0.05
134 Di-n-octylphthala	24.64	24.14	25.14	24.64	-0.00
77 Perylene-d12	26.46	25.96	26.96	26.46	-0.00

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

REVIEW SUMMARY FOR FILE - NT1708102305.D

Lab ID:
nt17.i, ABN.m, 10-AUG-2023 14:24

RT	CO-ELUTION COMPOUNDS
29.394	Benzo(g,h,i)perylene and Indeno(1,2,3-cd)pyrene

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.957	0.948	0.0085	Benzoic acid

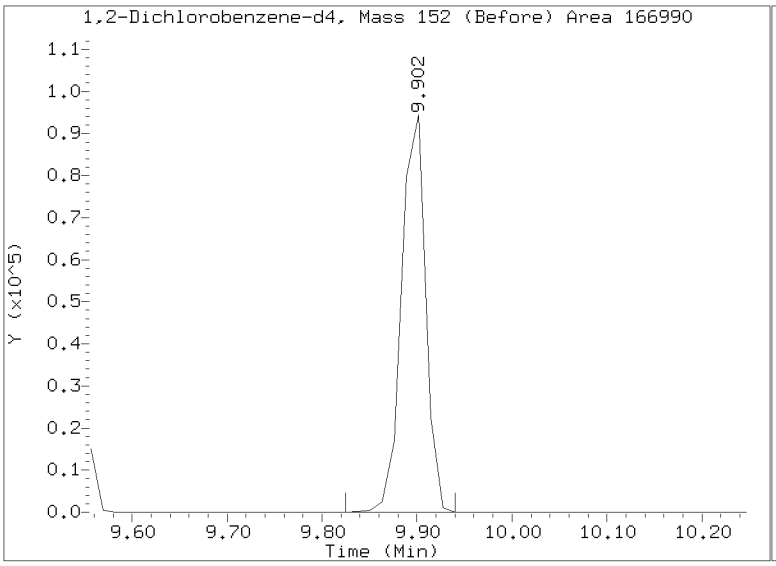
RRT check based on Ccal File: NT1708102308.D

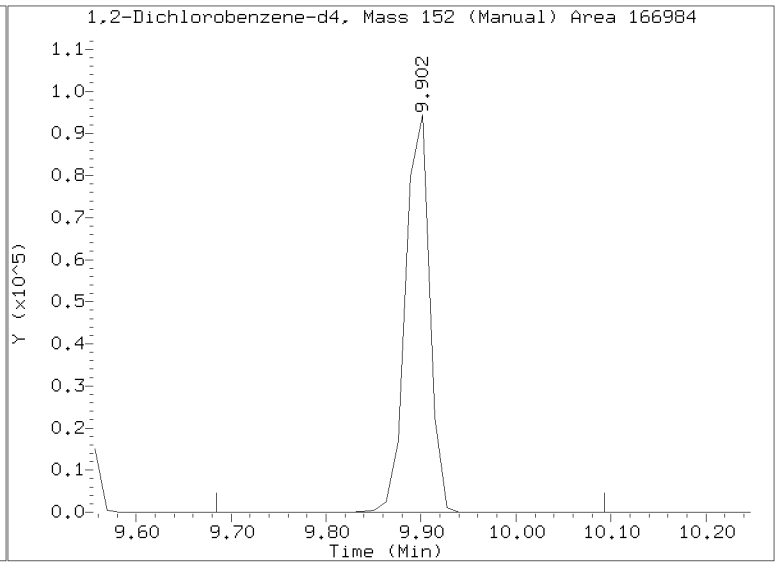
On Column LOD for nt17.i, ABN.m, ICAL.sub = 0.0000

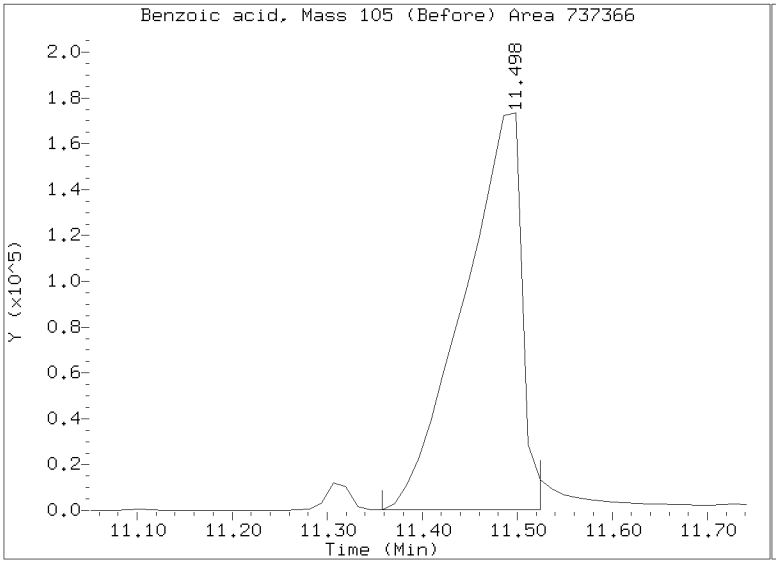
* Only compounds listed in the work order have been verified by the analyst *

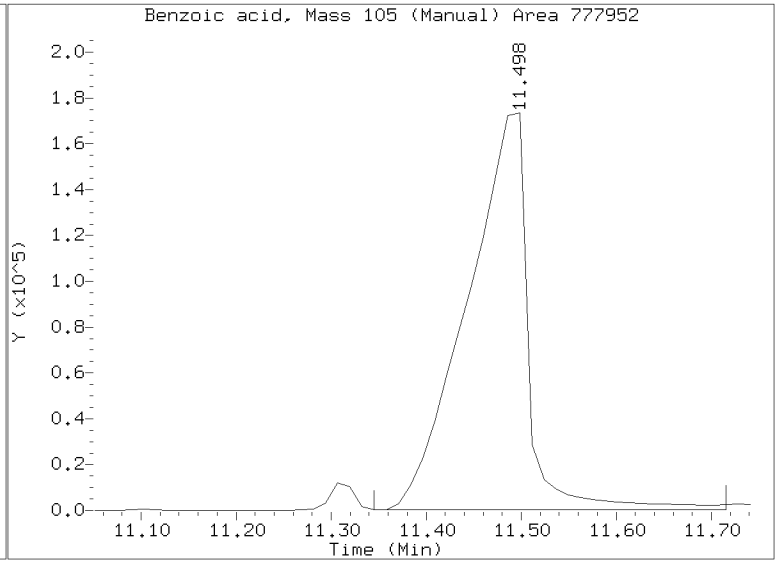
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230810.b/NT1708102305.D
Injection Date: 10-AUG-2023 14:24
Lab ID: Client ID:
Report Date: 08/15/2023 16:17









Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102306.D

Date : 10-AUG-2023 15:01

Client ID:

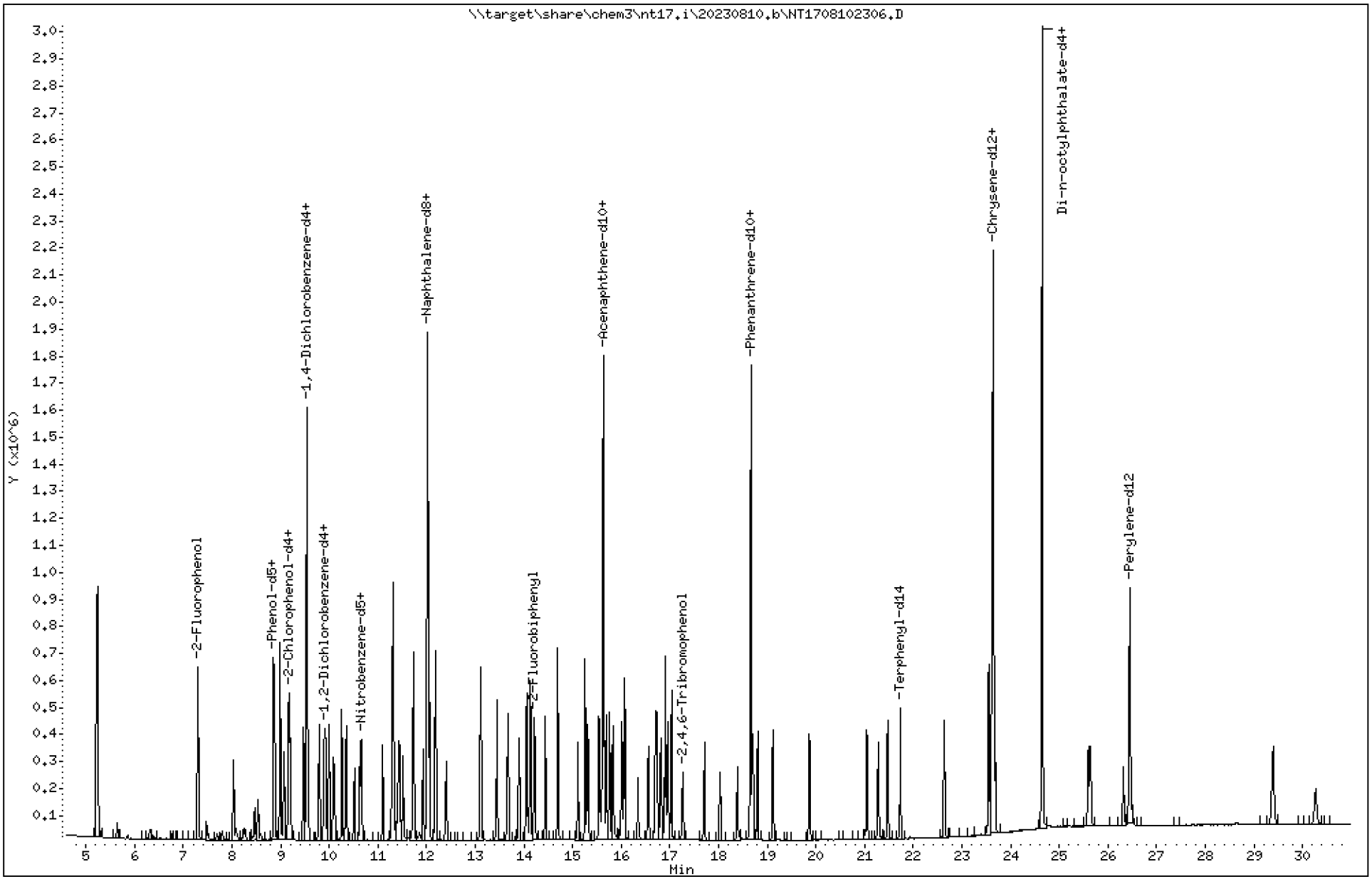
Instrument: nt17.i

Sample Info: SEQ-CAL3

Operator: JGR

Column phase: ZB-5msi

Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt17.i\20230810.b\NT1708102306.D
Lab Smp Id:
Inj Date : 10-AUG-2023 15:01
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-CAL3
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt17.i\20230810.b\ABN.m
Meth Date : 15-Aug-2023 16:16 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:16 Cal File: NT1708102308.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	7.301	7.301	(0.766)	194758	1.50000	1.511
$	2 Phenol-d5	99	8.855	8.855	(0.929)	269130	1.50000	1.466
	3 Phenol	94	8.880	8.880	(0.932)	187187	1.00000	0.9844
$	5 2-Chlorophenol-d4	132	9.173	9.161	(0.963)	168260	1.50000	1.472
	4 Bis(2-Chloroethyl)ether	93	9.072	9.071	(0.952)	159400	1.00000	1.029
	6 2-Chlorophenol	128	9.199	9.199	(0.965)	112544	1.00000	0.9874
	7 1,3-Dichlorobenzene	146	9.467	9.467	(0.993)	120560	1.00000	1.000
*	8 1,4-Dichlorobenzene-d4	152	9.531	9.531	(1.000)	285056	4.00000	
	9 1,4-Dichlorobenzene	146	9.569	9.569	(1.004)	114254	1.00000	0.9797
$	10 1,2-Dichlorobenzene-d4	152	9.901	9.902	(1.039)	69200	1.00000	0.9725(M)
	12 1,2-Dichlorobenzene	146	9.927	9.927	(1.042)	111542	1.00000	0.9787
	11 Benzyl alcohol	108	9.786	9.786	(1.027)	81435	1.00000	0.9448
	14 2,2'-oxybis(1-Chloropropane)	121	10.080	10.080	(1.058)	37573	1.00000	0.9851
	13 2-Methylphenol	108	10.003	10.003	(1.050)	121500	1.00000	0.9828
	17 Hexachloroethane	117	10.514	10.514	(1.103)	58171	1.00000	0.9665
	16 N-Nitroso-di-n-propylamine	70	10.348	10.348	(1.086)	140130	1.00000	0.9862
	15 4-Methylphenol	108	10.259	10.259	(1.076)	124964	1.00000	0.7144
$	18 Nitrobenzene-d5	82	10.629	10.629	(0.884)	177275	1.00000	0.9728
	19 Nitrobenzene	77	10.668	10.668	(0.887)	192131	1.00000	0.9813
	20 Isophorone	82	11.102	11.103	(0.924)	226979	1.00000	0.7518
	21 2-Nitrophenol	139	11.294	11.294	(0.940)	40005	1.00000	0.6803
	22 2,4-Dimethylphenol	107	11.306	11.306	(0.941)	261905	2.00000	1.946
	23 Bis(2-Chloroethoxy)methane	93	11.511	11.511	(0.958)	156469	1.00000	0.9883
	24 Benzoic acid	105	11.434	11.396	(0.951)	219523	4.00000	1.885
	25 2,4-Dichlorophenol	162	11.728	11.728	(0.976)	138622	2.00000	2.057
	26 1,2,4-Trichlorobenzene	180	11.932	11.919	(0.993)	78822	1.00000	0.9861
*	27 Naphthalene-d8	136	12.021	12.021	(1.000)	1172460	4.00000	
	28 Naphthalene	128	12.059	12.059	(1.003)	310115	1.00000	0.9725
	29 4-Chloroaniline	127	12.174	12.174	(1.013)	268551	2.00000	1.849
	30 Hexachlorobutadiene	225	12.403	12.403	(1.032)	34284	1.00000	0.9332
	31 4-Chloro-3-methylphenol	107	13.117	13.118	(1.091)	194703	2.00000	1.480
	32 2-Methylnaphthalene	142	13.449	13.449	(1.119)	211202	1.00000	0.9566
	33 Hexachlorocyclopentadiene	237	13.908	13.908	(0.890)	68551	2.00000	1.374

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
	34 2,4,6-Trichlorophenol	196	14.061	14.061	(0.900)	78983	2.00000	1.432
	35 2,4,5-Trichlorophenol	196	14.125	14.125	(0.904)	89920	2.00000	1.796
$	36 2-Fluorobiphenyl	172	14.214	14.214	(0.909)	189139	1.00000	0.9757
	37 2-Chloronaphthalene	162	14.444	14.444	(0.924)	171433	1.00000	0.9772
	38 2-Nitroaniline	65	14.699	14.699	(0.940)	213945	2.00000	1.511
	39 Dimethylphthalate	163	15.107	15.107	(0.967)	185516	1.00000	1.014
	40 Acenaphthylene	152	15.311	15.311	(0.980)	269336	1.00000	0.9974
	41 2,6-Dinitrotoluene	165	15.260	15.260	(0.976)	72440	2.00000	1.822
*	42 Acenaphthene-d10	164	15.630	15.630	(1.000)	524184	4.00000	
	43 3-Nitroaniline	138	15.553	15.541	(0.995)	95359	2.00000	1.468
	44 Acenaphthene	153	15.693	15.693	(1.004)	159927	1.00000	0.9432
	45 2,4-Dinitrophenol	184	15.757	15.758	(1.008)	46971	4.00000	2.023
	46 Dibenzofuran	168	16.012	16.012	(1.024)	223516	1.00000	0.9706
	47 4-Nitrophenol	109	15.834	15.834	(1.013)	62133	2.00000	1.342
	48 2,4-Dinitrotoluene	165	16.063	16.062	(1.028)	98522	2.00000	1.572
	50 Diethylphthalate	149	16.560	16.559	(1.060)	191473	1.00000	0.8154
	49 Fluorene	166	16.726	16.726	(1.070)	178004	1.00000	0.9656
	51 4-Chlorophenyl-phenylether	204	16.700	16.700	(1.068)	84650	1.00000	1.017
	52 4-Nitroaniline	138	16.815	16.815	(1.076)	87999	2.00000	1.693
	53 4,6-Dinitro-2-methylphenol	198	16.904	16.904	(0.906)	70560	4.00000	2.239
	54 N-Nitrosodiphenylamine	169	16.955	16.955	(0.909)	127487	1.00000	1.003
$	55 2,4,6-Tribromophenol	330	17.260	17.261	(1.104)	21295	1.50000	1.366
	56 4-Bromophenyl-phenylether	248	17.705	17.705	(0.949)	33713	1.00000	0.9643
	57 Hexachlorobenzene	284	18.037	18.037	(0.967)	37408	1.00000	0.9703
	58 Pentachlorophenol	266	18.381	18.394	(0.985)	31706	2.00000	1.414
*	59 Phenanthrene-d10	188	18.662	18.662	(1.000)	841333	4.00000	
	60 Phenanthrene	178	18.713	18.700	(1.003)	231156	1.00000	0.9505
	61 Anthracene	178	18.802	18.802	(1.008)	210379	1.00000	0.9645
	62 Carbazole	167	19.121	19.121	(1.025)	217086	1.00000	1.008
	63 Di-n-butylphthalate	149	19.873	19.861	(1.065)	292054	1.00000	0.7221
	64 Fluoranthene	202	21.059	21.059	(0.891)	225724	1.00000	0.9850
	65 Pyrene	202	21.480	21.480	(0.909)	233421	1.00000	0.9750
$	66 Terphenyl-d14	244	21.735	21.735	(0.920)	167715	1.00000	0.9913
	67 Butylbenzylphthalate	149	22.641	22.641	(0.958)	124930	1.00000	0.7593
	68 Benzo(a)anthracene	228	23.610	23.610	(0.999)	204384	1.00000	0.9490
*	69 Chrysene-d12	240	23.636	23.636	(1.000)	559759	4.00000	
	70 3,3'-Dichlorobenzidine	252	23.559	23.560	(0.997)	147517	3.00000	2.387
	71 Chrysene	228	23.687	23.687	(1.002)	174417	1.00000	0.9457
	72 bis(2-Ethylhexyl)phthalate	149	23.636	23.636	(0.959)	194270	1.00000	0.9252
*	134 Di-n-octylphthalate-d4	153	24.644	24.643	(1.000)	1275950	4.00000	
	73 Di-n-octylphthalate	149	24.656	24.656	(1.001)	360508	1.00000	1.046
	74 Benzo(b)fluoranthene	252	25.600	25.601	(0.968)	207614	1.00000	0.8746
	75 Benzo(k)fluoranthene	252	25.639	25.638	(0.969)	179195	1.00000	0.8906
	76 Benzo(a)pyrene	252	26.315	26.315	(0.995)	138745	1.00000	0.7629
*	77 Perylene-d12	264	26.455	26.442	(1.000)	544580	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	29.393	29.381	(1.111)	173057	1.00000	0.7777
	79 Dibenzo(a,h)anthracene	278	29.393	29.393	(1.111)	153331	1.00000	0.7851
	80 Benzo(g,h,i)perylene	276	29.393	29.381	(1.111)	173057	1.00000	0.7777
	90 N-Nitrosodimethylamine	74	5.211	5.198	(0.547)	269735	2.00000	2.017
	91 Aniline	93	8.995	8.982	(0.944)	399843	2.00000	1.929
	93 Benzidine	184	21.276	21.276	(0.900)	155805	2.00000	1.399
	103 Pyridine	79	5.237	5.224	(0.549)	384156	2.00000	2.009
	105 1-methylnaphthalene	142	13.666	13.666	(1.137)	193389	1.00000	0.9552
	111 Azobenzene (1,2-DP-Hydrazine)	77	17.031	17.031	(1.090)	403001	1.00000	1.009

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.600	25.638	(0.968)	357196	2.00000	1.921
120 2,3,4,6-Tetrachlorophenol	232	16.343	16.344	(1.046)	30675	1.00000	0.7948

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102306.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\ABN.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 13:47
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	270862	135431	541724	285056	5.24
27 Naphthalene-d8	1109588	554794	2219176	1172460	5.67
42 Acenaphthene-d10	499186	249593	998372	524184	5.01
59 Phenanthrene-d10	798865	399433	1597730	841333	5.32
69 Chrysene-d12	542628	271314	1085256	559759	3.16
134 Di-n-octylphthala	1404894	702447	2809788	1275950	-9.18
77 Perylene-d12	520366	260183	1040732	544580	4.65

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.53	9.03	10.03	9.53	-0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	-0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	-0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.66	-0.00
69 Chrysene-d12	23.65	23.15	24.15	23.64	-0.05
134 Di-n-octylphthala	24.64	24.14	25.14	24.64	-0.00
77 Perylene-d12	26.46	25.96	26.96	26.46	-0.00

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

REVIEW SUMMARY FOR FILE - NT1708102306.D

Lab ID:
nt17.i, ABN.m, 10-AUG-2023 15:01

RT	CO-ELUTION COMPOUNDS
29.394	Indeno(1,2,3-cd)pyrene and Dibenzo(a,h)anthracene
29.394	Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene
29.394	Benzo(g,h,i)perylene and Indeno(1,2,3-cd)pyrene

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND

NONE

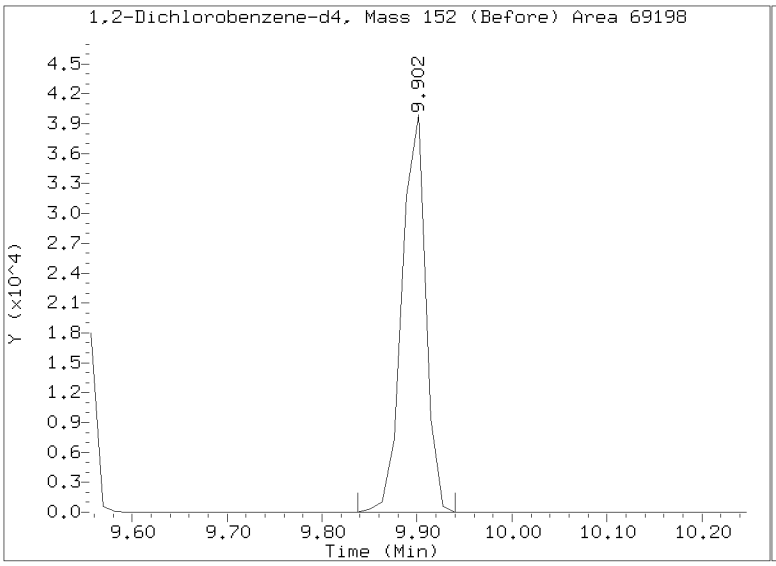
RRT check based on Ccal File: NT1708102308.D

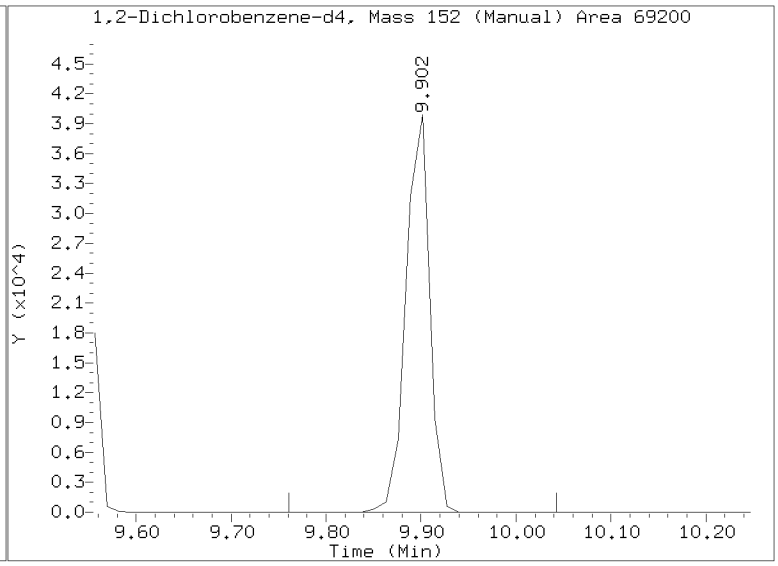
On Column LOD for nt17.i, ABN.m, ICAL.sub = 0.0000

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

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230810.b/NT1708102306.D
Injection Date: 10-AUG-2023 15:01
Lab ID: Client ID:
Report Date: 08/15/2023 16:17





Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102307.D

Date : 10-AUG-2023 15:38

Client ID:

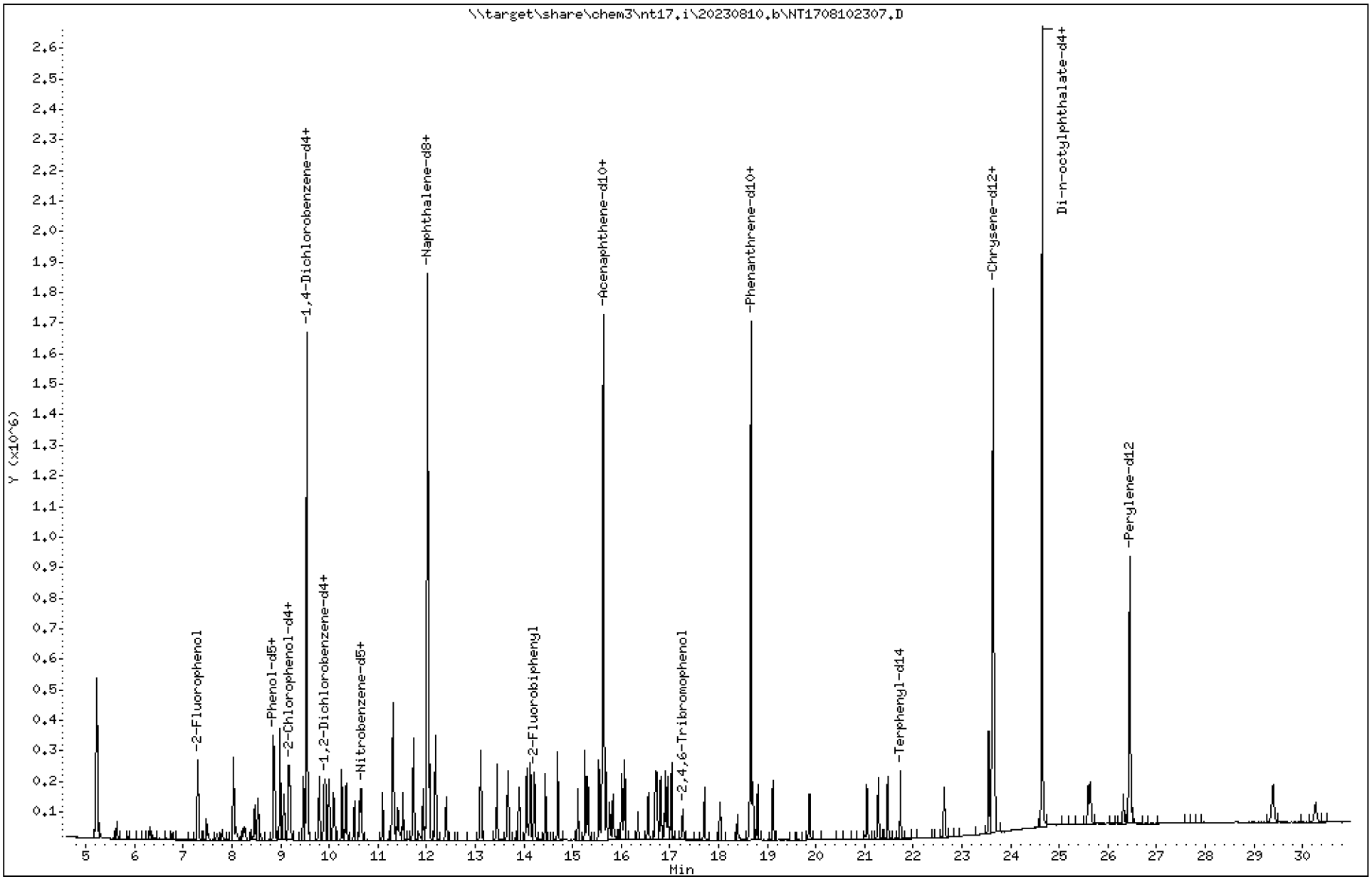
Instrument: nt17.i

Sample Info: SEQ-CAL2

Operator: JGR

Column phase: ZB-5msi

Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt17.i\20230810.b\NT1708102307.D
Lab Smp Id:
Inj Date : 10-AUG-2023 15:38
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-CAL2
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt17.i\20230810.b\ABN.m
Meth Date : 15-Aug-2023 16:16 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:16 Cal File: NT1708102308.D
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	7.301	7.301	(0.766)	91818	0.75000	0.7122
$	2 Phenol-d5	99	8.855	8.855	(0.929)	126239	0.75000	0.6878
	3 Phenol	94	8.881	8.880	(0.932)	91384	0.50000	0.4806
$	5 2-Chlorophenol-d4	132	9.173	9.161	(0.963)	80017	0.75000	0.7001
	4 Bis(2-Chloroethyl)ether	93	9.072	9.071	(0.952)	77309	0.50000	0.4989
	6 2-Chlorophenol	128	9.199	9.199	(0.965)	54495	0.50000	0.4781
	7 1,3-Dichlorobenzene	146	9.467	9.467	(0.993)	59015	0.50000	0.4895
*	8 1,4-Dichlorobenzene-d4	152	9.531	9.531	(1.000)	285060	4.00000	
	9 1,4-Dichlorobenzene	146	9.569	9.569	(1.004)	55687	0.50000	0.4775
$	10 1,2-Dichlorobenzene-d4	152	9.901	9.902	(1.039)	33747	0.50000	0.4743(M)
	12 1,2-Dichlorobenzene	146	9.927	9.927	(1.042)	54605	0.50000	0.4791
	11 Benzyl alcohol	108	9.786	9.786	(1.027)	38209	0.50000	0.4433
	14 2,2'-oxybis(1-Chloropropane)	121	10.080	10.080	(1.058)	18492	0.50000	0.4848
	13 2-Methylphenol	108	10.003	10.003	(1.050)	56772	0.50000	0.4592
	17 Hexachloroethane	117	10.514	10.514	(1.103)	26866	0.50000	0.4464
	16 N-Nitroso-di-n-propylamine	70	10.348	10.348	(1.086)	65158	0.50000	0.4586
	15 4-Methylphenol	108	10.259	10.259	(1.076)	58679	0.50000	0.3354
$	18 Nitrobenzene-d5	82	10.629	10.629	(0.884)	79541	0.50000	0.4392
	19 Nitrobenzene	77	10.668	10.668	(0.887)	89079	0.50000	0.4579
	20 Isophorone	82	11.102	11.103	(0.924)	100351	0.50000	0.3345
	21 2-Nitrophenol	139	11.294	11.294	(0.940)	16375	0.50000	0.2802
	22 2,4-Dimethylphenol	107	11.306	11.306	(0.941)	119880	1.00000	0.8963
	23 Bis(2-Chloroethoxy)methane	93	11.511	11.511	(0.958)	76009	0.50000	0.4832
	24 Benzoic acid	105	11.409	11.396	(0.949)	57620	2.00000	0.4979
	25 2,4-Dichlorophenol	162	11.728	11.728	(0.976)	62604	1.00000	0.9406
	26 1,2,4-Trichlorobenzene	180	11.932	11.919	(0.993)	39175	0.50000	0.4932
*	27 Naphthalene-d8	136	12.021	12.021	(1.000)	1165038	4.00000	
	28 Naphthalene	128	12.059	12.059	(1.003)	151465	0.50000	0.4780
	29 4-Chloroaniline	127	12.174	12.174	(1.013)	125082	1.00000	0.8669
	30 Hexachlorobutadiene	225	12.403	12.403	(1.032)	16500	0.50000	0.4520
	31 4-Chloro-3-methylphenol	107	13.117	13.118	(1.091)	88829	1.00000	0.6794
	32 2-Methylnaphthalene	142	13.449	13.449	(1.119)	98461	0.50000	0.4488
	33 Hexachlorocyclopentadiene	237	13.908	13.908	(0.890)	29174	1.00000	0.5872

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
	34	2,4,6-Trichlorophenol	196	14.061	14.061	(0.900)	33763	1.00000	0.6144
	35	2,4,5-Trichlorophenol	196	14.125	14.125	(0.904)	41201	1.00000	0.8261
$	36	2-Fluorobiphenyl	172	14.214	14.214	(0.909)	90387	0.50000	0.4681
	37	2-Chloronaphthalene	162	14.444	14.444	(0.924)	82061	0.50000	0.4696
	38	2-Nitroaniline	65	14.699	14.699	(0.940)	86845	1.00000	0.6155
	39	Dimethylphthalate	163	15.107	15.107	(0.967)	84916	0.50000	0.4660
	40	Acenaphthylene	152	15.311	15.311	(0.980)	126773	0.50000	0.4713
	41	2,6-Dinitrotoluene	165	15.260	15.260	(0.976)	30436	1.00000	0.7684
*	42	Acenaphthene-d10	164	15.630	15.630	(1.000)	522162	4.00000	
	43	3-Nitroaniline	138	15.540	15.541	(0.994)	42800	1.00000	0.6612
	44	Acenaphthene	153	15.693	15.693	(1.004)	77785	0.50000	0.4605
	45	2,4-Dinitrophenol	184	15.757	15.758	(1.008)	14794	2.00000	0.6416
	46	Dibenzofuran	168	16.012	16.012	(1.024)	106708	0.50000	0.4651
	47	4-Nitrophenol	109	15.834	15.834	(1.013)	24096	1.00000	0.5225
	48	2,4-Dinitrotoluene	165	16.063	16.062	(1.028)	39856	1.00000	0.6383
	50	Diethylphthalate	149	16.560	16.559	(1.060)	85611	0.50000	0.3660
	49	Fluorene	166	16.726	16.726	(1.070)	81973	0.50000	0.4464
	51	4-Chlorophenyl-phenylether	204	16.700	16.700	(1.068)	33775	0.50000	0.4072
	52	4-Nitroaniline	138	16.815	16.815	(1.076)	45167	1.00000	0.8724
	53	4,6-Dinitro-2-methylphenol	198	16.904	16.904	(0.906)	25423	2.00000	0.8156
	54	N-Nitrosodiphenylamine	169	16.955	16.955	(0.909)	60422	0.50000	0.4805
$	55	2,4,6-Tribromophenol	330	17.260	17.261	(1.104)	8937	0.75000	0.5785
	56	4-Bromophenyl-phenylether	248	17.705	17.705	(0.949)	15234	0.50000	0.4406
	57	Hexachlorobenzene	284	18.037	18.037	(0.967)	18433	0.50000	0.4834
	58	Pentachlorophenol	266	18.394	18.394	(0.986)	11071	1.00000	0.5016
*	59	Phenanthrene-d10	188	18.662	18.662	(1.000)	832093	4.00000	
	60	Phenanthrene	178	18.713	18.700	(1.003)	108094	0.50000	0.4494
	61	Anthracene	178	18.802	18.802	(1.008)	92378	0.50000	0.4282
	62	Carbazole	167	19.121	19.121	(1.025)	105103	0.50000	0.4962
	63	Di-n-butylphthalate	149	19.873	19.861	(1.065)	117463	0.50000	0.2937
	64	Fluoranthene	202	21.059	21.059	(0.891)	100589	0.50000	0.4390
	65	Pyrene	202	21.480	21.480	(0.909)	107509	0.50000	0.4491
$	66	Terphenyl-d14	244	21.735	21.735	(0.920)	77807	0.50000	0.4599
	67	Butylbenzylphthalate	149	22.641	22.641	(0.958)	47847	0.50000	0.2908
	68	Benzo(a)anthracene	228	23.610	23.610	(0.999)	95669	0.50000	0.4442
*	69	Chrysene-d12	240	23.636	23.636	(1.000)	559750	4.00000	
	70	3,3'-Dichlorobenzidine	252	23.559	23.560	(0.997)	87566	1.50000	1.422
	71	Chrysene	228	23.687	23.687	(1.002)	85085	0.50000	0.4613
	72	bis(2-Ethylhexyl)phthalate	149	23.636	23.636	(0.959)	78277	0.50000	0.3856
*	134	Di-n-octylphthalate-d4	153	24.644	24.643	(1.000)	1233596	4.00000	
	73	Di-n-octylphthalate	149	24.656	24.656	(1.001)	167447	0.50000	0.5026
	74	Benzo(b)fluoranthene	252	25.600	25.601	(0.968)	78761	0.50000	0.3311
	75	Benzo(k)fluoranthene	252	25.639	25.638	(0.970)	98129	0.50000	0.4867
	76	Benzo(a)pyrene	252	26.315	26.315	(0.995)	61635	0.50000	0.3382
*	77	Perylene-d12	264	26.442	26.442	(1.000)	545696	4.00000	
	78	Indeno(1,2,3-cd)pyrene	276	29.393	29.381	(1.112)	75993	0.50000	0.3408
	79	Dibenzo(a,h)anthracene	278	29.393	29.393	(1.112)	68633	0.50000	0.3507
	80	Benzo(g,h,i)perylene	276	29.393	29.381	(1.112)	75993	0.50000	0.3408
	90	N-Nitrosodimethylamine	74	5.199	5.198	(0.545)	130950	1.00000	0.9790
	91	Aniline	93	8.982	8.982	(0.942)	195495	1.00000	0.9434
	93	Benzidine	184	21.276	21.276	(0.900)	92734	1.00000	0.8351
	103	Pyridine	79	5.224	5.224	(0.548)	190739	1.00000	0.9975
	105	1-methylnaphthalene	142	13.666	13.666	(1.137)	91619	0.50000	0.4554
	111	Azobenzene (1,2-DP-Hydrazine)	77	17.031	17.031	(1.090)	189261	0.50000	0.4757

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.639	25.638	(0.970)	163565	1.00000	0.8779
120 2,3,4,6-Tetrachlorophenol	232	16.343	16.344	(1.046)	12866	0.50000	0.3346

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102307.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\ABN.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 13:47
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	270862	135431	541724	285060	5.24
27 Naphthalene-d8	1109588	554794	2219176	1165038	5.00
42 Acenaphthene-d10	499186	249593	998372	522162	4.60
59 Phenanthrene-d10	798865	399433	1597730	832093	4.16
69 Chrysene-d12	542628	271314	1085256	559750	3.16
134 Di-n-octylphthala	1404894	702447	2809788	1233596	-12.19
77 Perylene-d12	520366	260183	1040732	545696	4.87

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.53	9.03	10.03	9.53	-0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	-0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	-0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.66	-0.00
69 Chrysene-d12	23.65	23.15	24.15	23.64	-0.05
134 Di-n-octylphthala	24.64	24.14	25.14	24.64	-0.00
77 Perylene-d12	26.46	25.96	26.96	26.44	-0.05

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

REVIEW SUMMARY FOR FILE - NT1708102307.D

Lab ID:
nt17.i, ABN.m, 10-AUG-2023 15:38

RT	CO-ELUTION COMPOUNDS
29.394	Indeno(1,2,3-cd)pyrene and Dibenzo(a,h)anthracene
29.394	Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene
29.394	Benzo(g,h,i)perylene and Indeno(1,2,3-cd)pyrene

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND

NONE

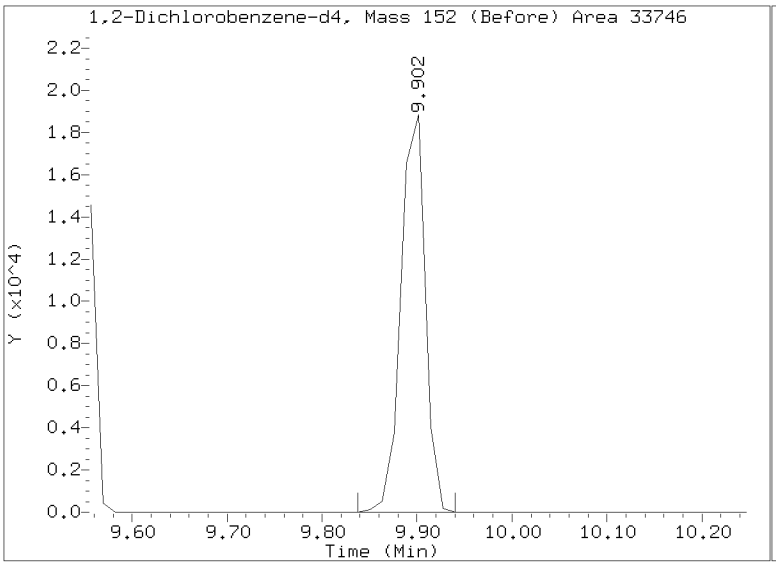
RRT check based on Ccal File: NT1708102308.D

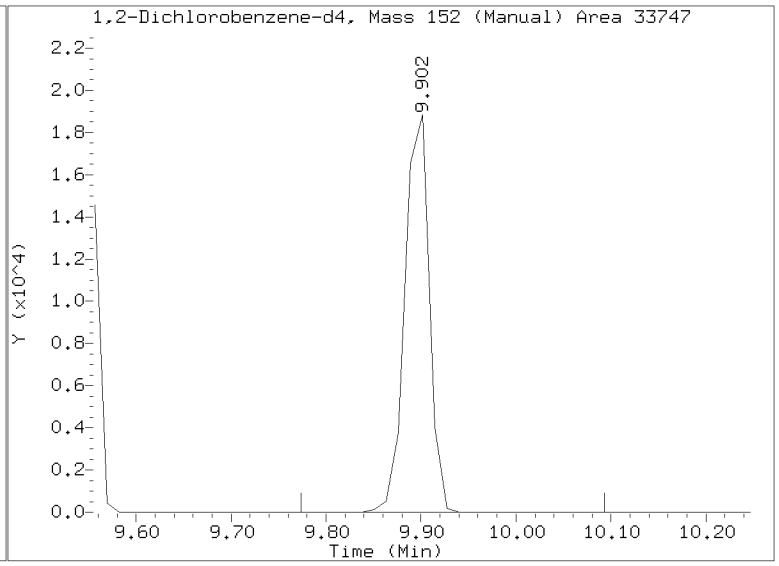
On Column LOD for nt17.i, ABN.m, ICAL.sub = 0.0000

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

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230810.b/NT1708102307.D
Injection Date: 10-AUG-2023 15:38
Lab ID: Client ID:
Report Date: 08/15/2023 16:17





Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102308.D

Page 1

Date : 10-AUG-2023 16:16

Client ID:

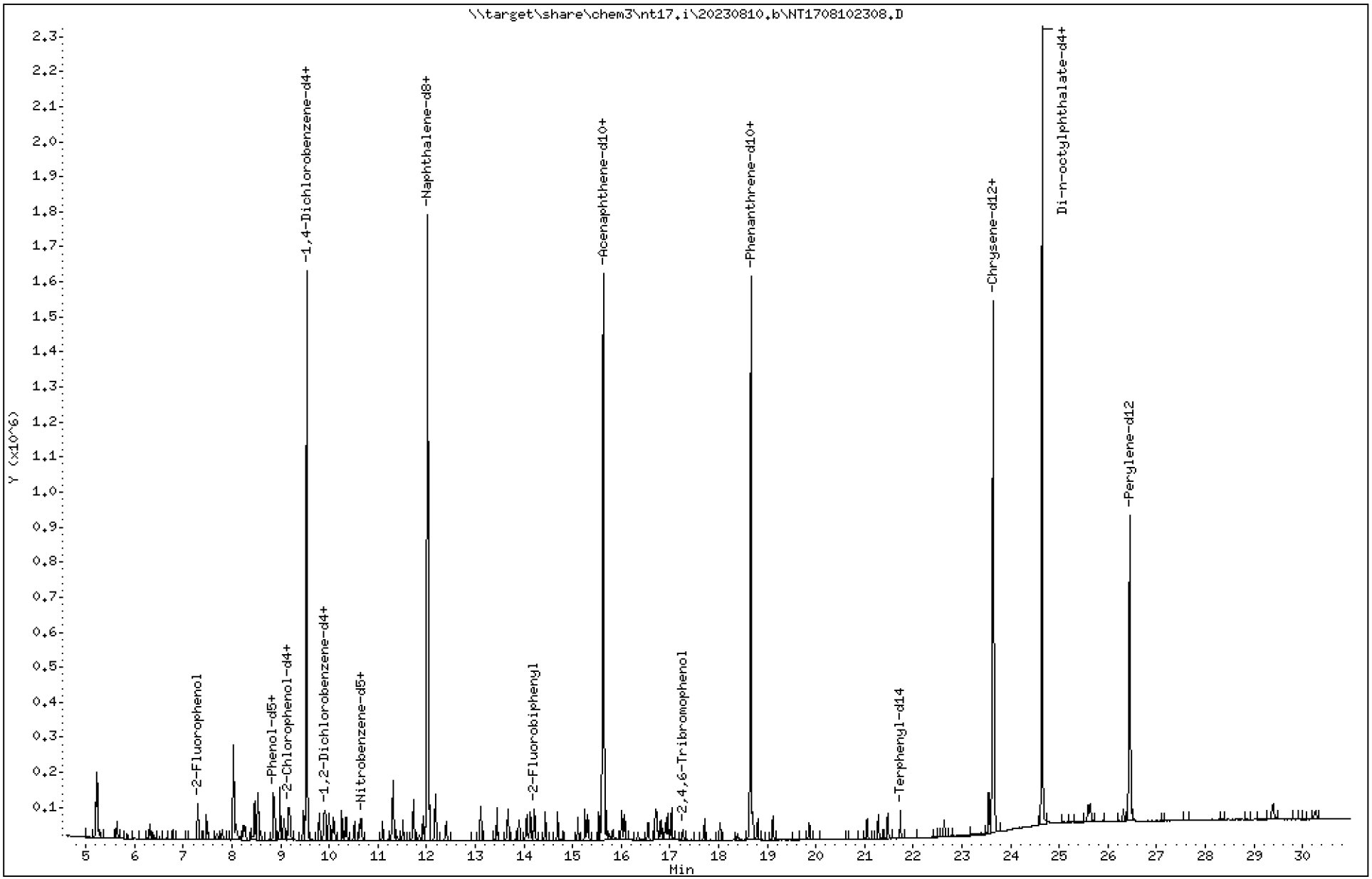
Instrument: nt17.i

Sample Info: SEQ-CAL1

Operator: JGR

Column phase: ZB-5msi

Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt17.i\20230810.b\NT1708102308.D
Lab Smp Id:
Inj Date : 10-AUG-2023 16:16
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-CAL1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt17.i\20230810.b\ABN.m
Meth Date : 15-Aug-2023 16:16 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:16 Cal File: NT1708102308.D
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	7.301	7.301	(0.766)	35537	0.30000	0.2811
$	2 Phenol-d5	99	8.855	8.855	(0.929)	49103	0.30000	0.2728
	3 Phenol	94	8.880	8.880	(0.932)	36693	0.20000	0.1968
$	5 2-Chlorophenol-d4	132	9.161	9.161	(0.961)	30960	0.30000	0.2762
	4 Bis(2-Chloroethyl)ether	93	9.071	9.071	(0.952)	31653	0.20000	0.2083
	6 2-Chlorophenol	128	9.199	9.199	(0.965)	21716	0.20000	0.1943
	7 1,3-Dichlorobenzene	146	9.467	9.467	(0.993)	23971	0.20000	0.2028
*	8 1,4-Dichlorobenzene-d4	152	9.531	9.531	(1.000)	279556	4.00000	
	9 1,4-Dichlorobenzene	146	9.569	9.569	(1.004)	23570	0.20000	0.2061
$	10 1,2-Dichlorobenzene-d4	152	9.901	9.902	(1.039)	14028	0.20000	0.2010(M)
	12 1,2-Dichlorobenzene	146	9.927	9.927	(1.042)	21999	0.20000	0.1968
	11 Benzyl alcohol	108	9.786	9.786	(1.027)	14971	0.20000	0.1771
	14 2,2'-oxybis(1-Chloropropane)	121	10.080	10.080	(1.058)	7867	0.20000	0.2103
	13 2-Methylphenol	108	10.003	10.003	(1.050)	21760	0.20000	0.1795
	17 Hexachloroethane	117	10.514	10.514	(1.103)	10848	0.20000	0.1838
	16 N-Nitroso-di-n-propylamine	70	10.348	10.348	(1.086)	24746	0.20000	0.1776
	15 4-Methylphenol	108	10.259	10.259	(1.076)	28070	0.20000	0.1636
$	18 Nitrobenzene-d5	82	10.629	10.629	(0.884)	29303	0.20000	0.1661
	19 Nitrobenzene	77	10.668	10.668	(0.887)	32568	0.20000	0.1718
	20 Isophorone	82	11.102	11.103	(0.924)	36803	0.20000	0.1259
	21 2-Nitrophenol	139	11.294	11.294	(0.940)	5202	0.20000	0.09137
	22 2,4-Dimethylphenol	107	11.306	11.306	(0.941)	45624	0.40000	0.3501
	23 Bis(2-Chloroethoxy)methane	93	11.511	11.511	(0.958)	29544	0.20000	0.1928
	24 Benzoic acid	105	11.396	11.396	(0.948)	9573	0.80000	0.08490(M)
	25 2,4-Dichlorophenol	162	11.728	11.728	(0.976)	22676	0.40000	0.3508
	26 1,2,4-Trichlorobenzene	180	11.919	11.919	(0.992)	15163	0.20000	0.1959
*	27 Naphthalene-d8	136	12.021	12.021	(1.000)	1135048	4.00000	
	28 Naphthalene	128	12.059	12.059	(1.003)	60896	0.20000	0.1973
	29 4-Chloroaniline	127	12.174	12.174	(1.013)	47215	0.40000	0.3359
	30 Hexachlorobutadiene	225	12.403	12.403	(1.032)	6629	0.20000	0.1864
	31 4-Chloro-3-methylphenol	107	13.117	13.118	(1.091)	30053	0.40000	0.2359
	32 2-Methylnaphthalene	142	13.449	13.449	(1.119)	38290	0.20000	0.1791
	33 Hexachlorocyclopentadiene	237	13.908	13.908	(0.890)	10636	0.40000	0.2247

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
	34 2,4,6-Trichlorophenol	196	14.061	14.061	(0.900)	10916	0.40000	0.2086
	35 2,4,5-Trichlorophenol	196	14.125	14.125	(0.904)	12981	0.40000	0.2732
$	36 2-Fluorobiphenyl	172	14.214	14.214	(0.909)	35753	0.20000	0.1944
	37 2-Chloronaphthalene	162	14.444	14.444	(0.924)	30879	0.20000	0.1855
	38 2-Nitroaniline	65	14.699	14.699	(0.940)	24657	0.40000	0.1835
	39 Dimethylphthalate	163	15.107	15.107	(0.967)	32812	0.20000	0.1890
	40 Acenaphthylene	152	15.311	15.311	(0.980)	45298	0.20000	0.1768
	41 2,6-Dinitrotoluene	165	15.260	15.260	(0.976)	8612	0.40000	0.2283
*	42 Acenaphthene-d10	164	15.630	15.630	(1.000)	497374	4.00000	
	43 3-Nitroaniline	138	15.540	15.541	(0.994)	12772	0.40000	0.2072
	44 Acenaphthene	153	15.693	15.693	(1.004)	30558	0.20000	0.1899
	45 2,4-Dinitrophenol	184	15.757	15.758	(1.008)	2309	0.80000	0.1053
	46 Dibenzofuran	168	16.012	16.012	(1.024)	42198	0.20000	0.1931
	47 4-Nitrophenol	109	15.833	15.834	(1.013)	5265	0.40000	0.1199
	48 2,4-Dinitrotoluene	165	16.063	16.062	(1.028)	10495	0.40000	0.1764
	50 Diethylphthalate	149	16.560	16.559	(1.060)	30072	0.20000	0.1350
	49 Fluorene	166	16.726	16.726	(1.070)	30675	0.20000	0.1754
	51 4-Chlorophenyl-phenylether	204	16.700	16.700	(1.068)	13452	0.20000	0.1703
	52 4-Nitroaniline	138	16.815	16.815	(1.076)	13489	0.40000	0.2735
	53 4,6-Dinitro-2-methylphenol	198	16.904	16.904	(0.906)	5540	0.80000	0.1864
	54 N-Nitrosodiphenylamine	169	16.955	16.955	(0.909)	21462	0.20000	0.1790
$	55 2,4,6-Tribromophenol	330	17.260	17.261	(1.104)	2781	0.30000	0.1895
	56 4-Bromophenyl-phenylether	248	17.705	17.705	(0.949)	5875	0.20000	0.1782
	57 Hexachlorobenzene	284	18.037	18.037	(0.967)	7374	0.20000	0.2028
	58 Pentachlorophenol	266	18.394	18.394	(0.986)	2353	0.40000	0.1120
*	59 Phenanthrene-d10	188	18.662	18.662	(1.000)	793323	4.00000	
	60 Phenanthrene	178	18.700	18.700	(1.002)	44801	0.20000	0.1954
	61 Anthracene	178	18.802	18.802	(1.008)	31786	0.20000	0.1545
	62 Carbazole	167	19.121	19.121	(1.025)	37956	0.20000	0.1886
	63 Di-n-butylphthalate	149	19.860	19.861	(1.064)	34818	0.20000	0.09130
	64 Fluoranthene	202	21.059	21.059	(0.891)	33879	0.20000	0.1546
	65 Pyrene	202	21.480	21.480	(0.909)	38715	0.20000	0.1691
$	66 Terphenyl-d14	244	21.735	21.735	(0.920)	28601	0.20000	0.1768
	67 Butylbenzylphthalate	149	22.641	22.641	(0.958)	13780	0.20000	0.08761
	68 Benzo(a)anthracene	228	23.610	23.610	(0.999)	35653	0.20000	0.1732
*	69 Chrysene-d12	240	23.636	23.636	(1.000)	535147	4.00000	
	70 3,3'-Dichlorobenzidine	252	23.559	23.560	(0.997)	28882	0.60000	0.4926
	71 Chrysene	228	23.687	23.687	(1.002)	34133	0.20000	0.1936
	72 bis(2-Ethylhexyl)phthalate	149	23.636	23.636	(0.959)	22229	0.20000	0.1194
*	134 Di-n-octylphthalate-d4	153	24.643	24.643	(1.000)	1130847	4.00000	
	73 Di-n-octylphthalate	149	24.656	24.656	(1.001)	64740	0.20000	0.2120
	74 Benzo(b)fluoranthene	252	25.600	25.601	(0.968)	30559	0.20000	0.1337
	75 Benzo(k)fluoranthene	252	25.638	25.638	(0.970)	36636	0.20000	0.1892
	76 Benzo(a)pyrene	252	26.315	26.315	(0.995)	20910	0.20000	0.1195
*	77 Perylene-d12	264	26.442	26.442	(1.000)	524200	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	29.380	29.381	(1.111)	27108	0.20000	0.1266
	79 Dibenzo(a,h)anthracene	278	29.393	29.393	(1.112)	24188	0.20000	0.1287
	80 Benzo(g,h,i)perylene	276	29.380	29.381	(1.111)	27108	0.20000	0.1266
	90 N-Nitrosodimethylamine	74	5.198	5.198	(0.545)	52383	0.40000	0.3994
	91 Aniline	93	8.982	8.982	(0.942)	79029	0.40000	0.3889
	93 Benzidine	184	21.276	21.276	(0.900)	34810	0.40000	0.3287
	103 Pyridine	79	5.224	5.224	(0.548)	76949	0.40000	0.4103
	105 1-methylnaphthalene	142	13.666	13.666	(1.137)	35672	0.20000	0.1820
	111 Azobenzene (1,2-DP-Hydrazine)	77	17.031	17.031	(1.090)	65809	0.20000	0.1737

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.638	25.638	(0.970)	61504	0.40000	0.3436
120 2,3,4,6-Tetrachlorophenol	232	16.343	16.344	(1.046)	3028	0.20000	0.08268

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102308.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\ABN.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 13:47
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	270862	135431	541724	279556	3.21
27 Naphthalene-d8	1109588	554794	2219176	1135048	2.29
42 Acenaphthene-d10	499186	249593	998372	497374	-0.36
59 Phenanthrene-d10	798865	399433	1597730	793323	-0.69
69 Chrysene-d12	542628	271314	1085256	535147	-1.38
134 Di-n-octylphthala	1404894	702447	2809788	1130847	-19.51
77 Perylene-d12	520366	260183	1040732	524200	0.74

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.53	9.03	10.03	9.53	-0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	-0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	-0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.66	-0.00
69 Chrysene-d12	23.65	23.15	24.15	23.64	-0.05
134 Di-n-octylphthala	24.64	24.14	25.14	24.64	-0.00
77 Perylene-d12	26.46	25.96	26.96	26.44	-0.05

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

REVIEW SUMMARY FOR FILE - NT1708102308.D

Lab ID:
nt17.i, ABN.m, 10-AUG-2023 16:16

RT	CO-ELUTION COMPOUNDS
29.381	Benzo(g,h,i)perylene and Indeno(1,2,3-cd)pyrene

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
NONE			

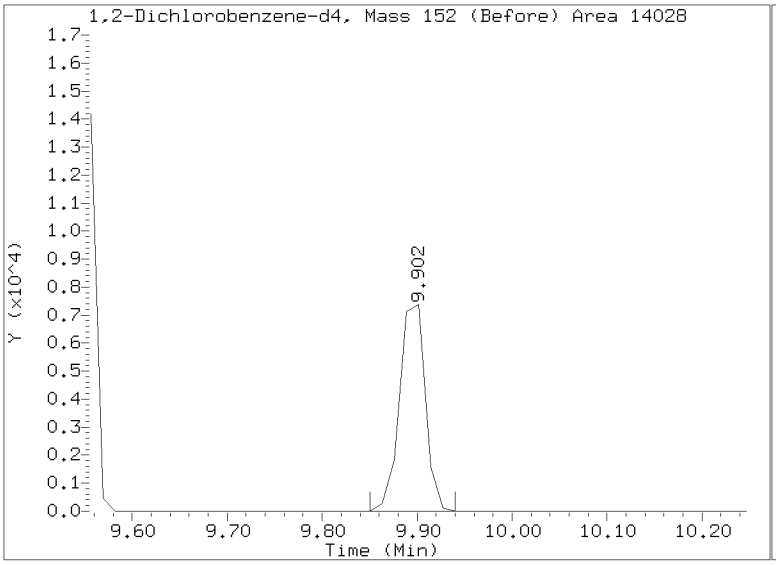
RRT check based on Ccal File: NT1708102308.D

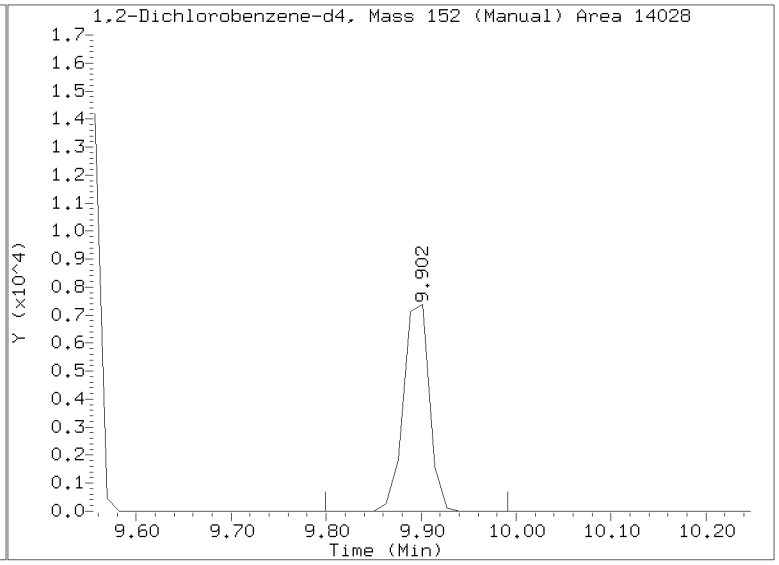
On Column LOD for nt17.i, ABN.m, ICAL.sub = 0.0000

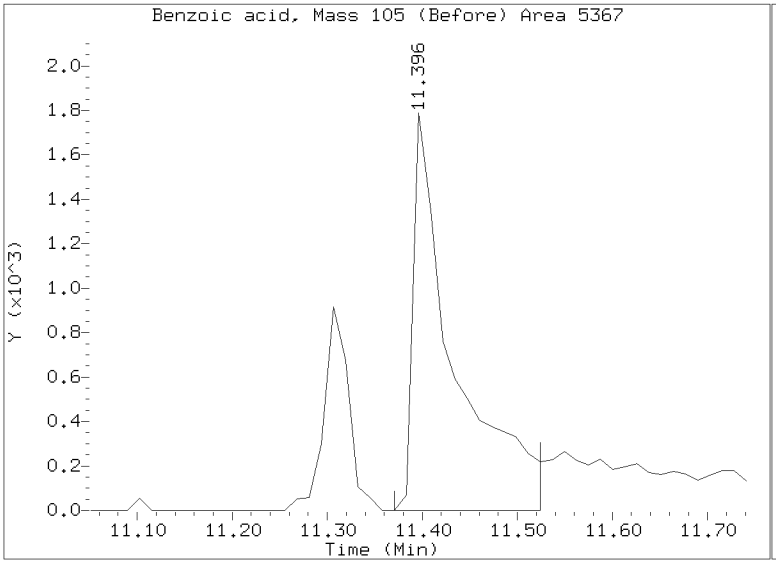
* Only compounds listed in the work order have been verified by the analyst *

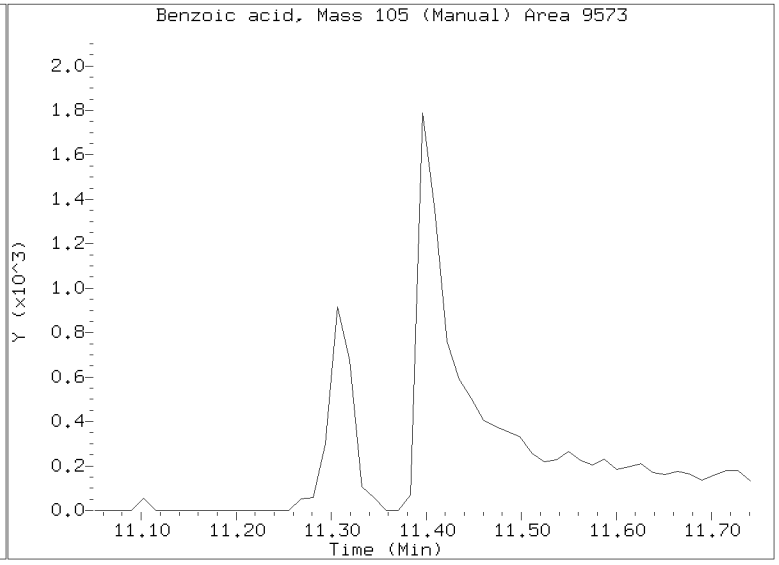
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230810.b/NT1708102308.D
Injection Date: 10-AUG-2023 16:16
Lab ID: Client ID:
Report Date: 08/15/2023 16:17



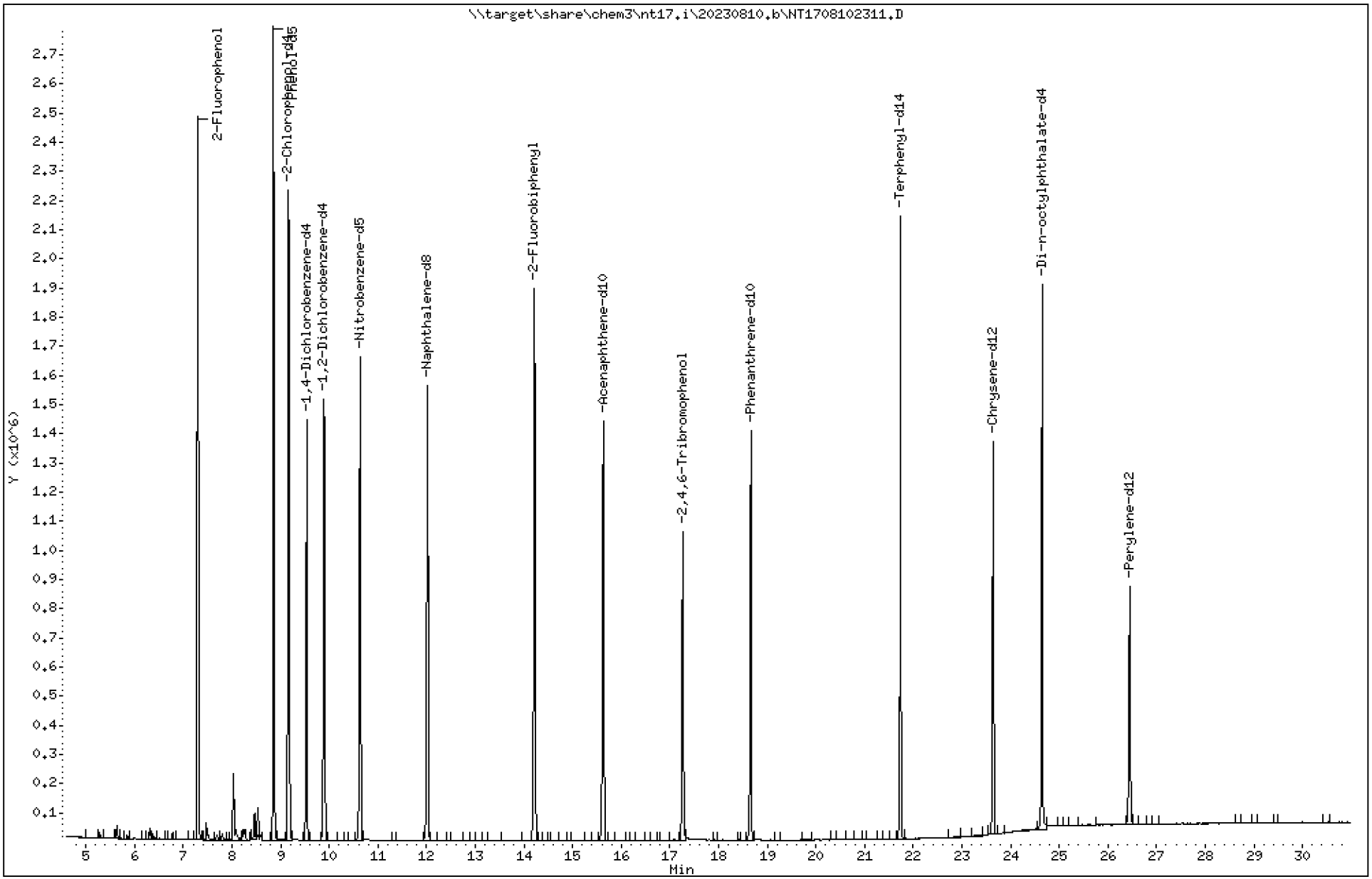






Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102311.D
Date : 10-AUG-2023 18:08
Client ID:
Sample Info: SEQ-ICB

Instrument: nt17.i
Operator: JGR
Column phase: ZB-5msi
Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt17.i\20230810.b\NT1708102311.D
Lab Smp Id: SEQ-ICB
Inj Date : 10-AUG-2023 18:08
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-ICB
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt17.i\20230810.b\ABN.m
Meth Date : 15-Aug-2023 16:16 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:16 Cal File: NT1708102308.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$ 1	2-Fluorophenol	112	7.301	7.301	(0.766)	829110	7.29592	7.296
$ 2	Phenol-d5	99	8.855	8.855	(0.929)	1151217	7.11483	7.115
3	Phenol	94	Compound Not Detected.					
$ 5	2-Chlorophenol-d4	132	9.174	9.161	(0.963)	748436	7.42885	7.429
4	Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6	2-Chlorophenol	128	Compound Not Detected.					
7	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8	1,4-Dichlorobenzene-d4	152	9.531	9.531	(1.000)	251285	4.00000	
9	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10	1,2-Dichlorobenzene-d4	152	9.901	9.902	(1.039)	301546	4.80736	4.807
12	1,2-Dichlorobenzene	146	Compound Not Detected.					
11	Benzyl alcohol	108	Compound Not Detected.					
14	2,2'-oxybis(1-Chloropropane)	121	Compound Not Detected.					
13	2-Methylphenol	108	Compound Not Detected.					
17	Hexachloroethane	117	Compound Not Detected.					
16	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
15	4-Methylphenol	108	Compound Not Detected.					
$ 18	Nitrobenzene-d5	82	10.630	10.629	(0.884)	826020	5.11232	5.112
19	Nitrobenzene	77	Compound Not Detected.					
20	Isophorone	82	Compound Not Detected.					
21	2-Nitrophenol	139	Compound Not Detected.					
22	2,4-Dimethylphenol	107	Compound Not Detected.					
23	Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
24	Benzoic acid	105	Compound Not Detected.					
25	2,4-Dichlorophenol	162	Compound Not Detected.					
26	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
* 27	Naphthalene-d8	136	12.021	12.021	(1.000)	1039519	4.00000	
28	Naphthalene	128	Compound Not Detected.					
29	4-Chloroaniline	127	Compound Not Detected.					
30	Hexachlorobutadiene	225	Compound Not Detected.					
31	4-Chloro-3-methylphenol	107	Compound Not Detected.					
32	2-Methylnaphthalene	142	Compound Not Detected.					
33	Hexachlorocyclopentadiene	237	Compound Not Detected.					

			QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
	34	2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35	2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36	2-Fluorobiphenyl	172	14.214	14.214	(0.909)	813946	4.86433	4.864
	37	2-Chloronaphthalene	162	Compound Not Detected.					
	38	2-Nitroaniline	65	Compound Not Detected.					
	39	Dimethylphthalate	163	Compound Not Detected.					
	40	Acenaphthylene	152	Compound Not Detected.					
	41	2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42	Acenaphthene-d10	164	15.630	15.630	(1.000)	452450	4.00000	
	43	3-Nitroaniline	138	Compound Not Detected.					
	44	Acenaphthene	153	Compound Not Detected.					
	45	2,4-Dinitrophenol	184	Compound Not Detected.					
	46	Dibenzofuran	168	Compound Not Detected.					
	47	4-Nitrophenol	109	Compound Not Detected.					
	48	2,4-Dinitrotoluene	165	Compound Not Detected.					
	50	Diethylphthalate	149	Compound Not Detected.					
	49	Fluorene	166	Compound Not Detected.					
	51	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52	4-Nitroaniline	138	Compound Not Detected.					
	53	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54	N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55	2,4,6-Tribromophenol	330	17.260	17.261	(1.104)	85875	6.16699	6.167
	56	4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57	Hexachlorobenzene	284	Compound Not Detected.					
	58	Pentachlorophenol	266	Compound Not Detected.					
*	59	Phenanthrene-d10	188	18.662	18.662	(1.000)	737850	4.00000	
	60	Phenanthrene	178	Compound Not Detected.					
	61	Anthracene	178	Compound Not Detected.					
	62	Carbazole	167	Compound Not Detected.					
	63	Di-n-butylphthalate	149	Compound Not Detected.					
	64	Fluoranthene	202	Compound Not Detected.					
	65	Pyrene	202	Compound Not Detected.					
$	66	Terphenyl-d14	244	21.735	21.735	(0.920)	732893	5.18047	5.180
	67	Butylbenzylphthalate	149	Compound Not Detected.					
	68	Benzo(a)anthracene	228	Compound Not Detected.					
*	69	Chrysene-d12	240	23.636	23.636	(1.000)	468082	4.00000	
	70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71	Chrysene	228	Compound Not Detected.					
	72	bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
*	134	Di-n-octylphthalate-d4	153	24.644	24.643	(1.000)	944103	4.00000	
	73	Di-n-octylphthalate	149	Compound Not Detected.					
	74	Benzo(b)fluoranthene	252	Compound Not Detected.					
	75	Benzo(k)fluoranthene	252	Compound Not Detected.					
	76	Benzo(a)pyrene	252	Compound Not Detected.					
*	77	Perylene-d12	264	26.442	26.442	(1.000)	482731	4.00000	
	78	Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	79	Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80	Benzo(g,h,i)perylene	276	Compound Not Detected.					
	90	N-Nitrosodimethylamine	74	Compound Not Detected.					
	91	Aniline	93	Compound Not Detected.					
	93	Benzidine	184	Compound Not Detected.					
	103	Pyridine	79	Compound Not Detected.					
	105	1-methylnaphthalene	142	Compound Not Detected.					
	111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

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

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102311.D
Lab Smp Id: SEQ-ICB
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\ABN.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 13:47
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	270862	135431	541724	251285	-7.23
27 Naphthalene-d8	1109588	554794	2219176	1039519	-6.31
42 Acenaphthene-d10	499186	249593	998372	452450	-9.36
59 Phenanthrene-d10	798865	399433	1597730	737850	-7.64
69 Chrysene-d12	542628	271314	1085256	468082	-13.74
134 Di-n-octylphthala	1404894	702447	2809788	944103	-32.80
77 Perylene-d12	520366	260183	1040732	482731	-7.23

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.53	9.03	10.03	9.53	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.66	0.00
69 Chrysene-d12	23.65	23.15	24.15	23.64	-0.05
134 Di-n-octylphthala	24.64	24.14	25.14	24.64	0.00
77 Perylene-d12	26.46	25.96	26.96	26.44	-0.05

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

REVIEW SUMMARY FOR FILE - NT1708102311.D

Lab ID: SEQ-ICB
nt17.i, ABN.m, 10-AUG-2023 18:08

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND

NONE

RRT check based on Ccal File: NT1708102308.D

On Column LOD for nt17.i, ABN.m, ICAL.sub = 0.0000

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

Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

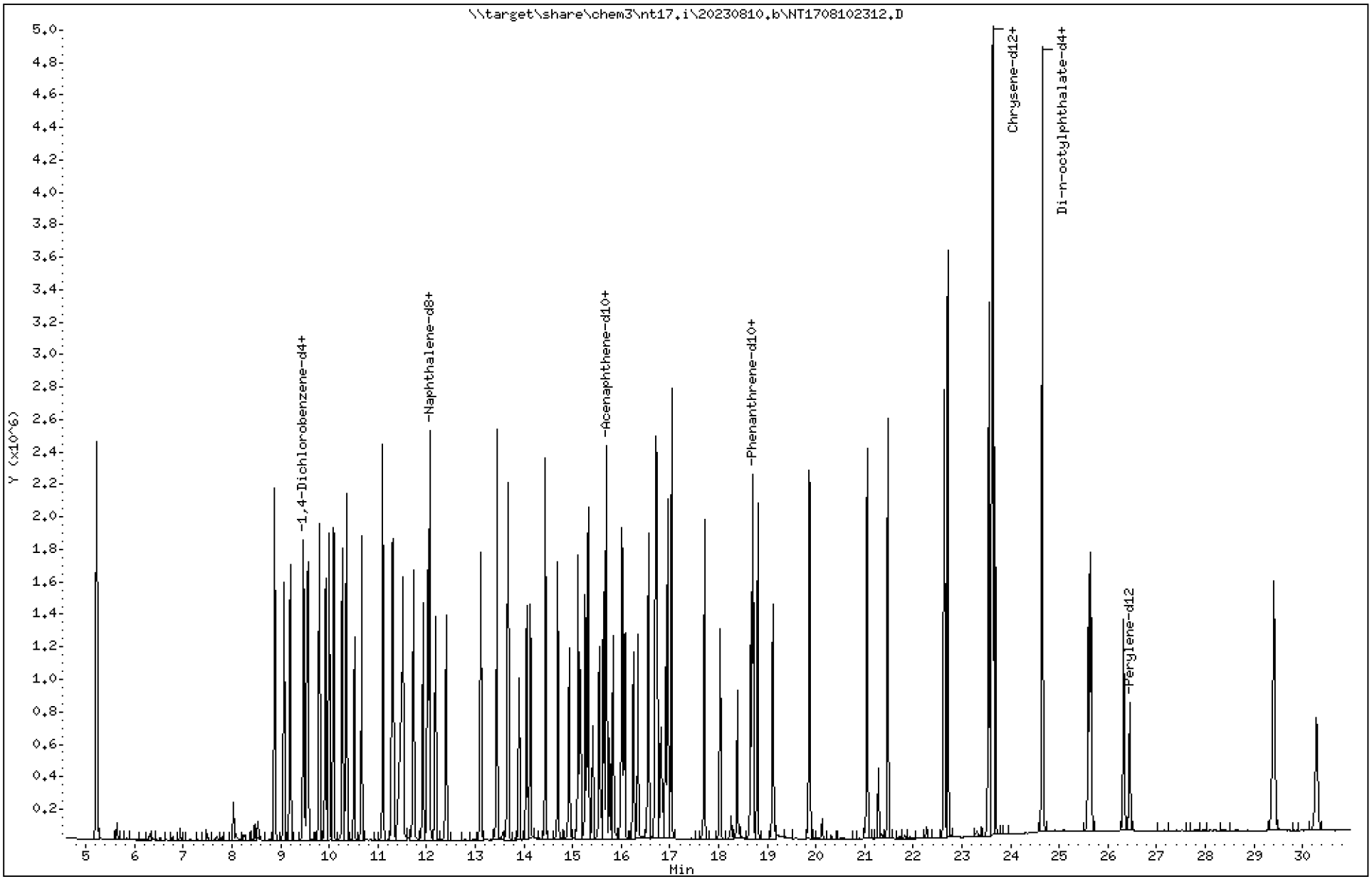
Instrument: nt17.i

Sample Info: SEQ-SCV1

Operator: JGR

Column phase: ZB-5msi

Column diameter: 0.25



Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

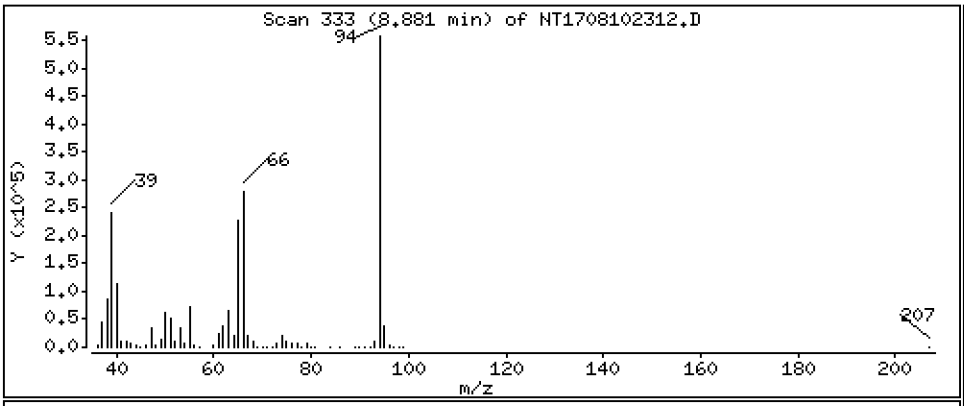
Operator: JGR

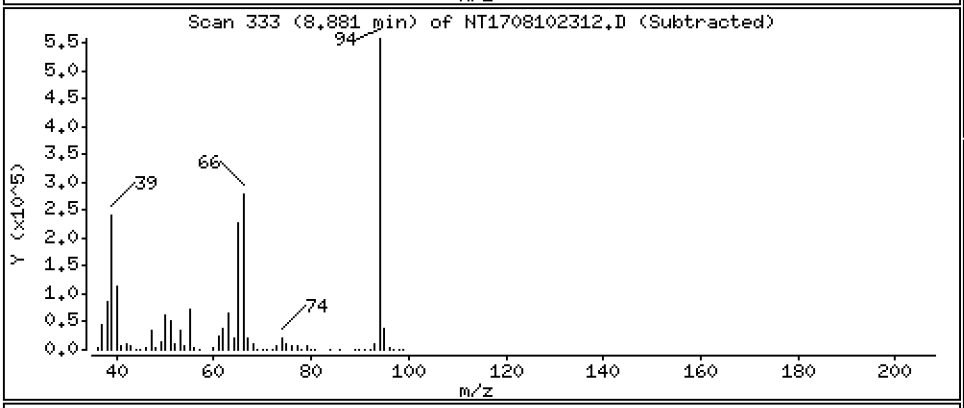
Column phase: ZB-5msi

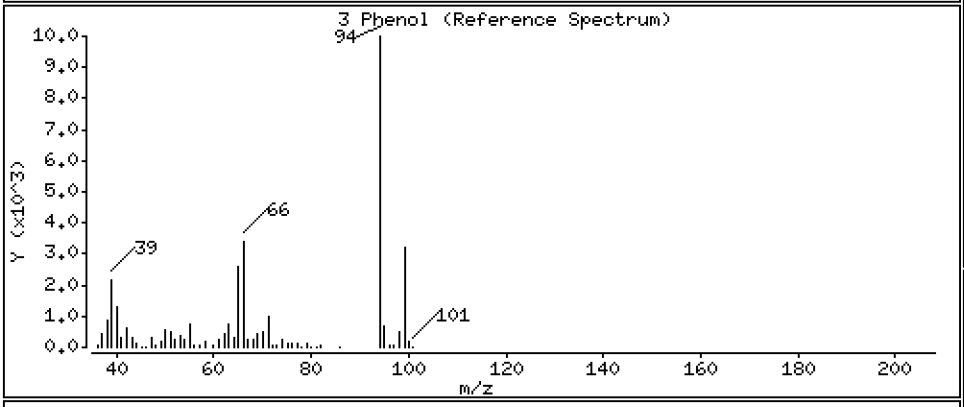
Column diameter: 0.25

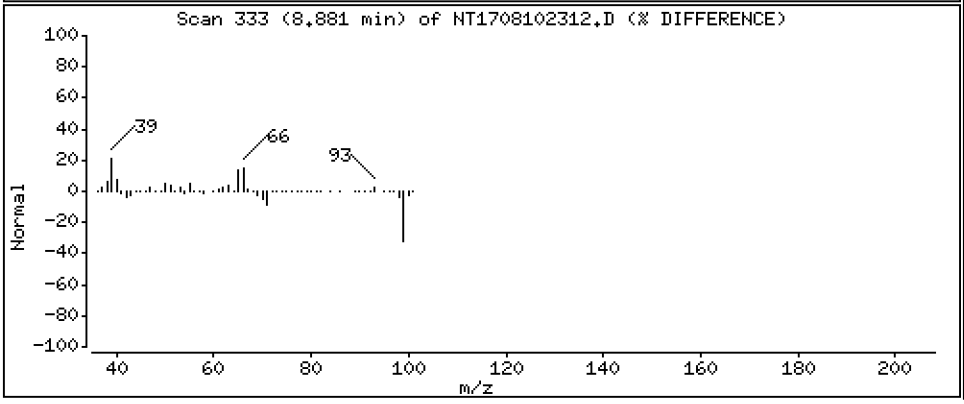
3 Phenol

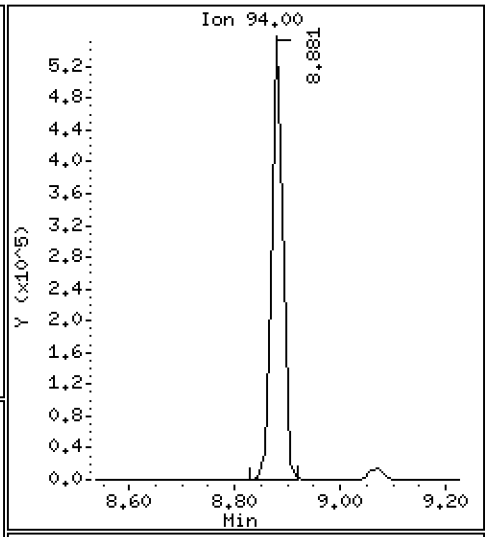
Concentration: 5.374 ug/mL

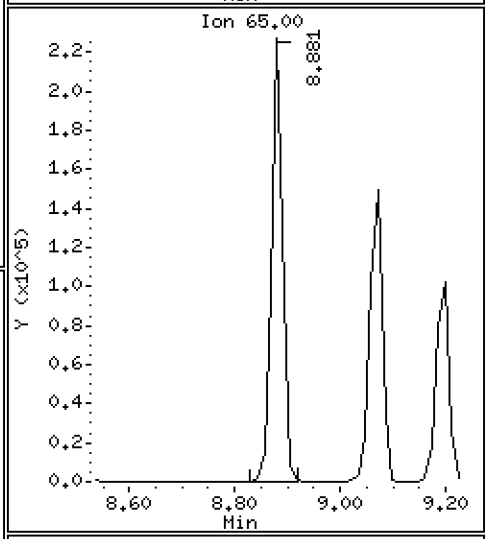


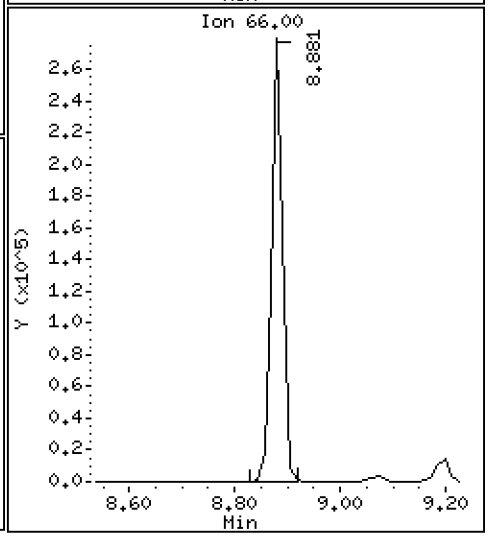












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

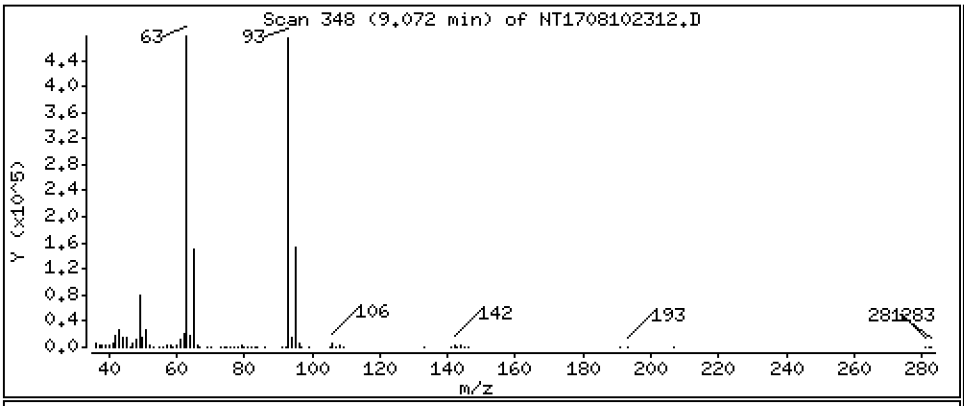
Operator: JGR

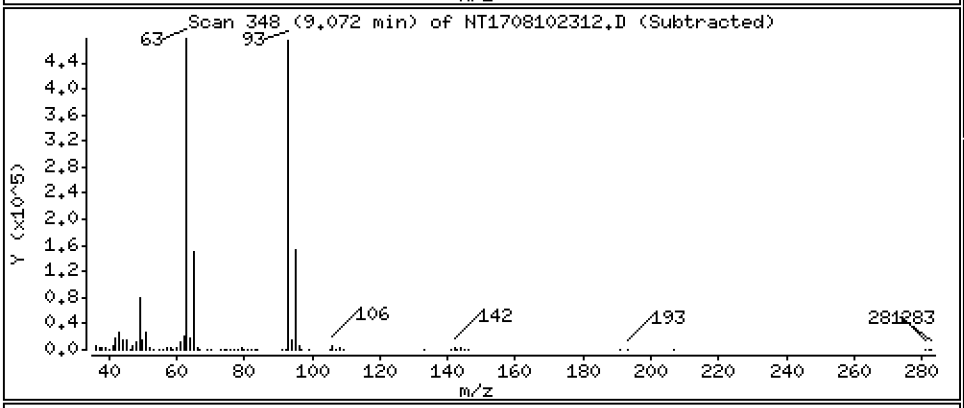
Column phase: ZB-5msi

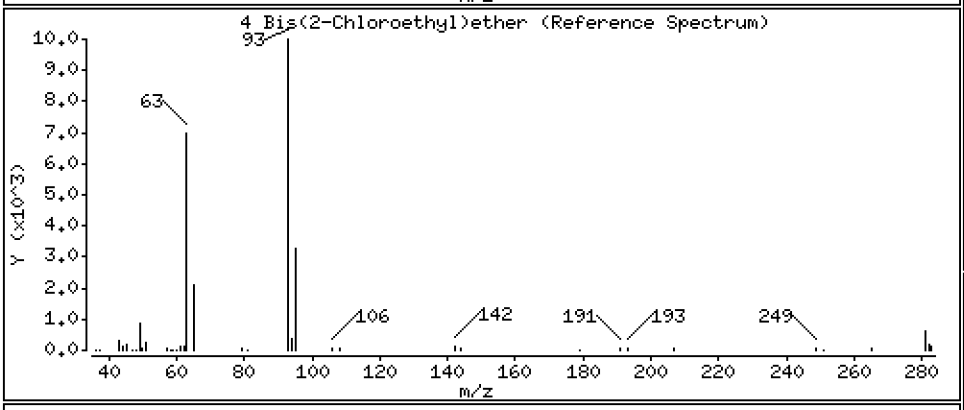
Column diameter: 0.25

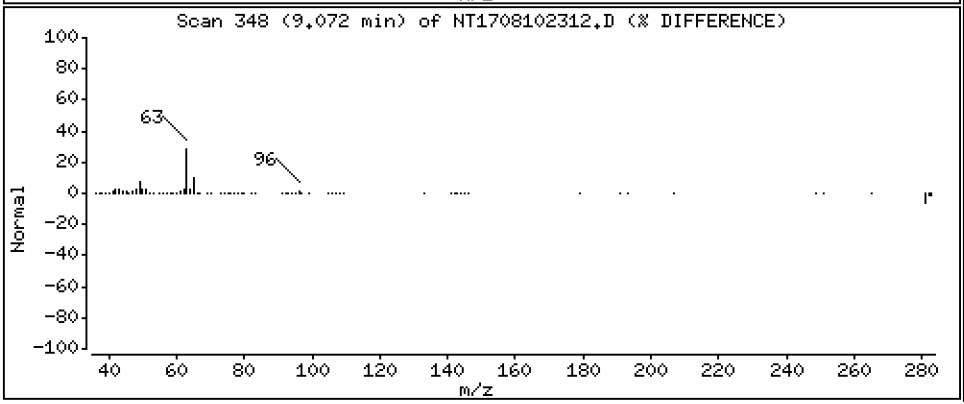
4 Bis(2-Chloroethyl)ether

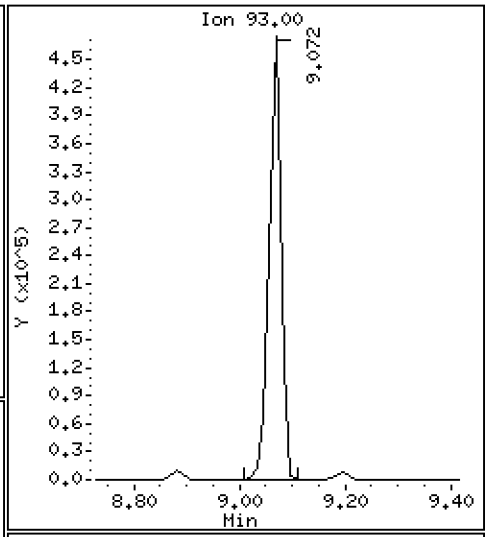
Concentration: 5.807 ug/mL

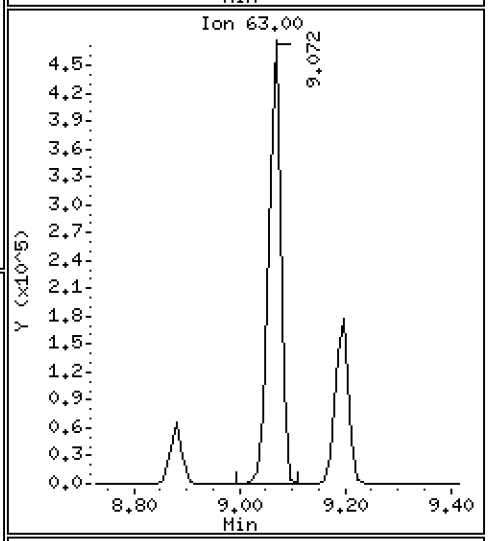


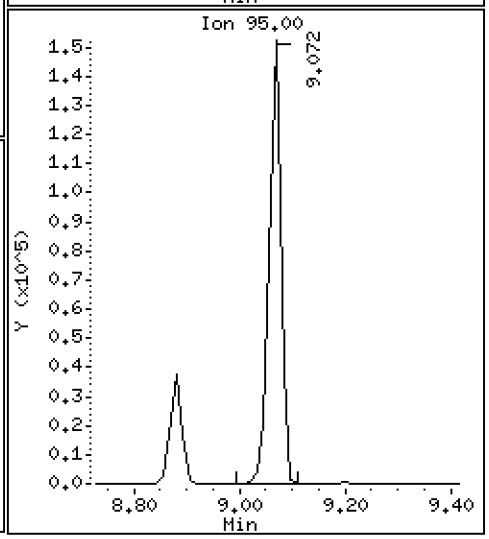












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

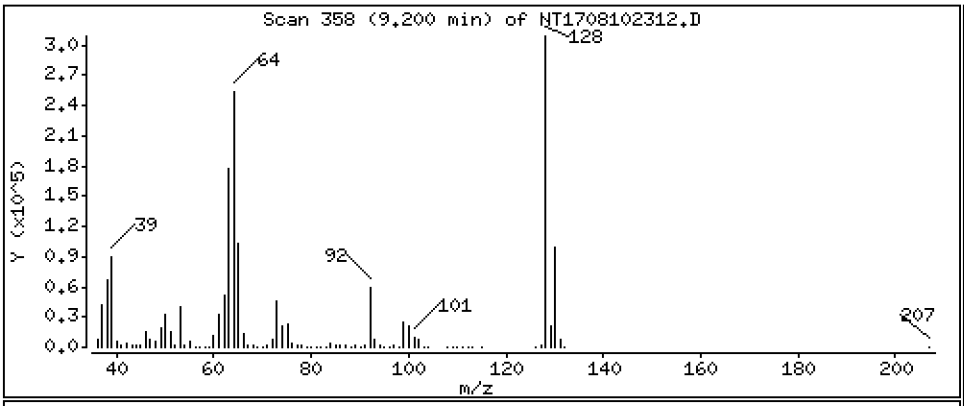
Operator: JGR

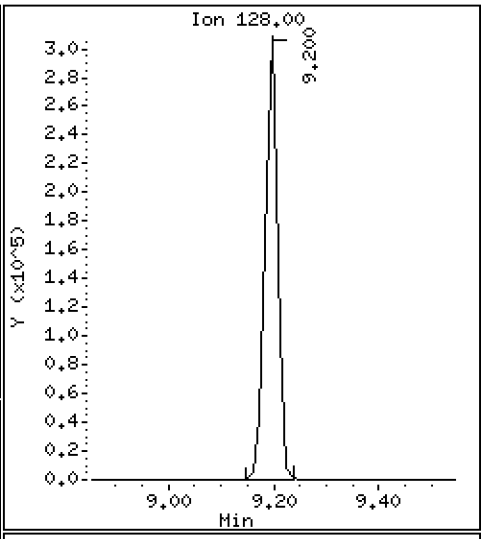
Column phase: ZB-5msi

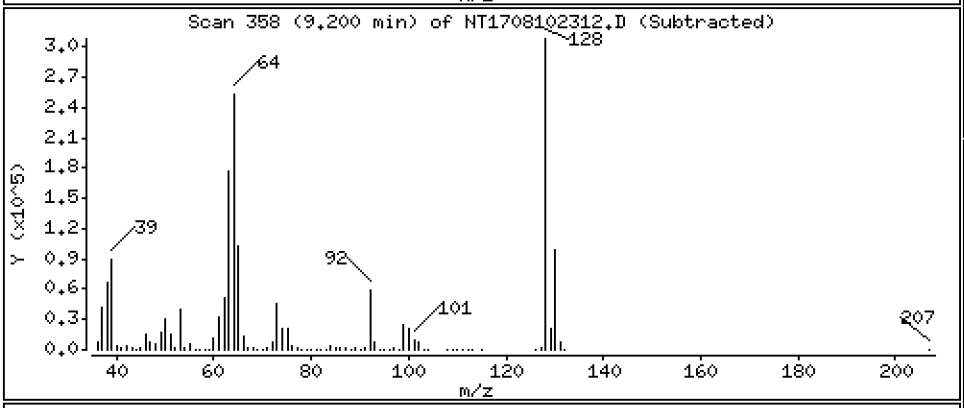
Column diameter: 0.25

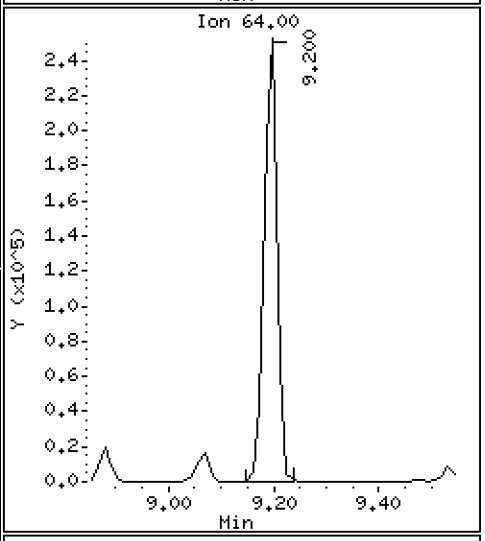
6 2-Chlorophenol

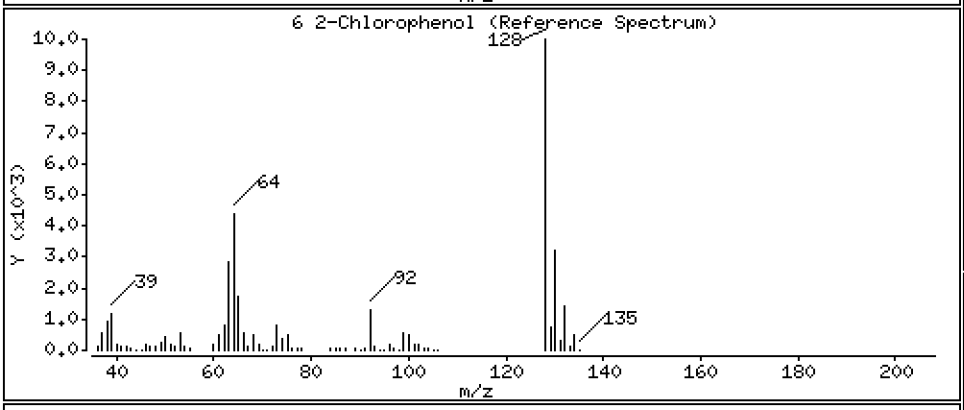
Concentration: 5.349 ug/mL

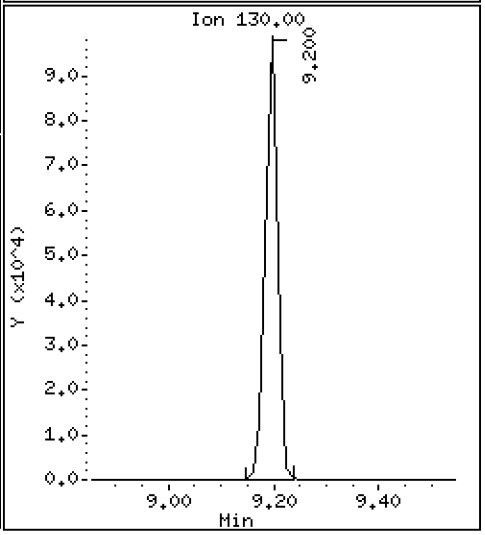


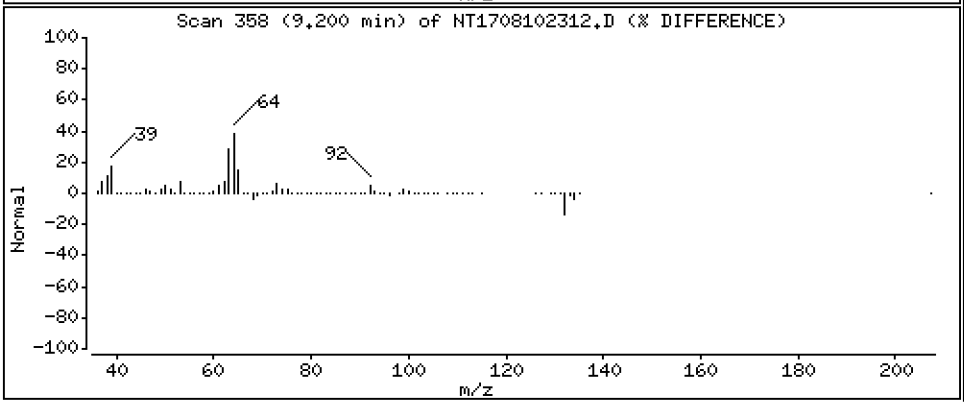












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

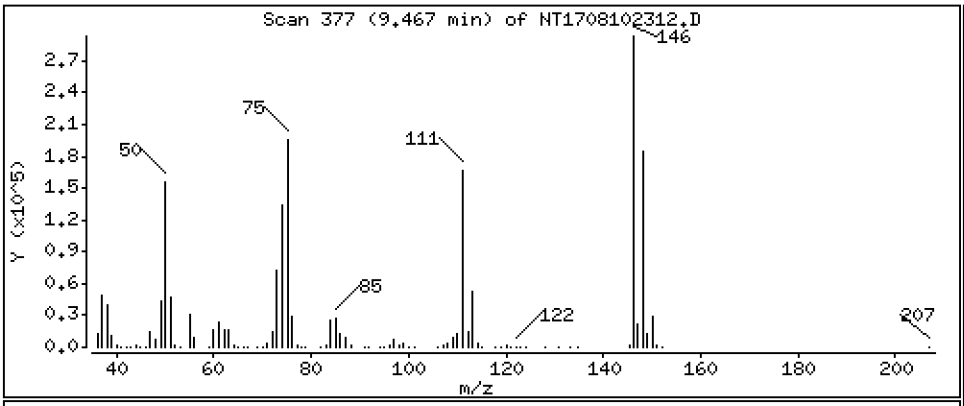
Operator: JGR

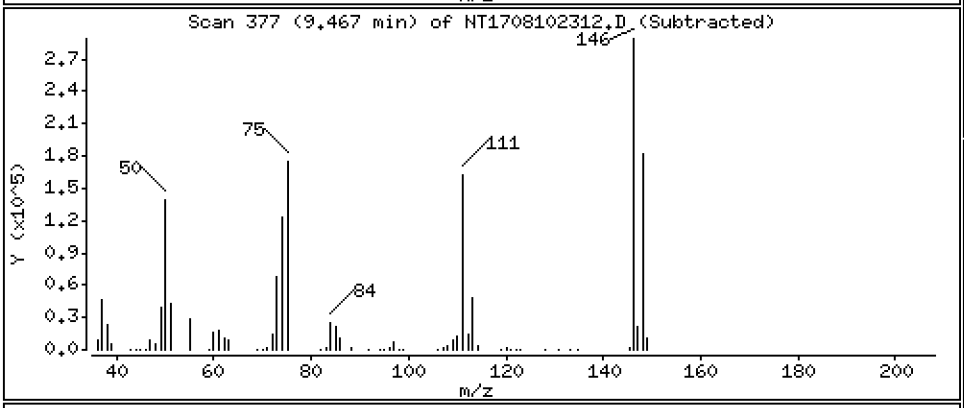
Column phase: ZB-5msi

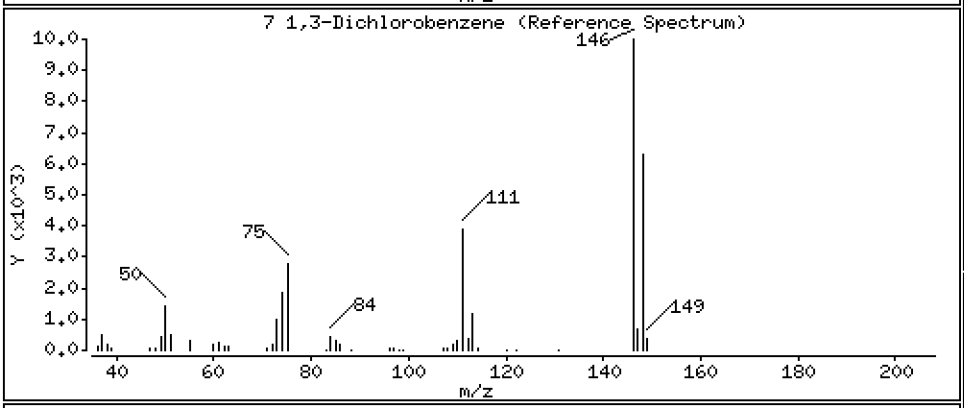
Column diameter: 0.25

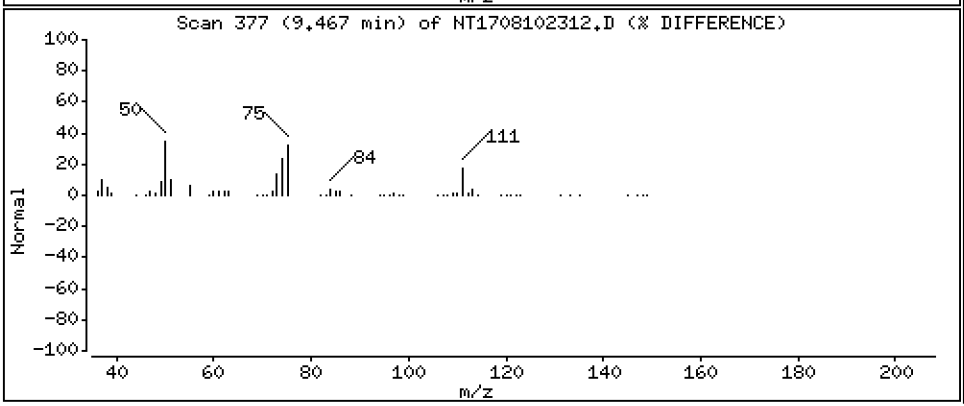
7 1,3-Dichlorobenzene

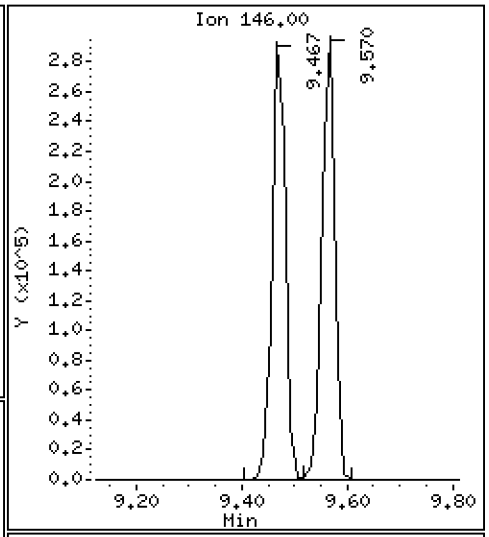
Concentration: 5.185 ug/mL

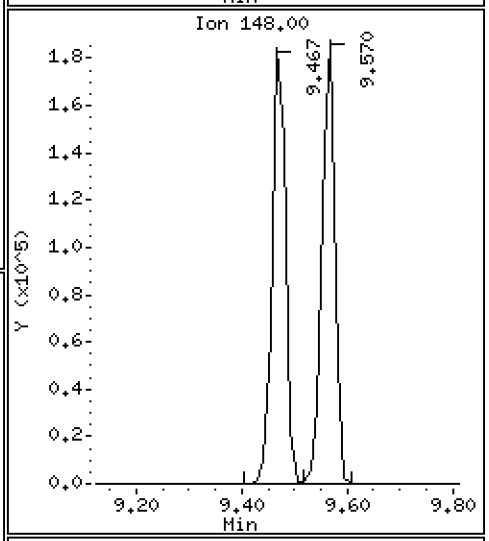


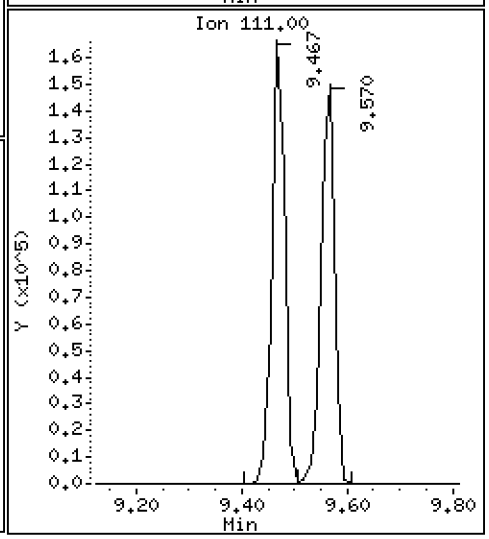












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

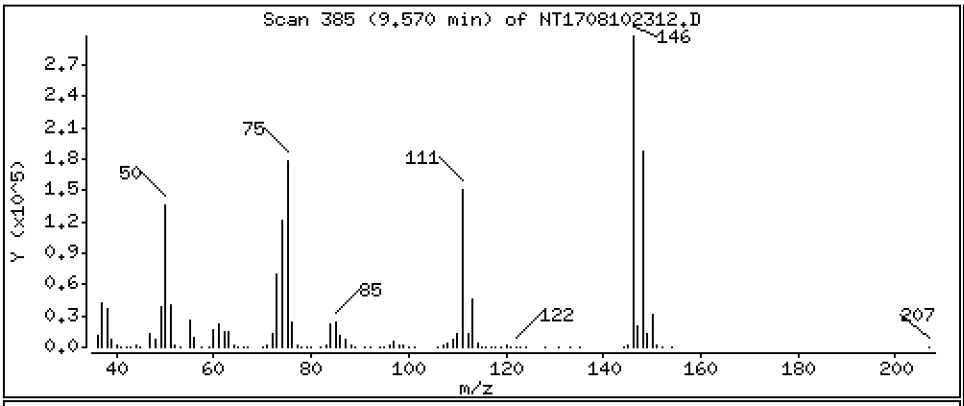
Operator: JGR

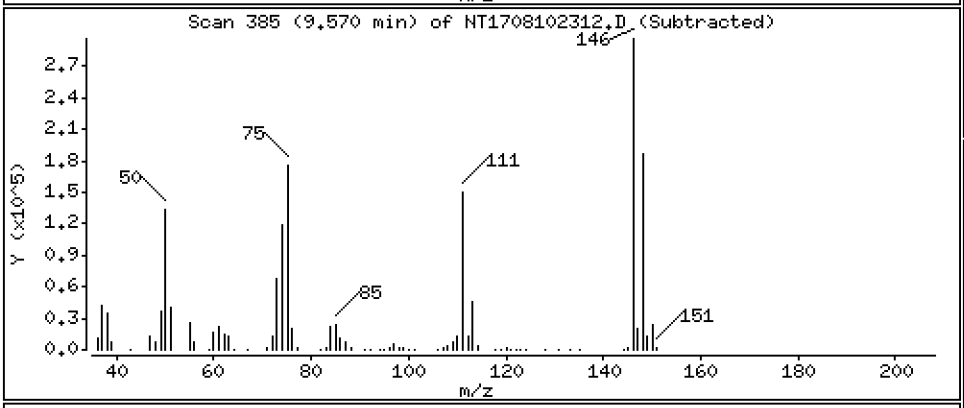
Column phase: ZB-5msi

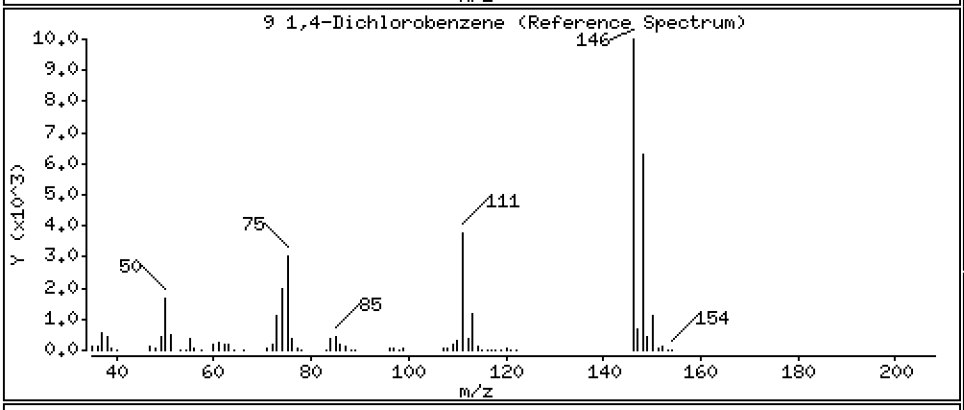
Column diameter: 0.25

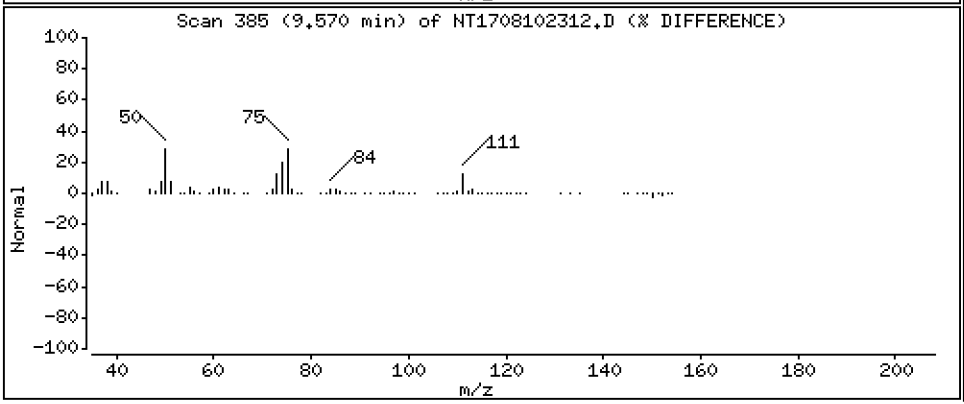
9 1,4-Dichlorobenzene

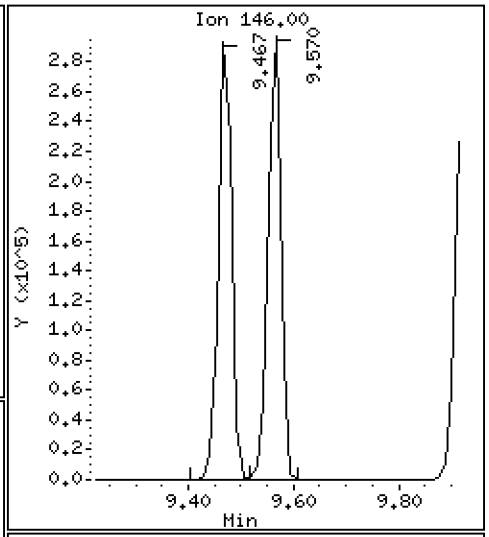
Concentration: 5.266 ug/mL

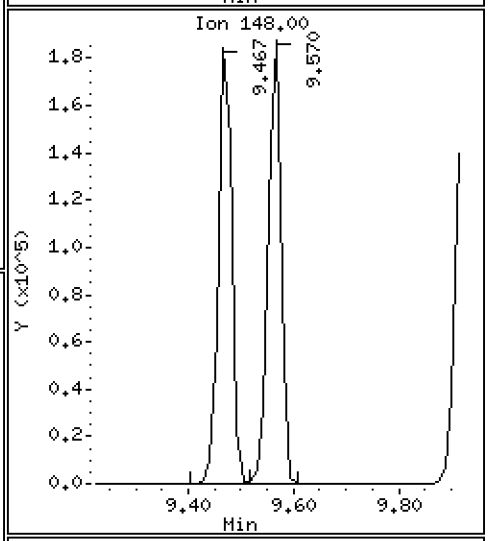


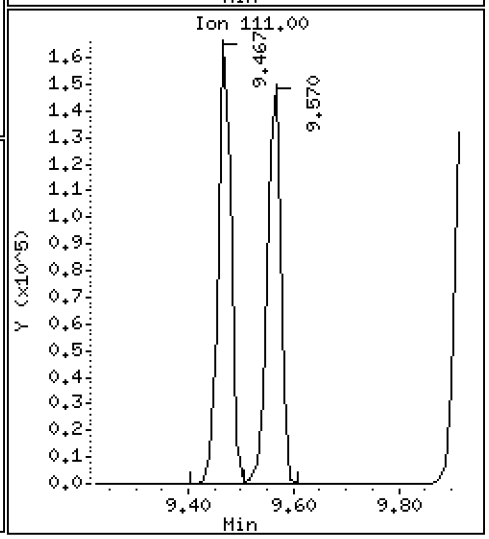












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

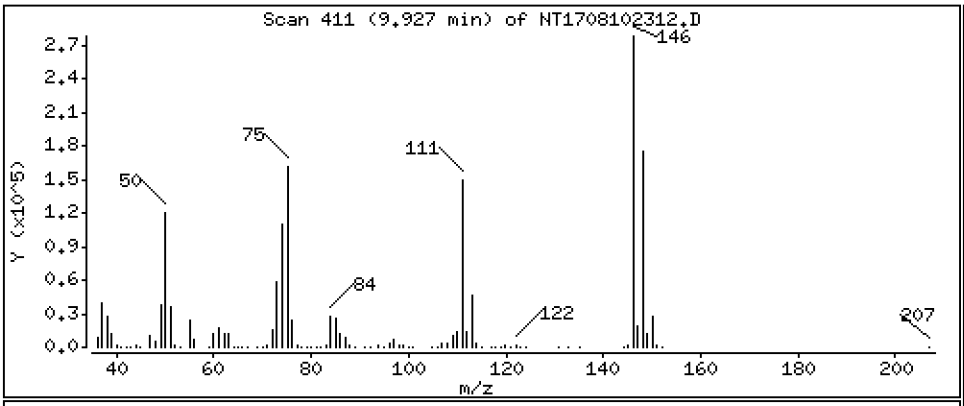
Operator: JGR

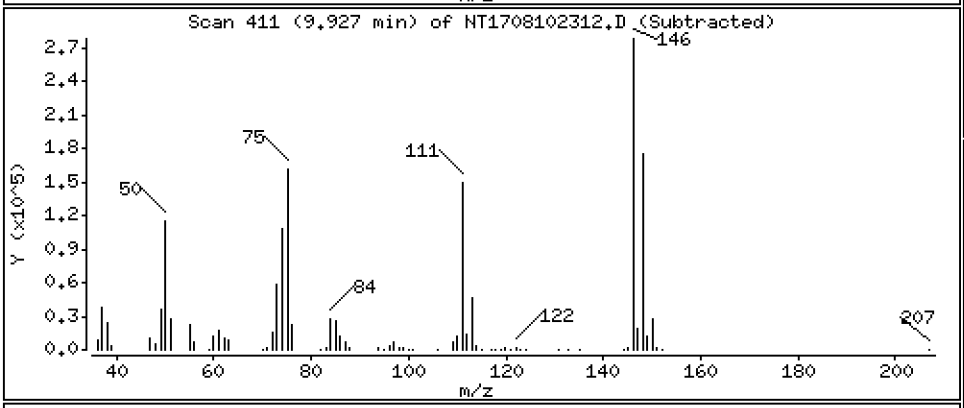
Column phase: ZB-5msi

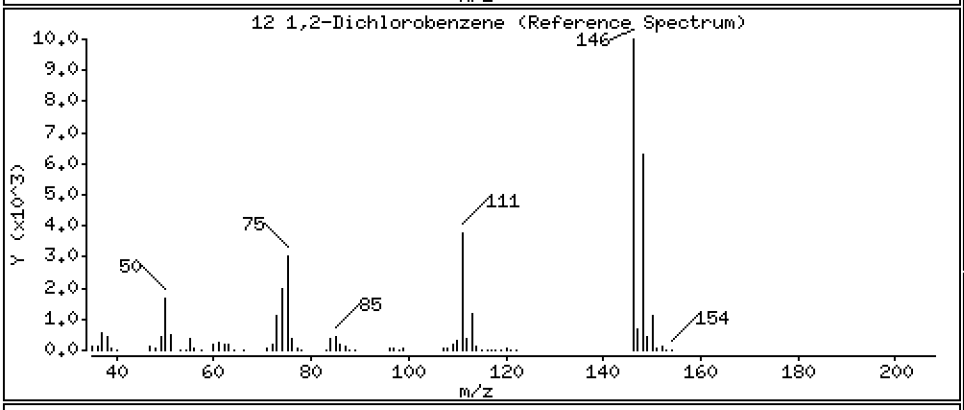
Column diameter: 0.25

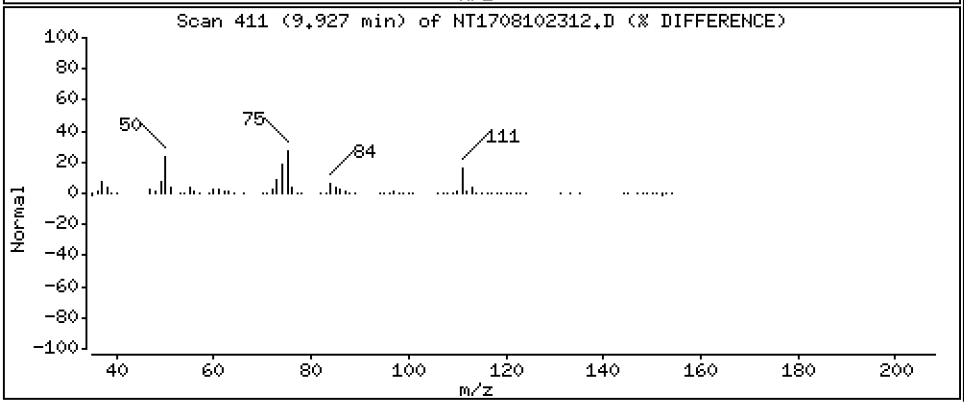
12 1,2-Dichlorobenzene

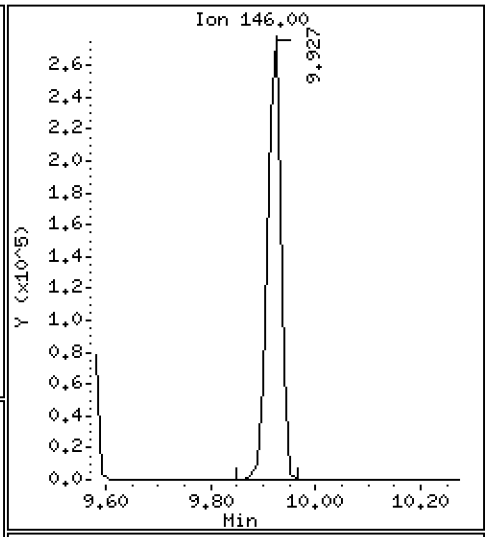
Concentration: 5.228 ug/mL

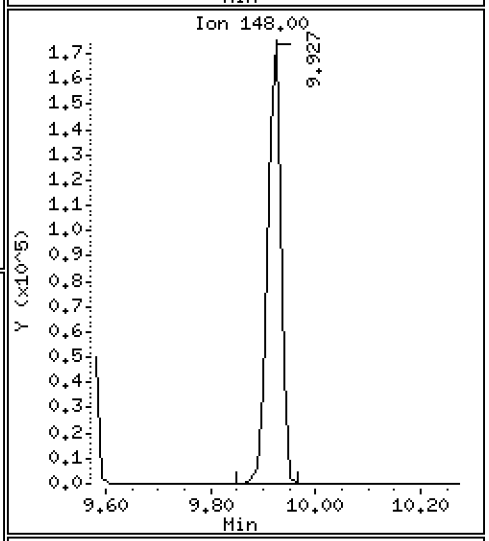


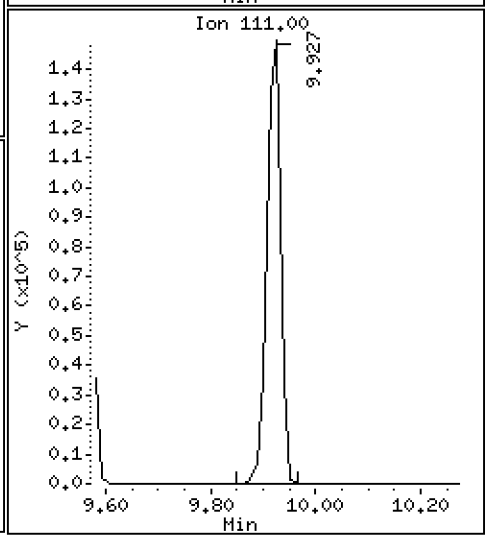












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

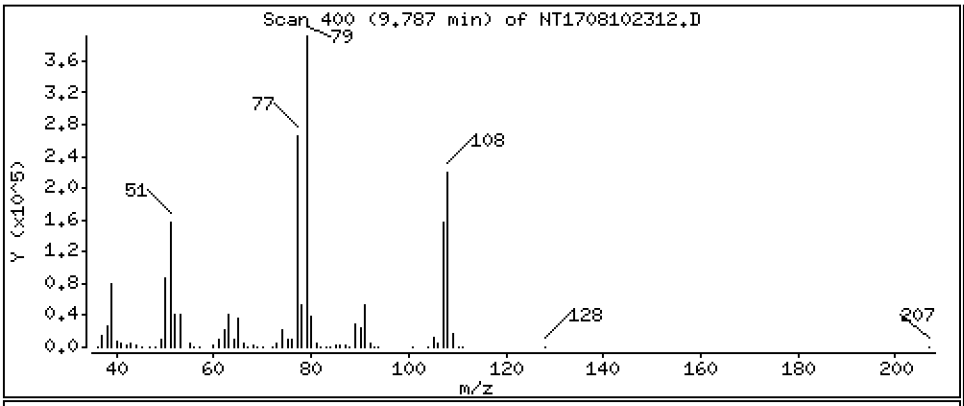
Operator: JGR

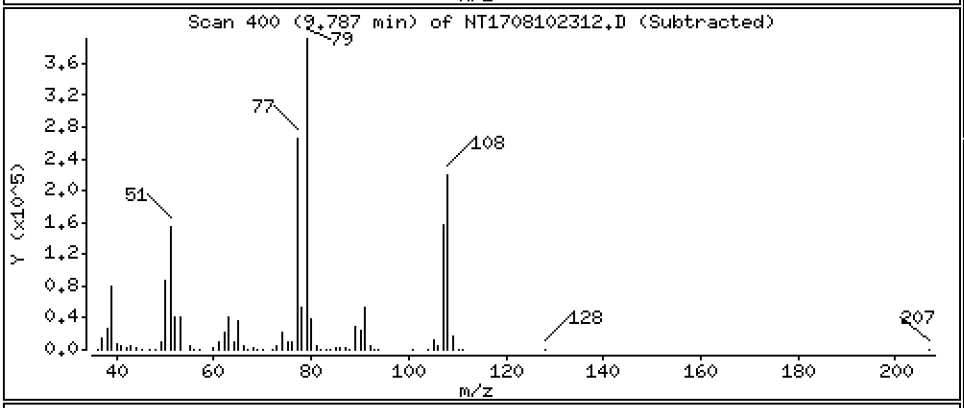
Column phase: ZB-5msi

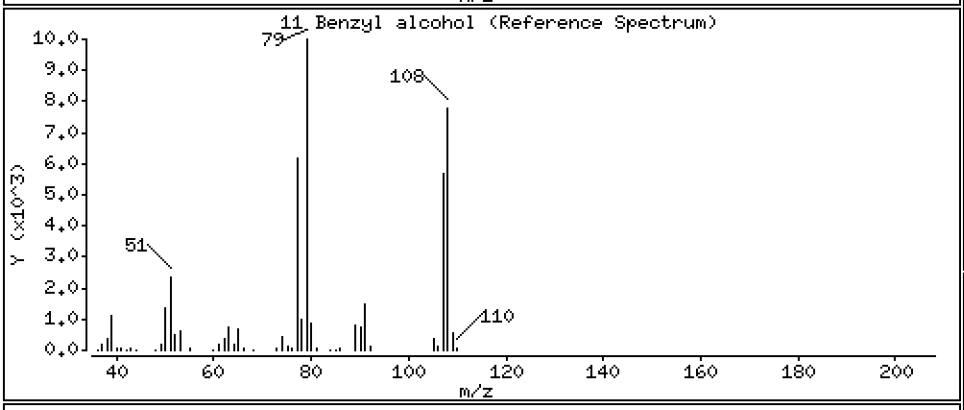
Column diameter: 0.25

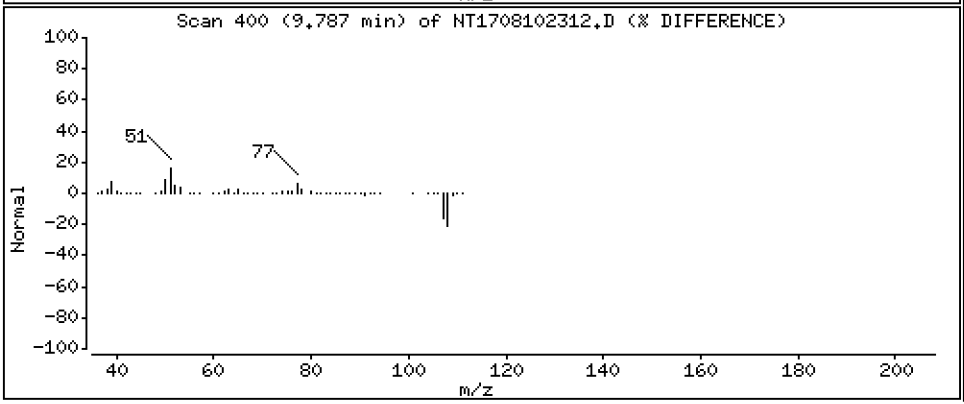
11 Benzyl alcohol

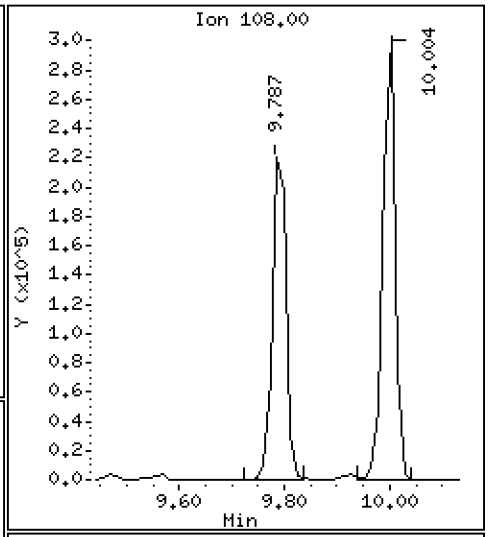
Concentration: 5.672 ug/mL

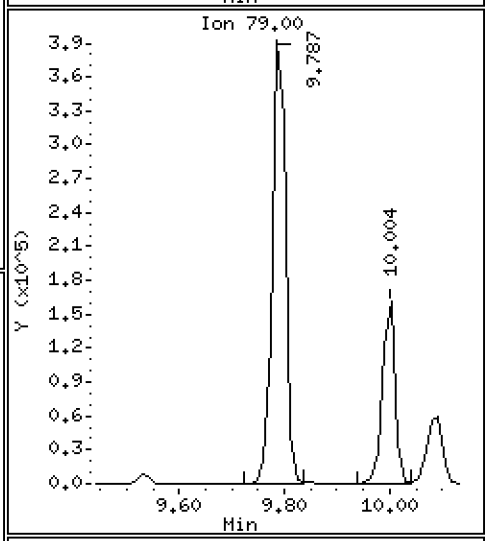


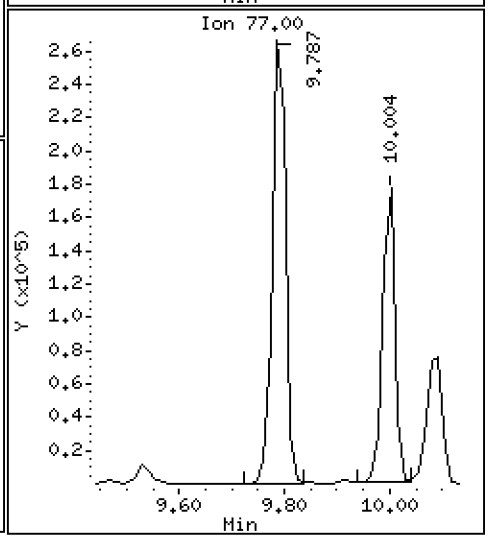












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

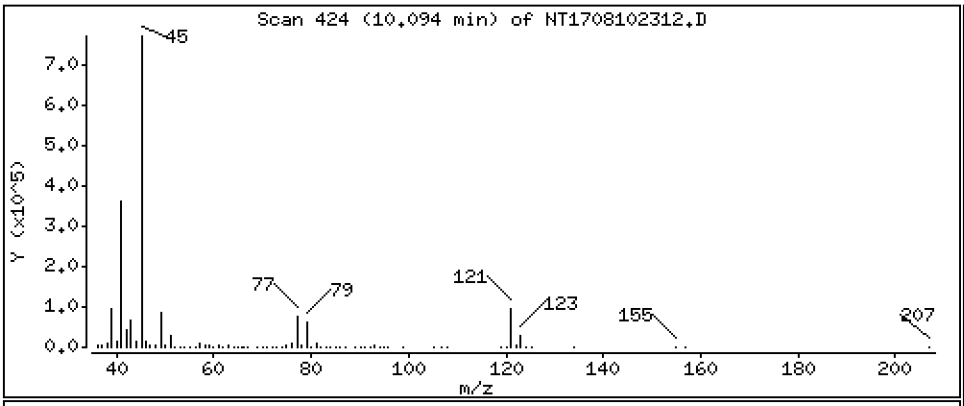
Operator: JGR

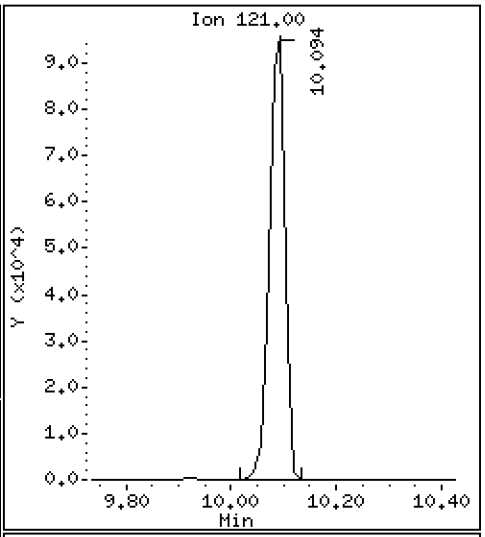
Column phase: ZB-5msi

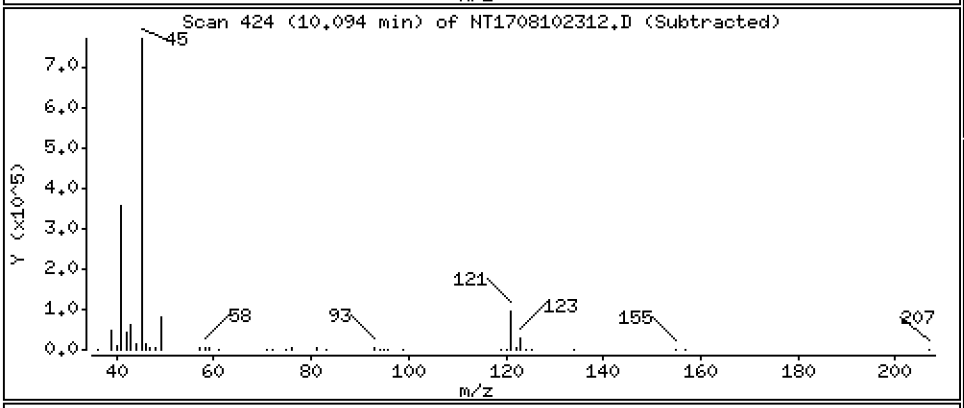
Column diameter: 0.25

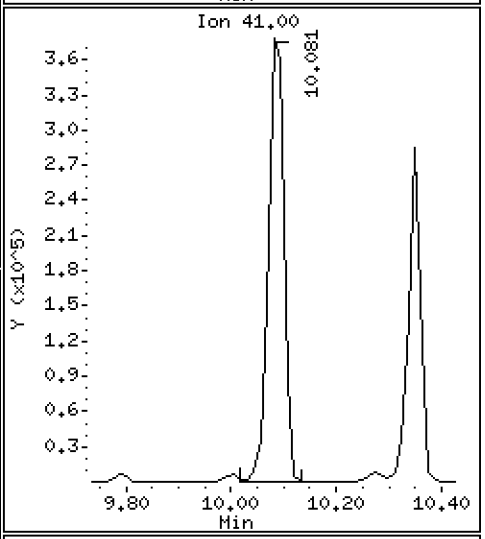
14 2,2'-oxybis(1-Chloropropane)

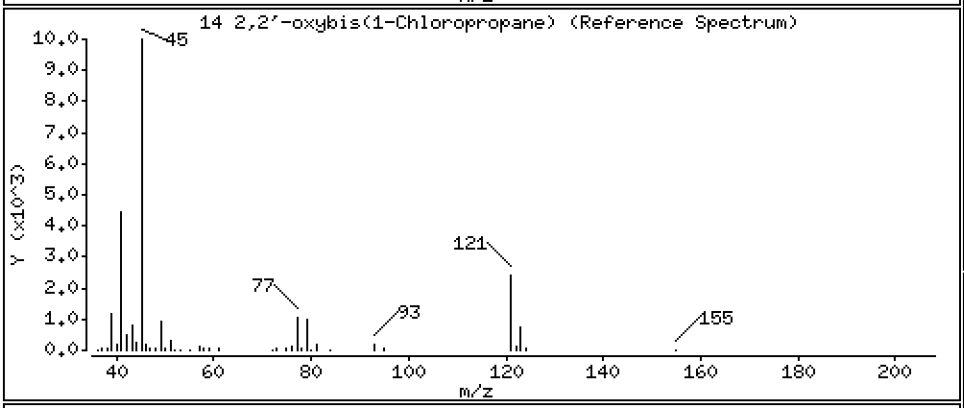
Concentration: 6.241 ug/mL

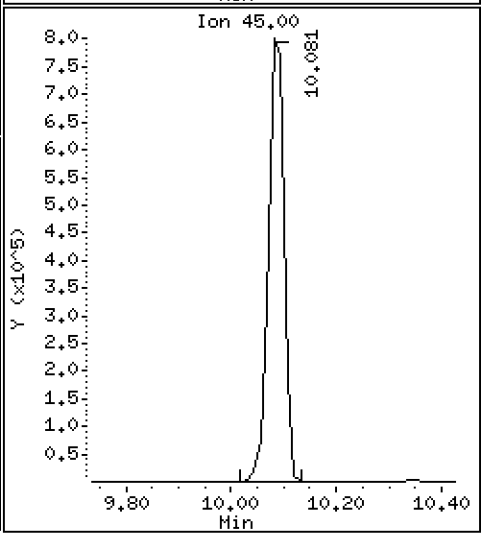


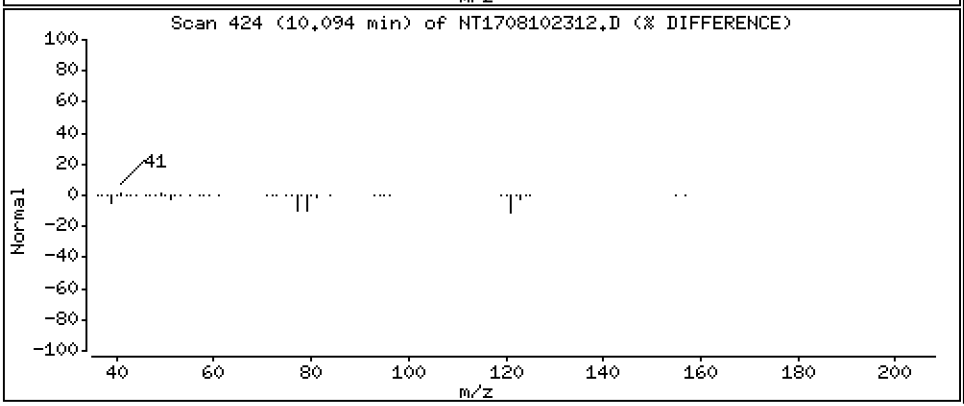












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

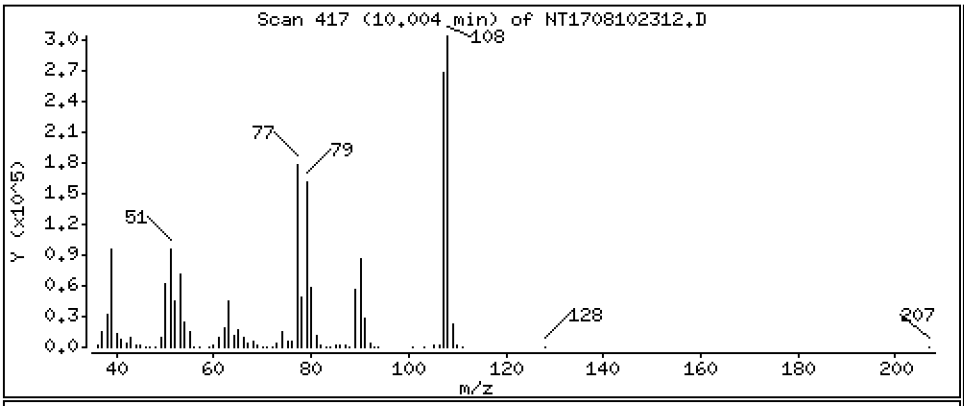
Operator: JGR

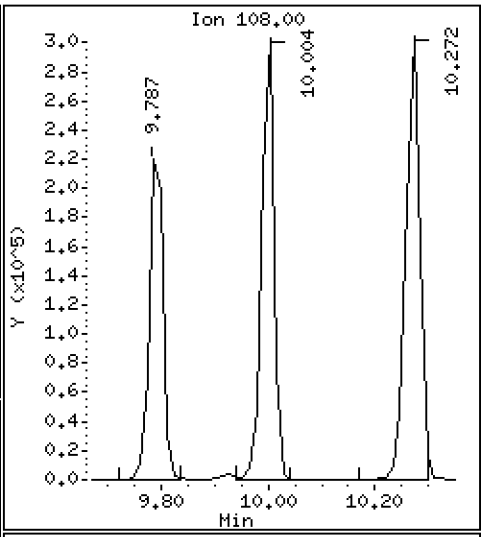
Column phase: ZB-5msi

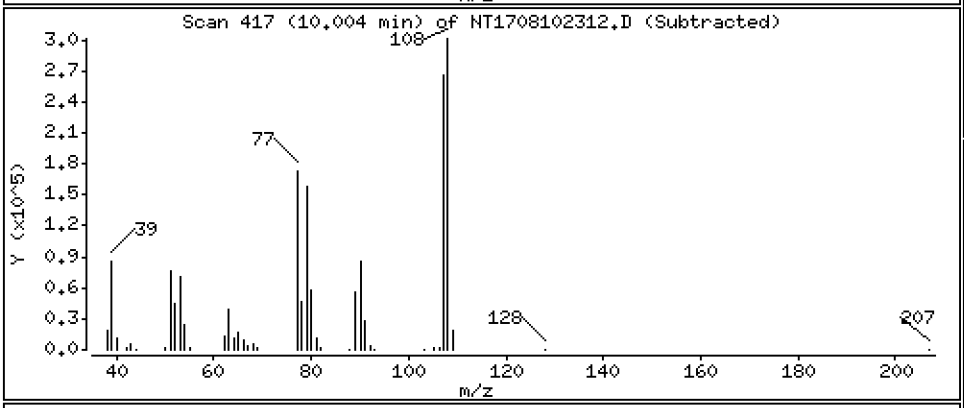
Column diameter: 0.25

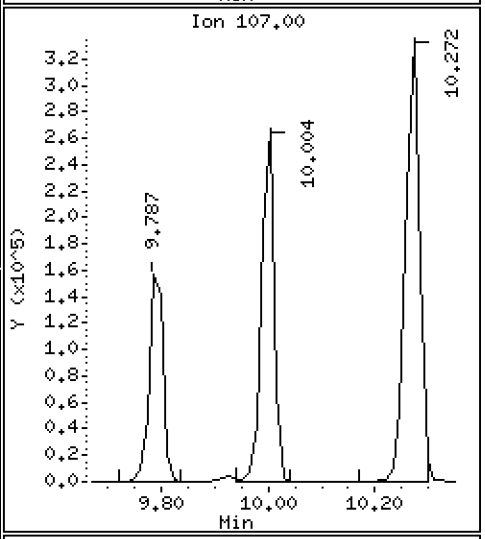
13 2-Methylphenol

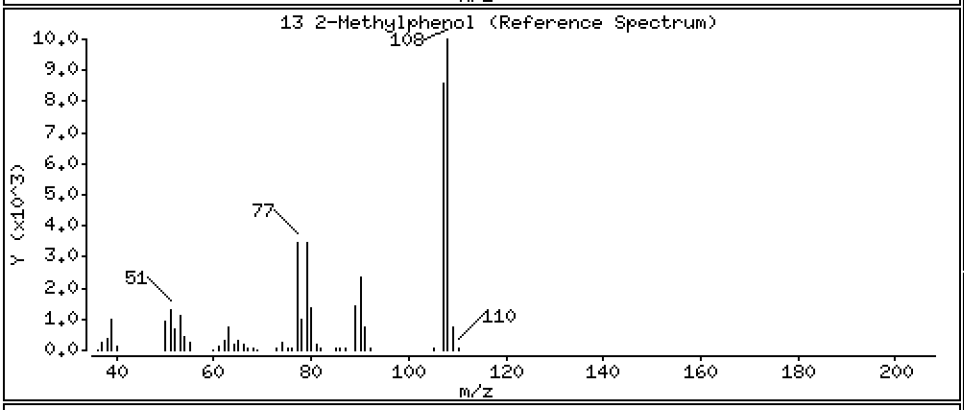
Concentration: 4.793 ug/mL

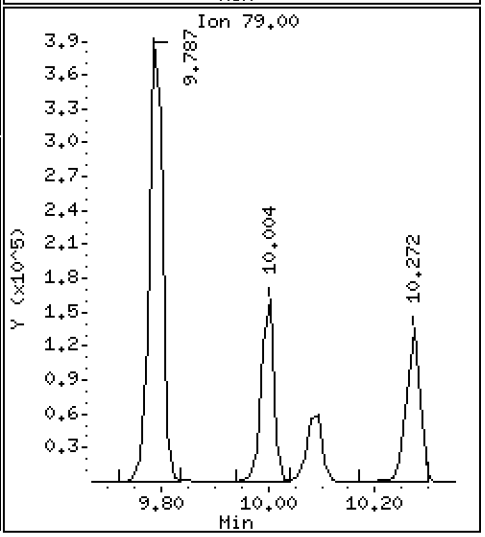


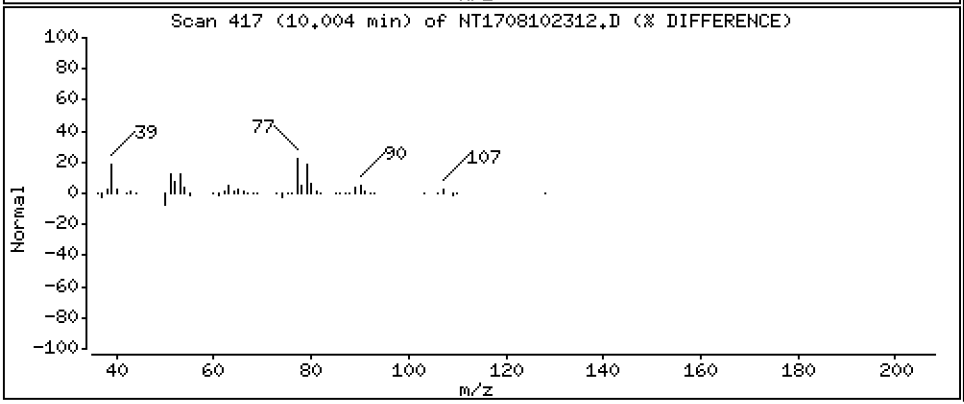












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

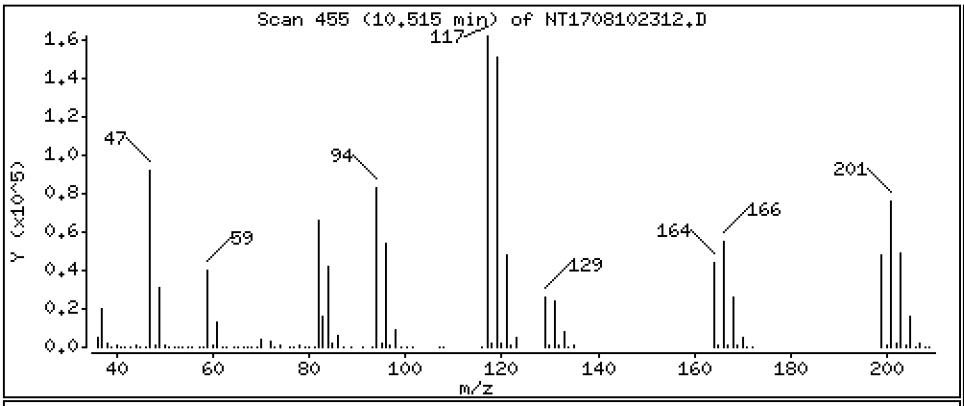
Operator: JGR

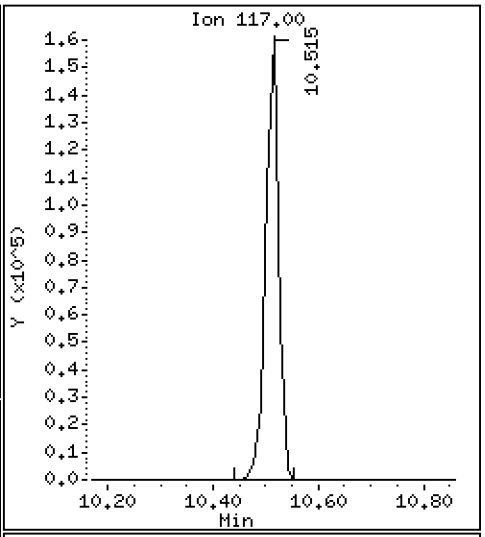
Column phase: ZB-5msi

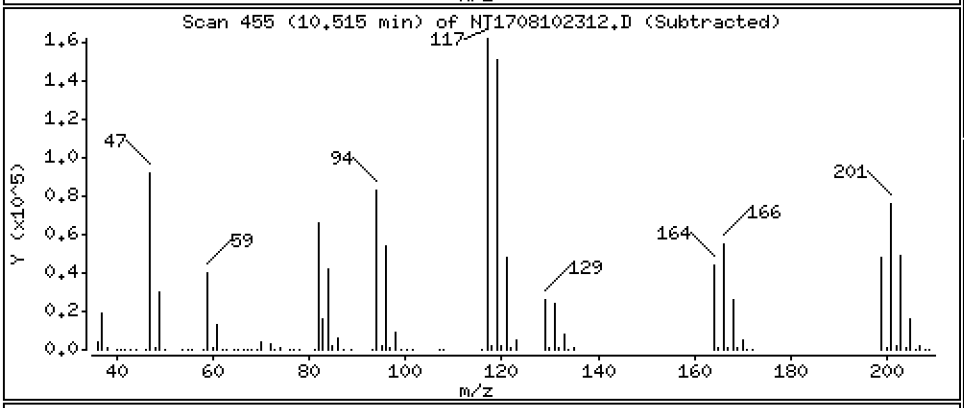
Column diameter: 0.25

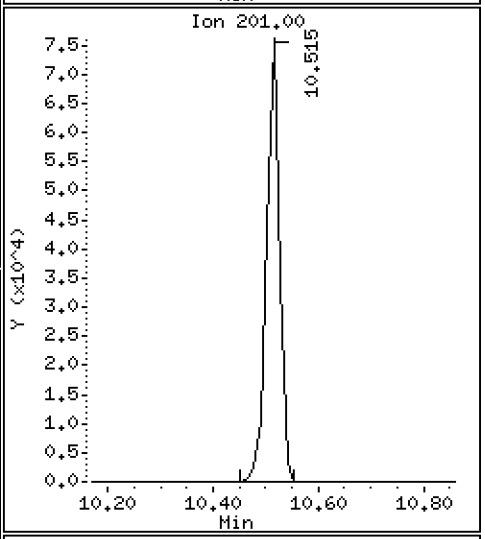
17 Hexachloroethane

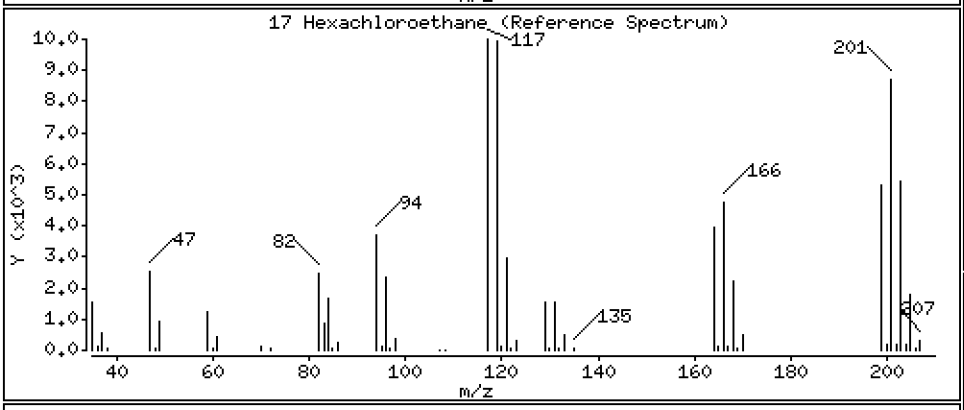
Concentration: 5.526 ug/mL

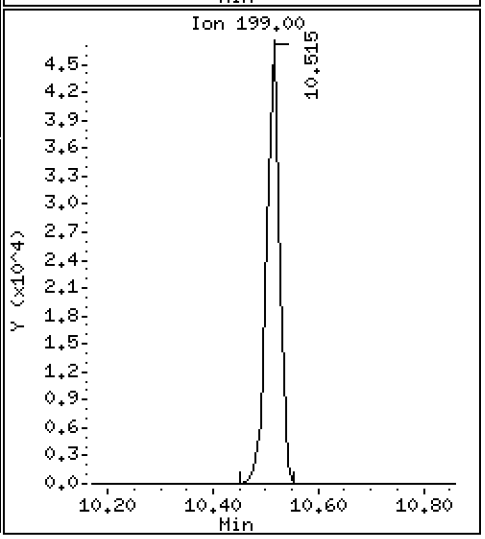


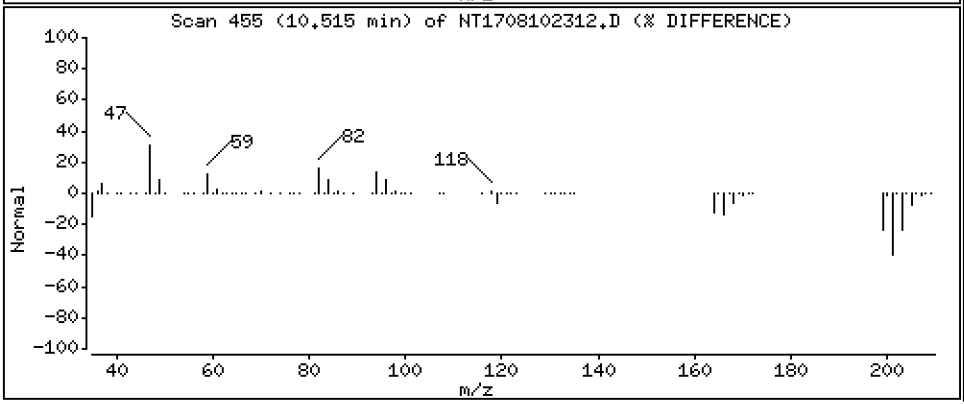












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

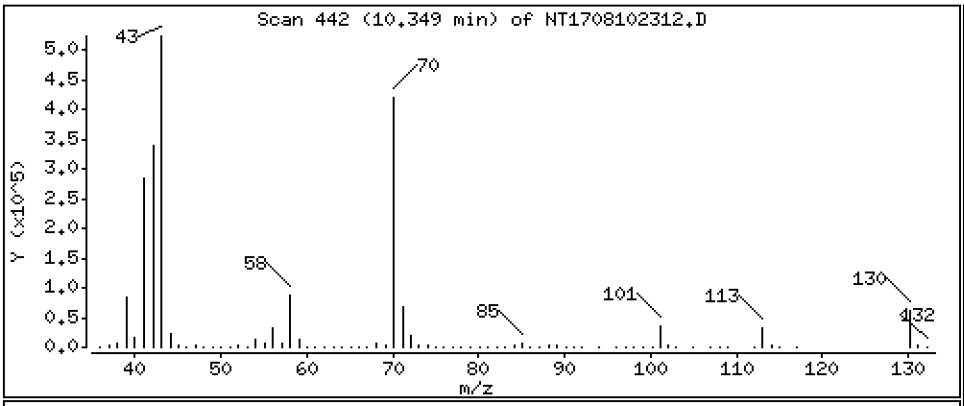
Operator: JGR

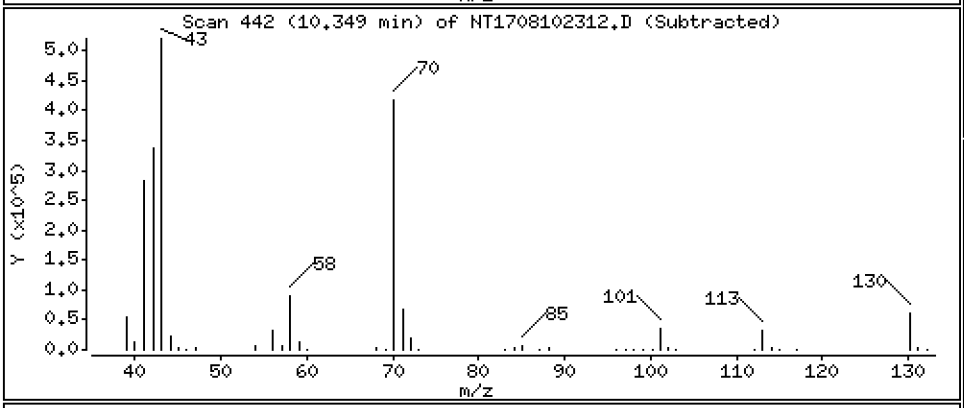
Column phase: ZB-5msi

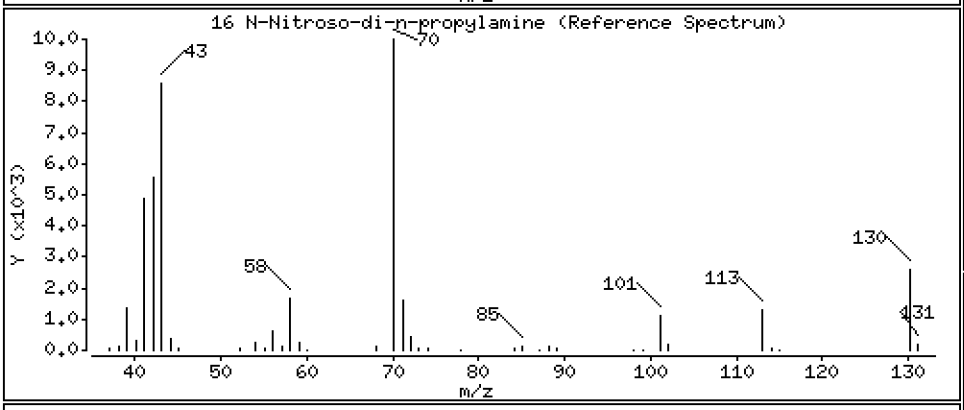
Column diameter: 0.25

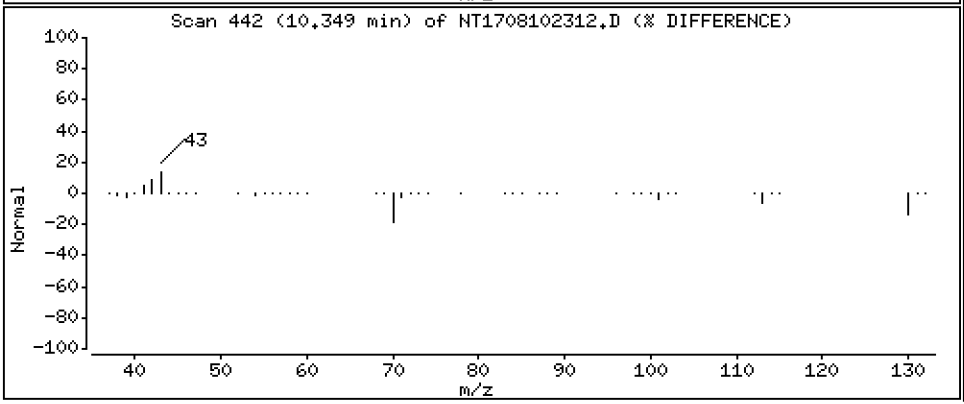
16 N-Nitroso-di-n-propylamine

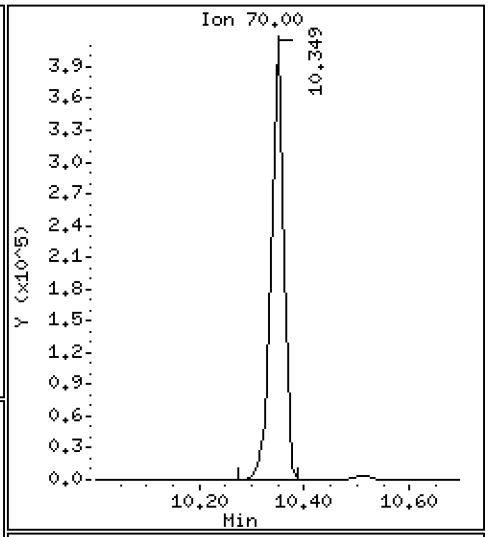
Concentration: 5.812 ug/mL

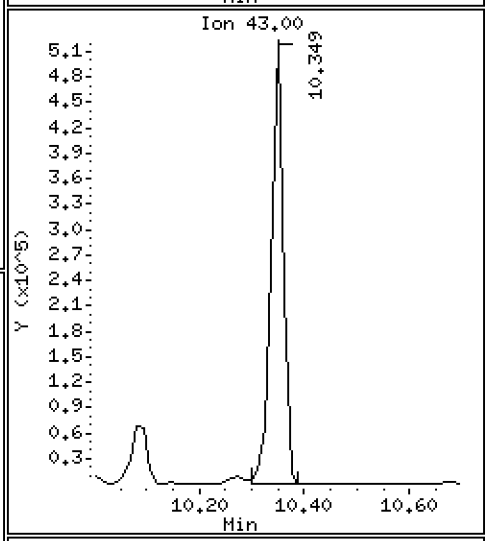


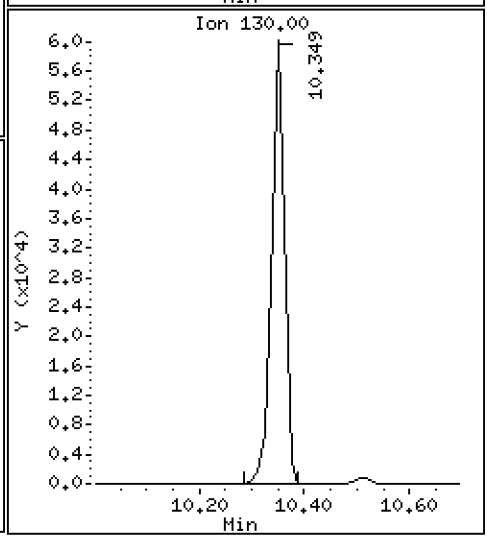












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

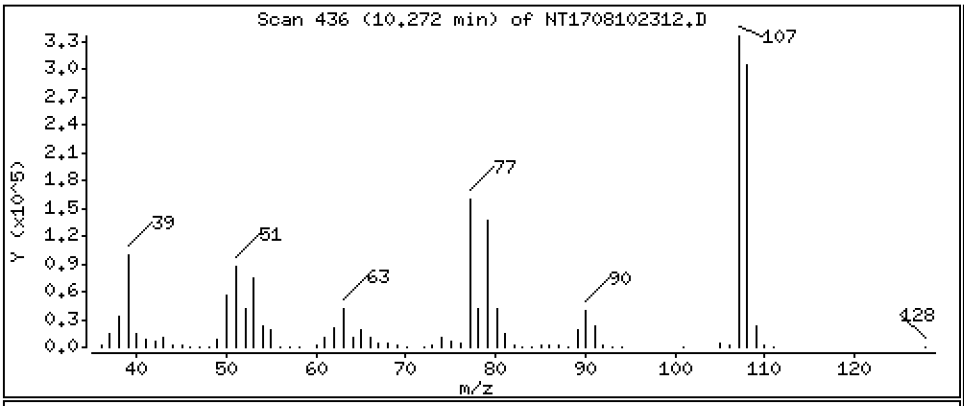
Operator: JGR

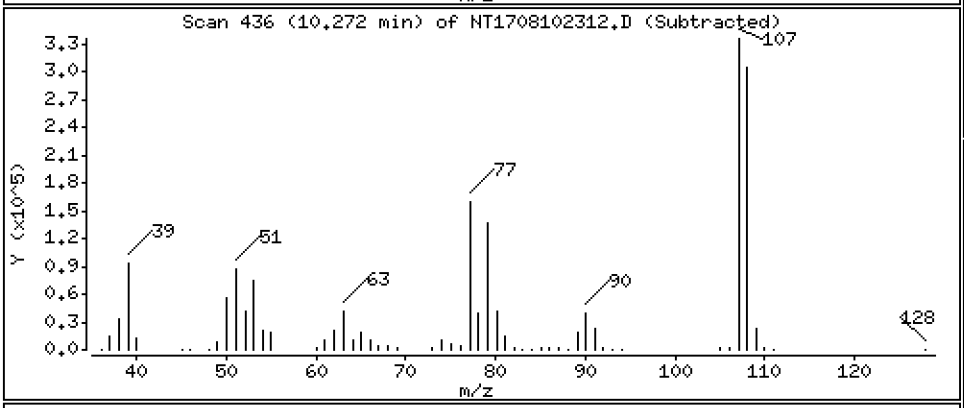
Column phase: ZB-5msi

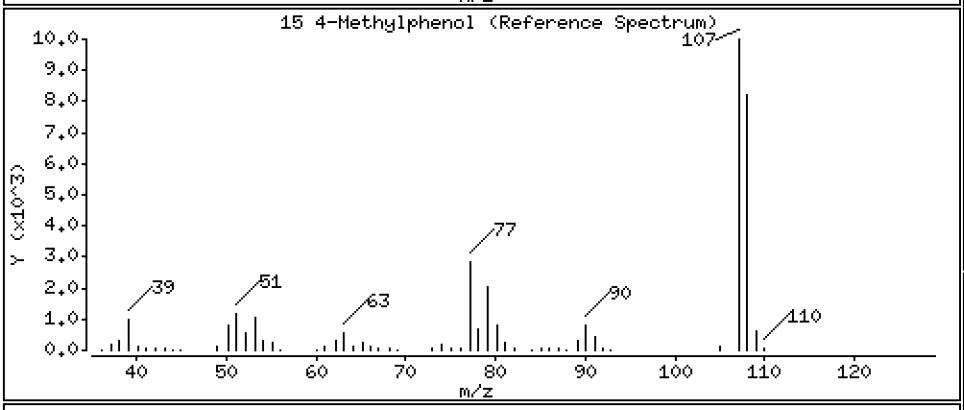
Column diameter: 0.25

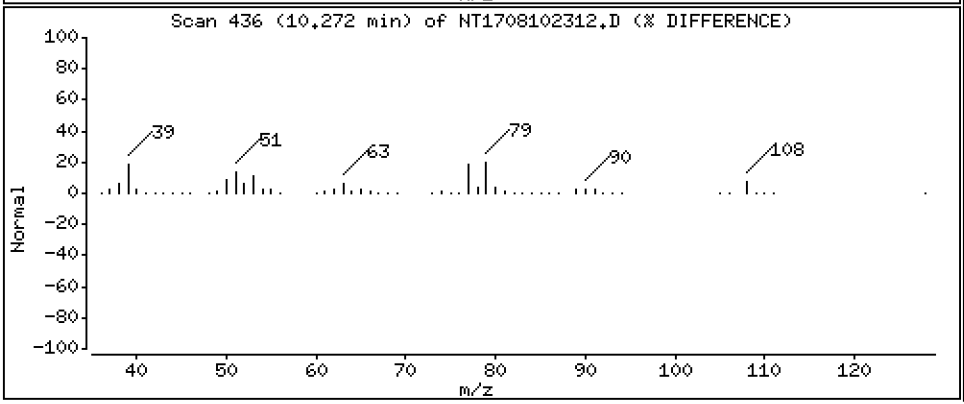
15 4-Methylphenol

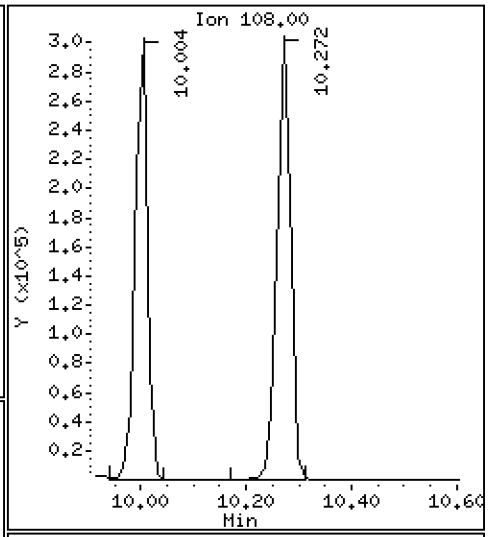
Concentration: 4.638 ug/mL

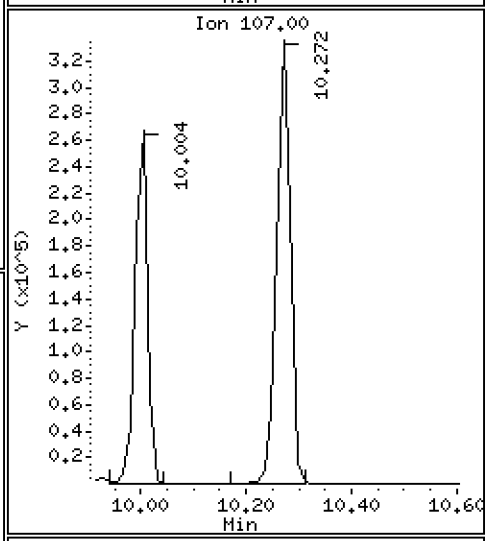


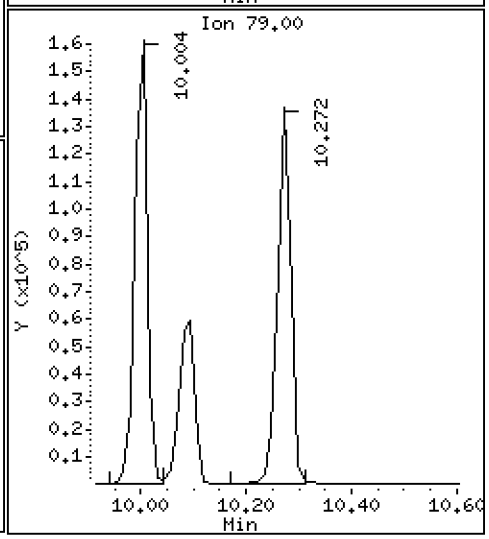












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

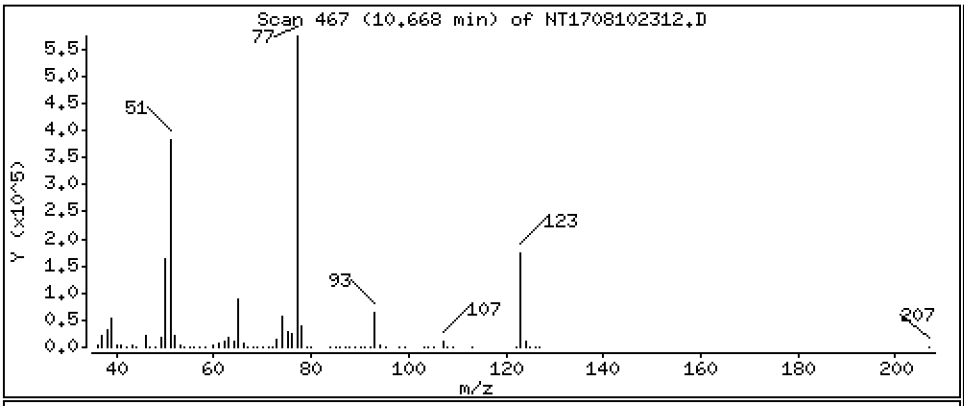
Operator: JGR

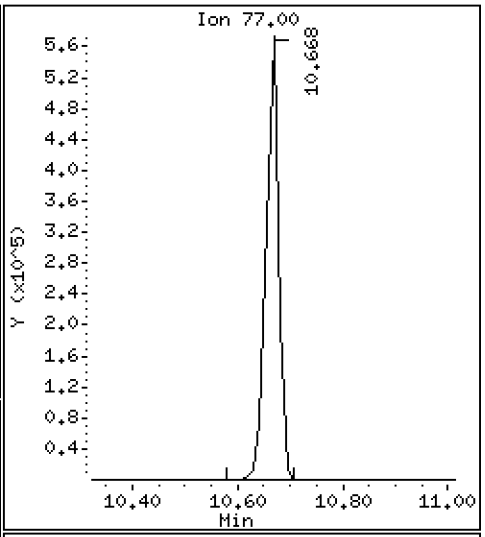
Column phase: ZB-5msi

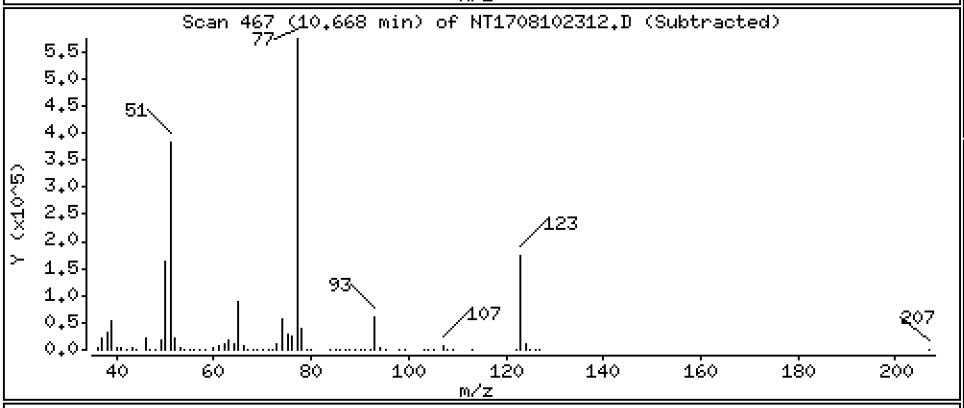
Column diameter: 0.25

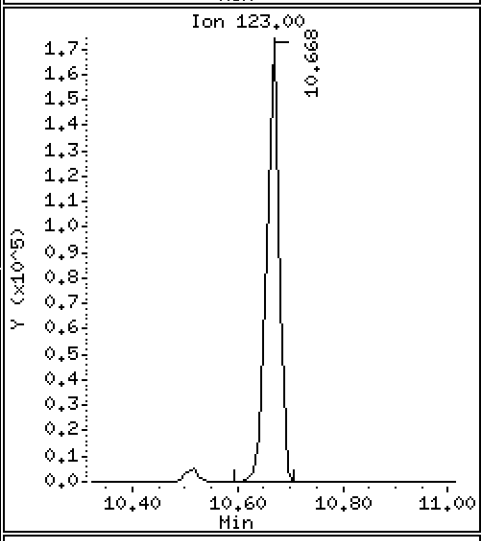
19 Nitrobenzene

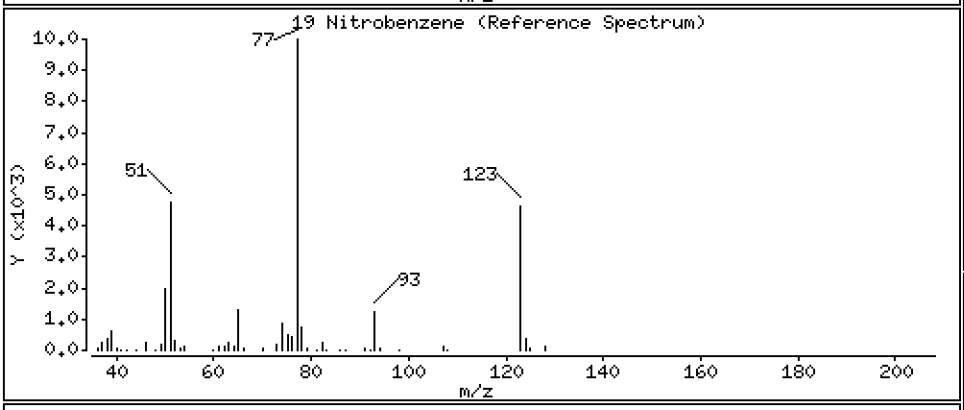
Concentration: 5.529 ug/mL

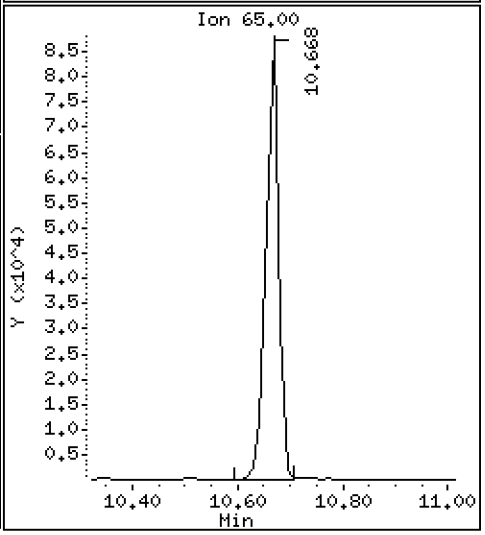


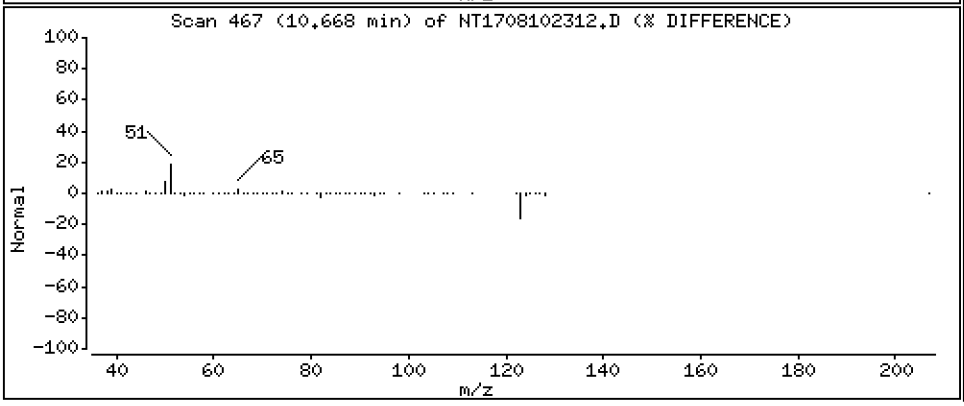












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

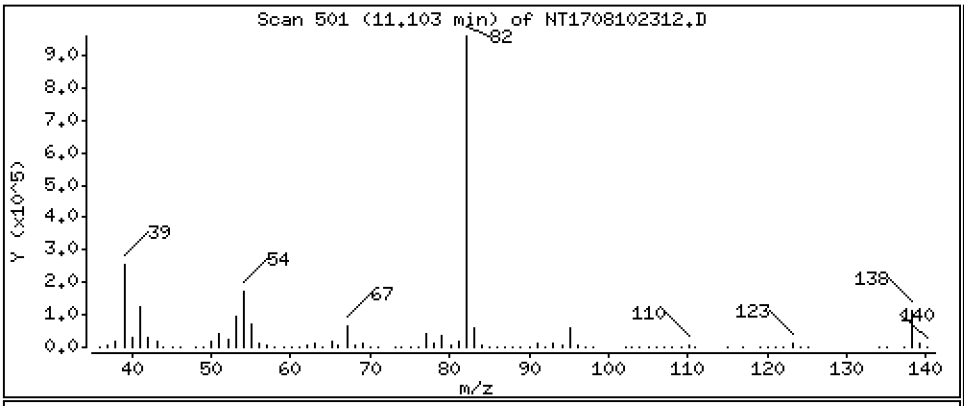
Operator: JGR

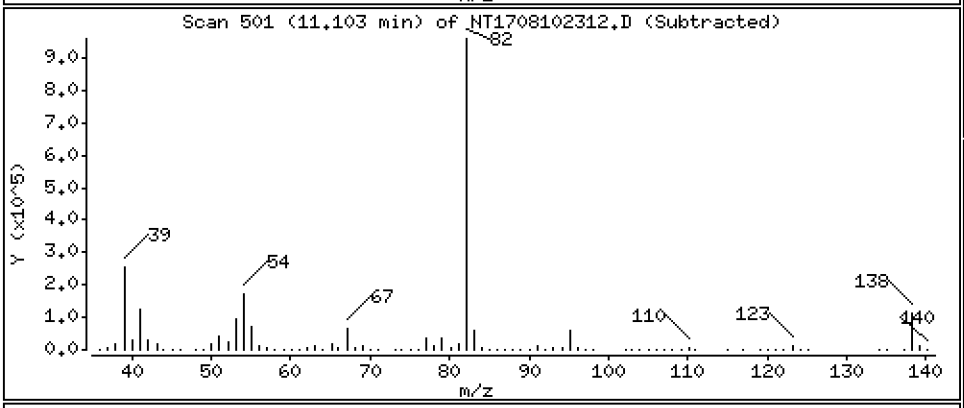
Column phase: ZB-5msi

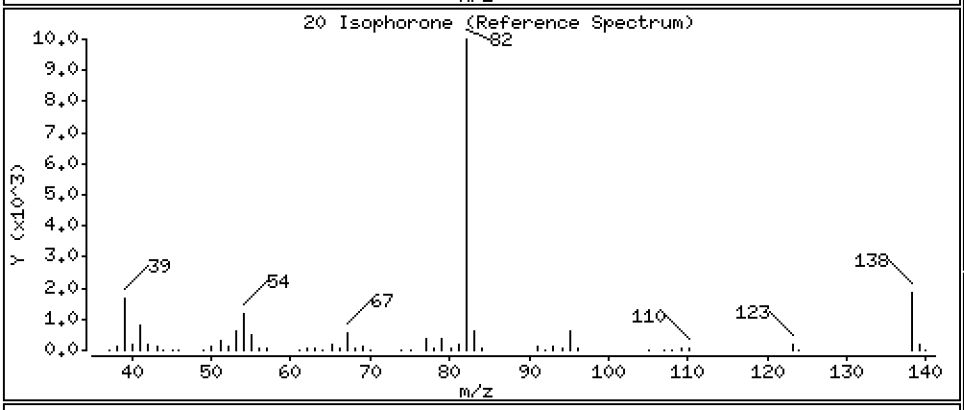
Column diameter: 0.25

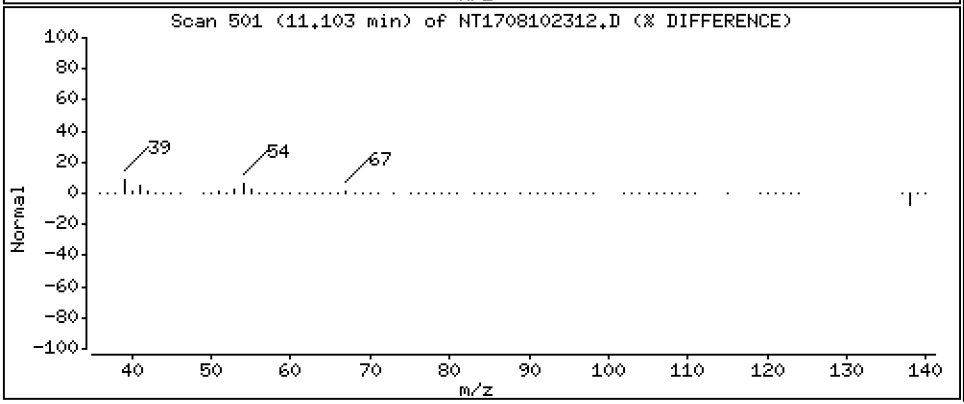
20 Isophorone

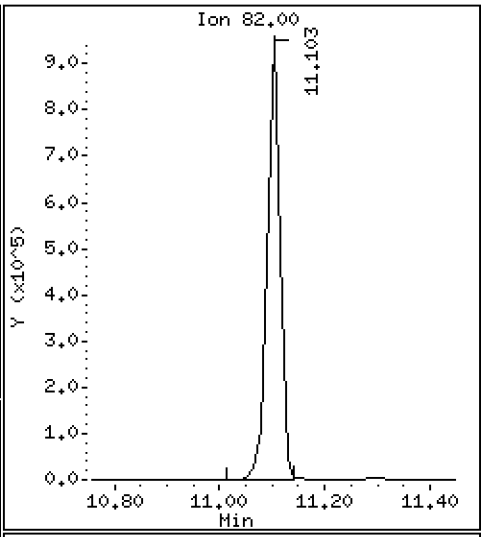
Concentration: 6.314 ug/mL

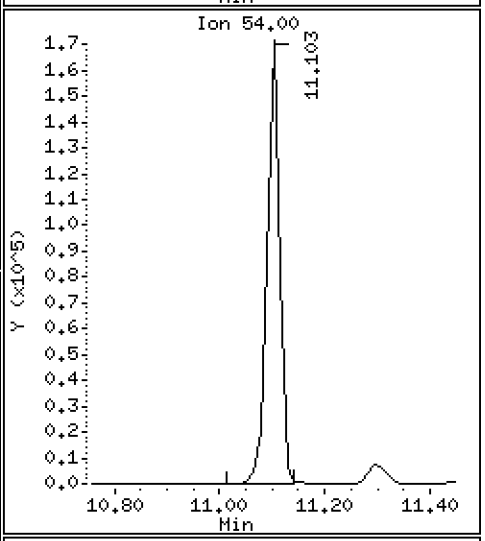


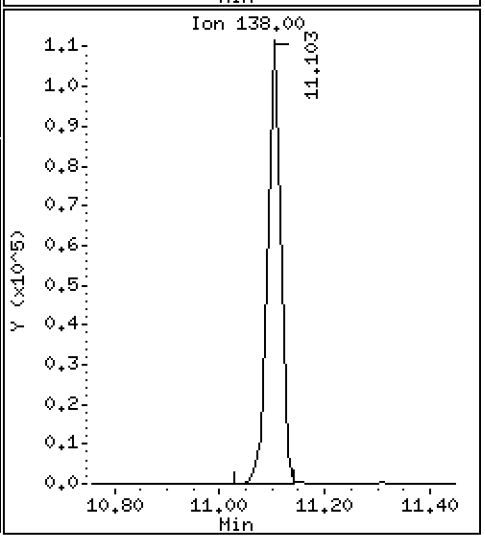












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

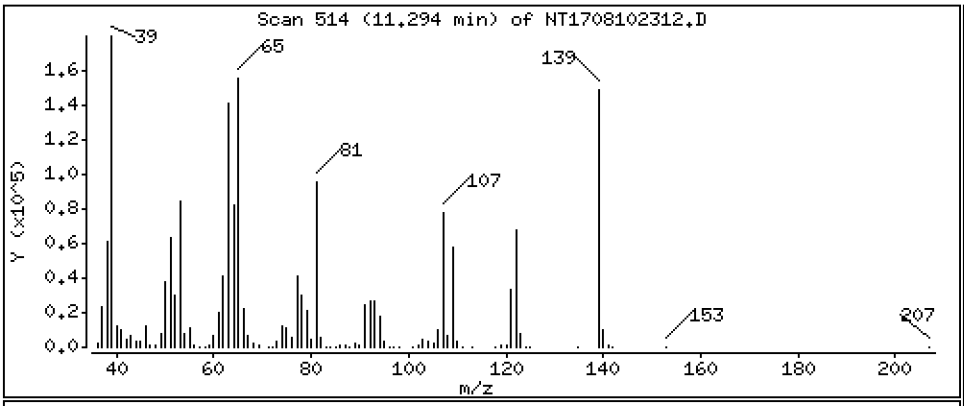
Operator: JGR

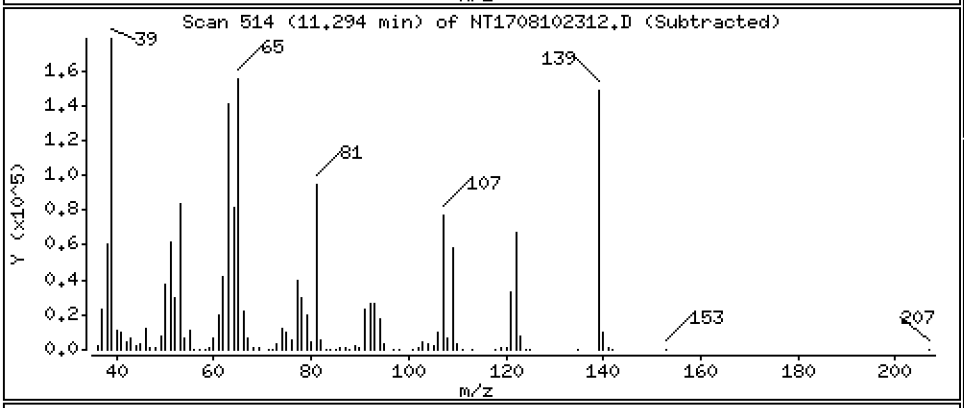
Column phase: ZB-5msi

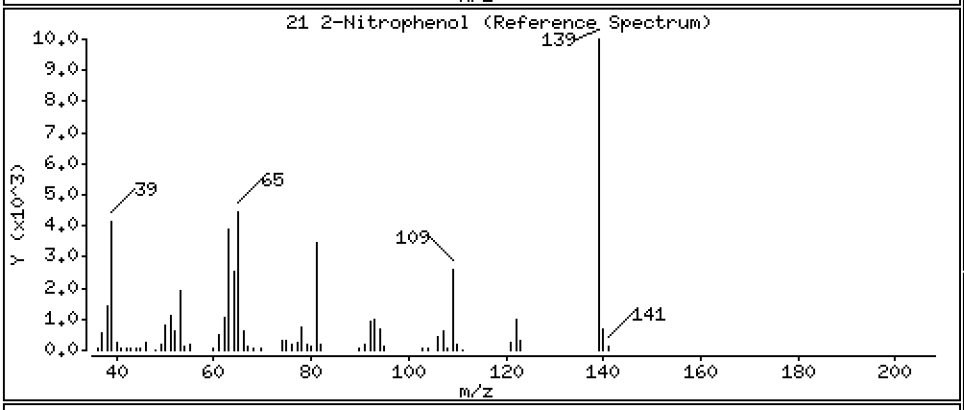
Column diameter: 0.25

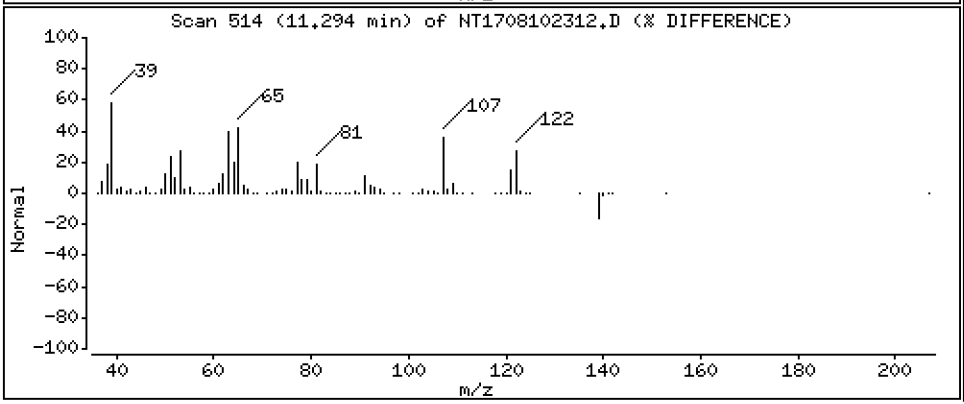
21 2-Nitrophenol

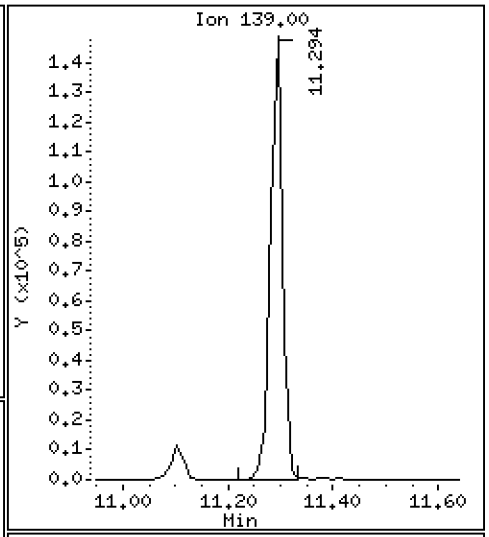
Concentration: 4.753 ug/mL

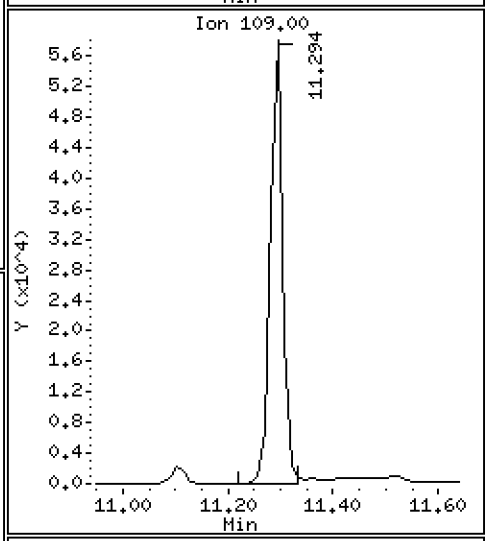


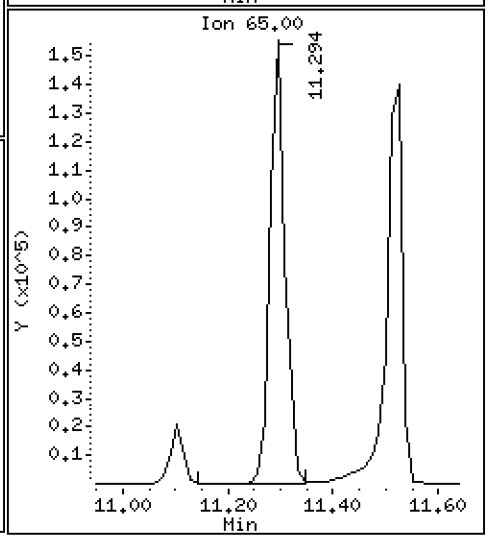












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

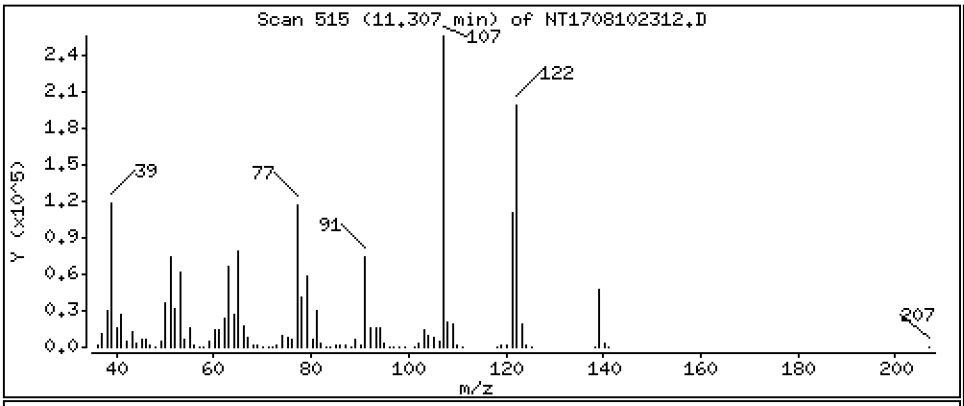
Operator: JGR

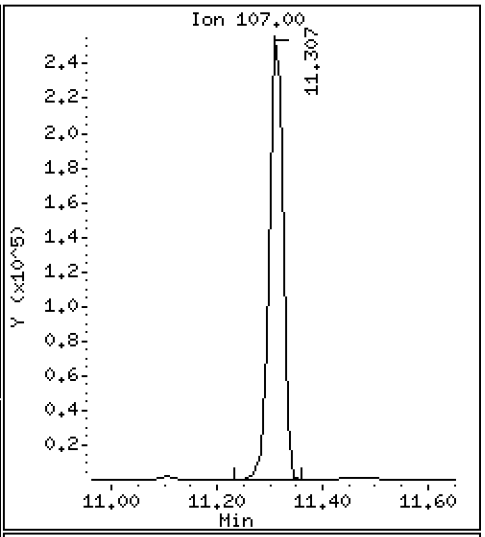
Column phase: ZB-5msi

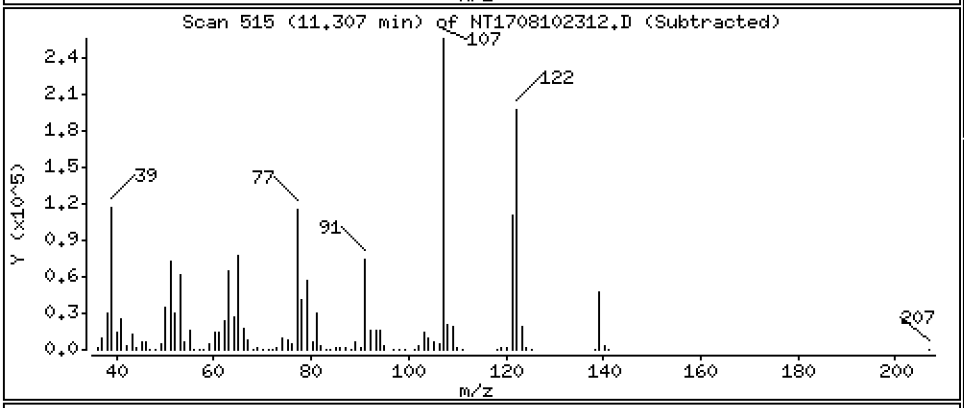
Column diameter: 0.25

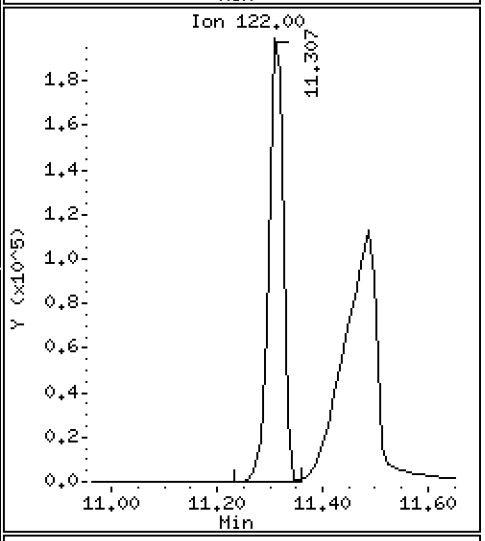
22 2,4-Dimethylphenol

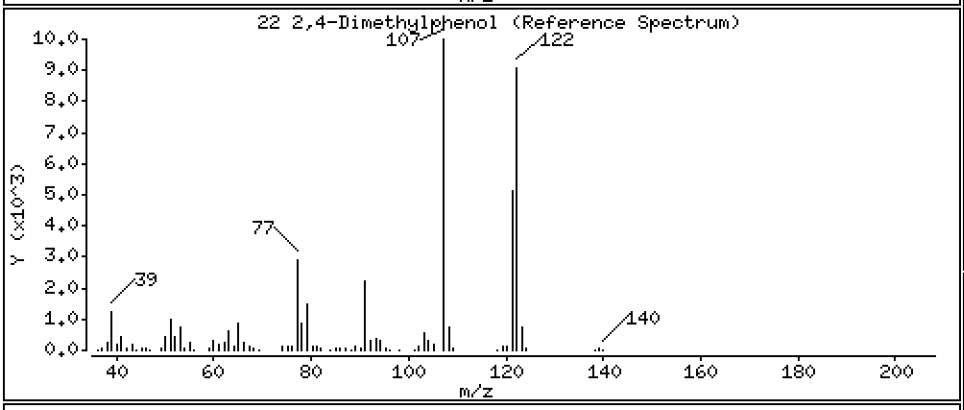
Concentration: 4.123 ug/mL

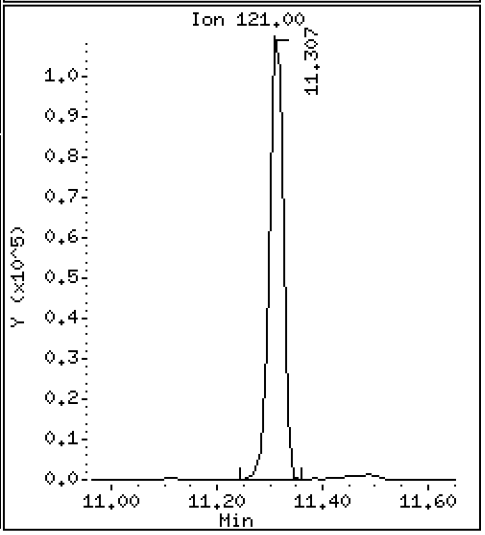


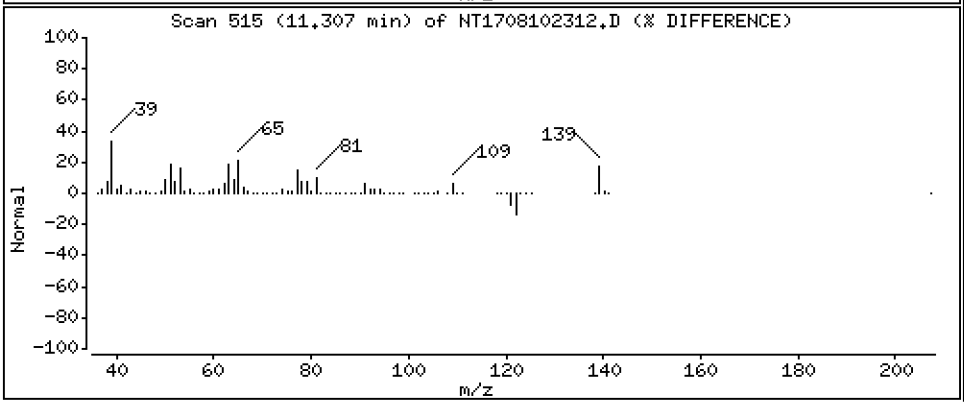












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

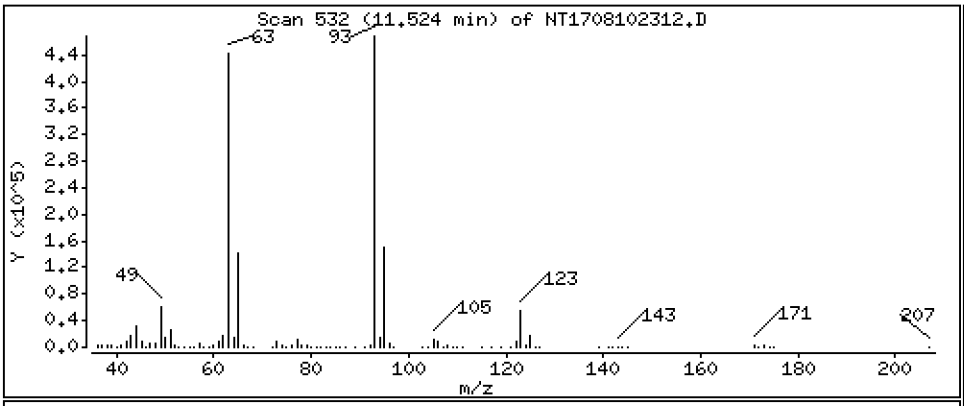
Operator: JGR

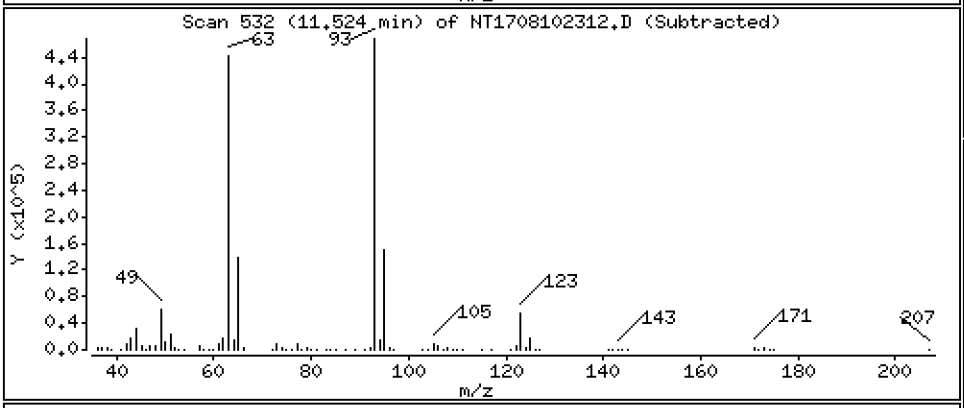
Column phase: ZB-5msi

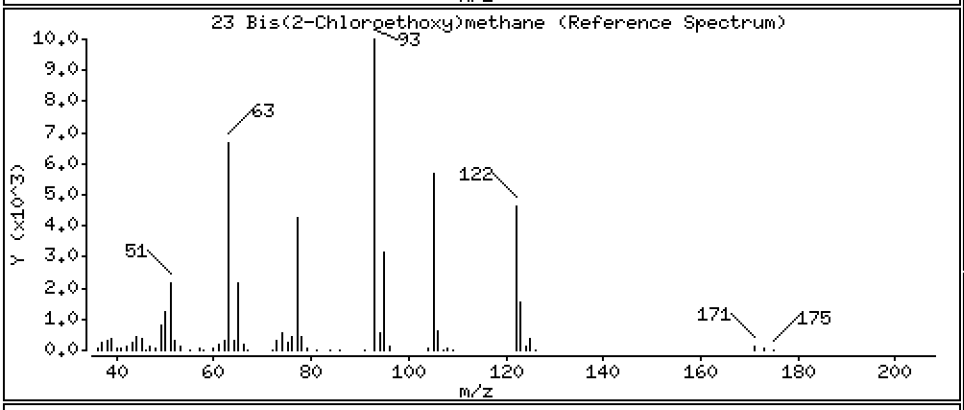
Column diameter: 0.25

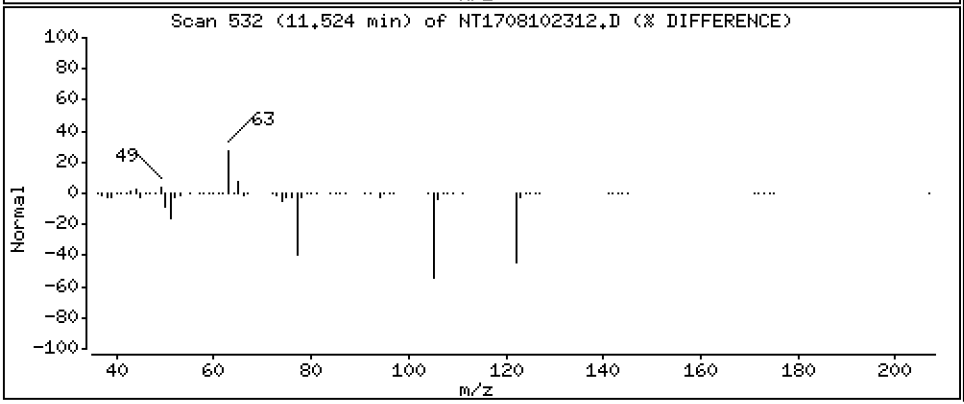
23 Bis(2-Chloroethoxy)methane

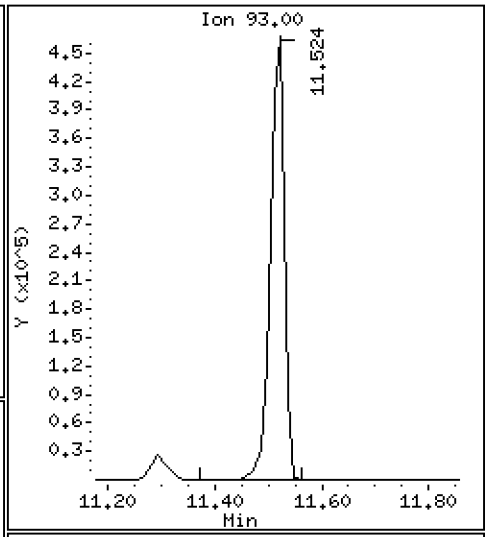
Concentration: 6.409 ug/mL

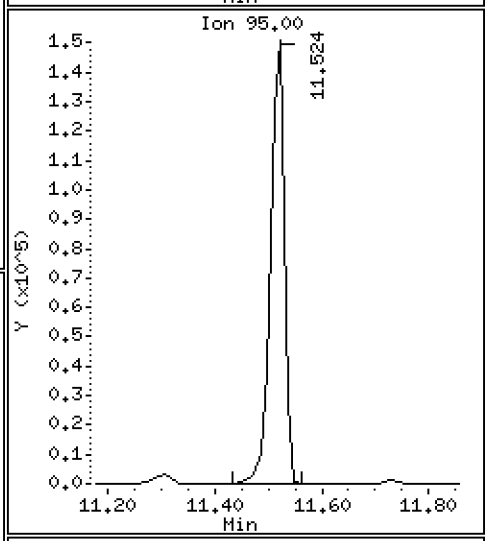


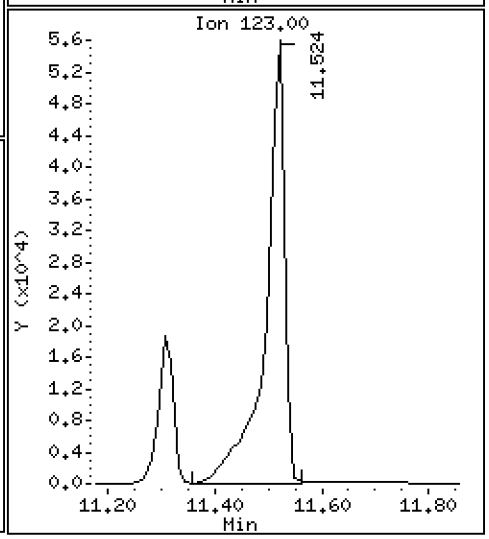












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

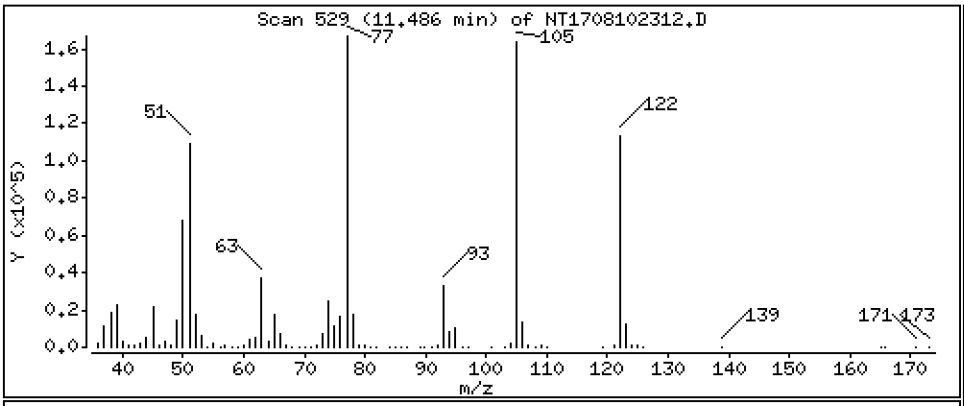
Operator: JGR

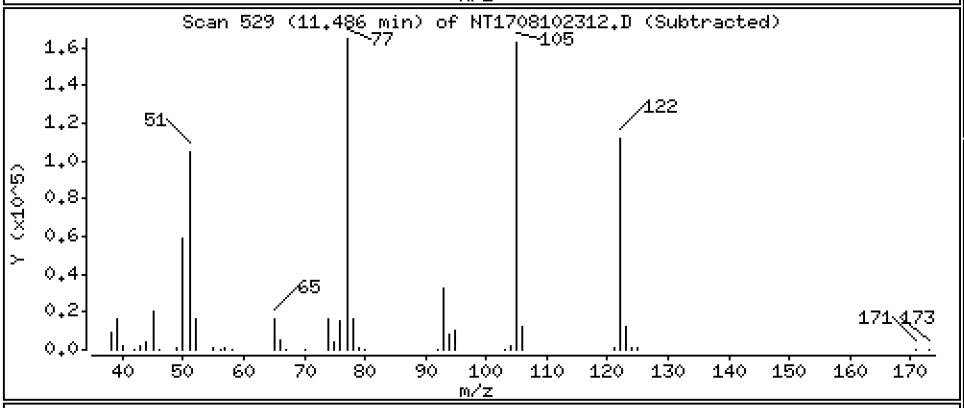
Column phase: ZB-5msi

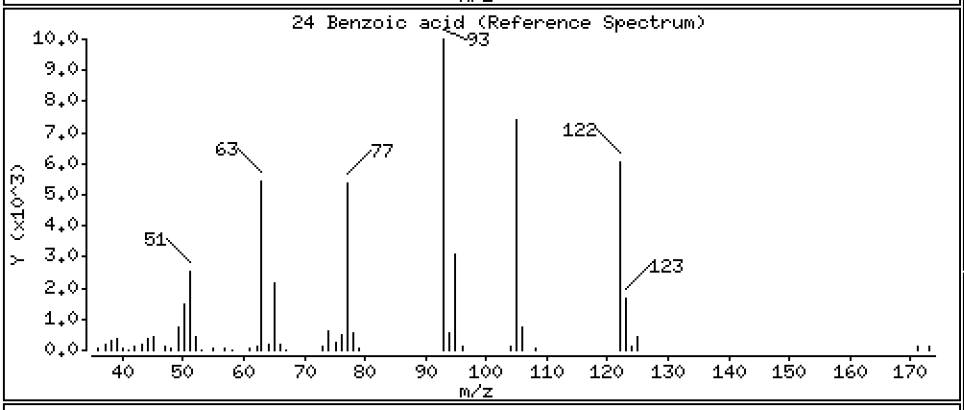
Column diameter: 0.25

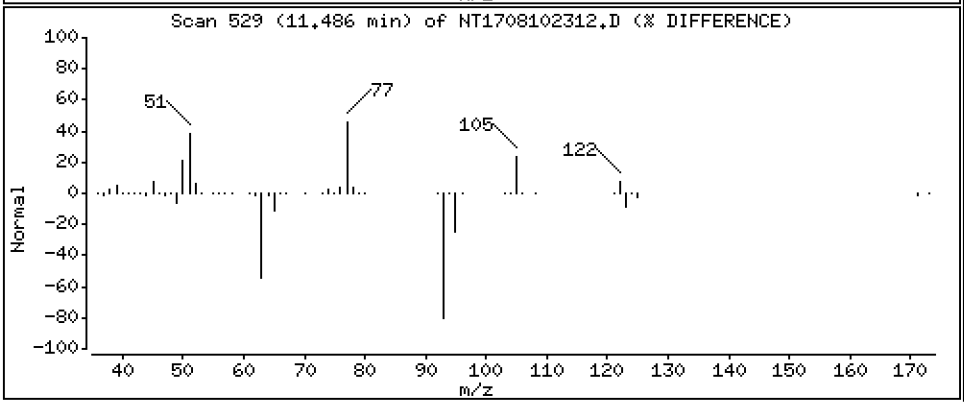
24 Benzoic acid

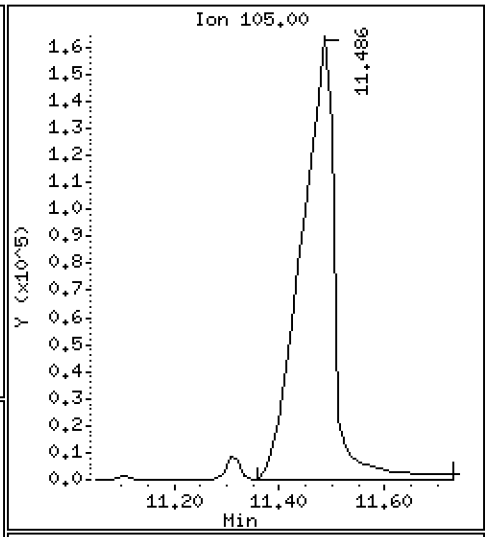
Concentration: 7.382 ug/mL

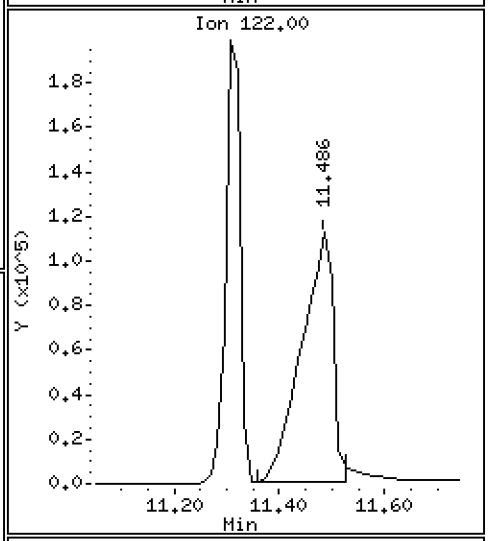


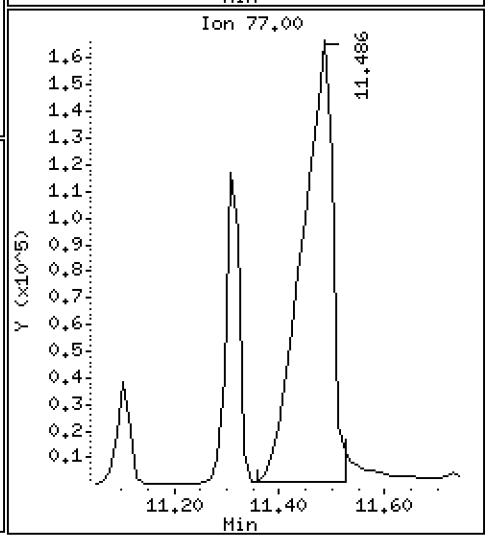












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

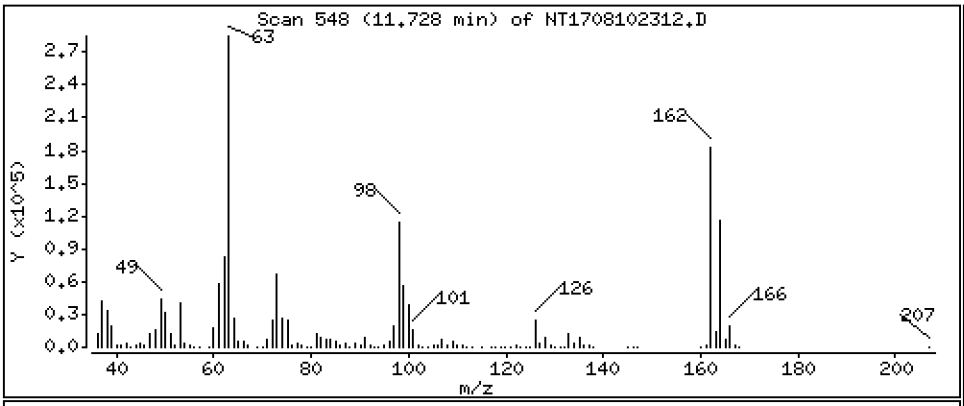
Operator: JGR

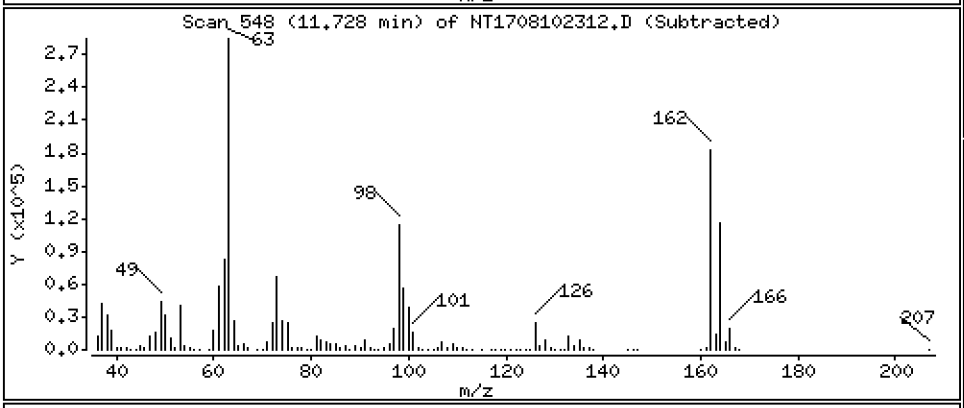
Column phase: ZB-5msi

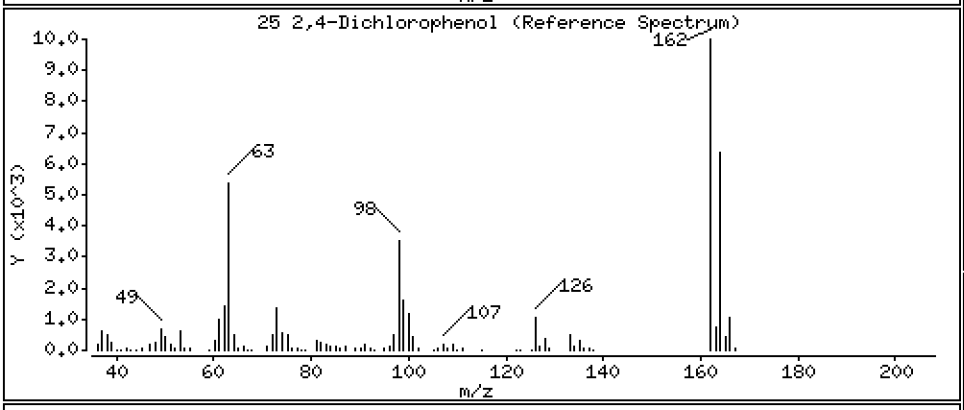
Column diameter: 0.25

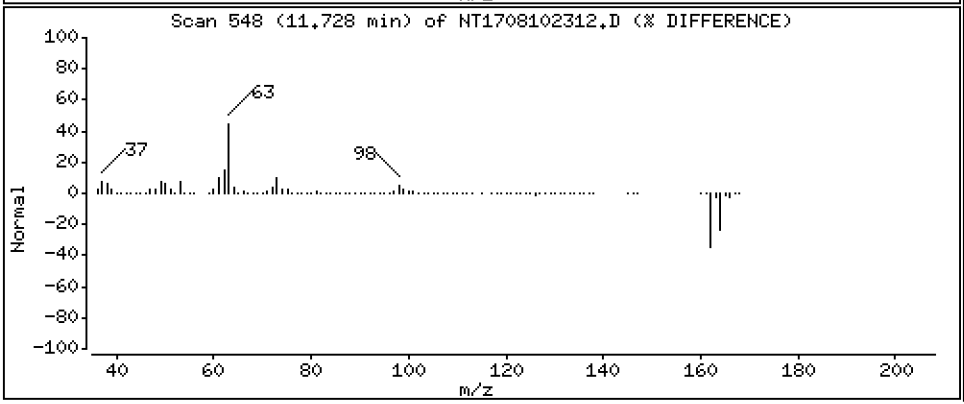
25 2,4-Dichlorophenol

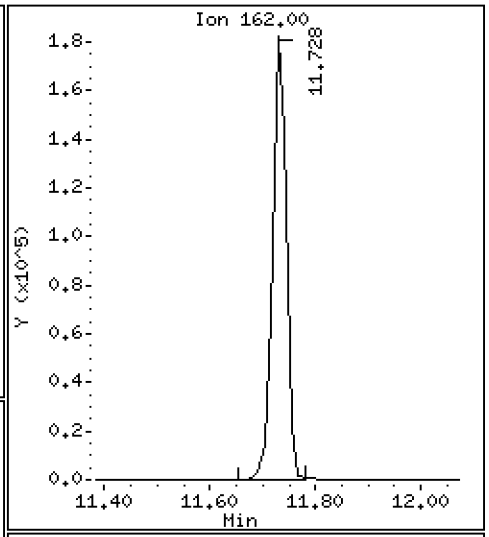
Concentration: 5.686 ug/mL

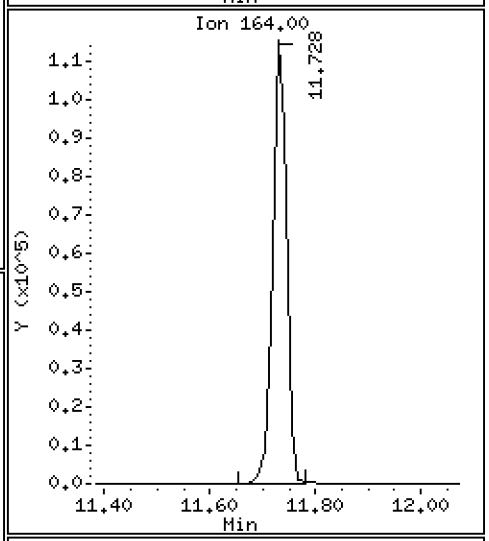


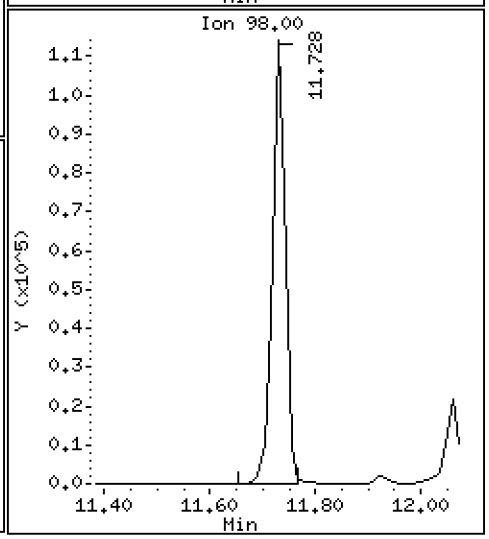












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

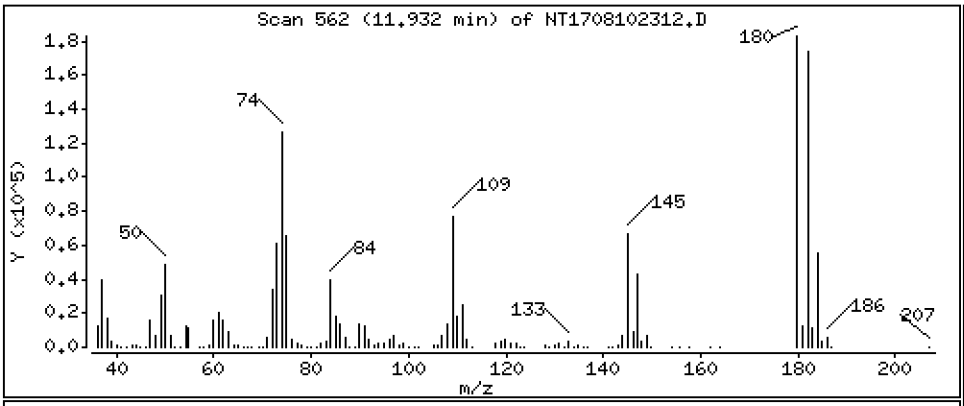
Operator: JGR

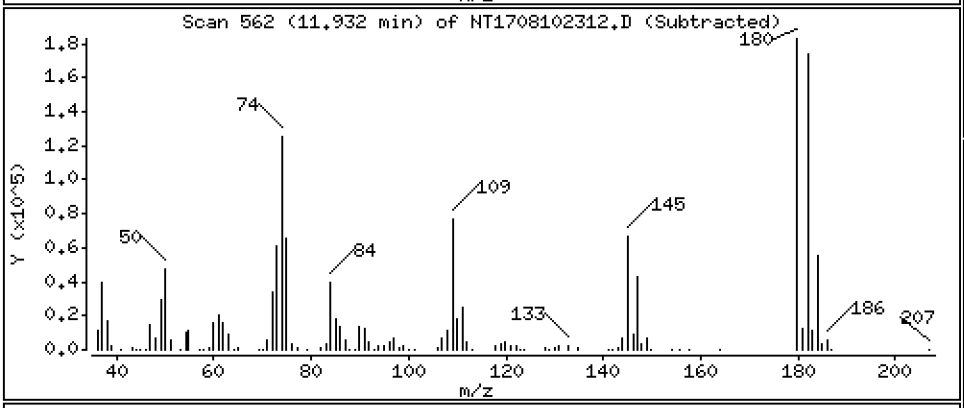
Column phase: ZB-5msi

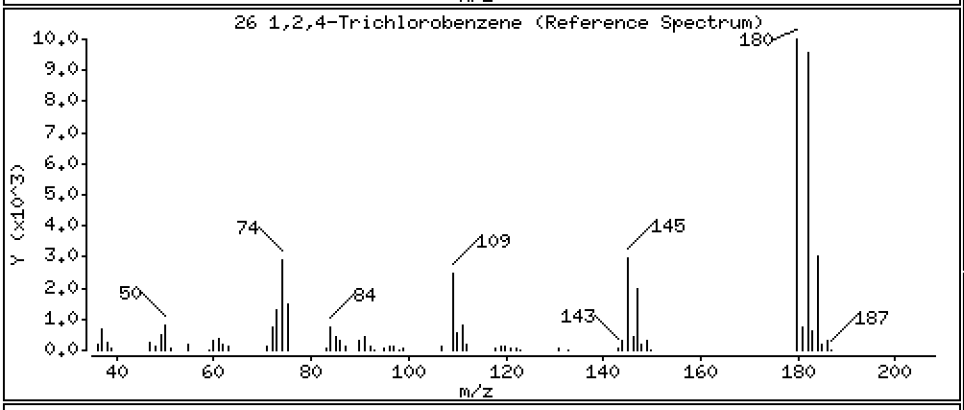
Column diameter: 0.25

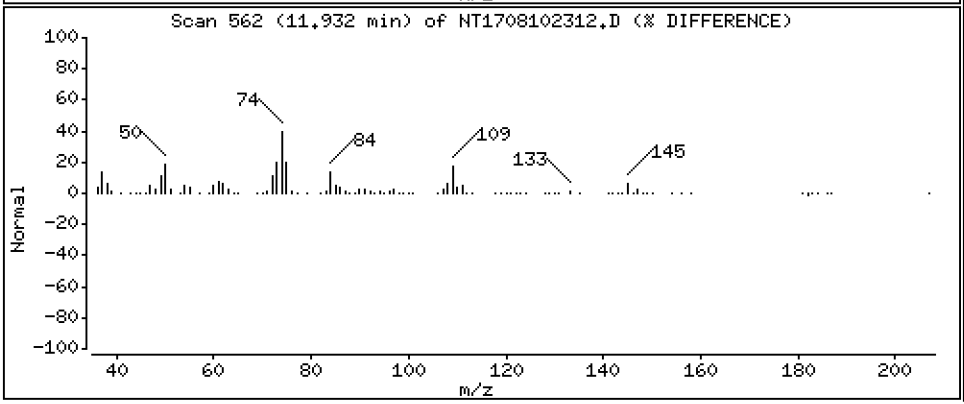
26 1,2,4-Trichlorobenzene

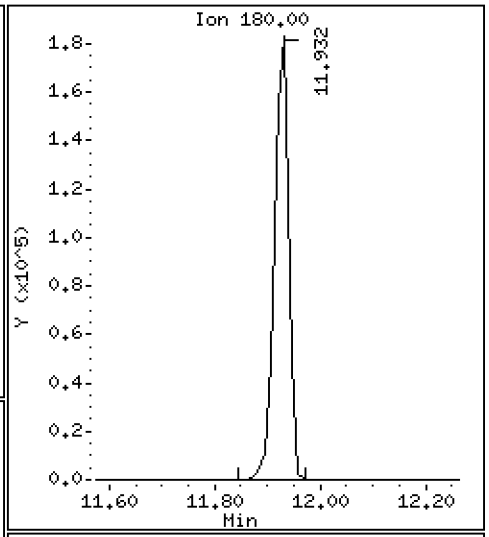
Concentration: 5.092 ug/mL

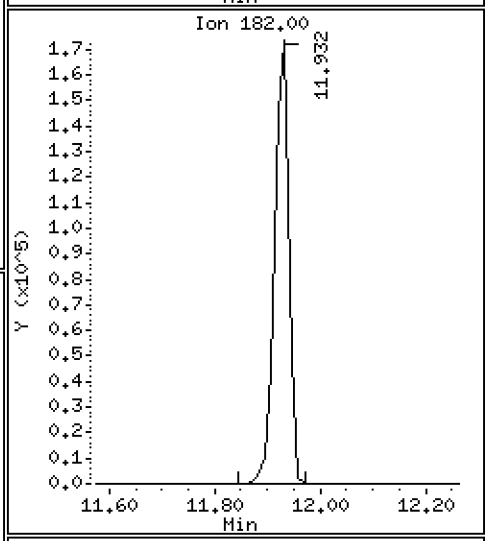


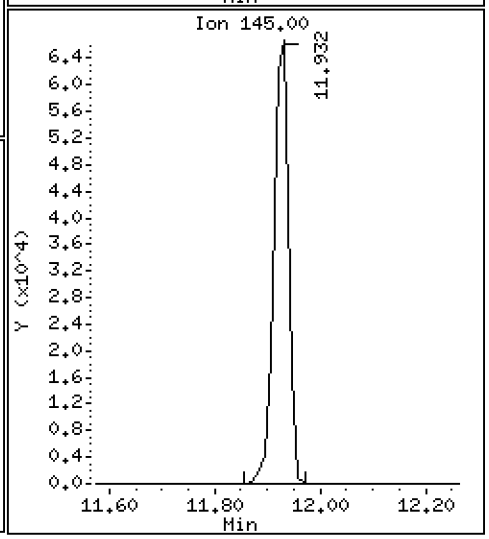












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

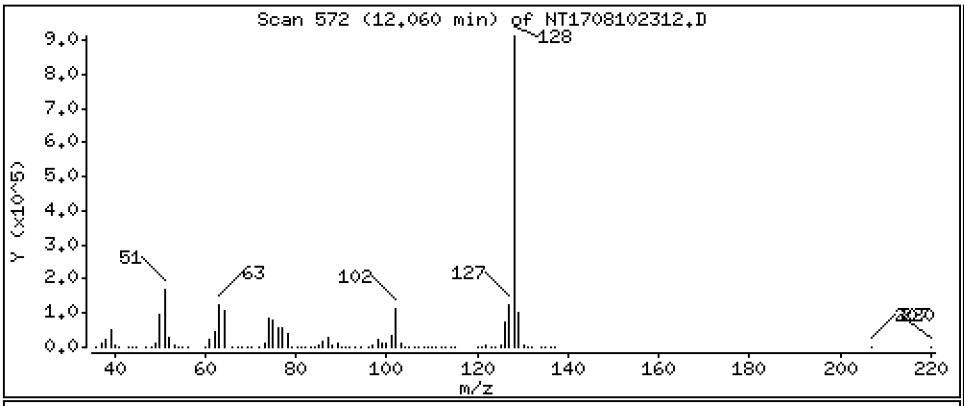
Operator: JGR

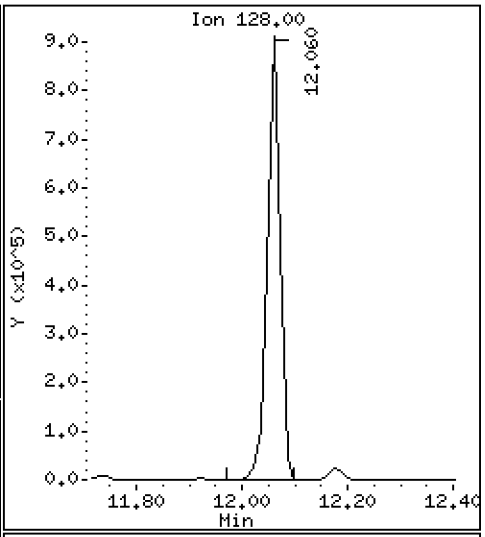
Column phase: ZB-5msi

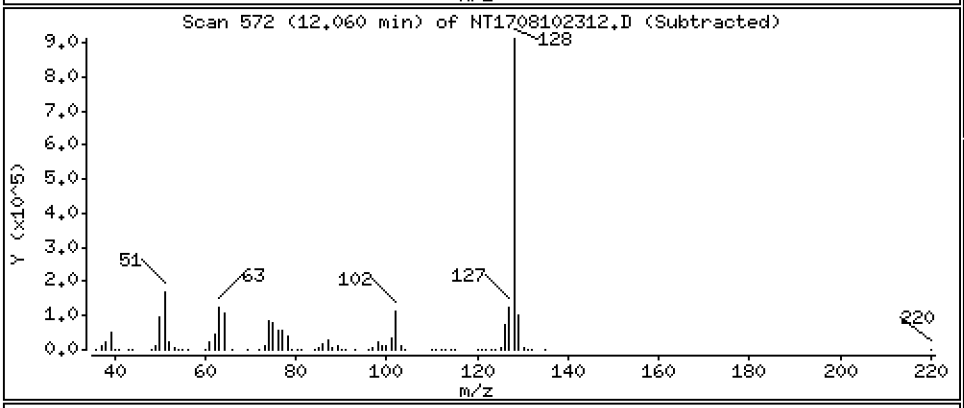
Column diameter: 0.25

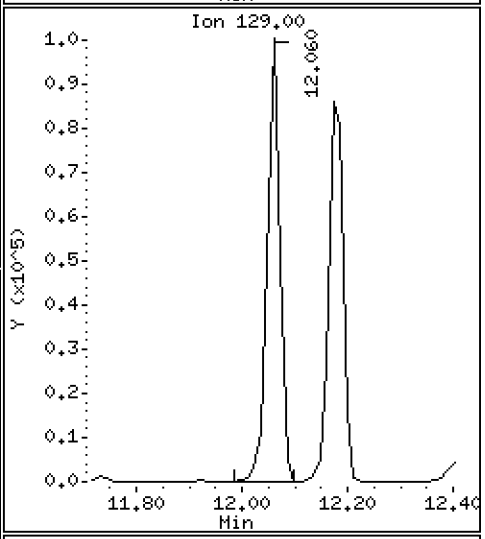
28 Naphthalene

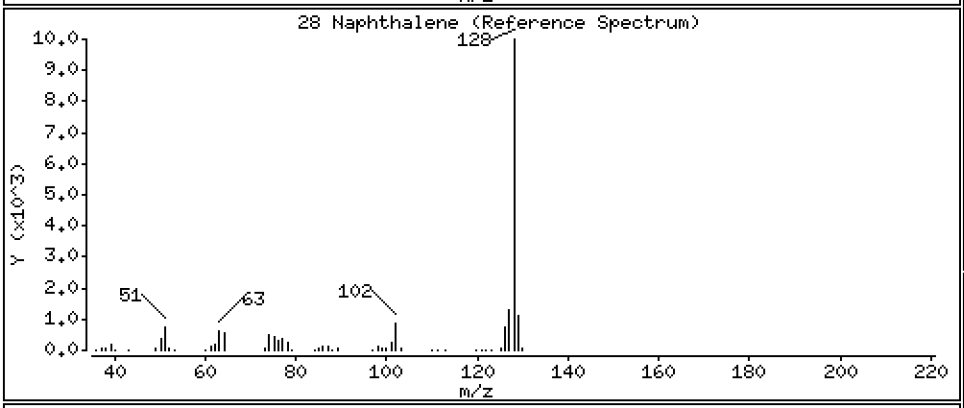
Concentration: 5.642 ug/mL

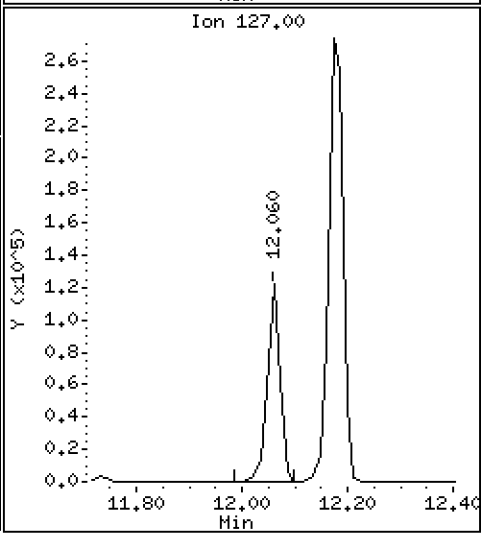


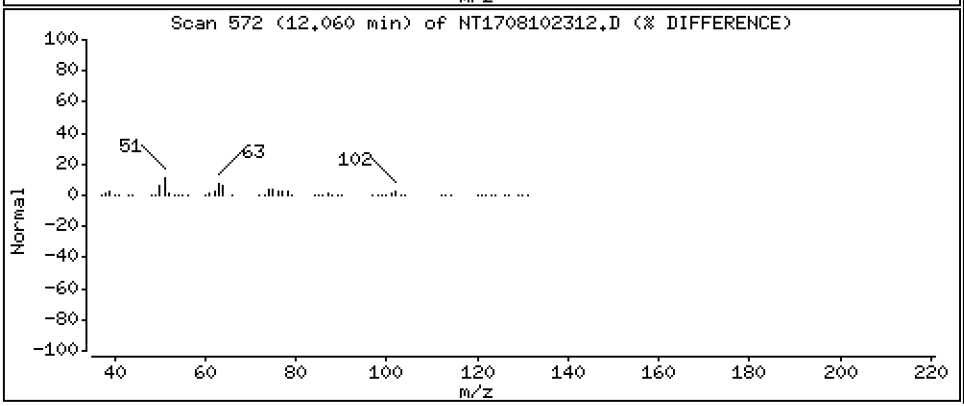












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

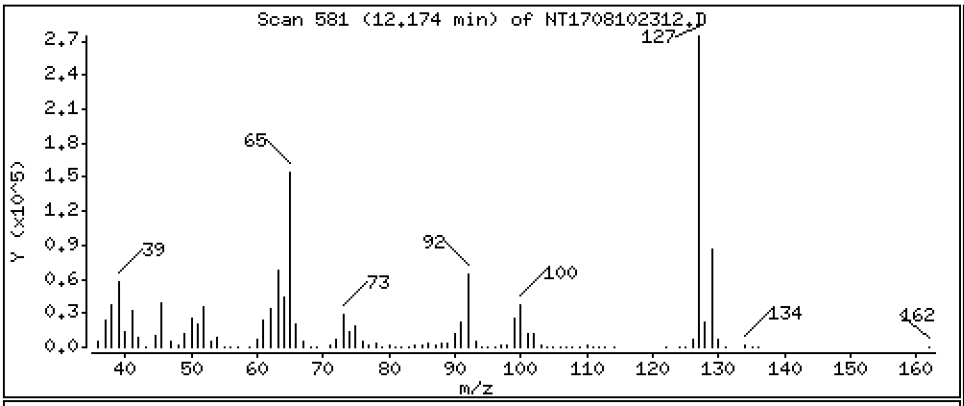
Operator: JGR

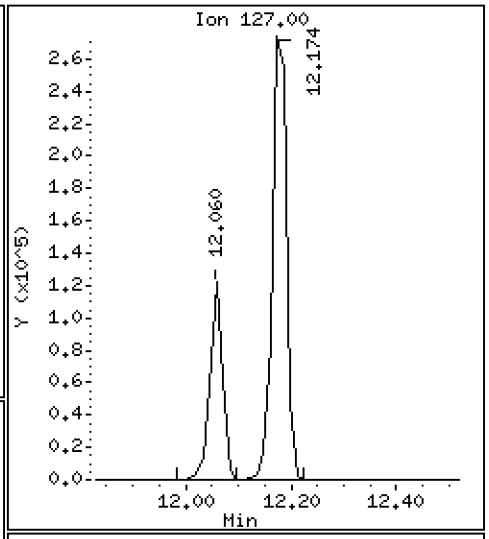
Column phase: ZB-5msi

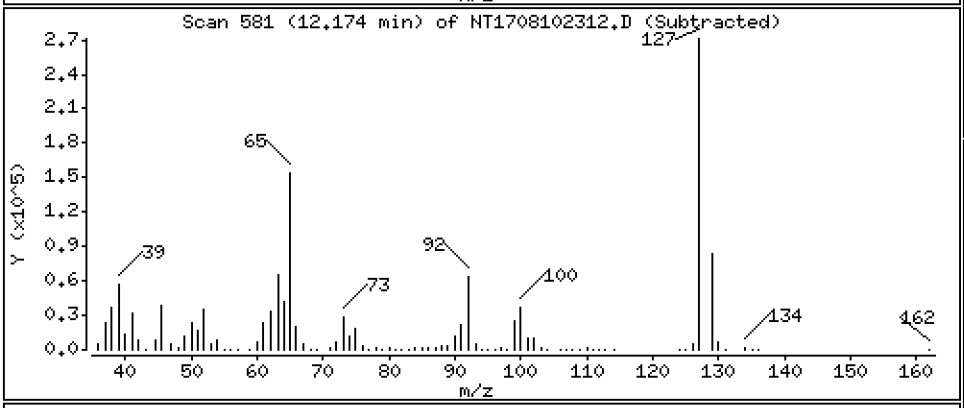
Column diameter: 0.25

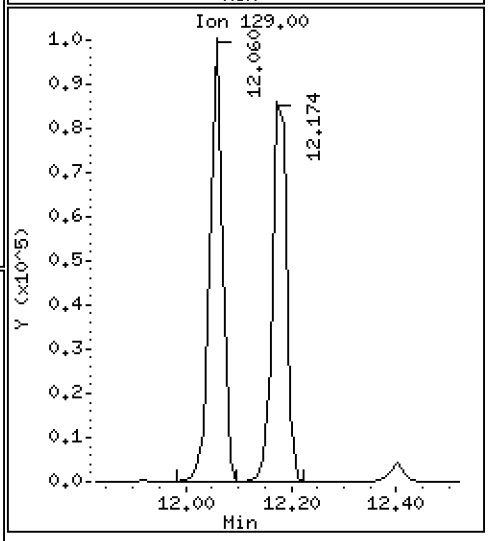
29 4-Chloroaniline

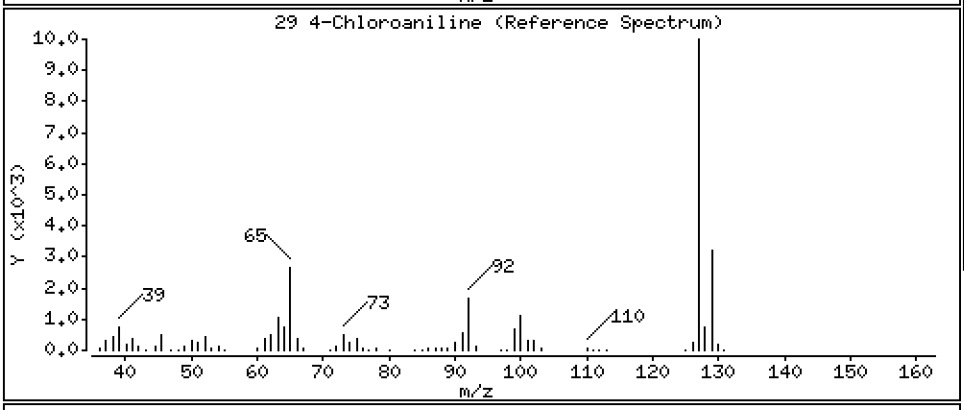
Concentration: 4.213 ug/mL

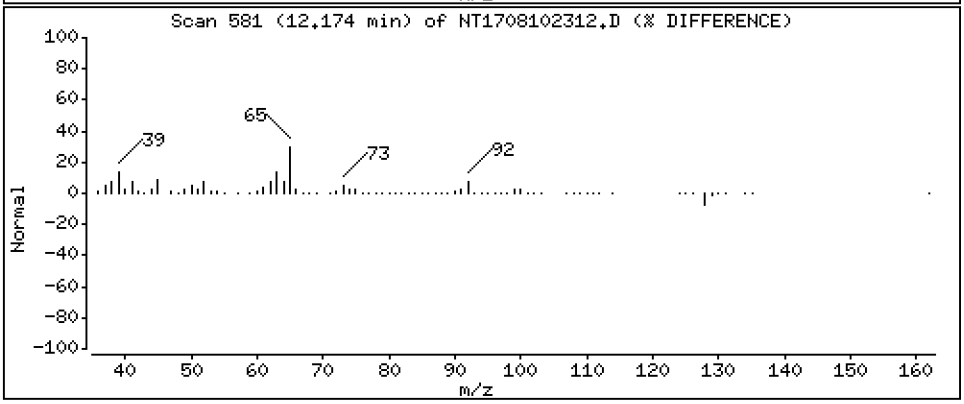












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

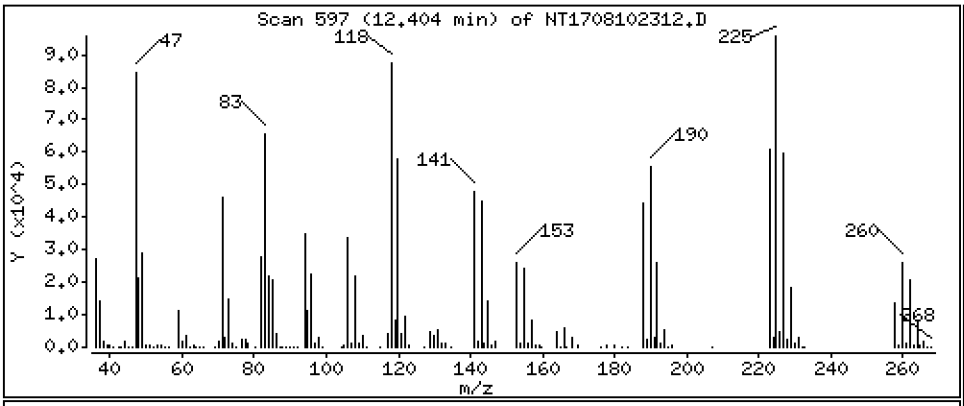
Operator: JGR

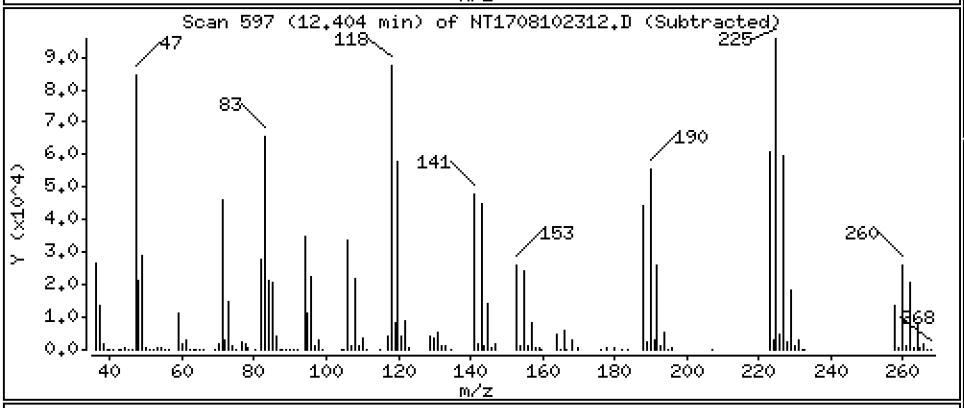
Column phase: ZB-5msi

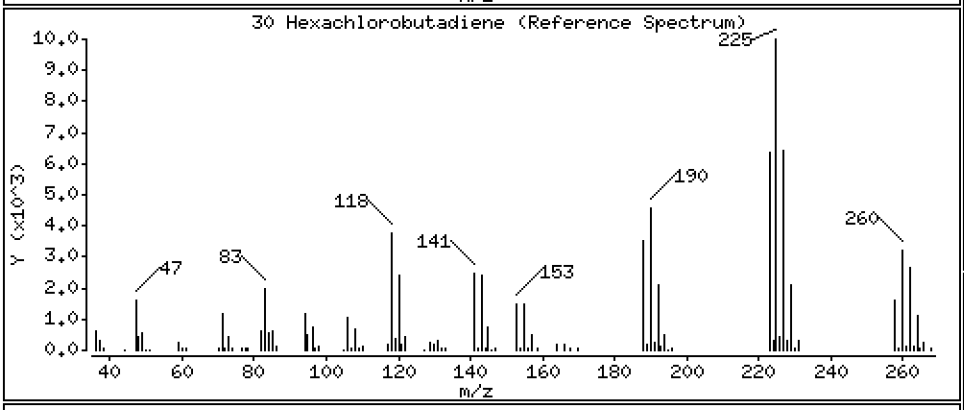
Column diameter: 0.25

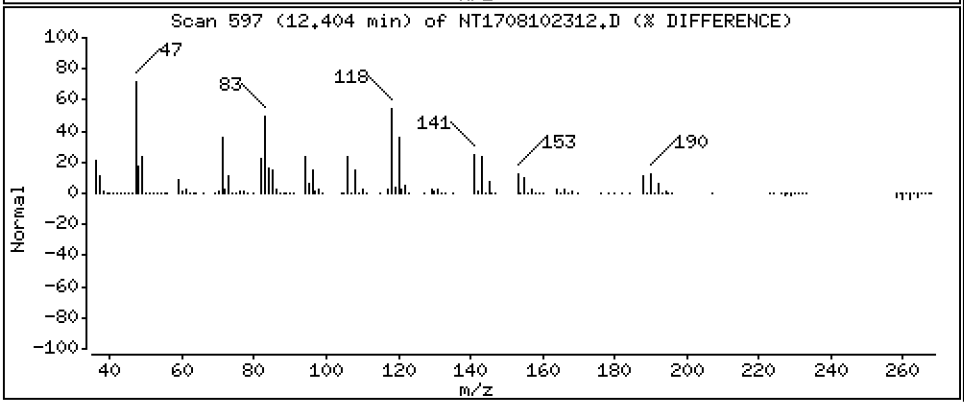
30 Hexachlorobutadiene

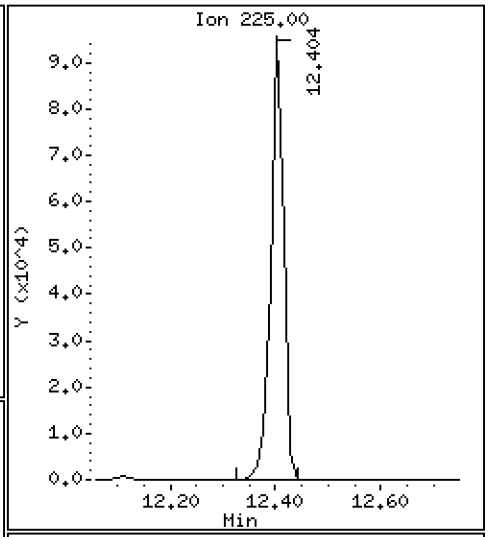
Concentration: 5.173 ug/mL

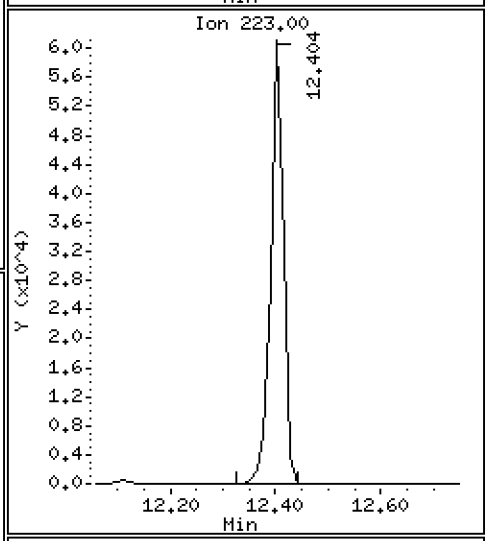


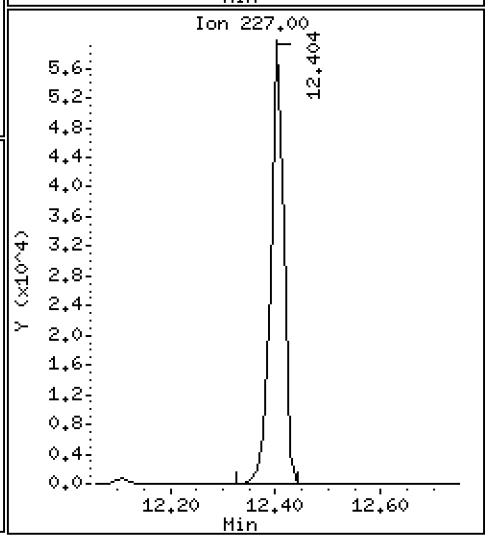












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

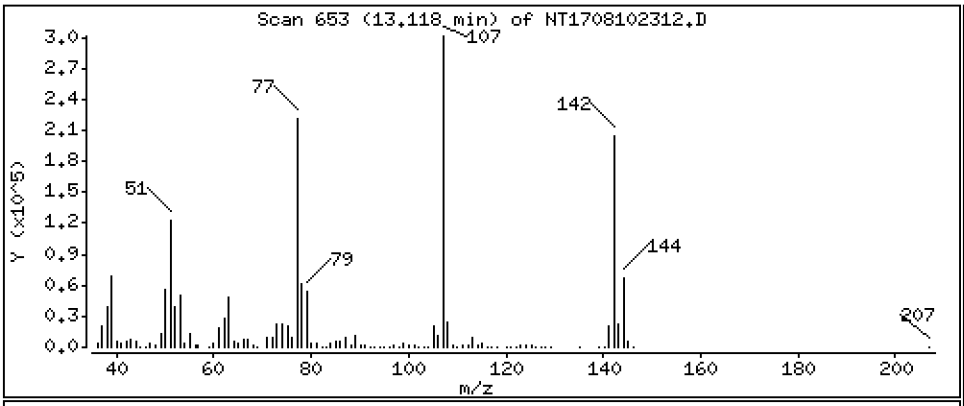
Operator: JGR

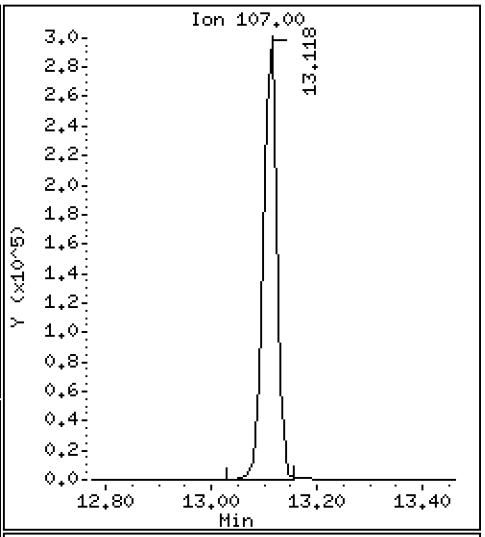
Column phase: ZB-5msi

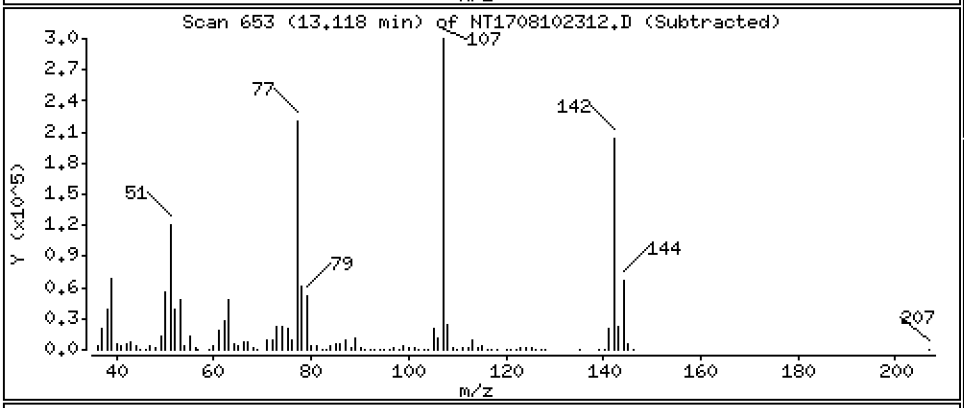
Column diameter: 0.25

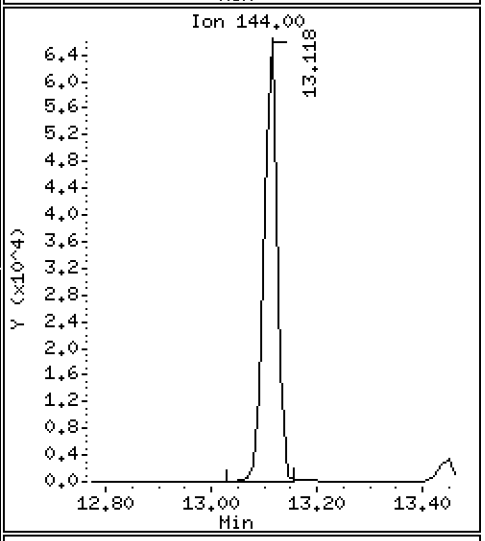
31 4-Chloro-3-methylphenol

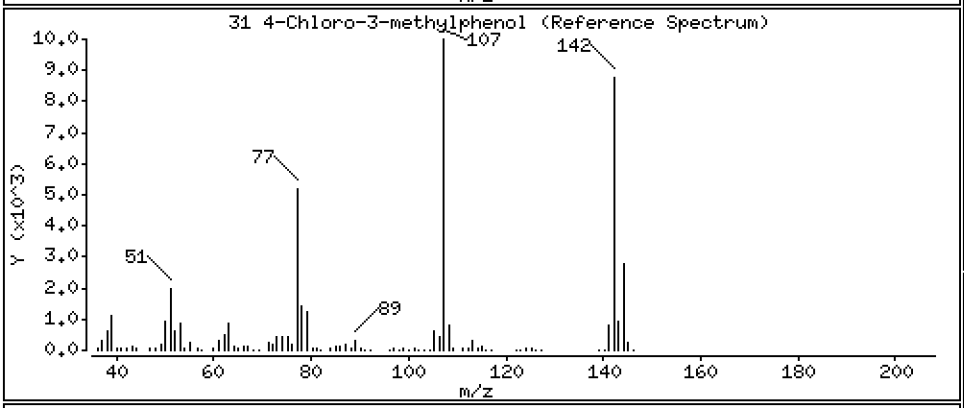
Concentration: 4.798 ug/mL

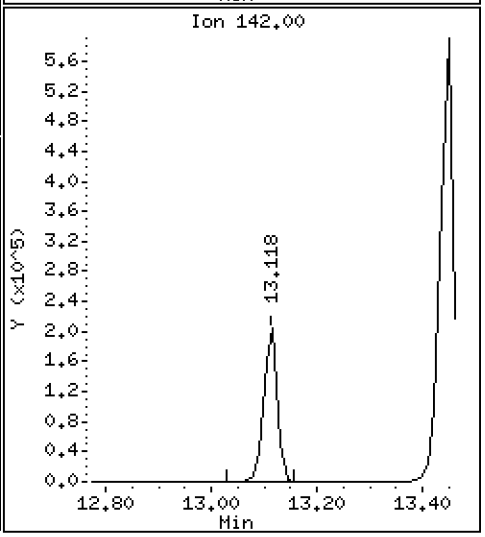


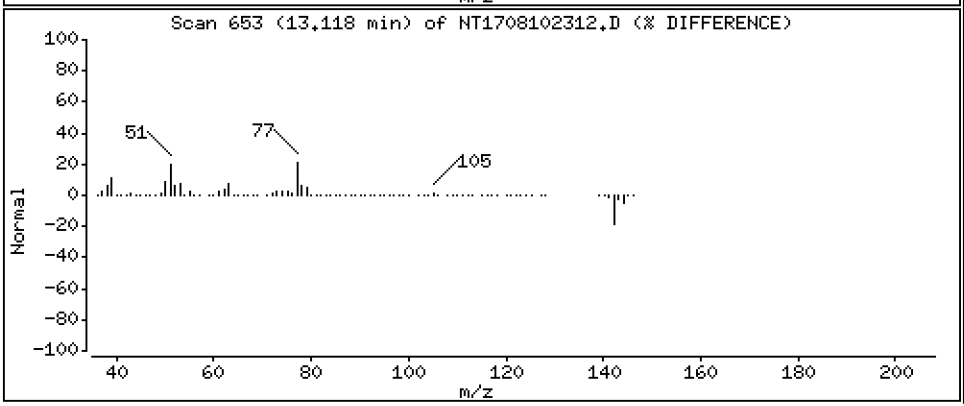












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

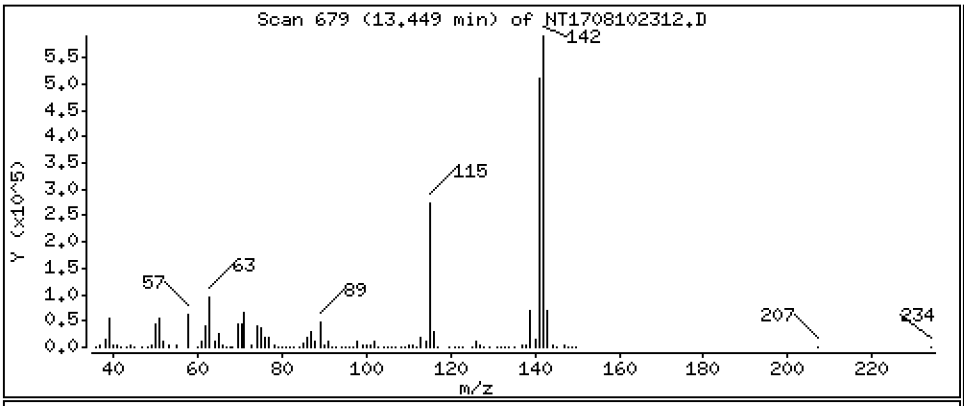
Operator: JGR

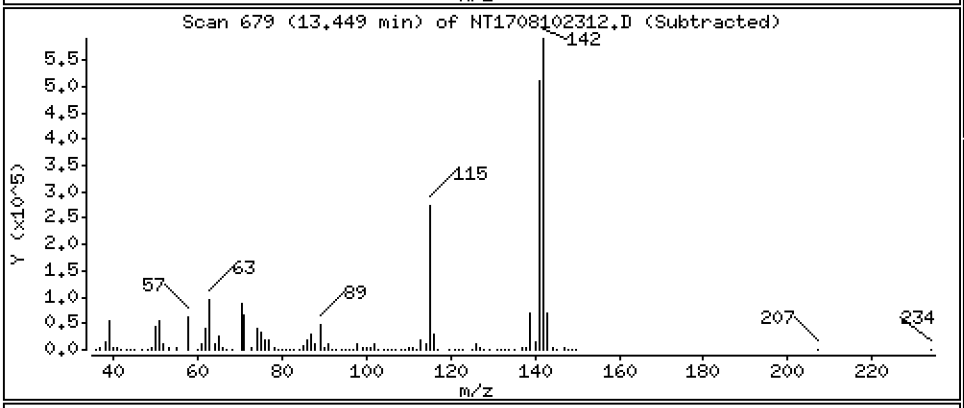
Column phase: ZB-5msi

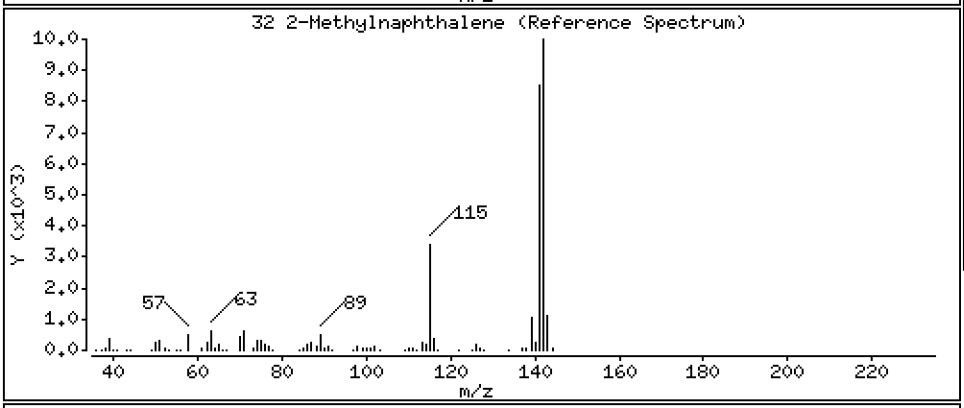
Column diameter: 0.25

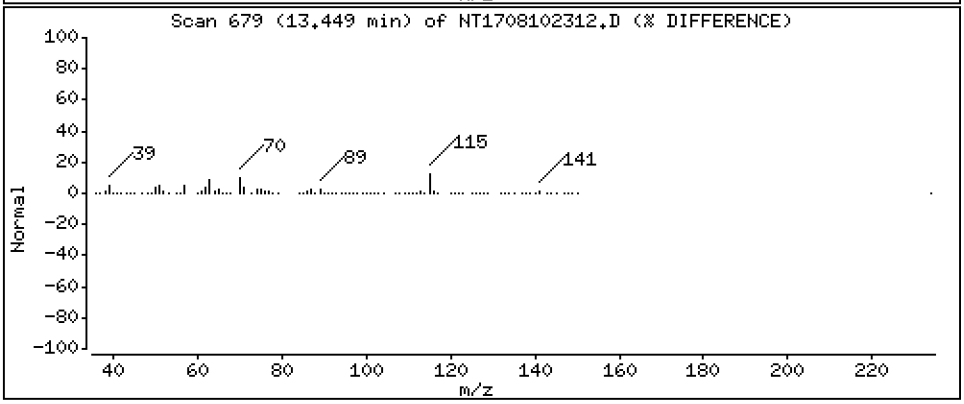
32 2-Methylnaphthalene

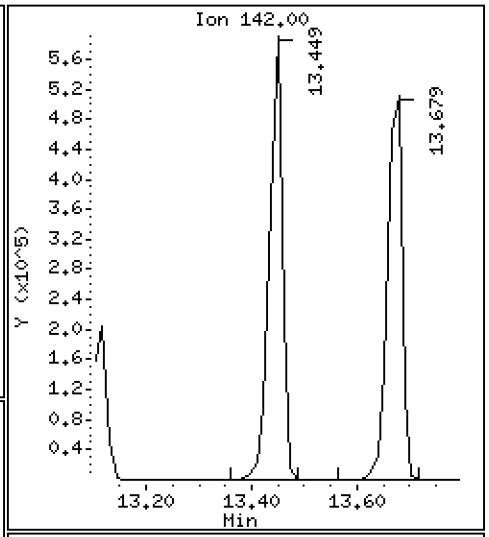
Concentration: 5.370 ug/mL

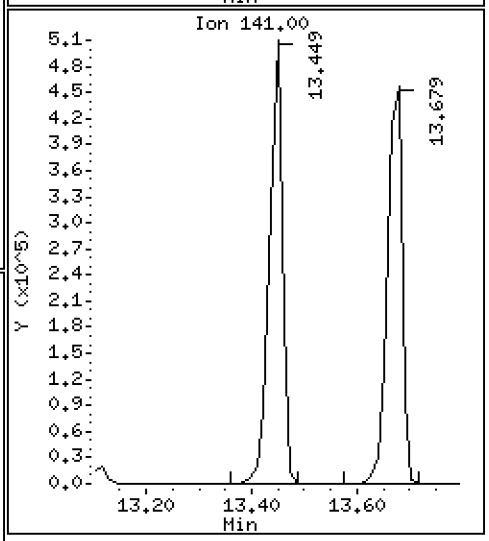












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

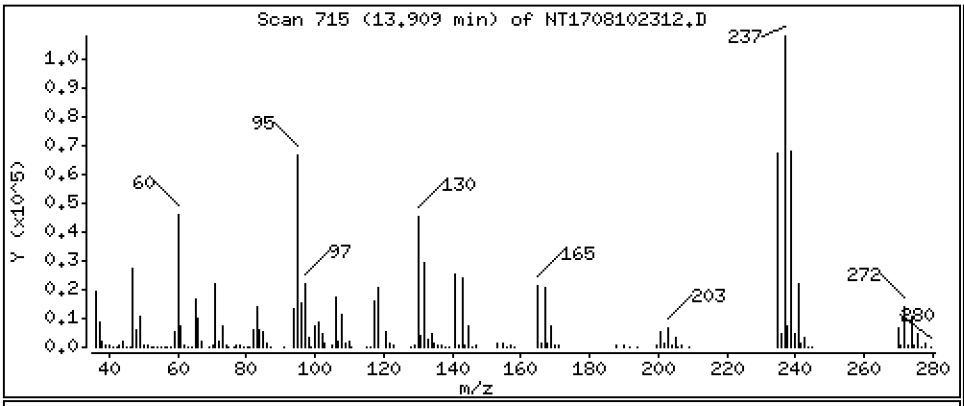
Operator: JGR

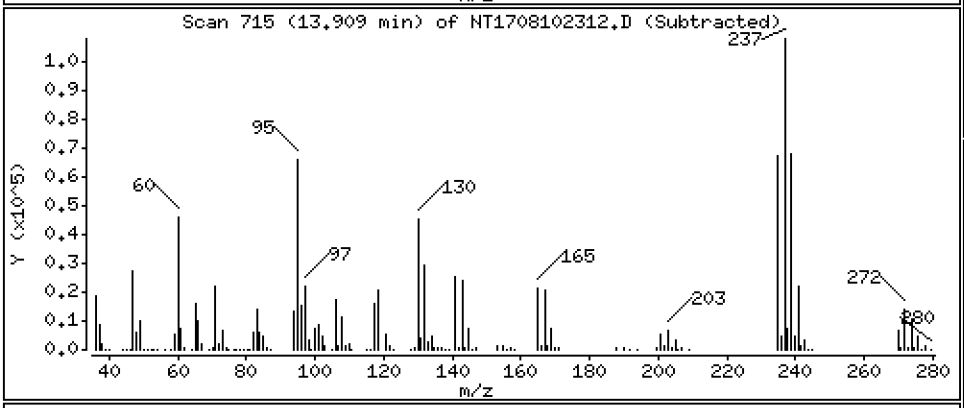
Column phase: ZB-5msi

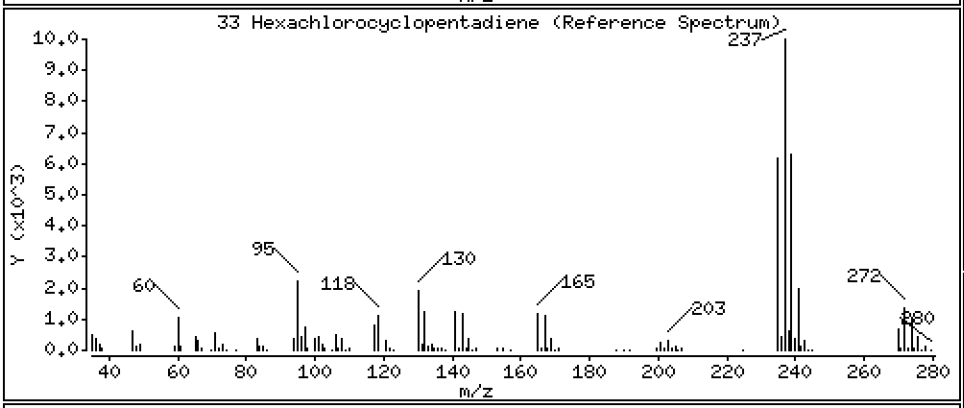
Column diameter: 0.25

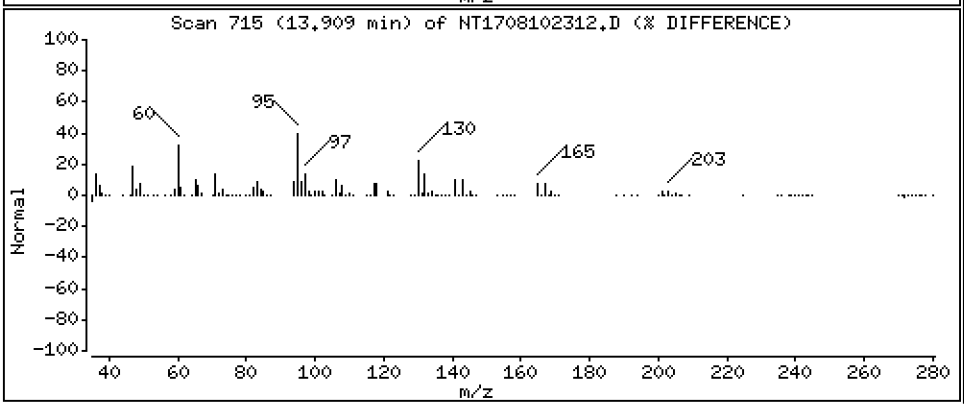
33 Hexachlorocyclopentadiene

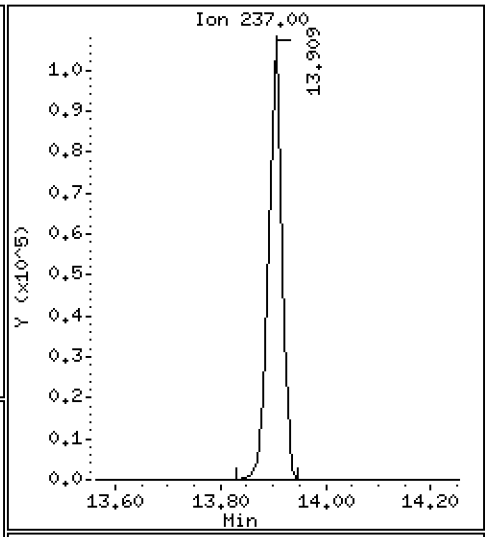
Concentration: 4.282 ug/mL

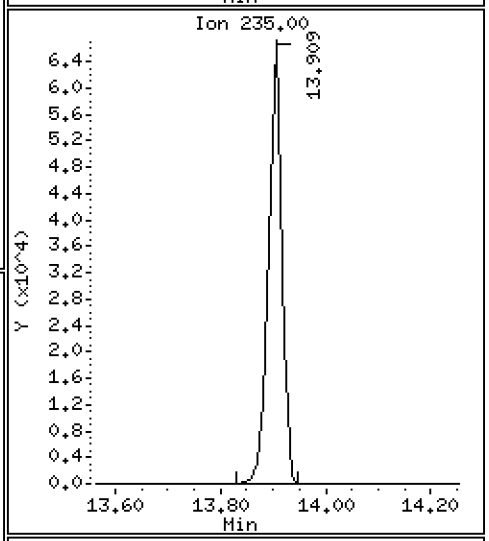


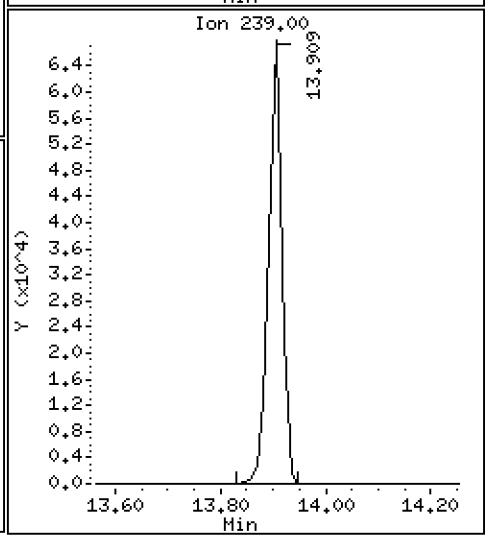












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

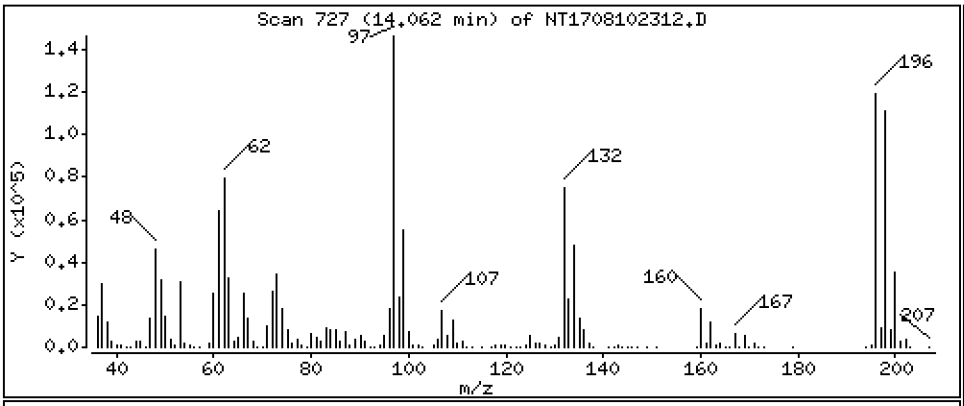
Operator: JGR

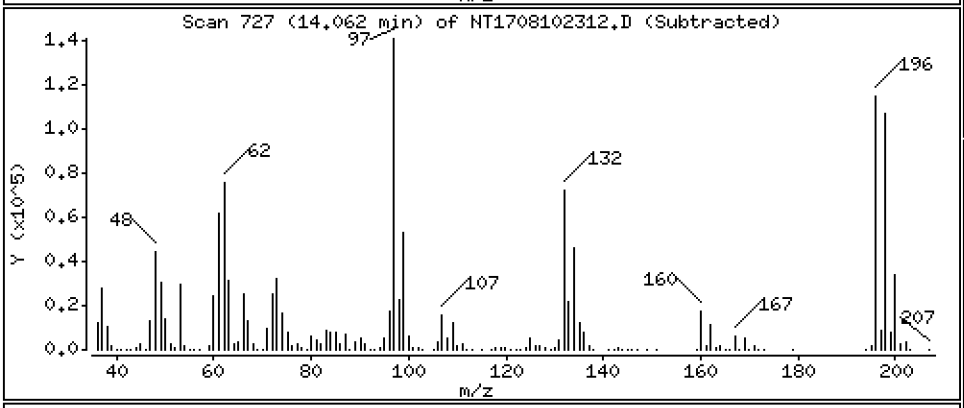
Column phase: ZB-5msi

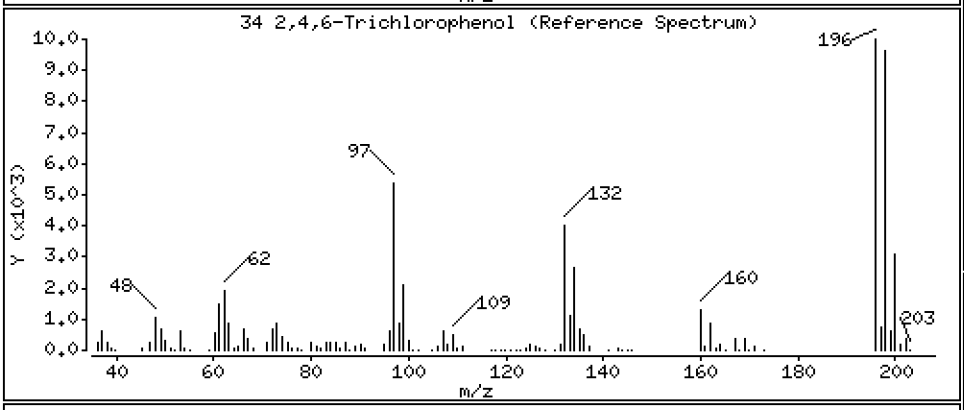
Column diameter: 0.25

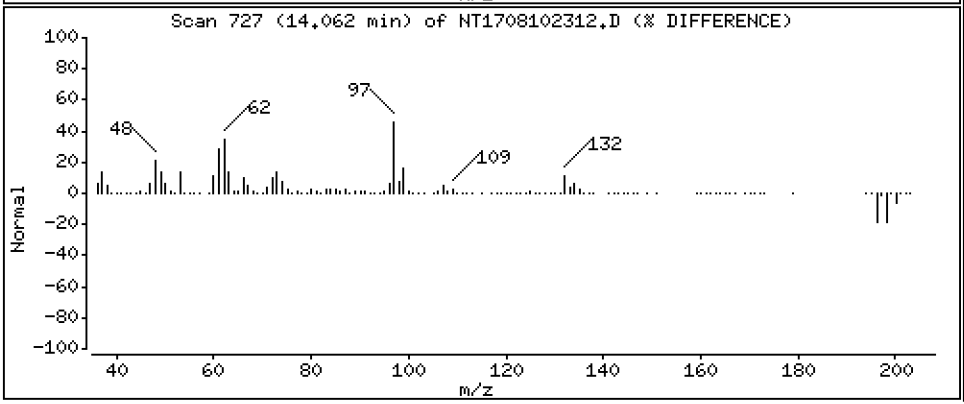
34 2,4,6-Trichlorophenol

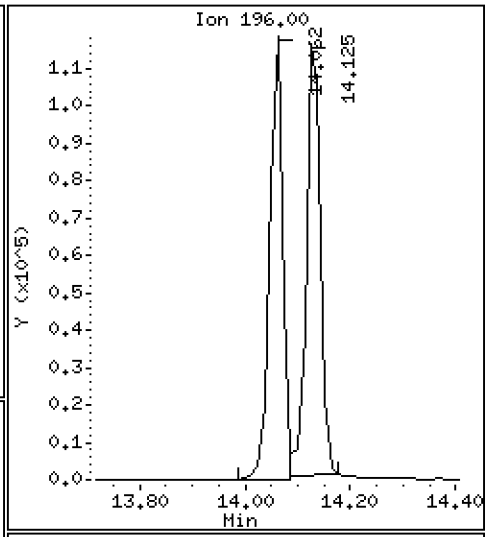
Concentration: 4.376 ug/mL

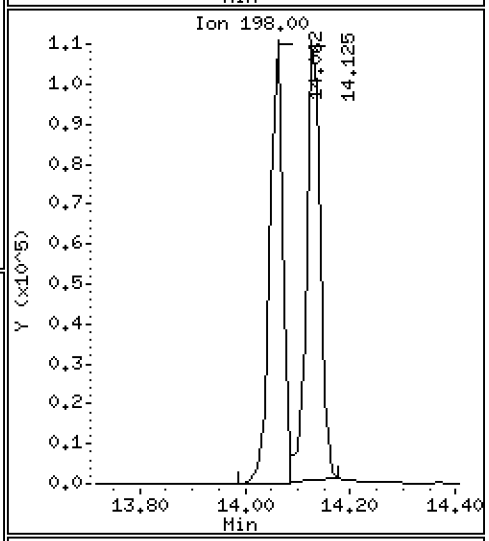


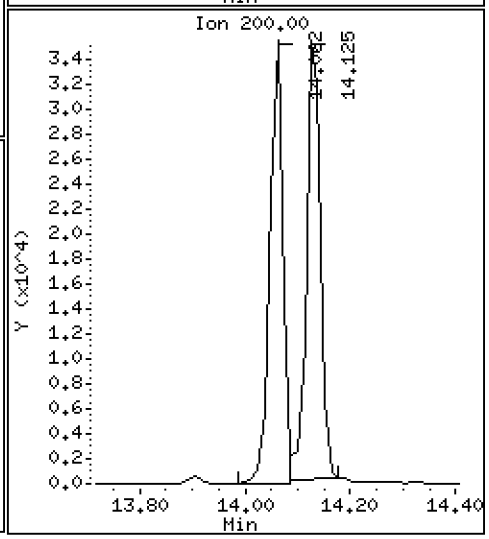












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

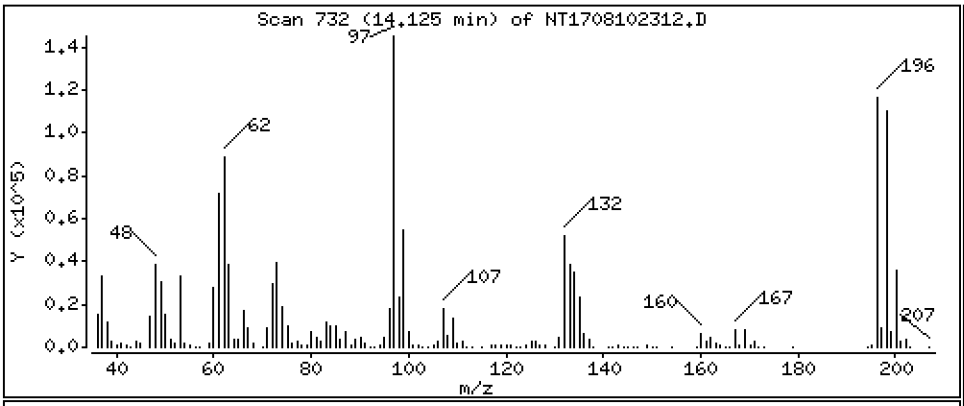
Operator: JGR

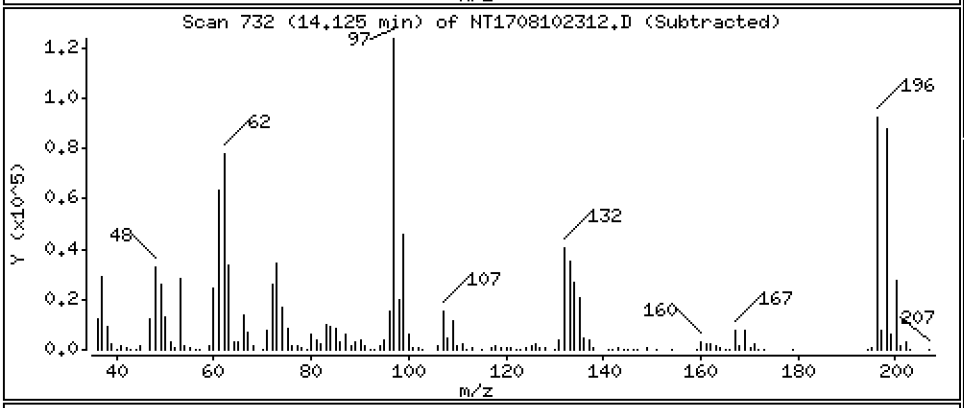
Column phase: ZB-5msi

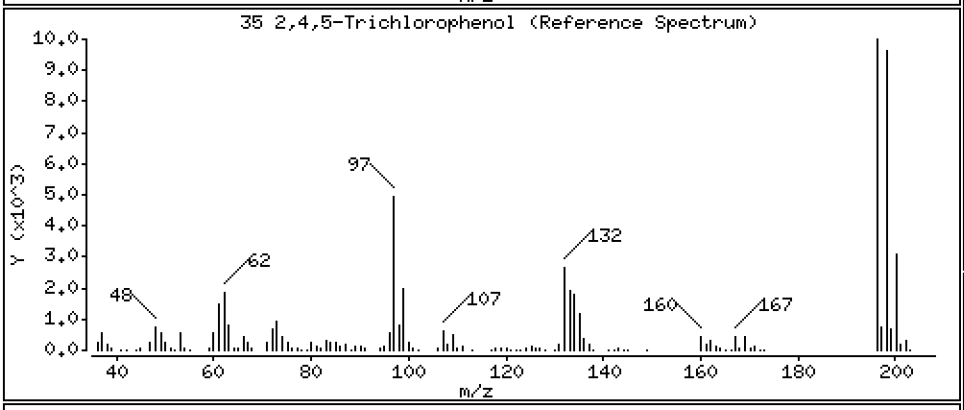
Column diameter: 0.25

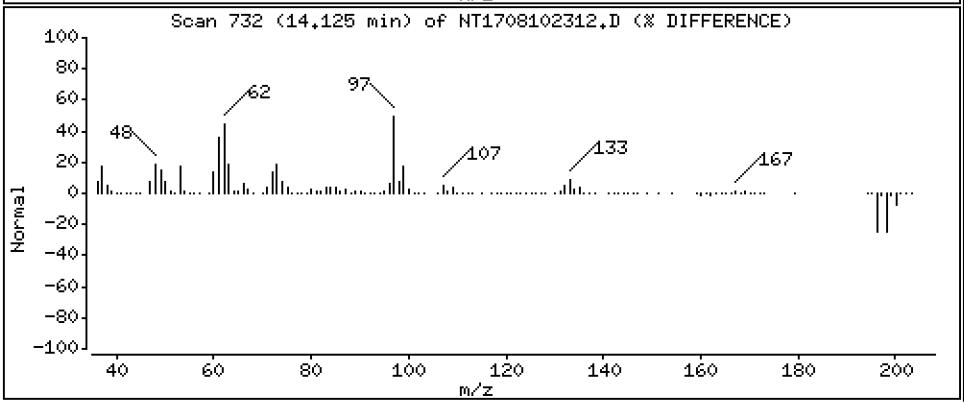
35 2,4,5-Trichlorophenol

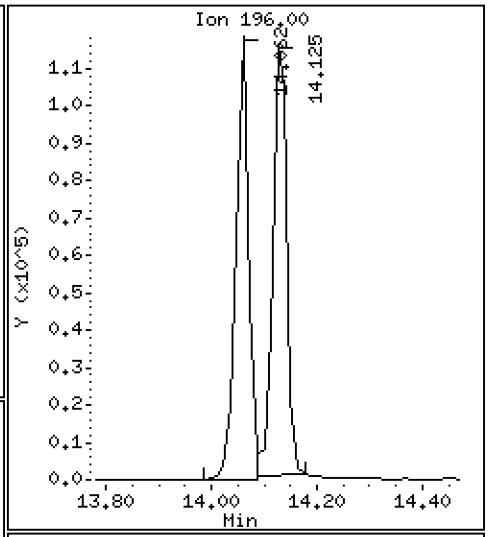
Concentration: 5.127 ug/mL

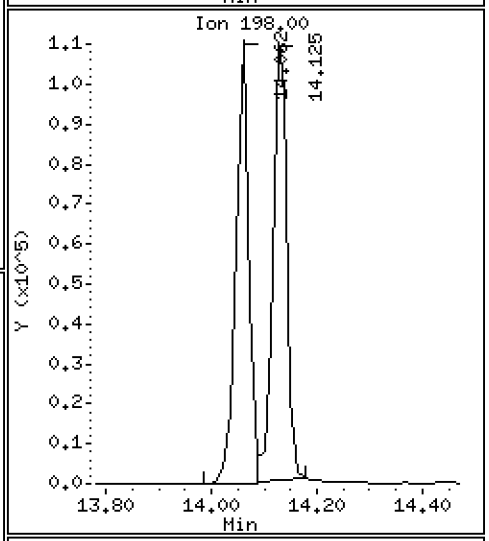


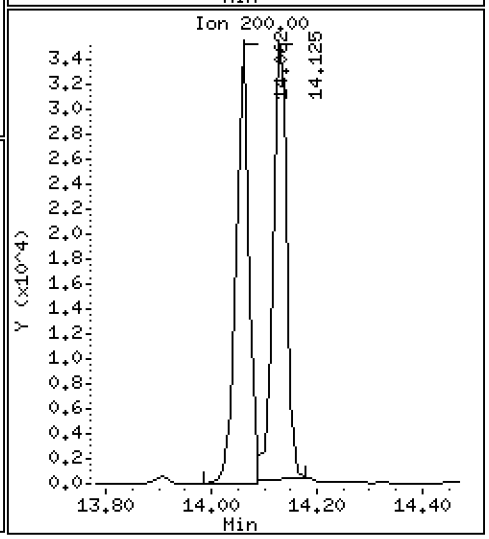












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

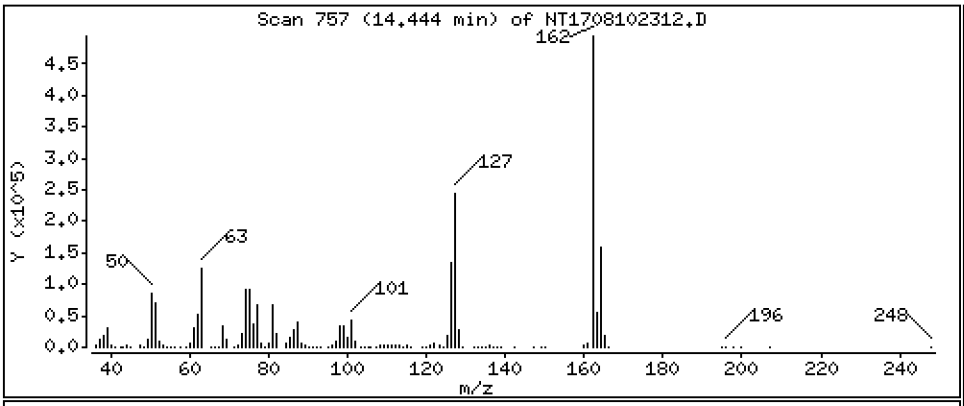
Operator: JGR

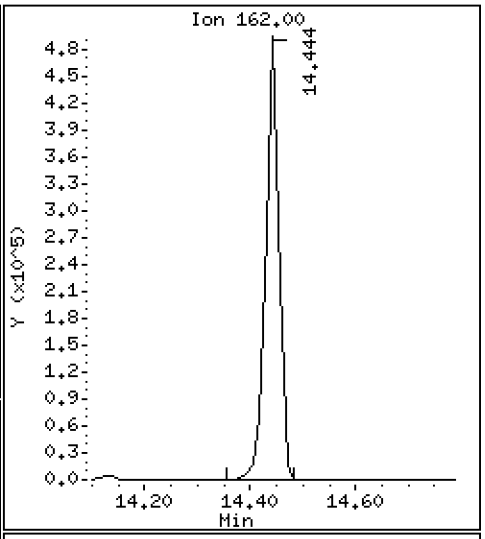
Column phase: ZB-5msi

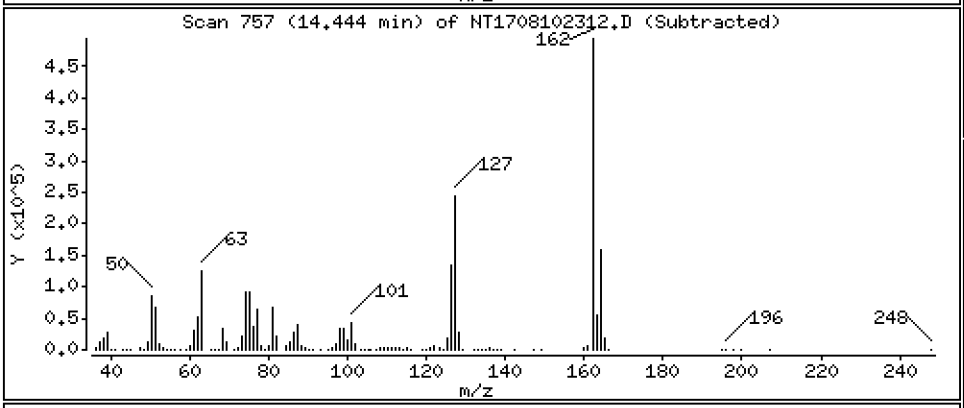
Column diameter: 0.25

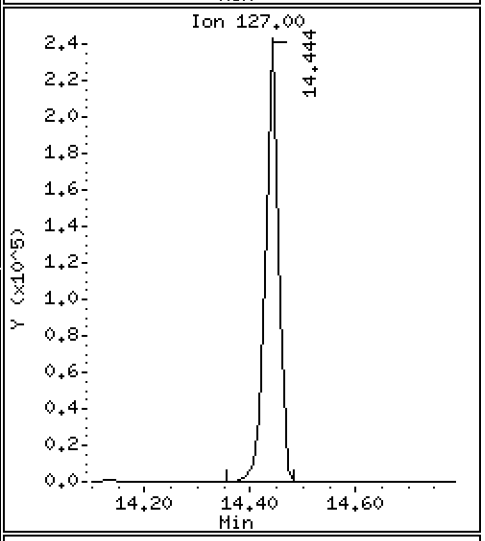
37 2-Chloronaphthalene

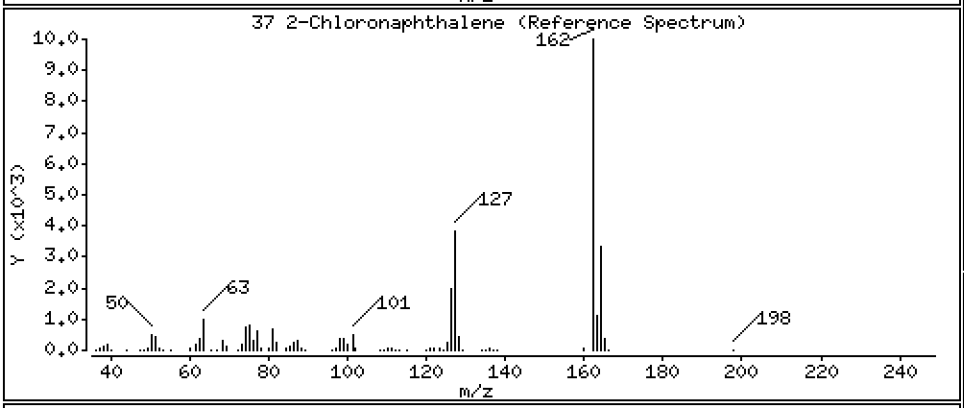
Concentration: 5.507 ug/mL

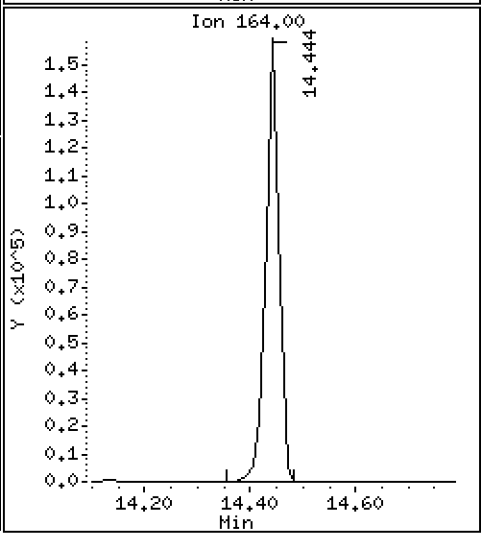


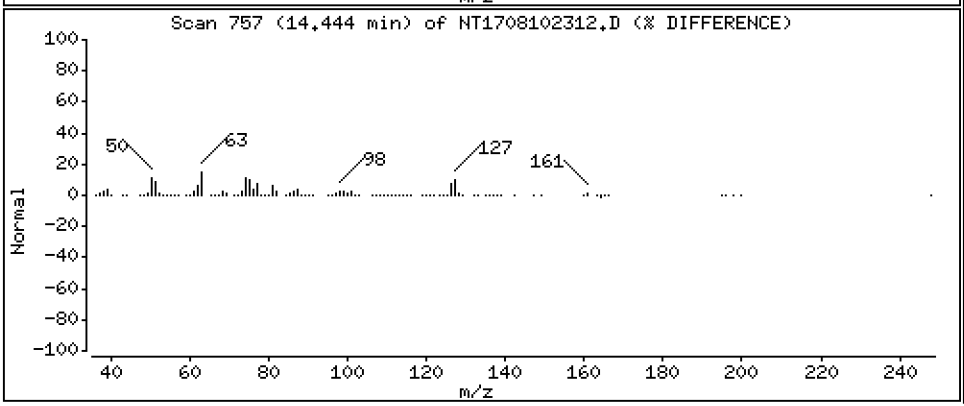












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

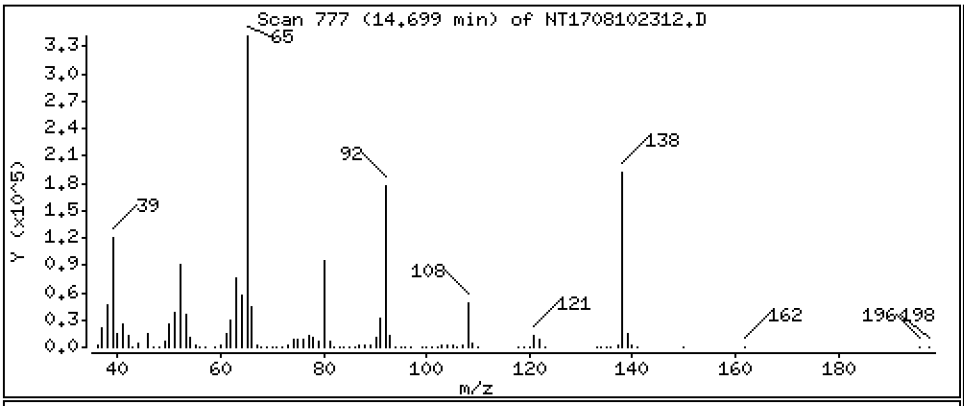
Operator: JGR

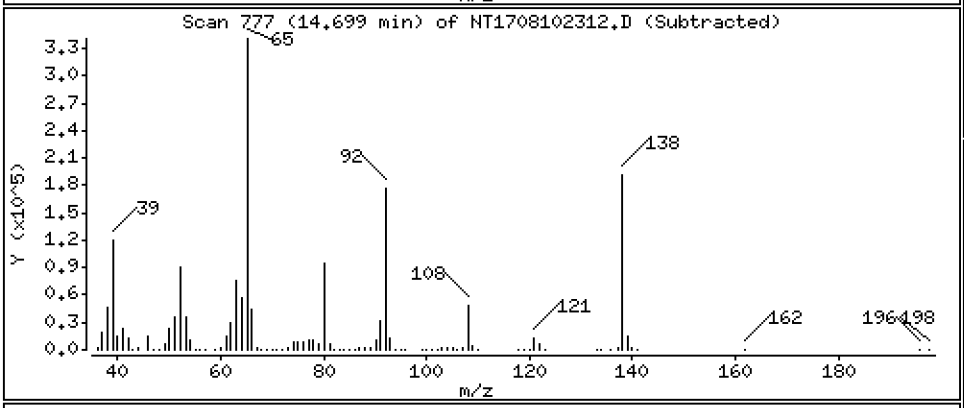
Column phase: ZB-5msi

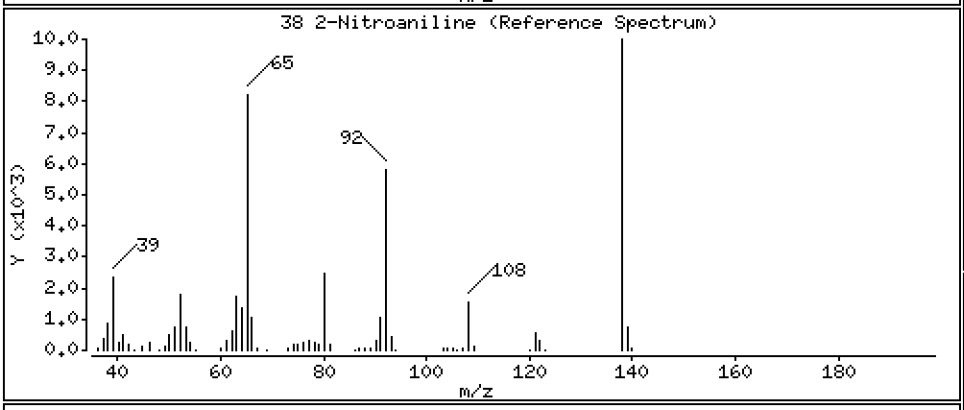
Column diameter: 0.25

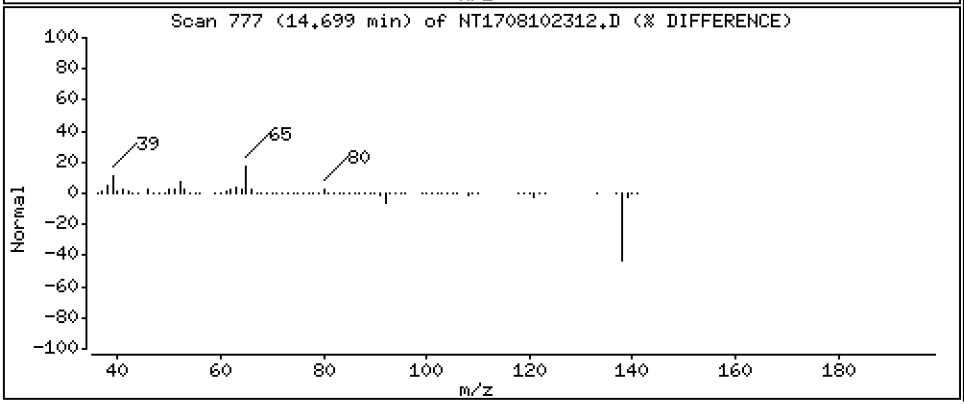
38 2-Nitroaniline

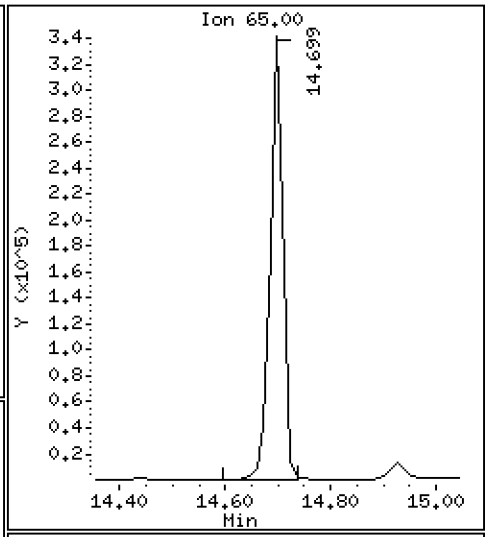
Concentration: 4.630 ug/mL

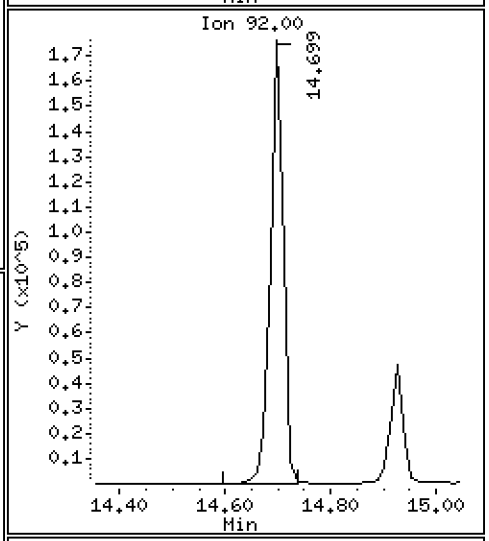


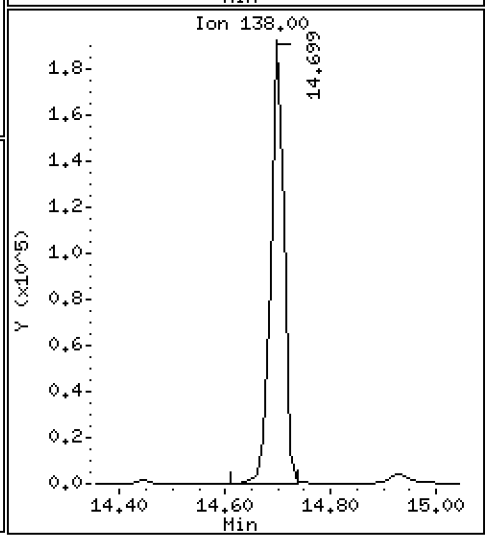












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

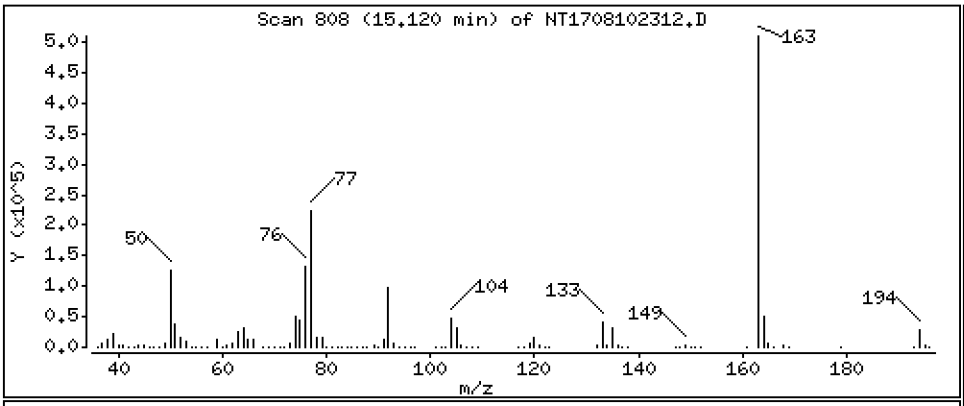
Operator: JGR

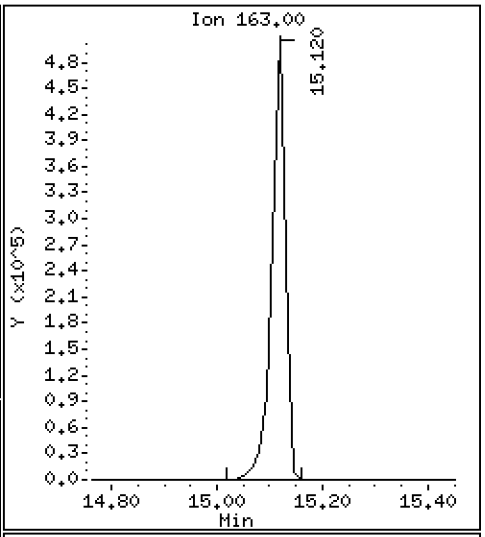
Column phase: ZB-5msi

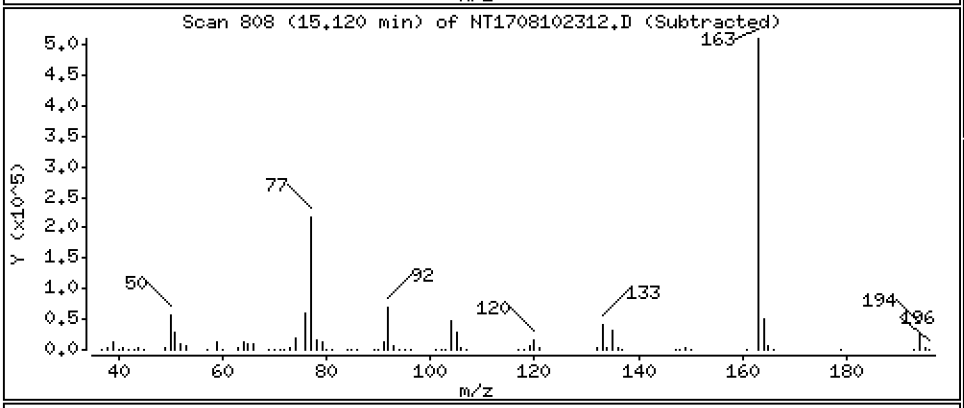
Column diameter: 0.25

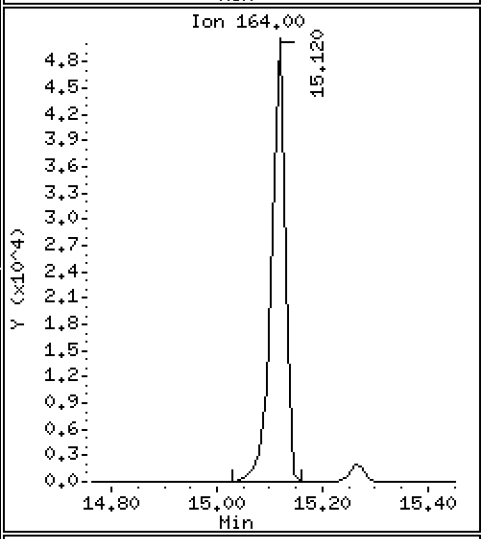
39 Dimethylphthalate

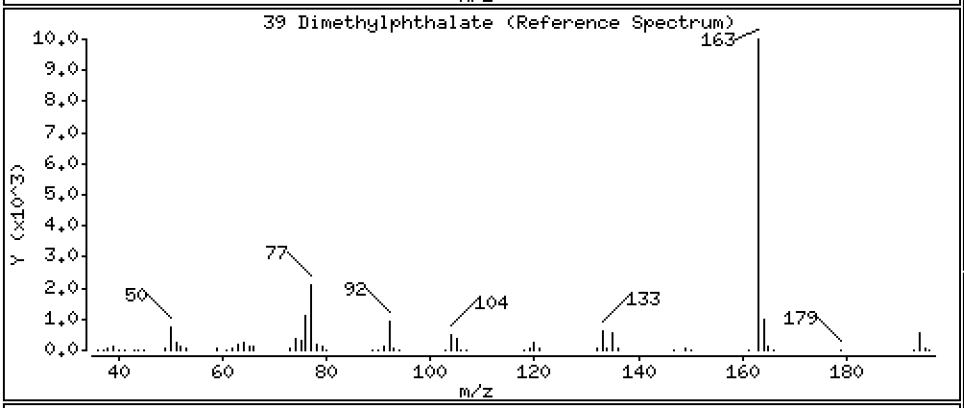
Concentration: 5.665 ug/mL

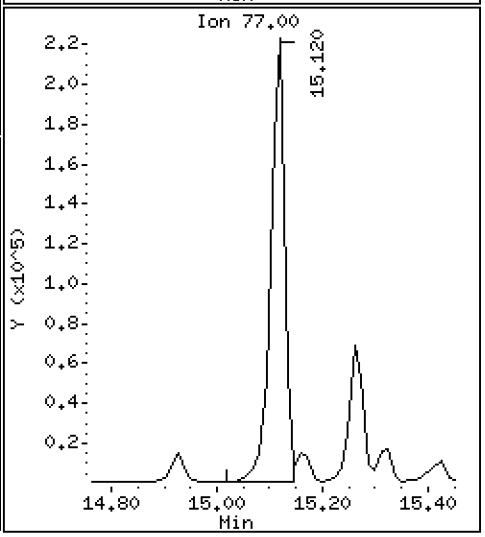


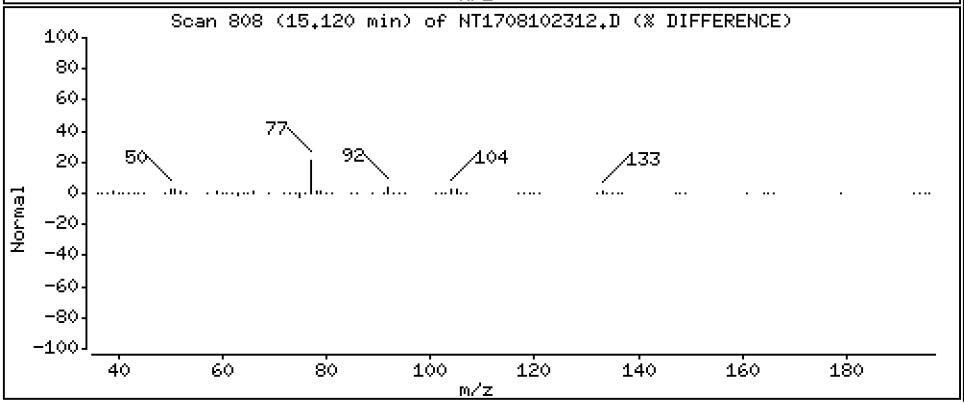












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

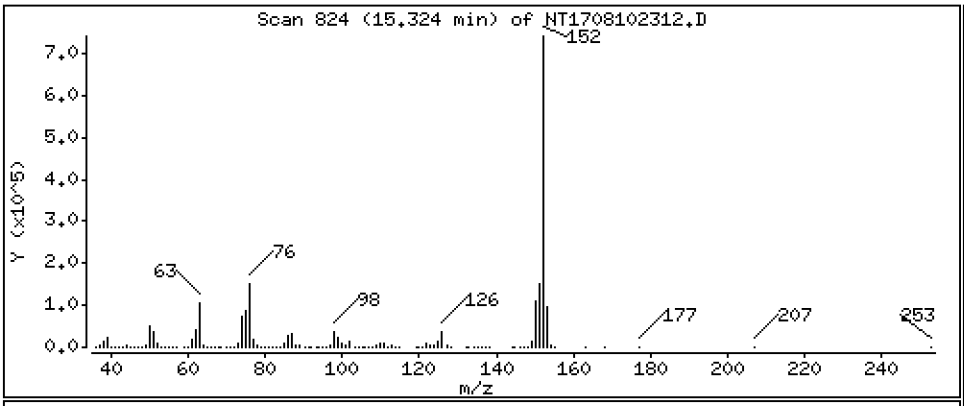
Operator: JGR

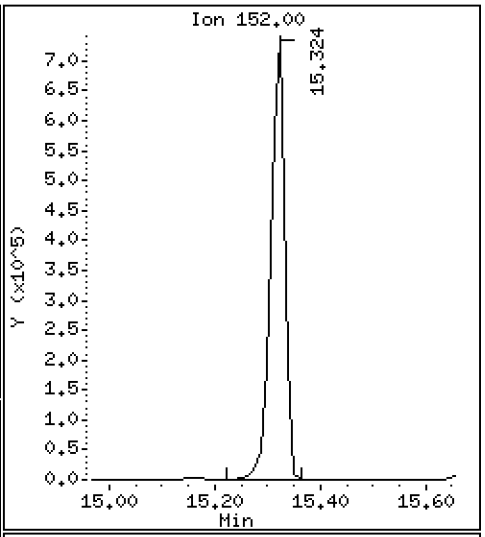
Column phase: ZB-5msi

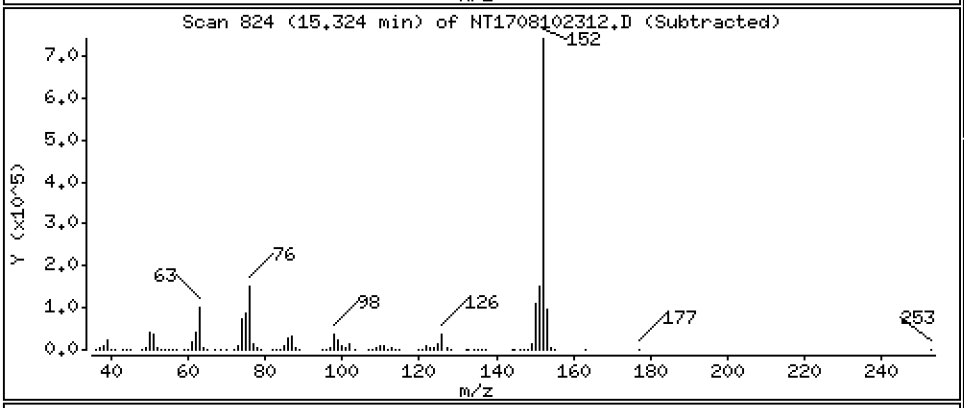
Column diameter: 0.25

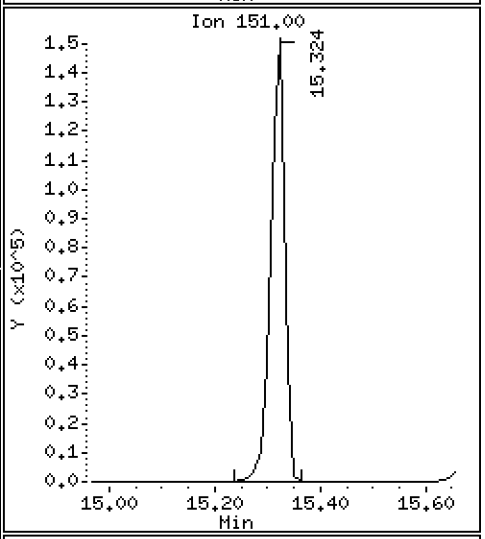
40 Acenaphthylene

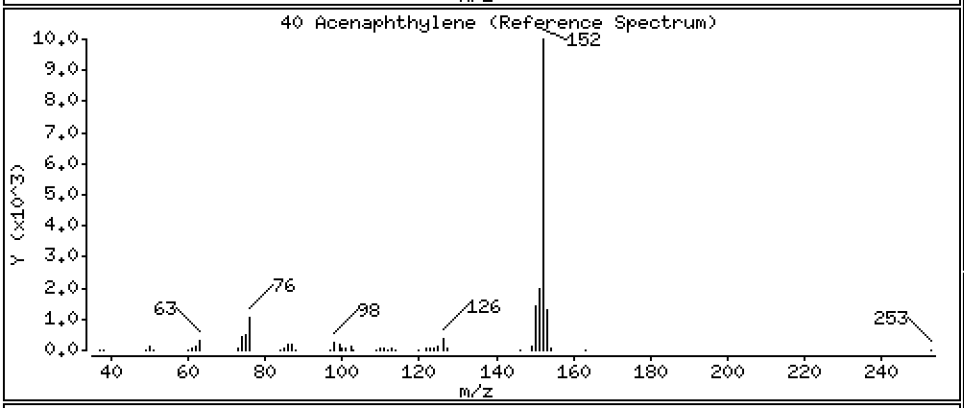
Concentration: 5.818 ug/mL

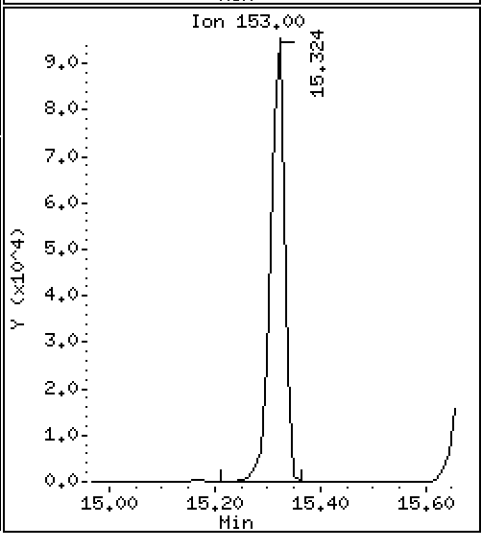


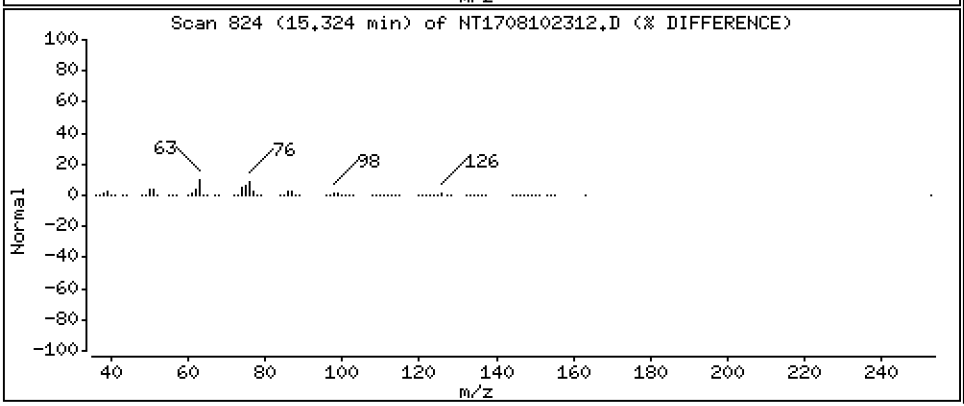












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

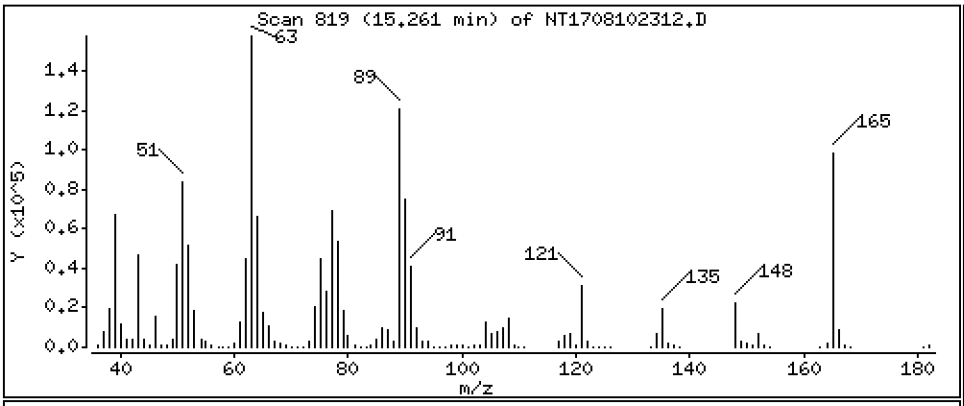
Operator: JGR

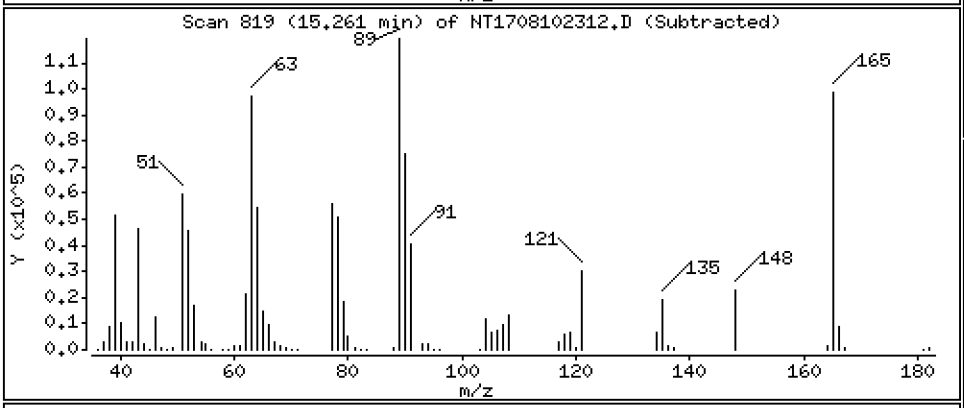
Column phase: ZB-5msi

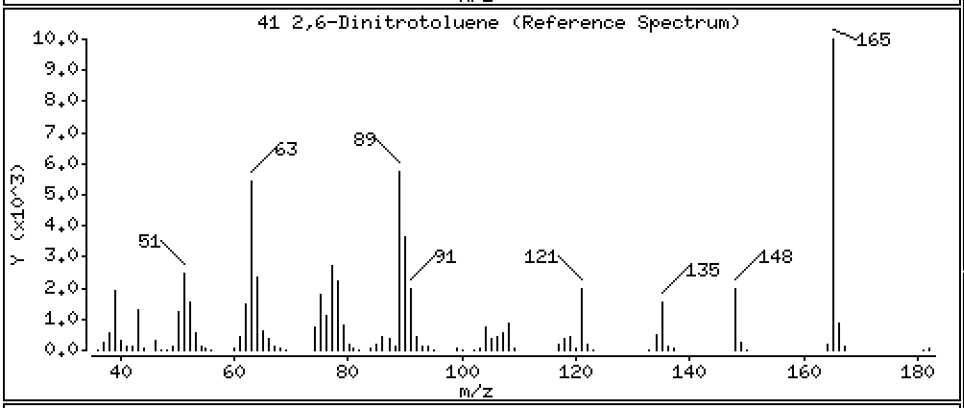
Column diameter: 0.25

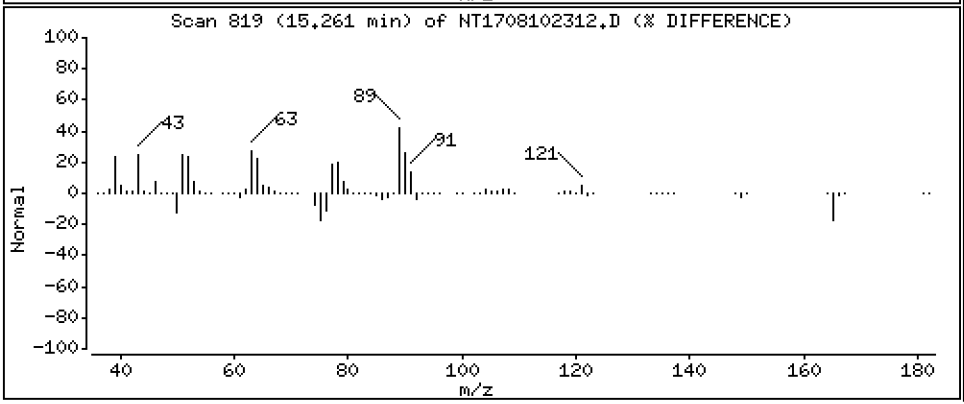
41 2,6-Dinitrotoluene

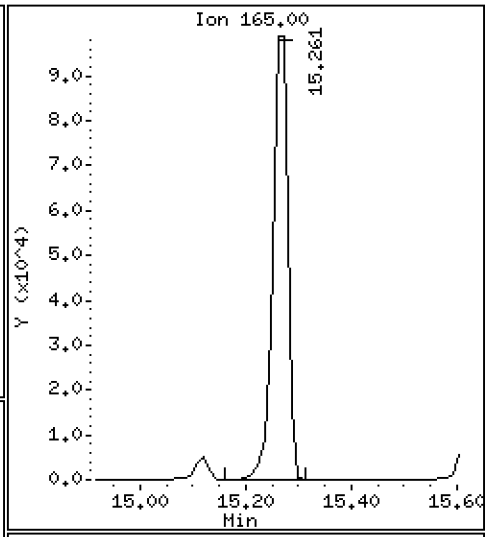
Concentration: 5.757 ug/mL

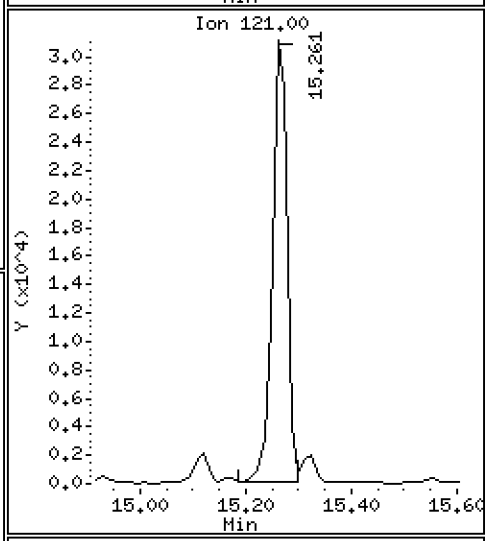


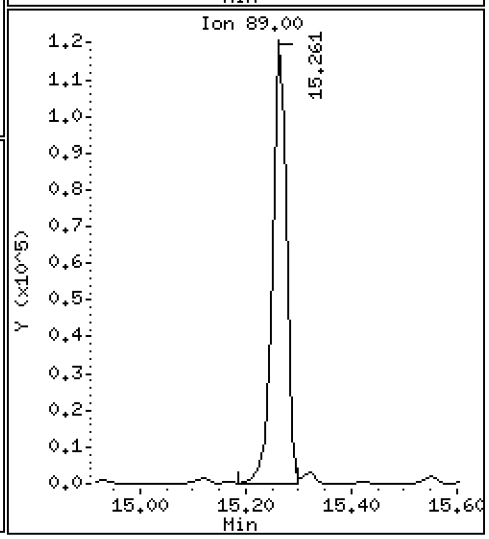












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

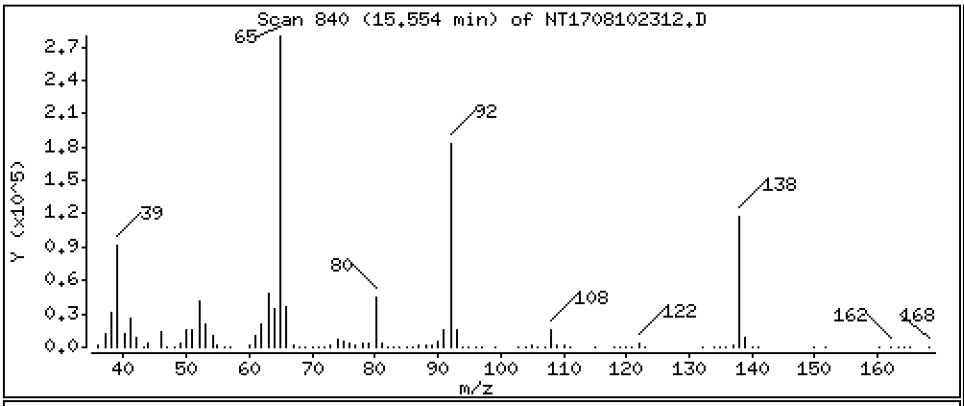
Operator: JGR

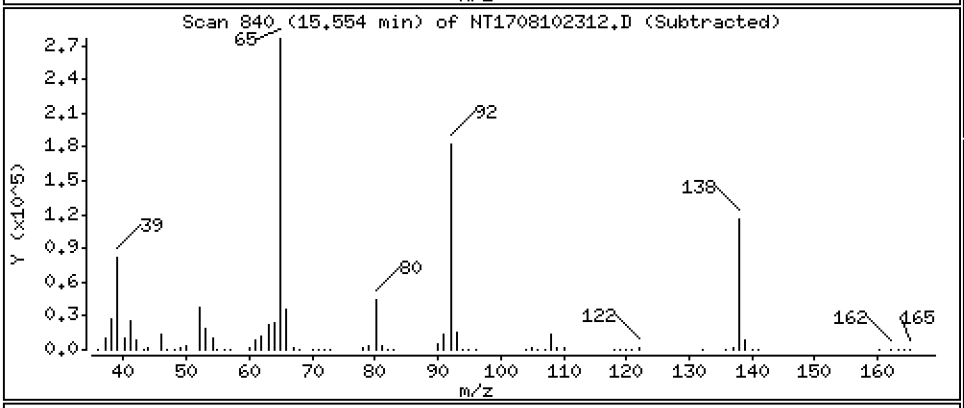
Column phase: ZB-5msi

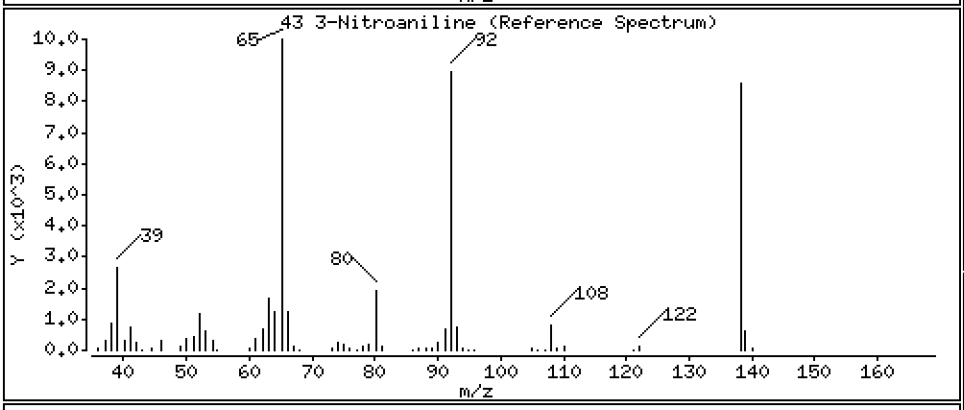
Column diameter: 0.25

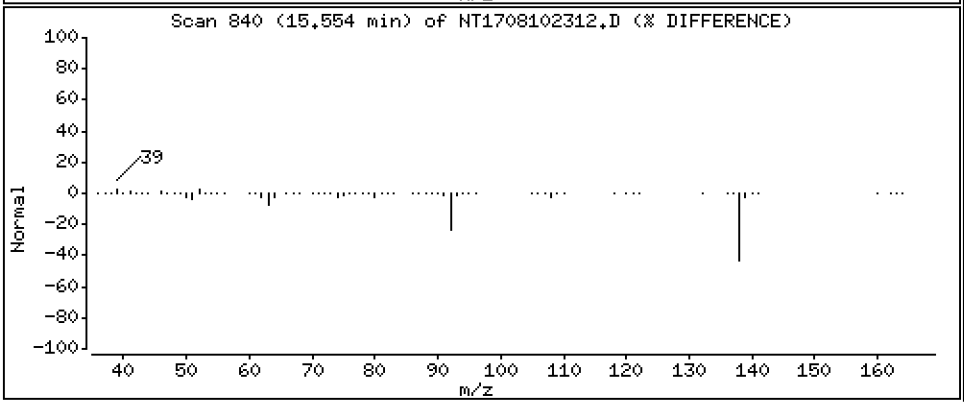
43 3-Nitroaniline

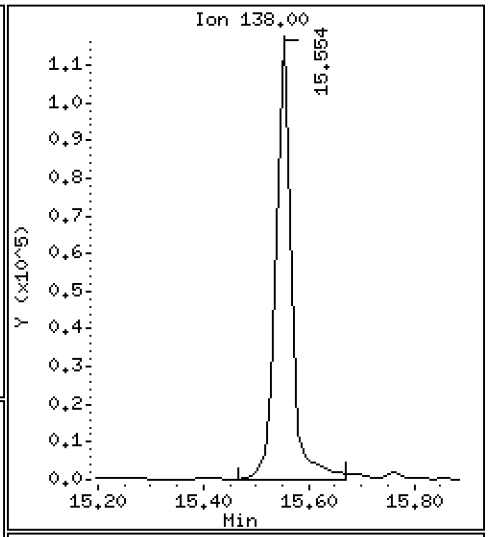
Concentration: 4.284 ug/mL

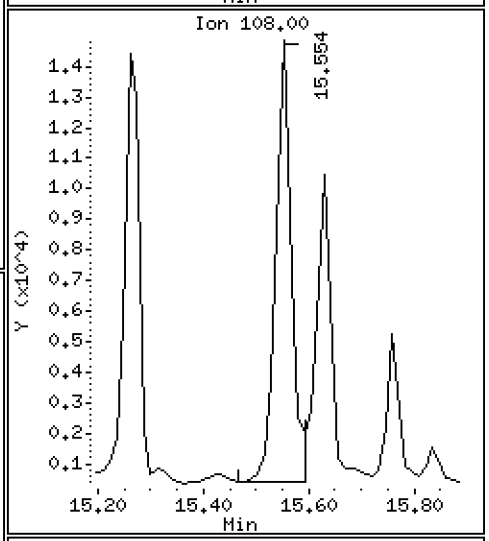


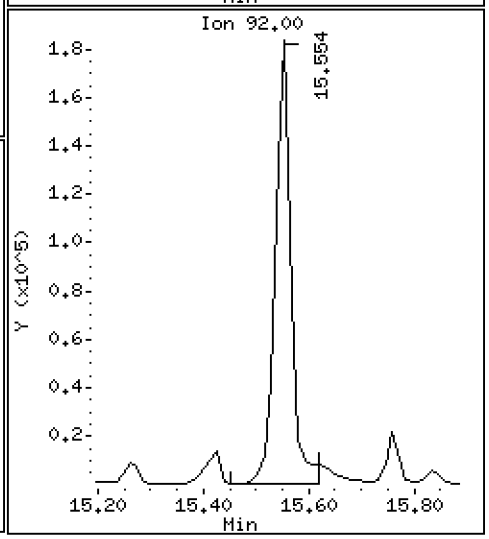












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

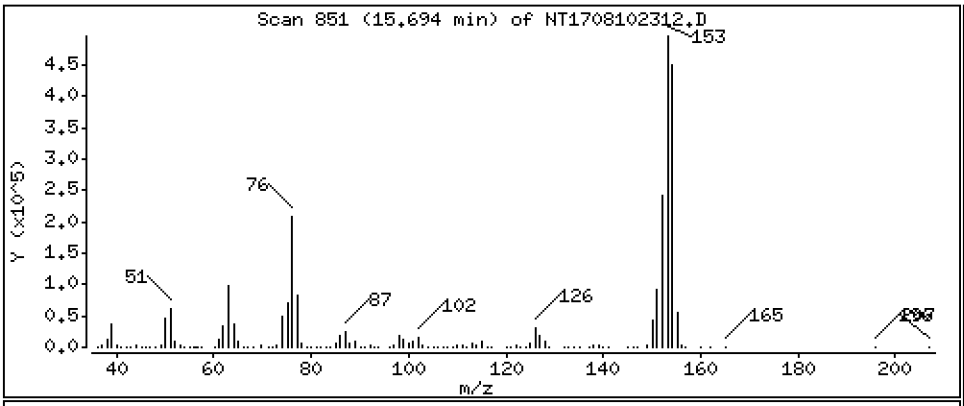
Operator: JGR

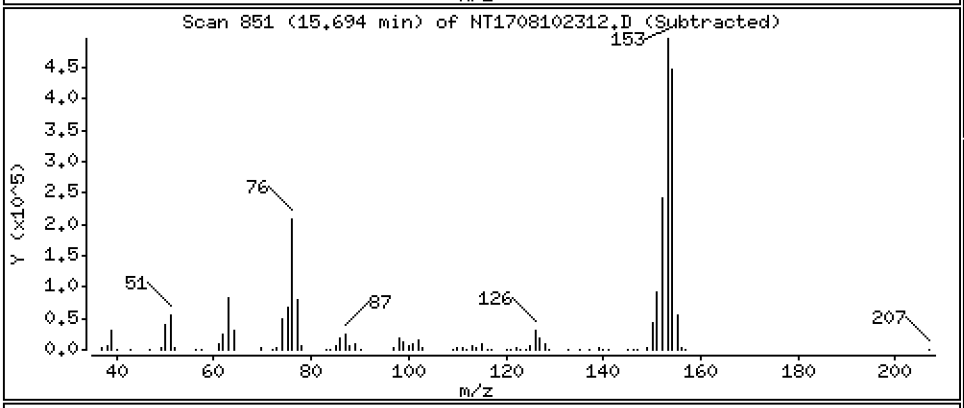
Column phase: ZB-5msi

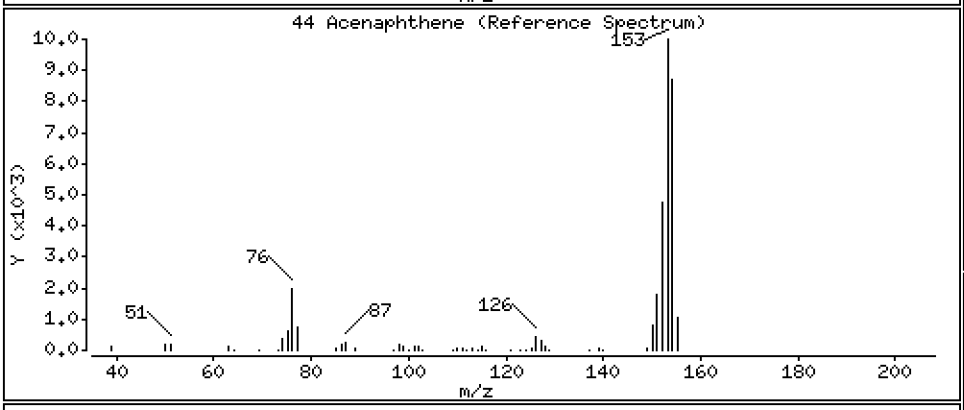
Column diameter: 0.25

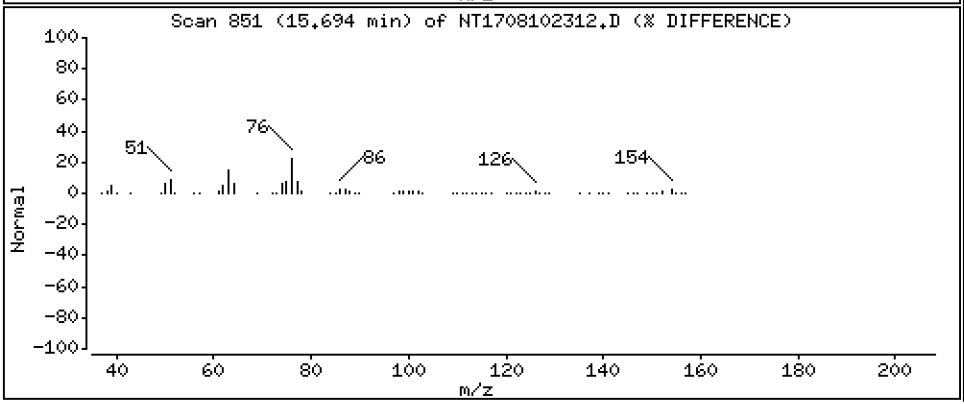
44 Acenaphthene

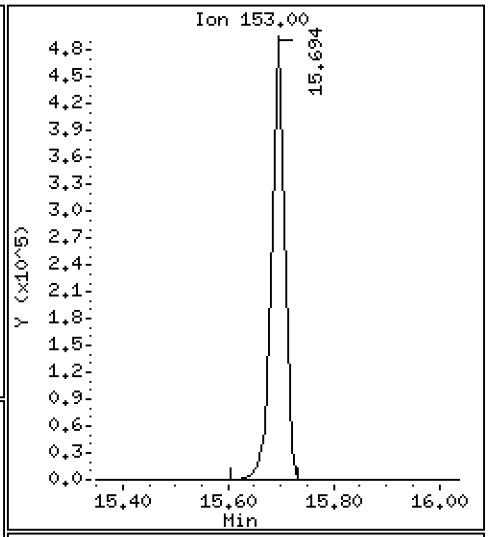
Concentration: 5.768 ug/mL

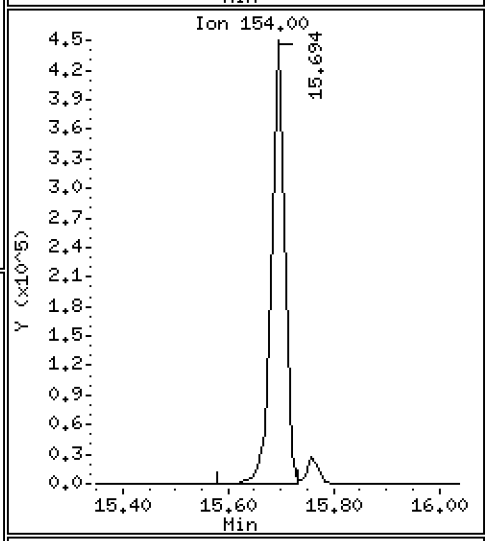


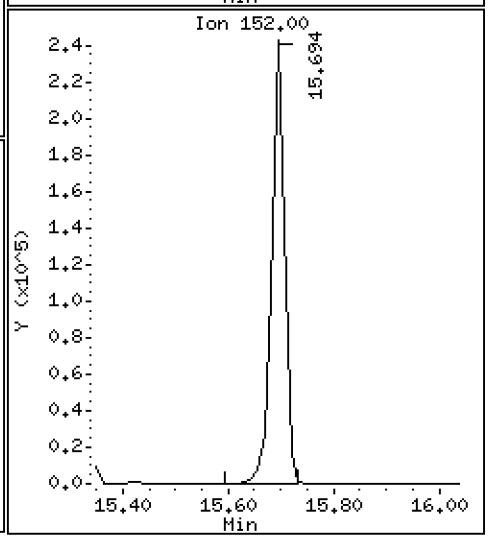












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

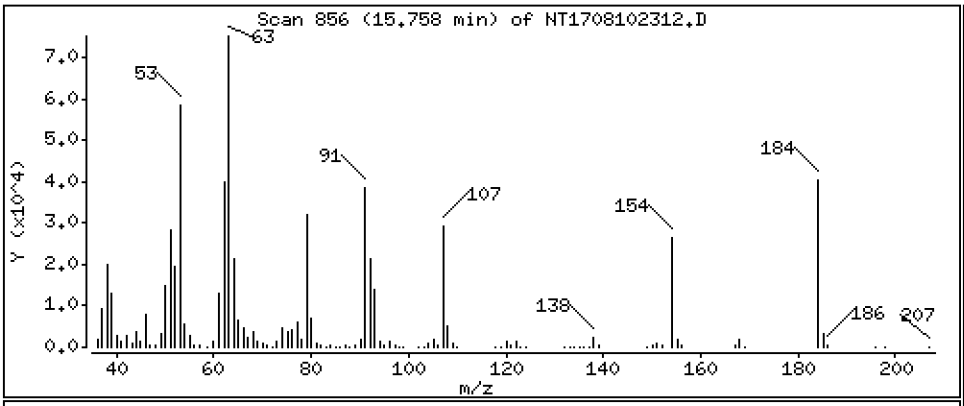
Operator: JGR

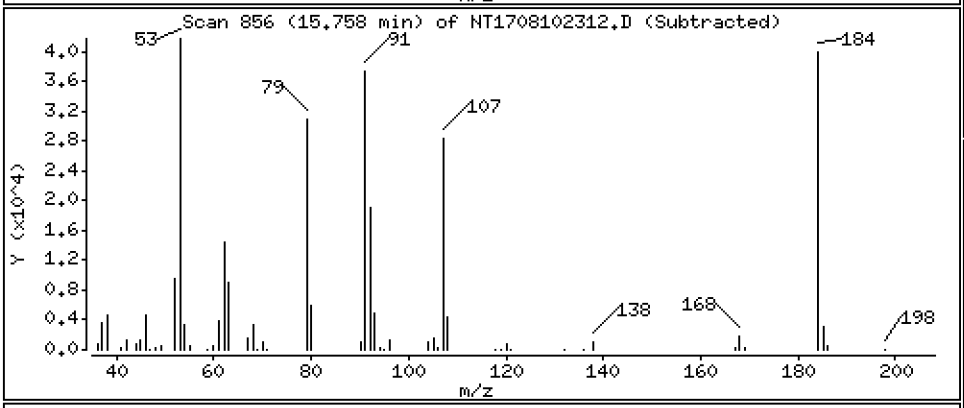
Column phase: ZB-5msi

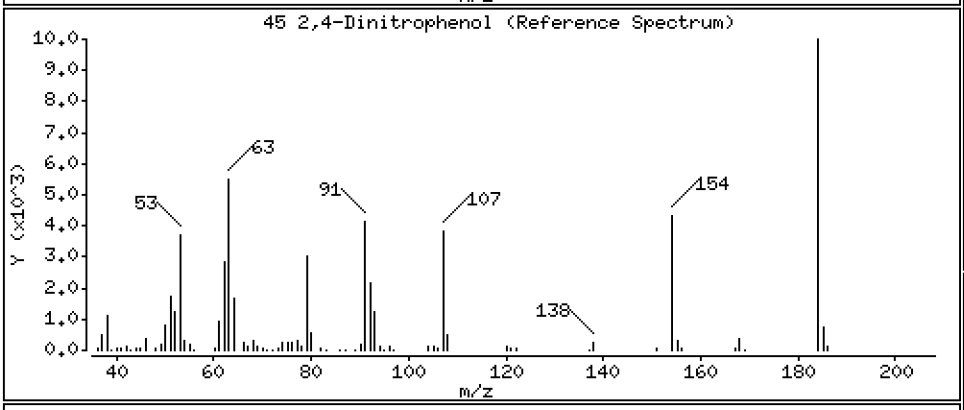
Column diameter: 0.25

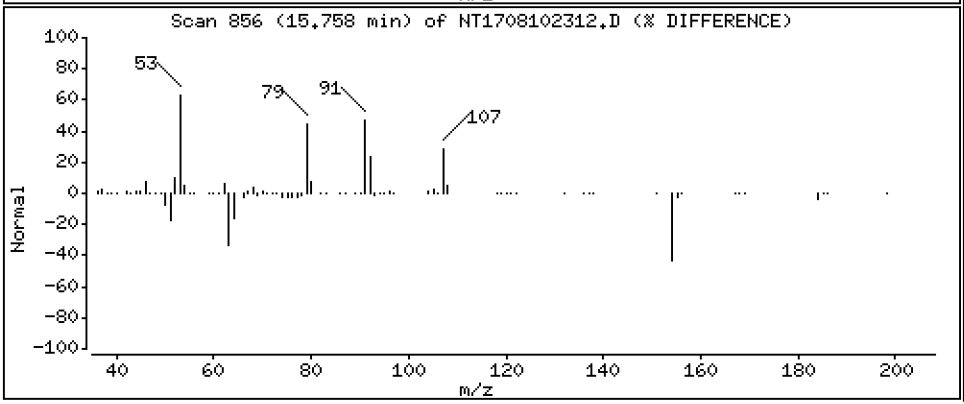
45 2,4-Dinitrophenol

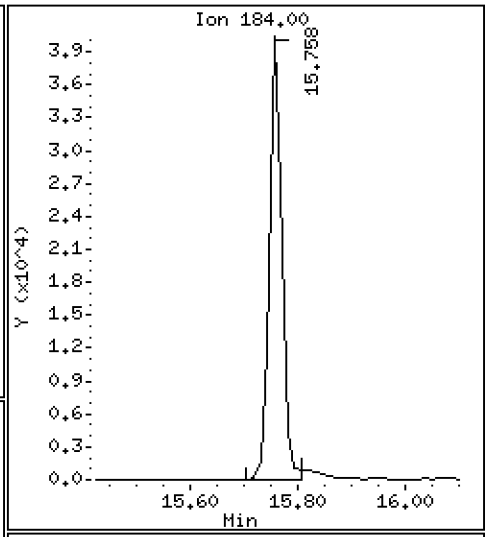
Concentration: 3.268 ug/mL

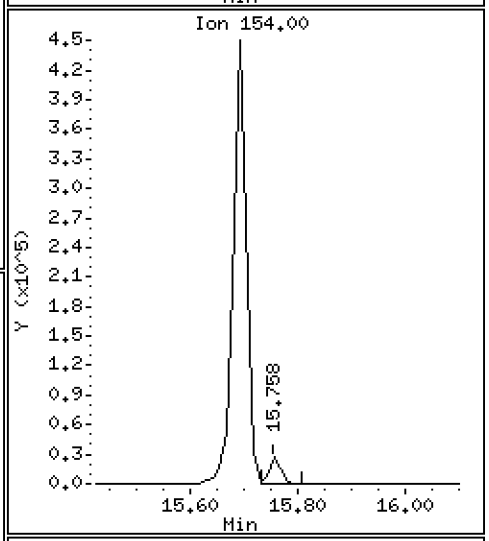


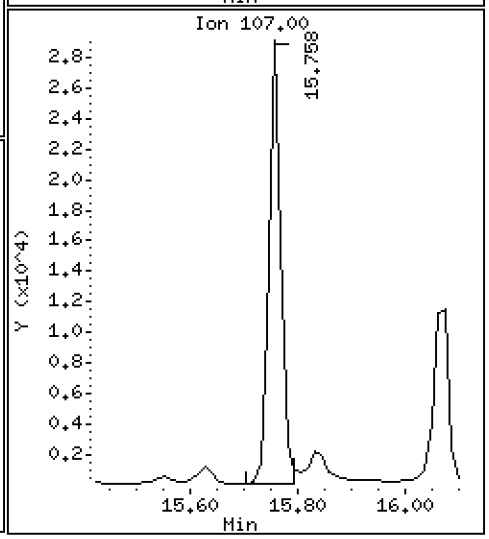












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

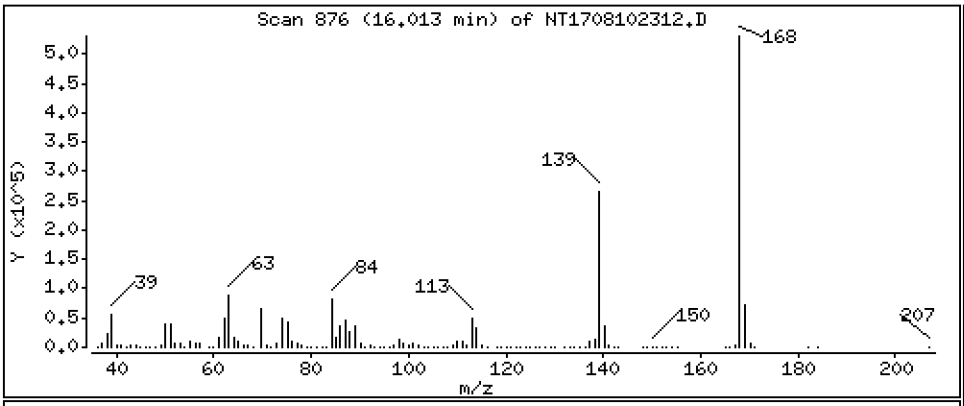
Operator: JGR

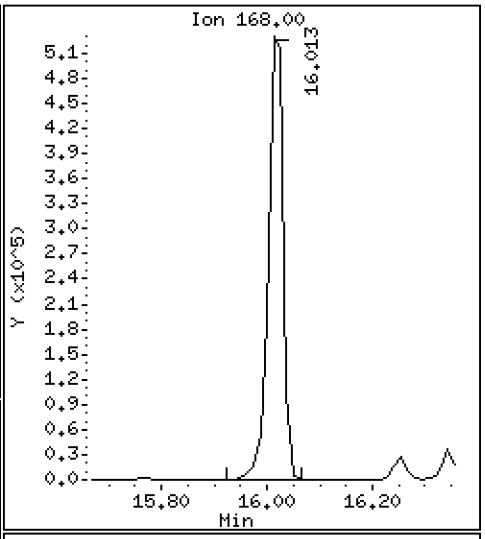
Column phase: ZB-5msi

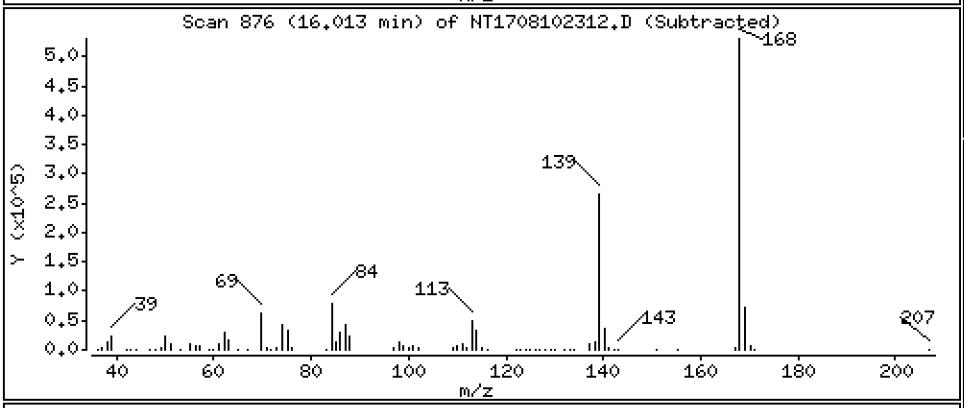
Column diameter: 0.25

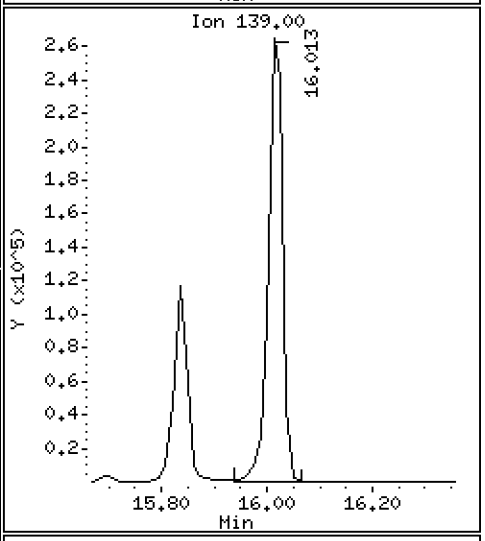
46 Dibenzofuran

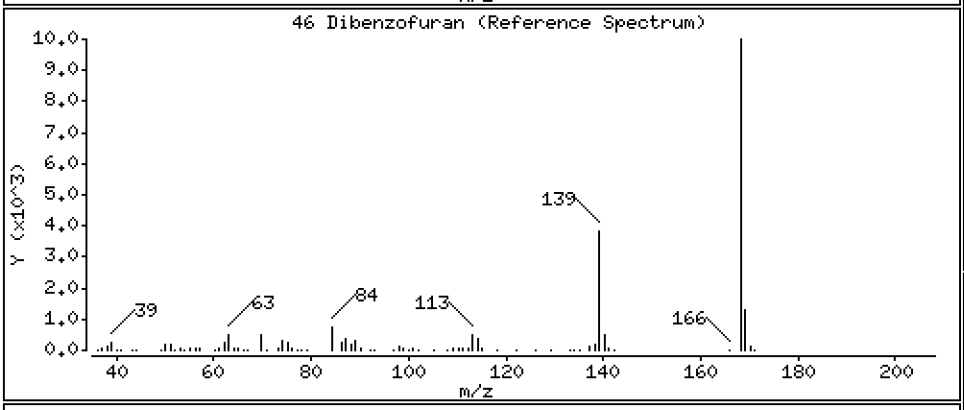
Concentration: 5.407 ug/mL

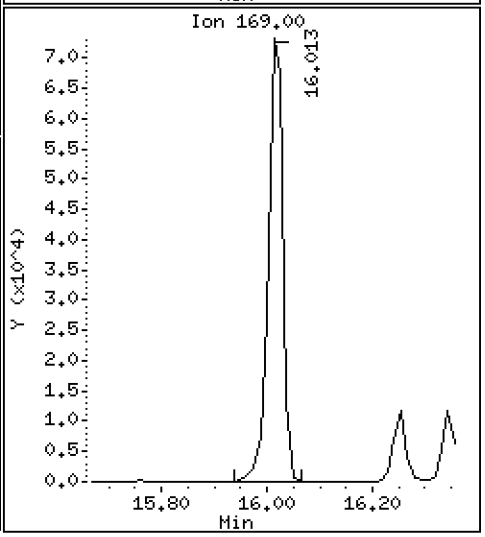


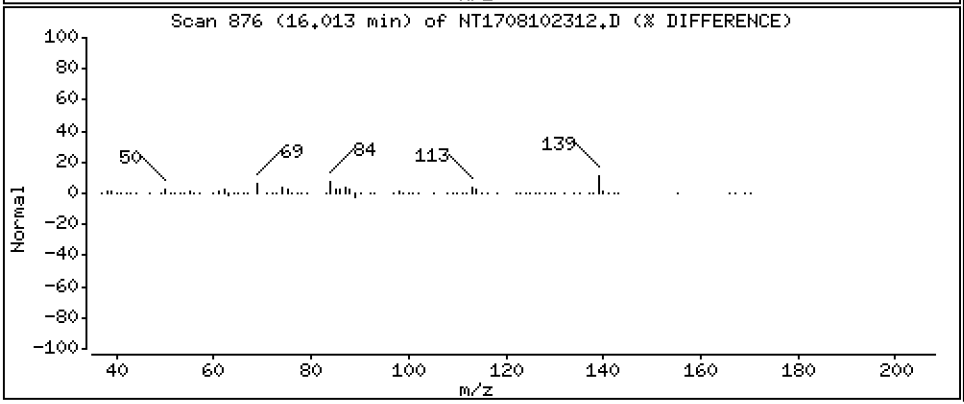












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

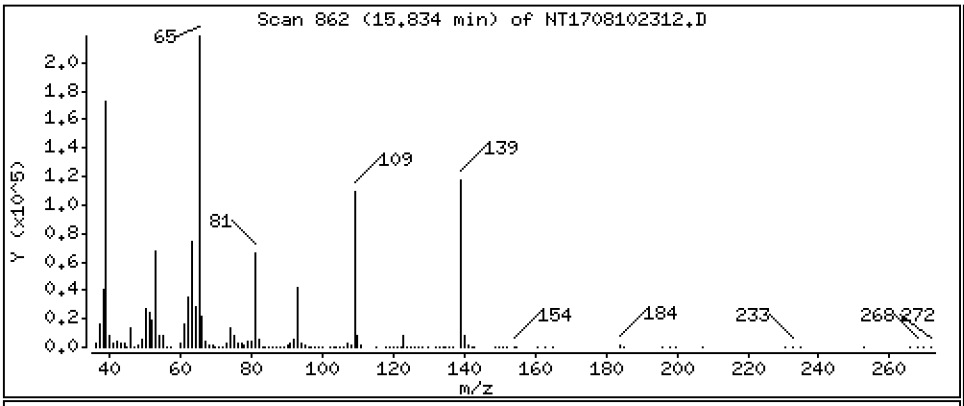
Operator: JGR

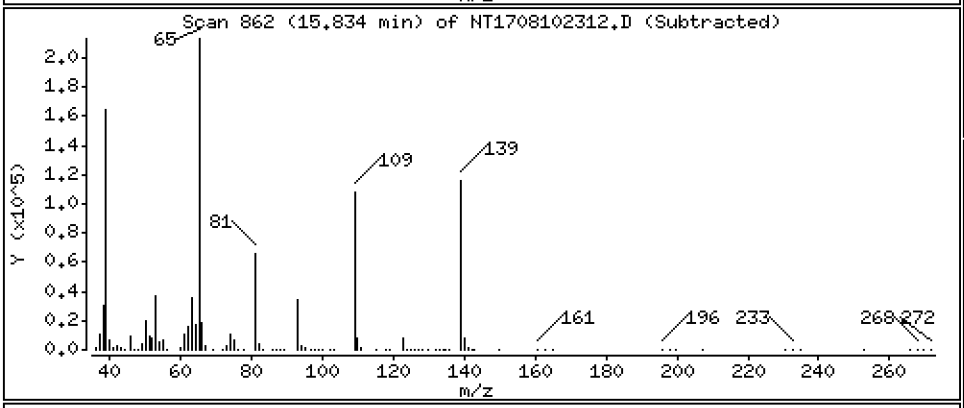
Column phase: ZB-5msi

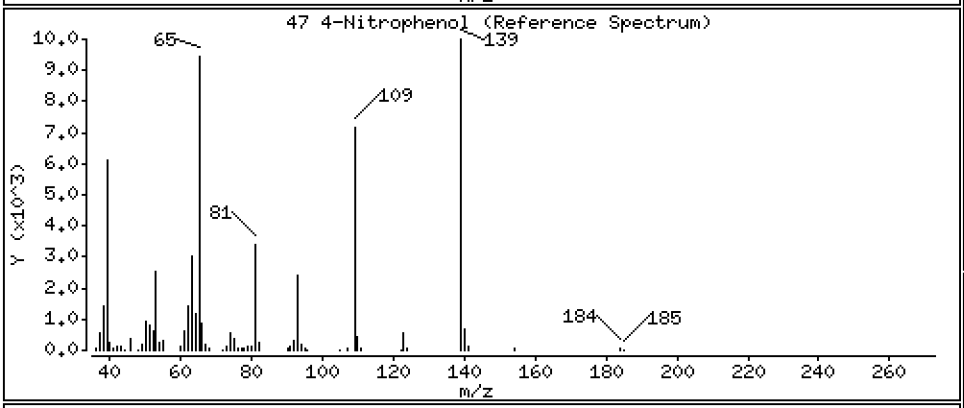
Column diameter: 0.25

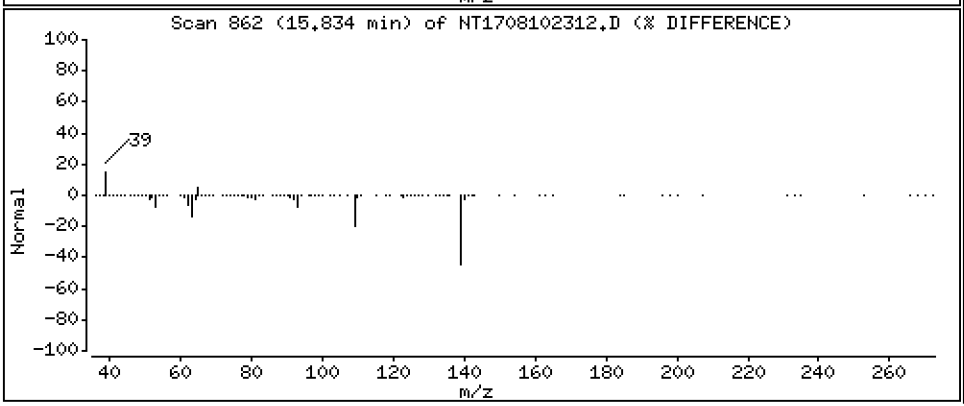
47 4-Nitrophenol

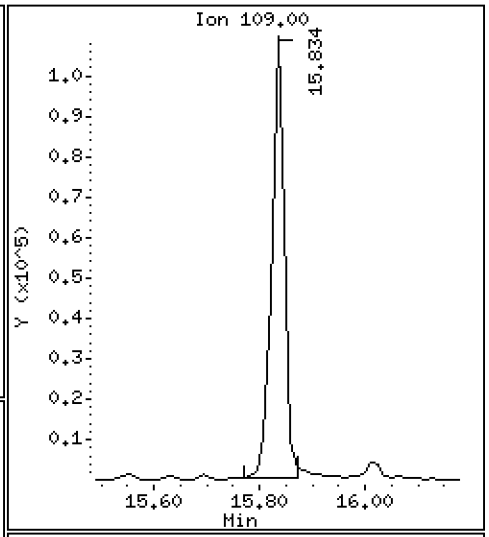
Concentration: 4.556 ug/mL

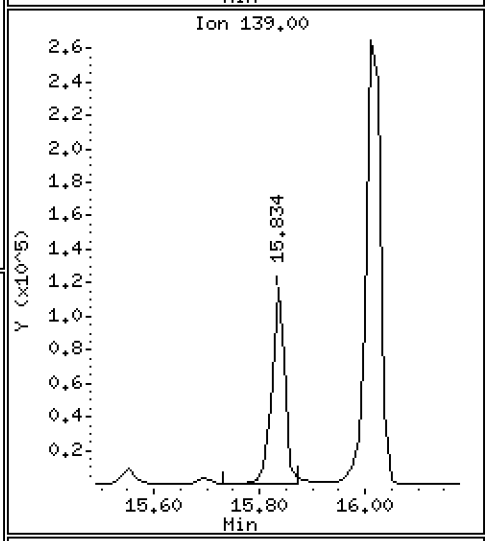


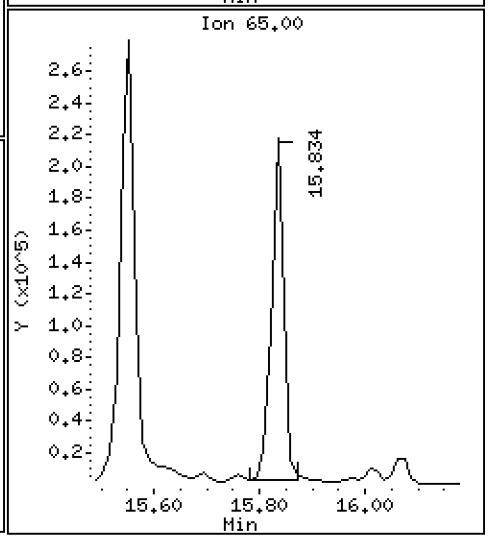












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

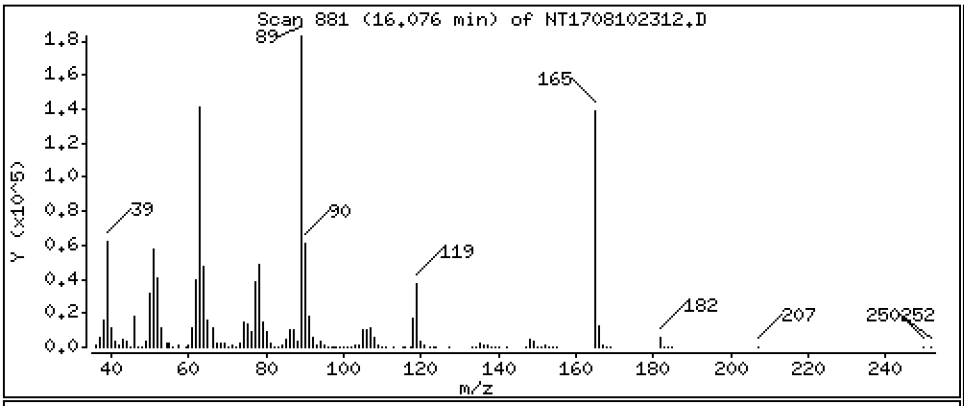
Operator: JGR

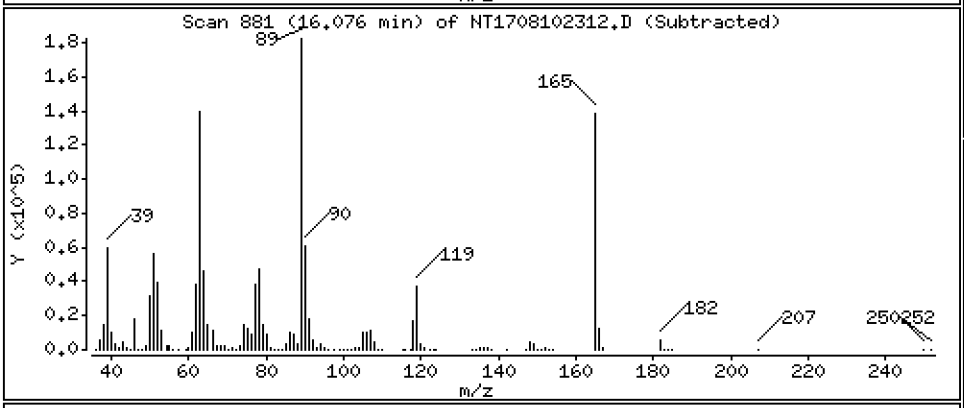
Column phase: ZB-5msi

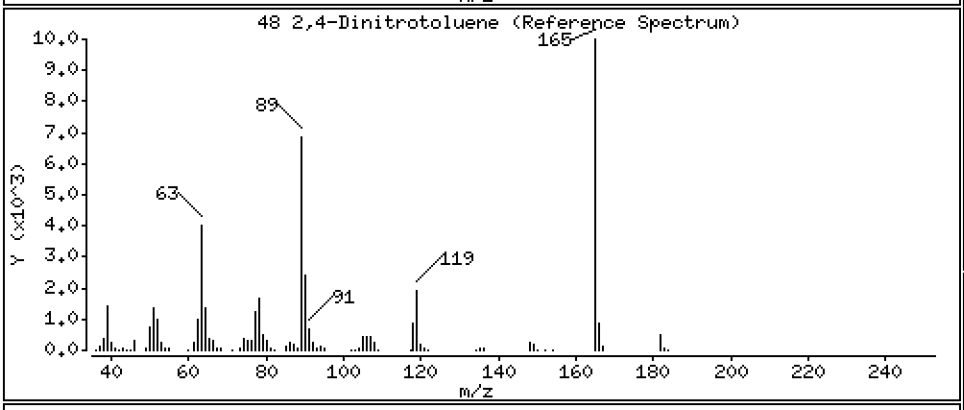
Column diameter: 0.25

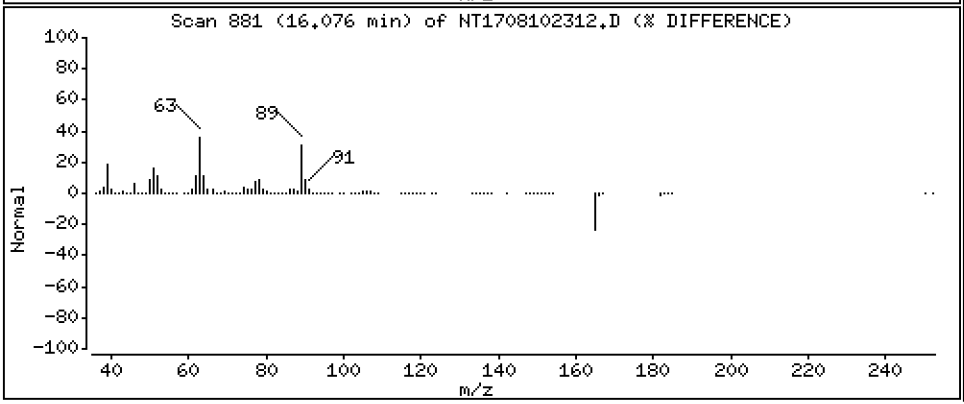
48 2,4-Dinitrotoluene

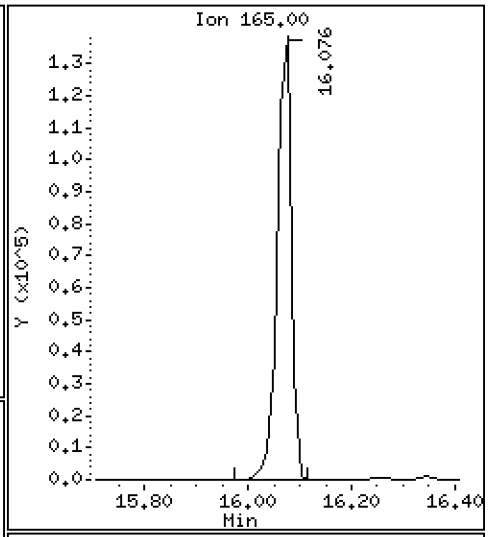
Concentration: 4.762 ug/mL

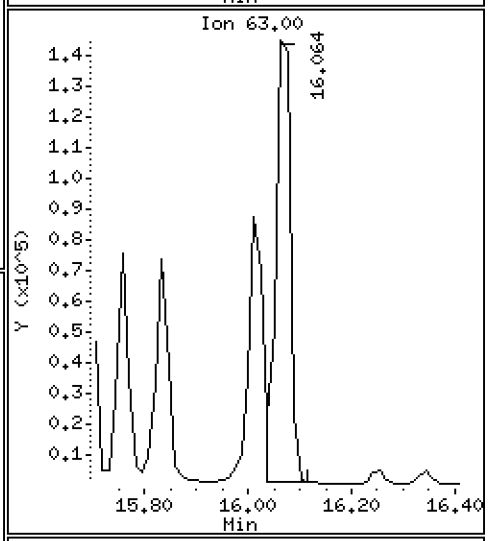


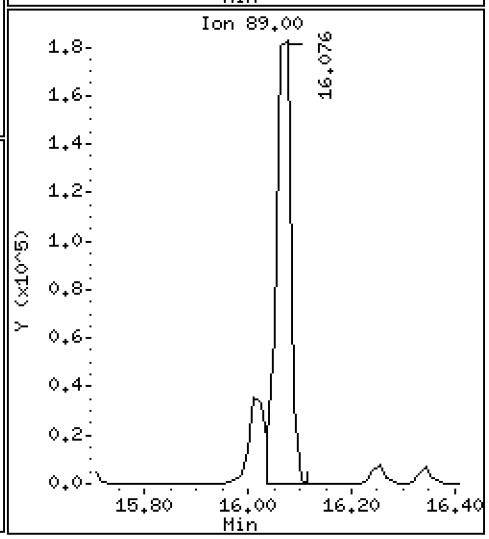












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

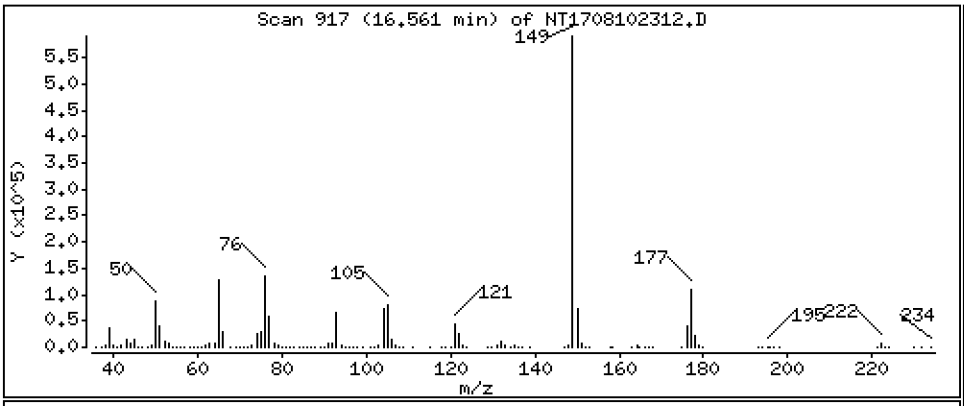
Operator: JGR

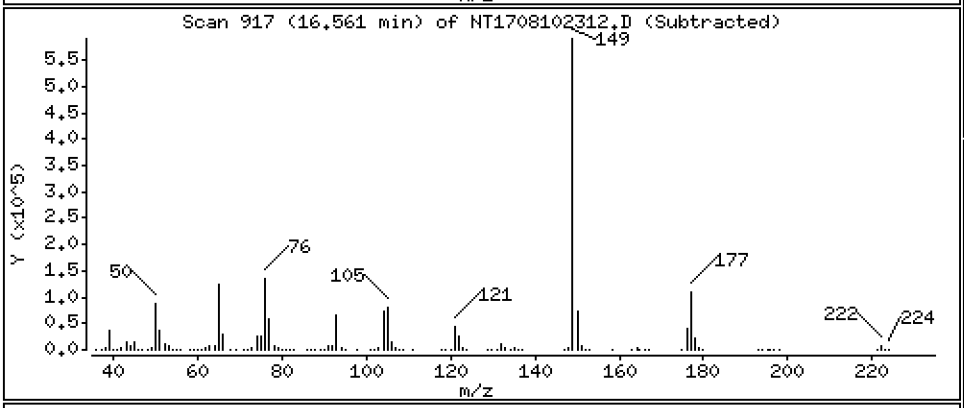
Column phase: ZB-5msi

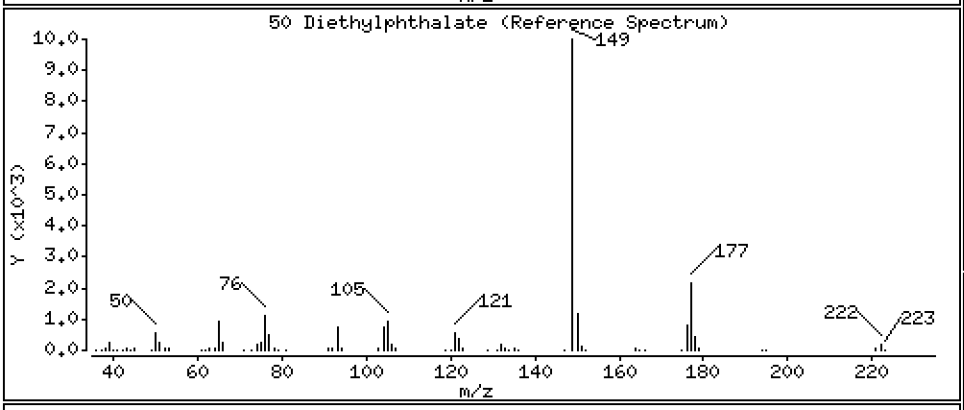
Column diameter: 0.25

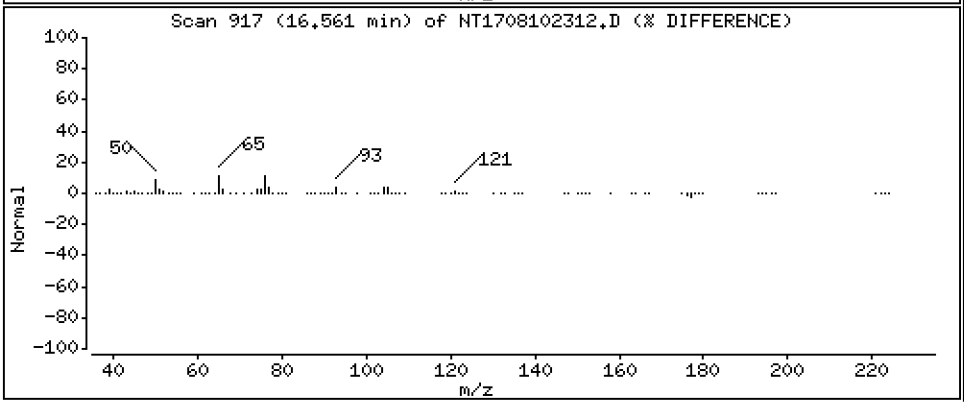
50 Diethylphthalate

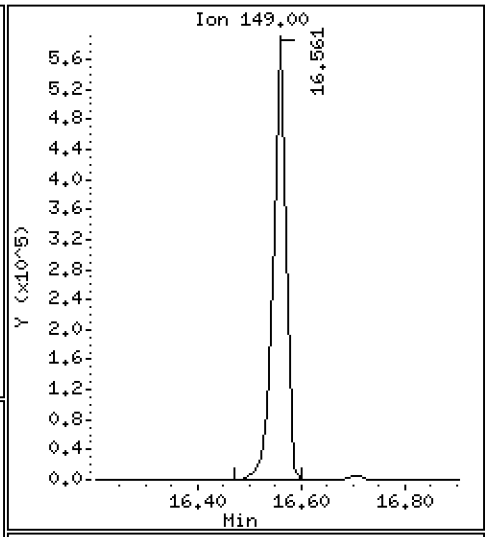
Concentration: 4.848 ug/mL

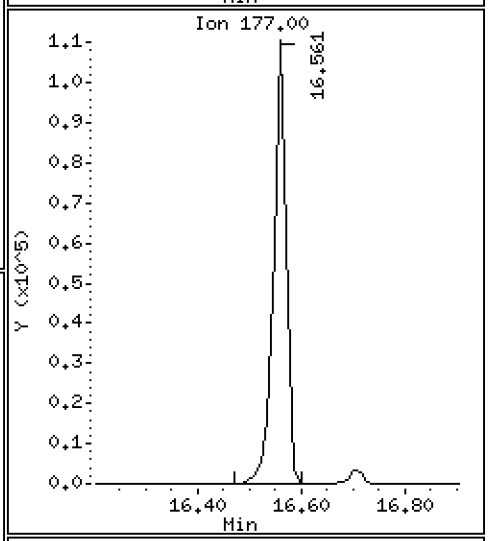


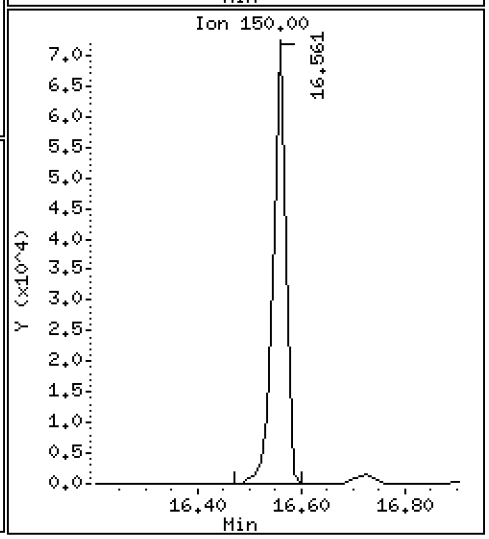












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

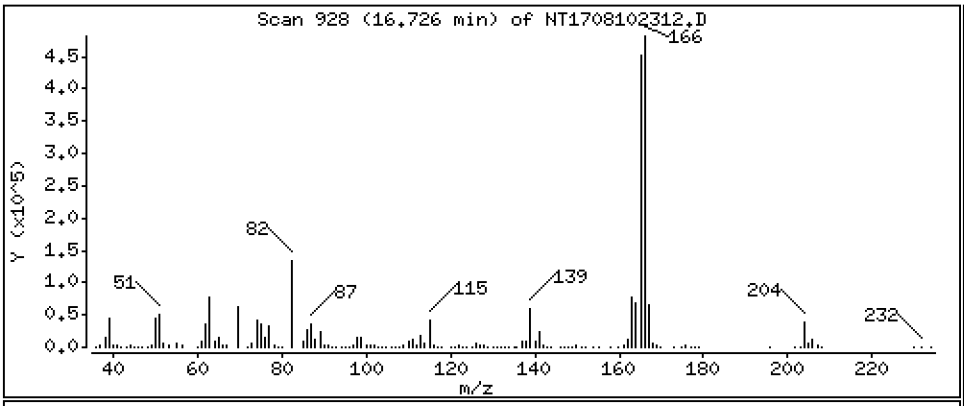
Operator: JGR

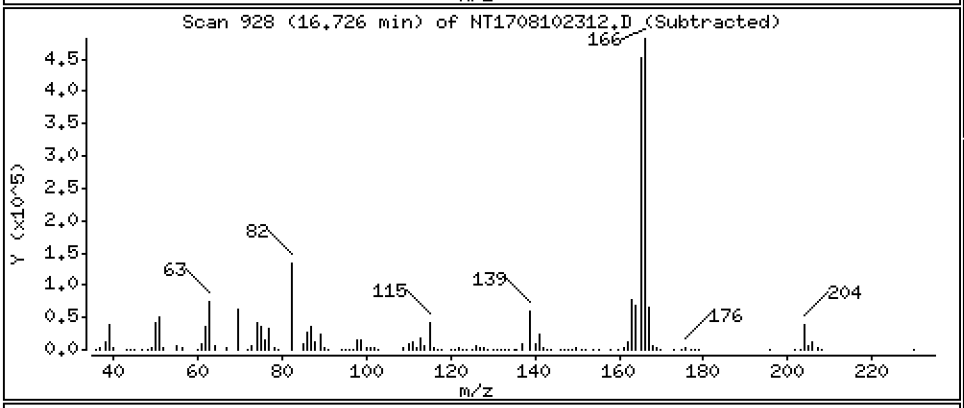
Column phase: ZB-5msi

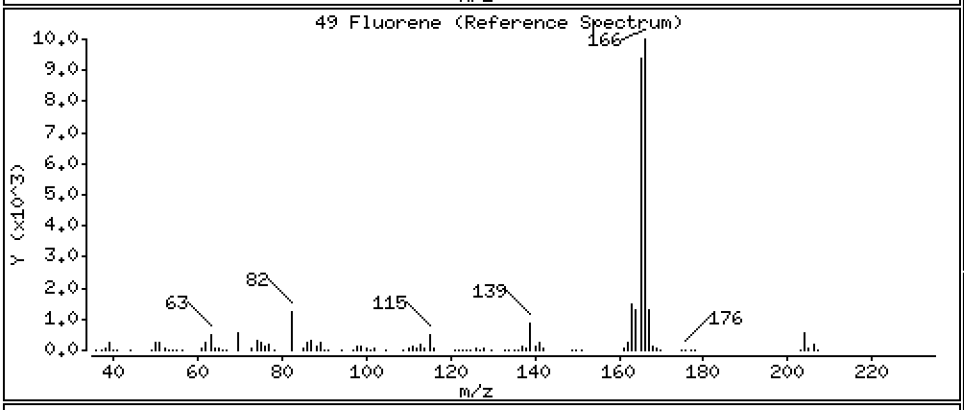
Column diameter: 0.25

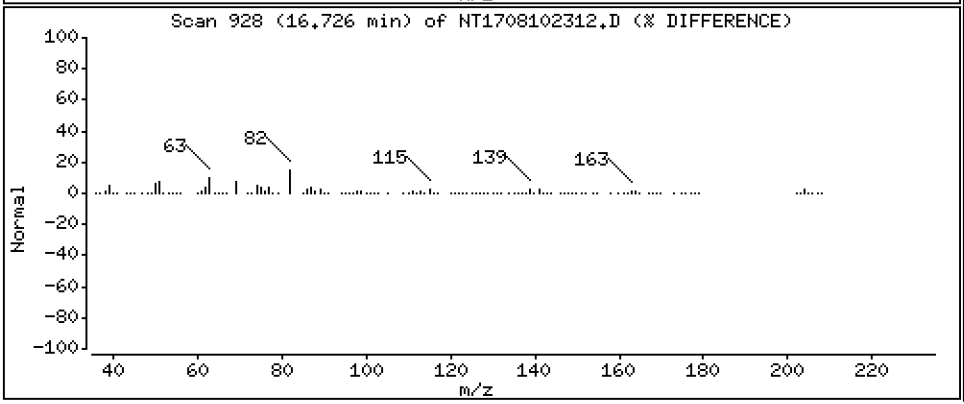
49 Fluorene

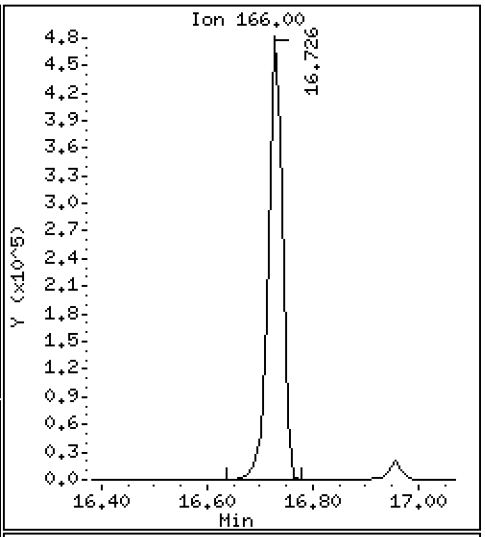
Concentration: 5.565 ug/mL

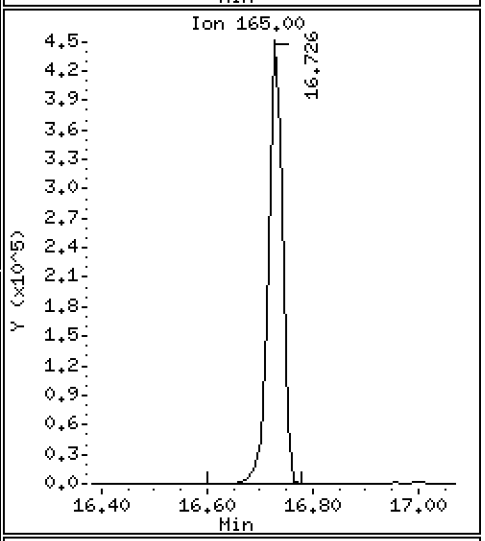


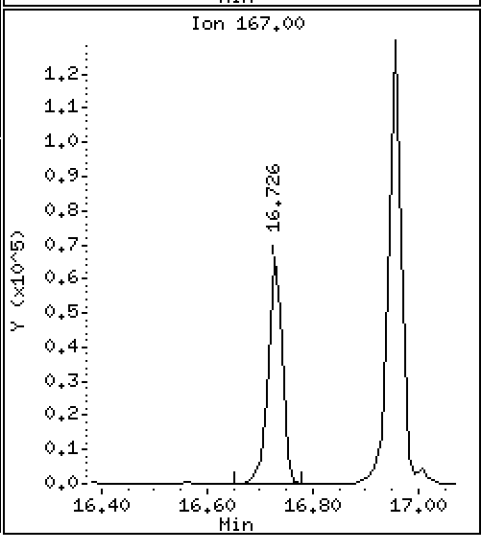












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

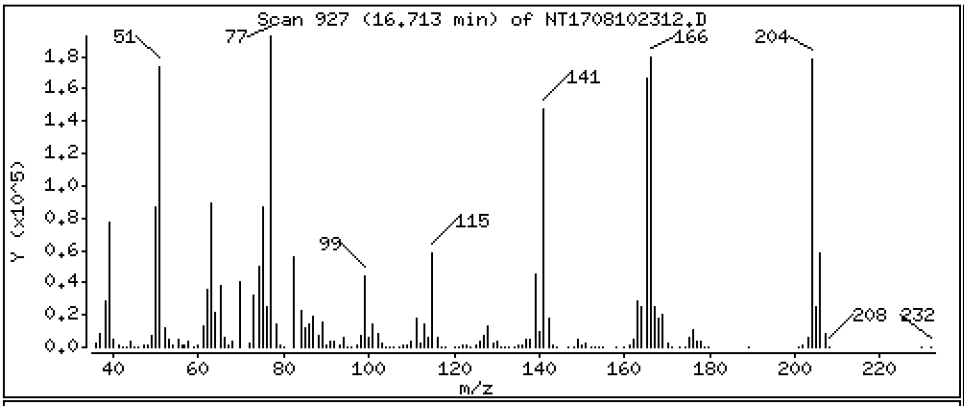
Operator: JGR

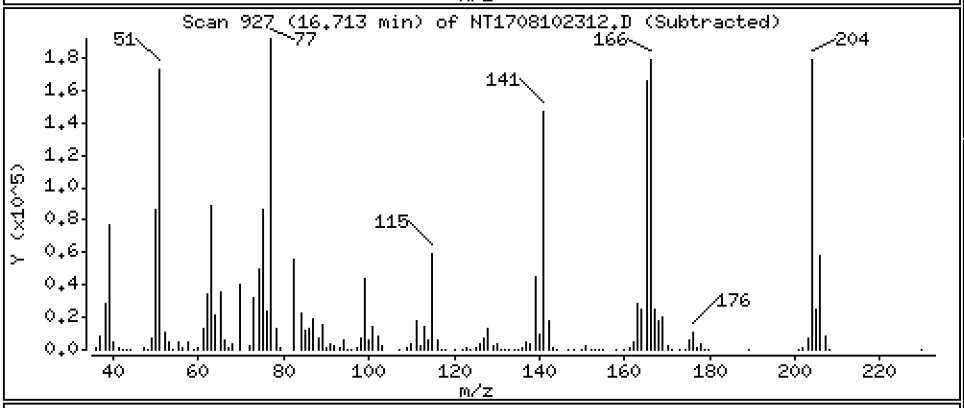
Column phase: ZB-5msi

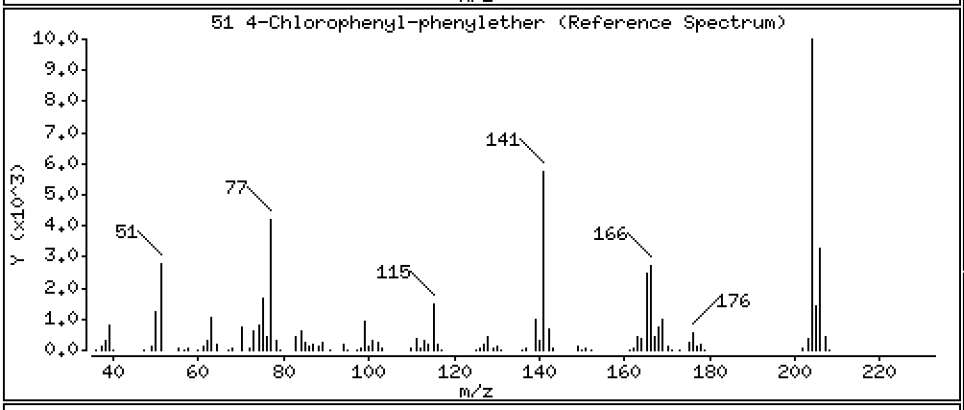
Column diameter: 0.25

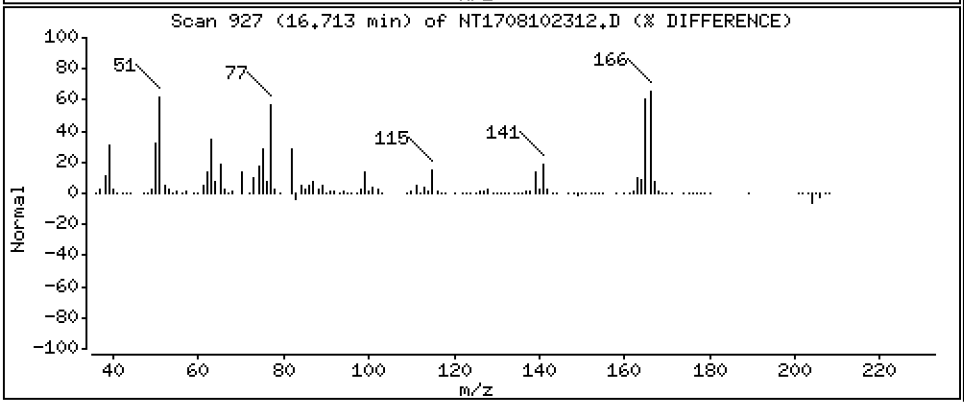
51 4-Chlorophenyl-phenylether

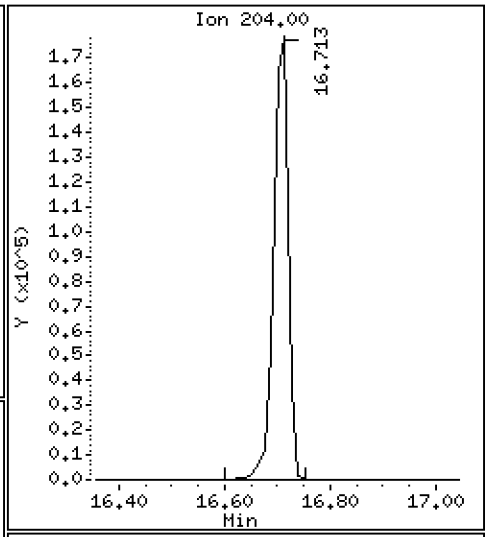
Concentration: 5.720 ug/mL

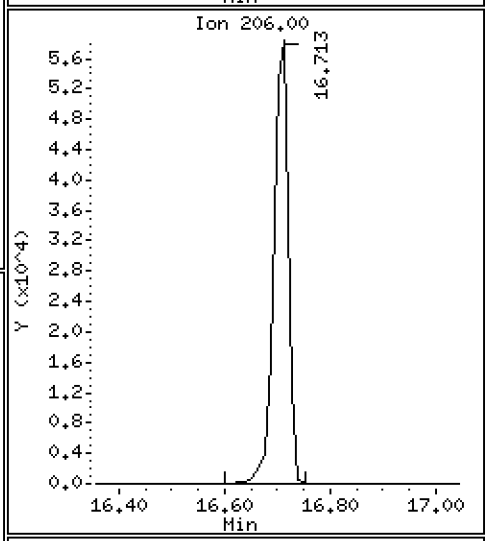


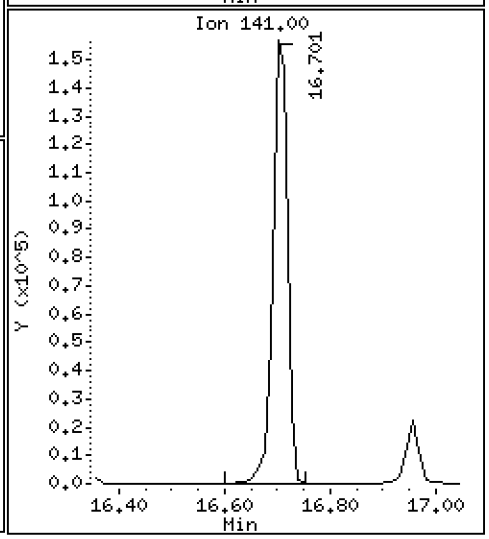












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

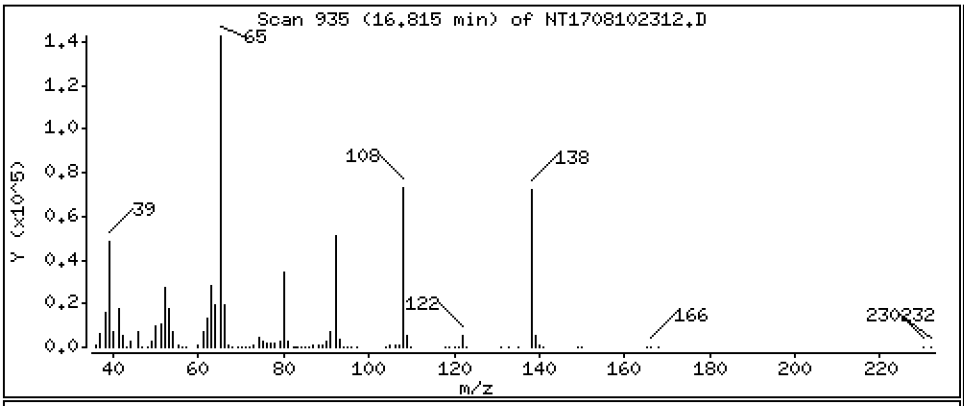
Operator: JGR

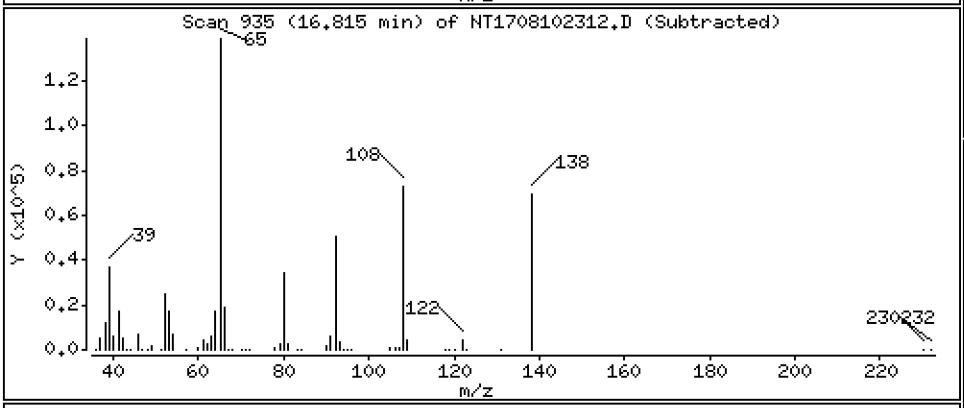
Column phase: ZB-5msi

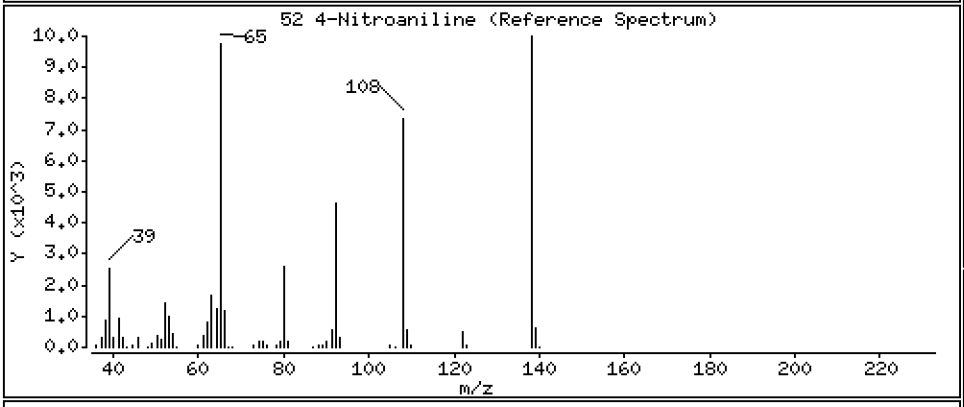
Column diameter: 0.25

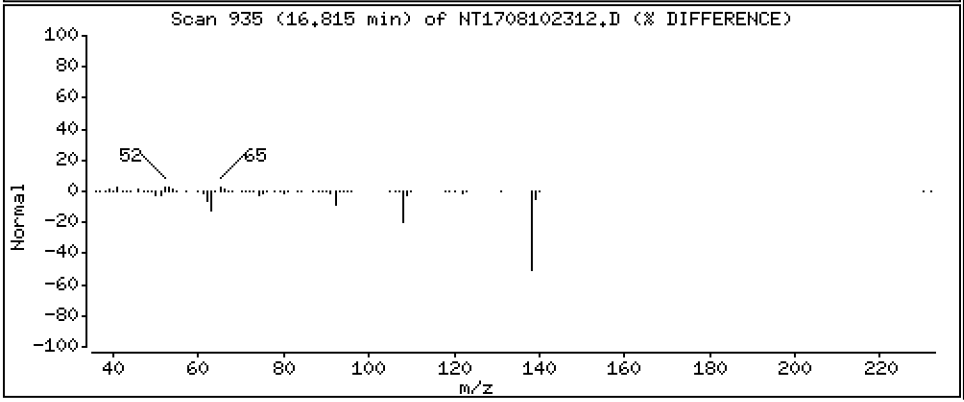
52 4-Nitroaniline

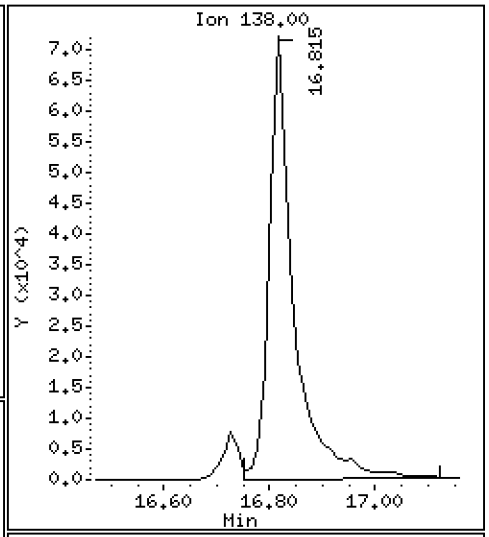
Concentration: 5.127 ug/mL

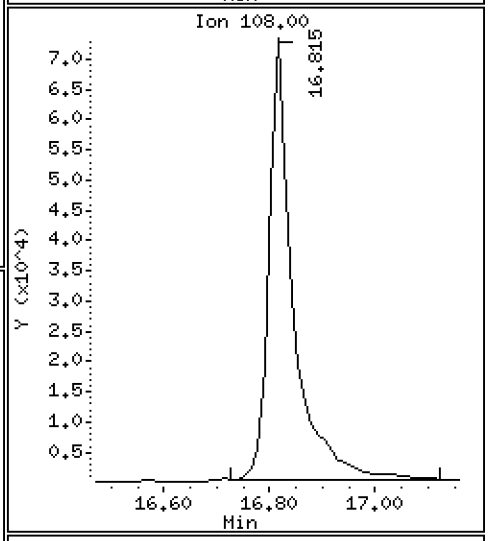


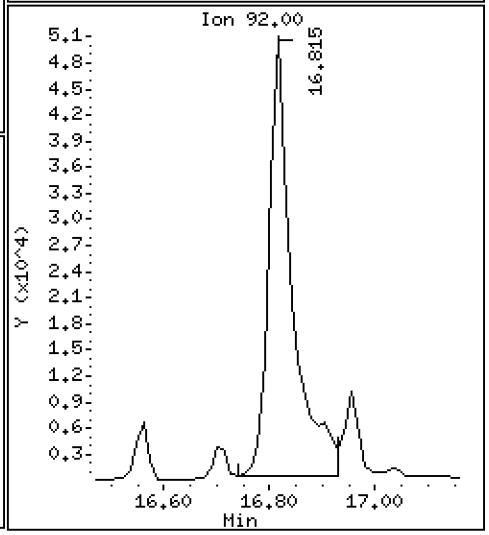












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

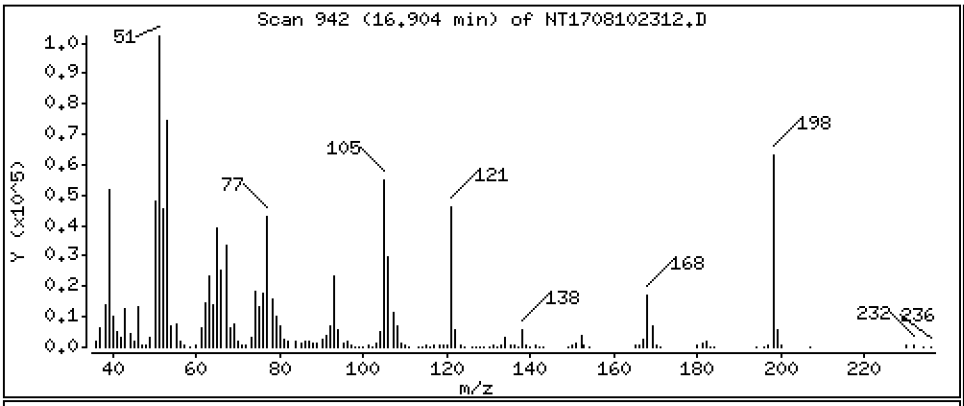
Operator: JGR

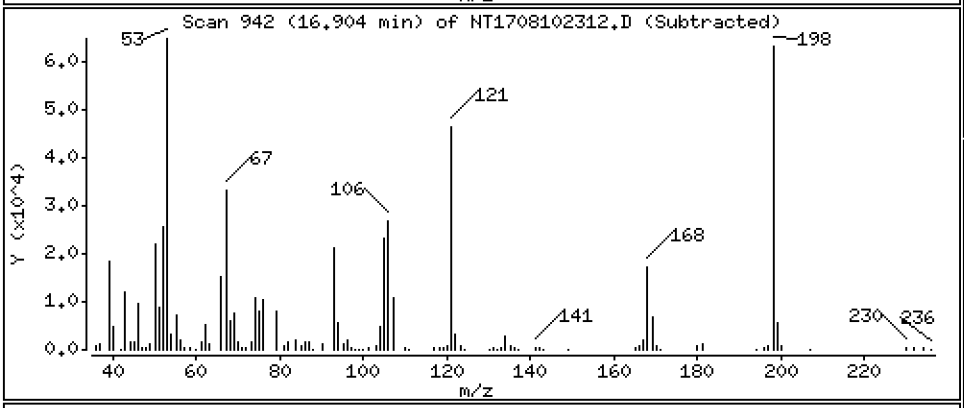
Column phase: ZB-5msi

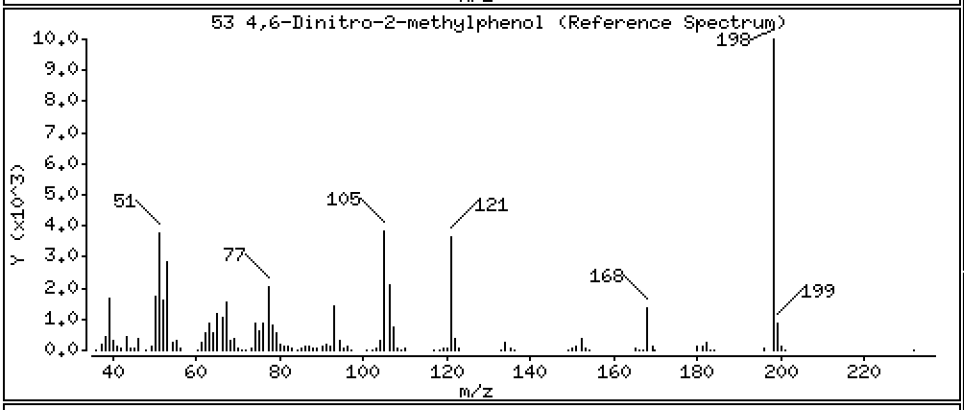
Column diameter: 0.25

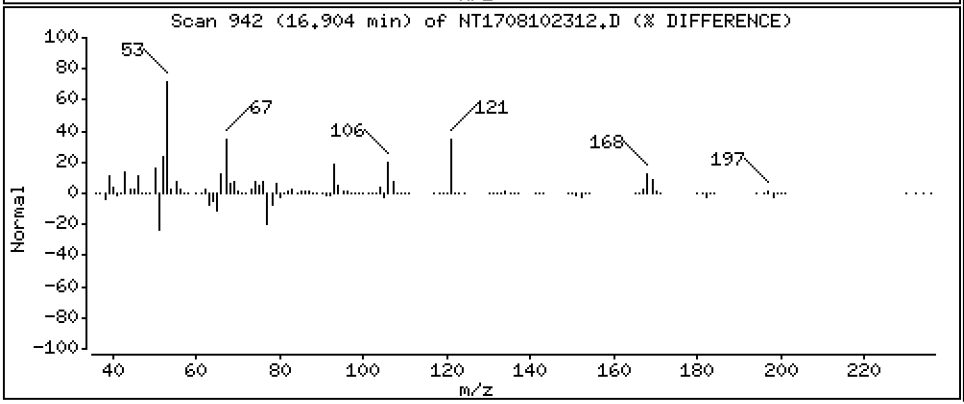
53 4,6-Dinitro-2-methylphenol

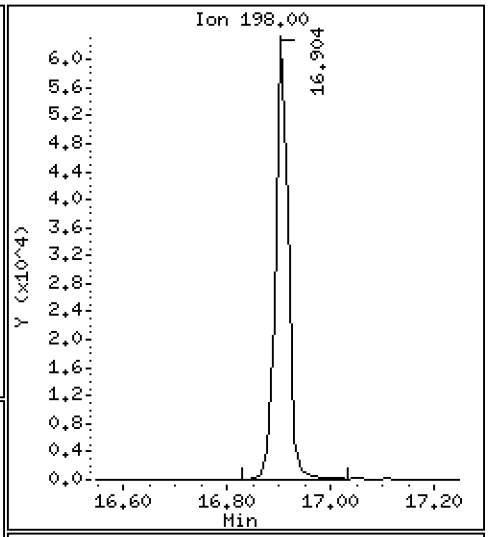
Concentration: 3.719 ug/mL

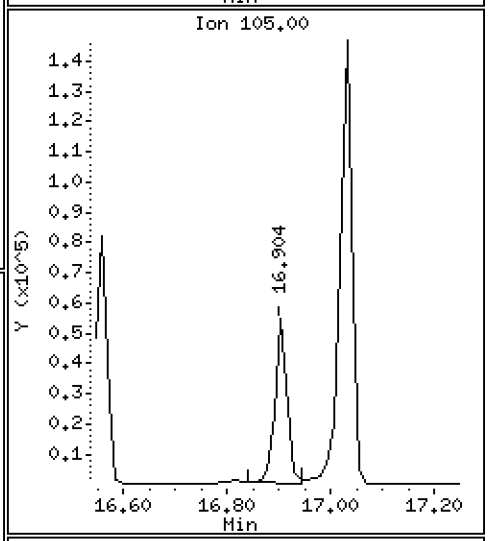


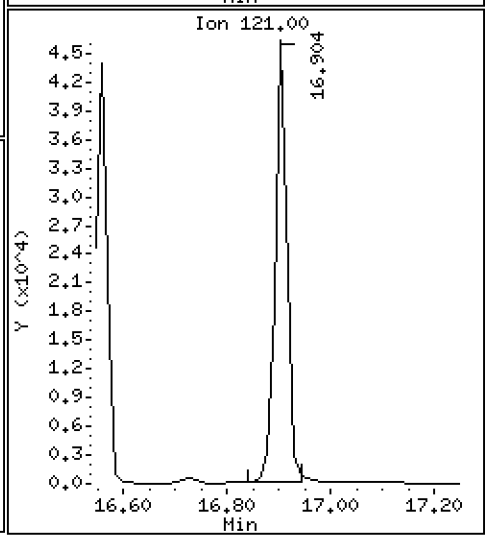












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

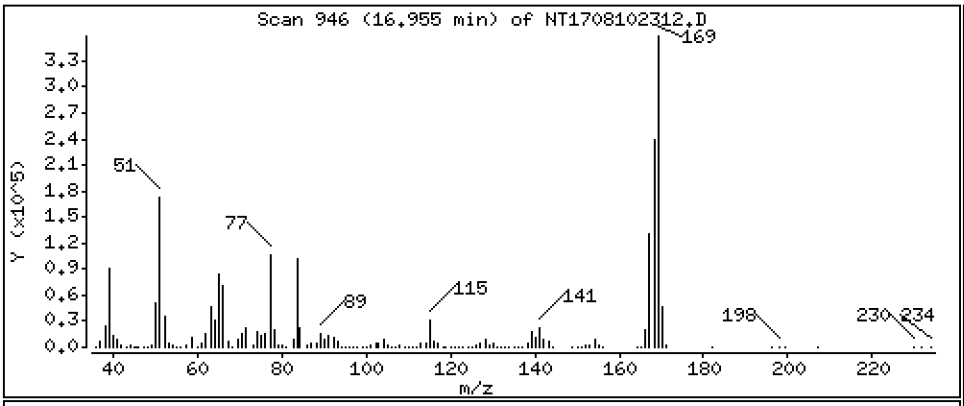
Operator: JGR

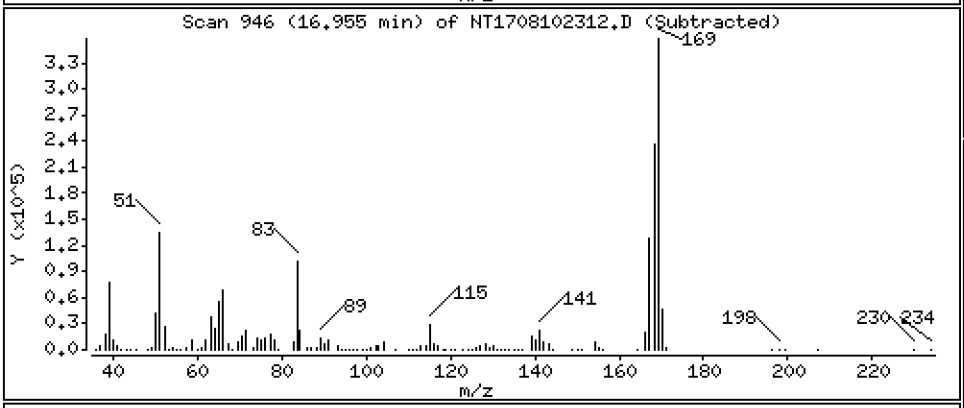
Column phase: ZB-5msi

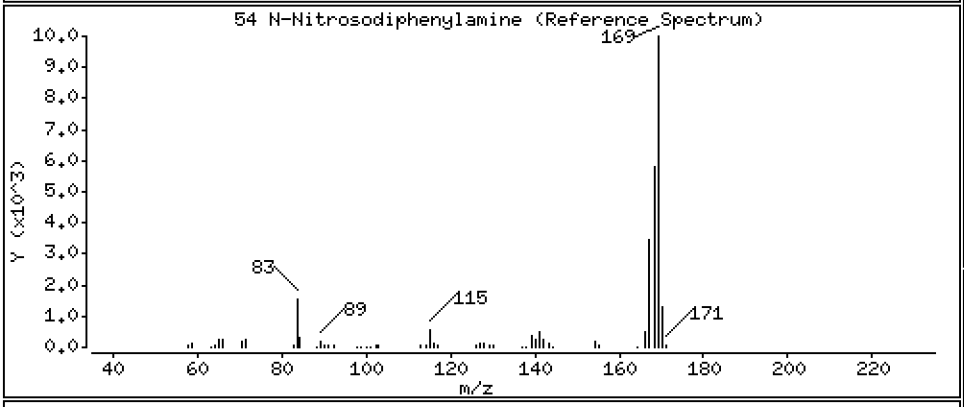
Column diameter: 0.25

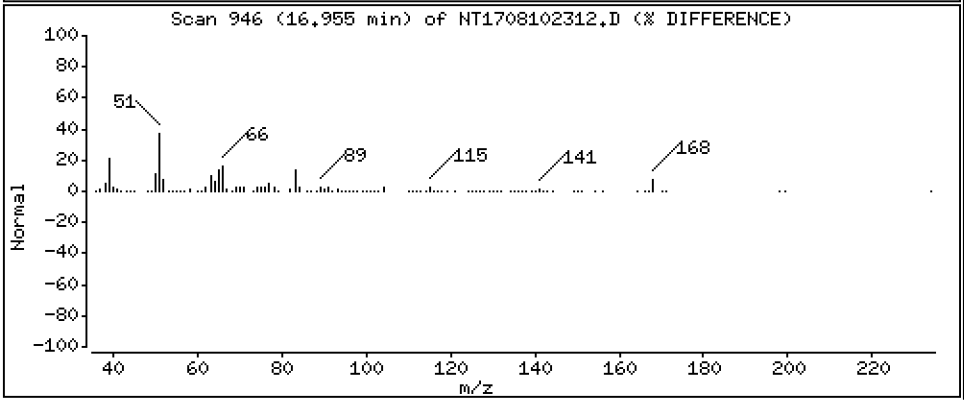
54 N-Nitrosodiphenylamine

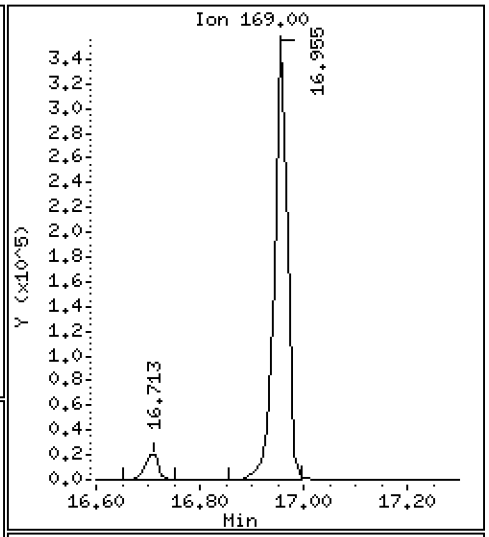
Concentration: 5.252 ug/mL

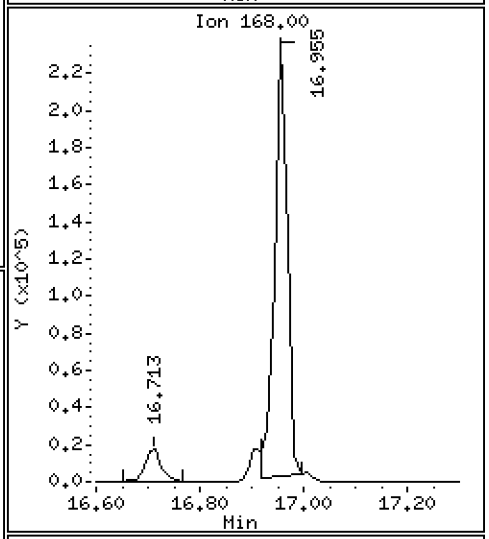


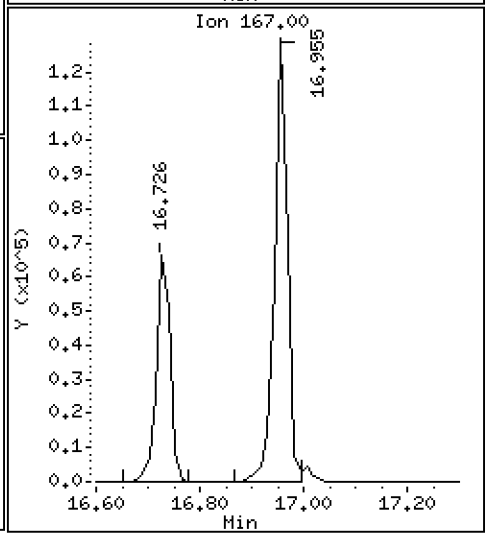












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

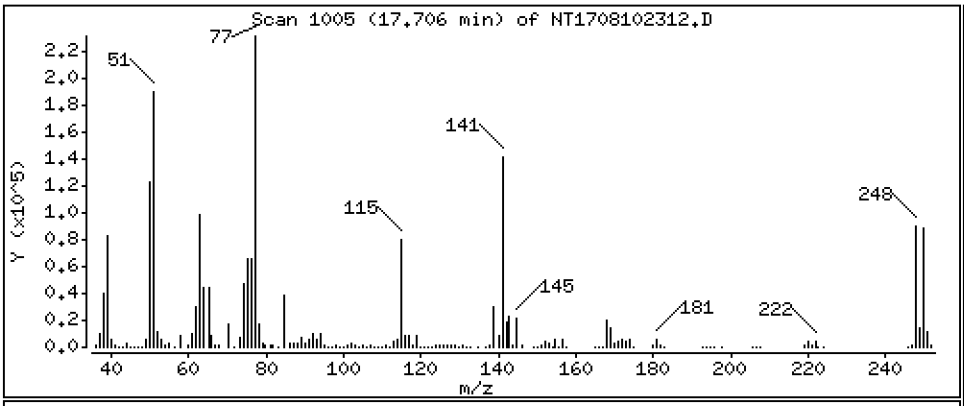
Operator: JGR

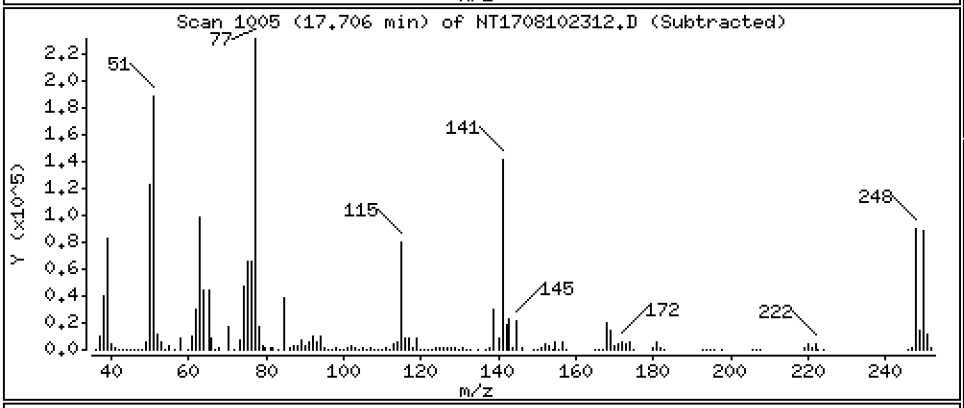
Column phase: ZB-5msi

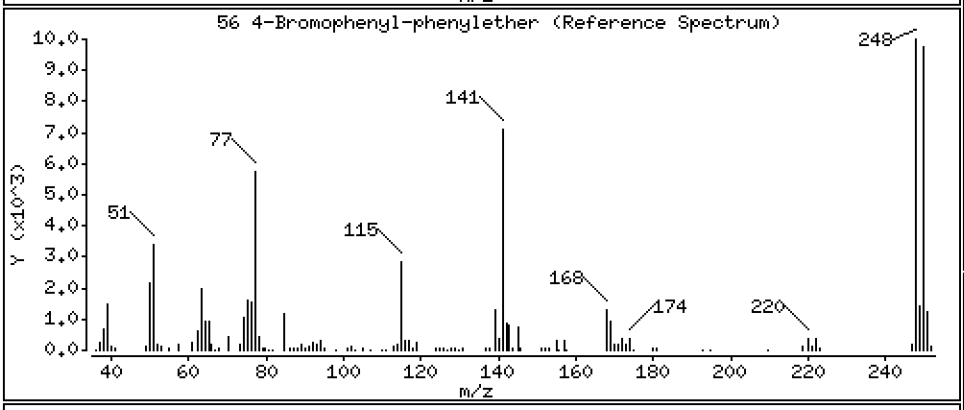
Column diameter: 0.25

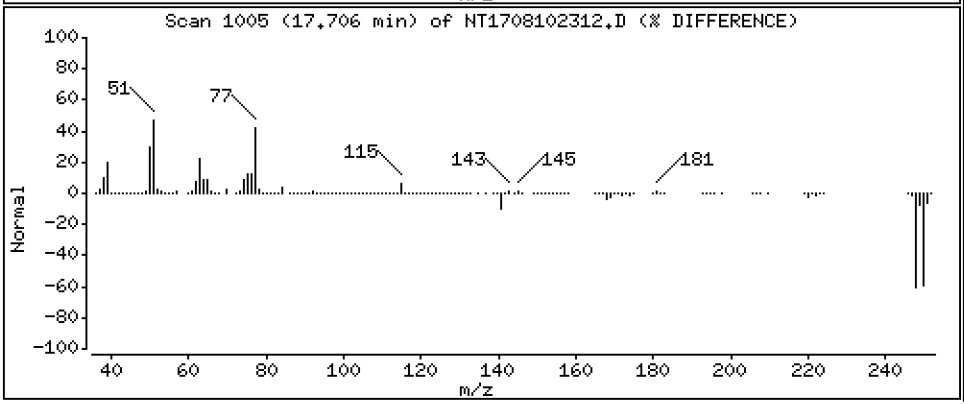
56 4-Bromophenyl-phenylether

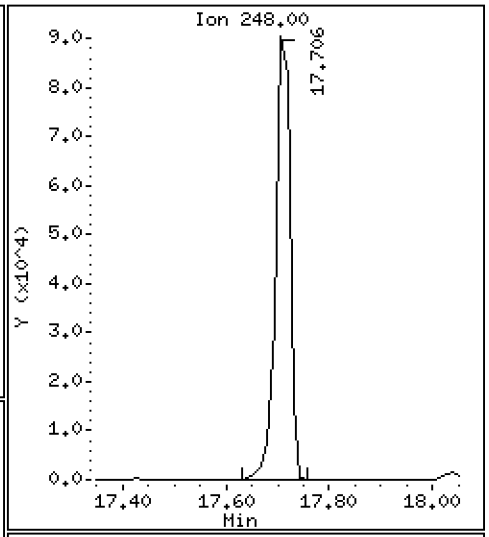
Concentration: 5.566 ug/mL

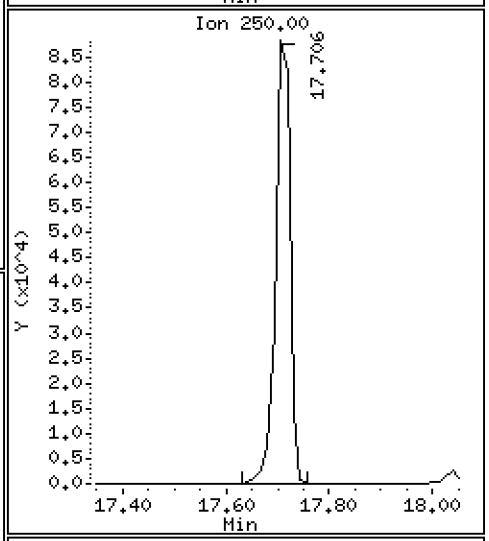


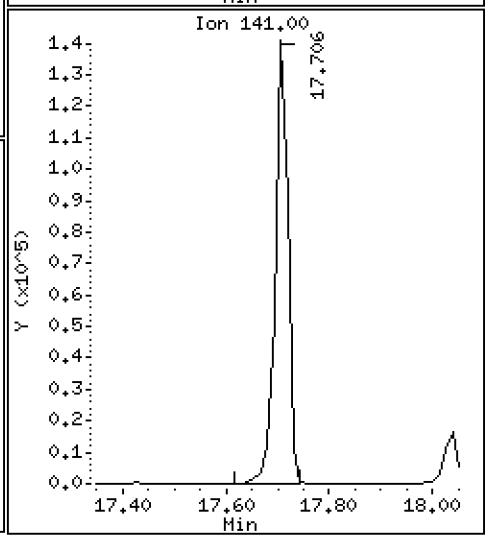












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

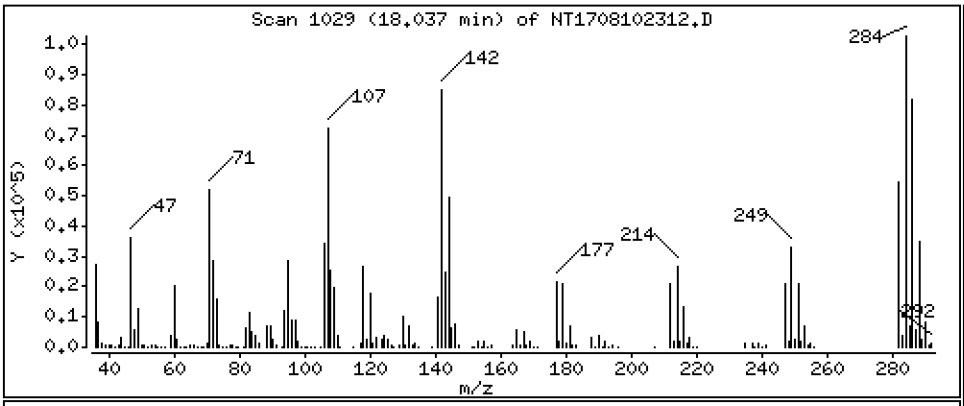
Operator: JGR

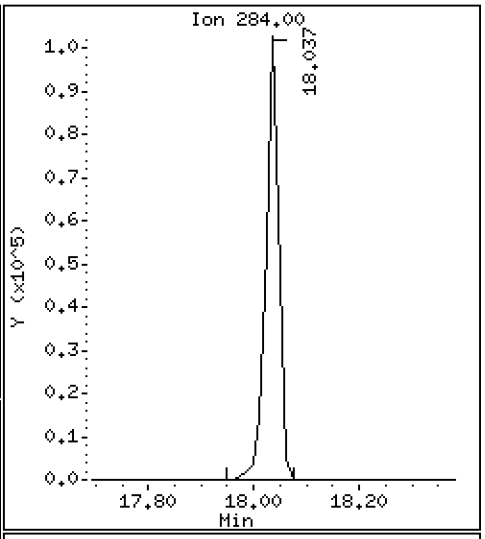
Column phase: ZB-5msi

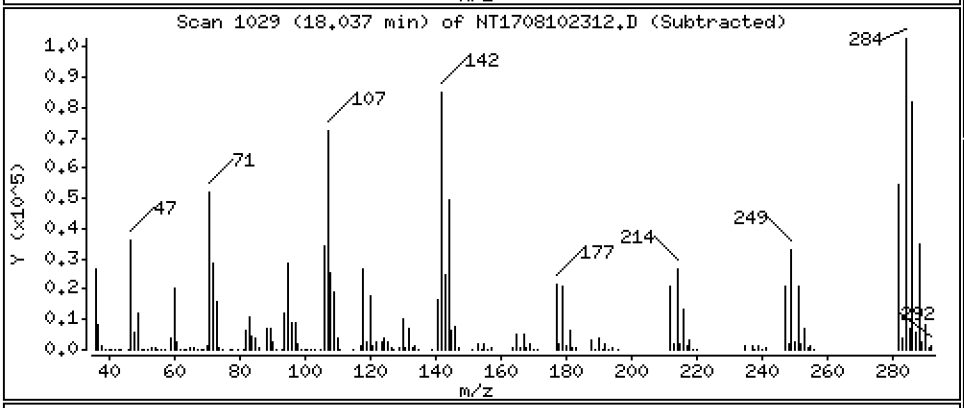
Column diameter: 0.25

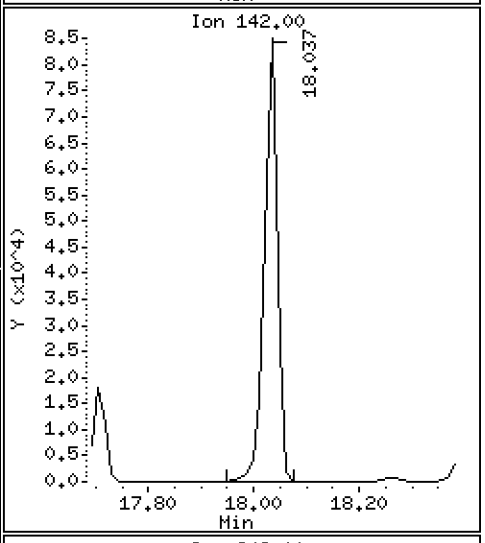
57 Hexachlorobenzene

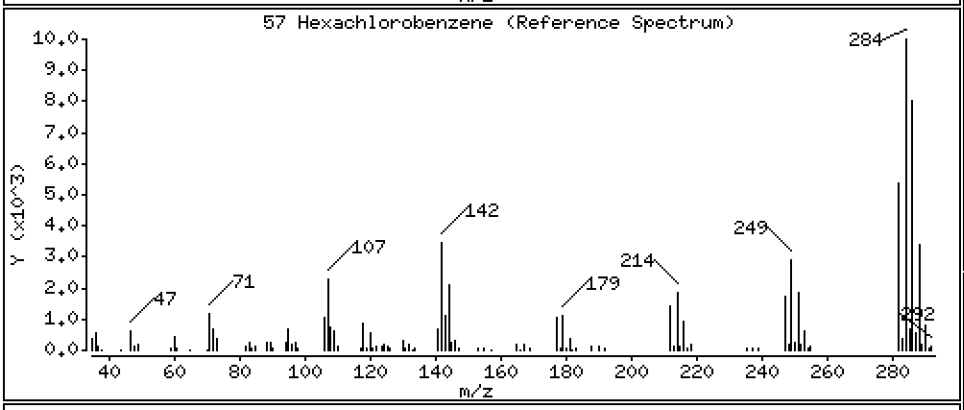
Concentration: 4.986 ug/mL

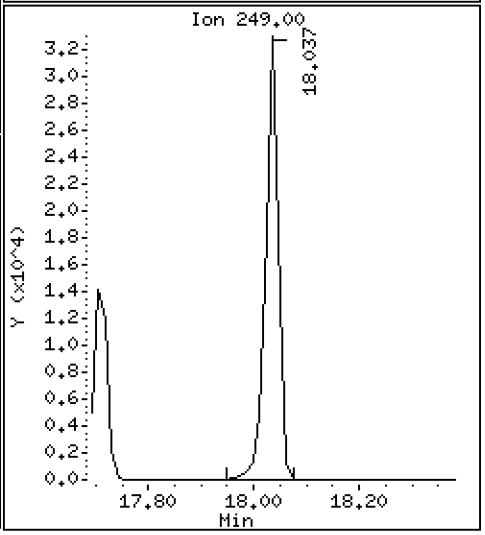


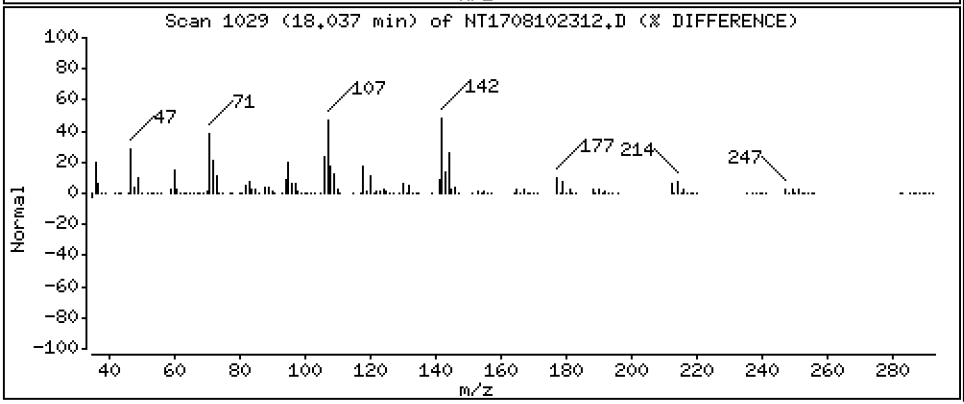












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

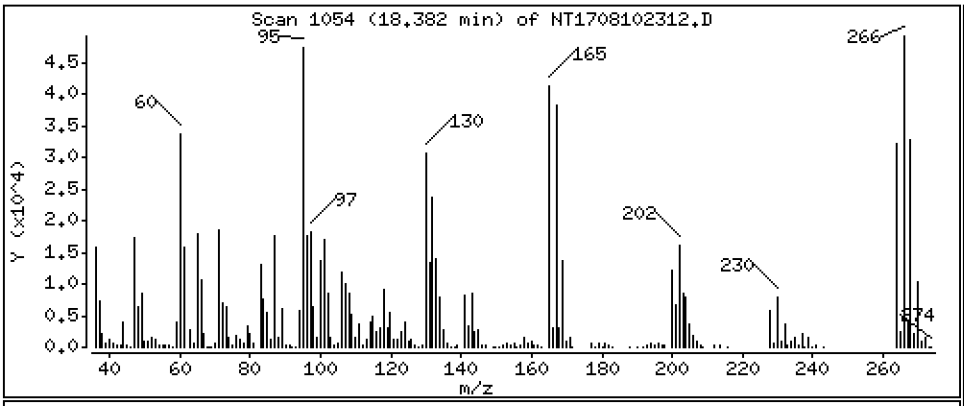
Operator: JGR

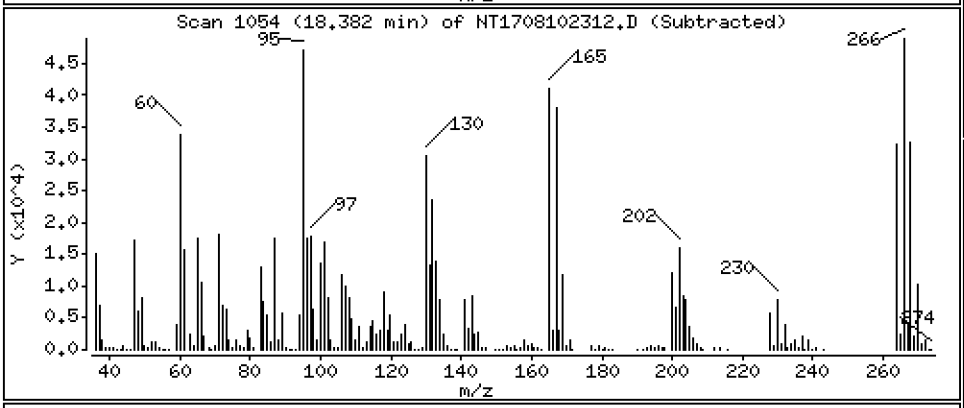
Column phase: ZB-5msi

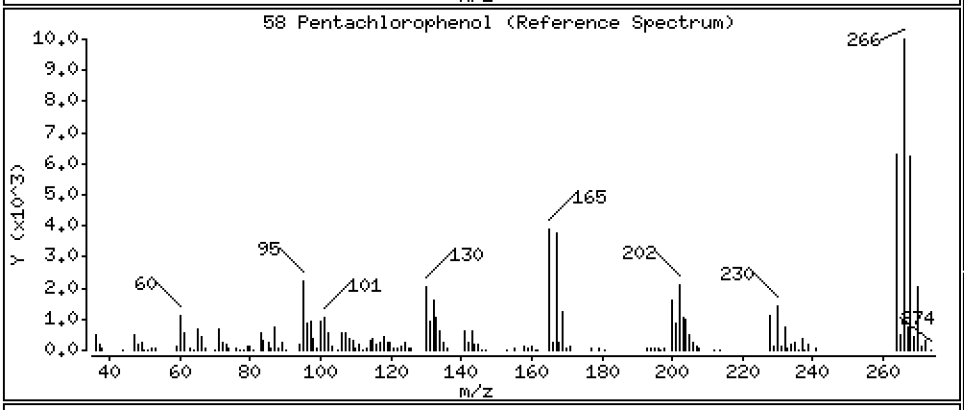
Column diameter: 0.25

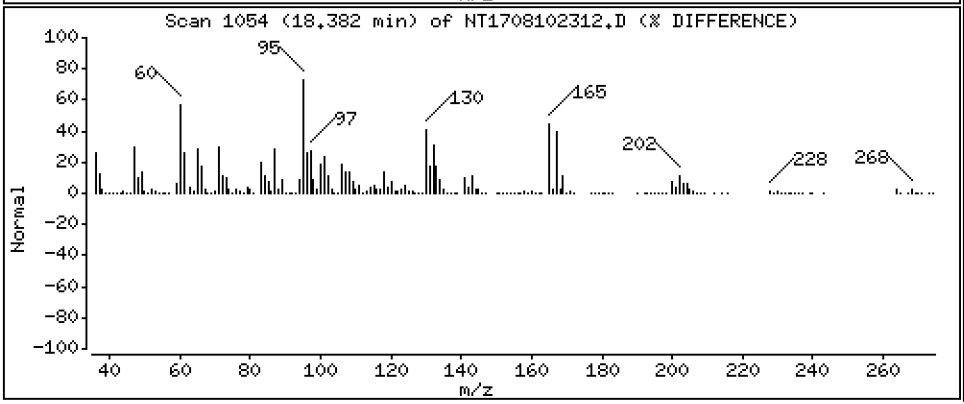
58 Pentachlorophenol

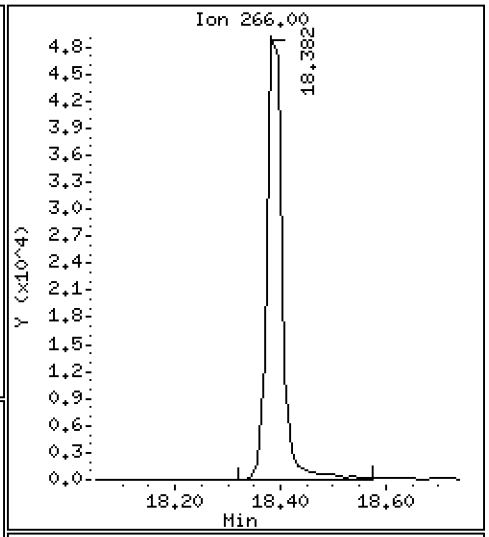
Concentration: 4.903 ug/mL

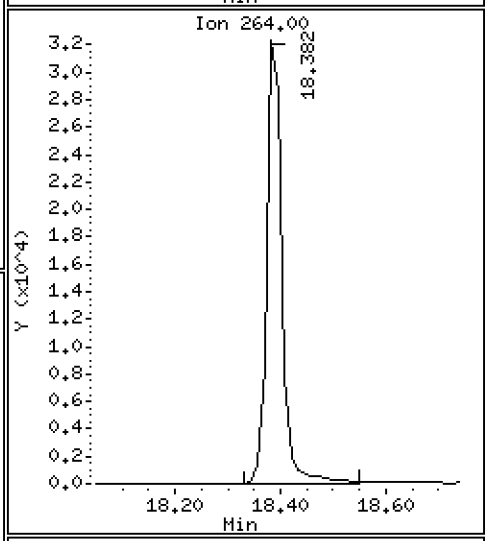


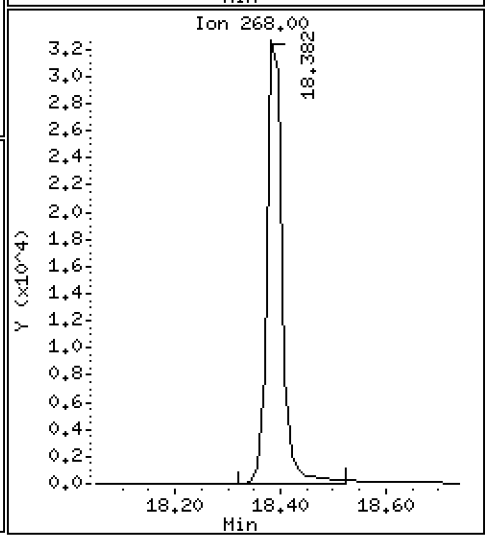












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

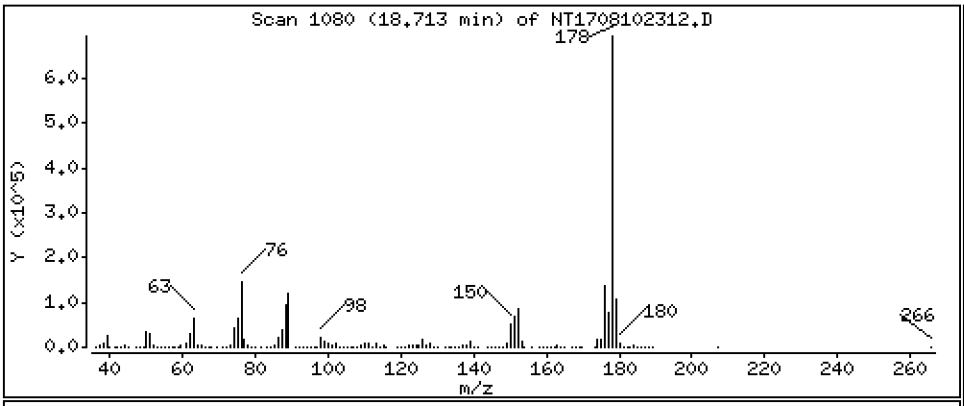
Operator: JGR

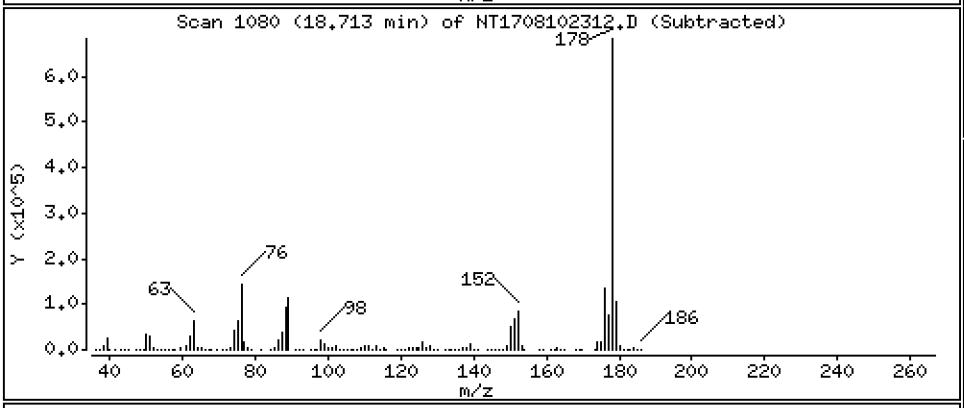
Column phase: ZB-5msi

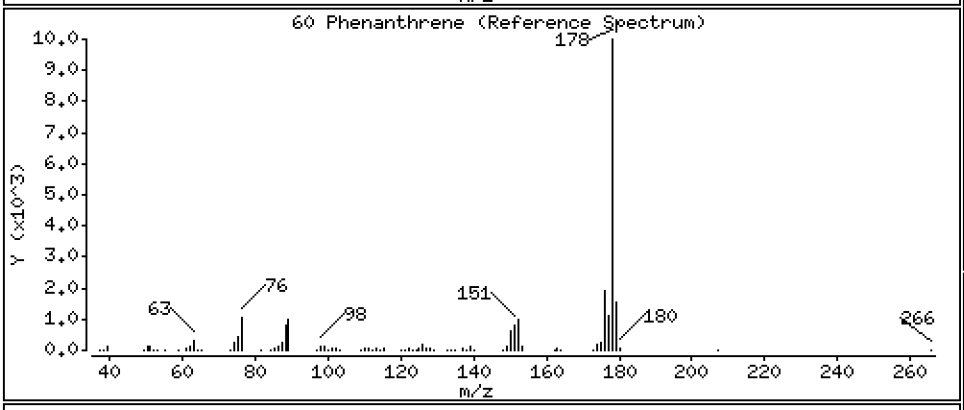
Column diameter: 0.25

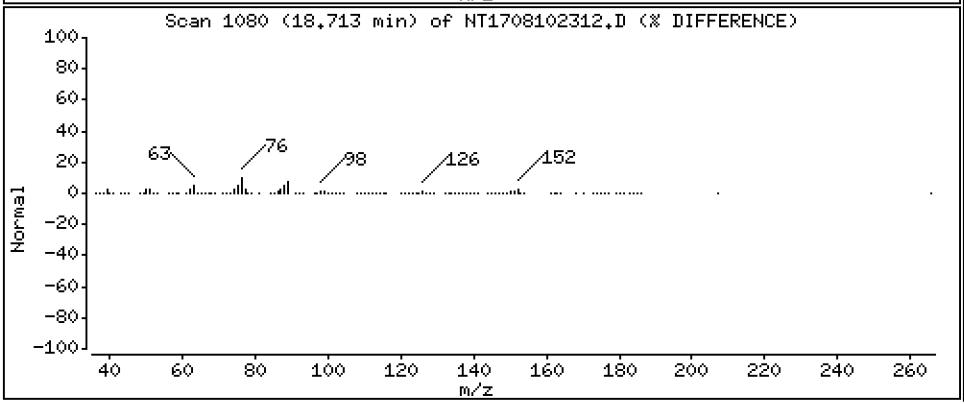
60 Phenanthrene

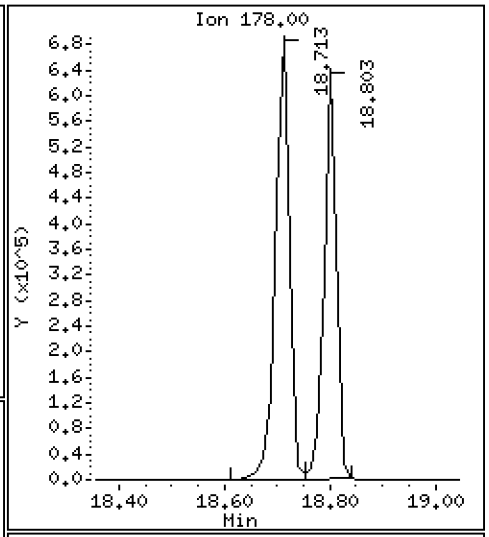
Concentration: 5.484 ug/mL

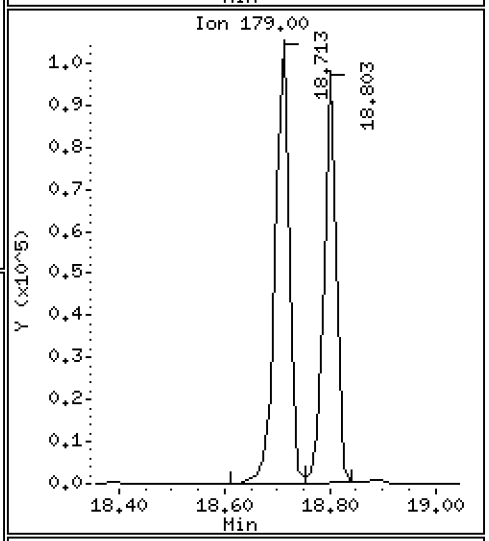


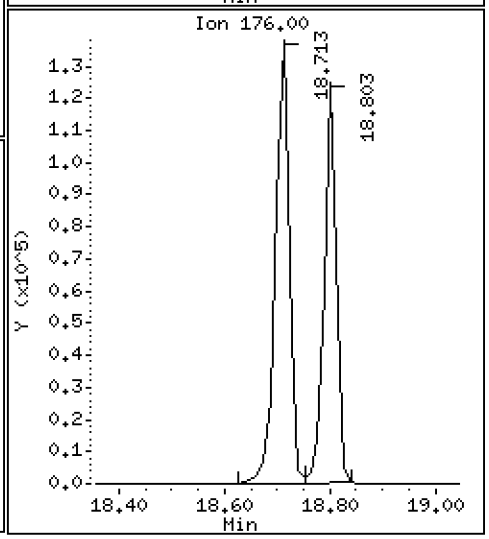












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

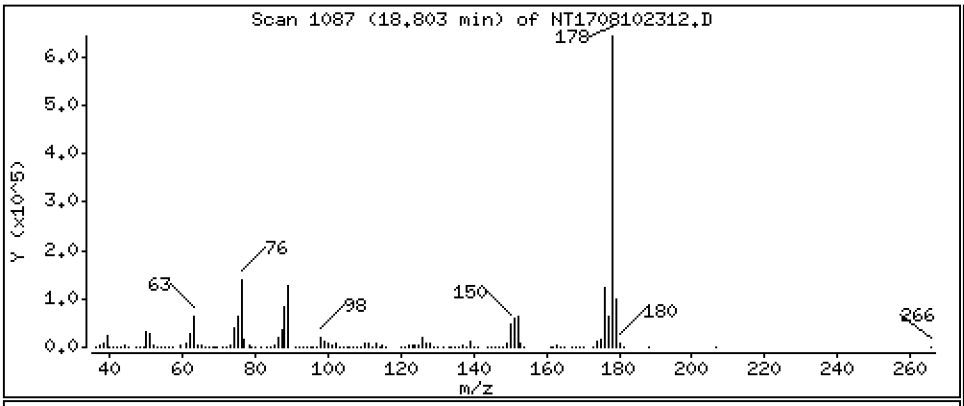
Operator: JGR

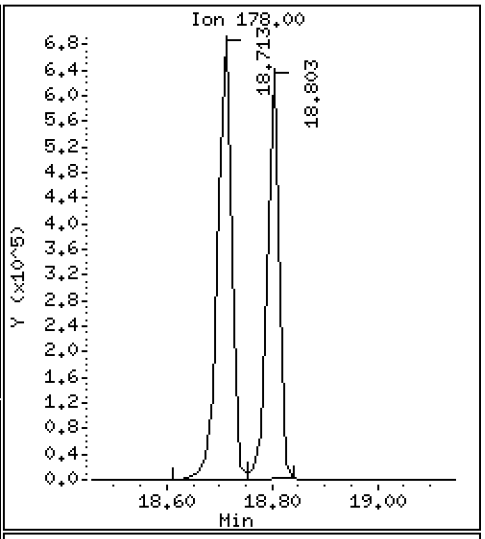
Column phase: ZB-5msi

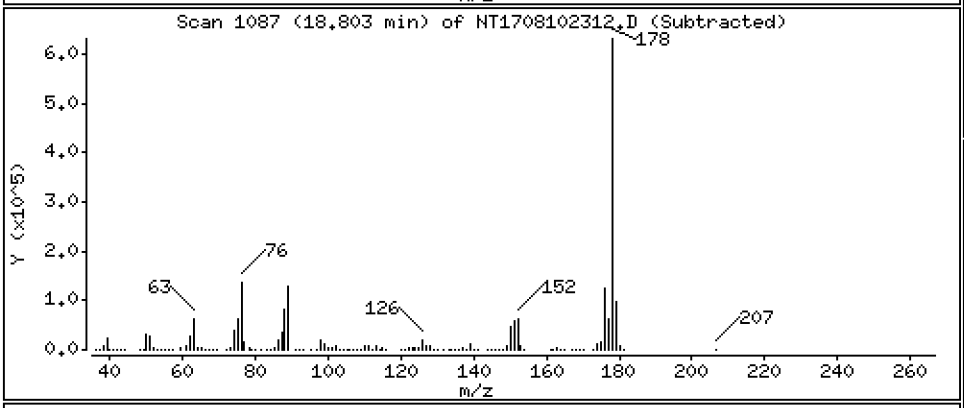
Column diameter: 0.25

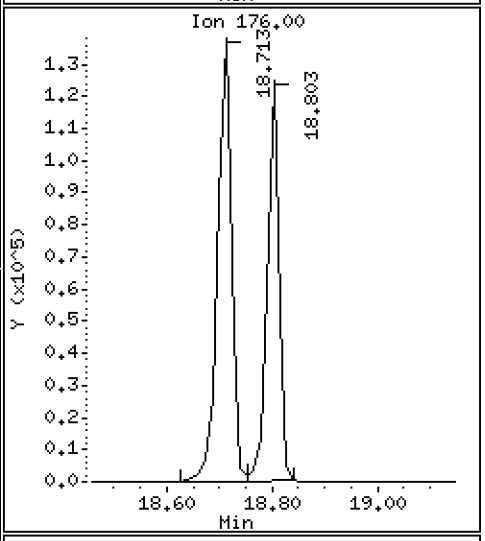
61 Anthracene

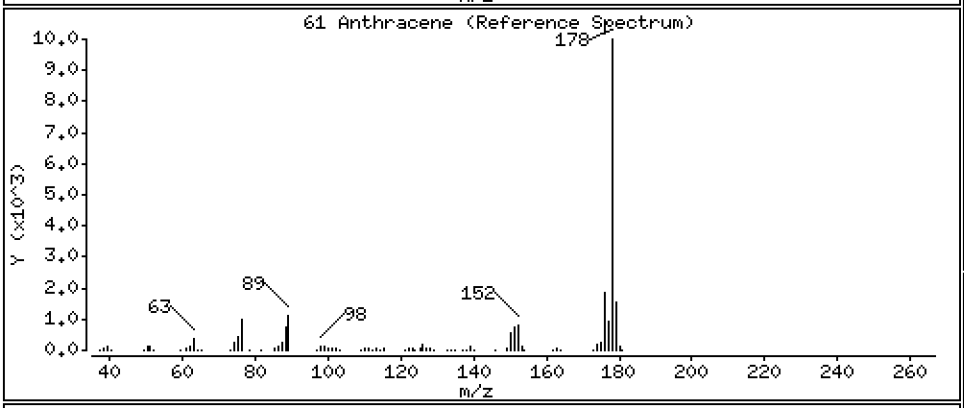
Concentration: 5.192 ug/mL

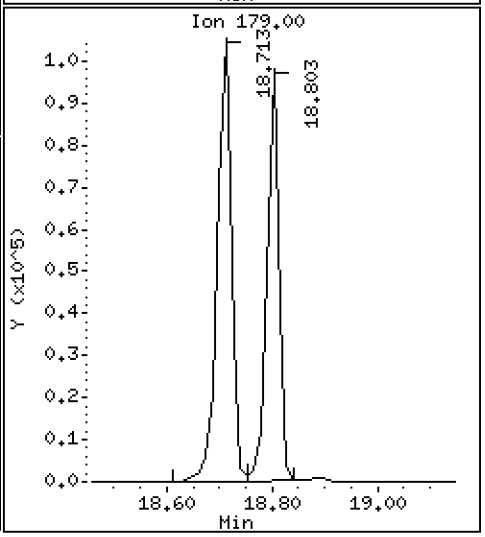


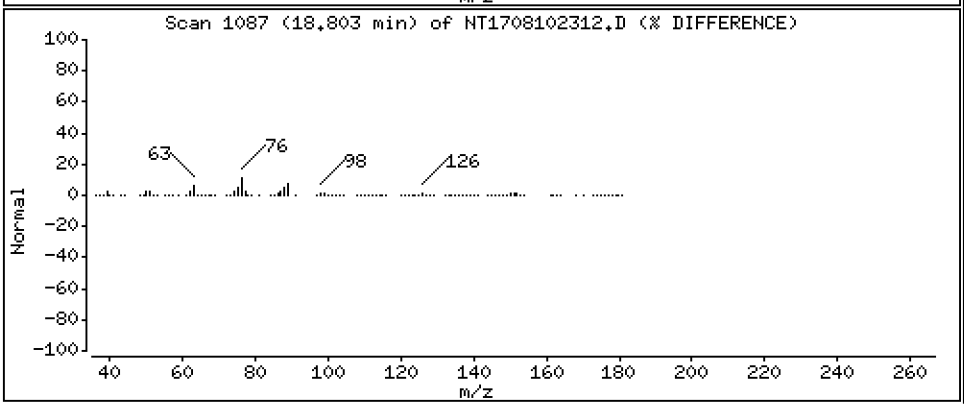












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

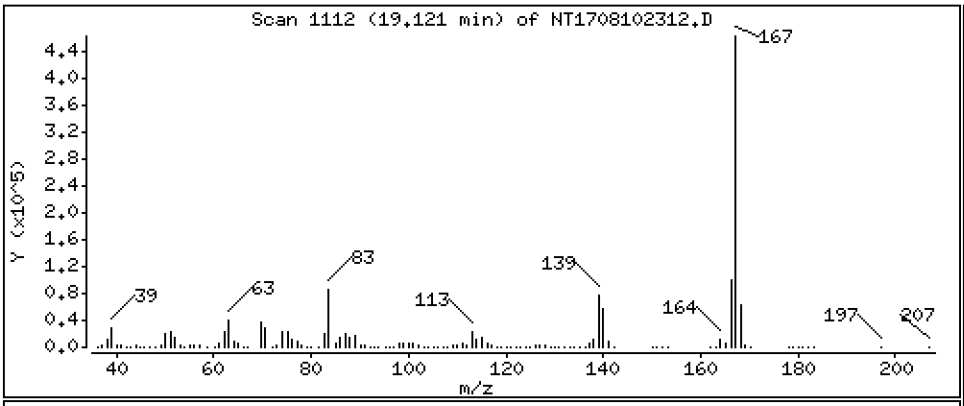
Operator: JGR

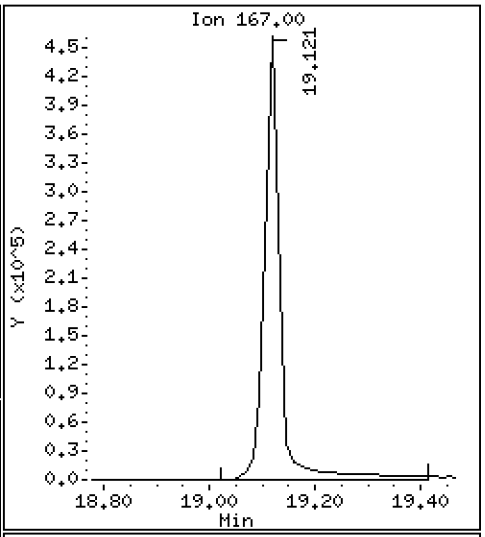
Column phase: ZB-5msi

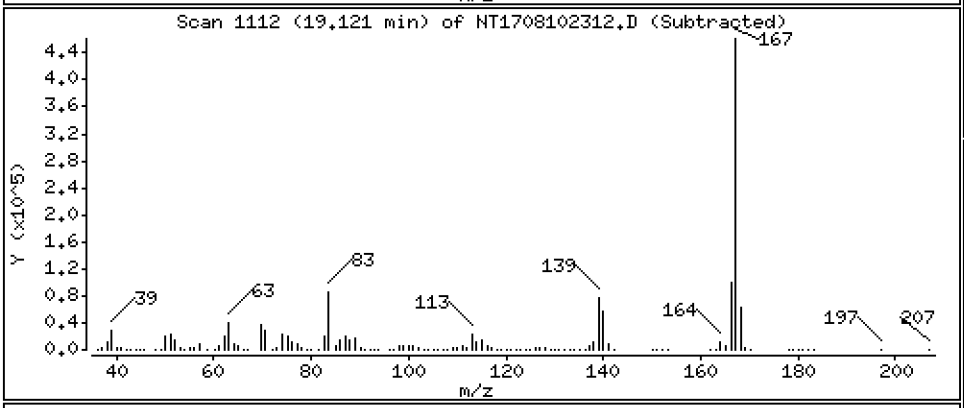
Column diameter: 0.25

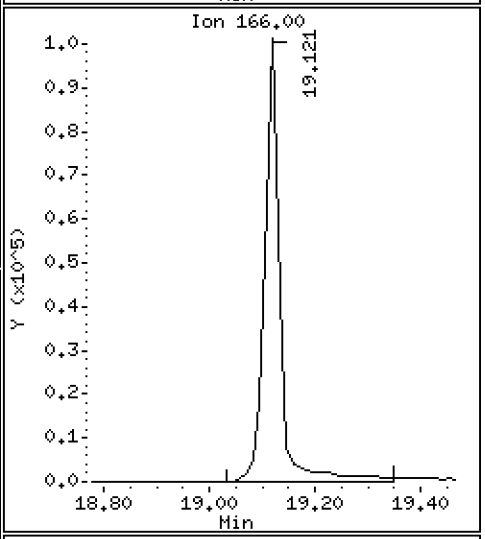
62 Carbazole

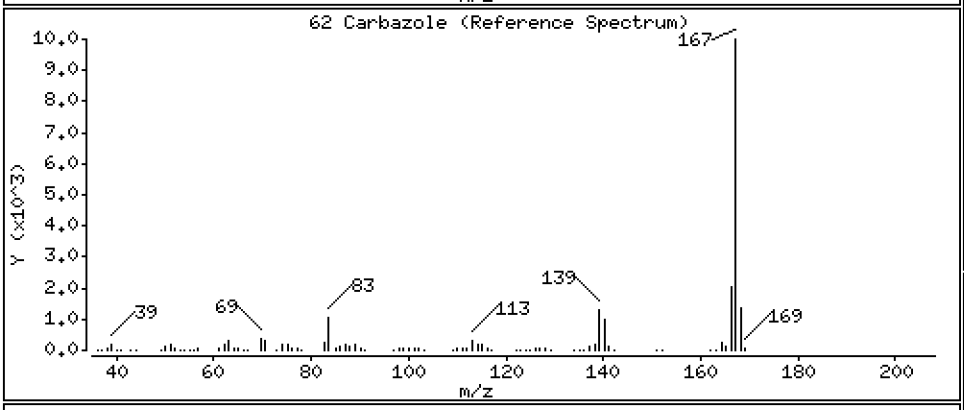
Concentration: 4.708 ug/mL

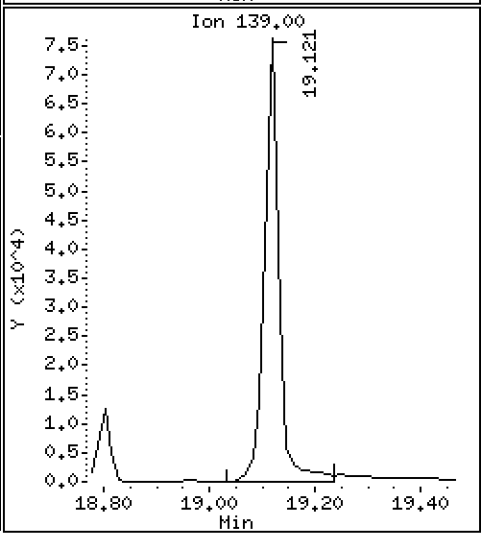


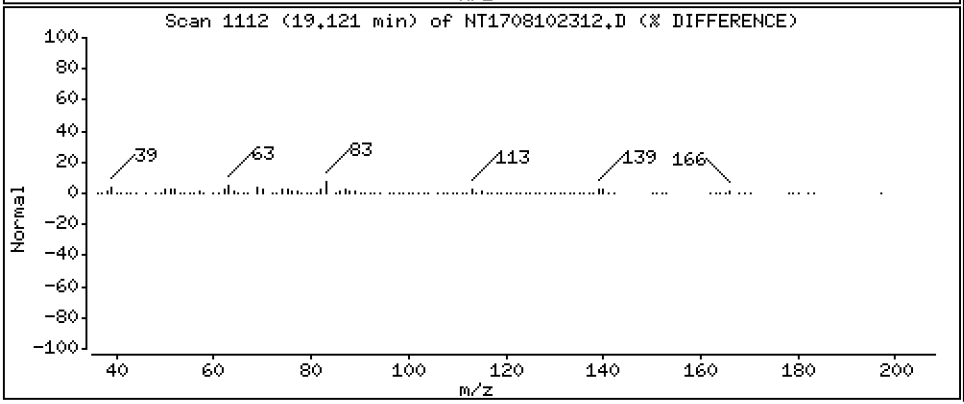












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

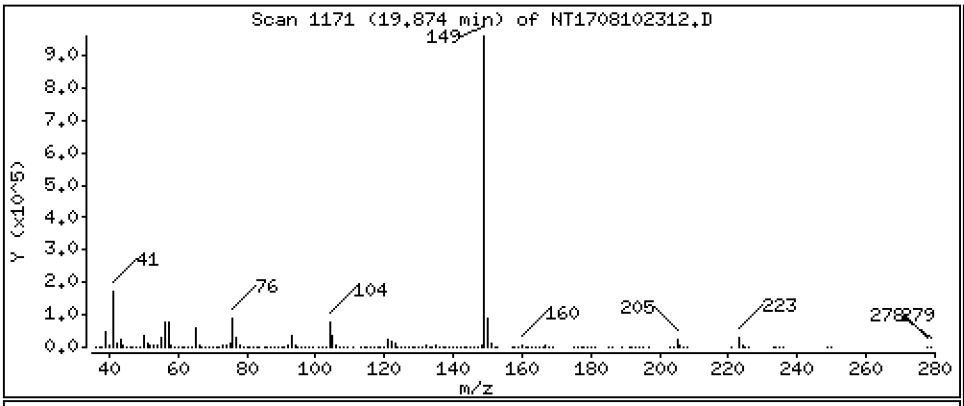
Operator: JGR

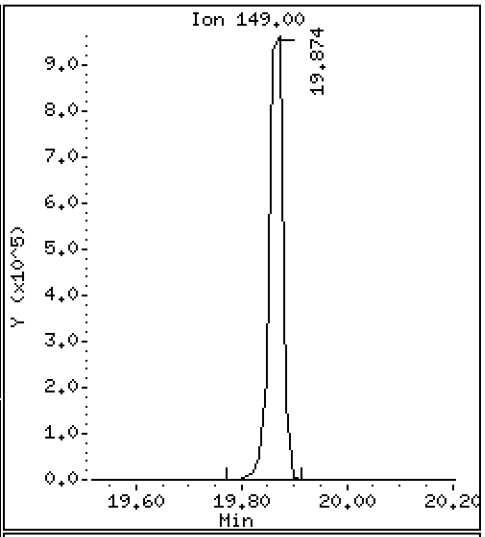
Column phase: ZB-5msi

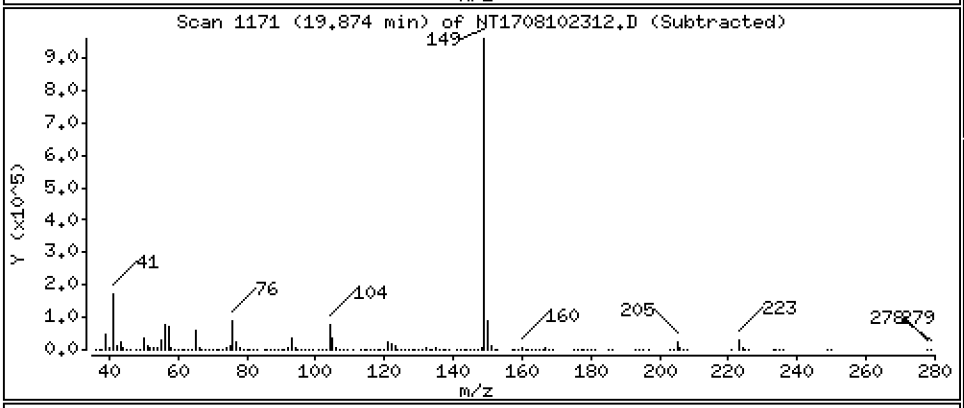
Column diameter: 0.25

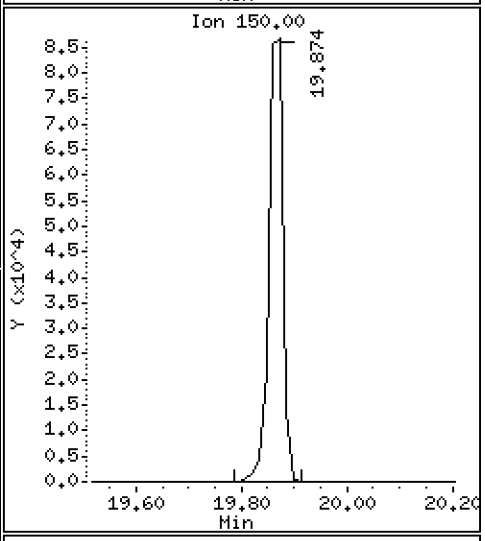
63 Di-n-butylphthalate

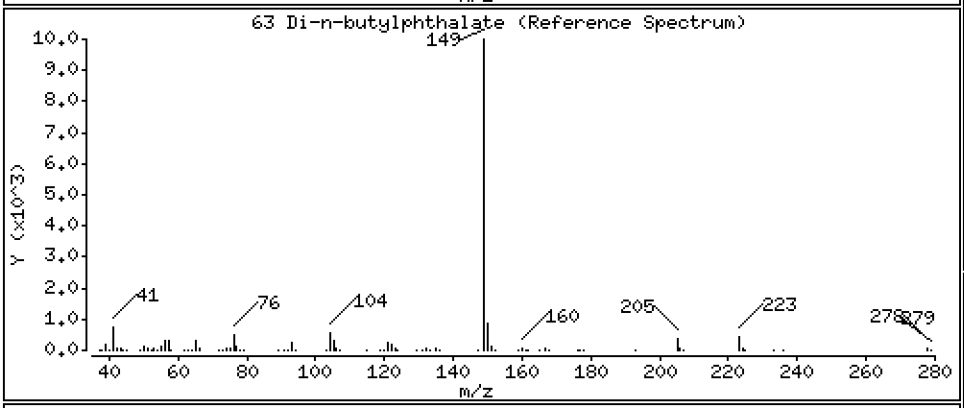
Concentration: 4.886 ug/mL

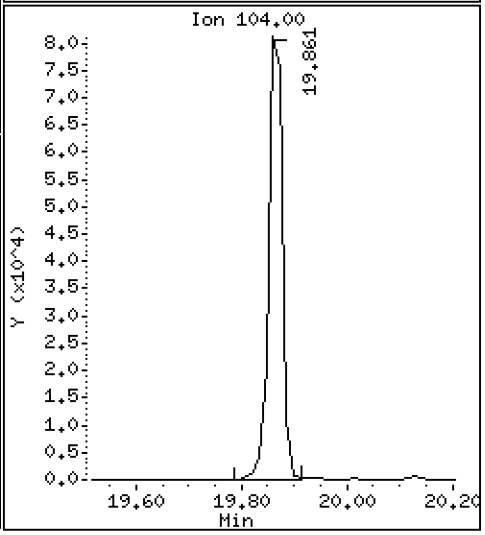


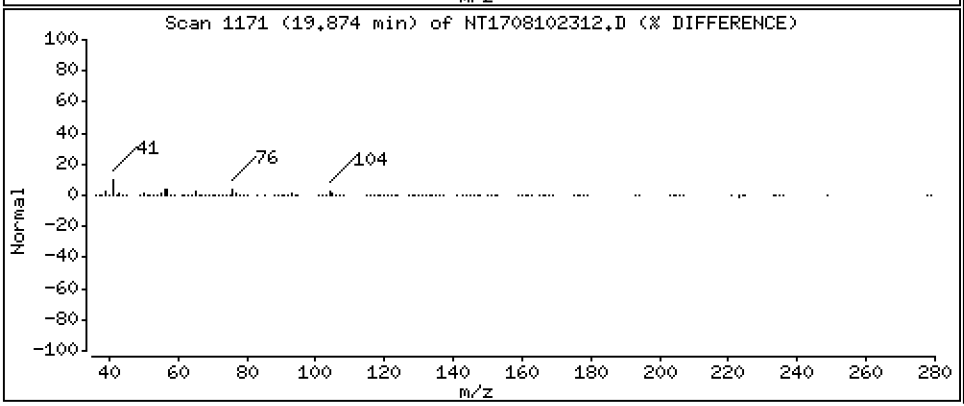












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

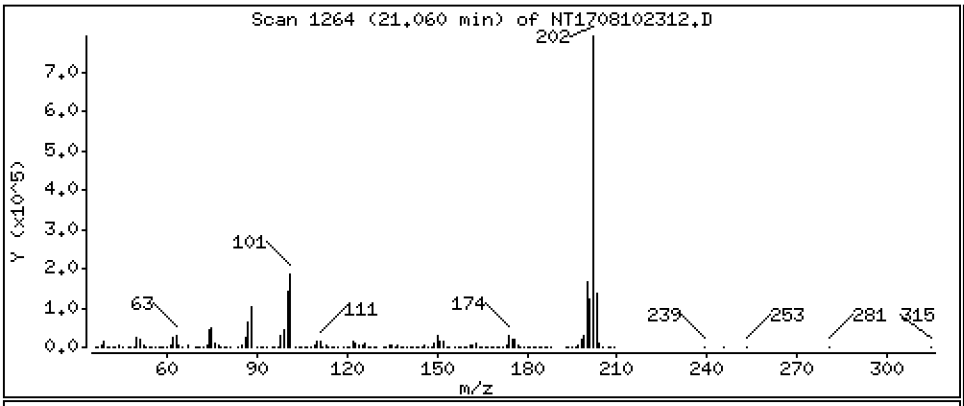
Operator: JGR

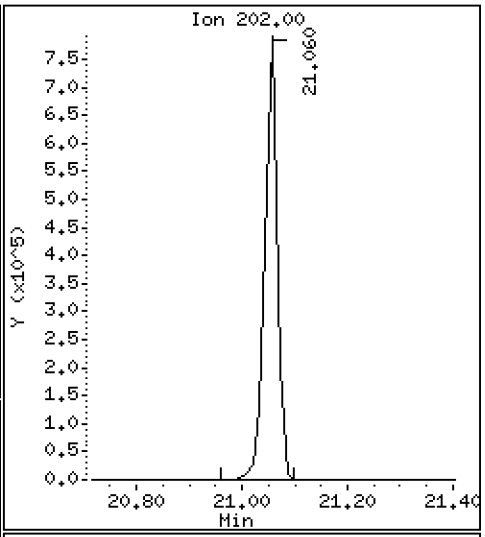
Column phase: ZB-5msi

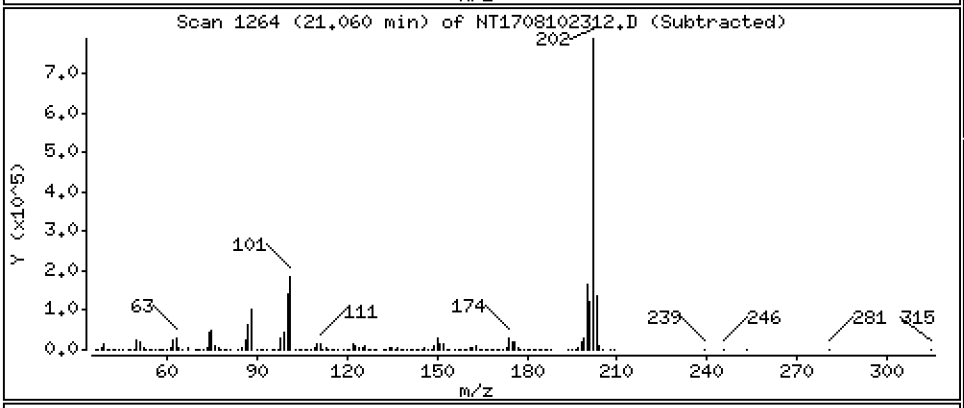
Column diameter: 0.25

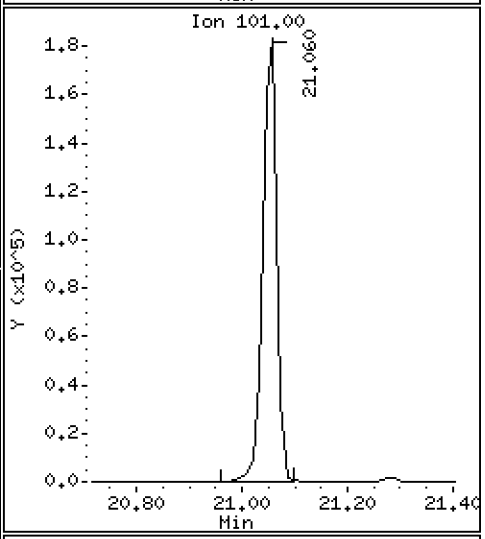
64 Fluoranthene

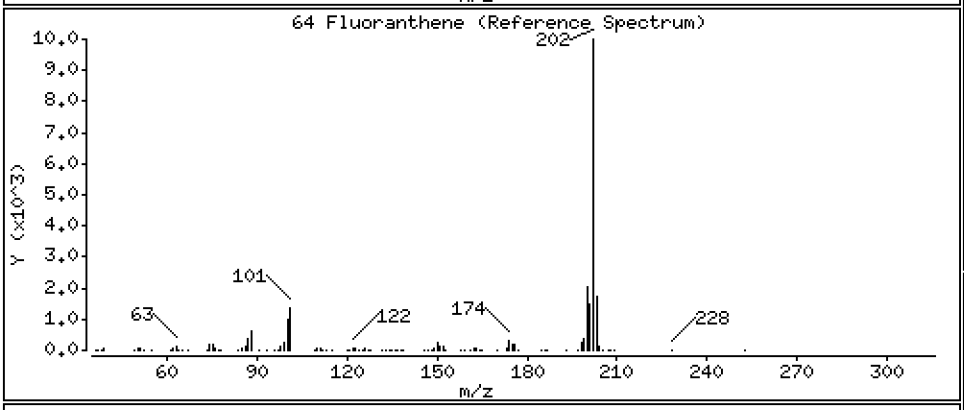
Concentration: 6.141 ug/mL

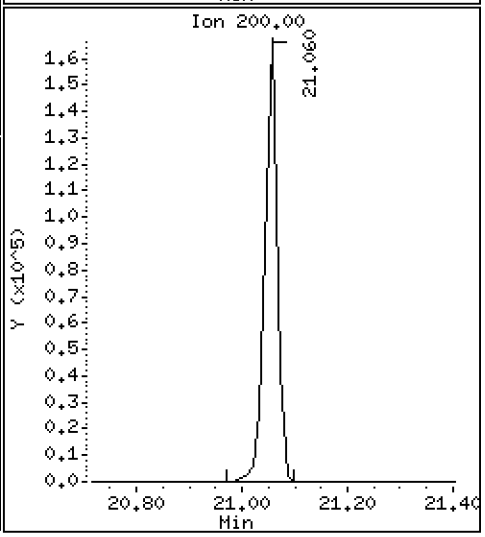


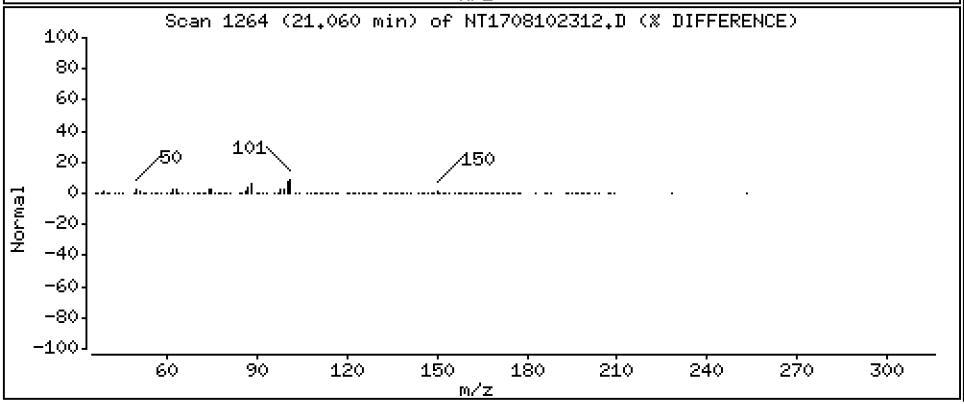












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

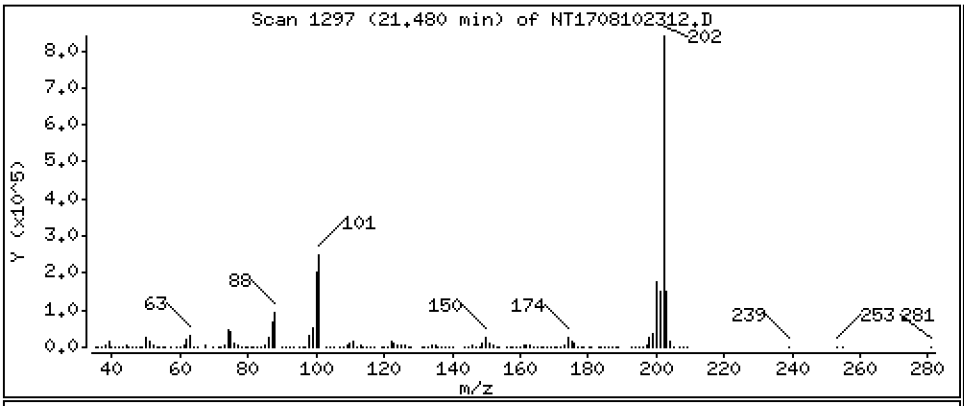
Operator: JGR

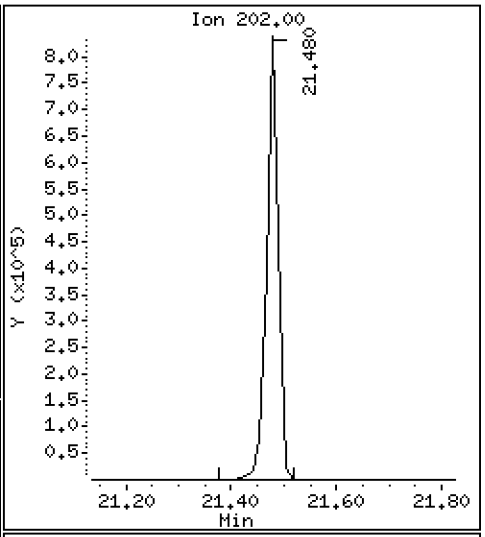
Column phase: ZB-5msi

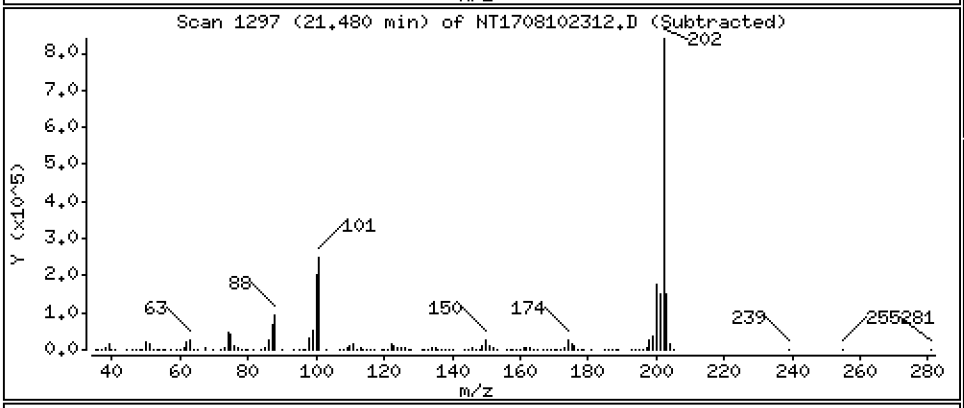
Column diameter: 0.25

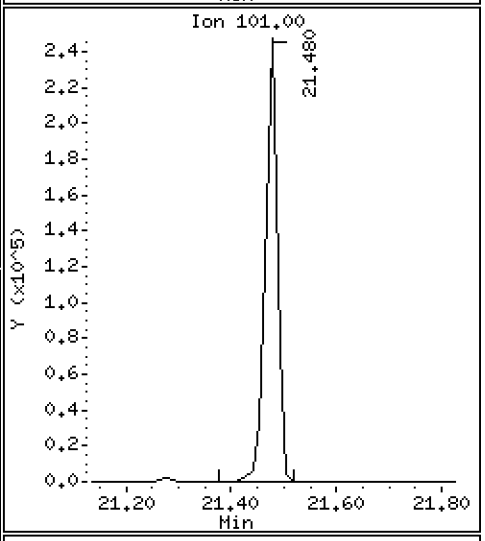
65 Pyrene

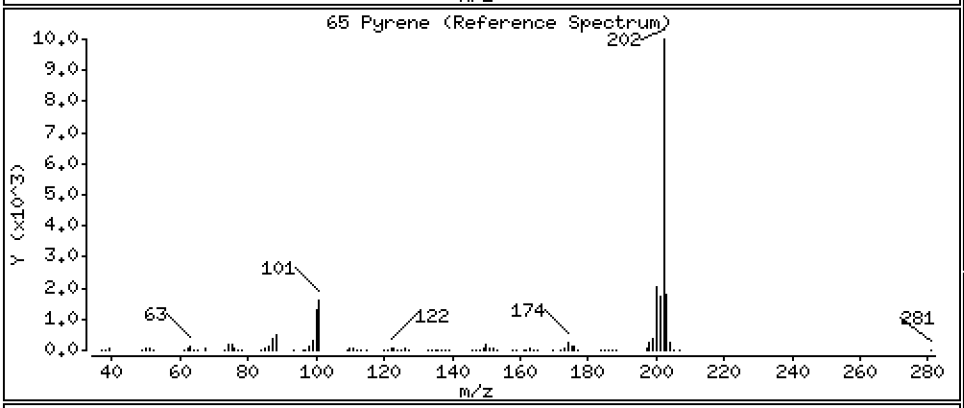
Concentration: 5.873 ug/mL

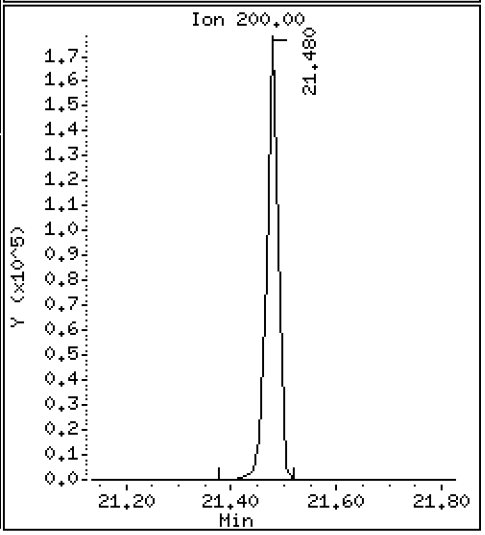


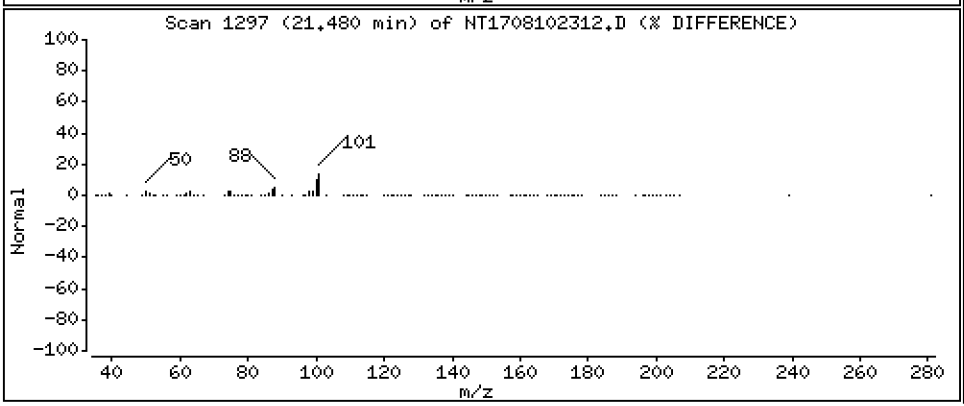












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

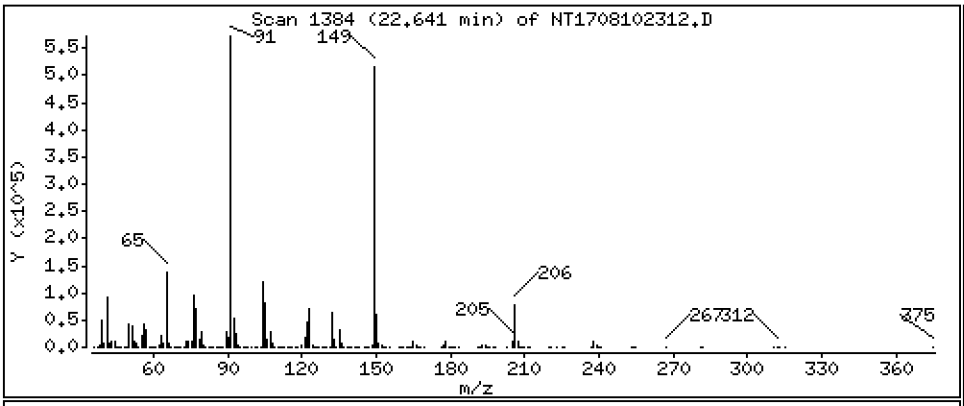
Operator: JGR

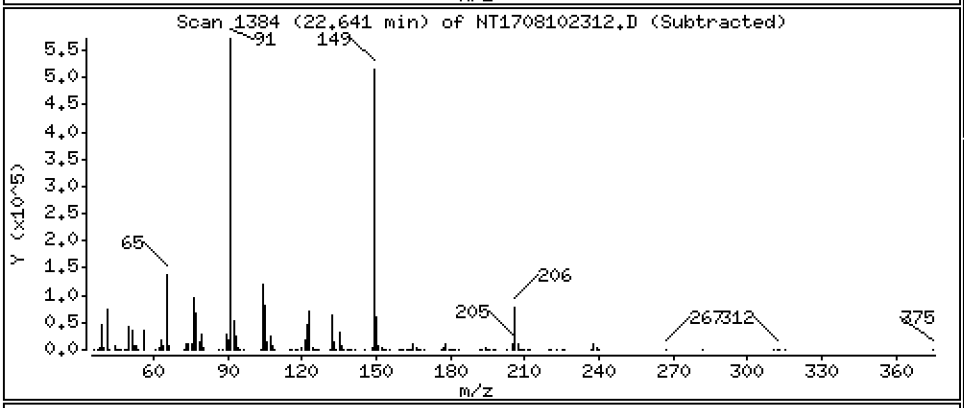
Column phase: ZB-5msi

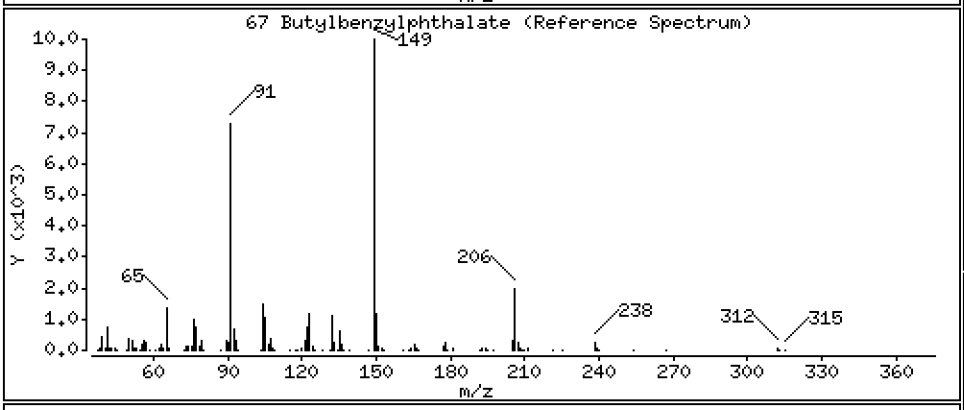
Column diameter: 0.25

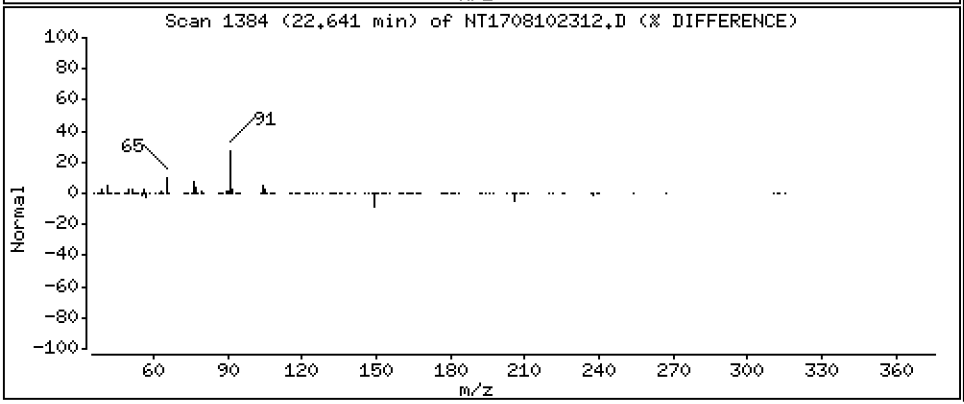
67 Butylbenzylphthalate

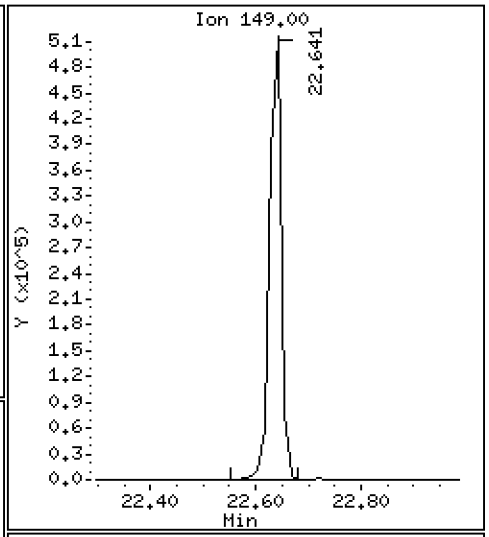
Concentration: 5.346 ug/mL

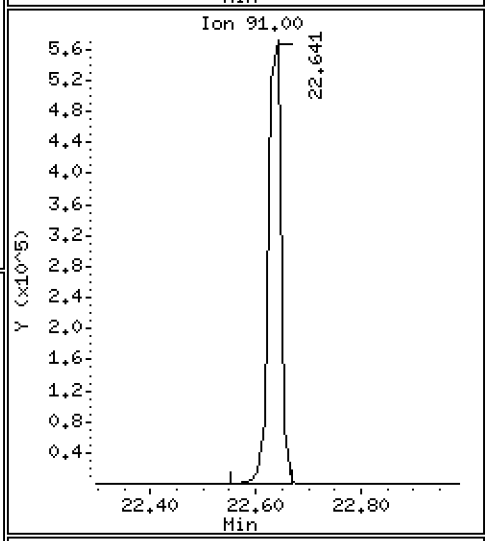


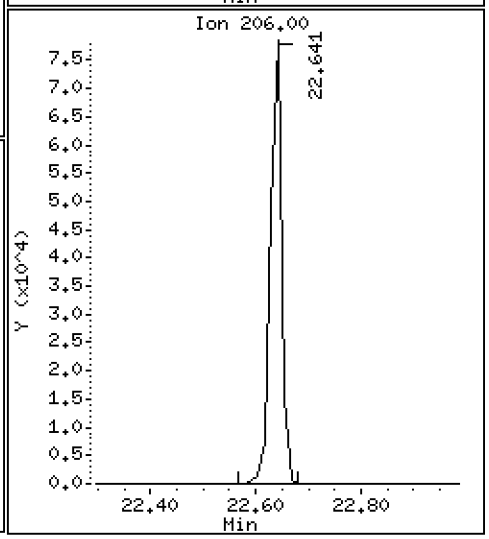












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

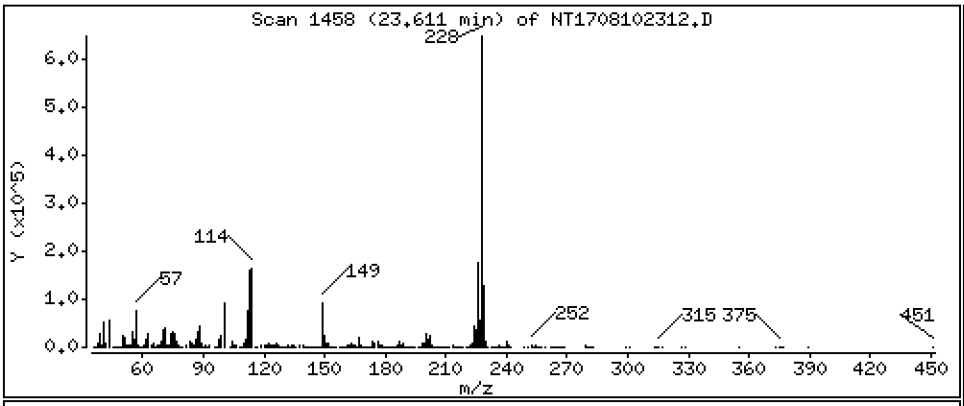
Operator: JGR

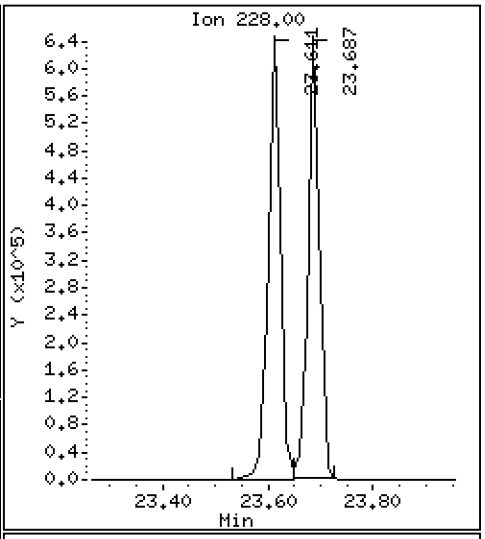
Column phase: ZB-5msi

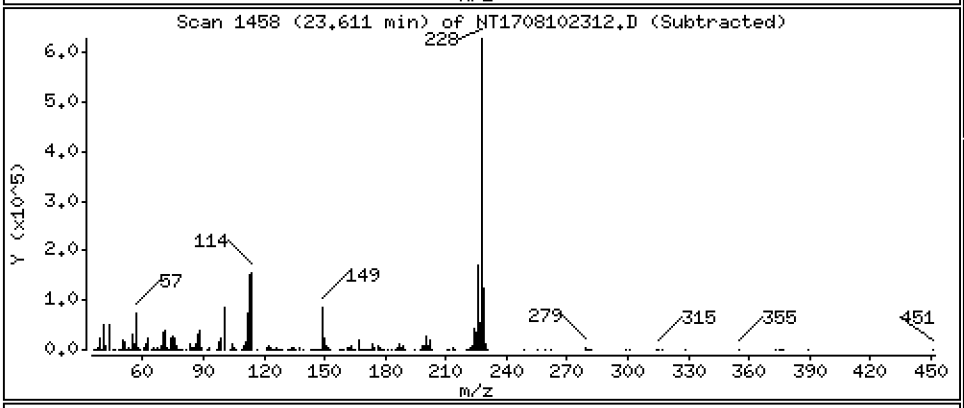
Column diameter: 0.25

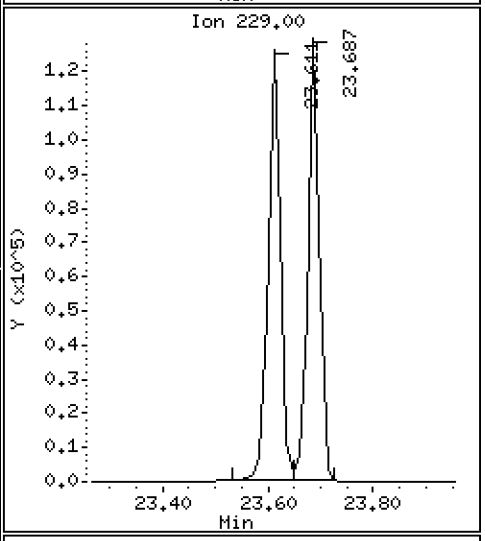
68 Benzo(a)anthracene

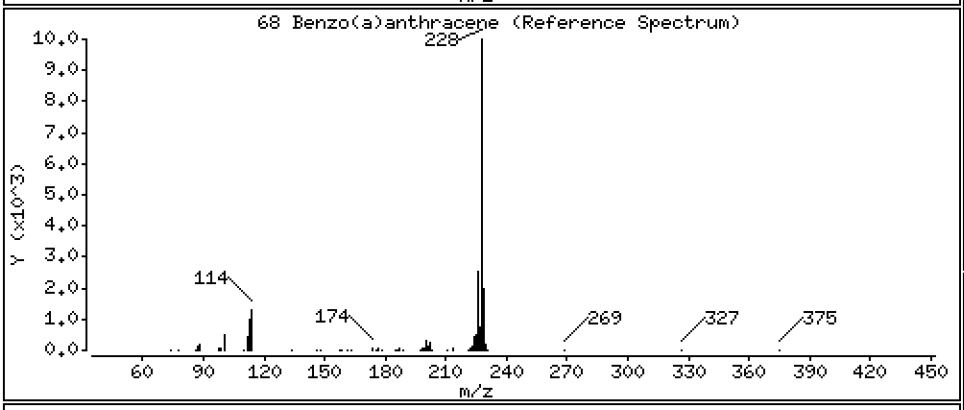
Concentration: 5.384 ug/mL

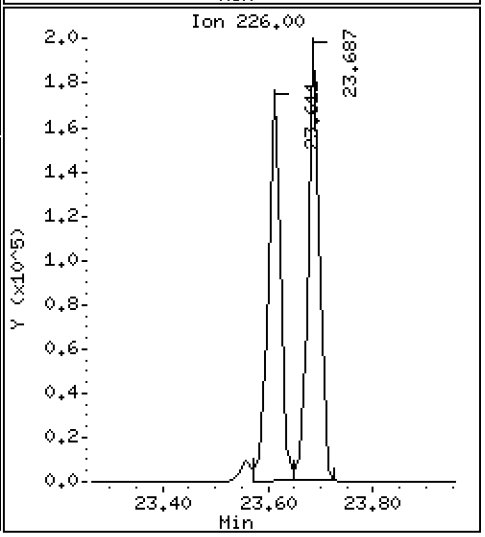


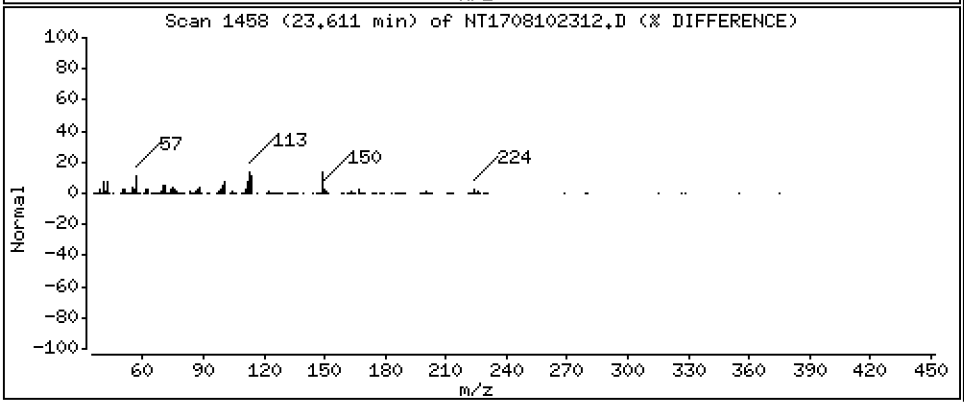












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

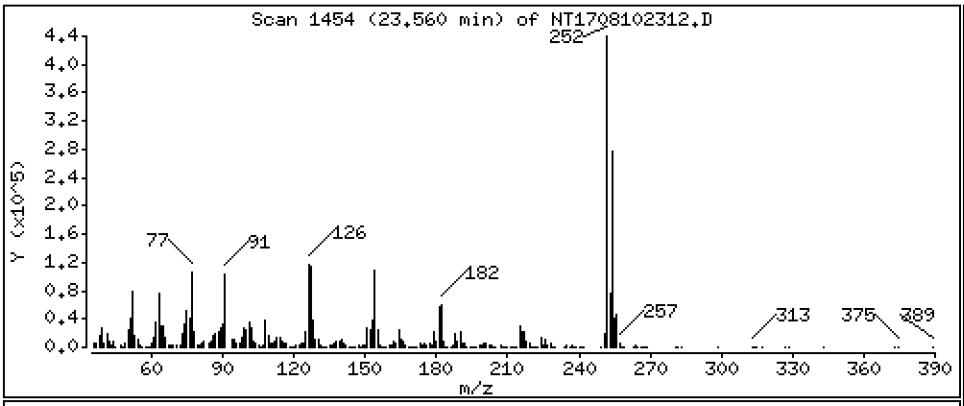
Operator: JGR

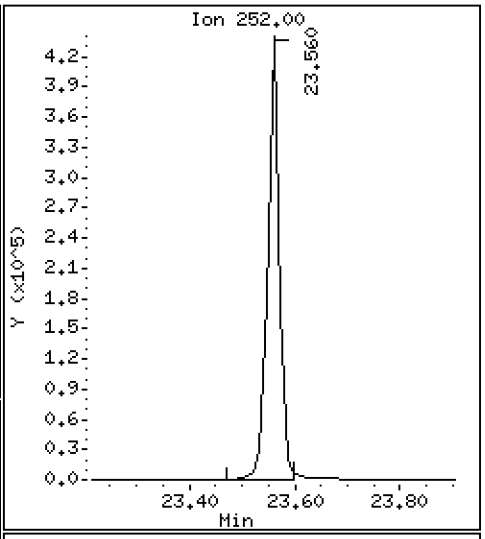
Column phase: ZB-5msi

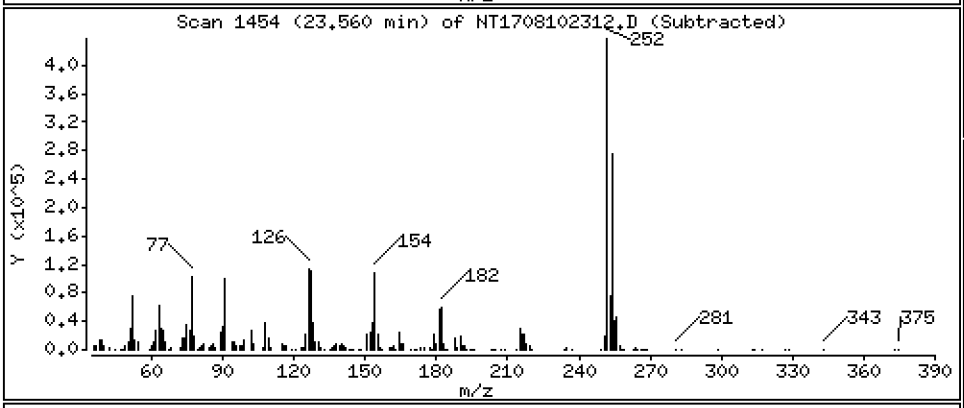
Column diameter: 0.25

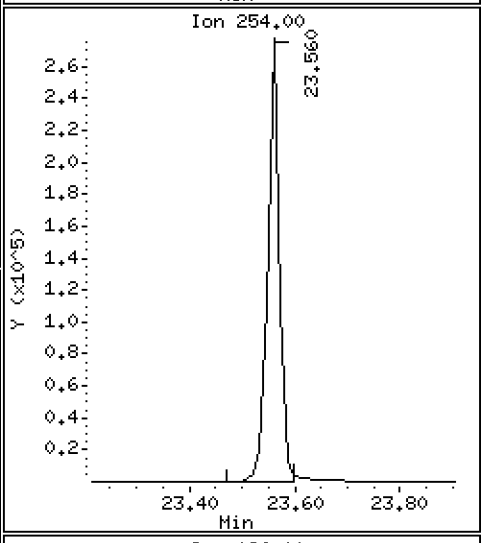
70 3,3'-Dichlorobenzidine

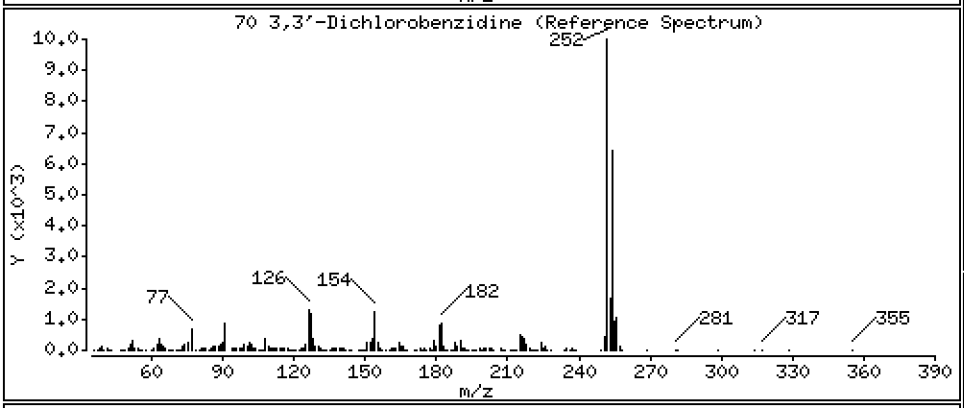
Concentration: 11.05 ug/mL

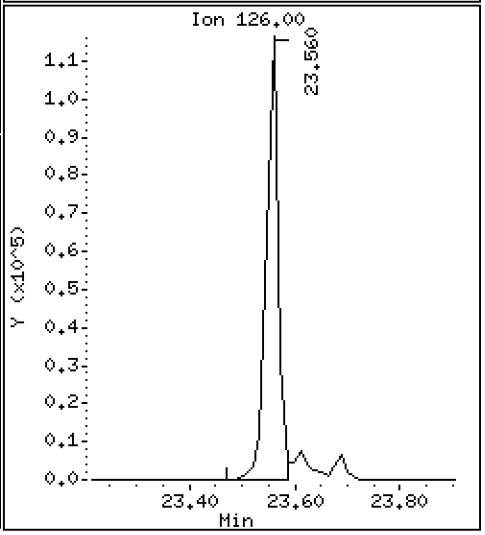


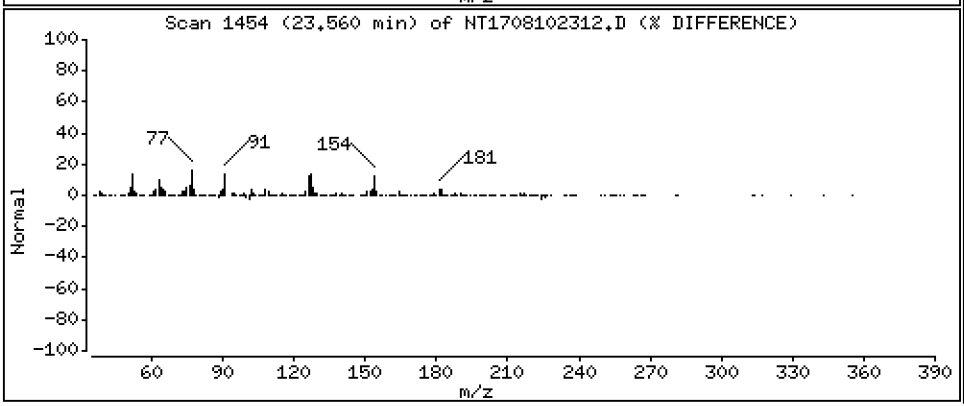












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

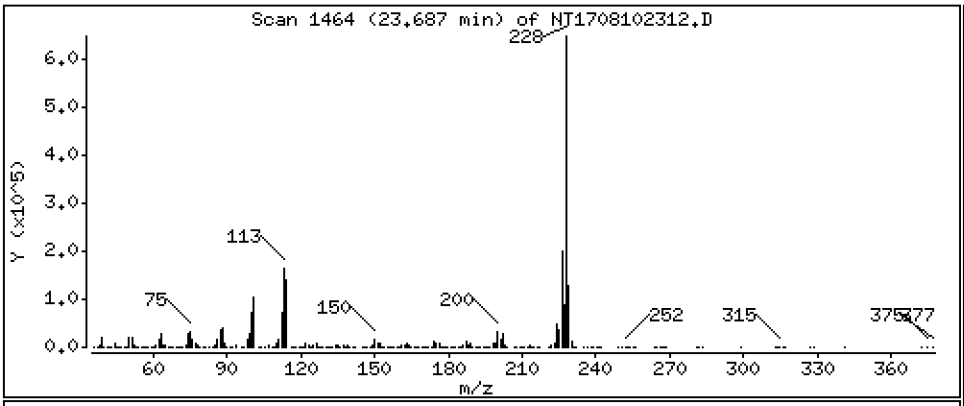
Operator: JGR

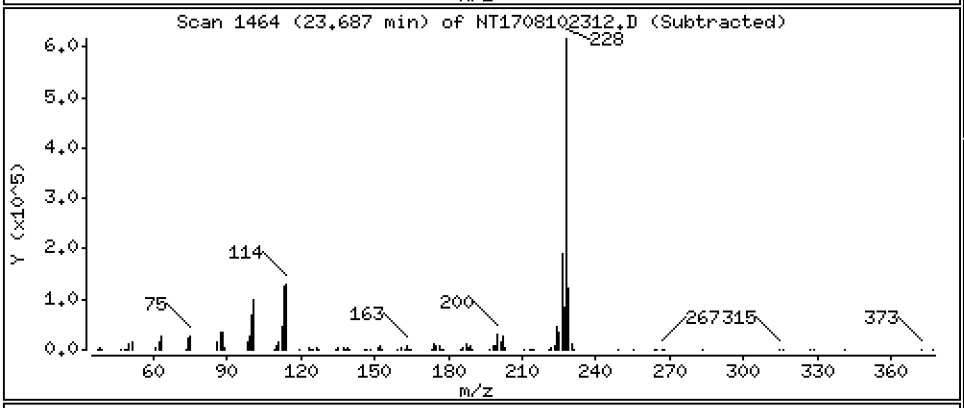
Column phase: ZB-5msi

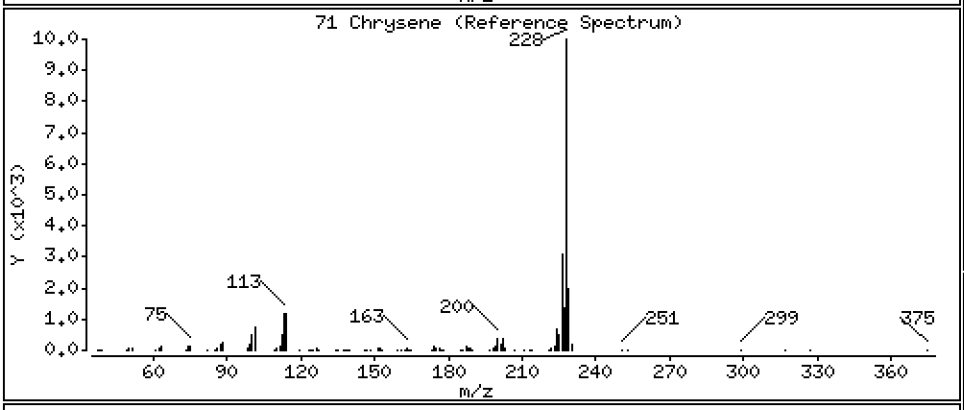
Column diameter: 0.25

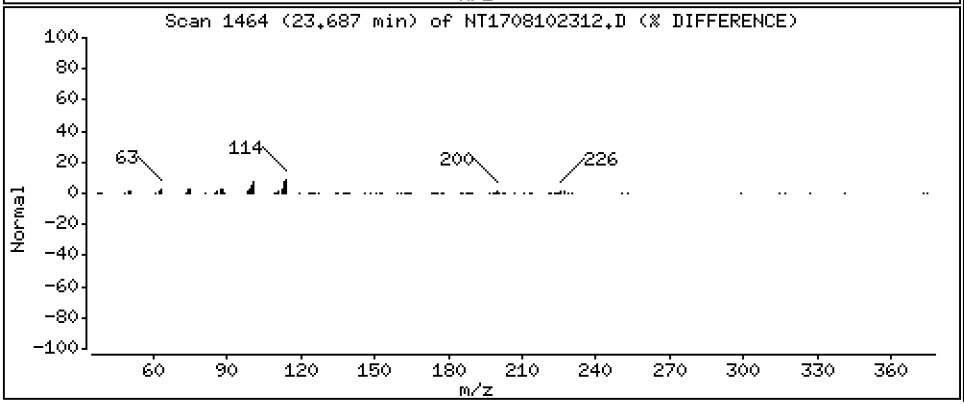
71 Chrysene

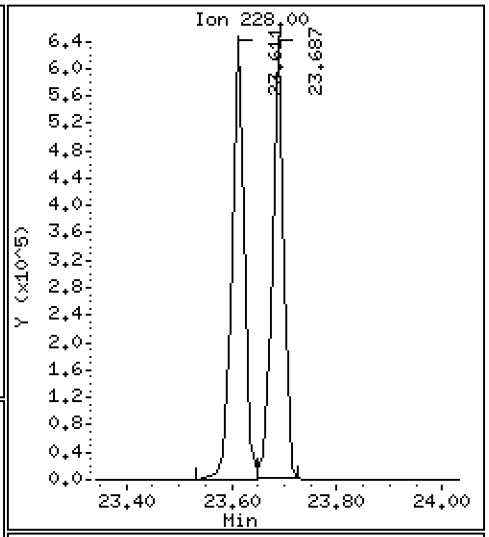
Concentration: 5.557 ug/mL

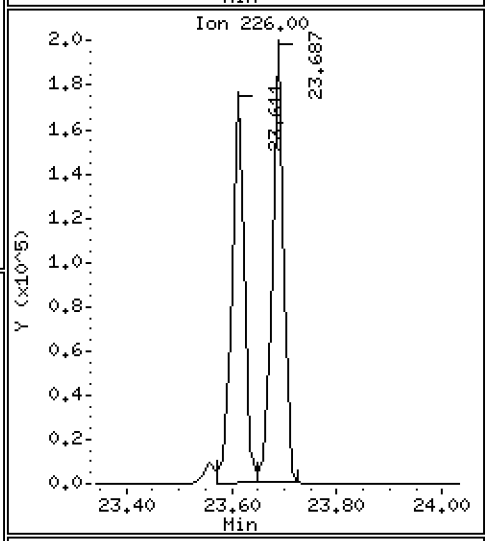


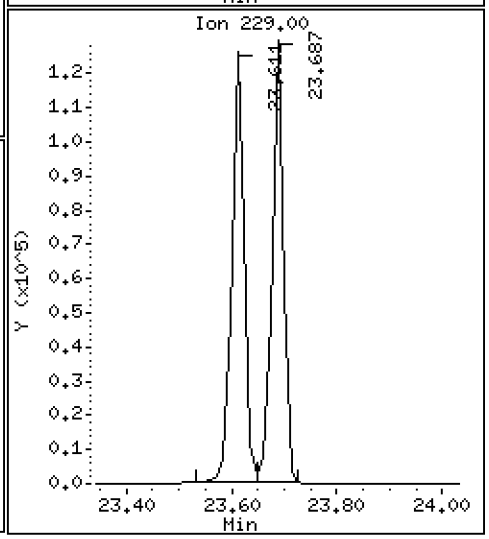












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

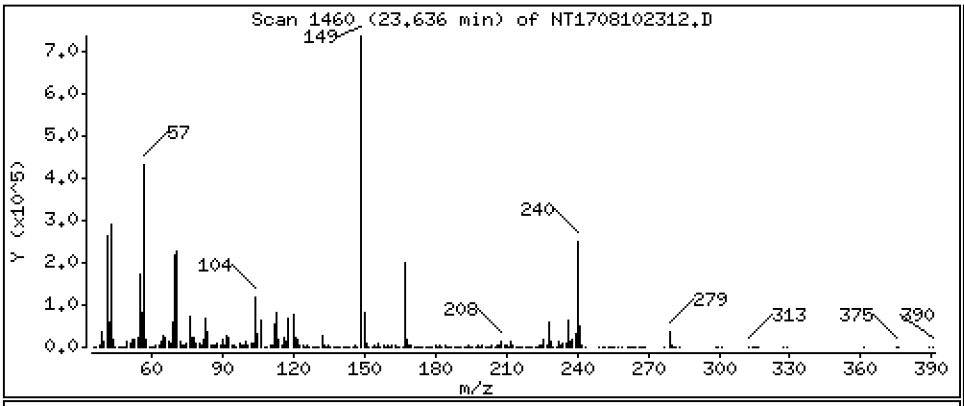
Operator: JGR

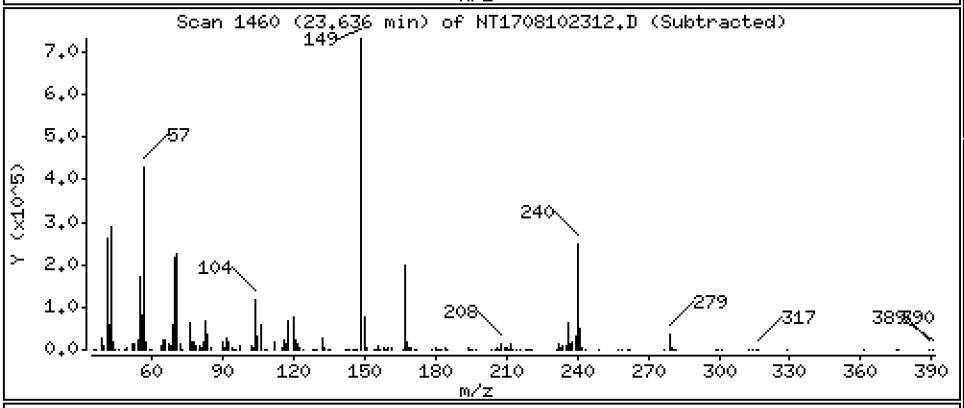
Column phase: ZB-5msi

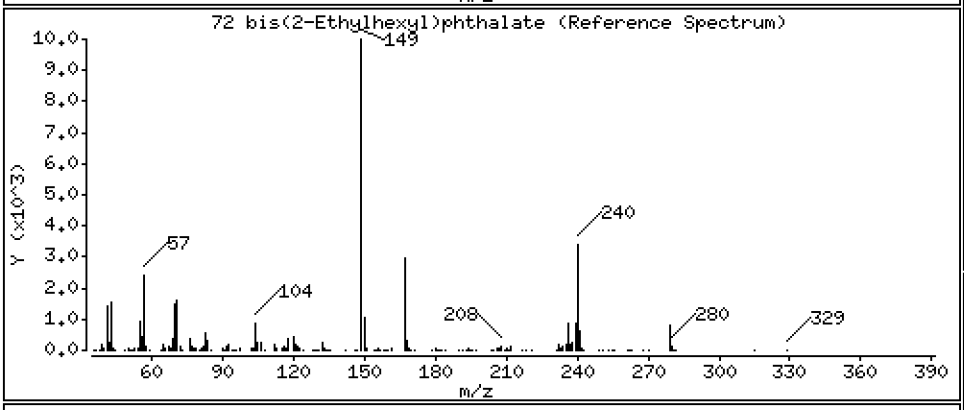
Column diameter: 0.25

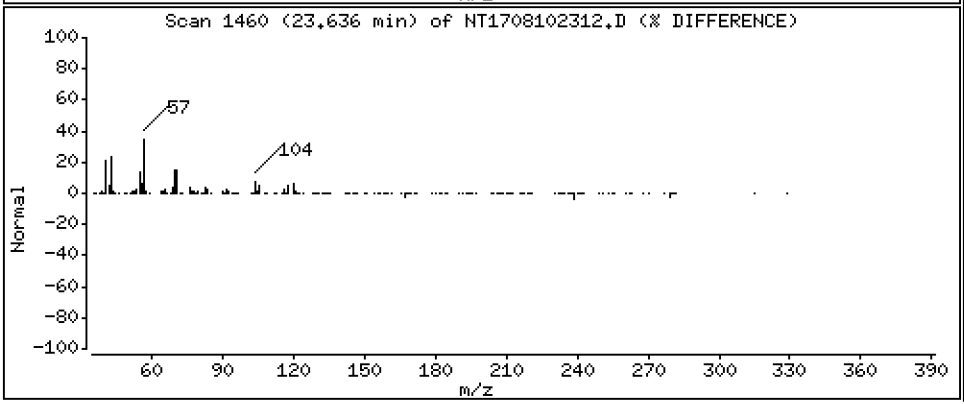
72 bis(2-Ethylhexyl)phthalate

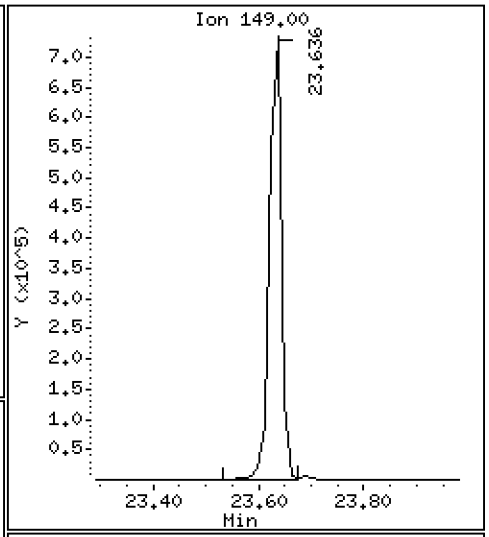
Concentration: 5.561 ug/mL

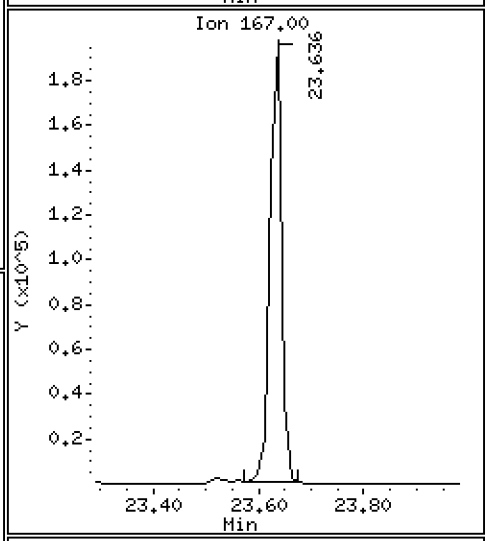


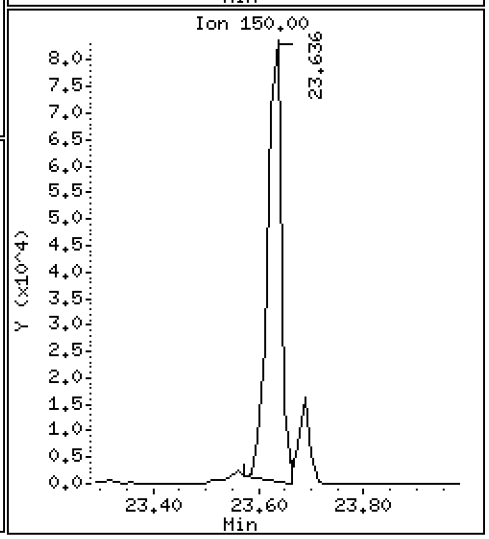












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

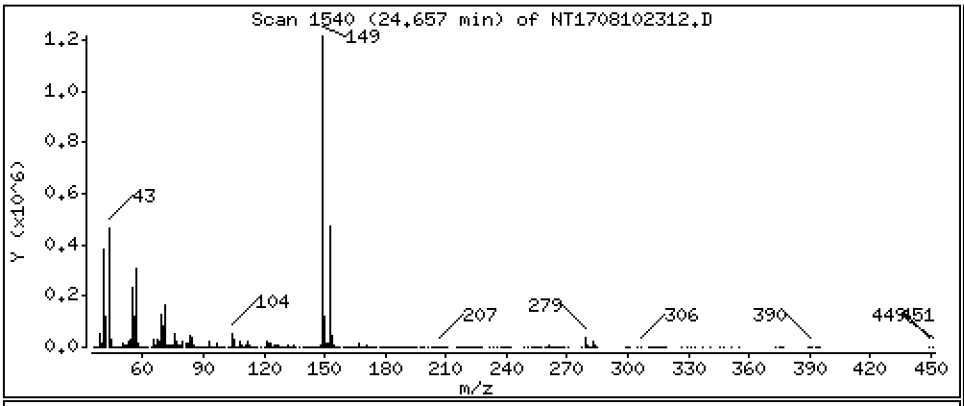
Operator: JGR

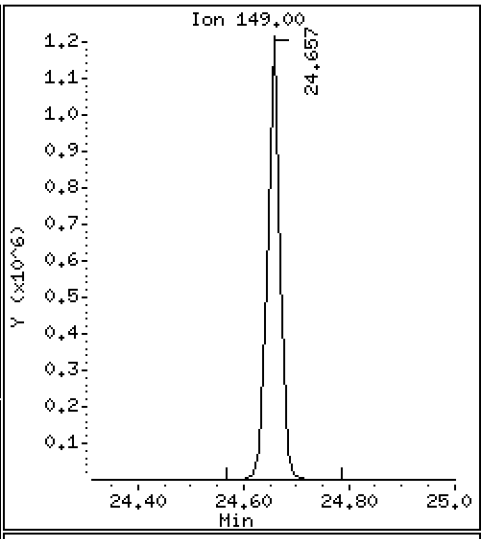
Column phase: ZB-5msi

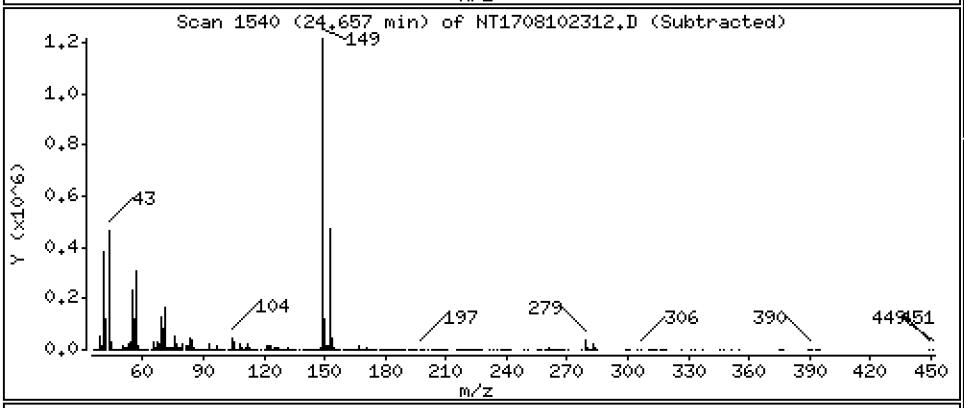
Column diameter: 0.25

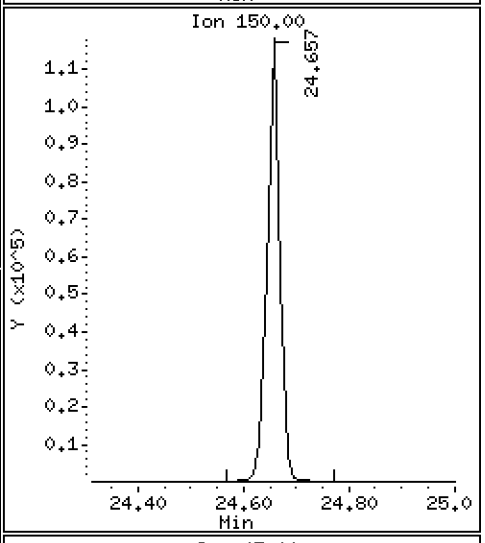
73 Di-n-octylphthalate

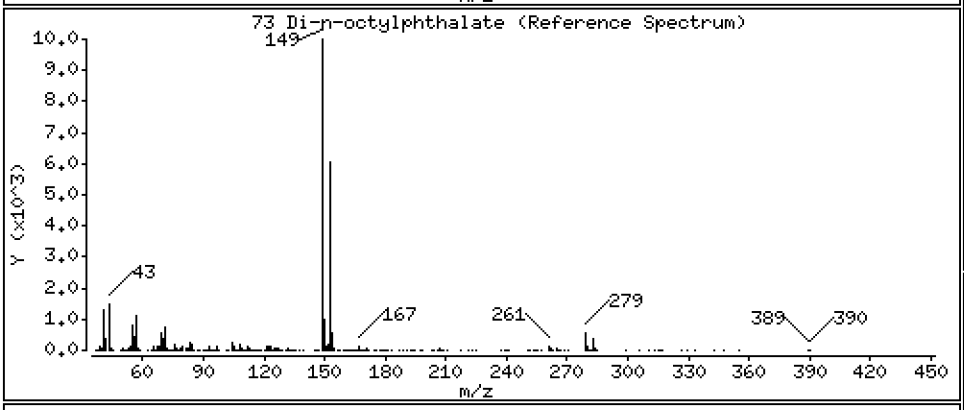
Concentration: 5.600 ug/mL

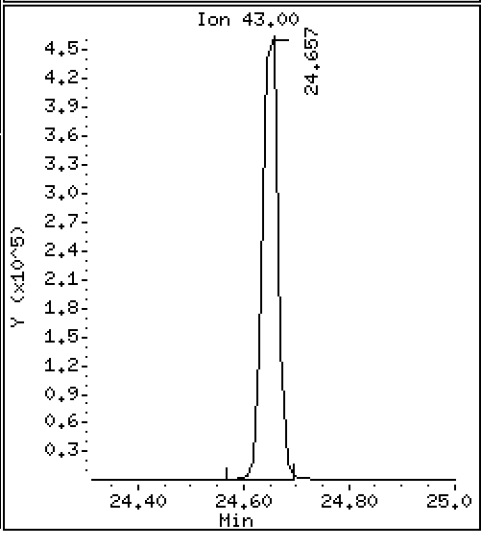


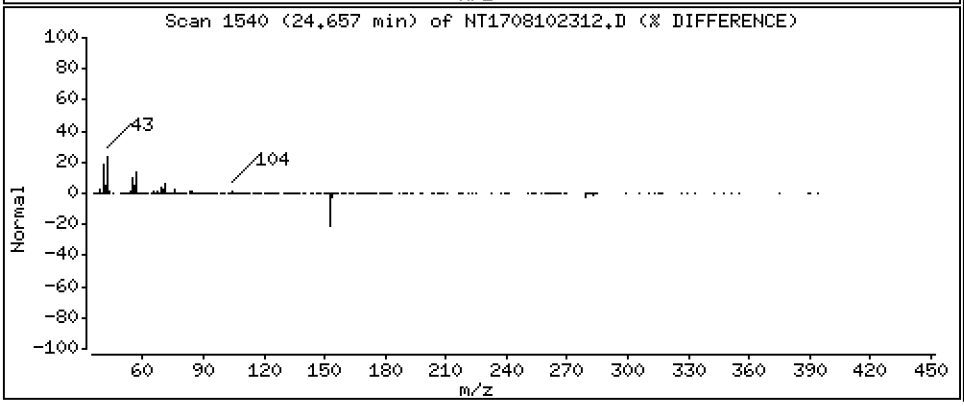












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

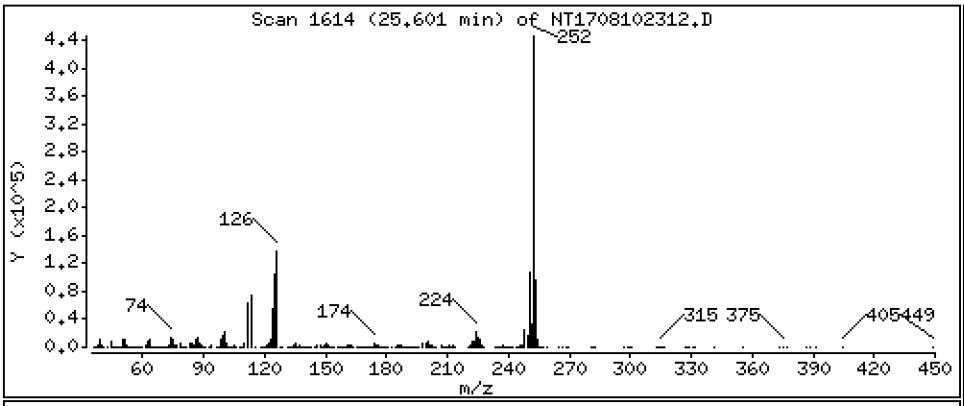
Operator: JGR

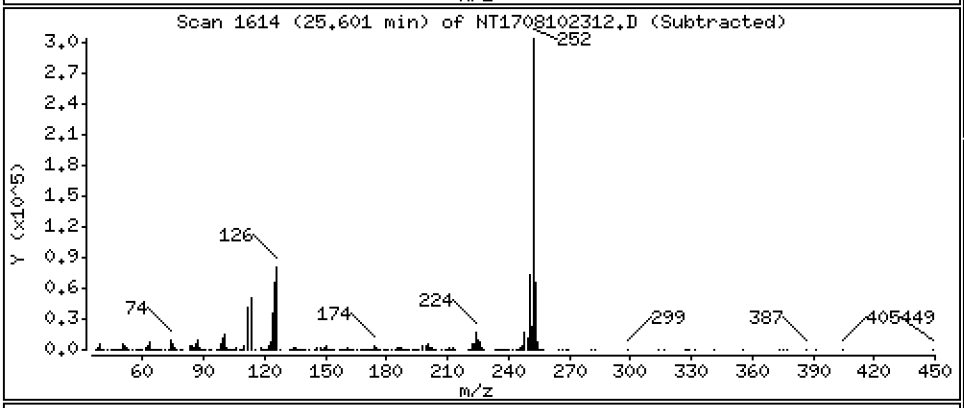
Column phase: ZB-5msi

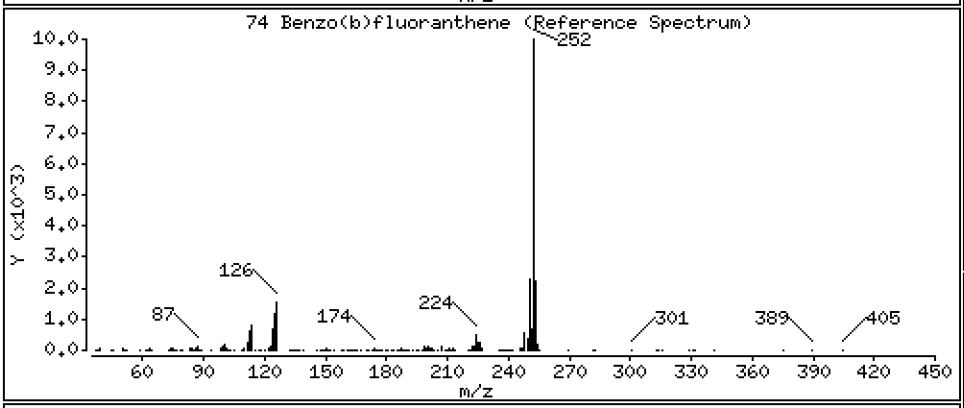
Column diameter: 0.25

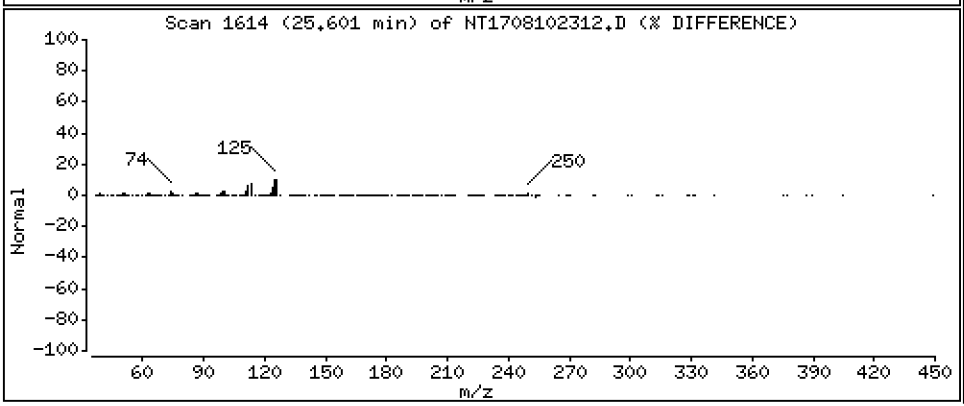
74 Benzo(b)fluoranthene

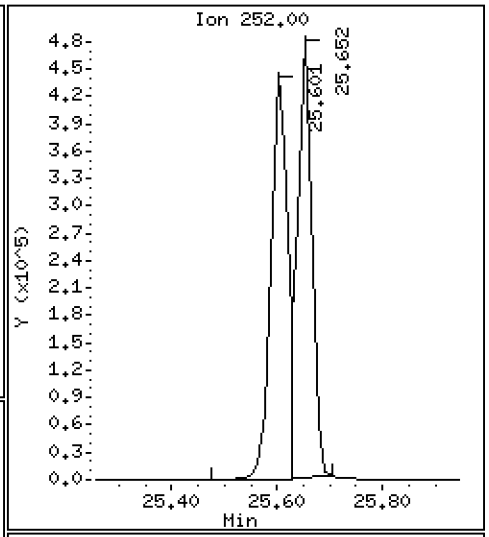
Concentration: 4.671 ug/mL

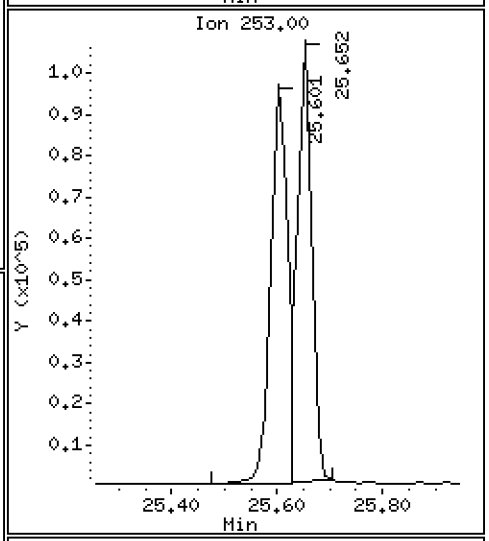


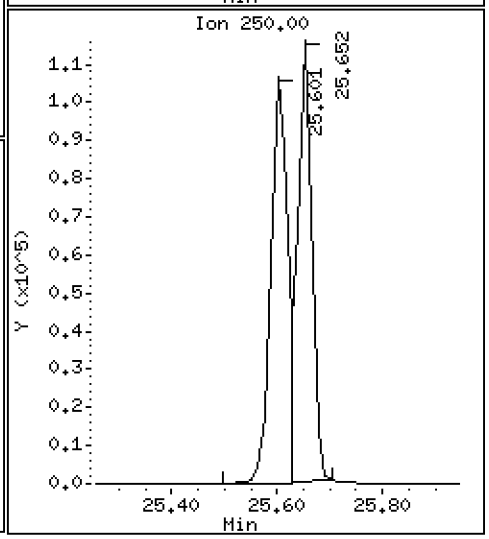












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

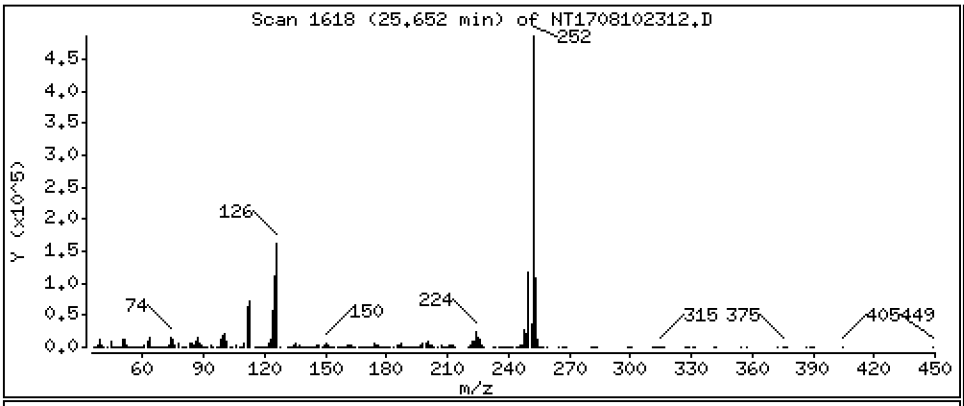
Operator: JGR

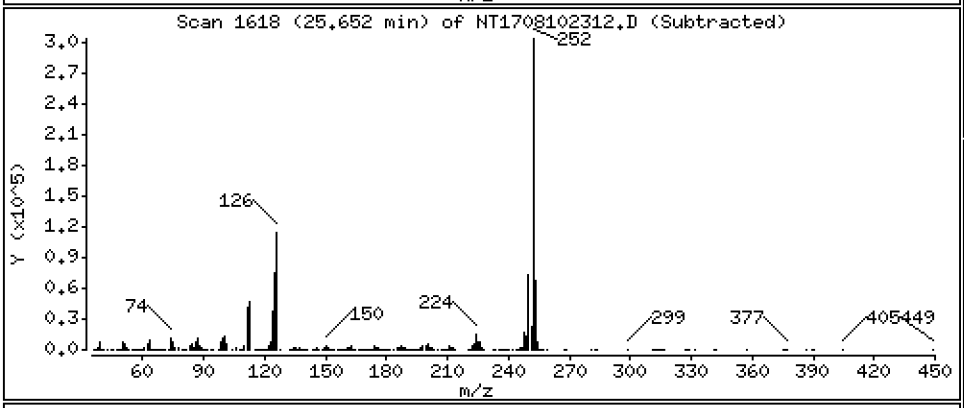
Column phase: ZB-5msi

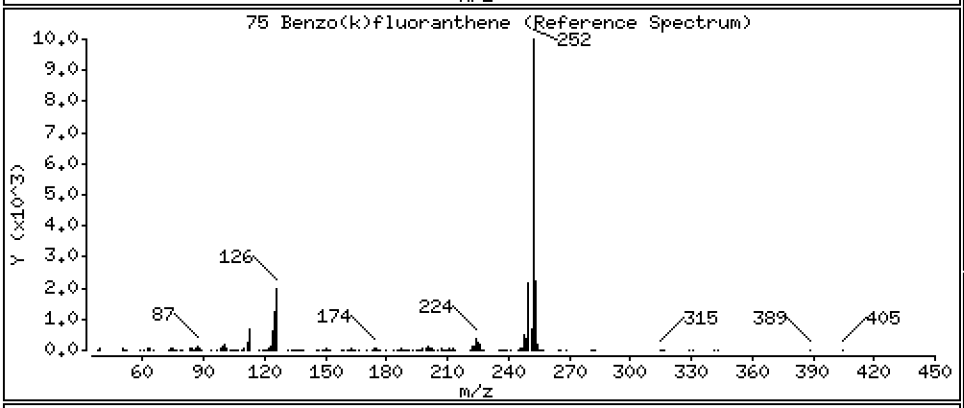
Column diameter: 0.25

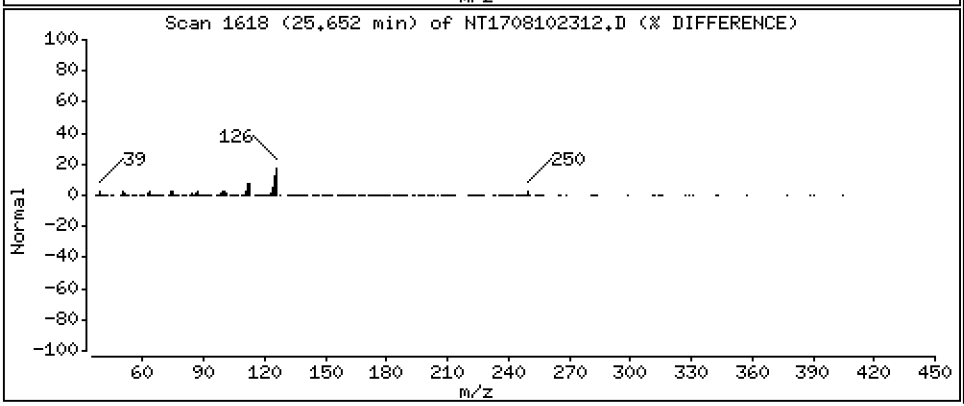
75 Benzo(k)fluoranthene

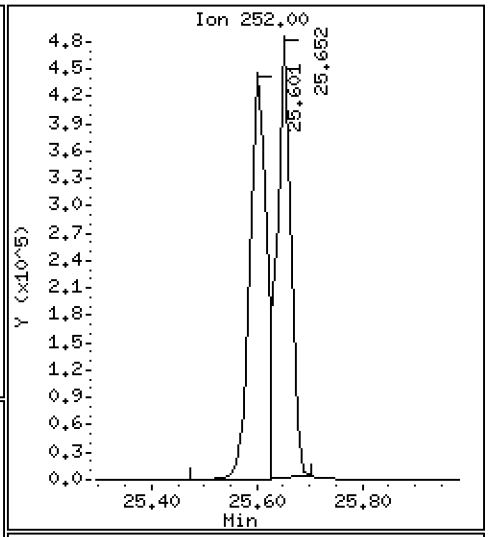
Concentration: 5.408 ug/mL

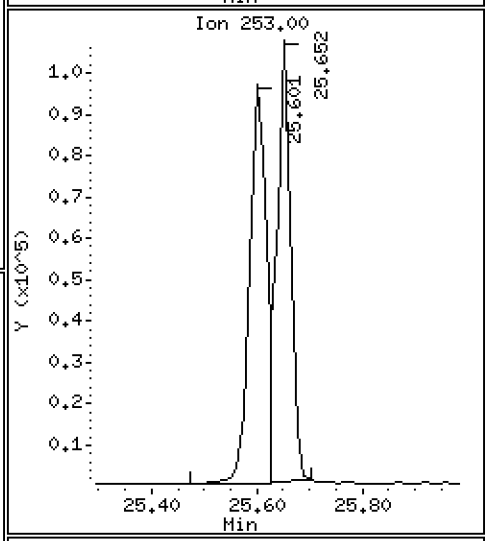


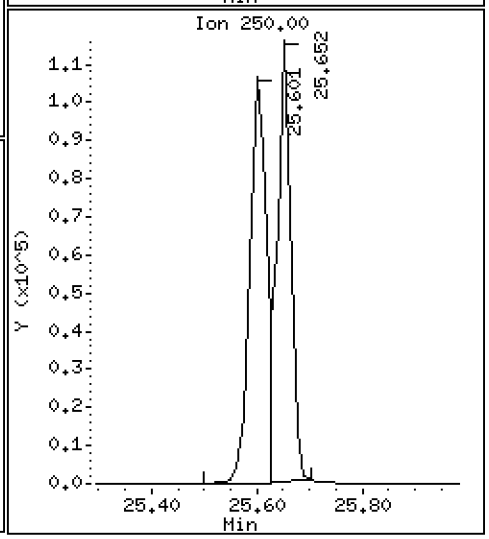












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

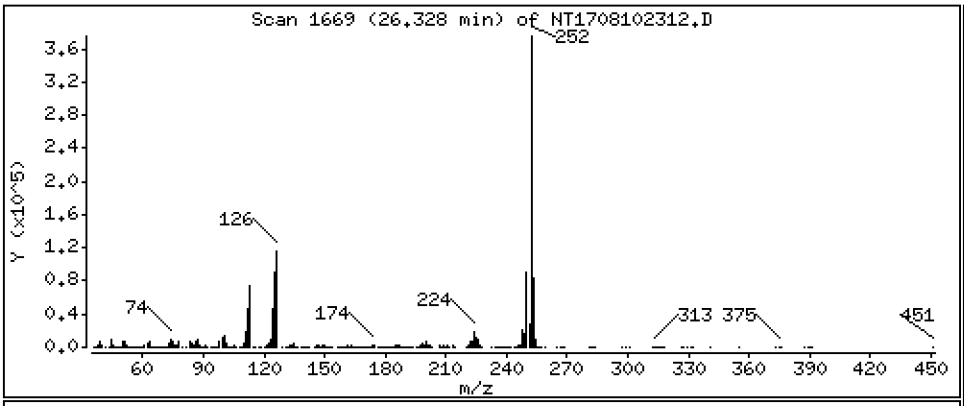
Operator: JGR

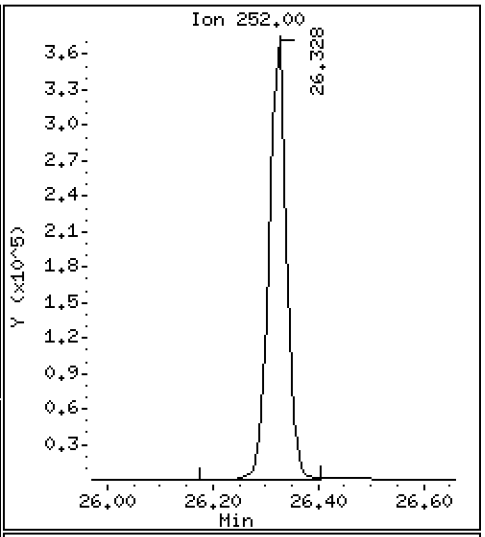
Column phase: ZB-5msi

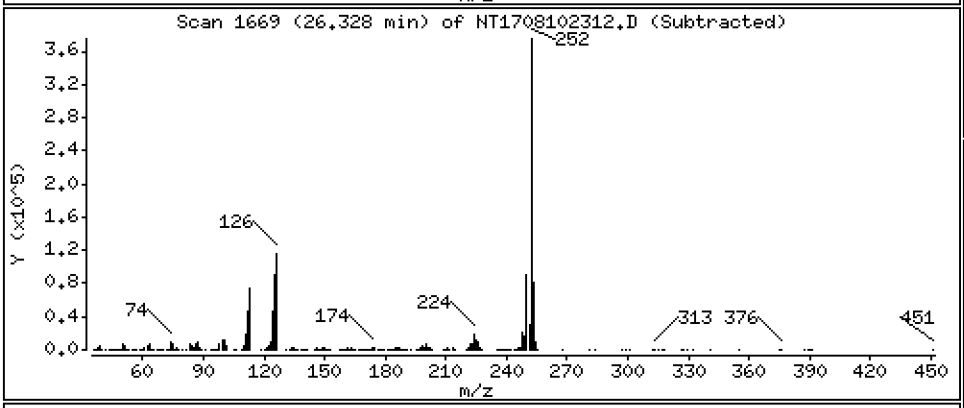
Column diameter: 0.25

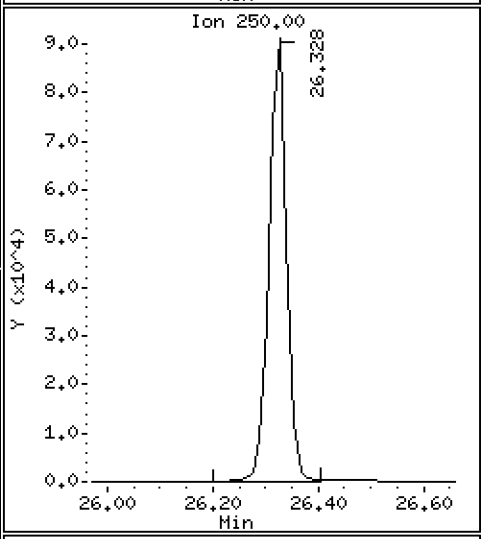
76 Benzo(a)pyrene

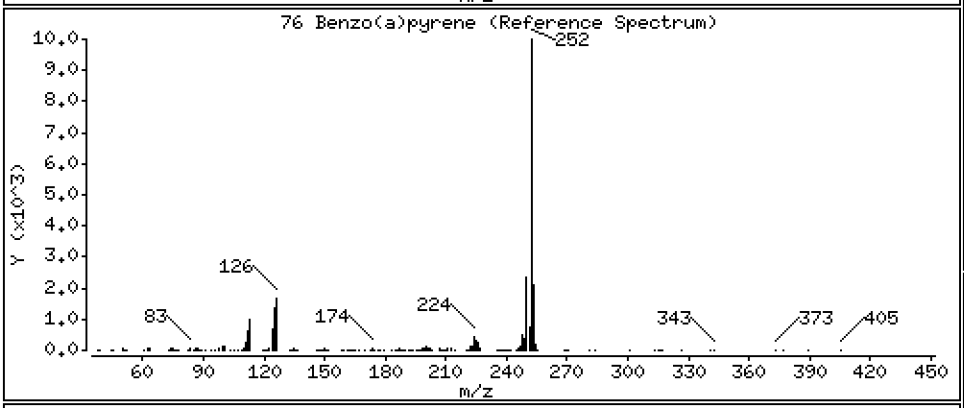
Concentration: 5.201 ug/mL

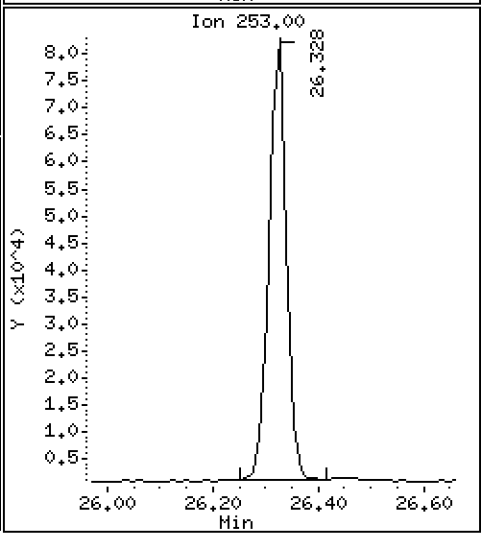


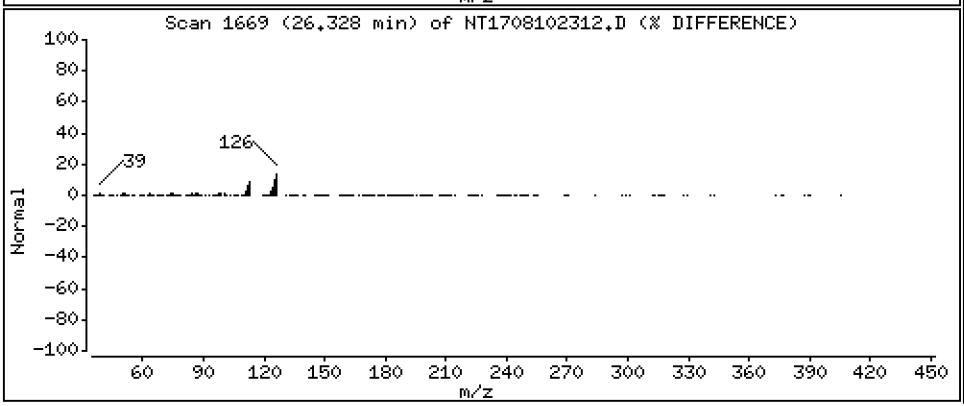












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

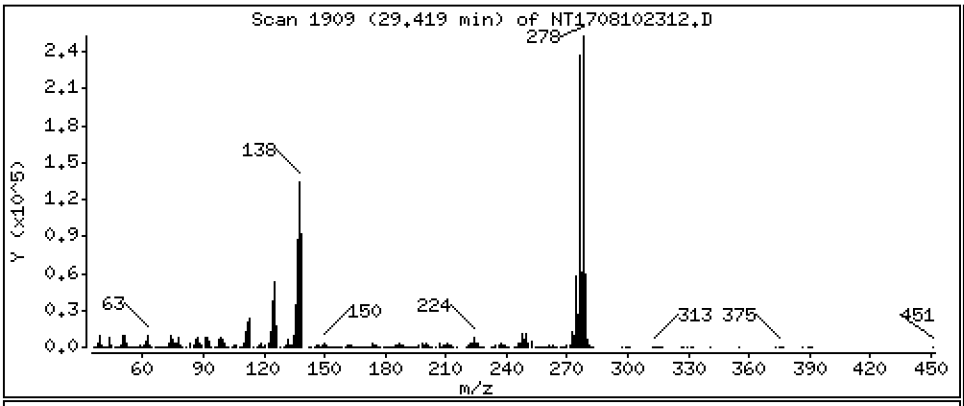
Operator: JGR

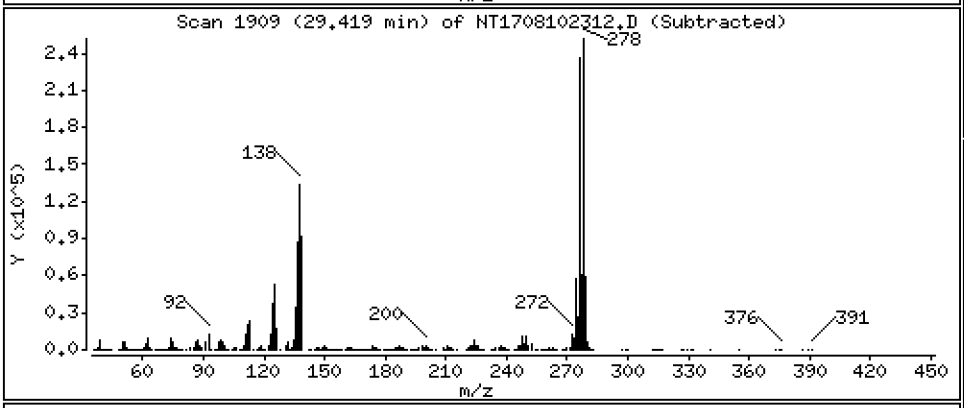
Column phase: ZB-5msi

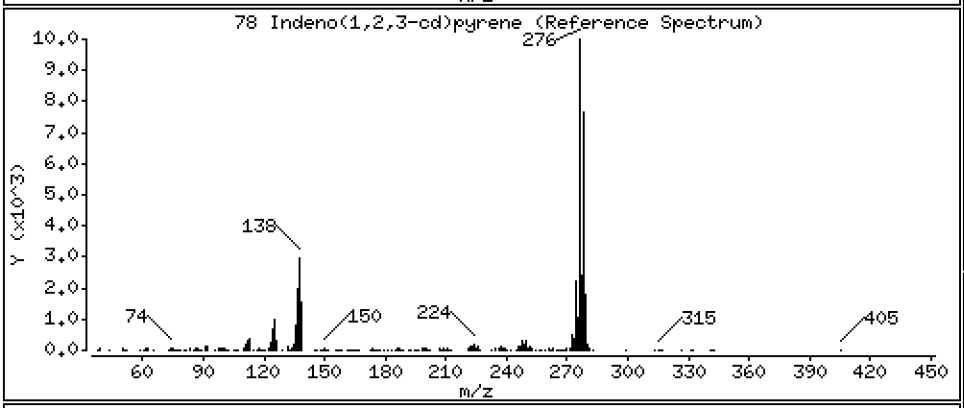
Column diameter: 0.25

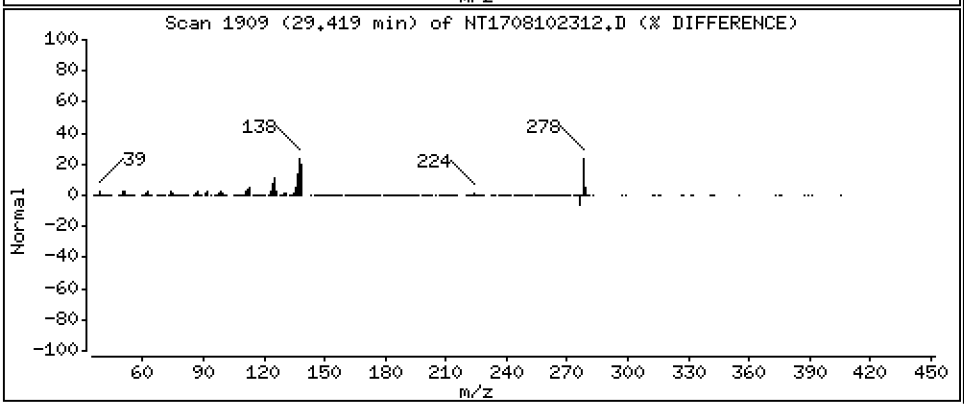
78 Indeno(1,2,3-cd)pyrene

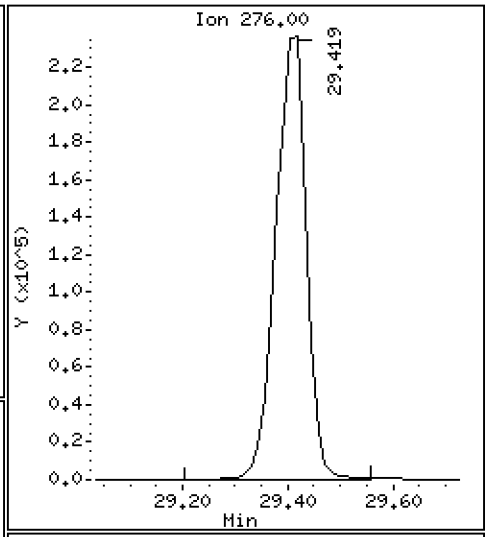
Concentration: 4.765 ug/mL

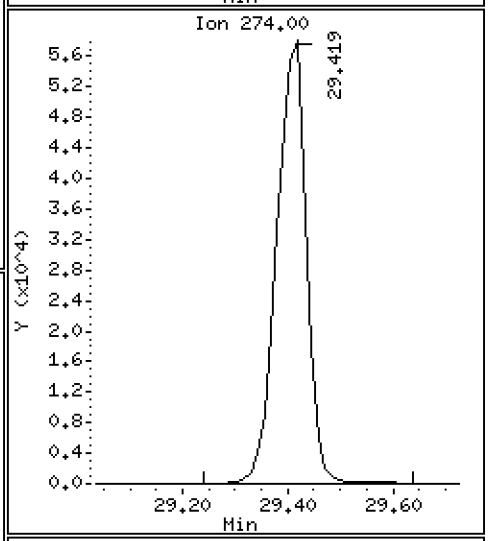


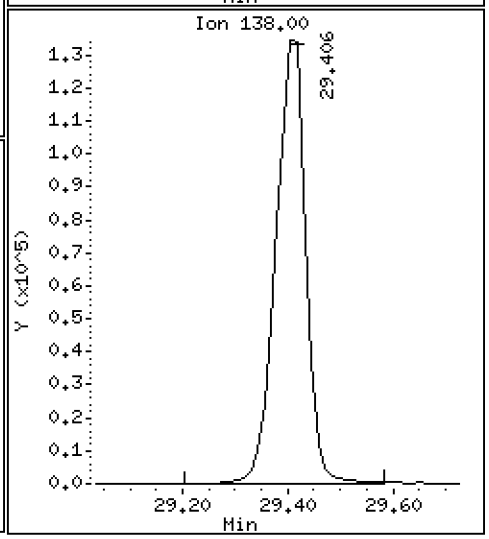












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

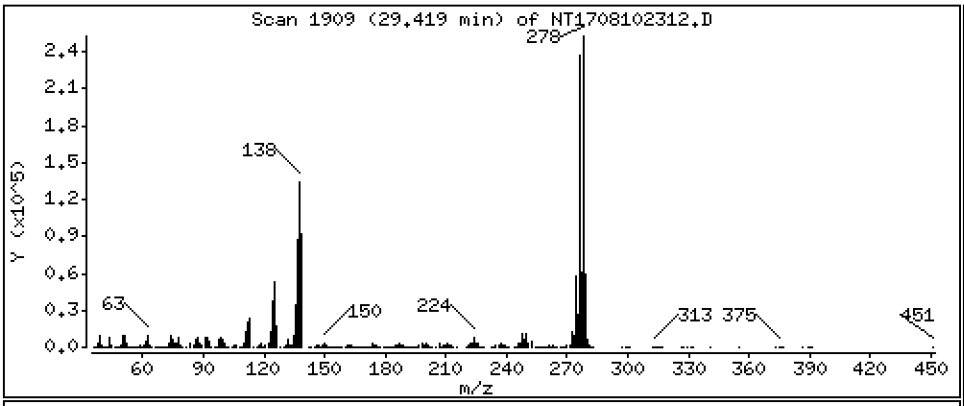
Operator: JGR

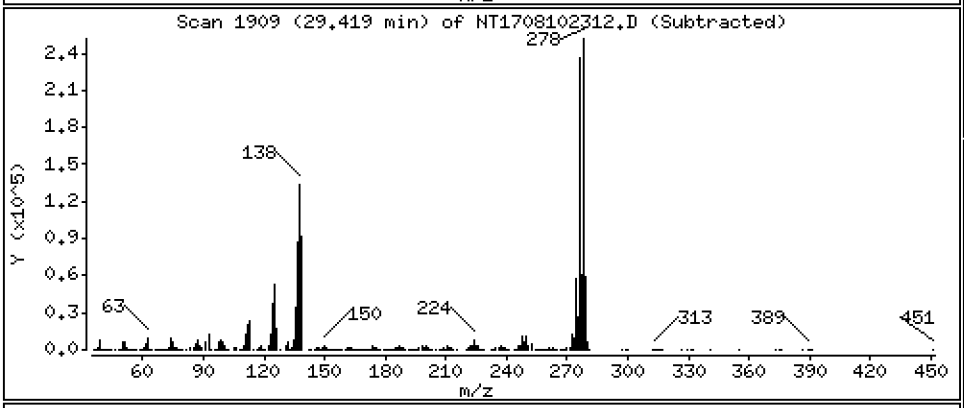
Column phase: ZB-5msi

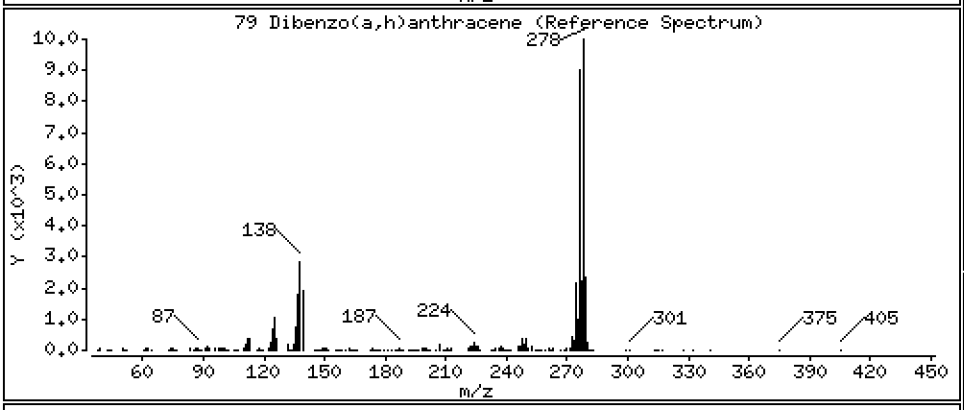
Column diameter: 0.25

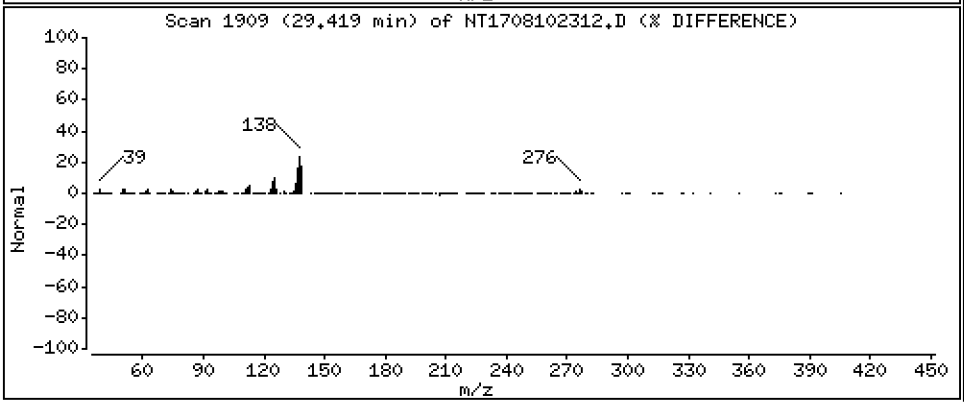
79 Dibenzo(a,h)anthracene

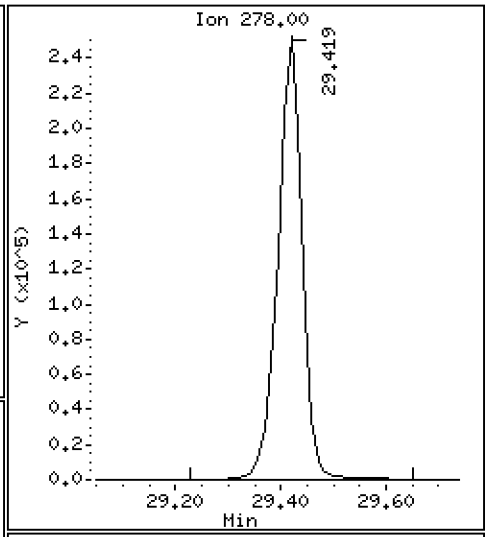
Concentration: 4.553 ug/mL

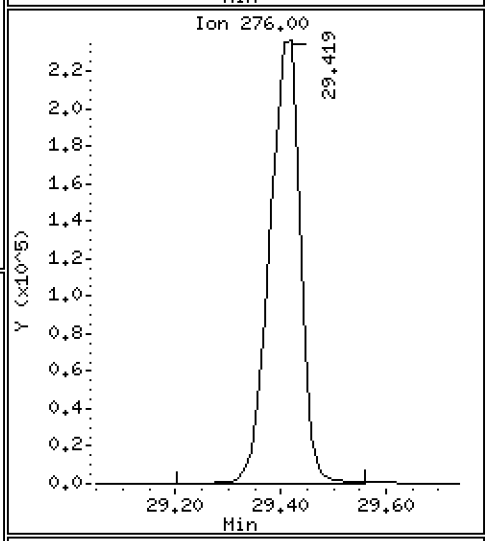


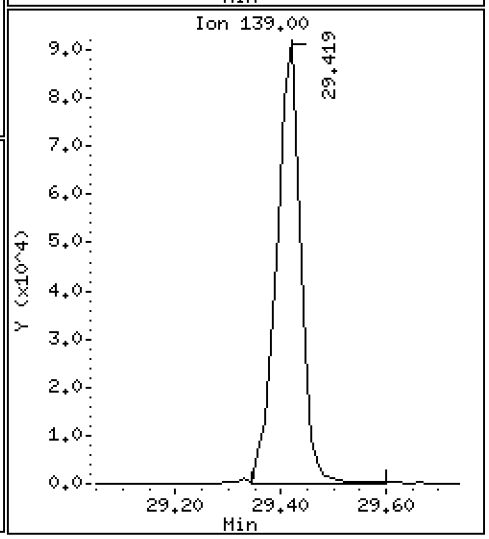












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

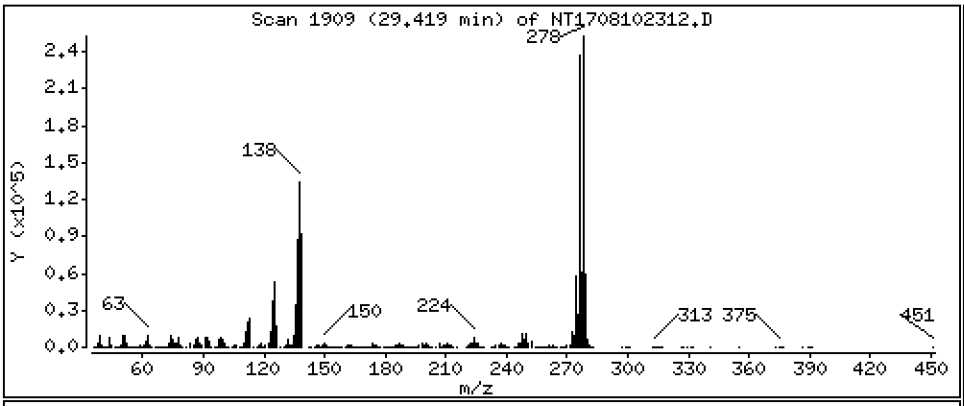
Operator: JGR

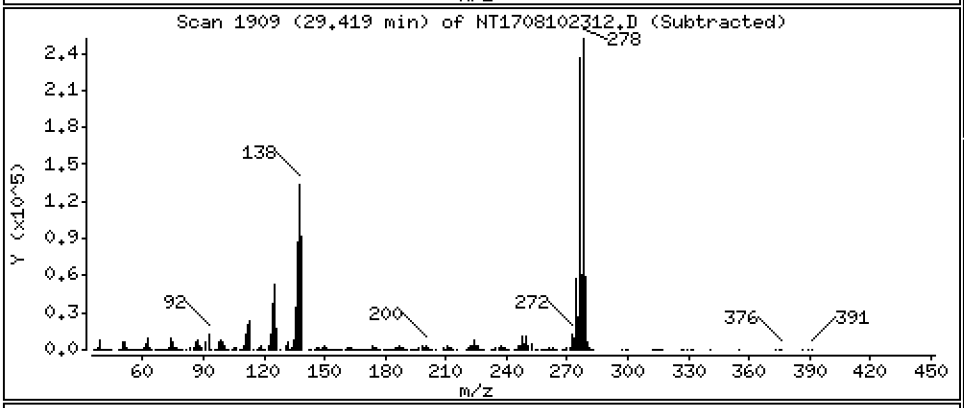
Column phase: ZB-5msi

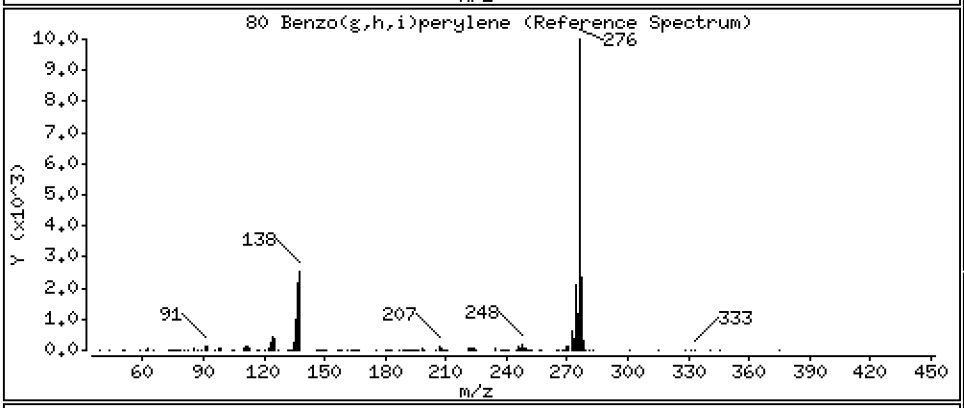
Column diameter: 0.25

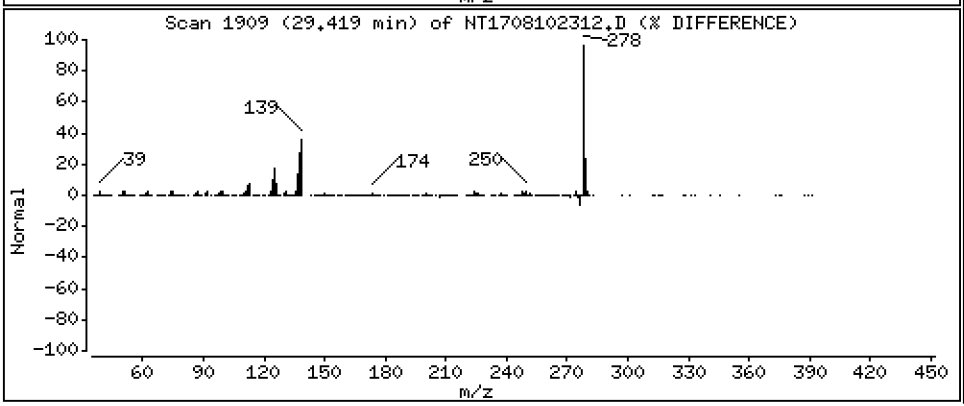
80 Benzo(g,h,i)perylene

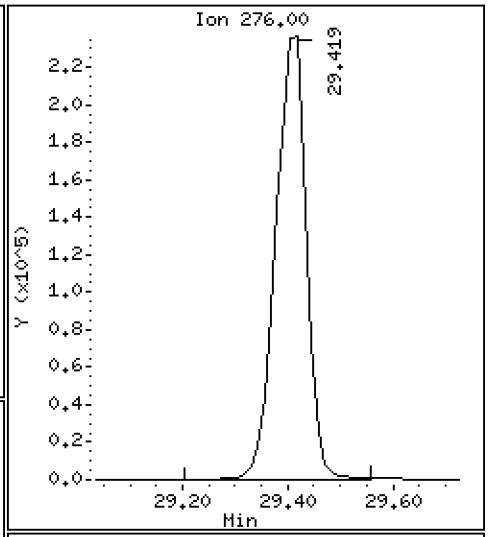
Concentration: 4.765 ug/mL

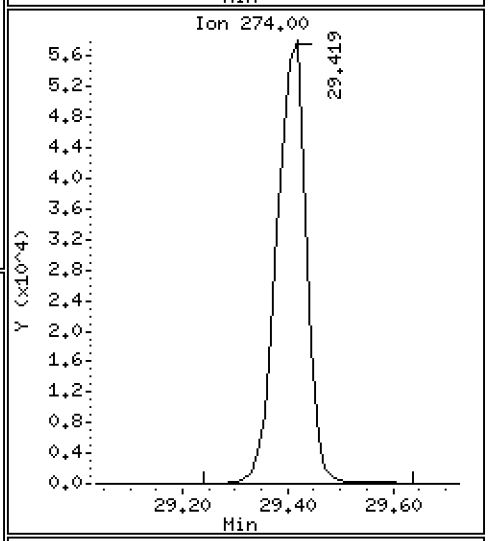


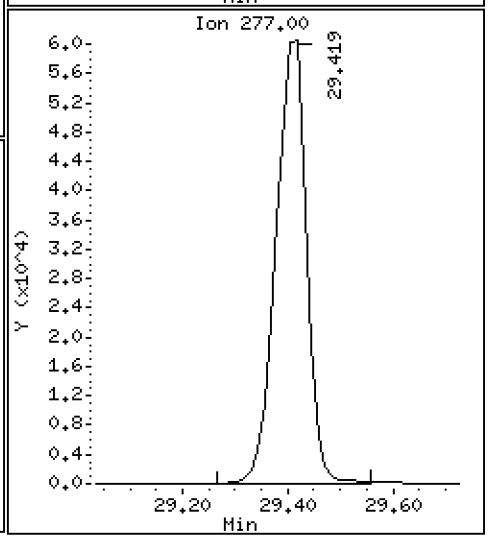












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

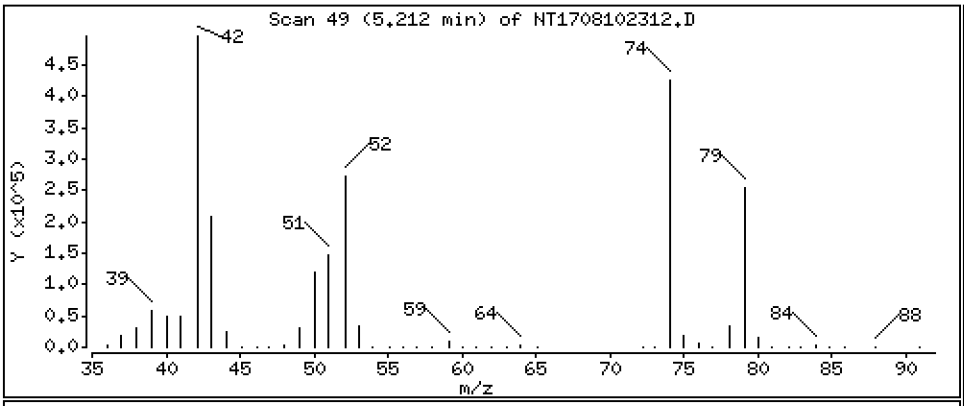
Operator: JGR

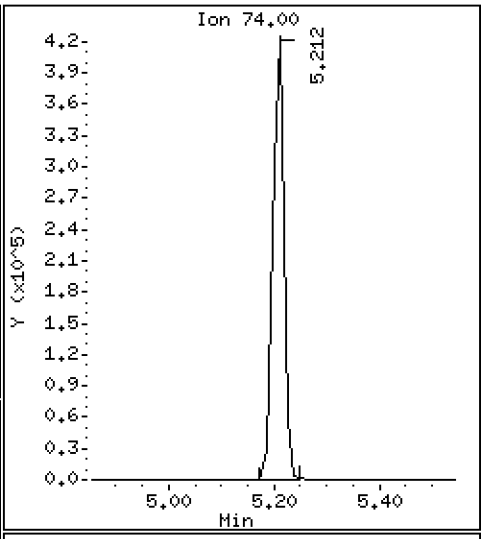
Column phase: ZB-5msi

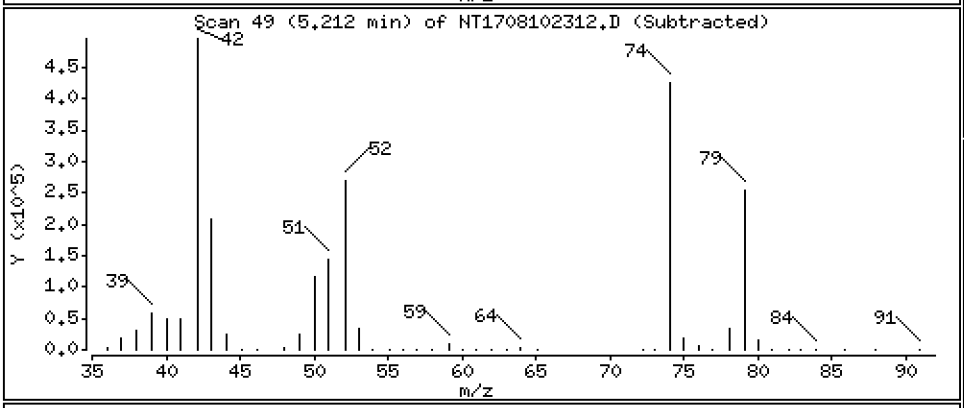
Column diameter: 0.25

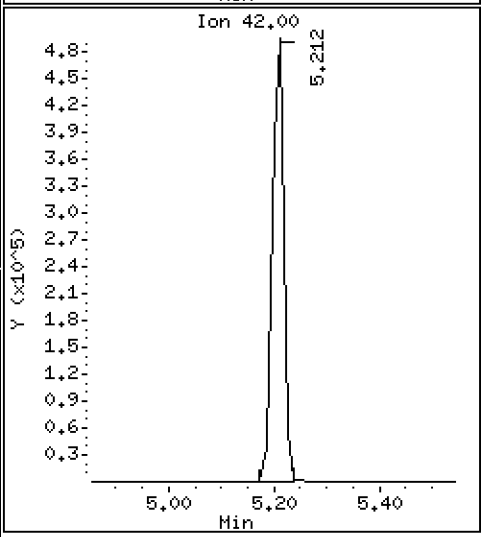
90 N-Nitrosodimethylamine

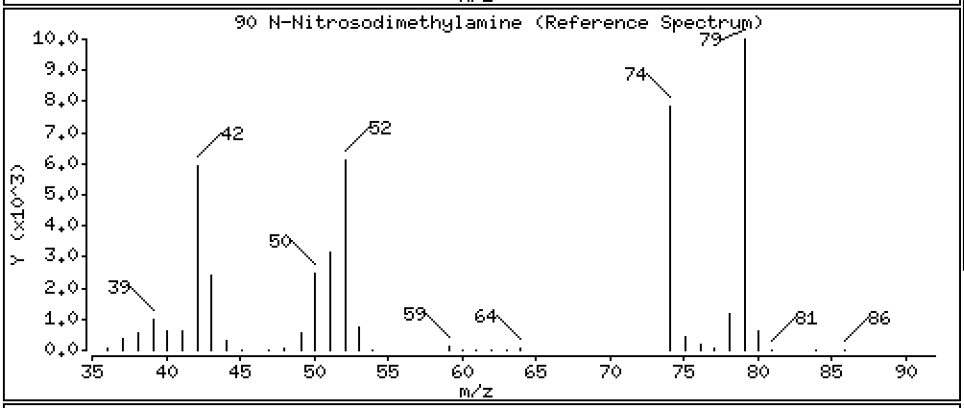
Concentration: 5.576 ug/mL

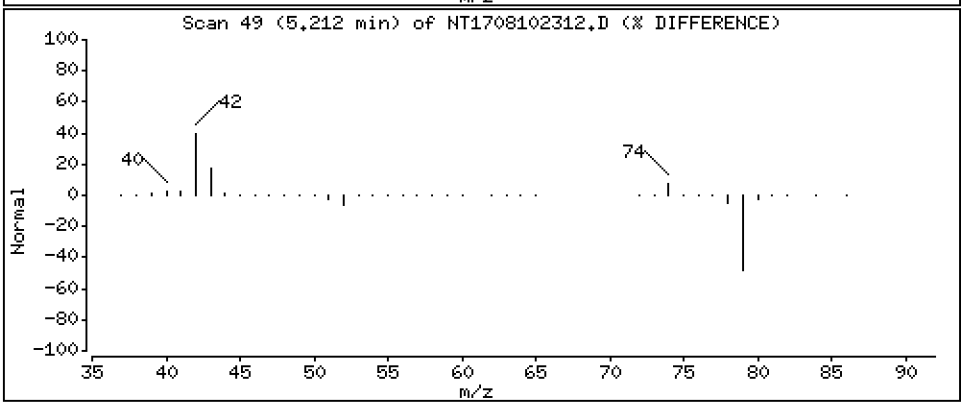












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

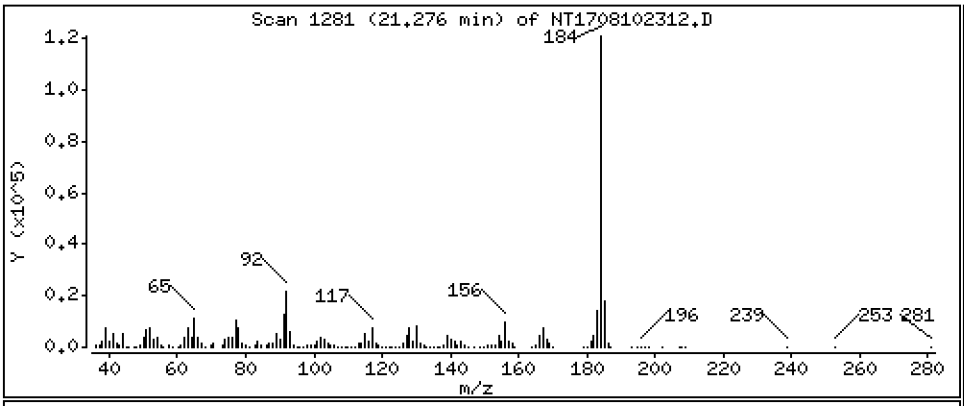
Operator: JGR

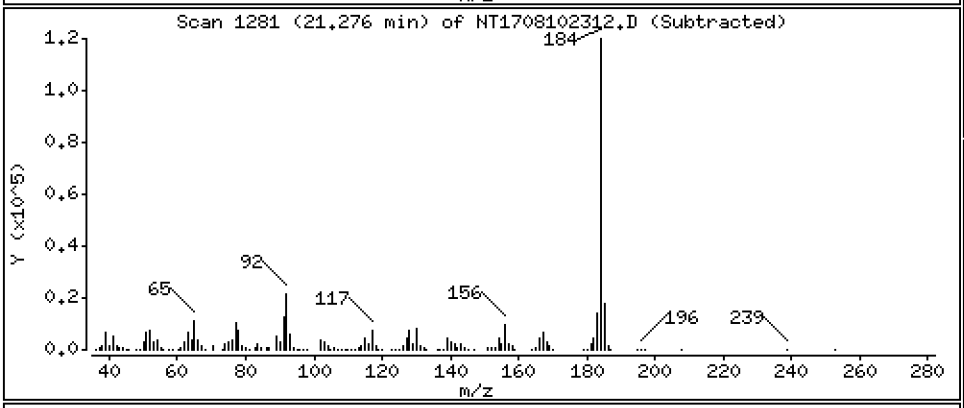
Column phase: ZB-5msi

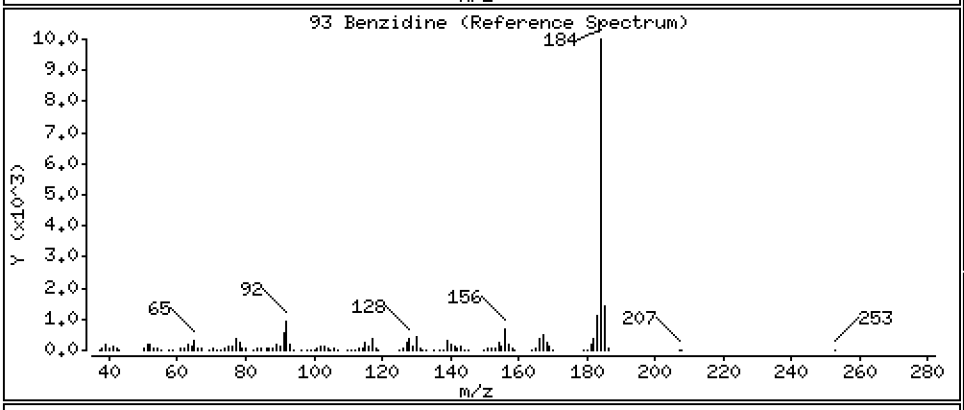
Column diameter: 0.25

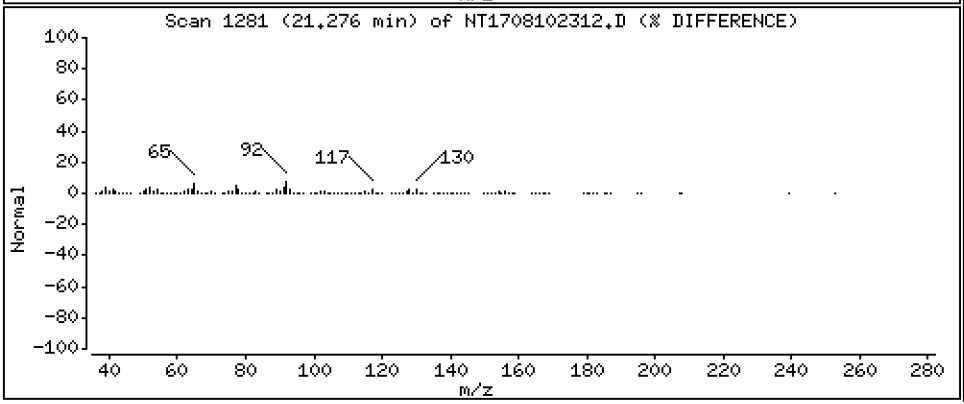
93 Benzidine

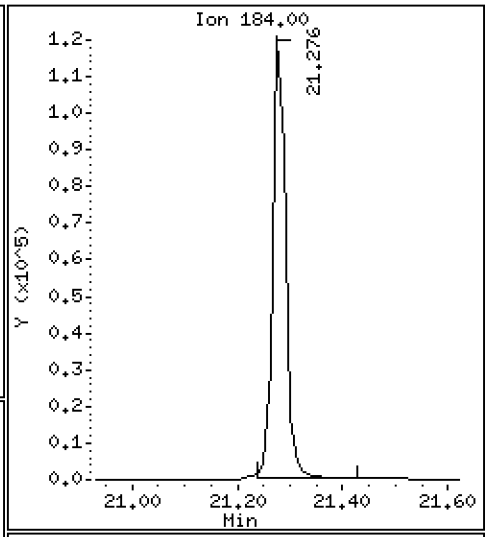
Concentration: 2.026 ug/mL

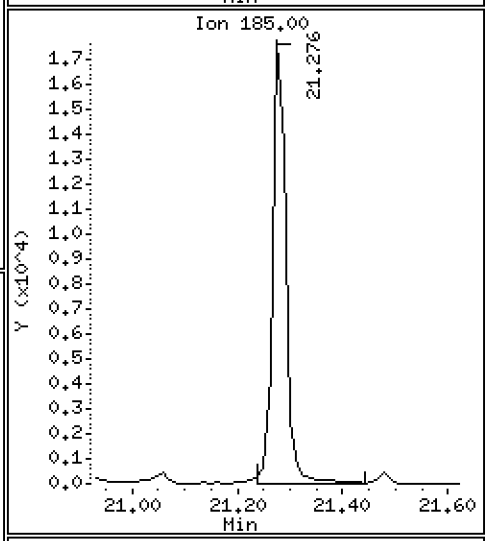


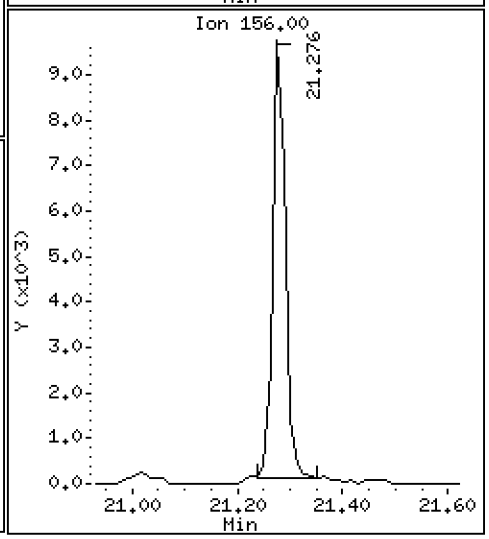












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

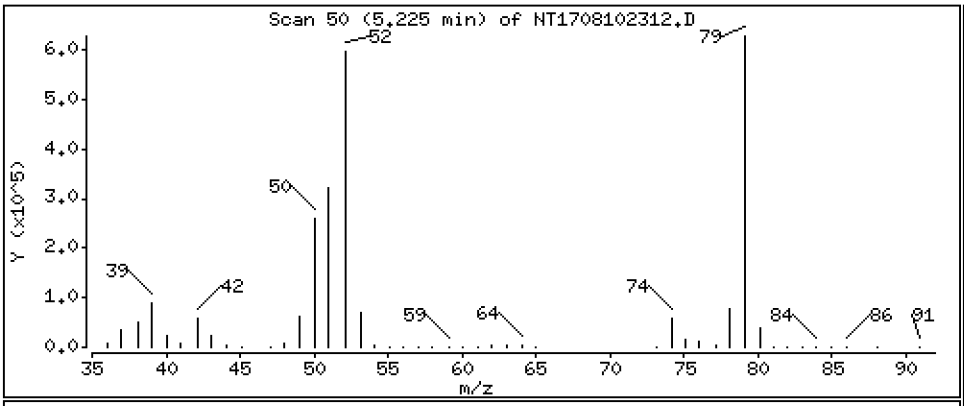
Operator: JGR

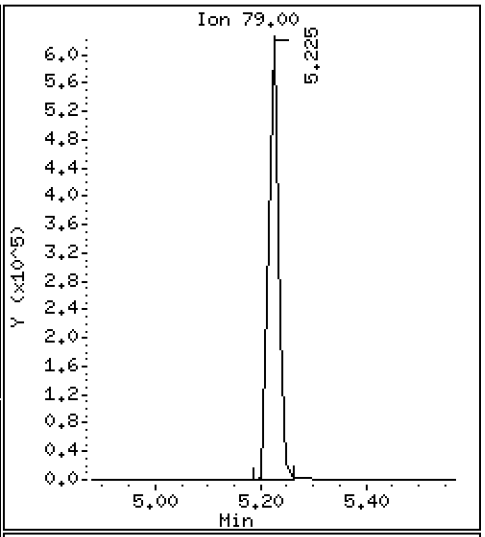
Column phase: ZB-5msi

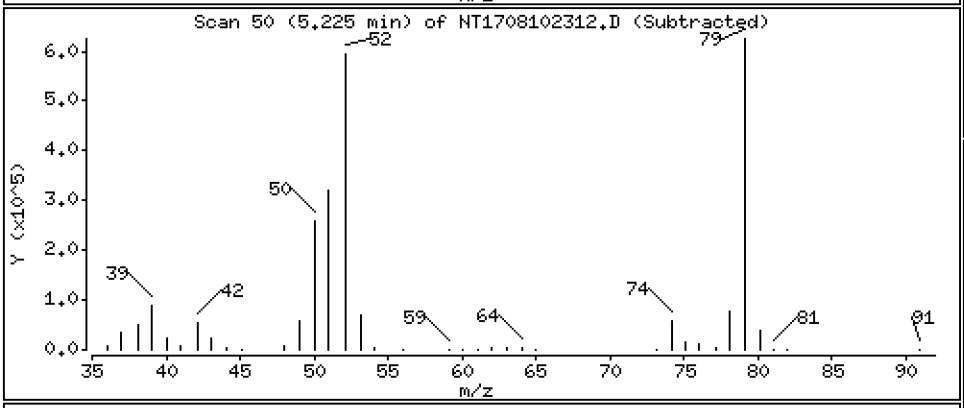
Column diameter: 0.25

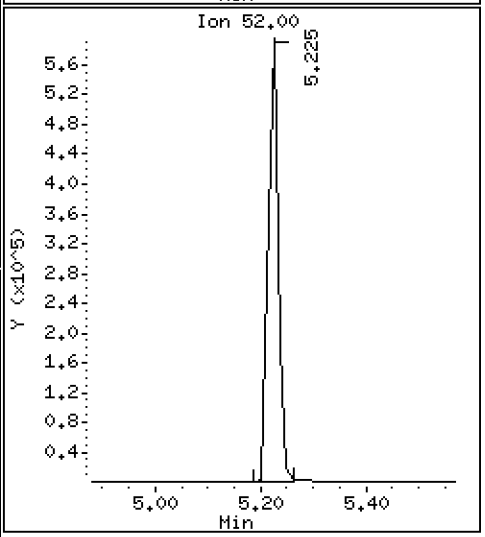
103 Pyridine

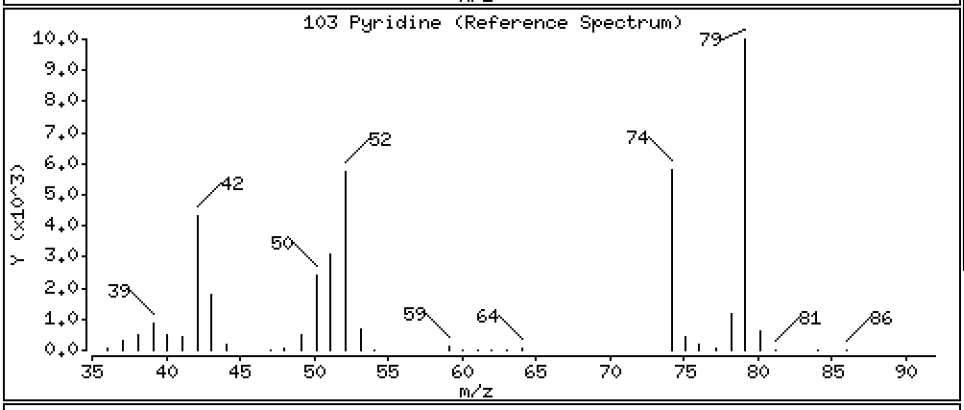
Concentration: 5.374 ug/mL

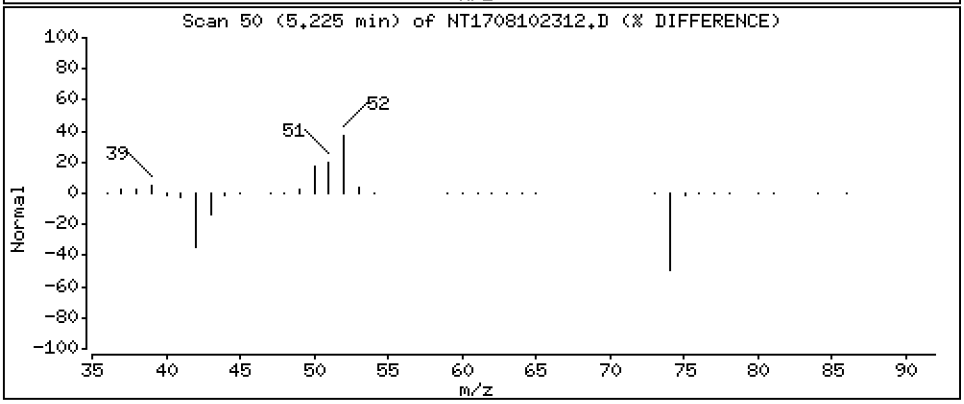












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

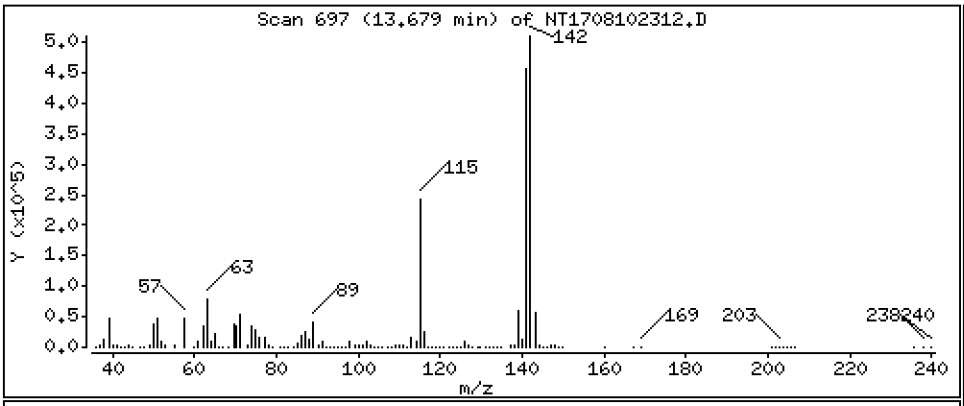
Operator: JGR

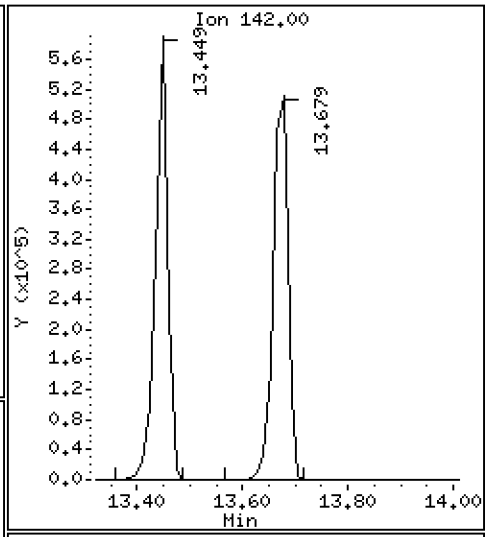
Column phase: ZB-5msi

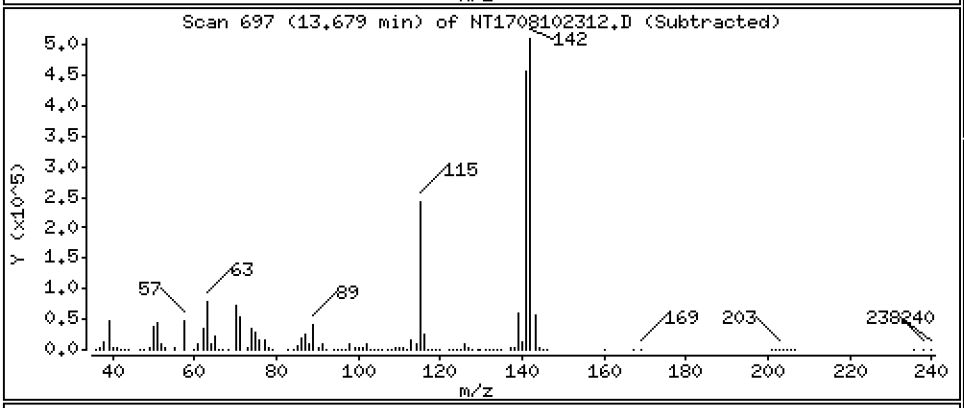
Column diameter: 0.25

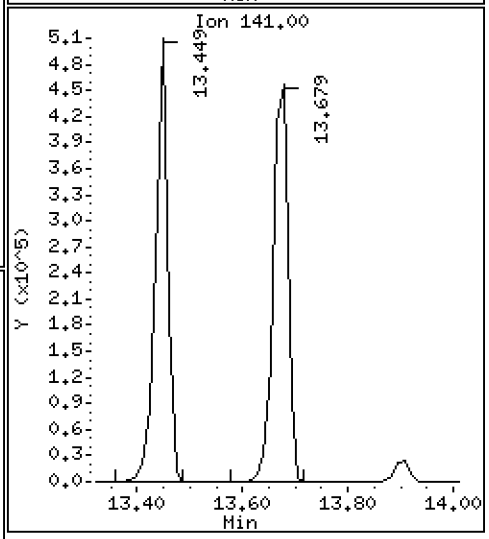
105 1-methylnaphthalene

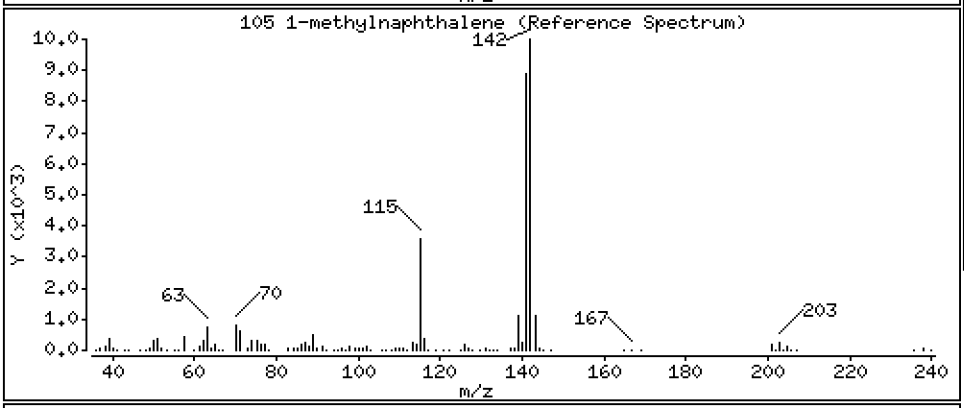
Concentration: 5.674 ug/mL

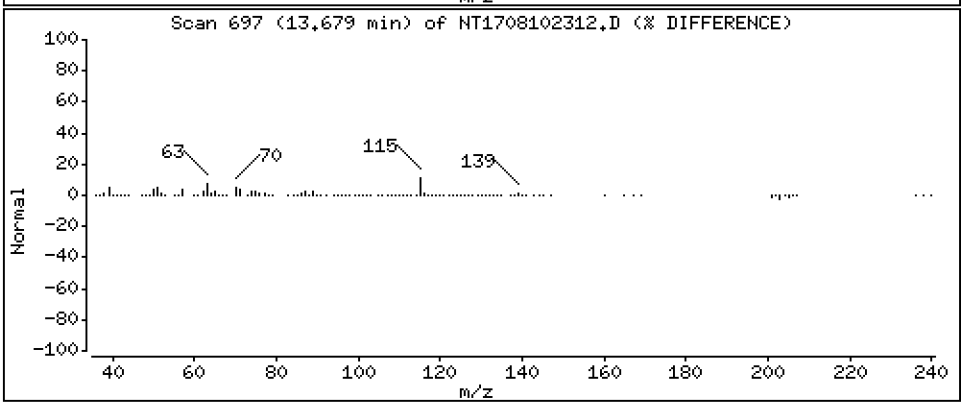












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

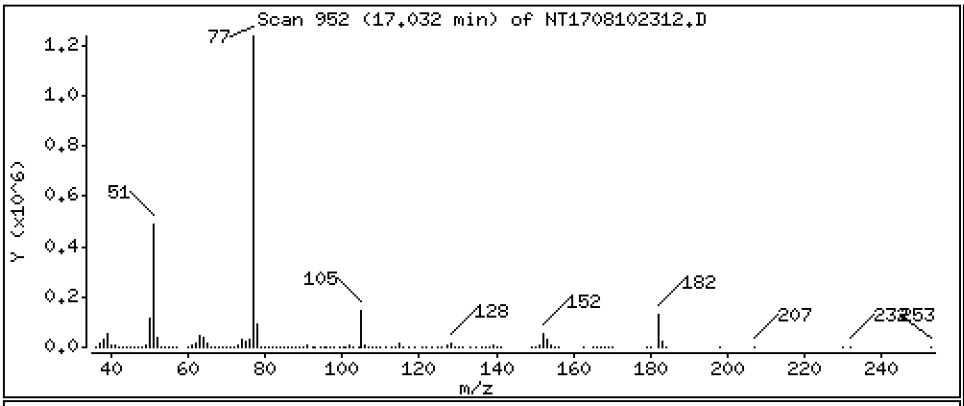
Operator: JGR

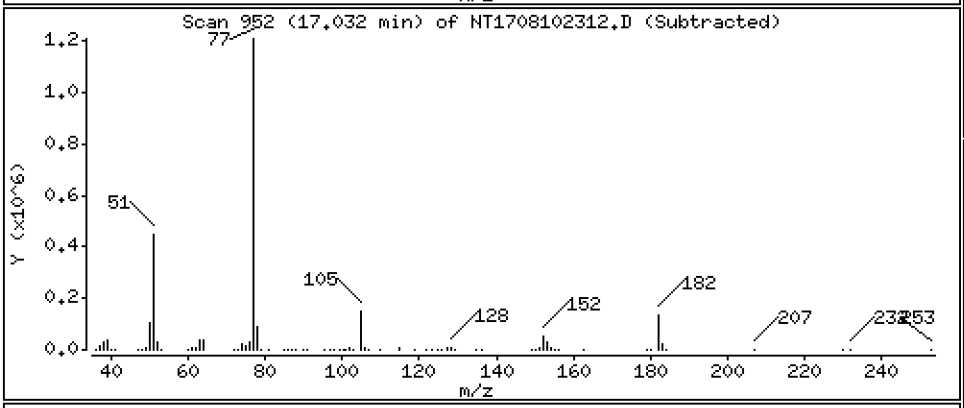
Column phase: ZB-5msi

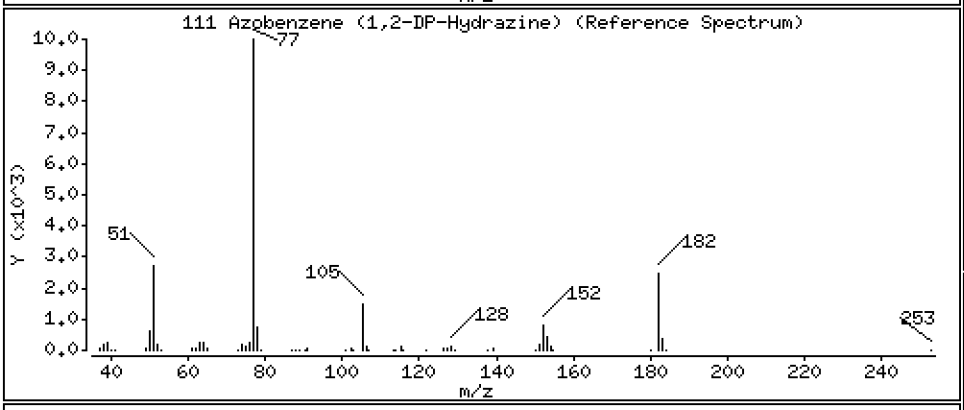
Column diameter: 0.25

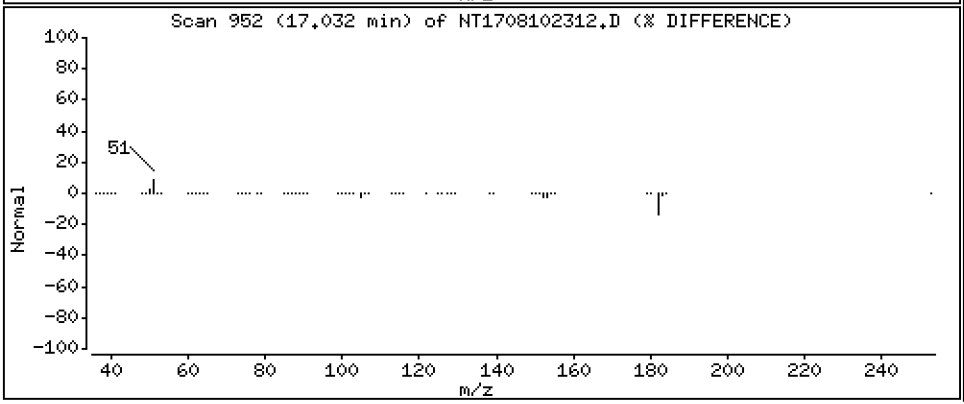
111 Azobenzene (1,2-DP-Hydrazine)

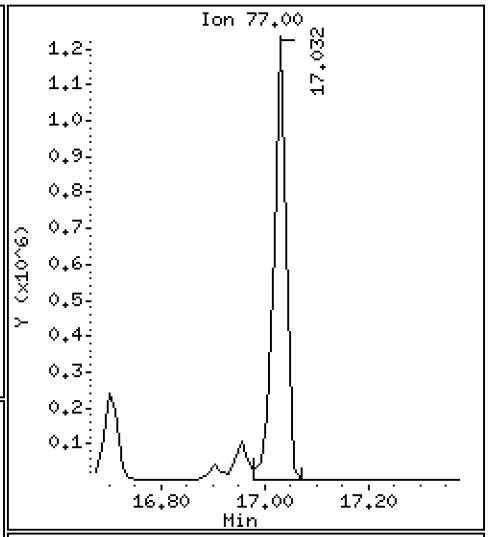
Concentration: 5.785 ug/mL

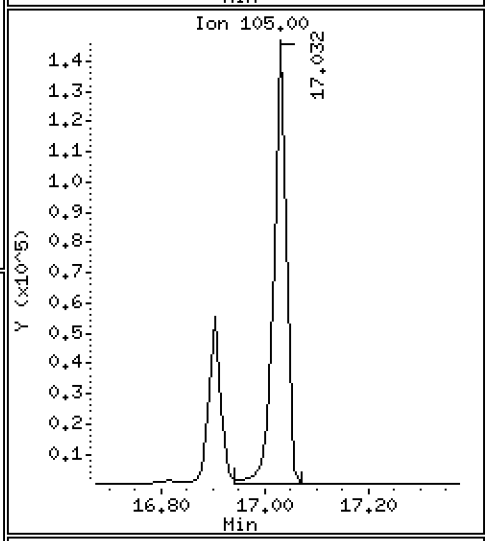


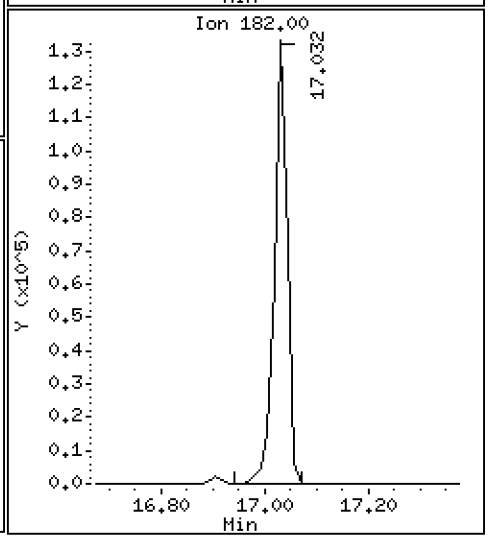












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

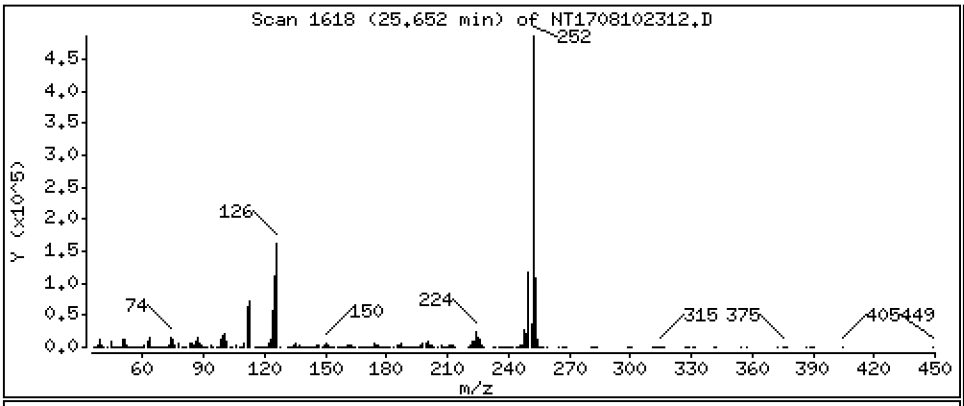
Operator: JGR

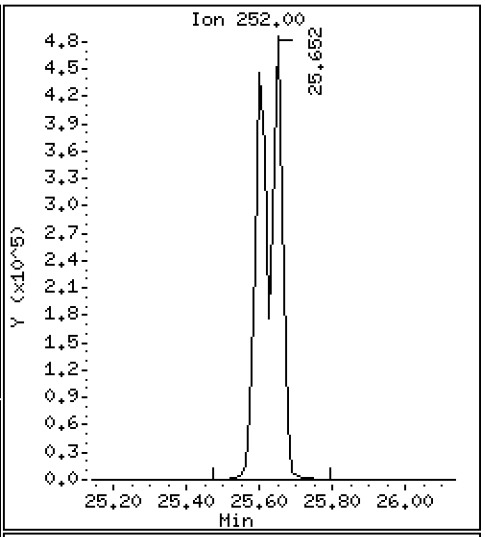
Column phase: ZB-5msi

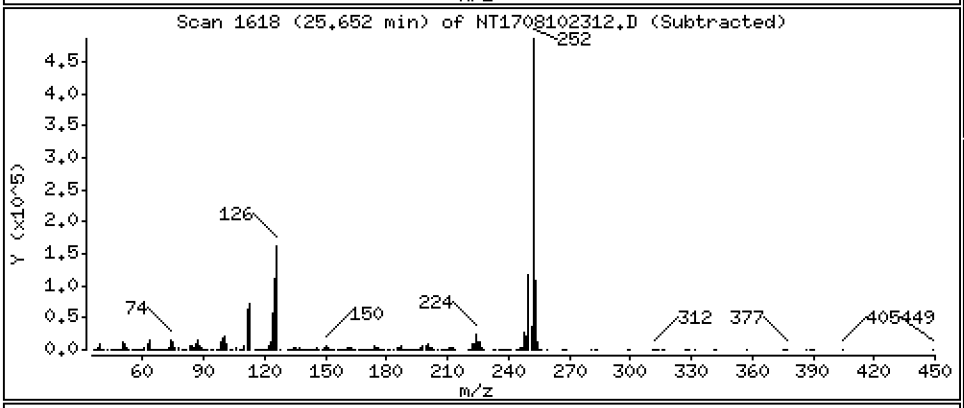
Column diameter: 0.25

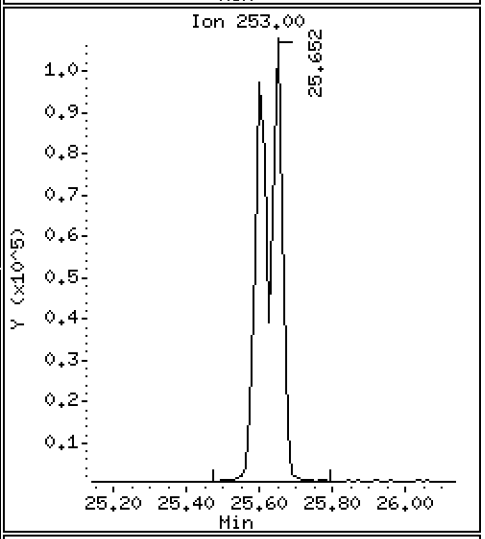
187 Total Benzofluoranthenes

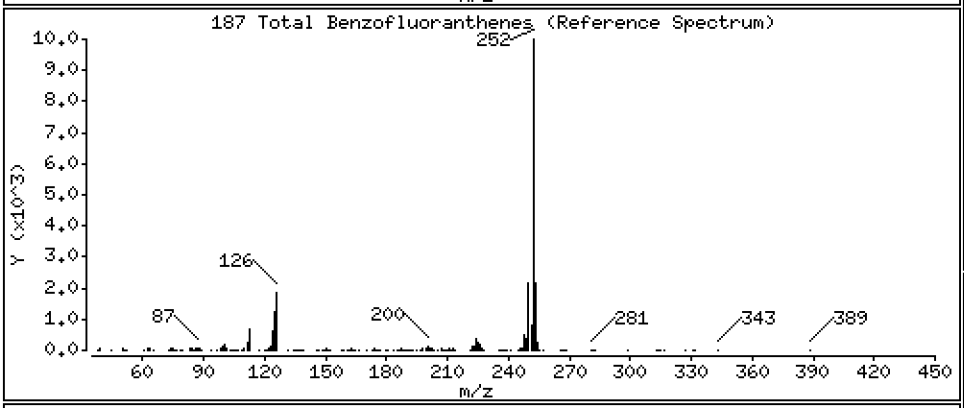
Concentration: 11.14 ug/mL

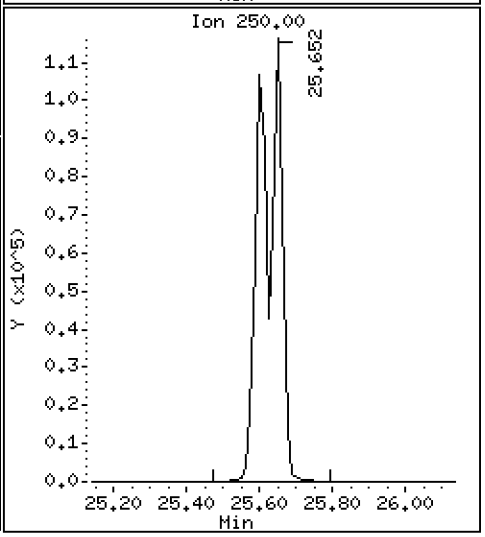


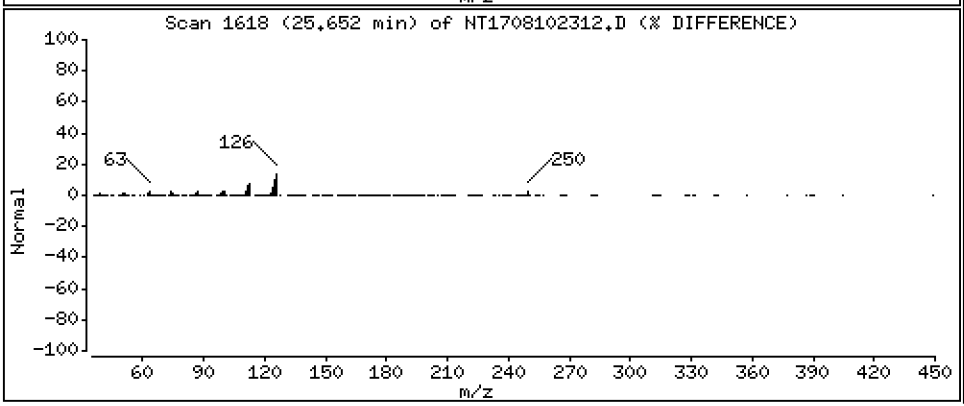












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

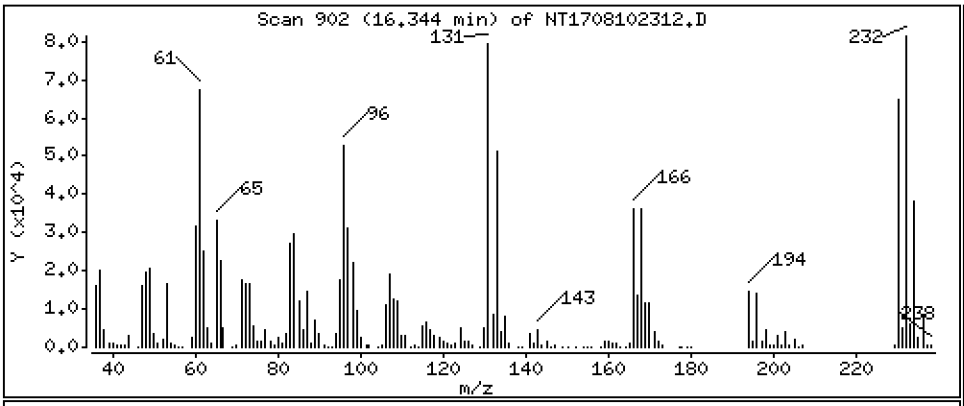
Operator: JGR

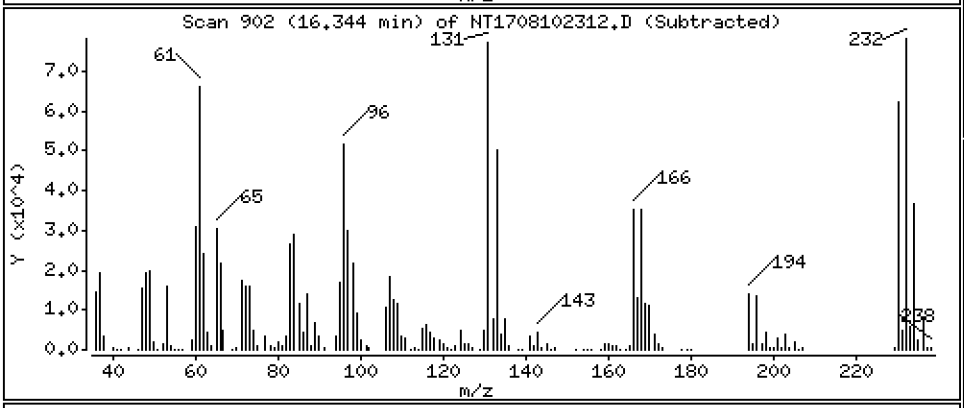
Column phase: ZB-5msi

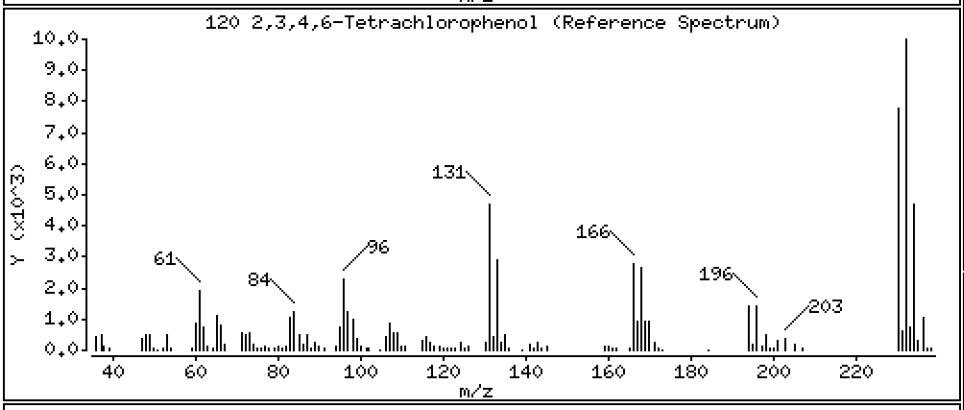
Column diameter: 0.25

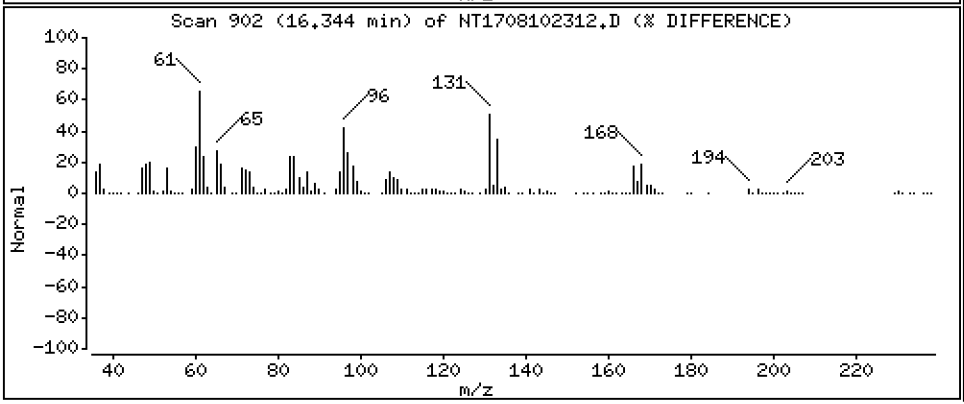
120 2,3,4,6-Tetrachlorophenol

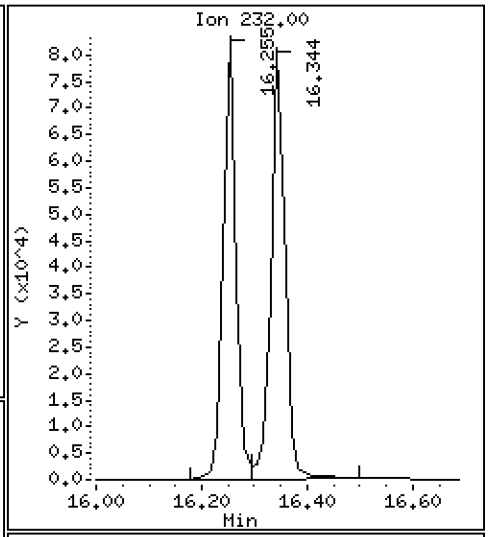
Concentration: 4.947 ug/mL

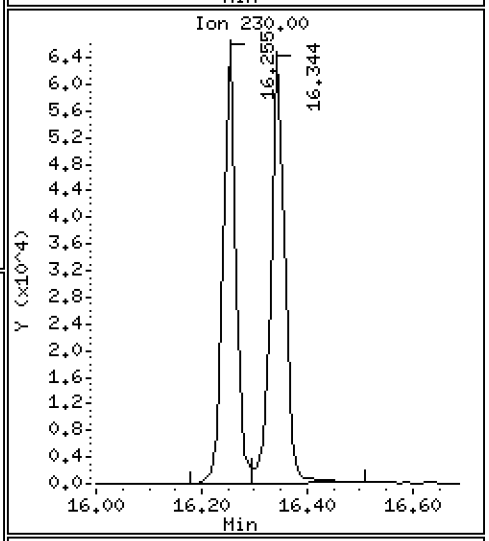


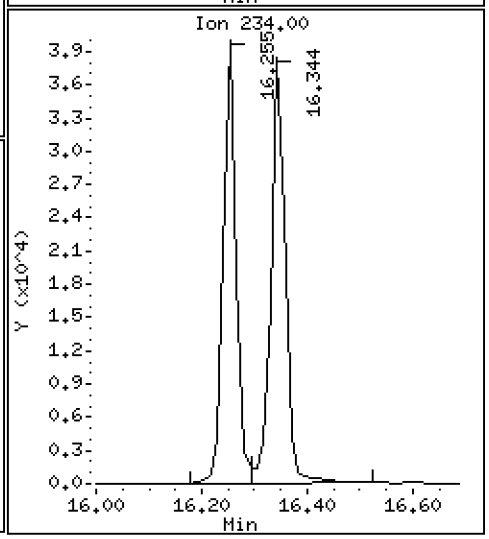












ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D
Lab Smp Id: SEQ-SCV1
Inj Date : 10-AUG-2023 18:45
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-SCV1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt17.i\20230810.b\ABN.m
Meth Date : 15-Aug-2023 16:16 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:16 Cal File: NT1708102308.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$ 1	2-Fluorophenol	112	Compound Not Detected.					
$ 2	Phenol-d5	99	Compound Not Detected.					
3	Phenol	94	8.881	8.880	(0.932)	853825	5.37443	5.374
$ 5	2-Chlorophenol-d4	132	Compound Not Detected.					
4	Bis(2-Chloroethyl)ether	93	9.072	9.071	(0.952)	751787	5.80678	5.807
6	2-Chlorophenol	128	9.199	9.199	(0.965)	509405	5.34930	5.349
7	1,3-Dichlorobenzene	146	9.467	9.467	(0.993)	522205	5.18488	5.185
* 8	1,4-Dichlorobenzene-d4	152	9.531	9.531	(1.000)	238152	4.00000	
9	1,4-Dichlorobenzene	146	9.569	9.569	(1.004)	513062	5.26606	5.266
$ 10	1,2-Dichlorobenzene-d4	152	Compound Not Detected.					
12	1,2-Dichlorobenzene	146	9.927	9.927	(1.042)	497837	5.22843	5.228
11	Benzyl alcohol	108	9.786	9.786	(1.027)	408476	5.67234	5.672
14	2,2'-oxybis(1-Chloropropane)	121	10.093	10.080	(1.059)	198858	6.24065	6.241
13	2-Methylphenol	108	10.004	10.003	(1.050)	495003	4.79255	4.793
17	Hexachloroethane	117	10.515	10.514	(1.103)	277859	5.52590	5.526
16	N-Nitroso-di-n-propylamine	70	10.349	10.348	(1.086)	689905	5.81178	5.812
15	4-Methylphenol	108	10.272	10.259	(1.078)	677770	4.63770	4.638
$ 18	Nitrobenzene-d5	82	Compound Not Detected.					
19	Nitrobenzene	77	10.668	10.668	(0.887)	922720	5.52906	5.529
20	Isophorone	82	11.102	11.103	(0.924)	1624844	6.31383	6.314
21	2-Nitrophenol	139	11.294	11.294	(0.940)	238253	4.75297	4.753
22	2,4-Dimethylphenol	107	11.307	11.306	(0.941)	473027	4.12274	4.123
23	Bis(2-Chloroethoxy)methane	93	11.524	11.511	(0.959)	864818	6.40854	6.409
24	Benzoic acid	105	11.485	11.396	(0.955)	732844	7.38164	7.382(M)
25	2,4-Dichlorophenol	162	11.728	11.728	(0.976)	333365	5.68579	5.686
26	1,2,4-Trichlorobenzene	180	11.932	11.919	(0.993)	346953	5.09211	5.092
* 27	Naphthalene-d8	136	12.021	12.021	(1.000)	999397	4.00000	
28	Naphthalene	128	12.059	12.059	(1.003)	1533495	5.64173	5.642
29	4-Chloroaniline	127	12.174	12.174	(1.013)	521497	4.21315	4.213
30	Hexachlorobutadiene	225	12.403	12.403	(1.032)	162004	5.17310	5.173
31	4-Chloro-3-methylphenol	107	13.117	13.118	(1.091)	538110	4.79816	4.798
32	2-Methylnaphthalene	142	13.449	13.449	(1.119)	1010655	5.37027	5.370
33	Hexachlorocyclopentadiene	237	13.908	13.908	(0.890)	186721	4.28193	4.282

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
34	2,4,6-Trichlorophenol	196	14.061	14.061	(0.900)	211027	4.37559	4.376
35	2,4,5-Trichlorophenol	196	14.125	14.125	(0.904)	224420	5.12673	5.127
$ 36	2-Fluorobiphenyl	172	Compound Not Detected.					
37	2-Chloronaphthalene	162	14.444	14.444	(0.924)	844636	5.50677	5.507
38	2-Nitroaniline	65	14.699	14.699	(0.940)	573338	4.62995	4.630
39	Dimethylphthalate	163	15.120	15.107	(0.967)	906040	5.66456	5.665
40	Acenaphthylene	152	15.324	15.311	(0.980)	1373659	5.81809	5.818
41	2,6-Dinitrotoluene	165	15.260	15.260	(0.976)	200136	5.75665	5.757
* 42	Acenaphthene-d10	164	15.630	15.630	(1.000)	458301	4.00000	
43	3-Nitroaniline	138	15.553	15.541	(0.995)	243386	4.28419	4.284
44	Acenaphthene	153	15.693	15.693	(1.004)	855058	5.76800	5.768
45	2,4-Dinitrophenol	184	15.757	15.758	(1.008)	66543	3.26759	3.268
46	Dibenzofuran	168	16.012	16.012	(1.024)	1088783	5.40736	5.407
47	4-Nitrophenol	109	15.834	15.834	(1.013)	184396	4.55597	4.556
48	2,4-Dinitrotoluene	165	16.076	16.062	(1.029)	260979	4.76165	4.762
50	Diethylphthalate	149	16.560	16.559	(1.060)	995420	4.84838	4.848
49	Fluorene	166	16.726	16.726	(1.070)	896893	5.56490	5.565
51	4-Chlorophenyl-phenylether	204	16.713	16.700	(1.069)	416370	5.71968	5.720
52	4-Nitroaniline	138	16.815	16.815	(1.076)	232986	5.12698	5.127
53	4,6-Dinitro-2-methylphenol	198	16.904	16.904	(0.906)	107002	3.71892	3.719
54	N-Nitrosodiphenylamine	169	16.955	16.955	(0.909)	609701	5.25249	5.252
$ 55	2,4,6-Tribromophenol	330	Compound Not Detected.					
56	4-Bromophenyl-phenylether	248	17.706	17.705	(0.949)	177638	5.56587	5.566
57	Hexachlorobenzene	284	18.037	18.037	(0.967)	175467	4.98567	4.986
58	Pentachlorophenol	266	18.381	18.394	(0.985)	102188	4.90302	4.903
* 59	Phenanthrene-d10	188	18.662	18.662	(1.000)	768042	4.00000	
60	Phenanthrene	178	18.713	18.700	(1.003)	1217609	5.48433	5.484
61	Anthracene	178	18.802	18.802	(1.008)	1033794	5.19179	5.192
62	Carbazole	167	19.121	19.121	(1.025)	964829	4.70797	4.708
63	Di-n-butylphthalate	149	19.873	19.861	(1.065)	1803987	4.88629	4.886
64	Fluoranthene	202	21.059	21.059	(0.891)	1291281	6.14066	6.141
65	Pyrene	202	21.480	21.480	(0.908)	1290184	5.87262	5.873
$ 66	Terphenyl-d14	244	Compound Not Detected.					
67	Butylbenzylphthalate	149	22.641	22.641	(0.957)	807112	5.34587	5.346
68	Benzo(a)anthracene	228	23.610	23.610	(0.998)	1064047	5.38404	5.384
* 69	Chrysene-d12	240	23.649	23.636	(1.000)	513664	4.00000	
70	3,3'-Dichlorobenzidine	252	23.559	23.560	(0.996)	651023	11.0516	11.05
71	Chrysene	228	23.687	23.687	(1.002)	940459	5.55666	5.557
72	bis(2-Ethylhexyl)phthalate	149	23.636	23.636	(0.959)	1175166	5.56131	5.561
* 134	Di-n-octylphthalate-d4	153	24.644	24.643	(1.000)	1284068	4.00000	
73	Di-n-octylphthalate	149	24.656	24.656	(1.001)	1942342	5.60048	5.600
74	Benzo(b)fluoranthene	252	25.600	25.601	(0.968)	1012738	4.67085	4.671
75	Benzo(k)fluoranthene	252	25.651	25.638	(0.970)	993893	5.40805	5.408
76	Benzo(a)pyrene	252	26.328	26.315	(0.995)	863816	5.20063	5.201
* 77	Perylene-d12	264	26.455	26.442	(1.000)	497389	4.00000	
78	Indeno(1,2,3-cd)pyrene	276	29.419	29.381	(1.112)	968437	4.76498	4.765
79	Dibenzo(a,h)anthracene	278	29.419	29.393	(1.112)	812204	4.55302	4.553
80	Benzo(g,h,i)perylene	276	29.419	29.381	(1.112)	968437	4.76498	4.765
90	N-Nitrosodimethylamine	74	5.211	5.198	(0.547)	623091	5.57611	5.576
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	21.276	21.276	(0.900)	207672	2.02581	2.026
103	Pyridine	79	5.224	5.224	(0.548)	858478	5.37379	5.374
105	1-methylnaphthalene	142	13.678	13.666	(1.138)	979212	5.67422	5.674
111	Azobenzene (1,2-DP-Hydrazine)	77	17.031	17.031	(1.090)	2019978	5.78472	5.785

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.651	25.638	(0.970)	1892523	11.1437	11.14
120 2,3,4,6-Tetrachlorophenol	232	16.343	16.344	(1.046)	166955	4.94743	4.947

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102312.D
Lab Smp Id: SEQ-SCV1
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\ABN.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 13:47
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	270862	135431	541724	238152	-12.08
27 Naphthalene-d8	1109588	554794	2219176	999397	-9.93
42 Acenaphthene-d10	499186	249593	998372	458301	-8.19
59 Phenanthrene-d10	798865	399433	1597730	768042	-3.86
69 Chrysene-d12	542628	271314	1085256	513664	-5.34
134 Di-n-octylphthala	1404894	702447	2809788	1284068	-8.60
77 Perylene-d12	520366	260183	1040732	497389	-4.42

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.53	9.03	10.03	9.53	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.66	0.00
69 Chrysene-d12	23.65	23.15	24.15	23.65	0.00
134 Di-n-octylphthala	24.64	24.14	25.14	24.64	0.00
77 Perylene-d12	26.46	25.96	26.96	26.46	0.00

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

REVIEW SUMMARY FOR FILE - NT1708102312.D

Lab ID: SEQ-SCV1
nt17.i, ABN.m, 10-AUG-2023 18:45

RT	CO-ELUTION COMPOUNDS
29.419	Indeno(1,2,3-cd)pyrene and Dibenzo(a,h)anthracene
29.419	Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene
29.419	Benzo(g,h,i)perylene and Indeno(1,2,3-cd)pyrene

** FIRST SURROGATE NOT FOUND. ICAL Check not performed **

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.955	0.948	0.0074	Benzoic acid

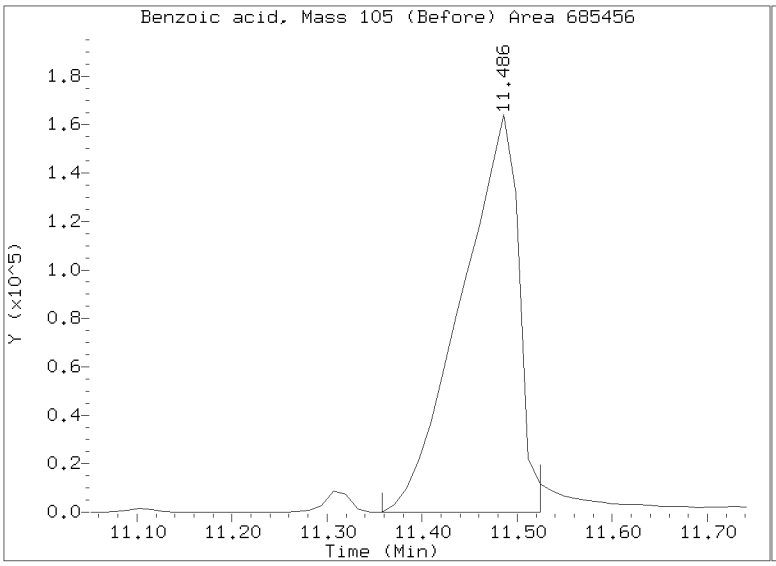
RRT check based on Ccal File: NT1708102308.D

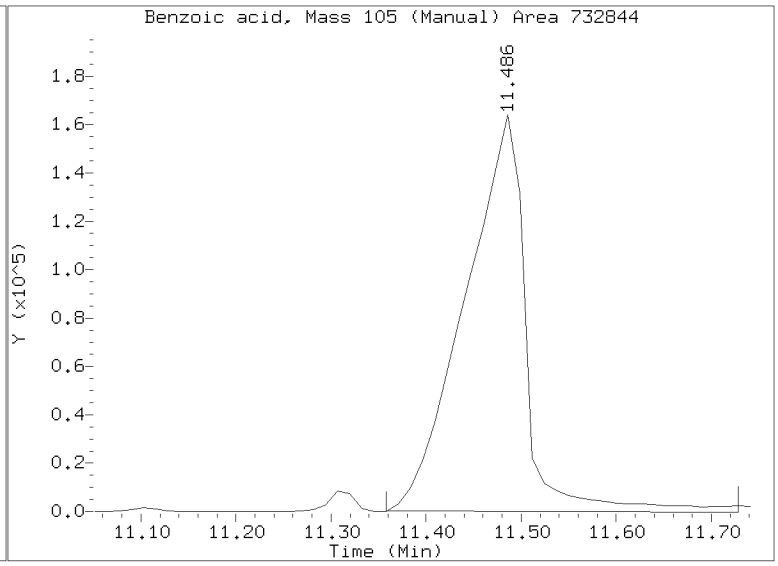
On Column LOD for nt17.i, ABN.m, ICAL.sub = 0.0000

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

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230810.b/NT1708102312.D
Injection Date: 10-AUG-2023 18:45
Lab ID:SEQ-SCV1 Client ID:
Report Date: 08/15/2023 16:18





SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: Analytical Resources, LLC
SDG: 23H0221
Client: Anchor QEA, LLC
Project: AOC5 MR Phase 1
Calibration: GH00044
Laboratory ID: SLH0216-SCV1
Sequence: SLH0216
Sequence Name: SCV 5.0
Standard ID: L008791

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DRIFT	QC LIMIT
Phenol	5.0000	5.4	7.5	20.00
4-Methylphenol	5.0000	4.6	-7.2	20.00
Naphthalene	5.0000	5.6	12.8	20.00
2-Methylnaphthalene	5.0000	5.4	7.4	20.00
Acenaphthylene	5.0000	5.8	16.4	20.00
Dimethylphthalate	5.0000	5.7	13.3	20.00
Acenaphthene	5.0000	5.8	15.4	20.00
Dibenzofuran	5.0000	5.4	8.1	20.00
Fluorene	5.0000	5.6	11.3	20.00
Phenanthrene	5.0000	5.5	9.7	20.00
Anthracene	5.0000	5.2	3.8	20.00
Fluoranthene	5.0000	6.1	22.8	20.00
Pyrene	5.0000	5.9	17.5	20.00
Butylbenzylphthalate	5.0000	5.3	6.9	20.00
Benzo(a)anthracene	5.0000	5.4	7.7	20.00
Chrysene	5.0000	5.6	11.1	20.00
bis(2-Ethylhexyl)phthalate	5.0000	5.6	11.2	20.00
Benzofluoranthenes, Total	10.000	11.1	11.5	20.00
Benzo(a)pyrene	5.0000	5.2	4.0	20.00
Indeno(1,2,3-cd)pyrene	5.0000	4.8	-4.7	20.00
Dibenzo(a,h)anthracene	5.0000	4.6	-8.9	20.00
Benzo(g,h,i)perylene	5.0000	5.6	11.3	20.00

* Indicates values outside of QC limits

Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

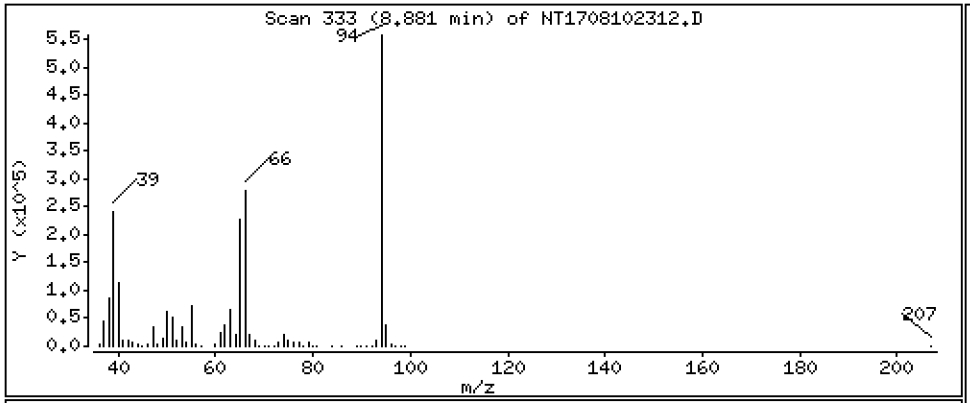
Operator: JGR

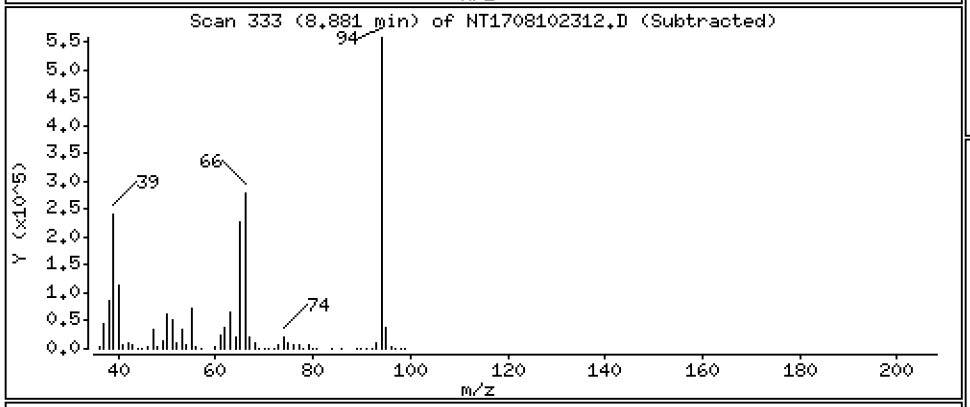
Column phase: ZB-5msi

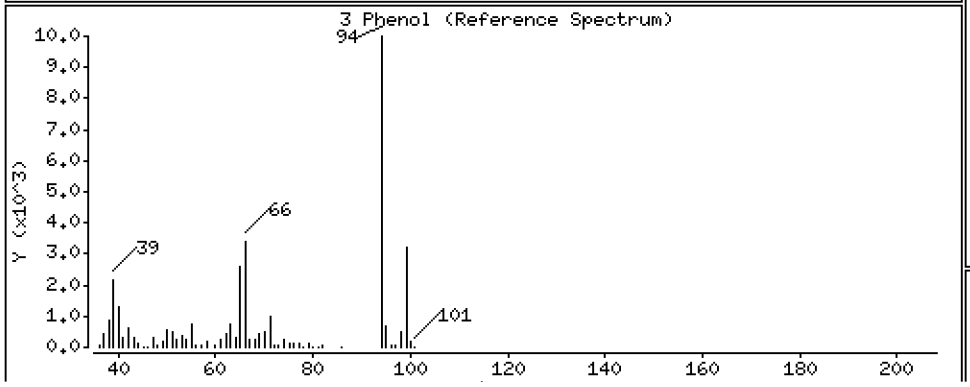
Column diameter: 0.25

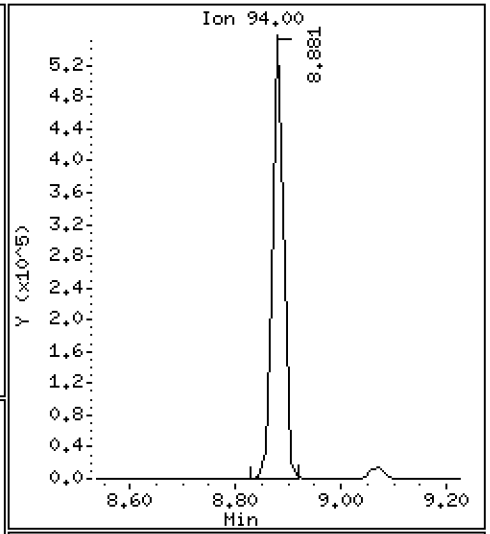
3 Phenol

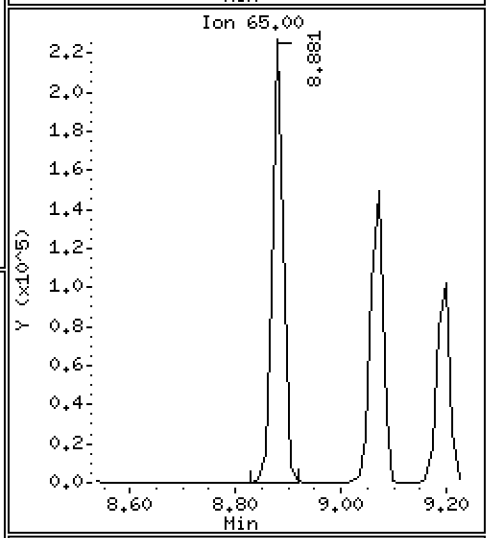
Concentration: 5.374 ug/mL

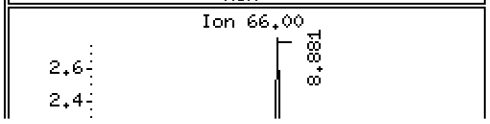












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

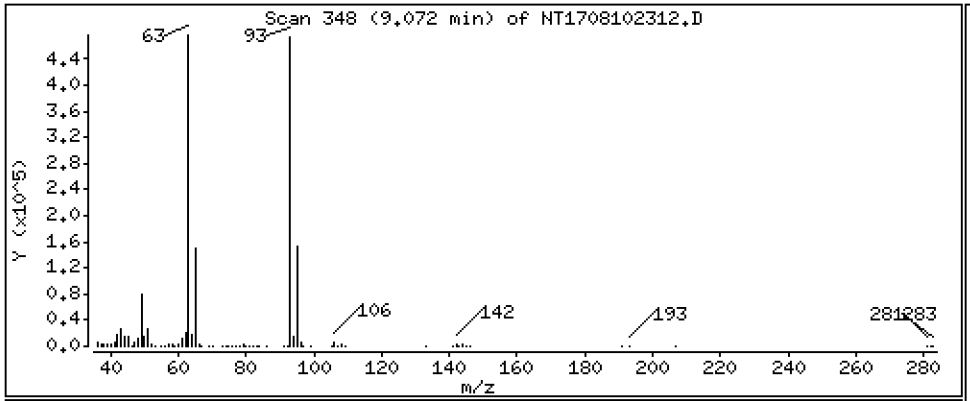
Operator: JGR

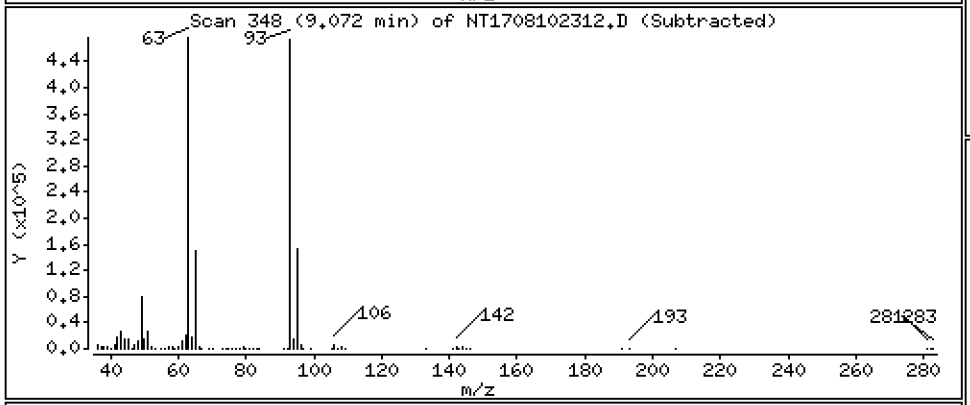
Column phase: ZB-5msi

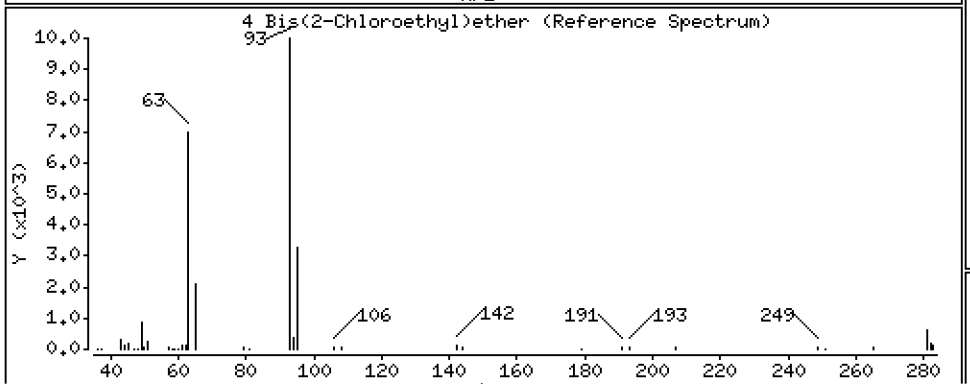
Column diameter: 0.25

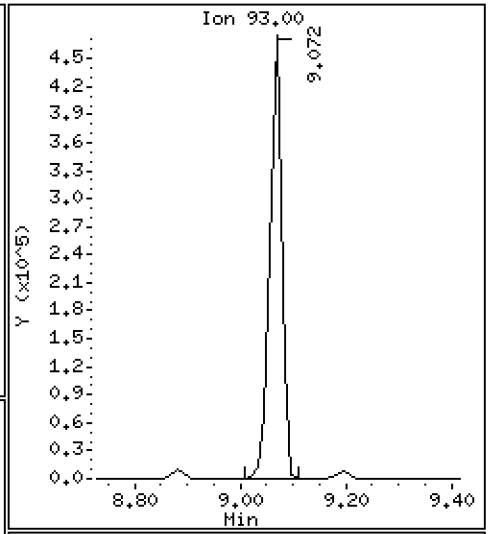
4 Bis(2-Chloroethyl)ether

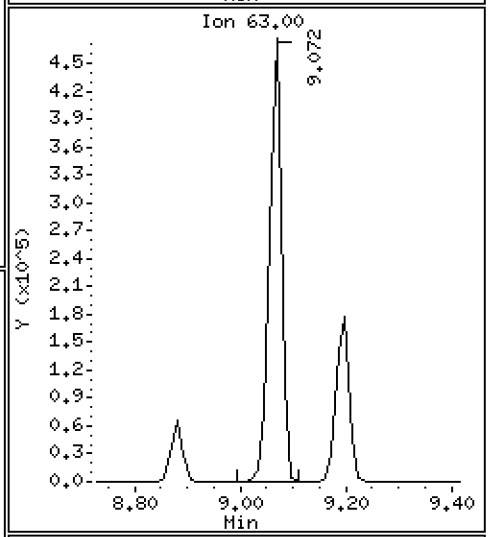
Concentration: 5.807 ug/mL

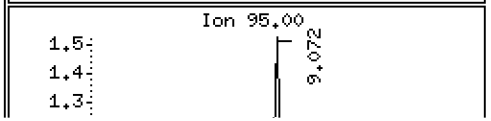












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

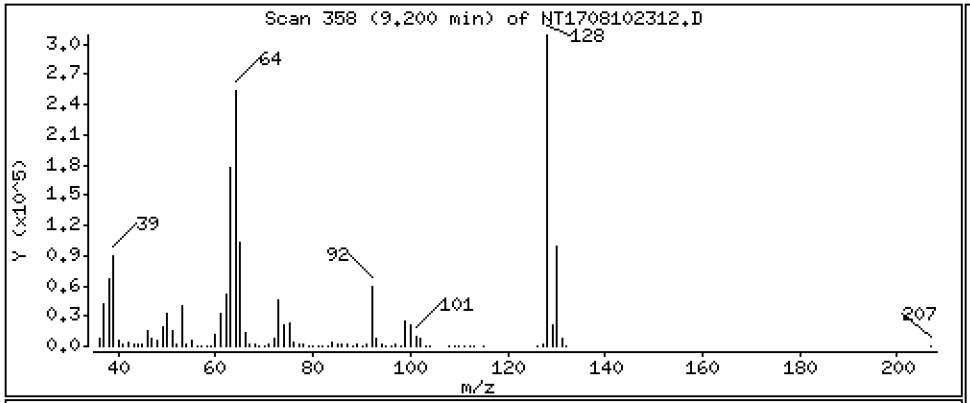
Operator: JGR

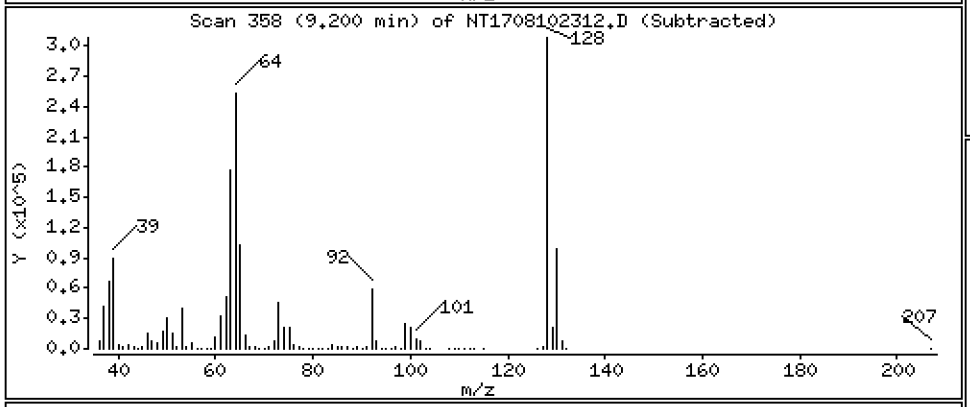
Column phase: ZB-5msi

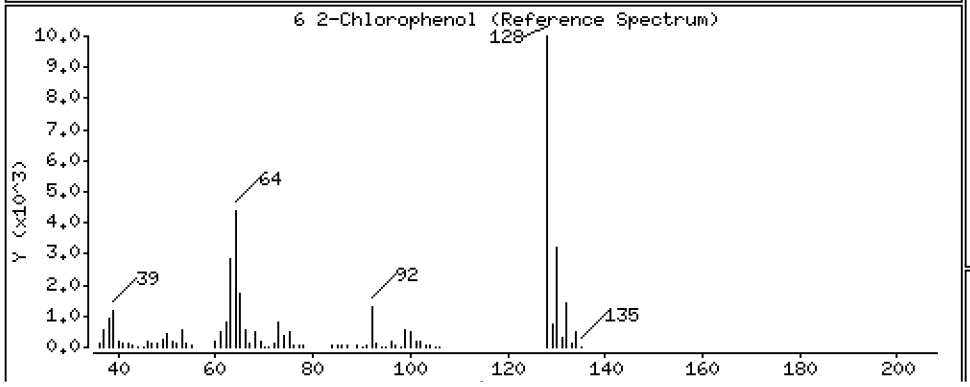
Column diameter: 0.25

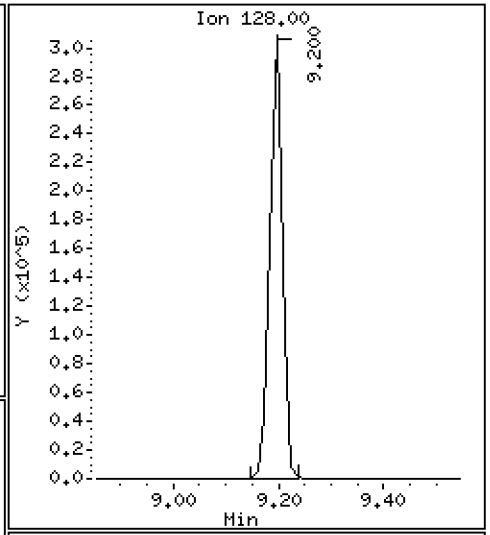
6 2-Chlorophenol

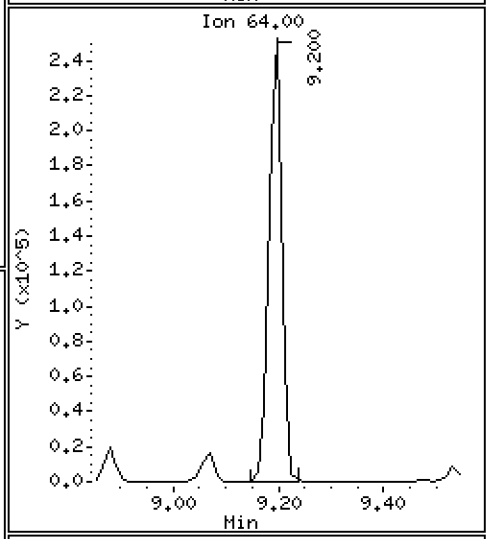
Concentration: 5.349 ug/mL

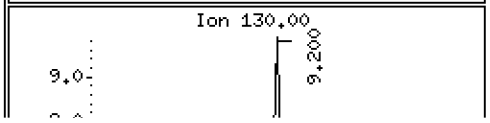












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

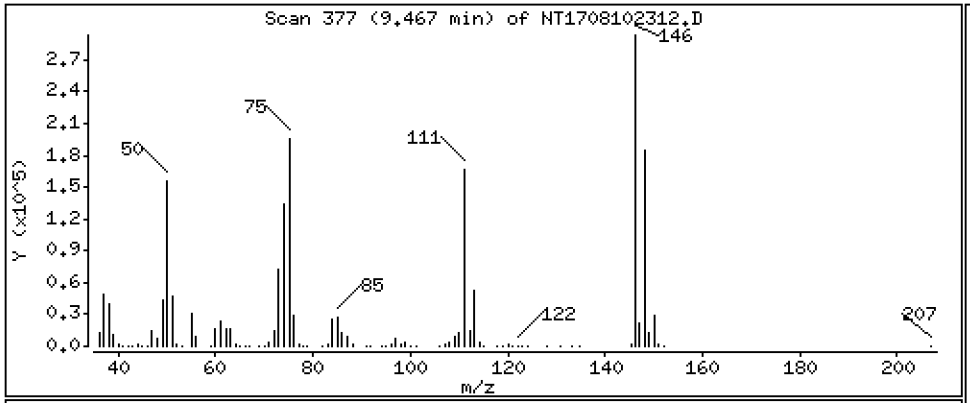
Operator: JGR

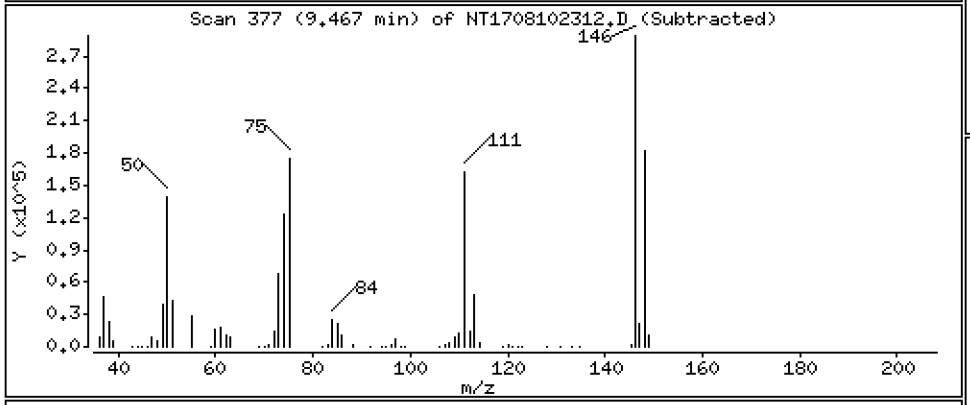
Column phase: ZB-5msi

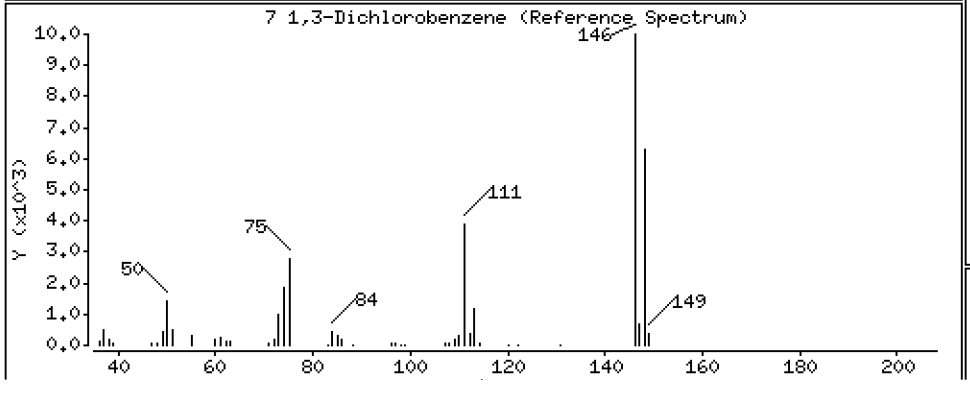
Column diameter: 0.25

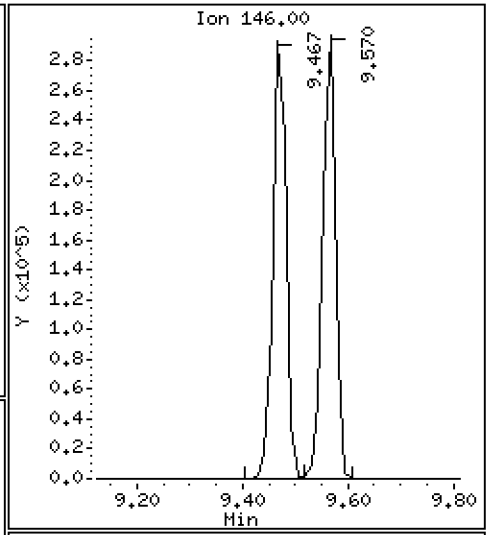
7 1,3-Dichlorobenzene

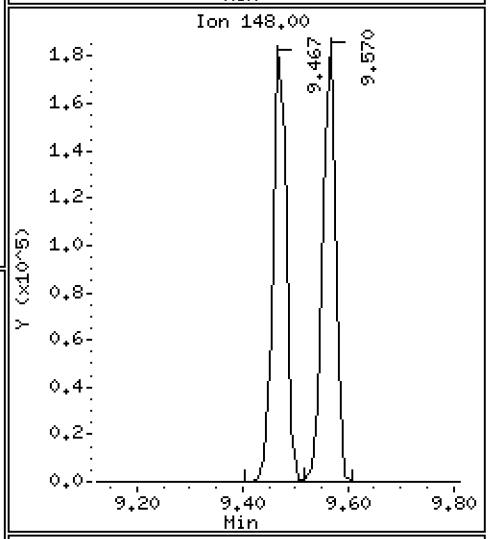
Concentration: 5.185 ug/mL

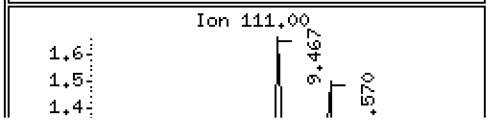












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

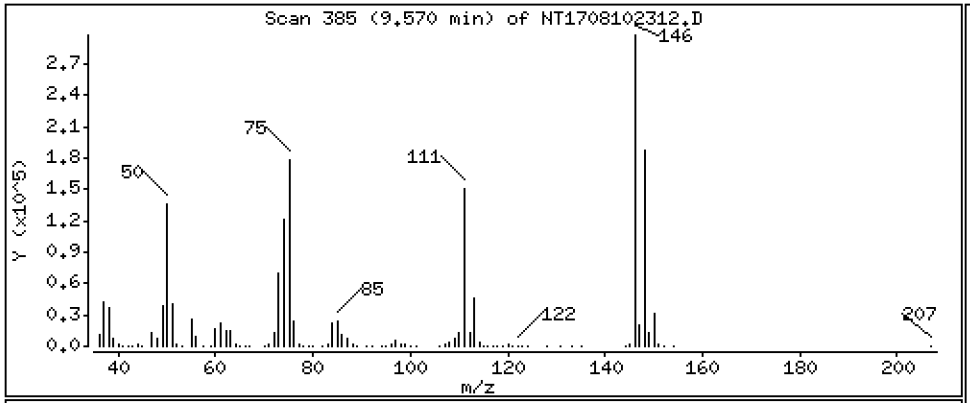
Operator: JGR

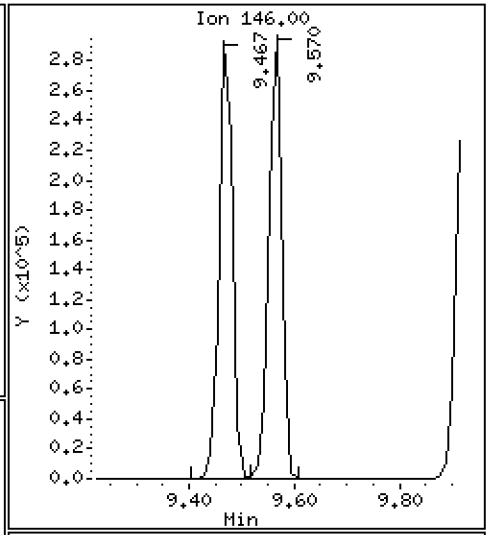
Column phase: ZB-5msi

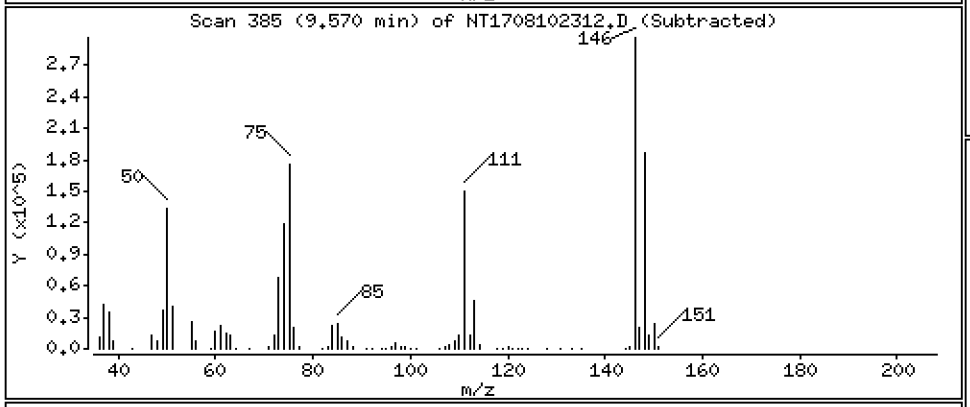
Column diameter: 0.25

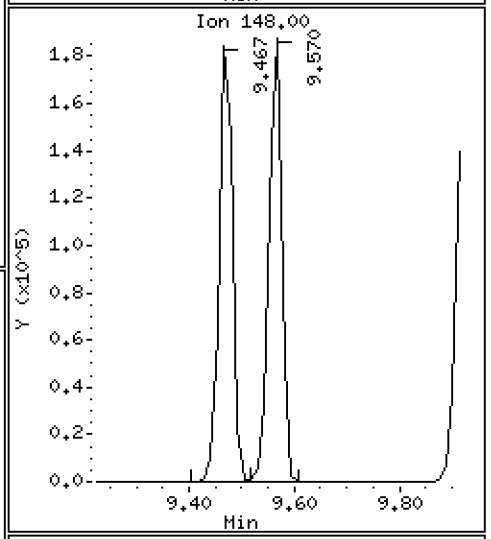
9 1,4-Dichlorobenzene

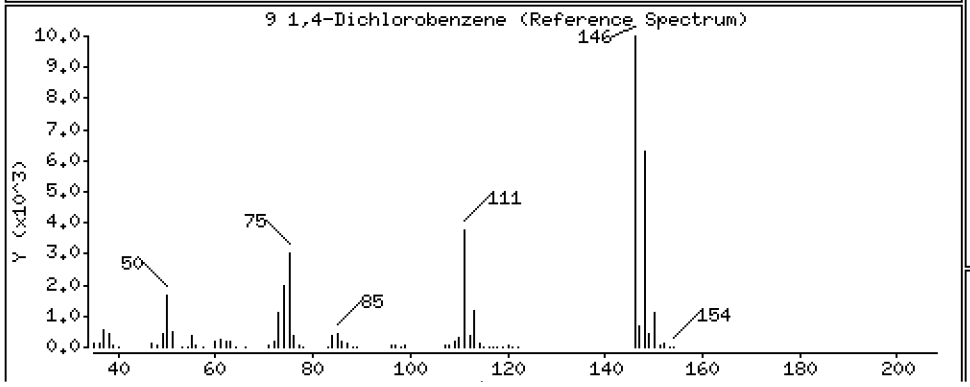
Concentration: 5.266 ug/mL

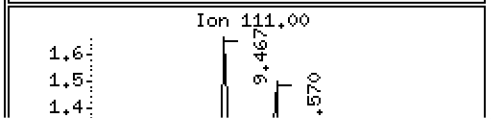












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

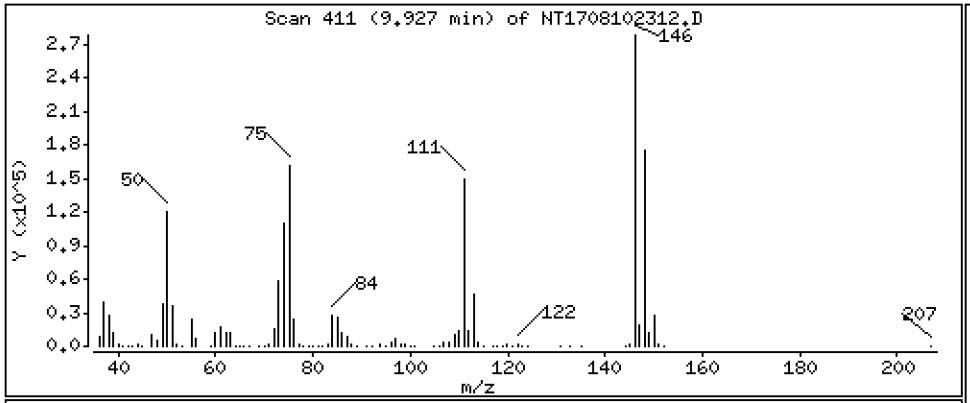
Operator: JGR

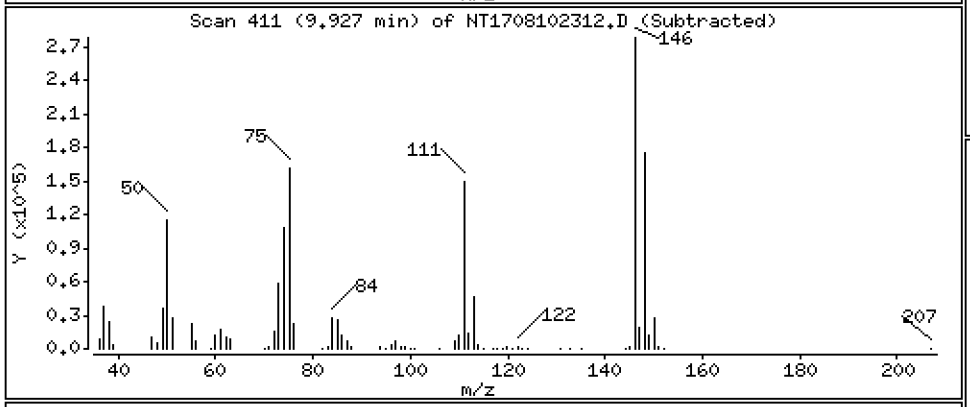
Column phase: ZB-5msi

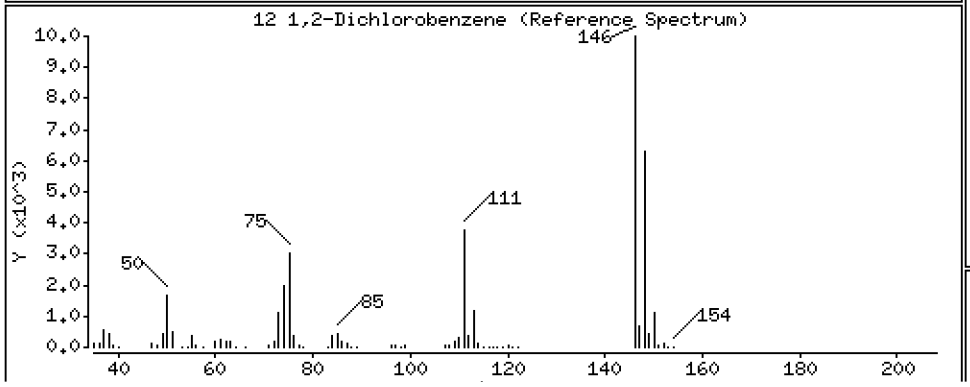
Column diameter: 0.25

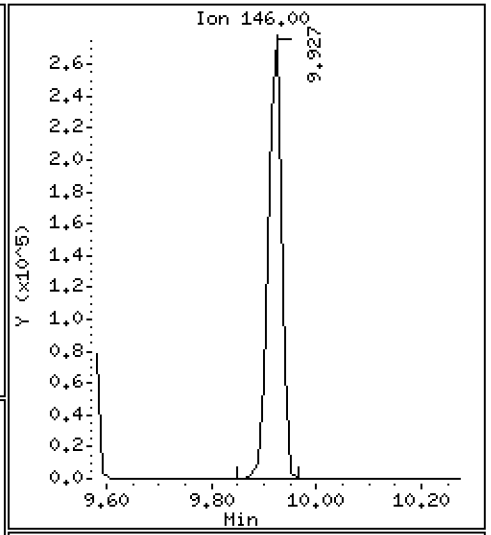
12 1,2-Dichlorobenzene

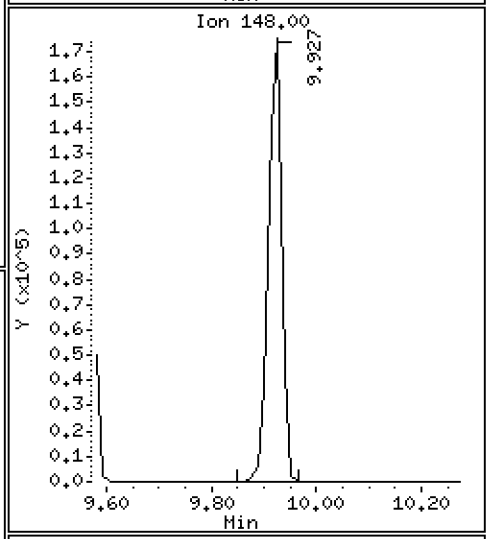
Concentration: 5.228 ug/mL

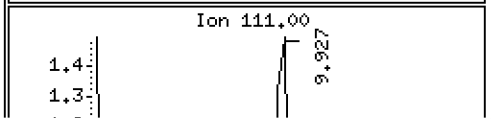












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

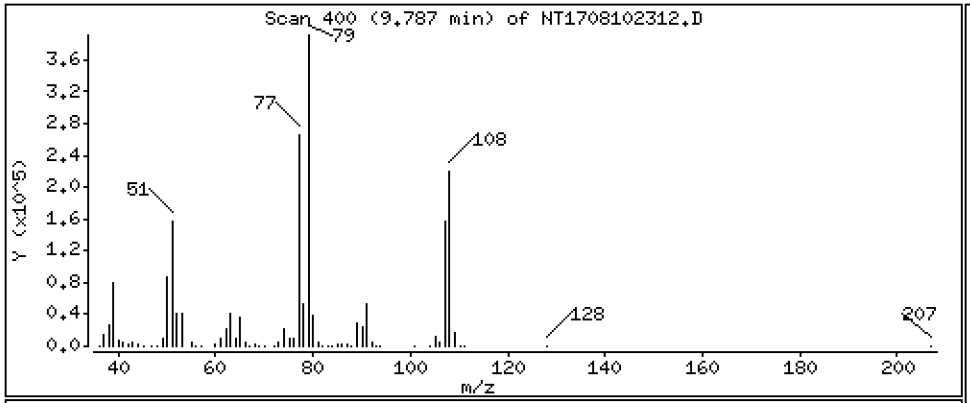
Operator: JGR

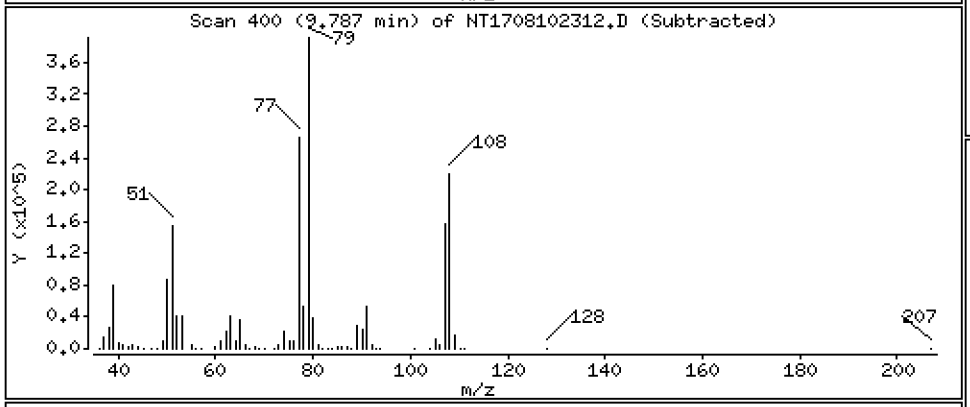
Column phase: ZB-5msi

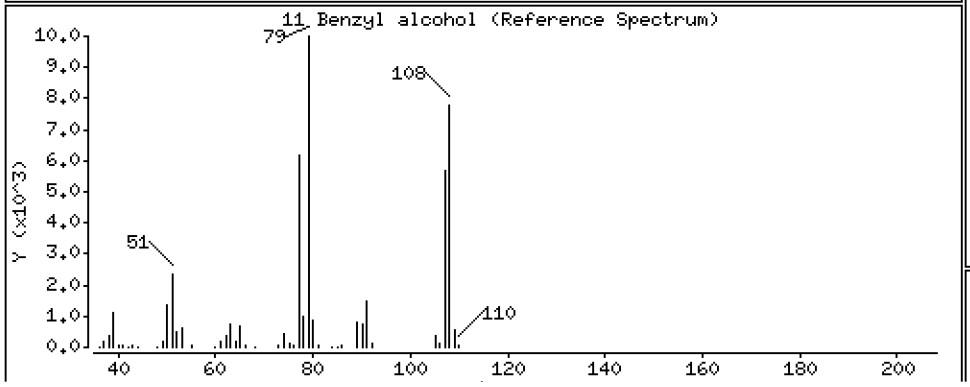
Column diameter: 0.25

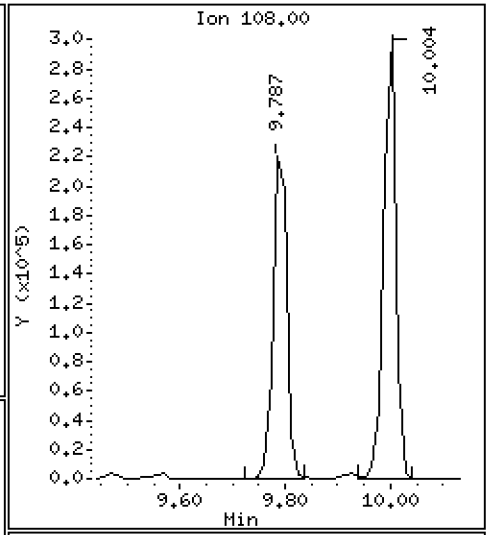
11 Benzyl alcohol

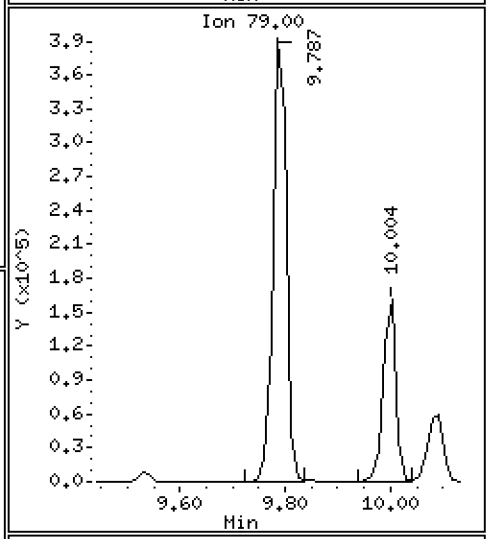
Concentration: 5.672 ug/mL

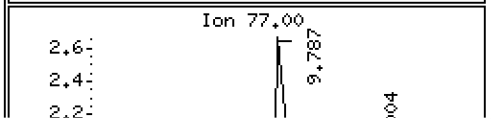












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

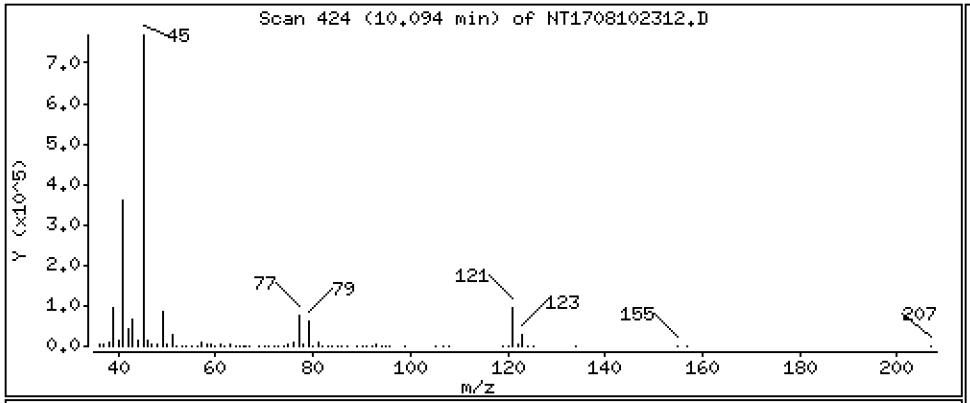
Operator: JGR

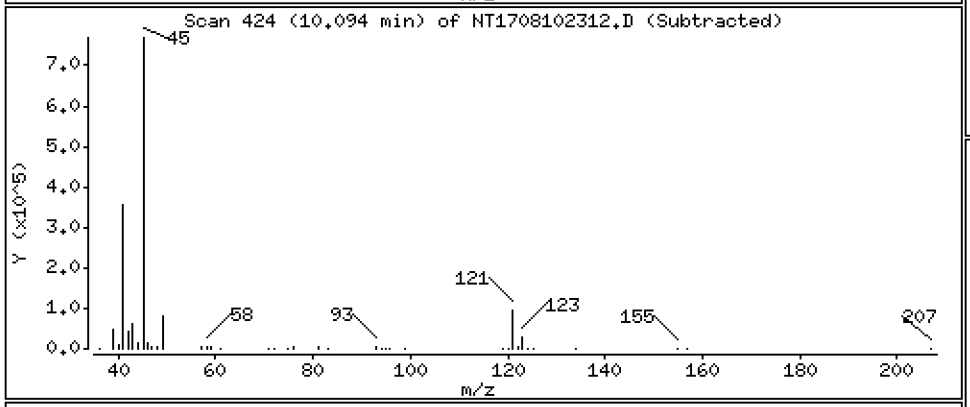
Column phase: ZB-5msi

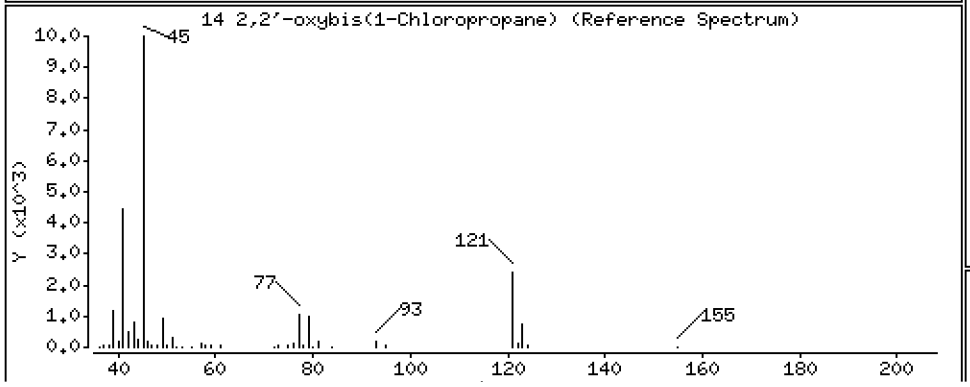
Column diameter: 0.25

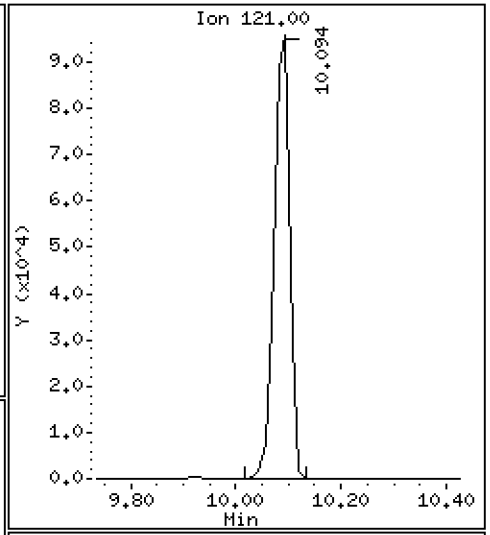
14 2,2'-oxybis(1-Chloropropane)

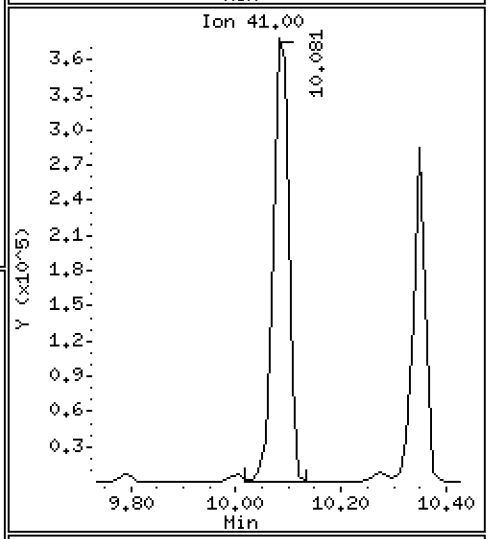
Concentration: 6.241 ug/mL

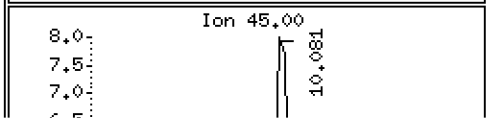












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

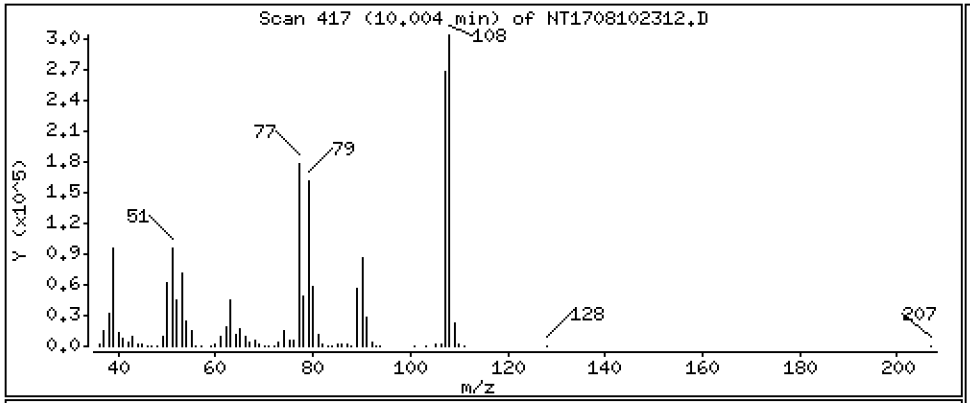
Operator: JGR

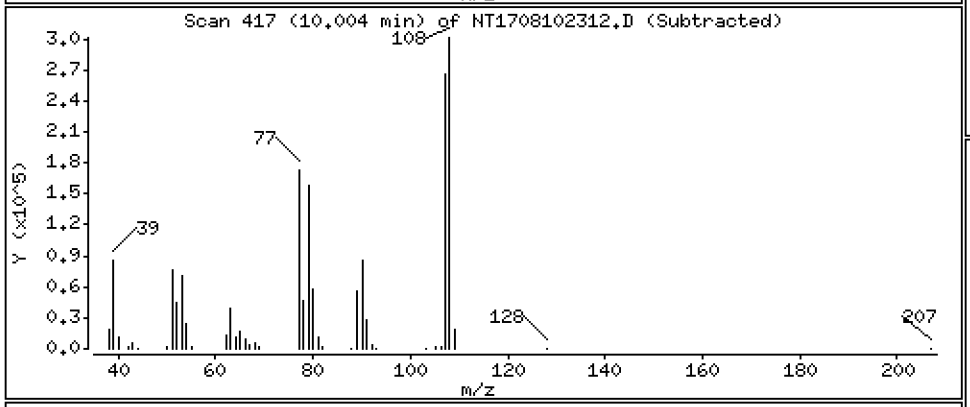
Column phase: ZB-5msi

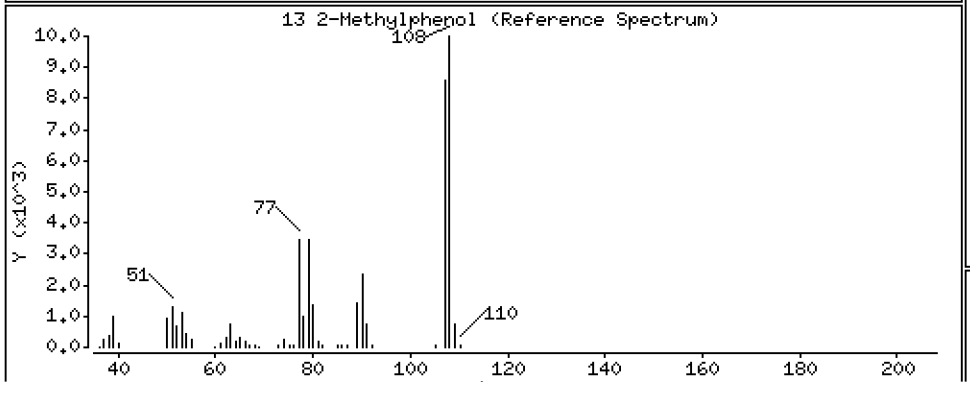
Column diameter: 0.25

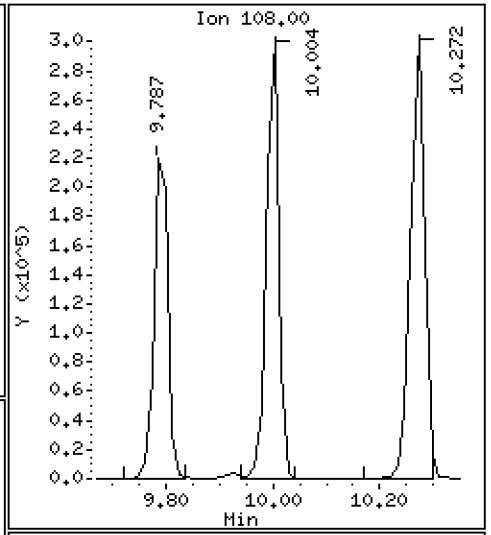
13 2-Methylphenol

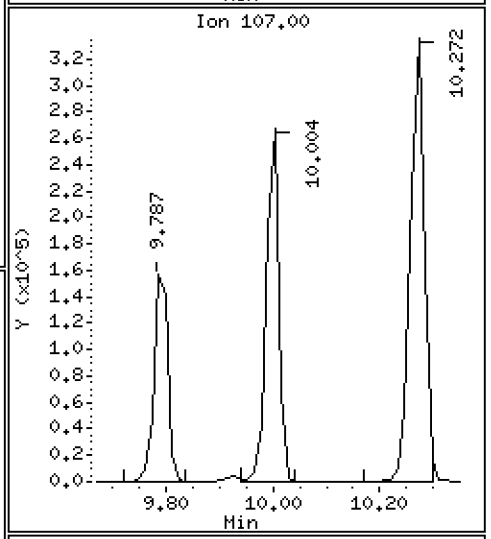
Concentration: 4.793 ug/mL

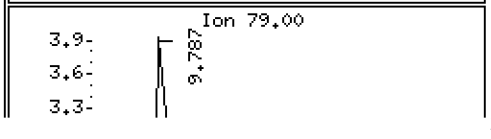












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

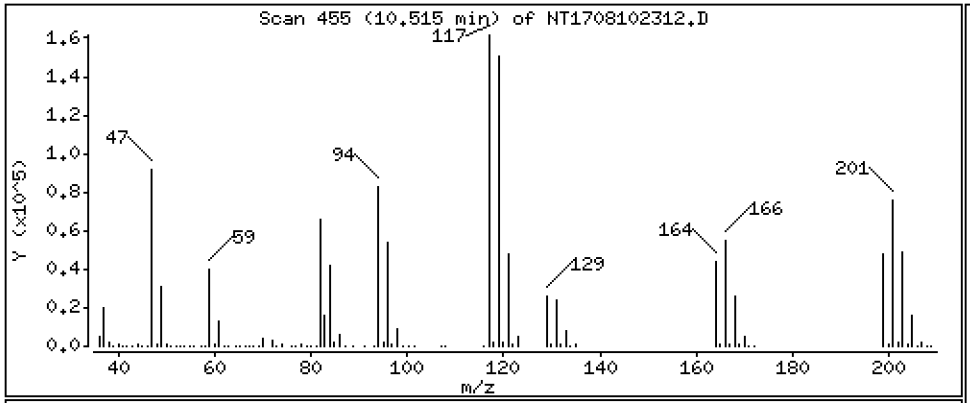
Operator: JGR

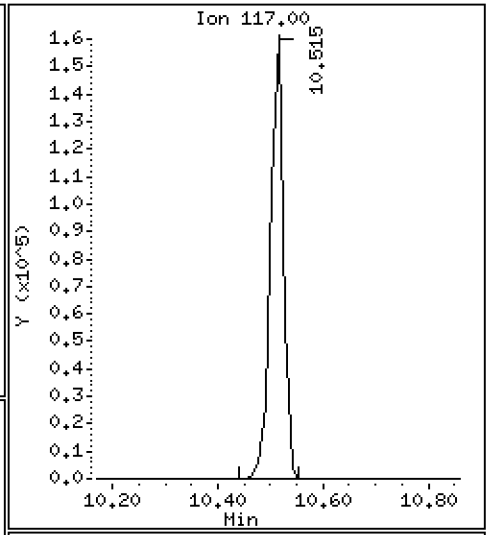
Column phase: ZB-5msi

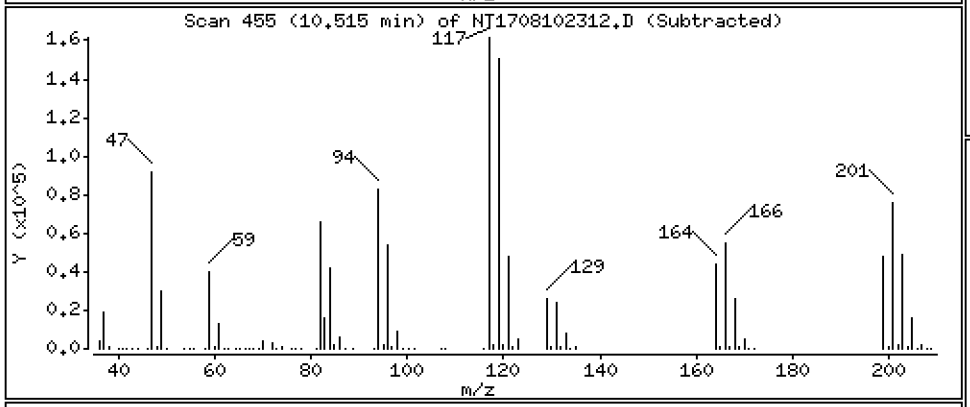
Column diameter: 0.25

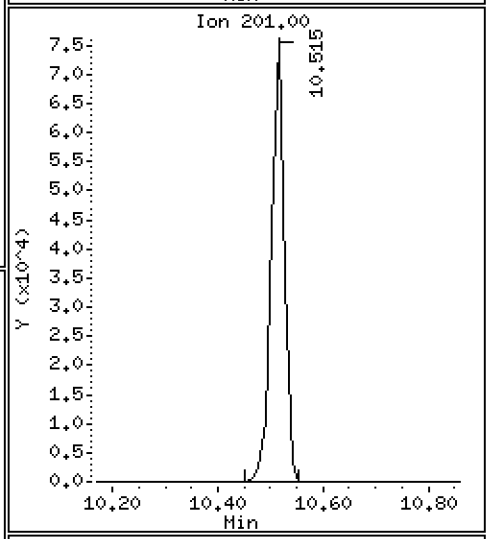
17 Hexachloroethane

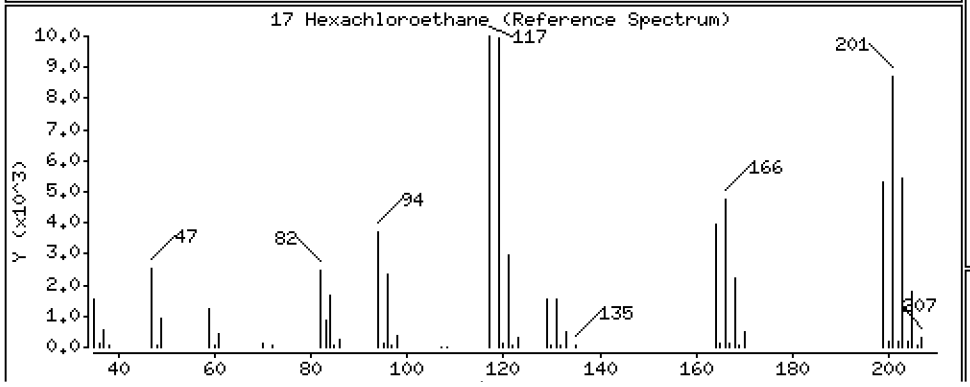
Concentration: 5.526 ug/mL

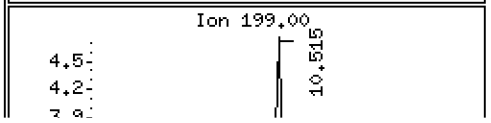












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

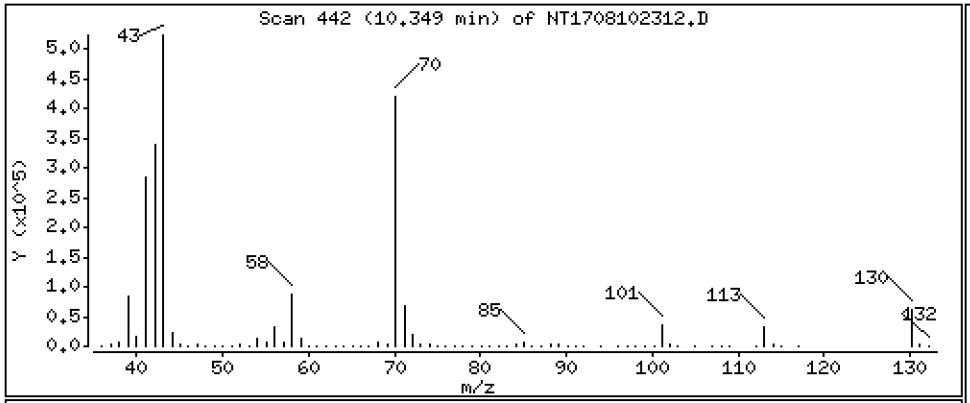
Operator: JGR

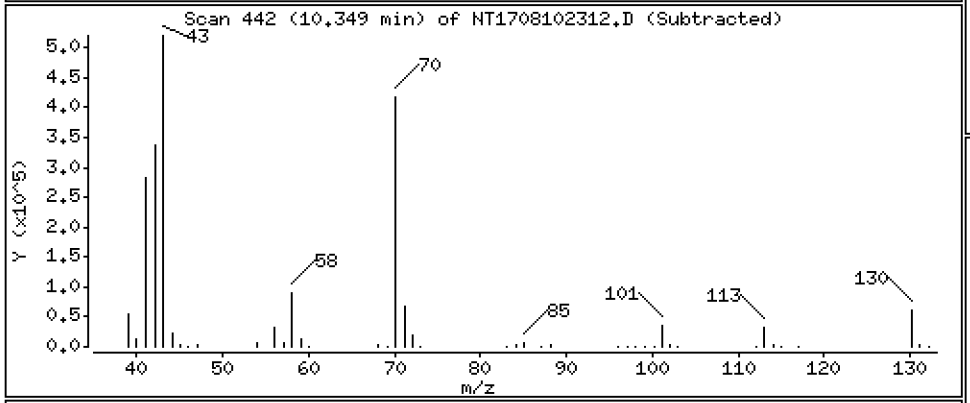
Column phase: ZB-5msi

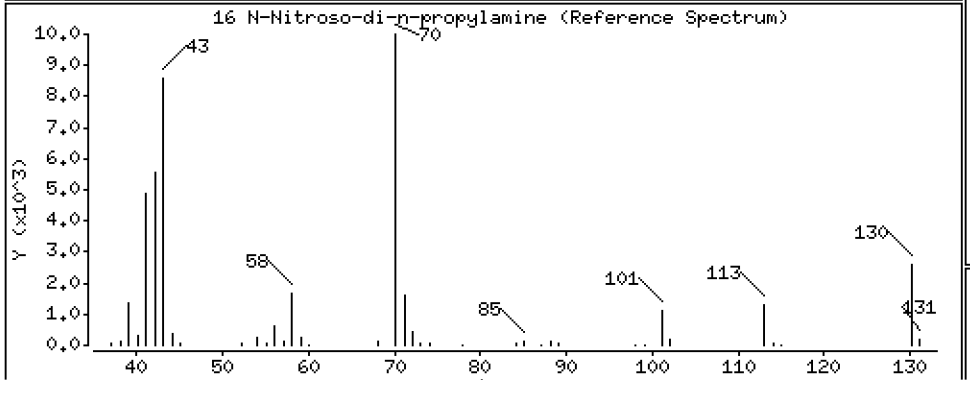
Column diameter: 0.25

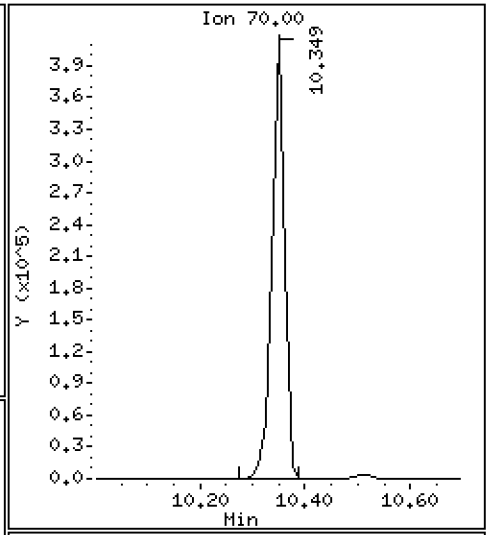
16 N-Nitroso-di-n-propylamine

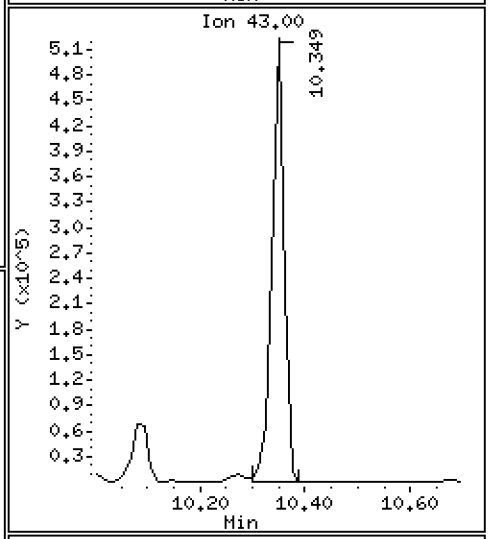
Concentration: 5.812 ug/mL

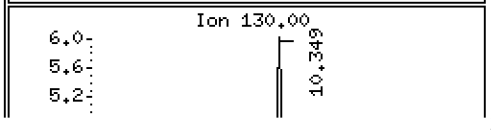












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

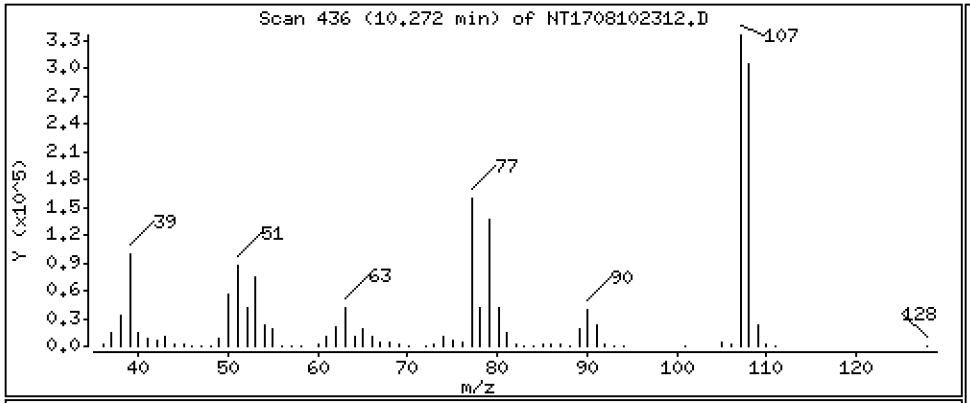
Operator: JGR

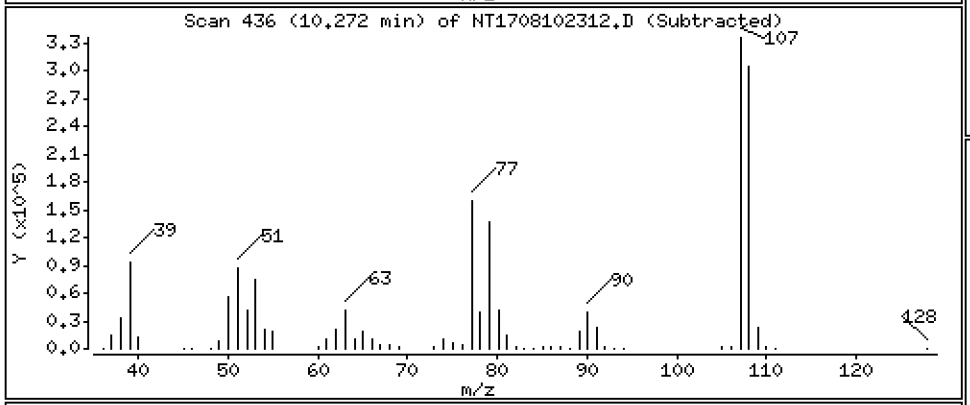
Column phase: ZB-5msi

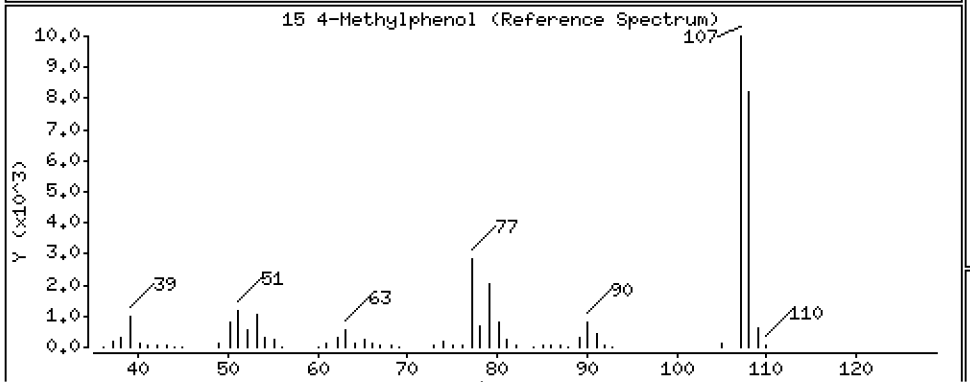
Column diameter: 0.25

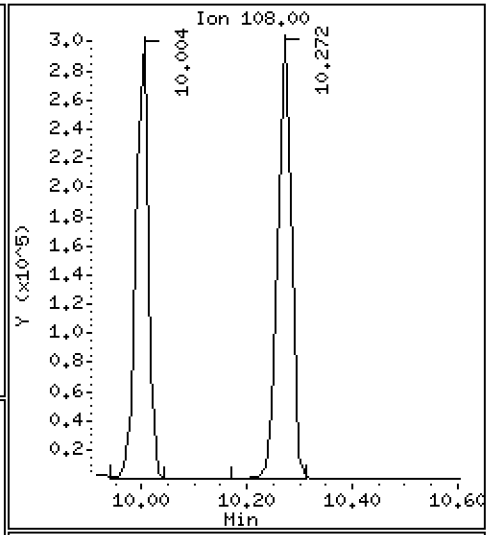
15 4-Methylphenol

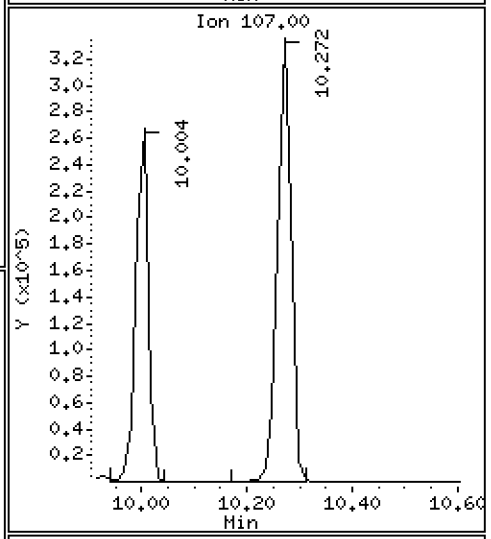
Concentration: 4.638 ug/mL

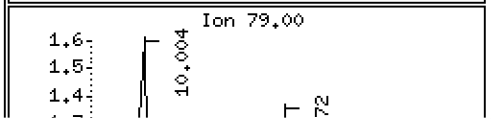












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

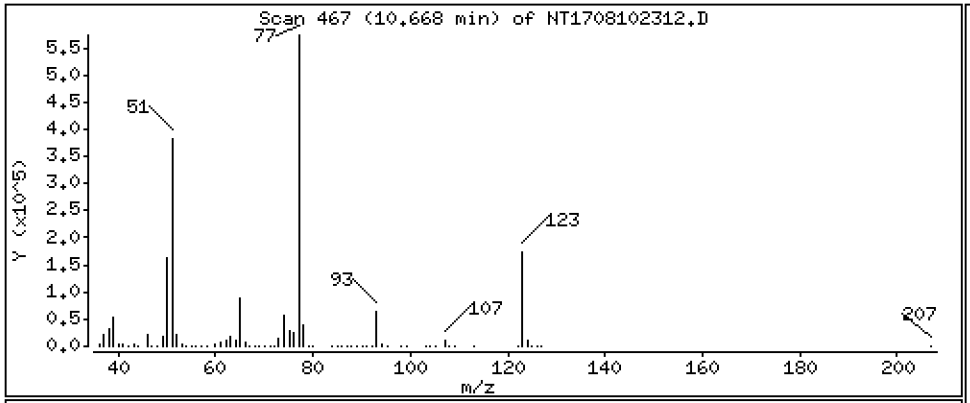
Operator: JGR

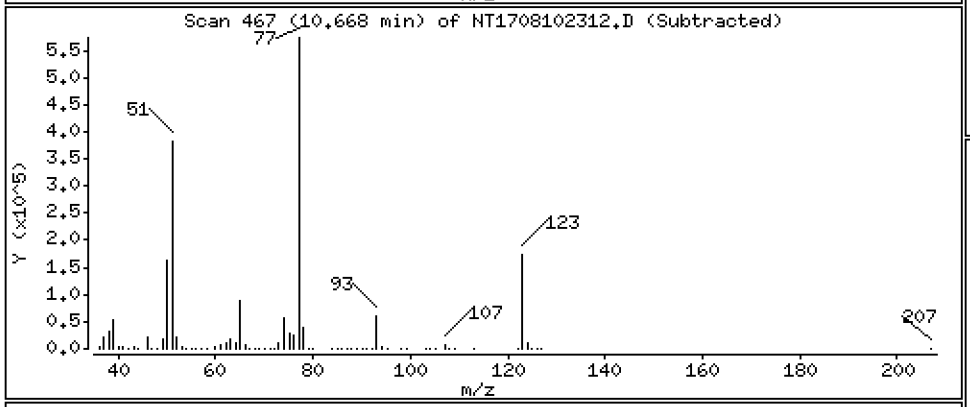
Column phase: ZB-5msi

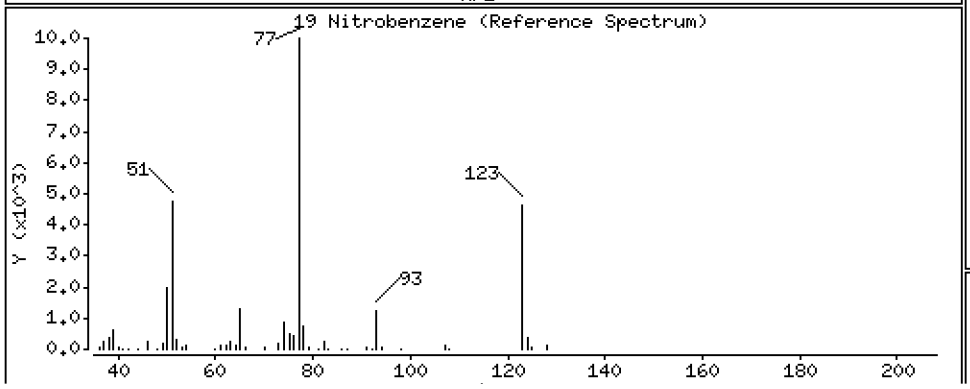
Column diameter: 0.25

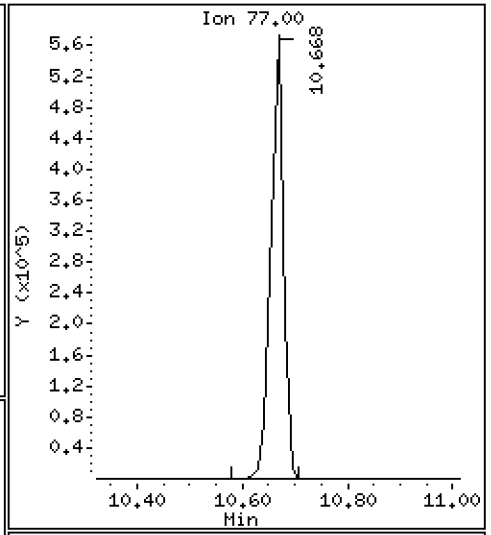
19 Nitrobenzene

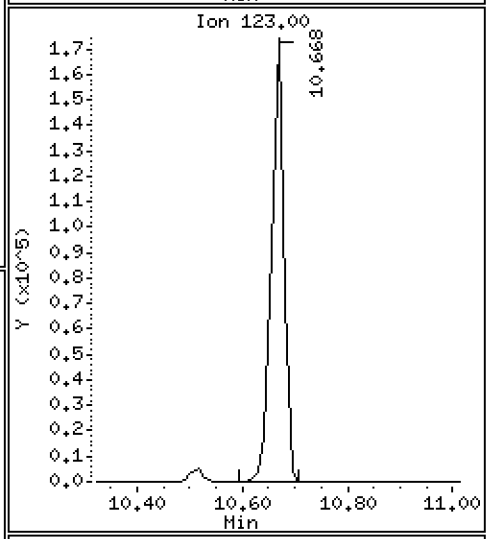
Concentration: 5.529 ug/mL

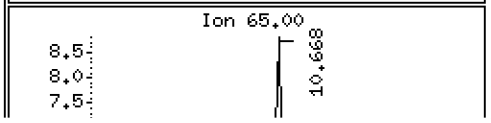












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

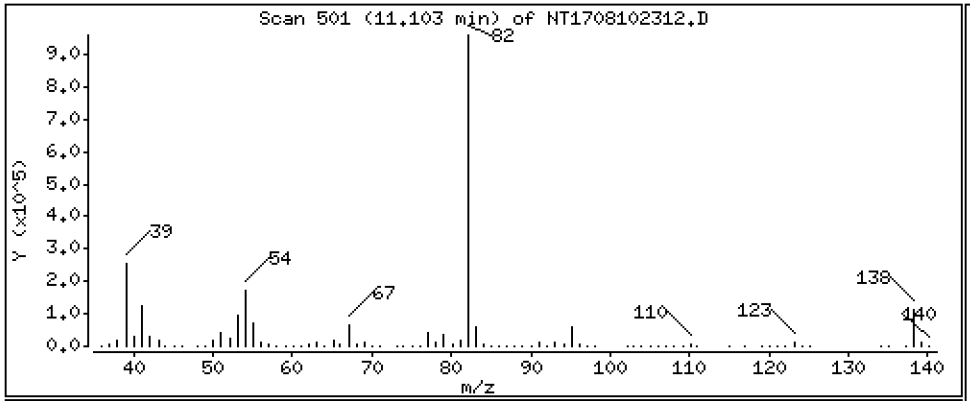
Operator: JGR

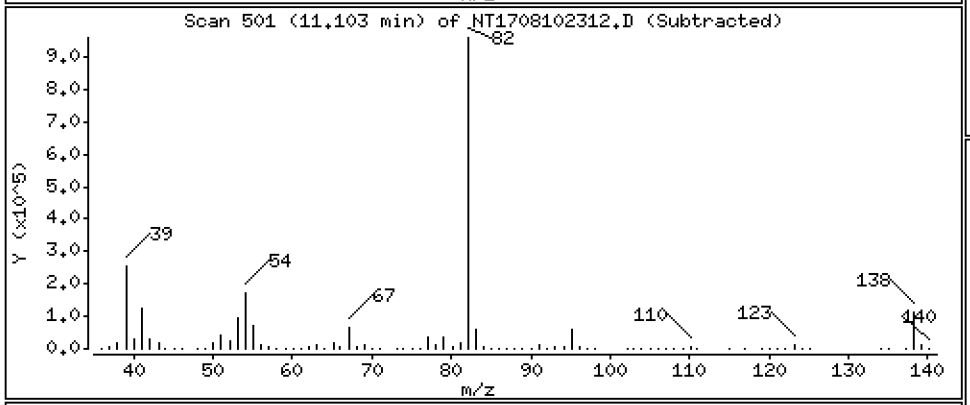
Column phase: ZB-5msi

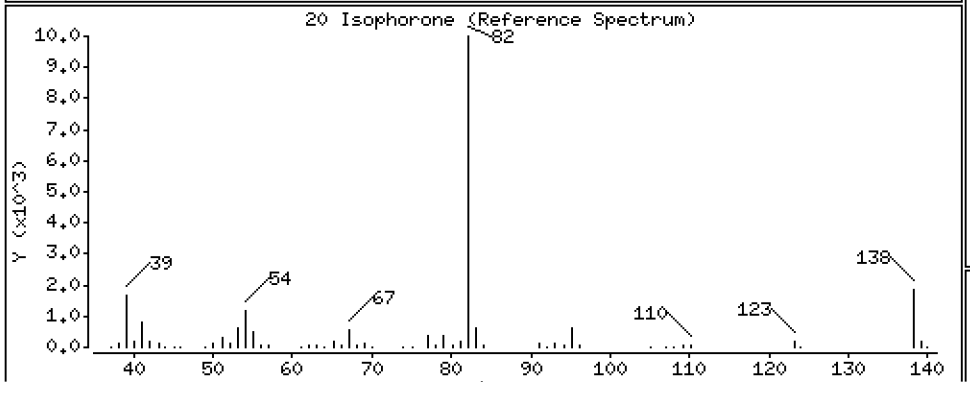
Column diameter: 0.25

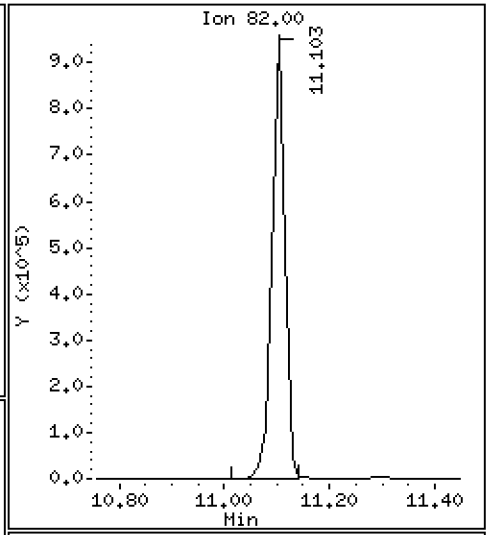
20 Isophorone

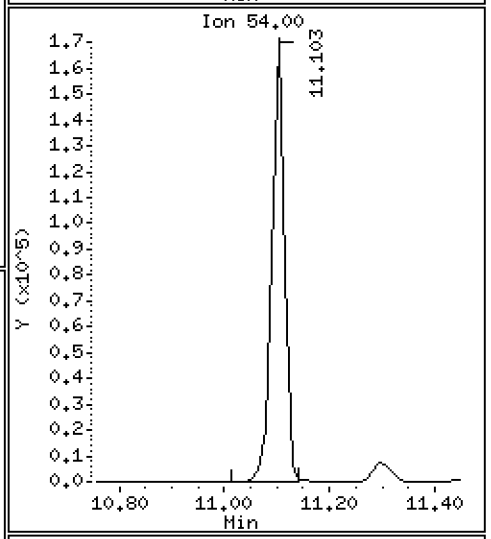
Concentration: 6.314 ug/mL

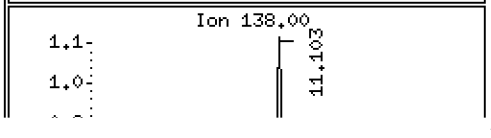












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

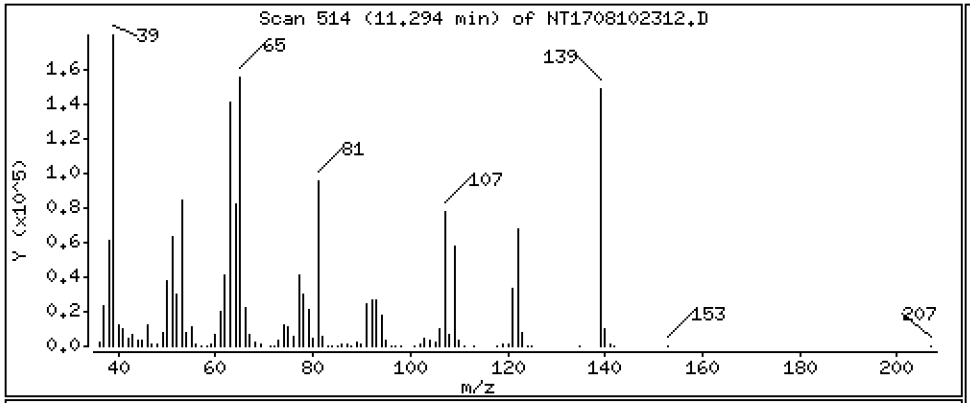
Operator: JGR

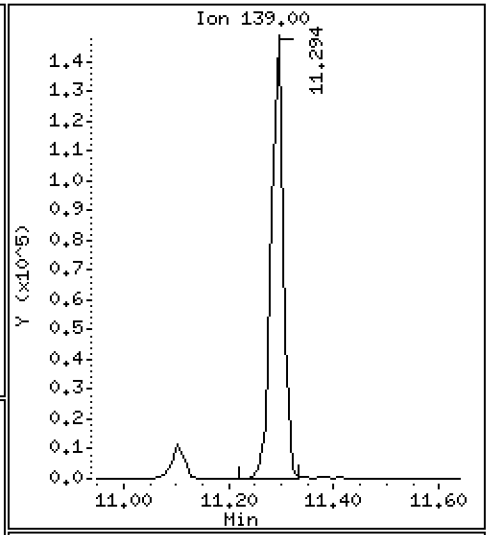
Column phase: ZB-5msi

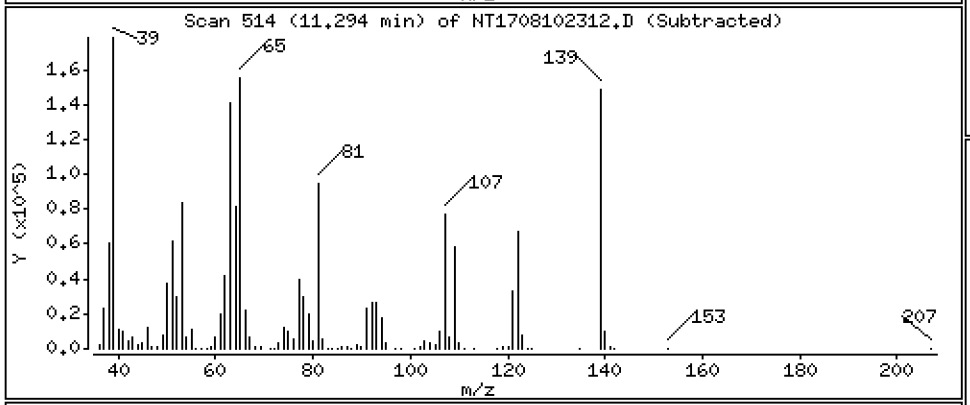
Column diameter: 0.25

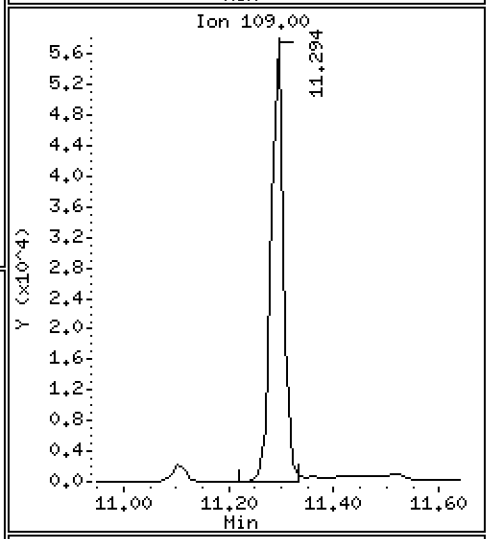
21 2-Nitrophenol

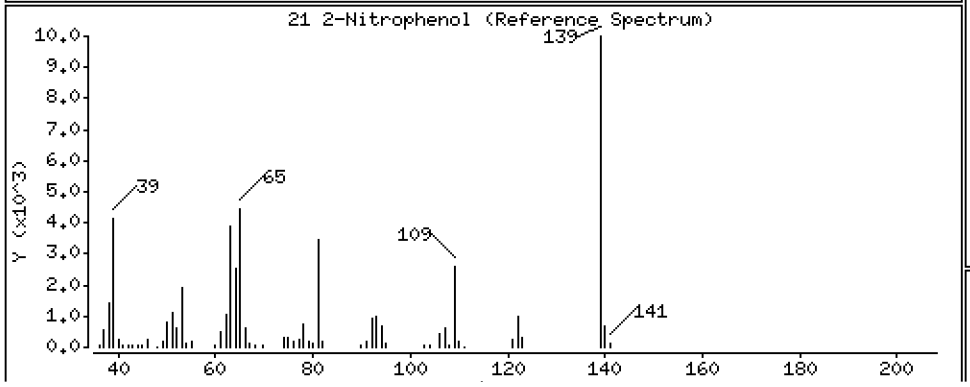
Concentration: 4.753 ug/mL

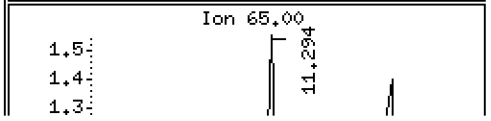












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

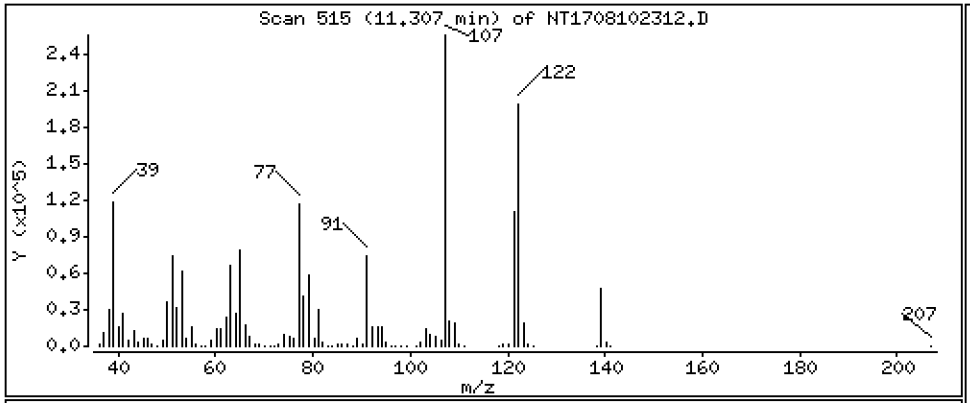
Operator: JGR

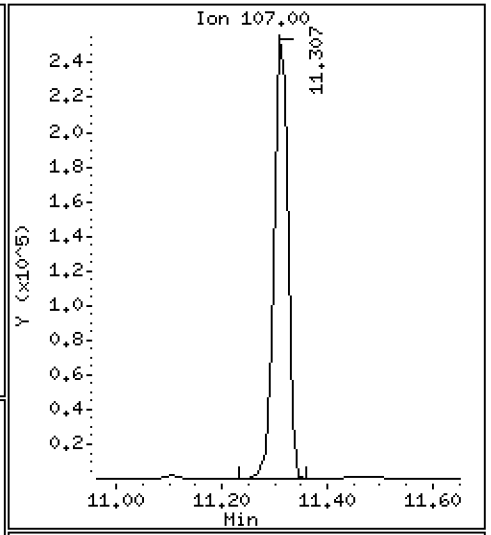
Column phase: ZB-5msi

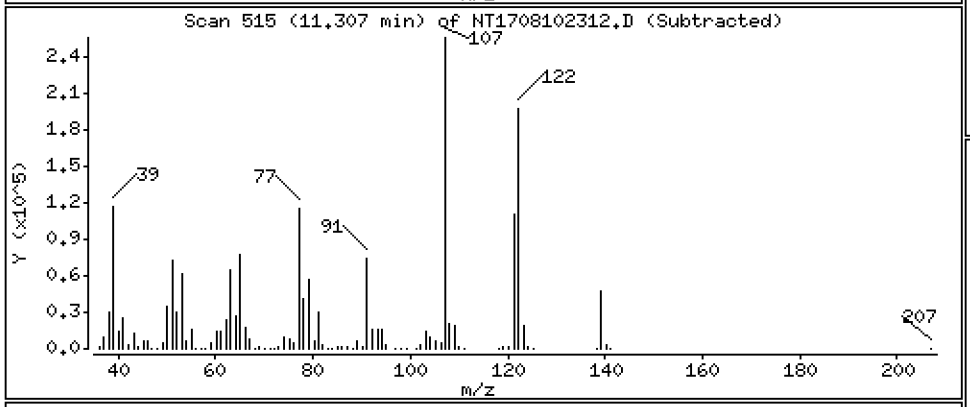
Column diameter: 0.25

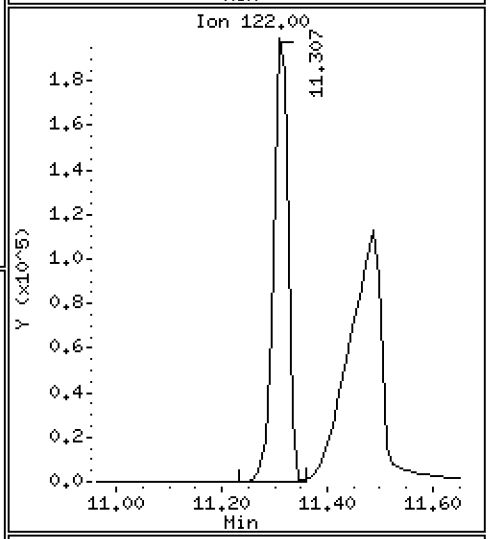
22 2,4-Dimethylphenol

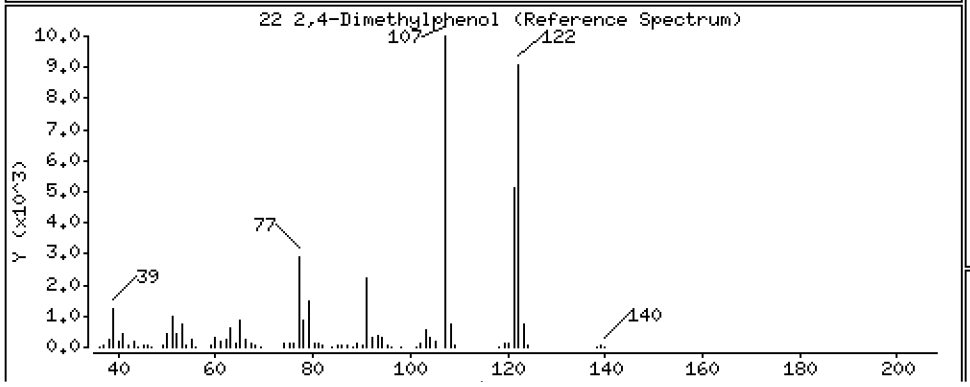
Concentration: 4.123 ug/mL

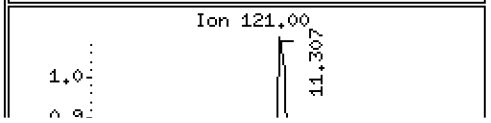












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

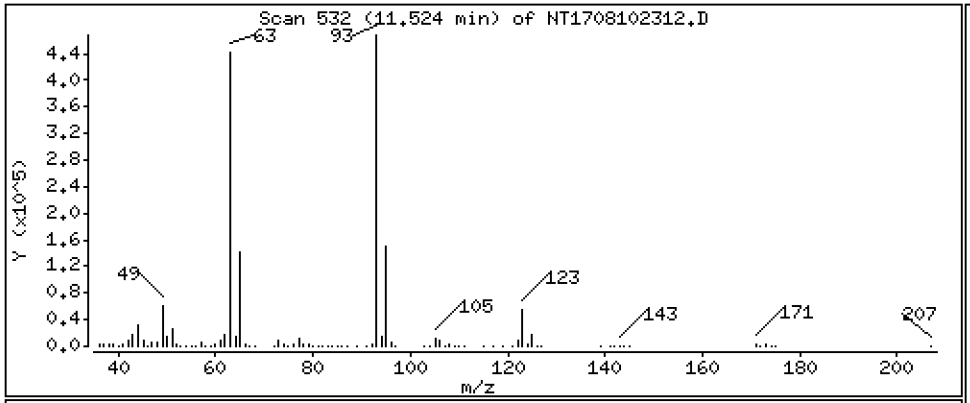
Operator: JGR

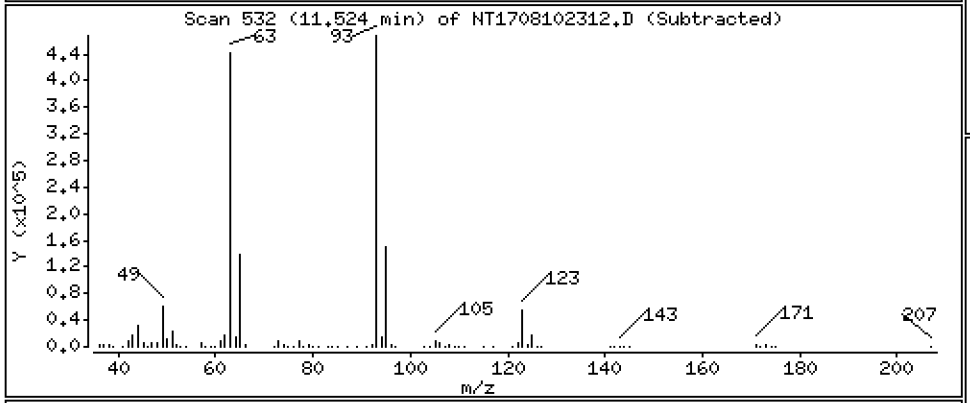
Column phase: ZB-5msi

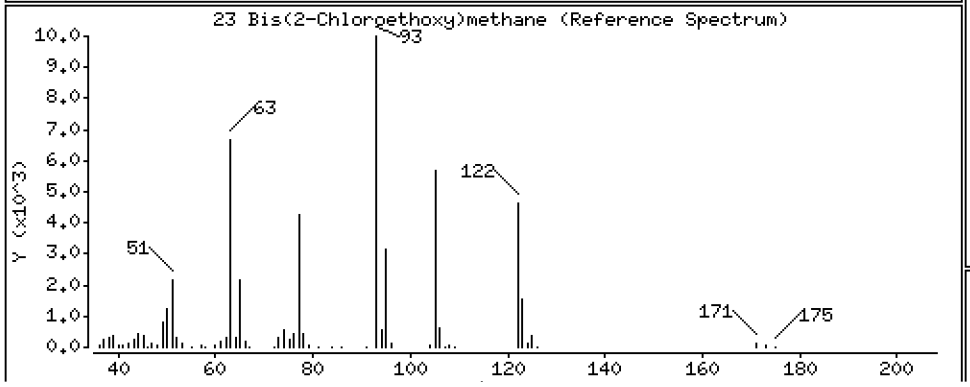
Column diameter: 0.25

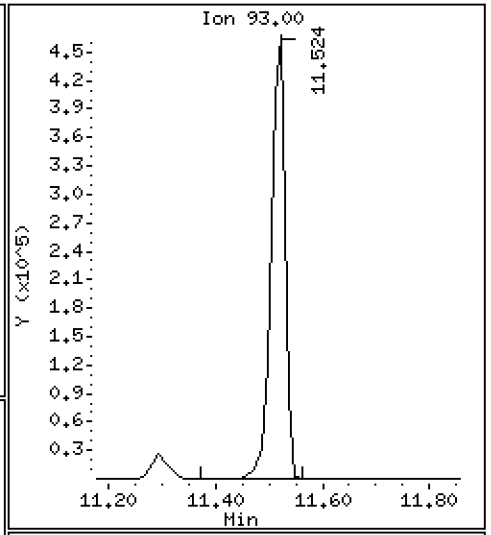
23 Bis(2-Chloroethoxy)methane

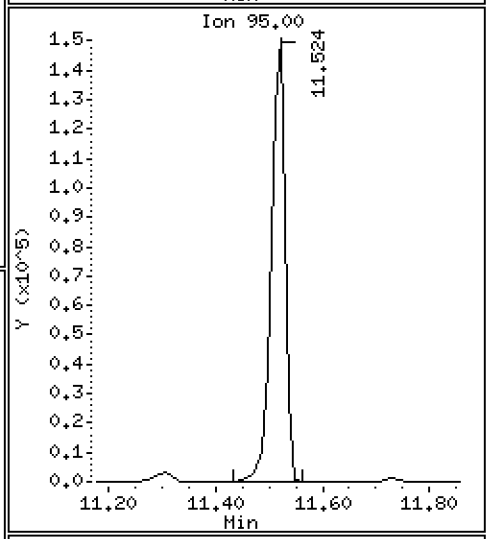
Concentration: 6.409 ug/mL

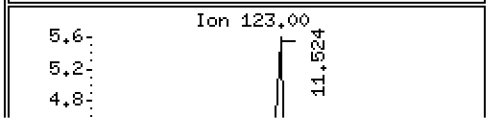












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

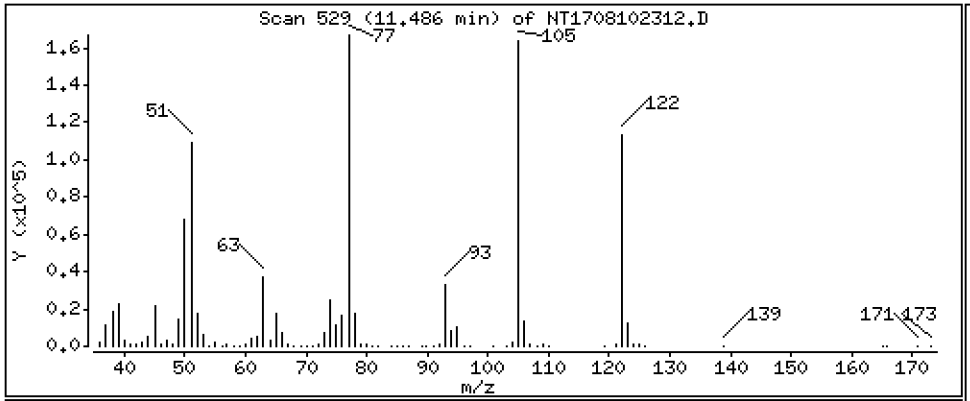
Operator: JGR

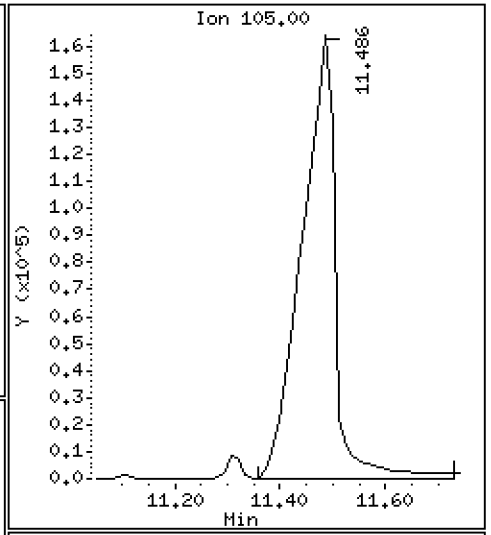
Column phase: ZB-5msi

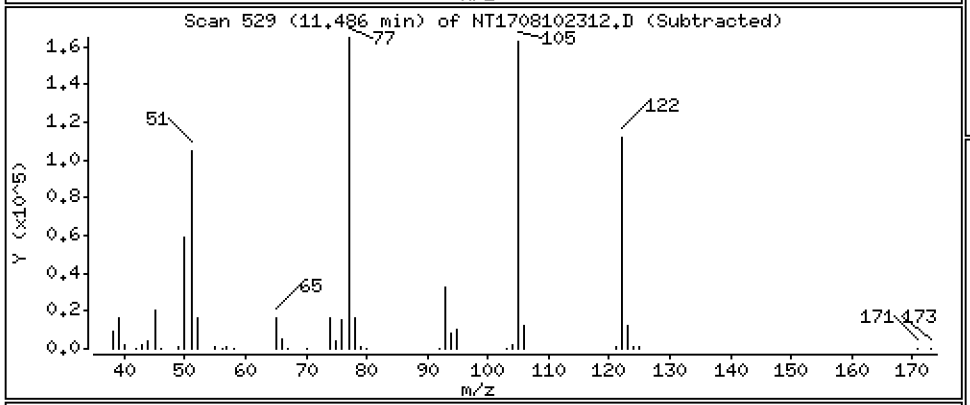
Column diameter: 0.25

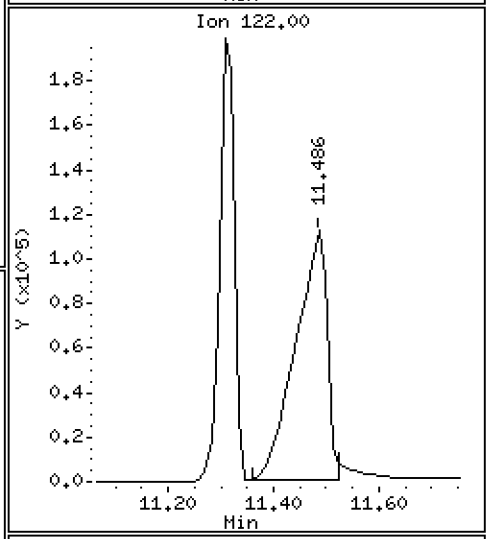
24 Benzoic acid

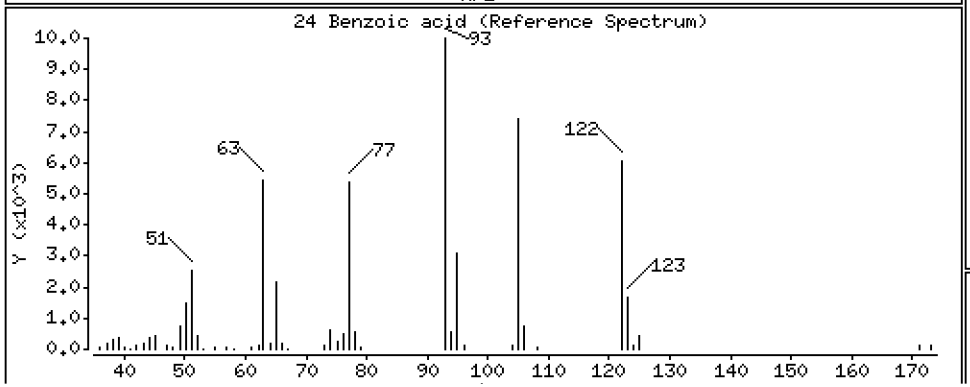
Concentration: 7.382 ug/mL

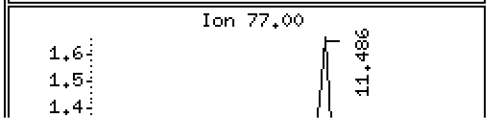












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

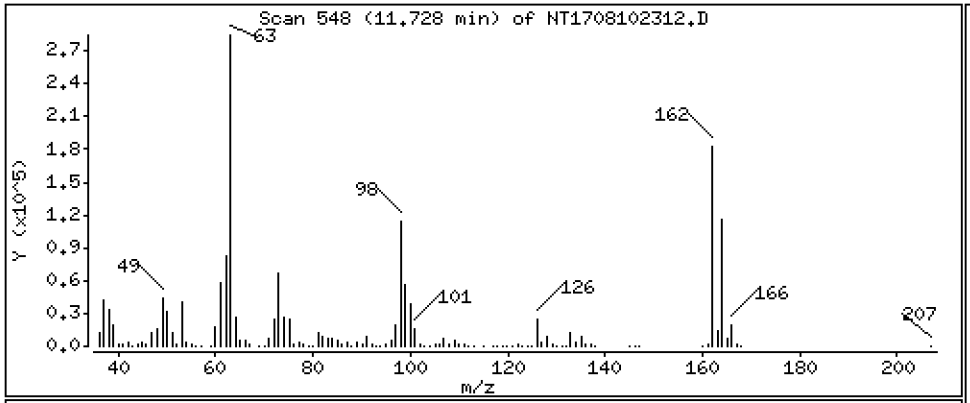
Operator: JGR

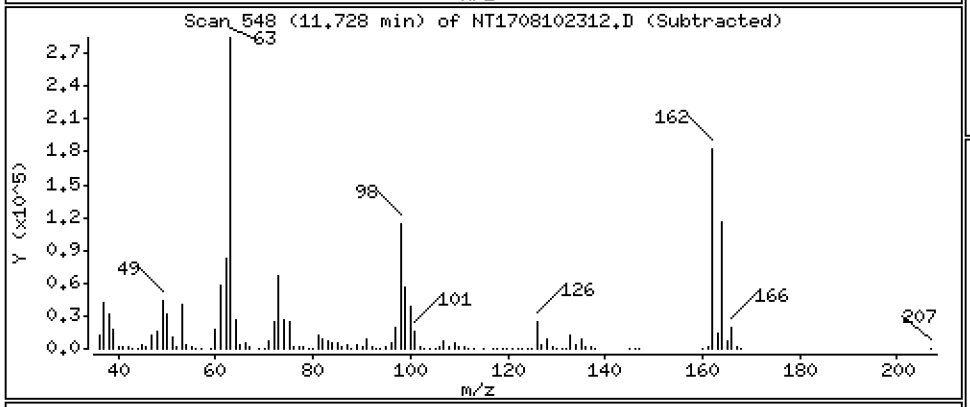
Column phase: ZB-5msi

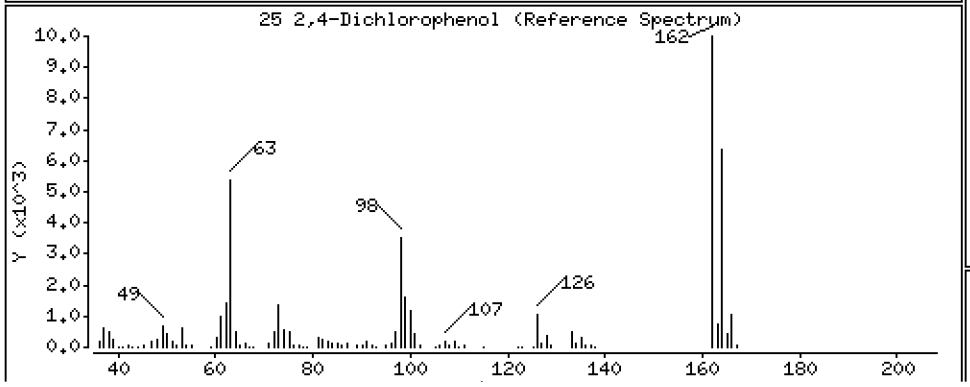
Column diameter: 0.25

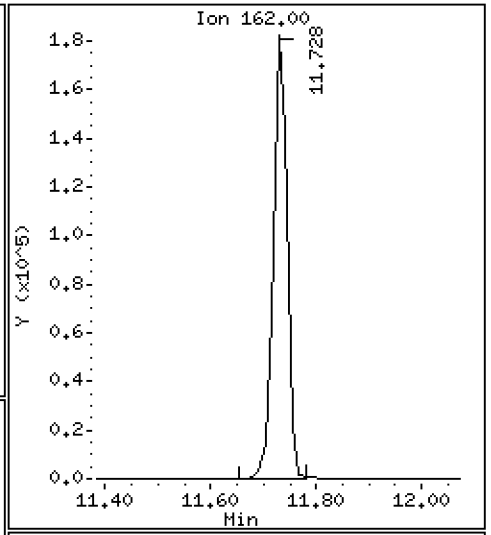
25 2,4-Dichlorophenol

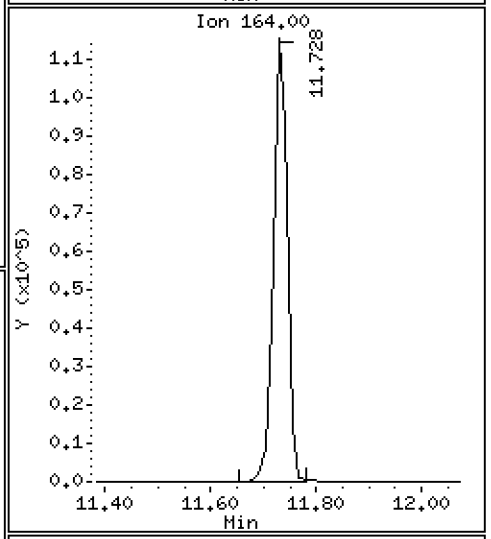
Concentration: 5.686 ug/mL

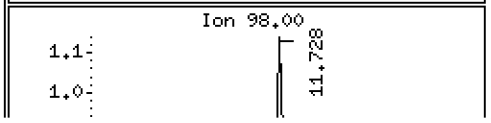












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

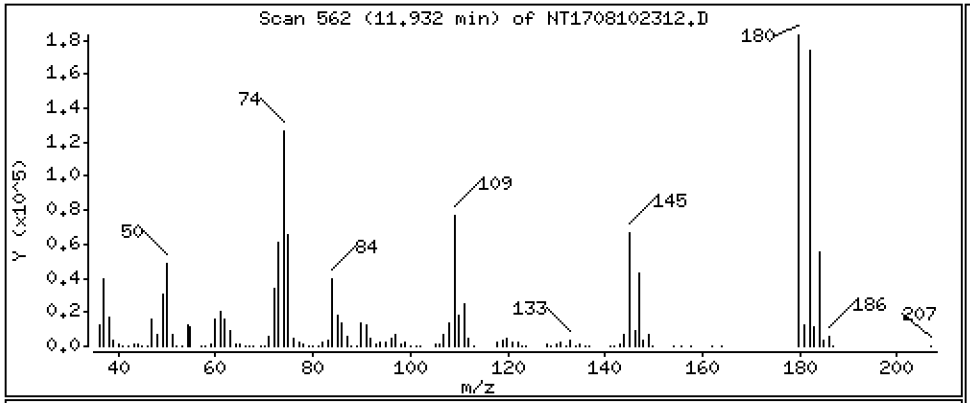
Operator: JGR

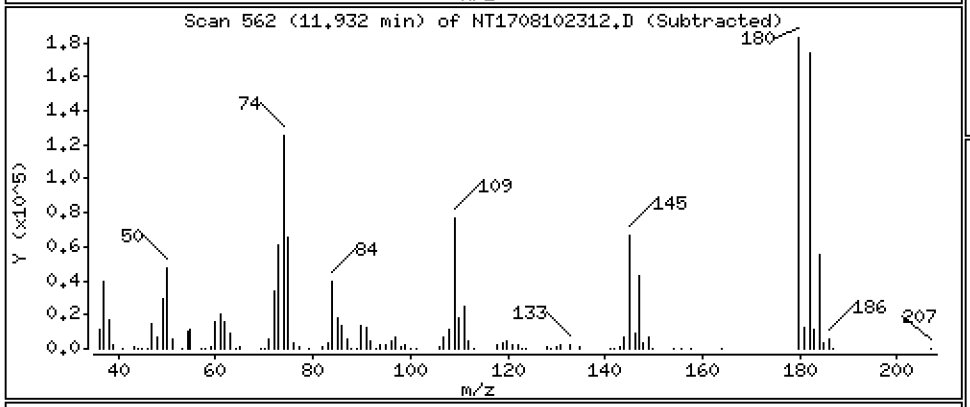
Column phase: ZB-5msi

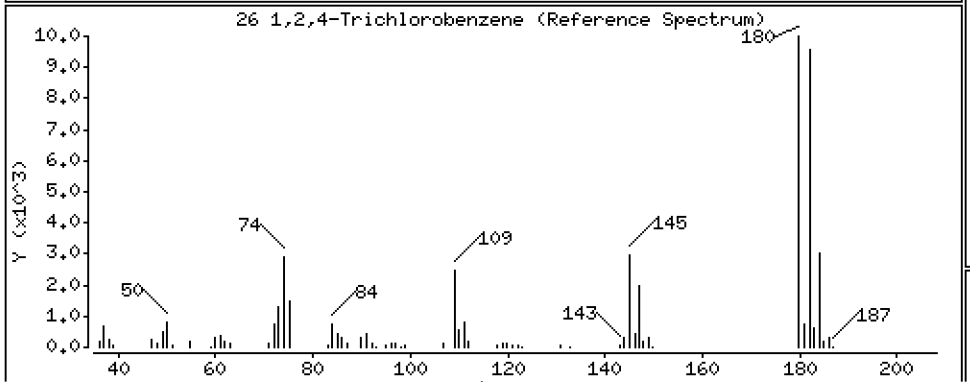
Column diameter: 0.25

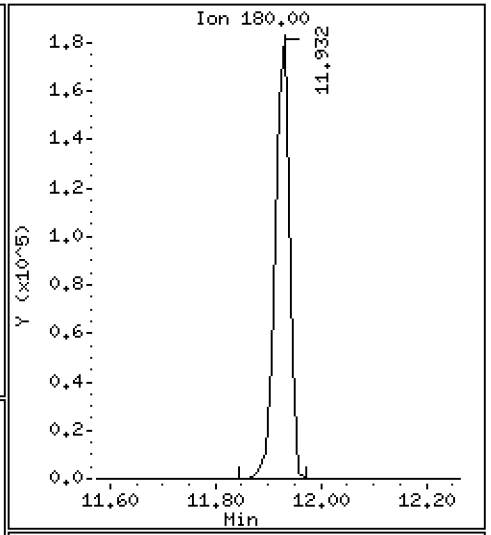
26 1,2,4-Trichlorobenzene

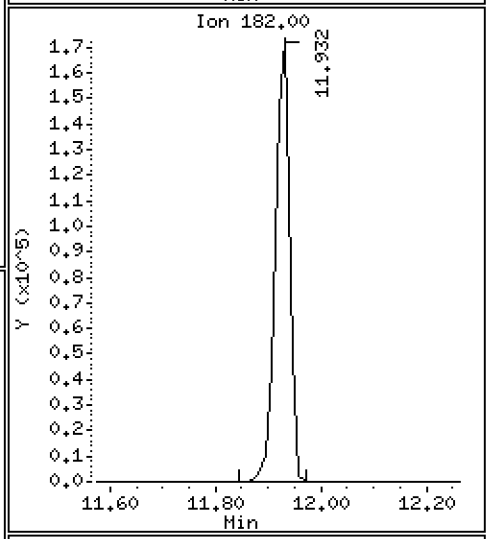
Concentration: 5.092 ug/mL

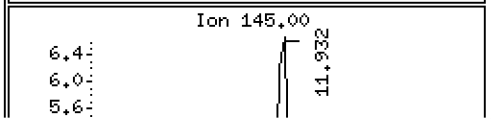












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

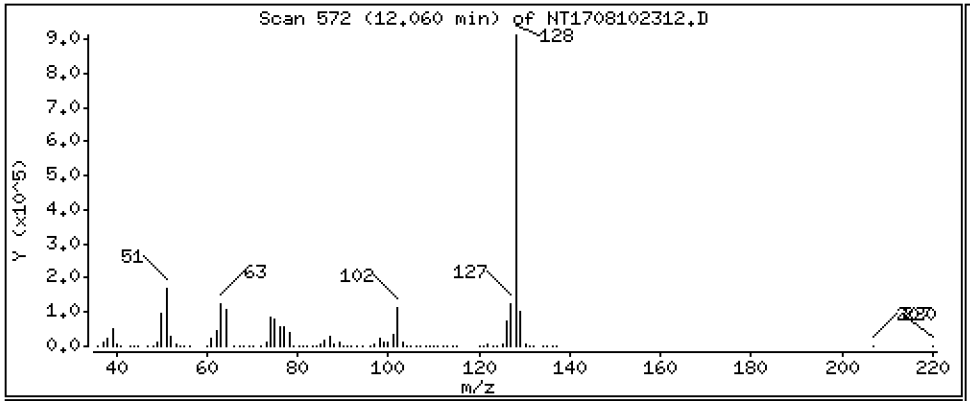
Operator: JGR

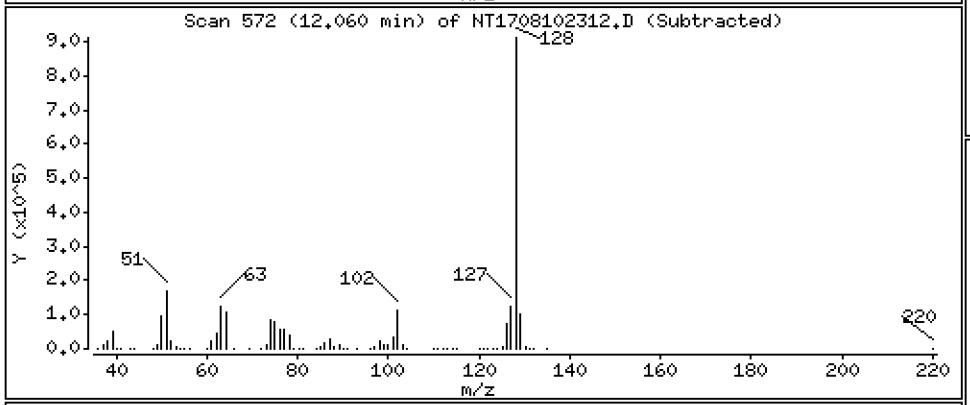
Column phase: ZB-5msi

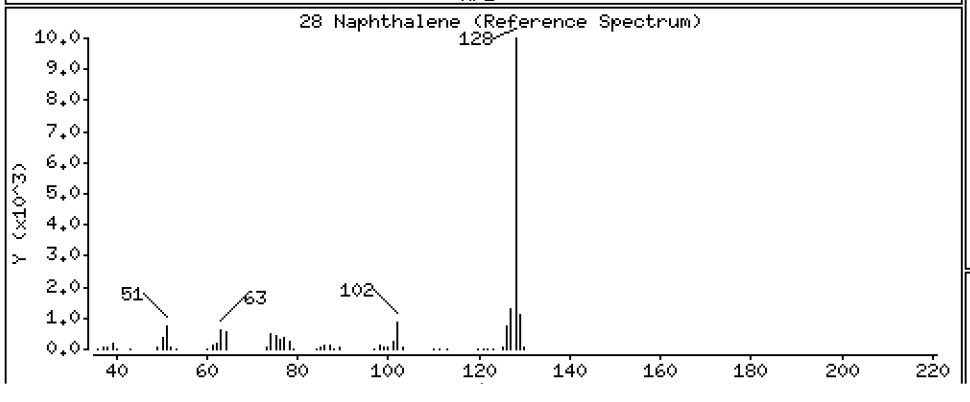
Column diameter: 0.25

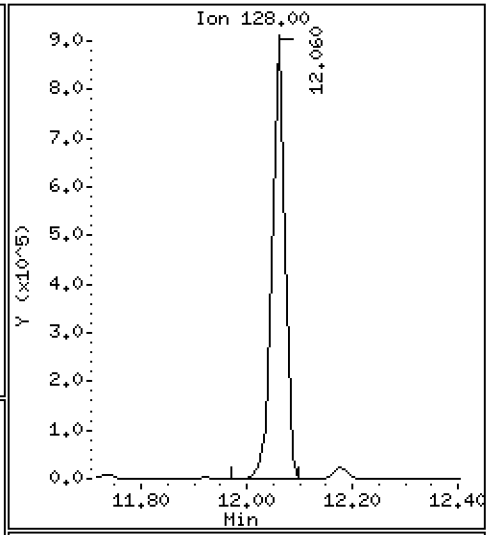
28 Naphthalene

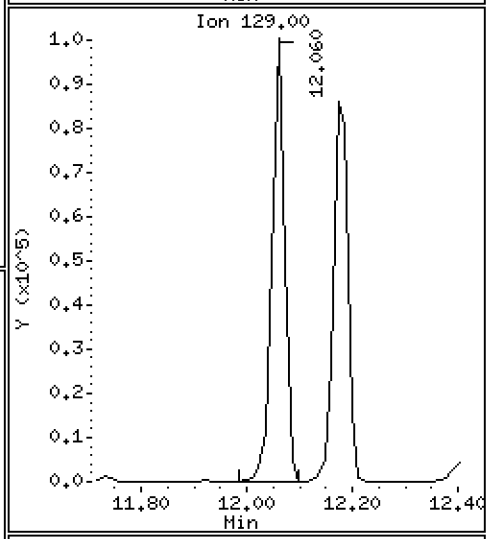
Concentration: 5.642 ug/mL

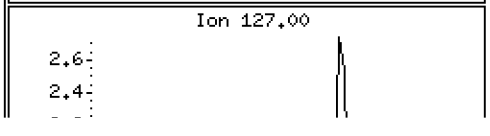












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

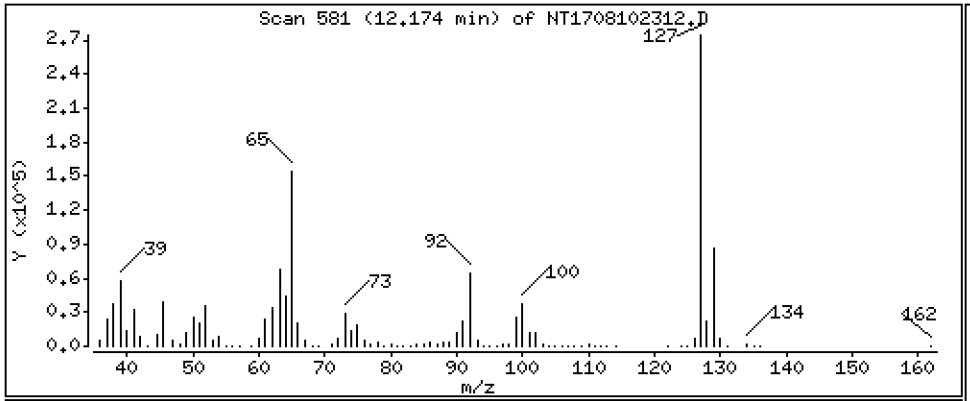
Operator: JGR

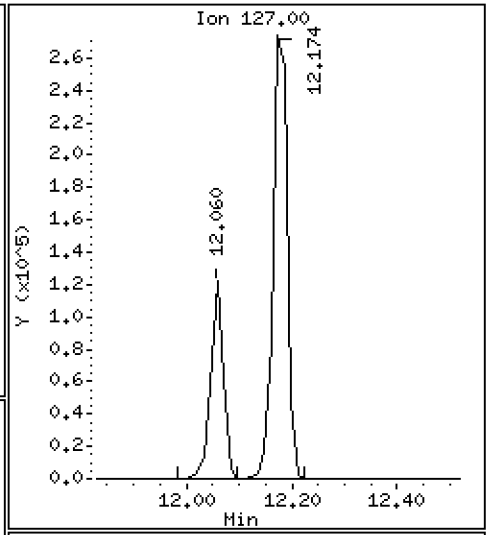
Column phase: ZB-5msi

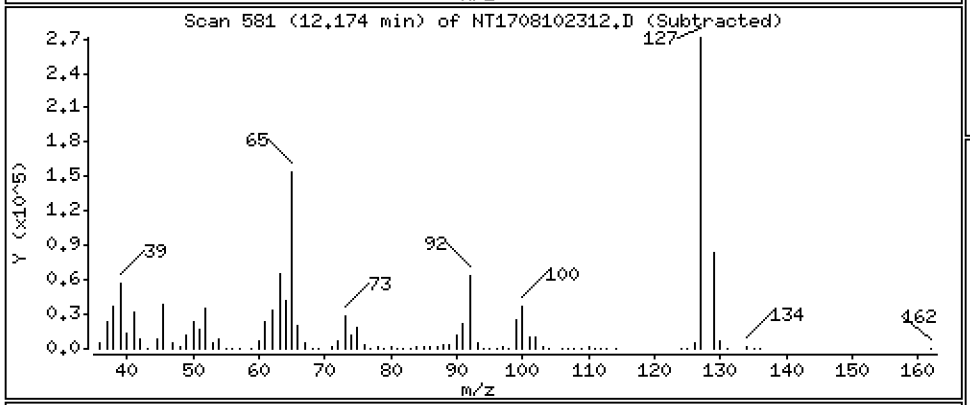
Column diameter: 0.25

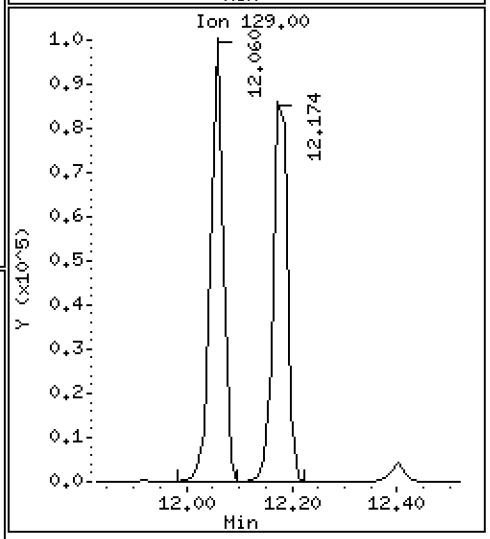
29 4-Chloroaniline

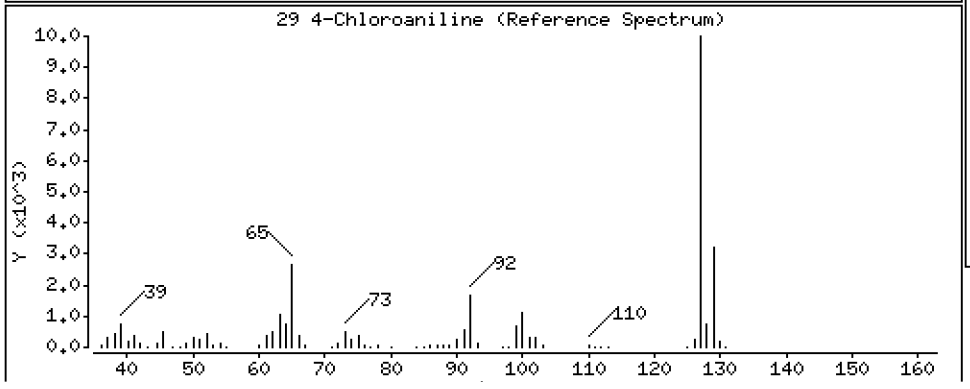
Concentration: 4.213 ug/mL











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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

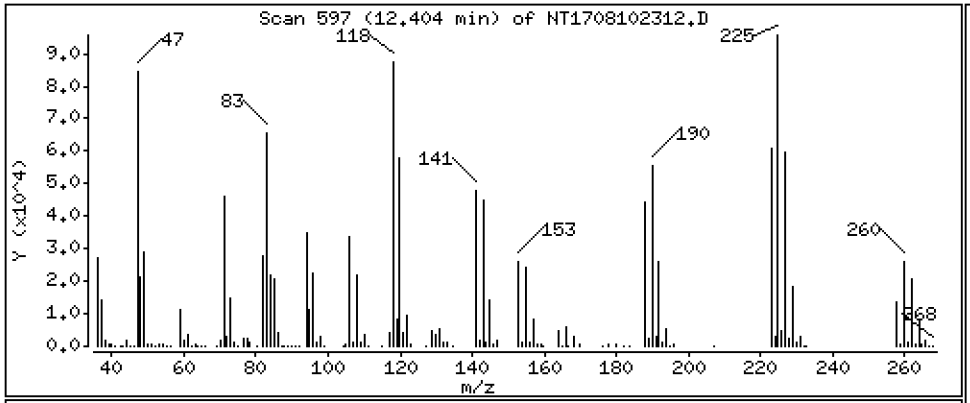
Operator: JGR

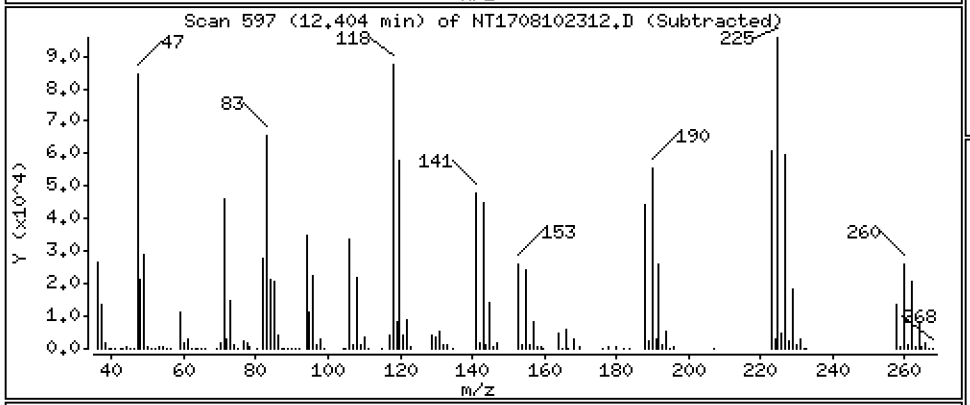
Column phase: ZB-5msi

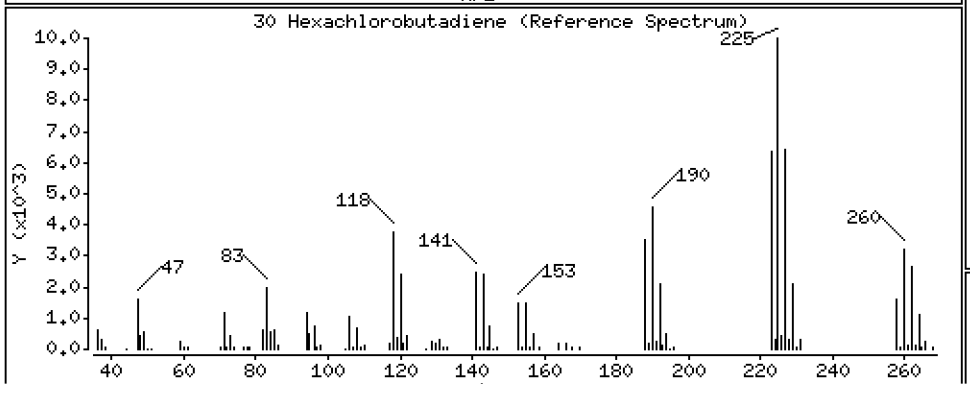
Column diameter: 0.25

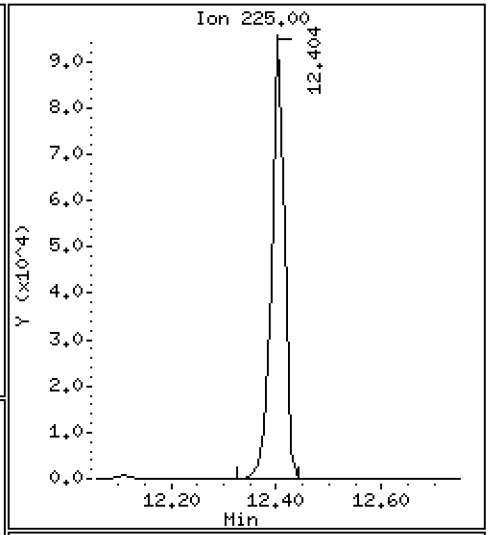
30 Hexachlorobutadiene

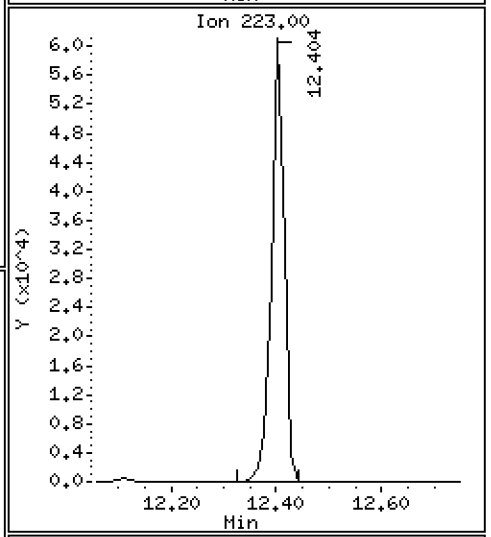
Concentration: 5.173 ug/mL

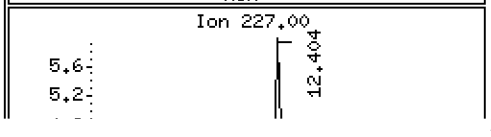












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

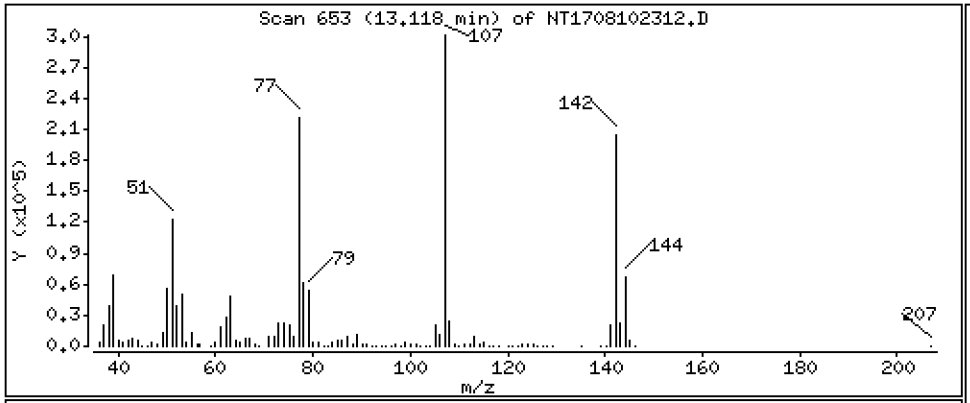
Operator: JGR

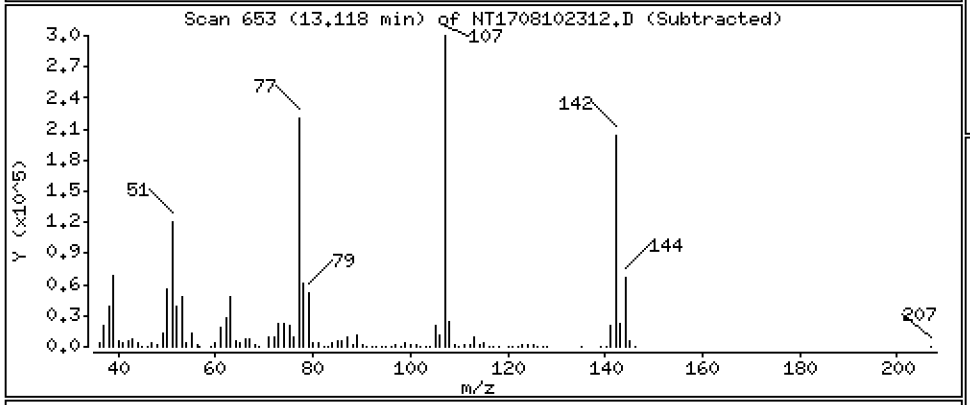
Column phase: ZB-5msi

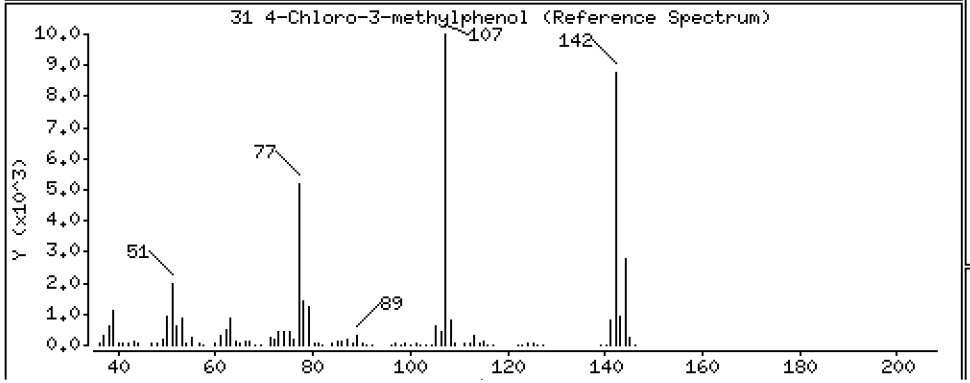
Column diameter: 0.25

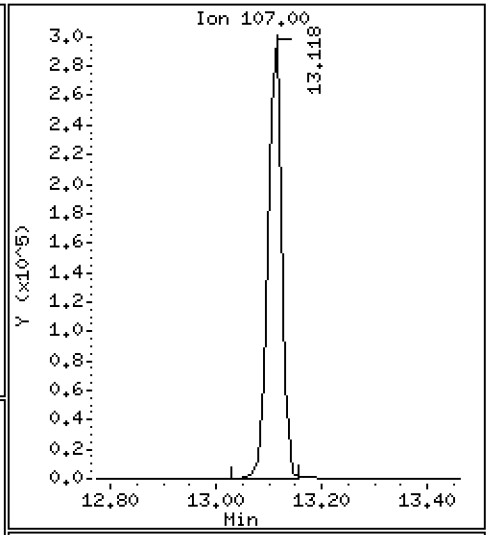
31 4-Chloro-3-methylphenol

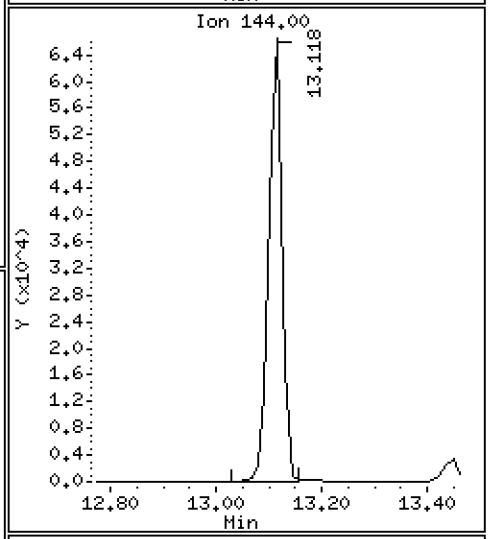
Concentration: 4.798 ug/mL

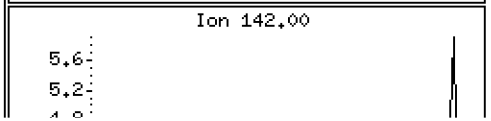












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

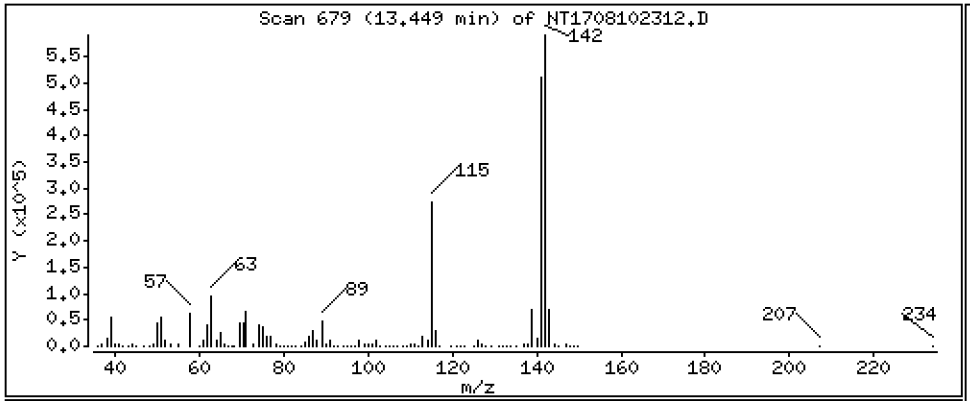
Operator: JGR

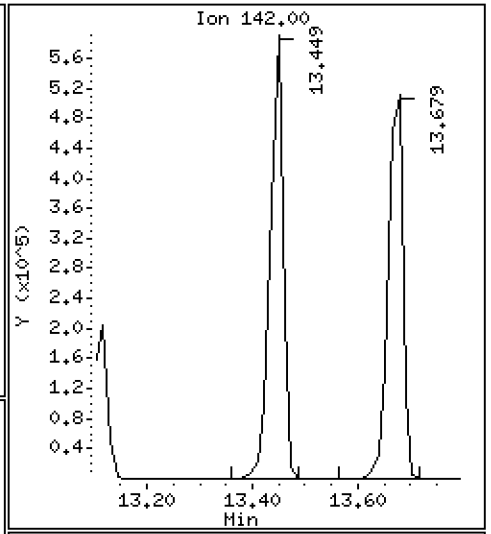
Column phase: ZB-5msi

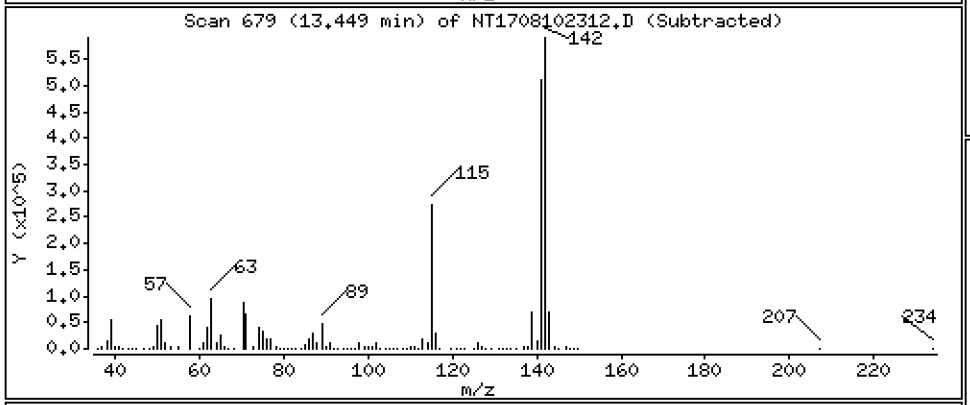
Column diameter: 0.25

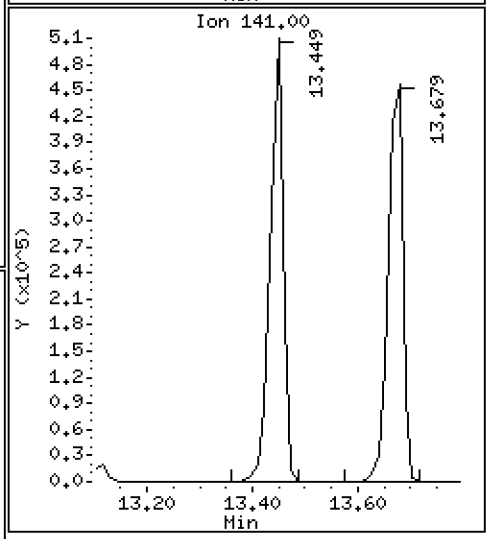
32 2-Methylnaphthalene

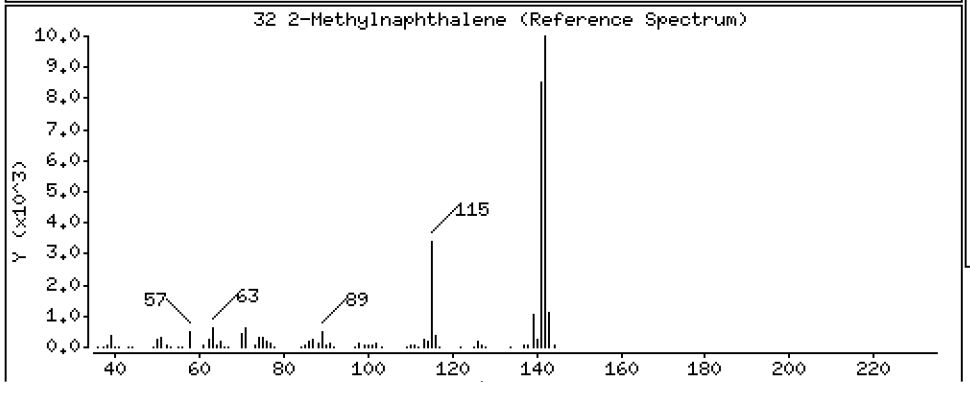
Concentration: 5.370 ug/mL











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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

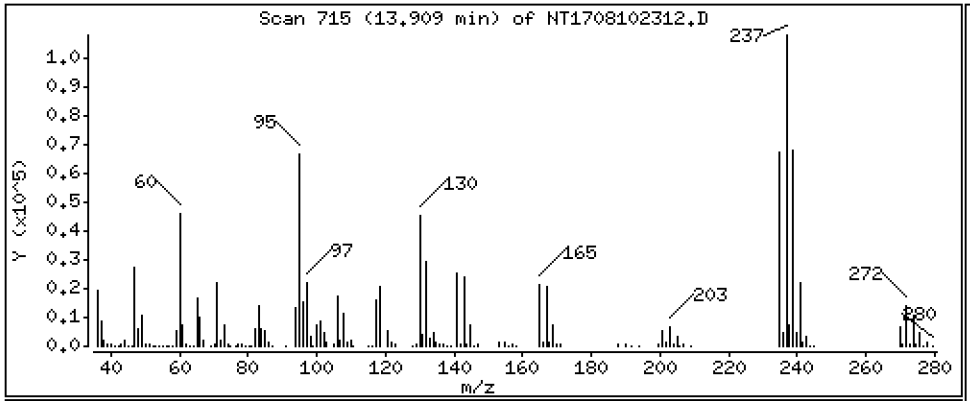
Operator: JGR

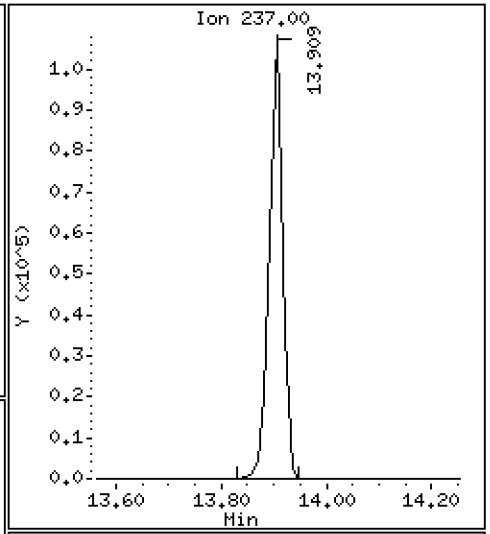
Column phase: ZB-5msi

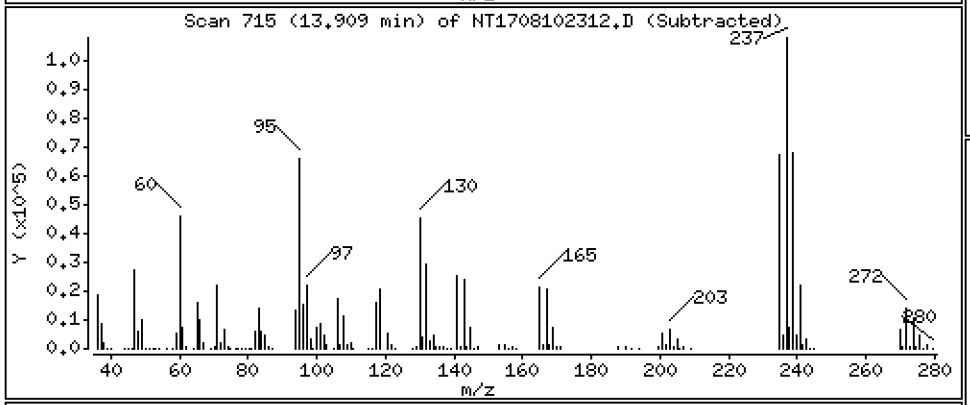
Column diameter: 0.25

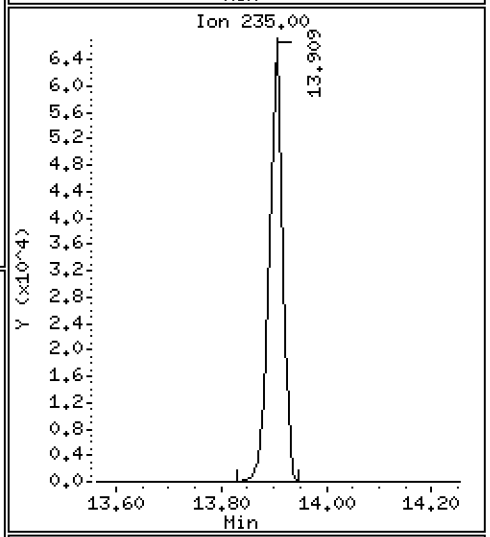
33 Hexachlorocyclopentadiene

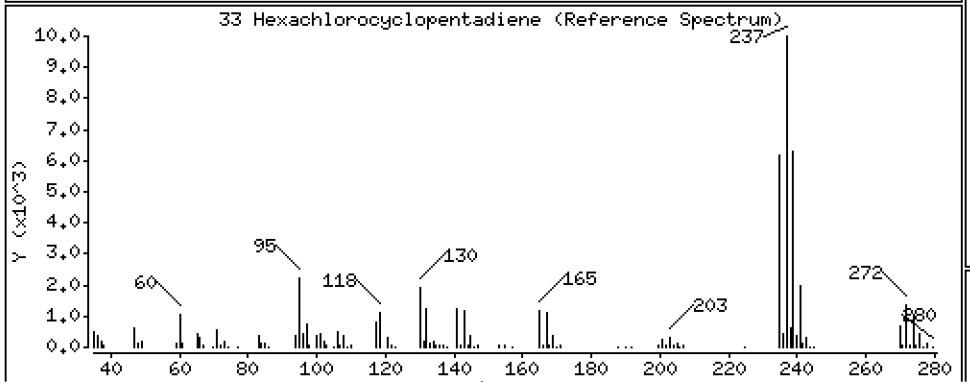
Concentration: 4.282 ug/mL

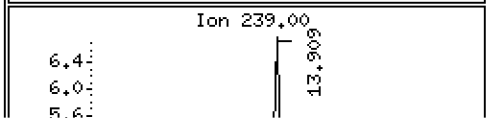












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

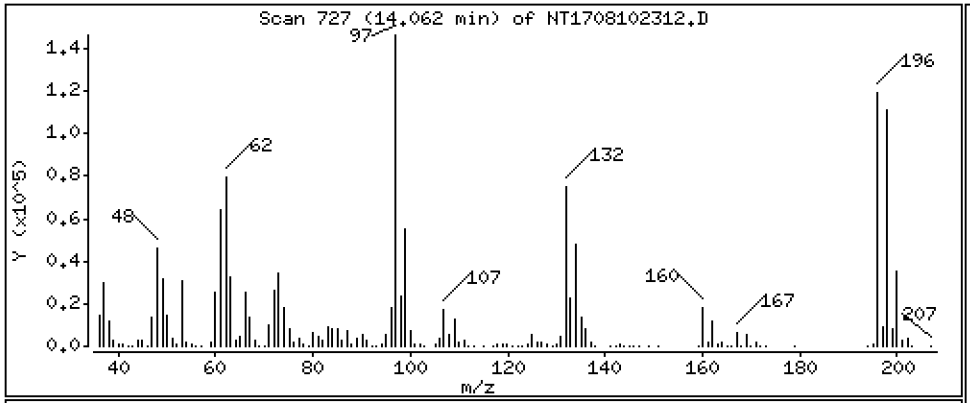
Operator: JGR

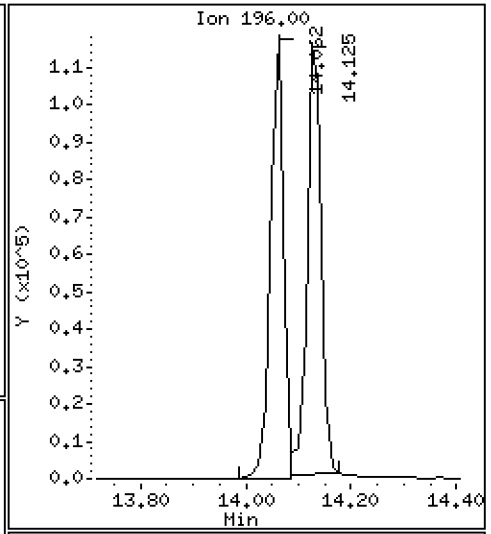
Column phase: ZB-5msi

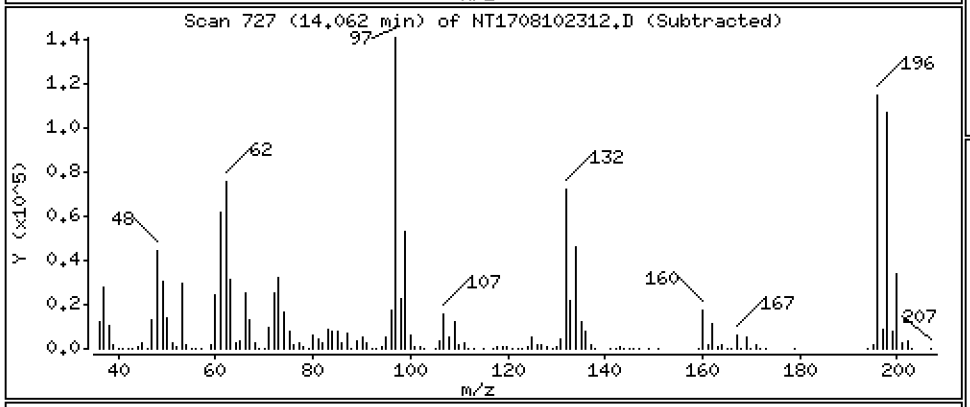
Column diameter: 0.25

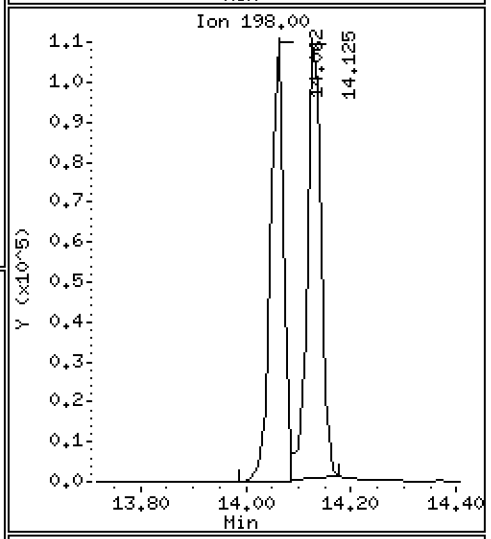
34 2,4,6-Trichlorophenol

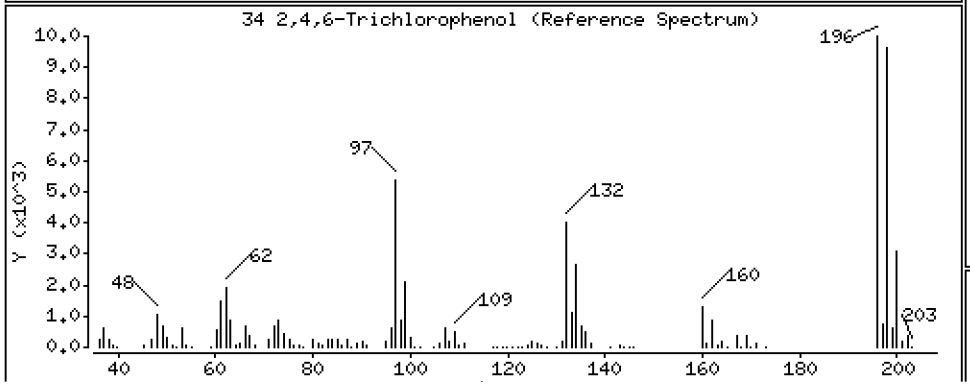
Concentration: 4.376 ug/mL

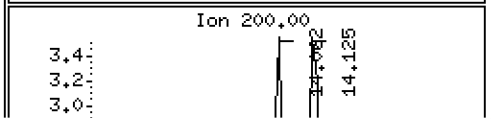












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

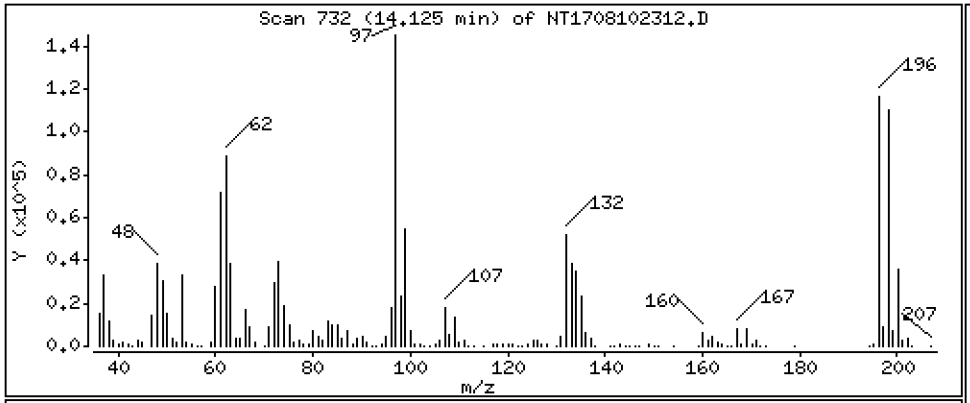
Operator: JGR

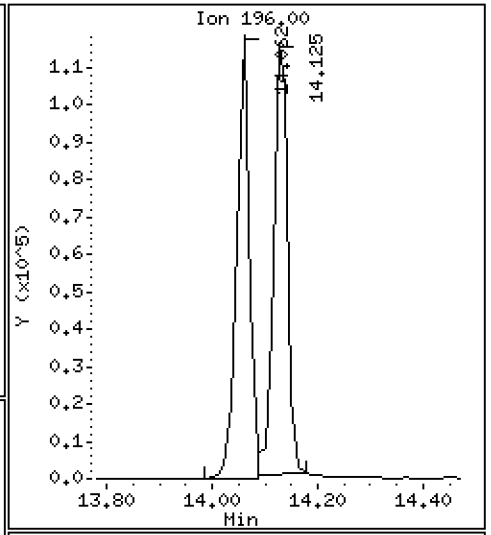
Column phase: ZB-5msi

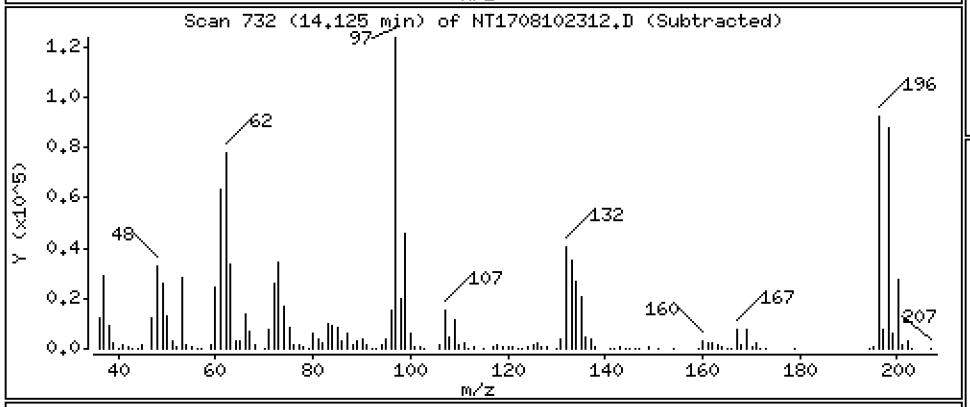
Column diameter: 0.25

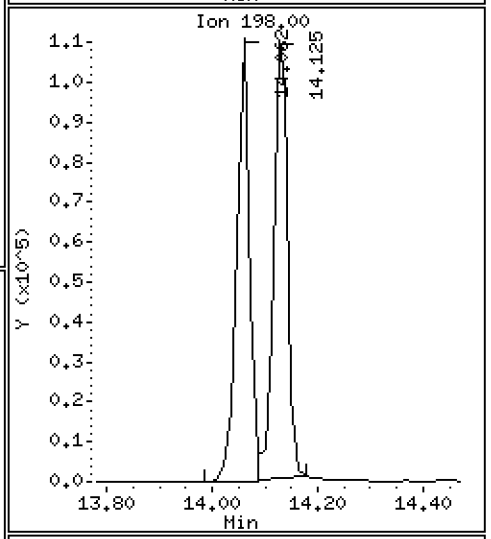
35 2,4,5-Trichlorophenol

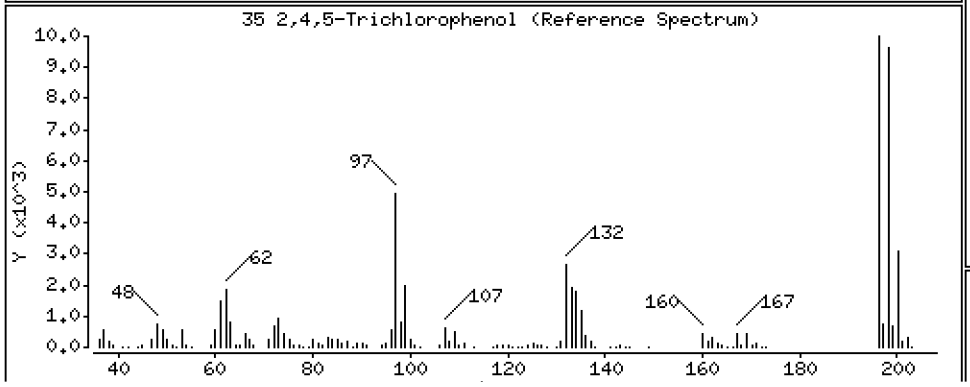
Concentration: 5.127 ug/mL

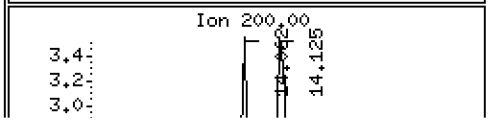












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

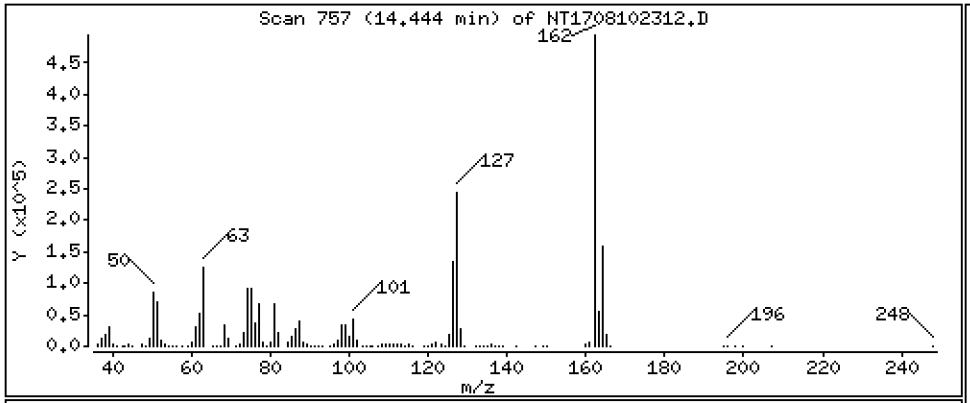
Operator: JGR

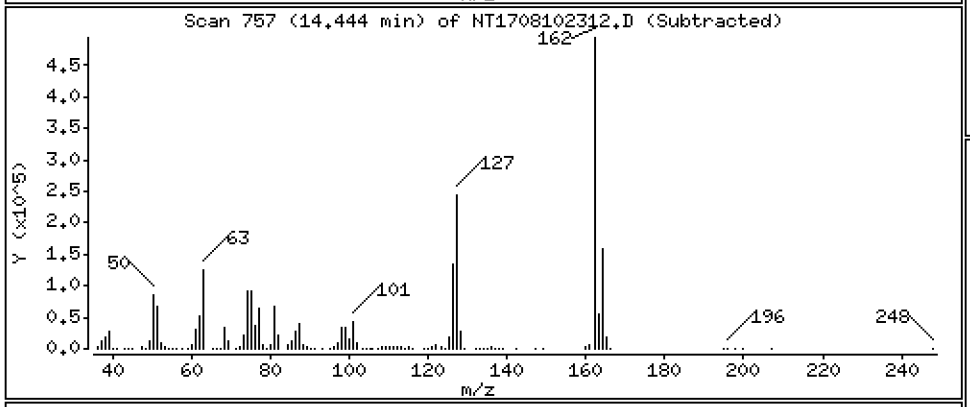
Column phase: ZB-5msi

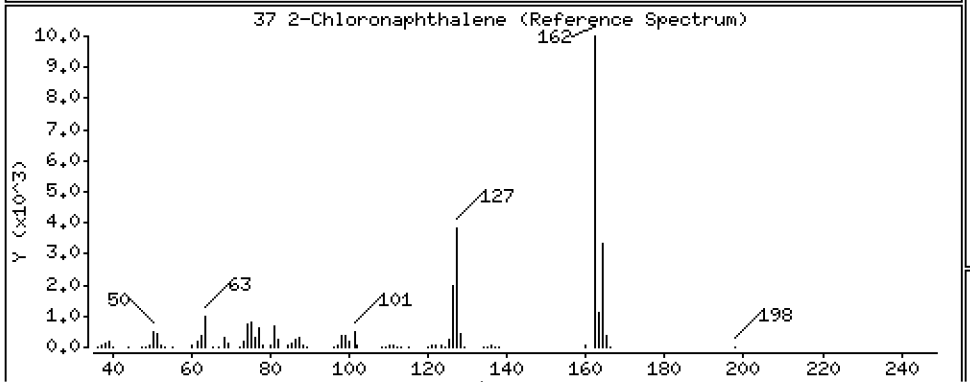
Column diameter: 0.25

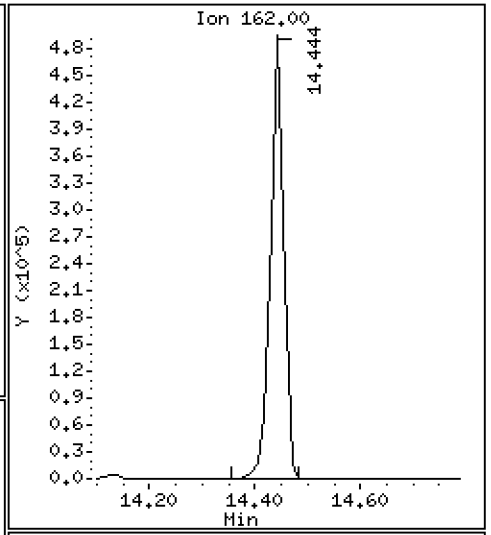
37 2-Chloronaphthalene

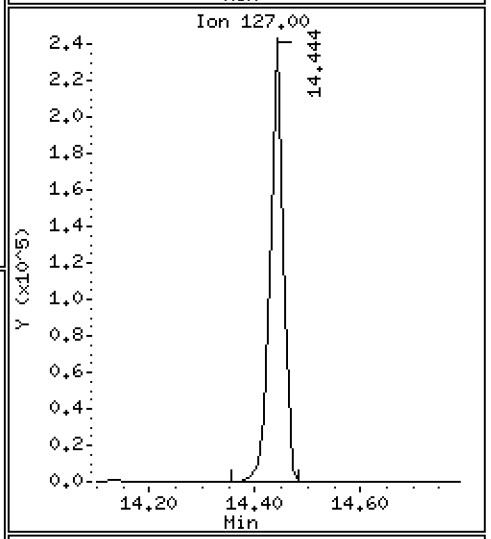
Concentration: 5.507 ug/mL

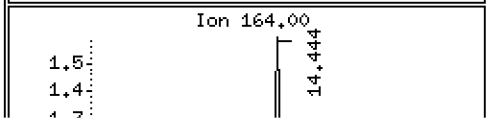












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

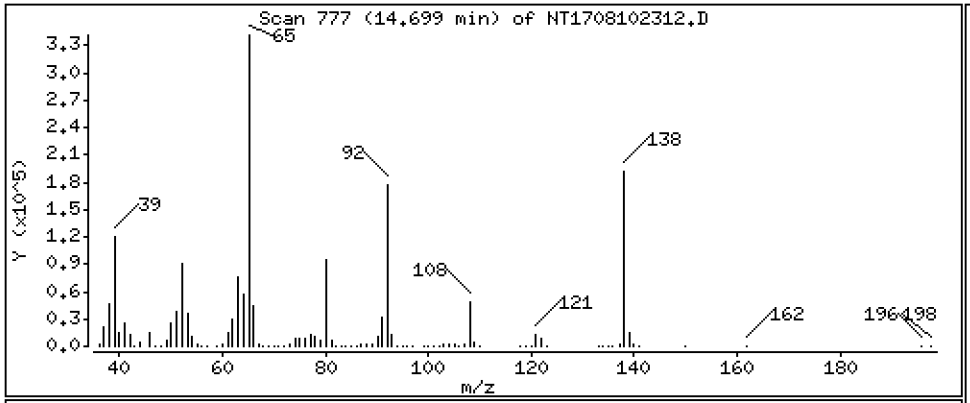
Operator: JGR

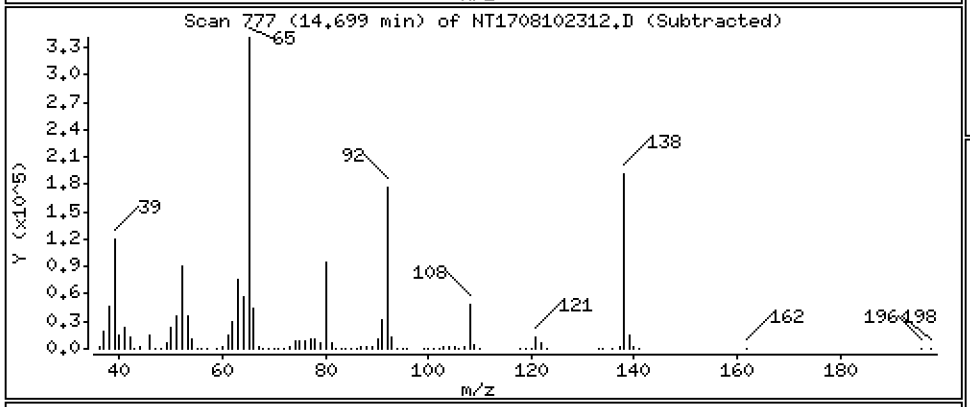
Column phase: ZB-5msi

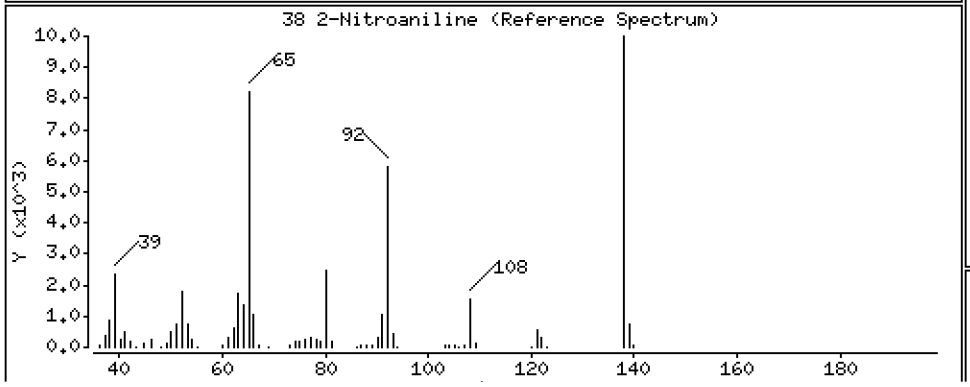
Column diameter: 0.25

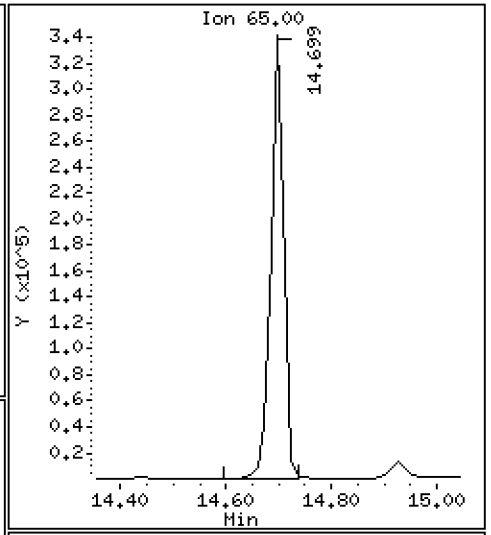
38 2-Nitroaniline

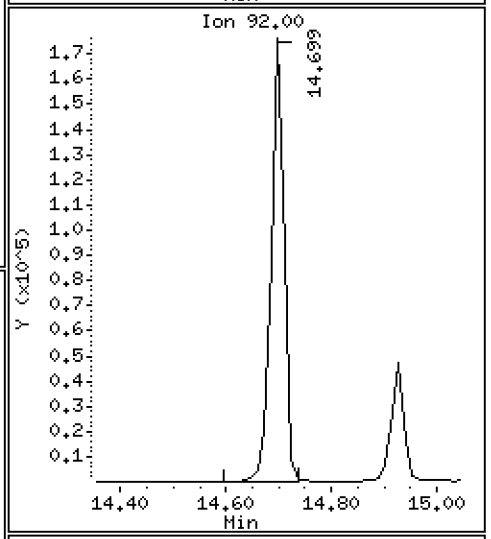
Concentration: 4.630 ug/mL

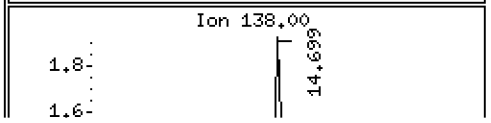












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

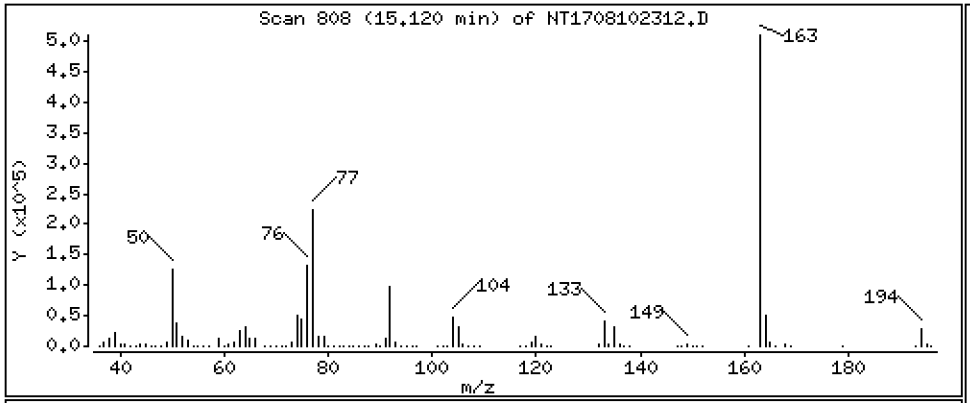
Operator: JGR

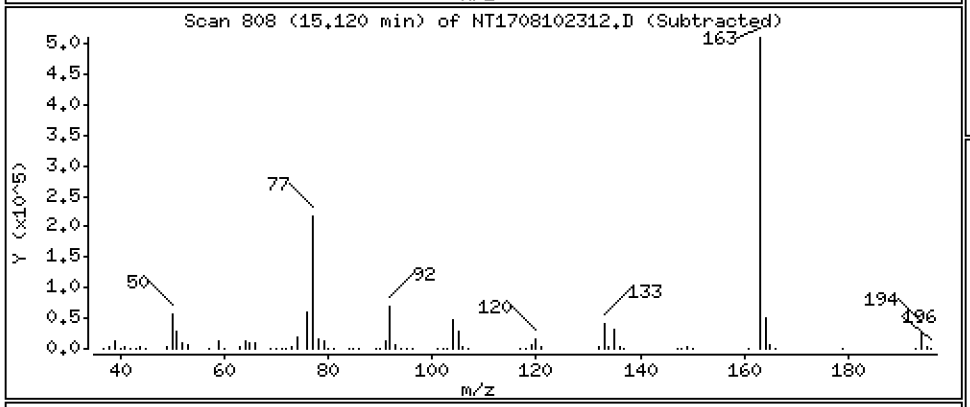
Column phase: ZB-5msi

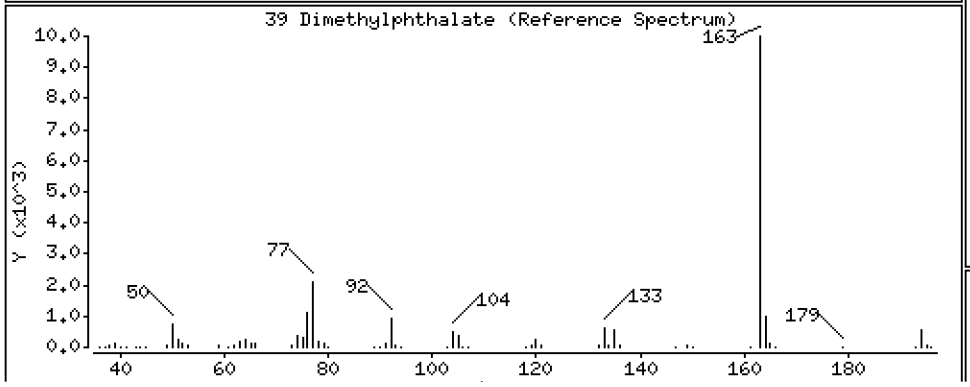
Column diameter: 0.25

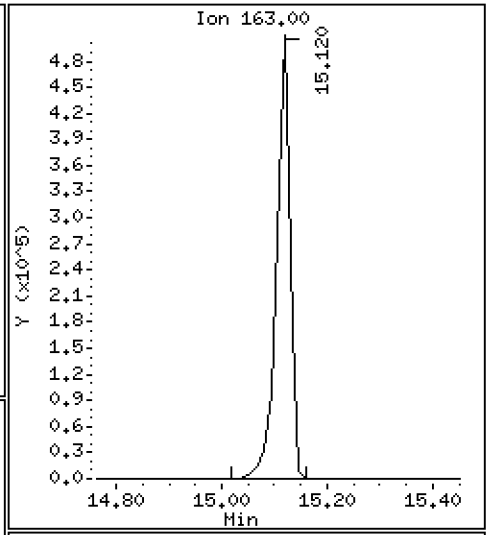
39 Dimethylphthalate

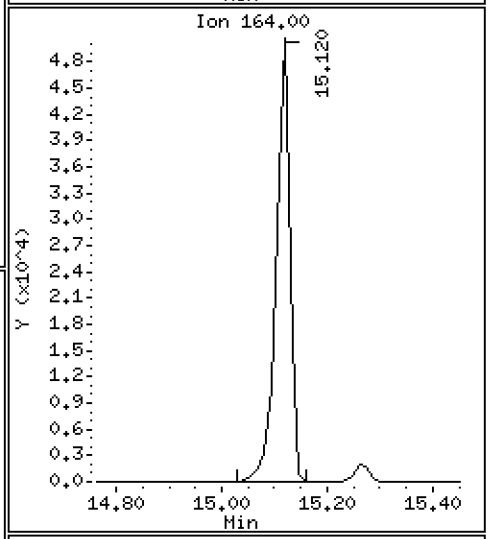
Concentration: 5.665 ug/mL

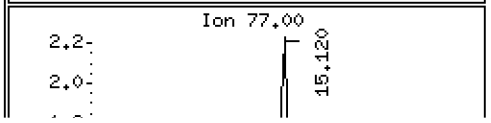












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

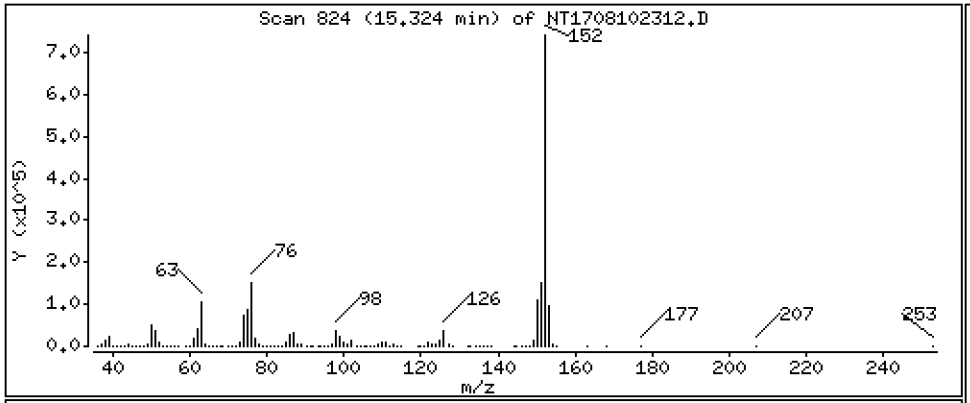
Operator: JGR

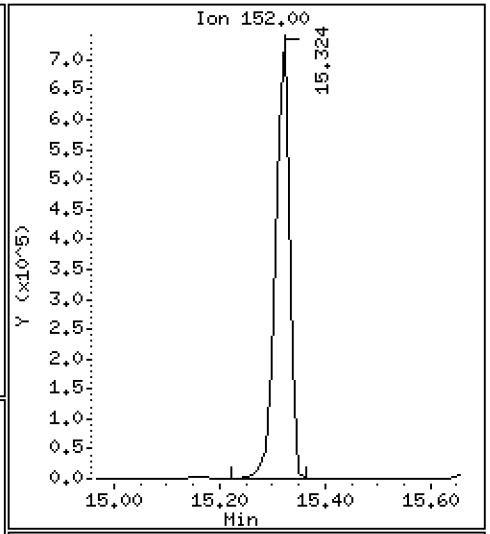
Column phase: ZB-5msi

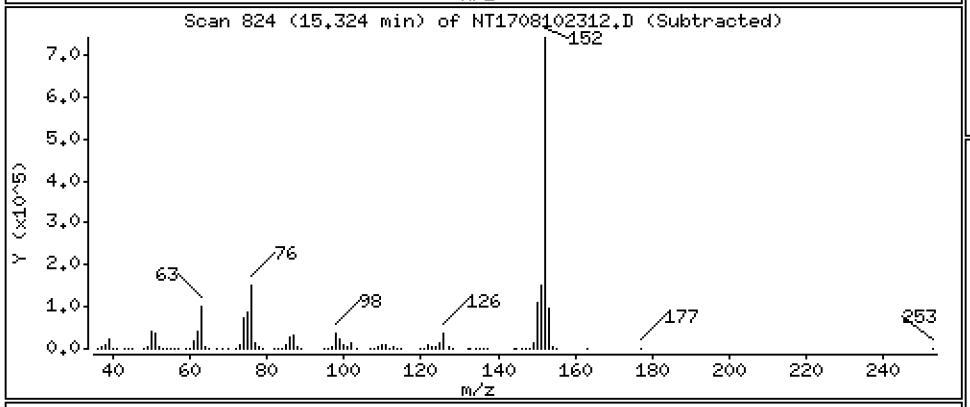
Column diameter: 0.25

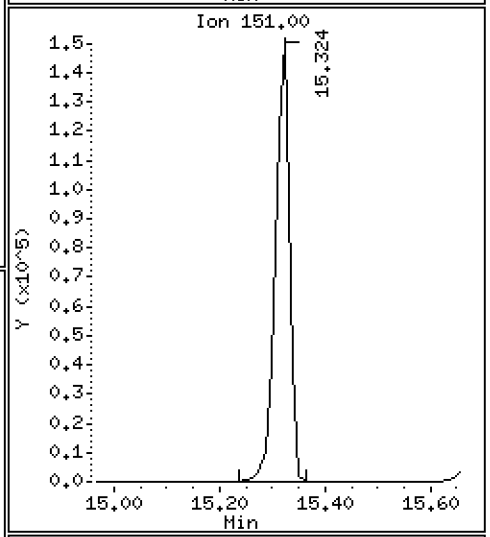
40 Acenaphthylene

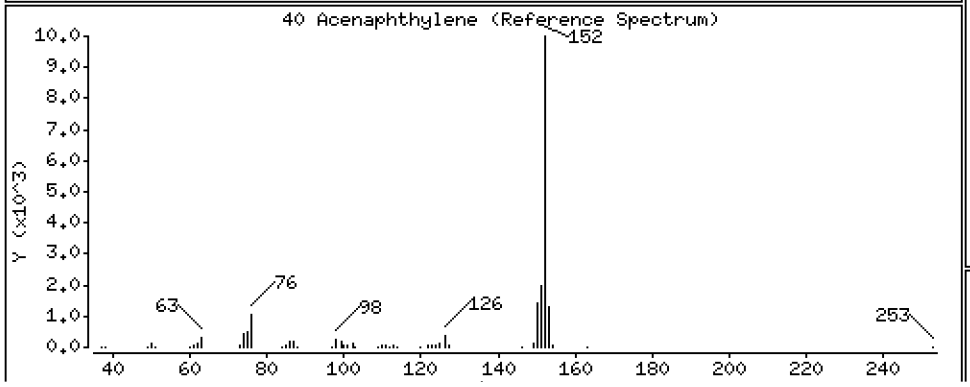
Concentration: 5.818 ug/mL

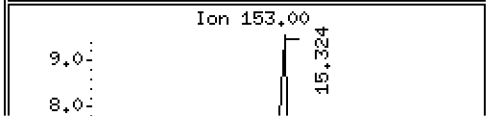












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

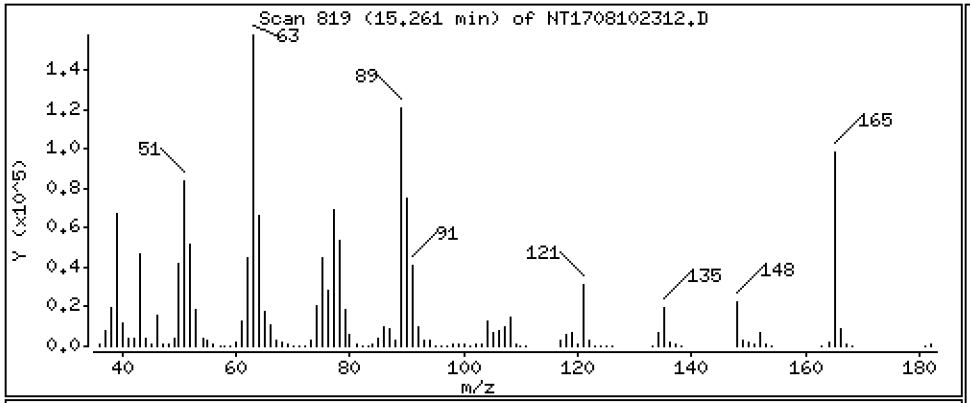
Operator: JGR

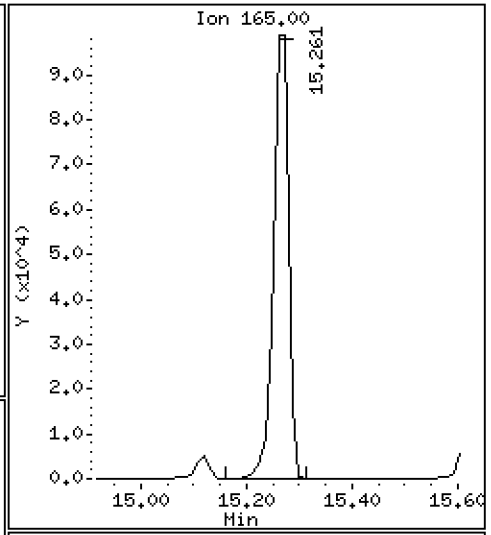
Column phase: ZB-5msi

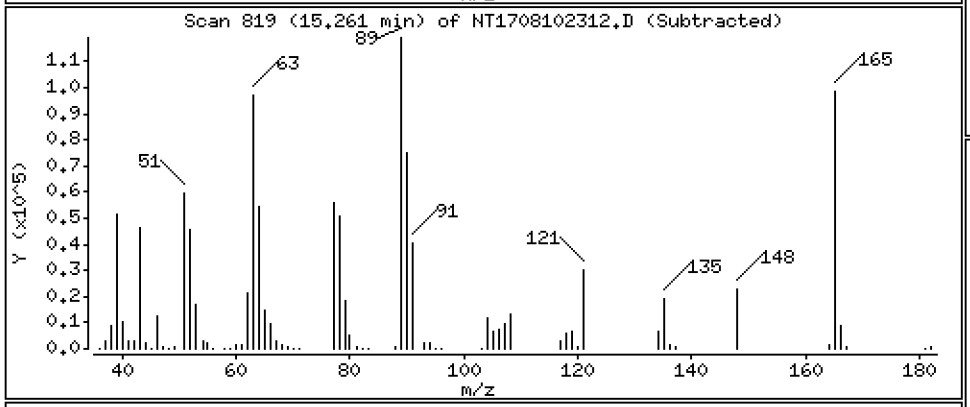
Column diameter: 0.25

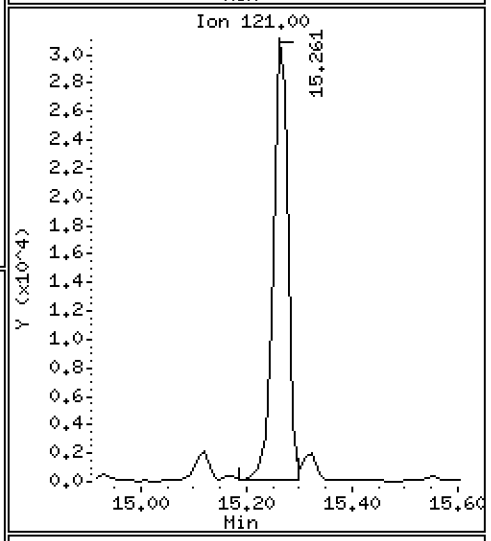
41 2,6-Dinitrotoluene

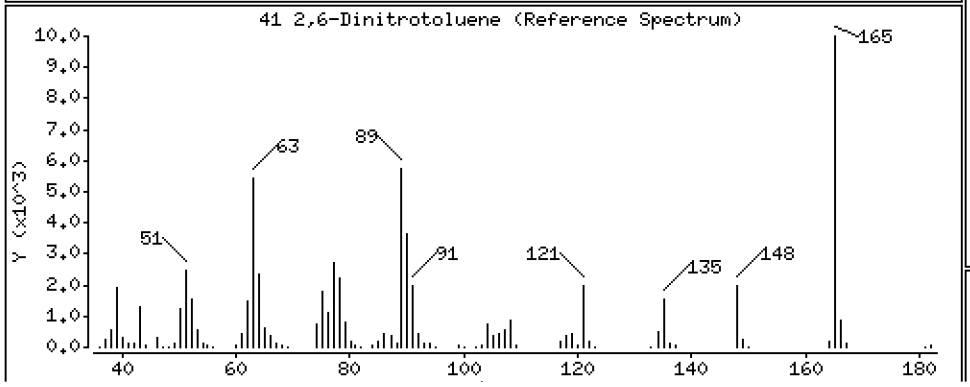
Concentration: 5.757 ug/mL

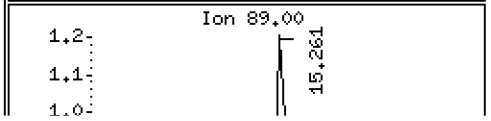












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

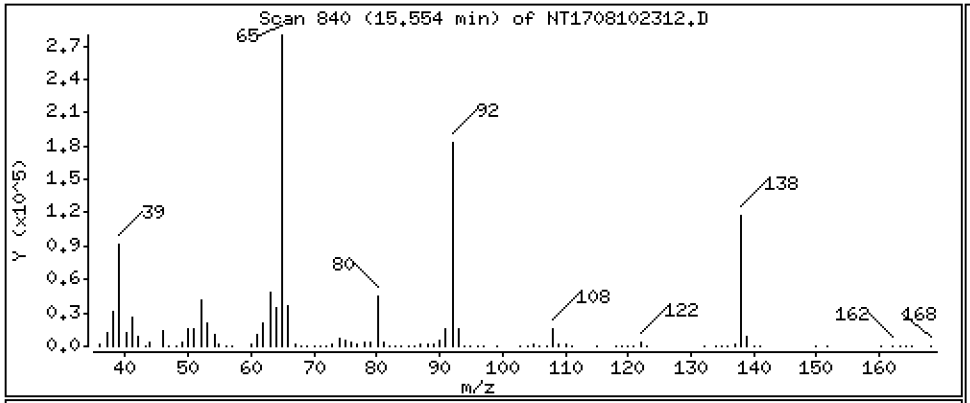
Operator: JGR

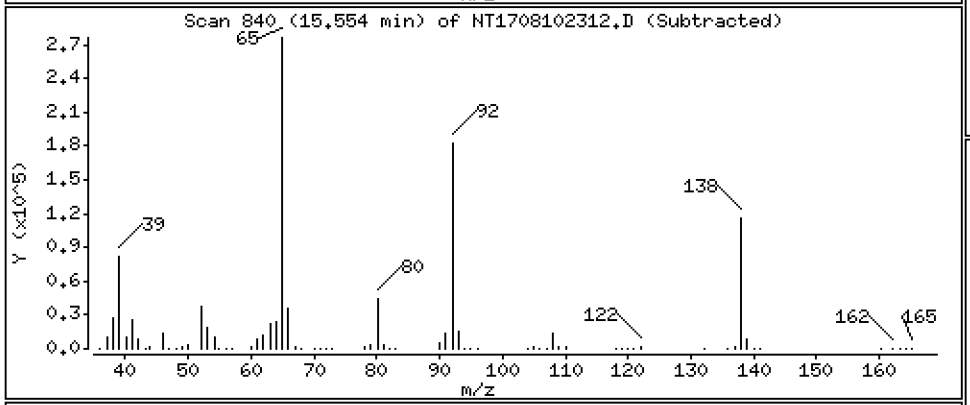
Column phase: ZB-5msi

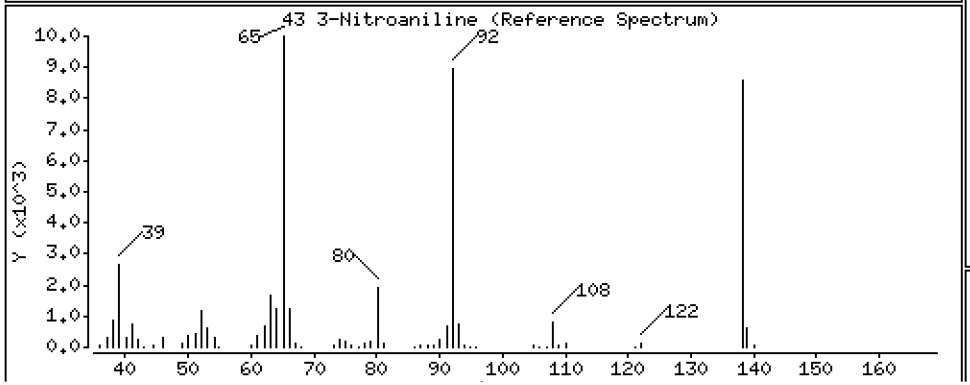
Column diameter: 0.25

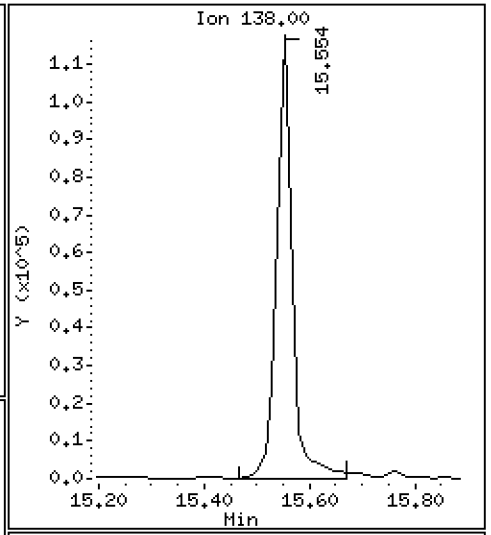
43 3-Nitroaniline

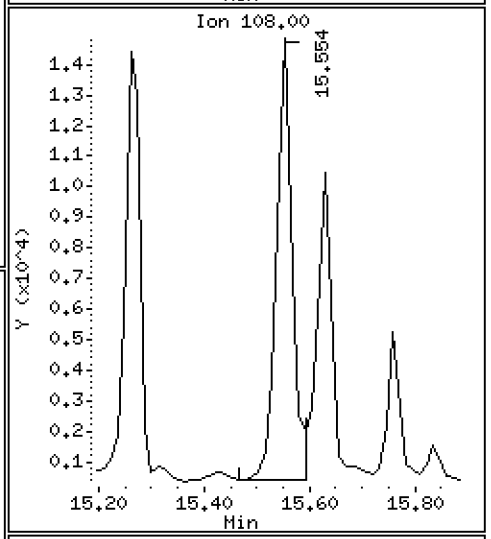
Concentration: 4.284 ug/mL

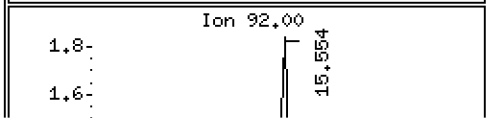












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

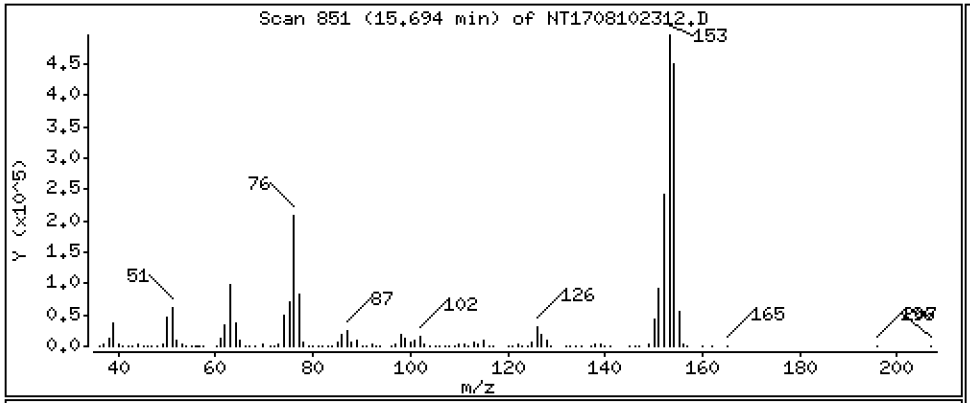
Operator: JGR

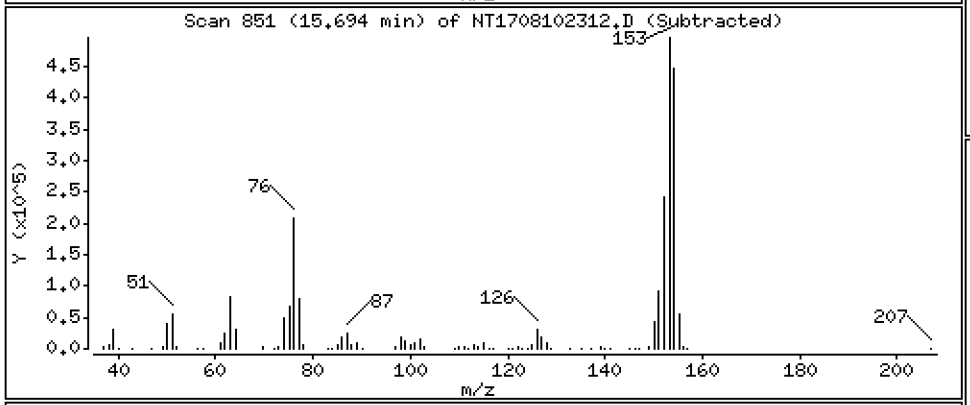
Column phase: ZB-5msi

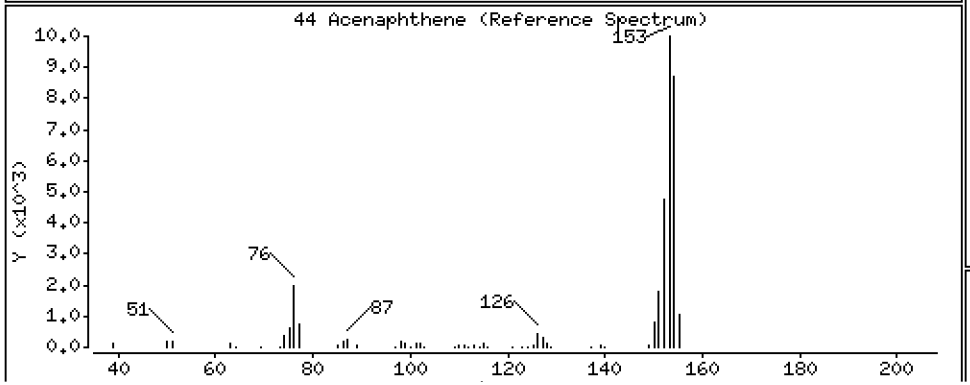
Column diameter: 0.25

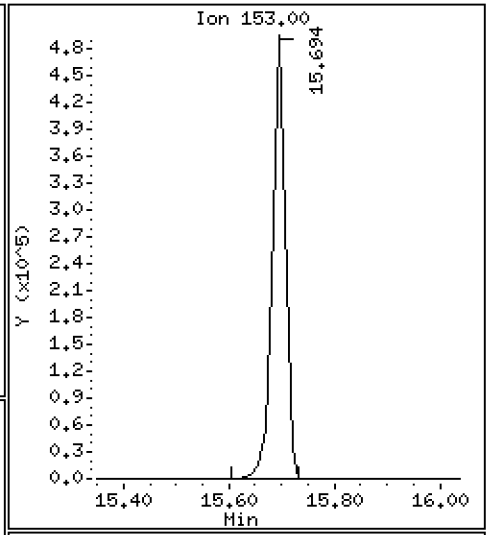
44 Acenaphthene

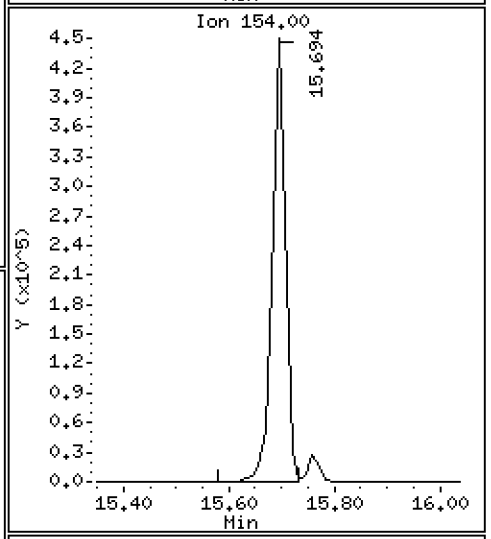
Concentration: 5.768 ug/mL

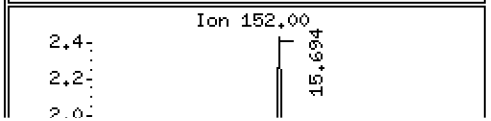












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

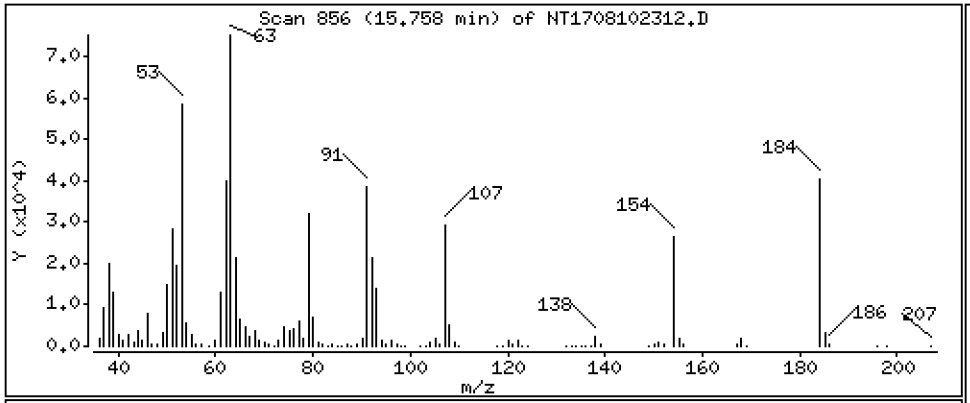
Operator: JGR

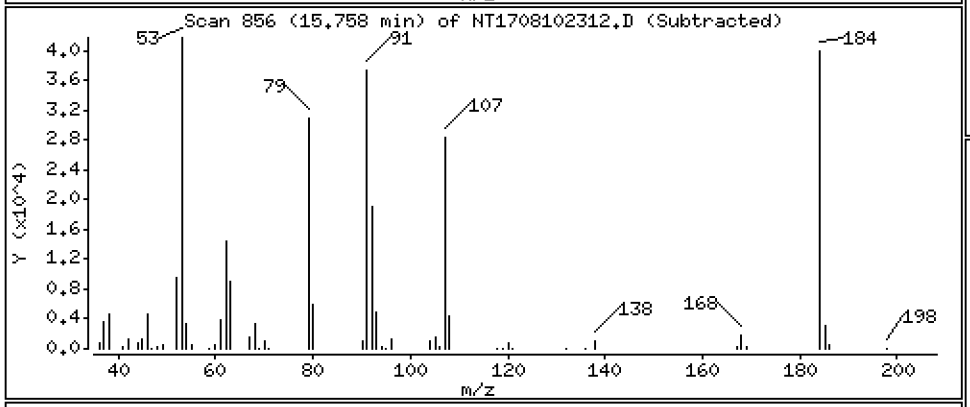
Column phase: ZB-5msi

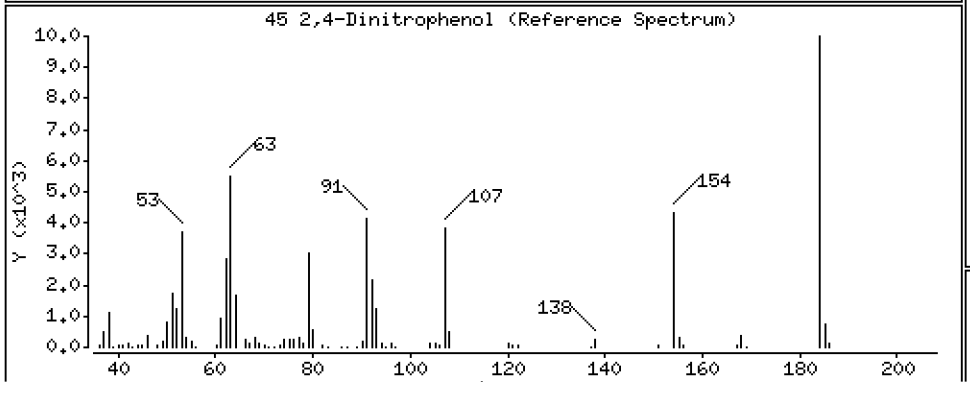
Column diameter: 0.25

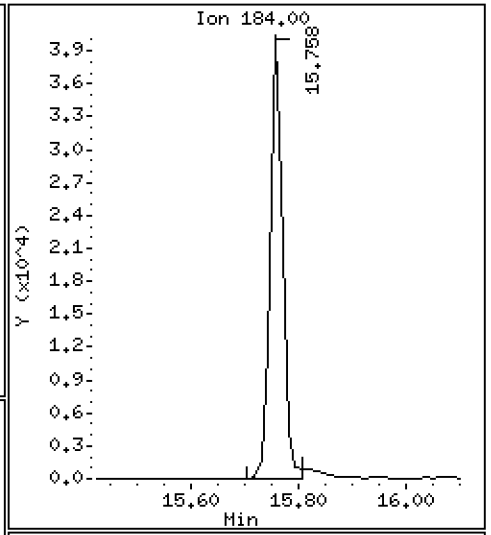
45 2,4-Dinitrophenol

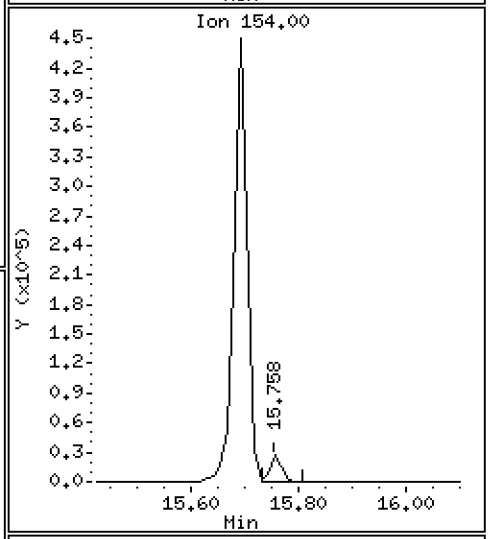
Concentration: 3.268 ug/mL

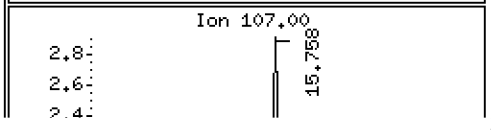












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

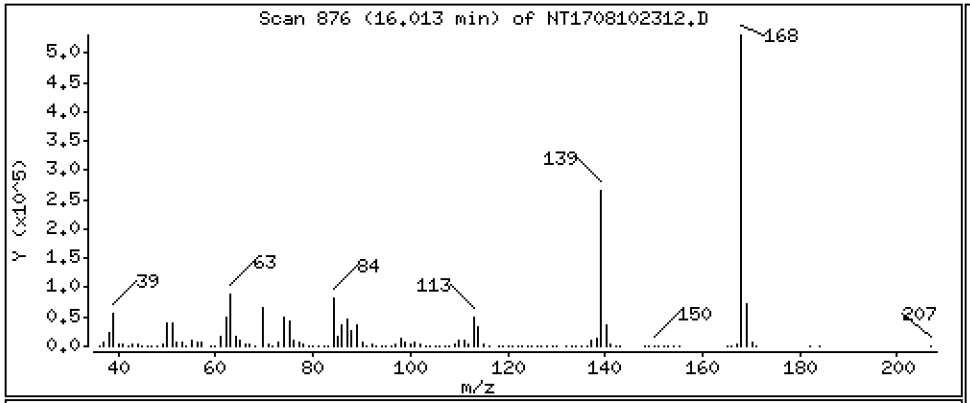
Operator: JGR

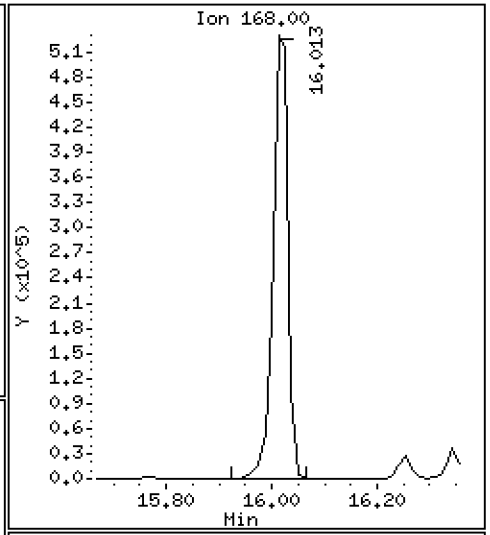
Column phase: ZB-5msi

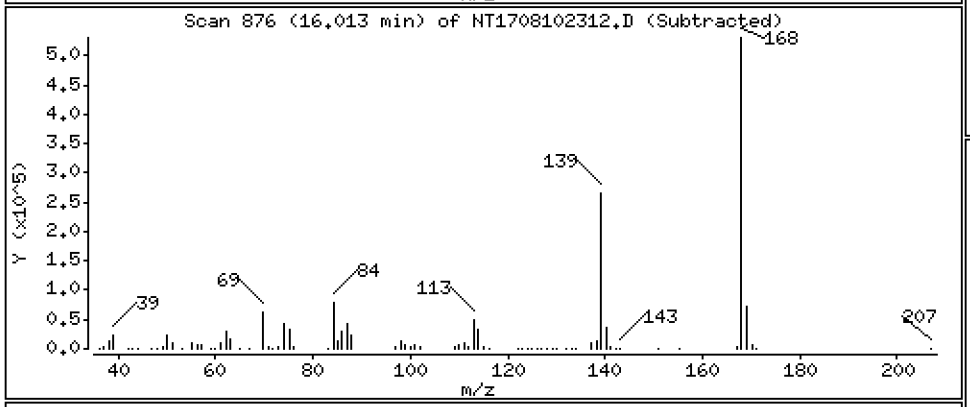
Column diameter: 0.25

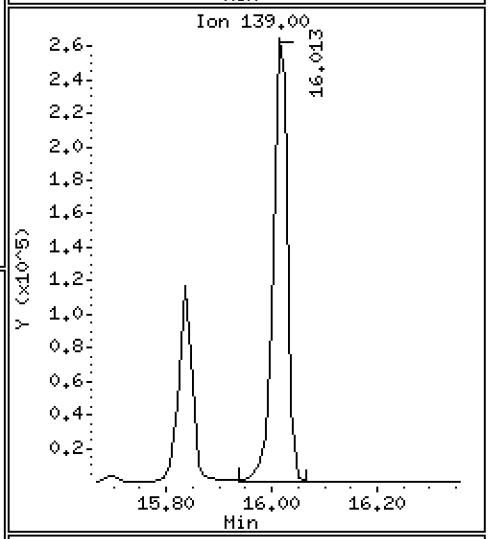
46 Dibenzofuran

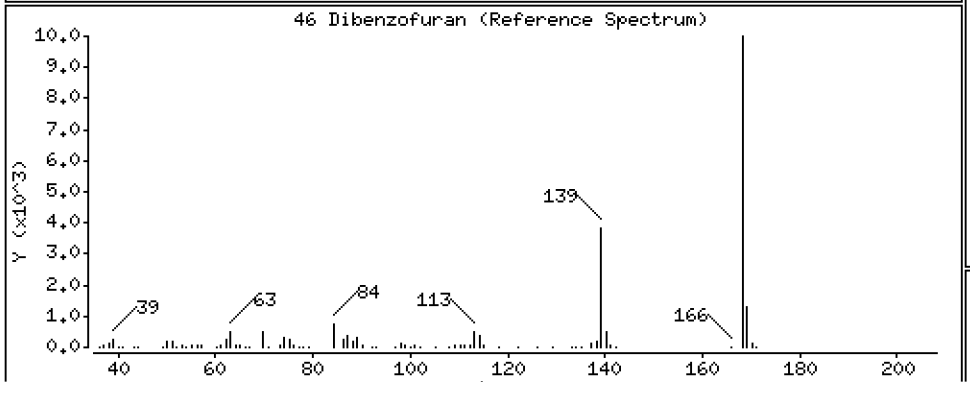
Concentration: 5.407 ug/mL

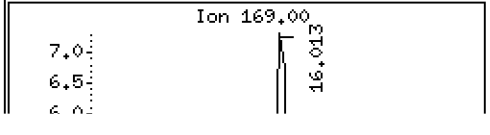












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

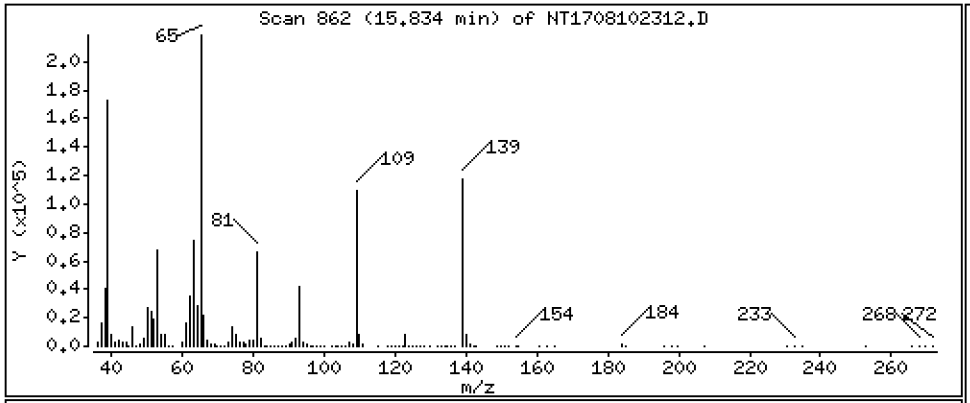
Operator: JGR

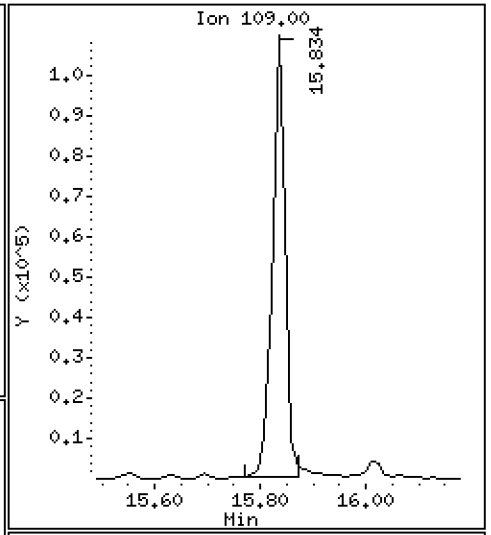
Column phase: ZB-5msi

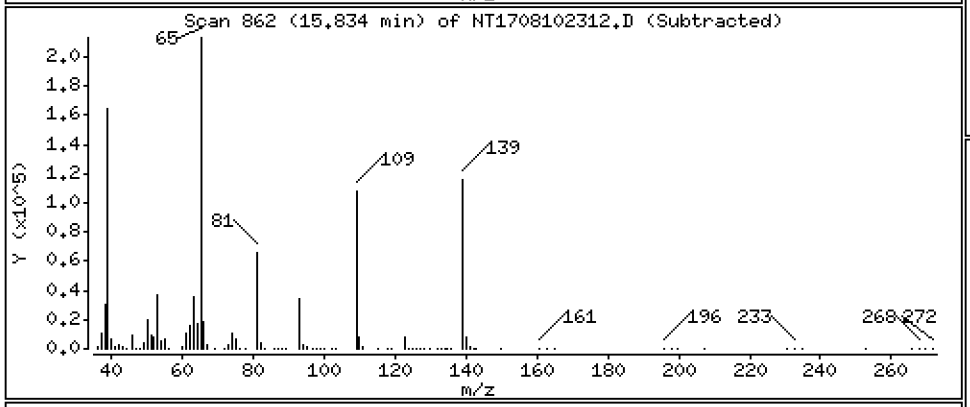
Column diameter: 0.25

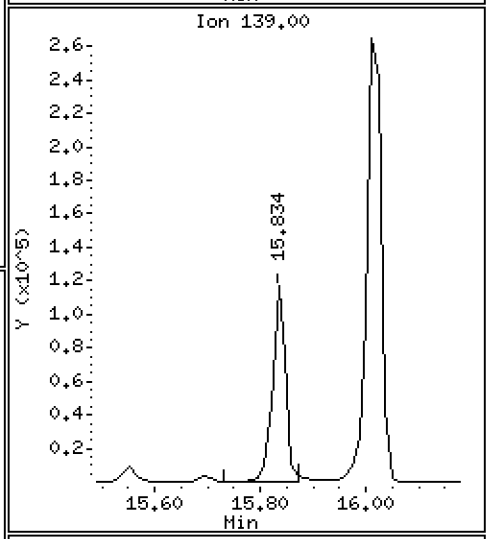
47 4-Nitrophenol

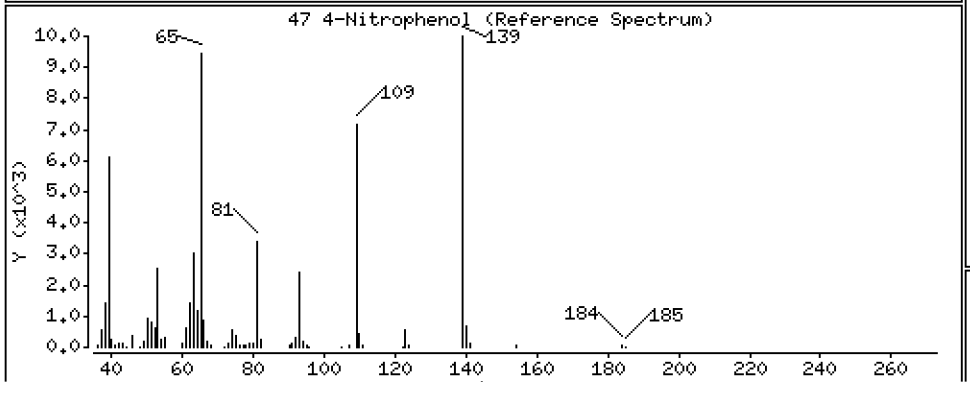
Concentration: 4.556 ug/mL











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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

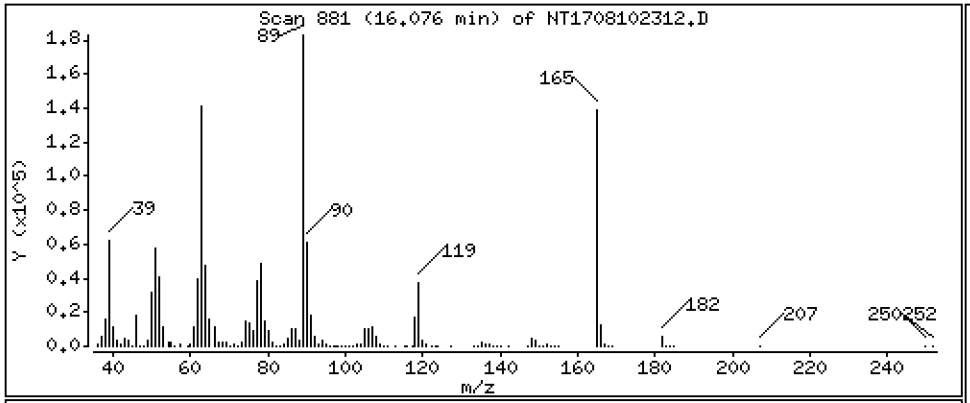
Operator: JGR

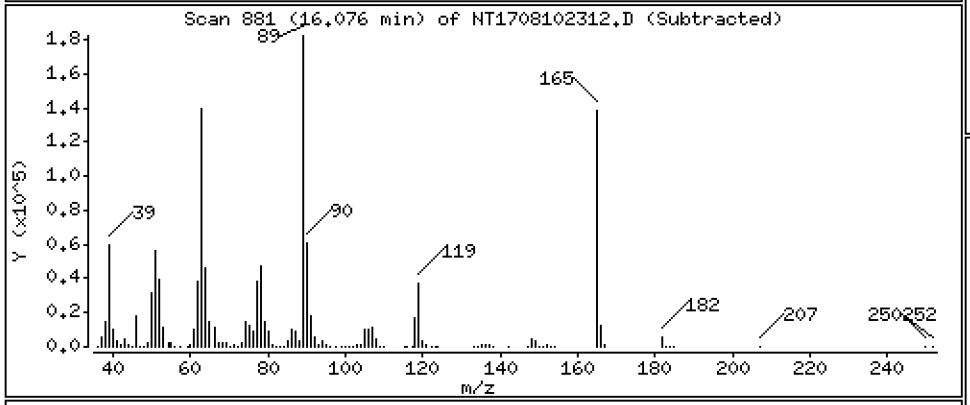
Column phase: ZB-5msi

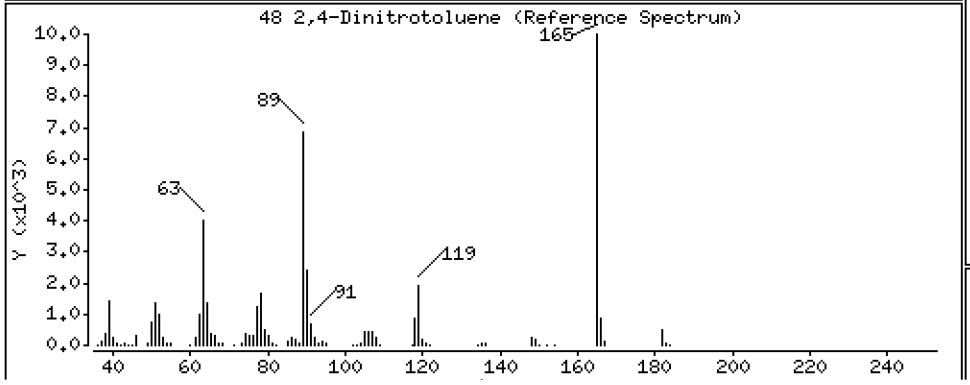
Column diameter: 0.25

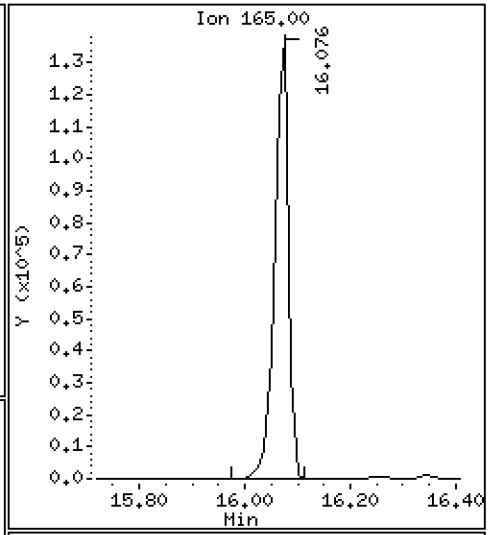
48 2,4-Dinitrotoluene

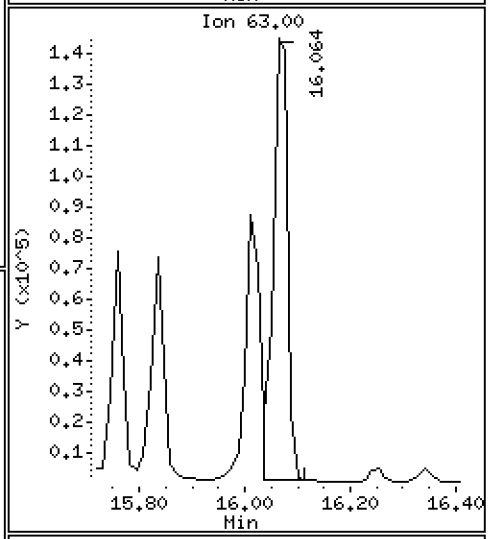
Concentration: 4.762 ug/mL

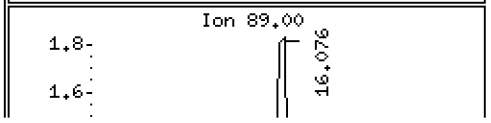












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

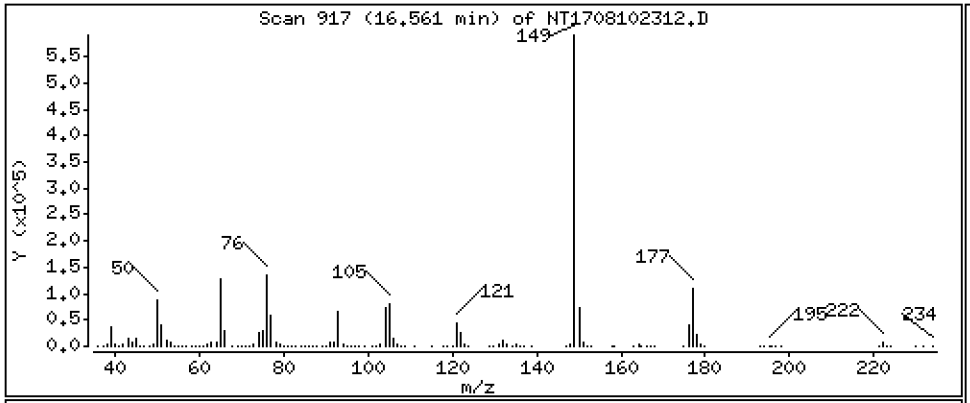
Operator: JGR

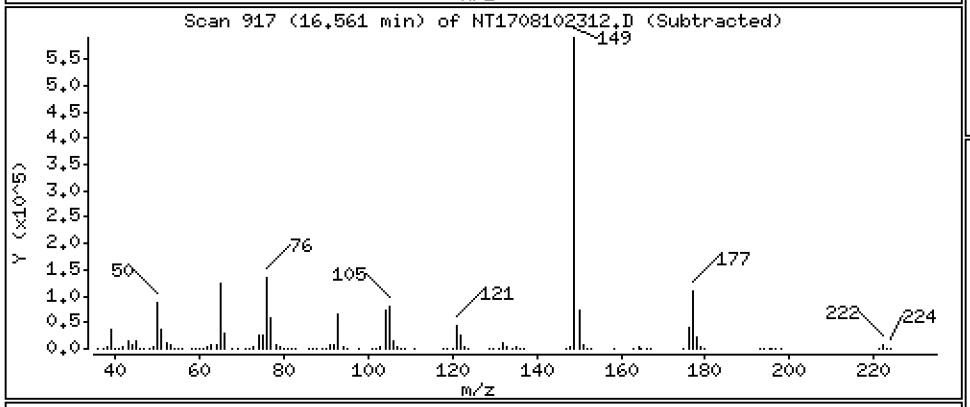
Column phase: ZB-5msi

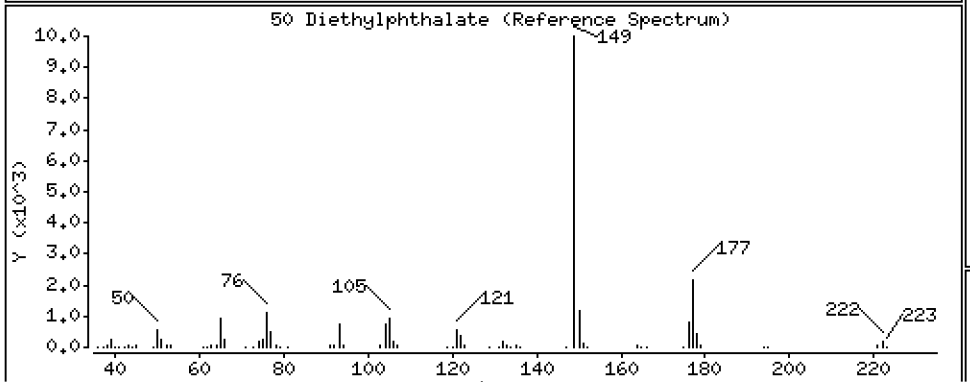
Column diameter: 0.25

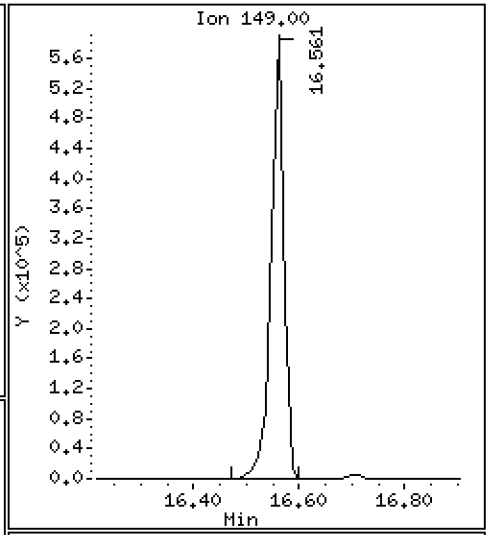
50 Diethylphthalate

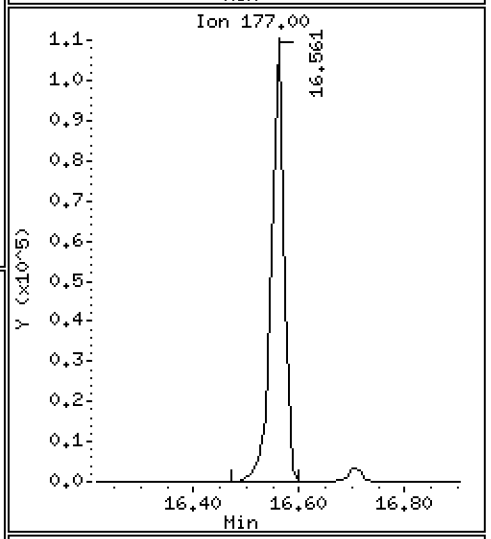
Concentration: 4.848 ug/mL

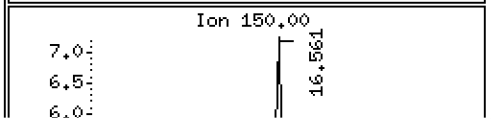












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

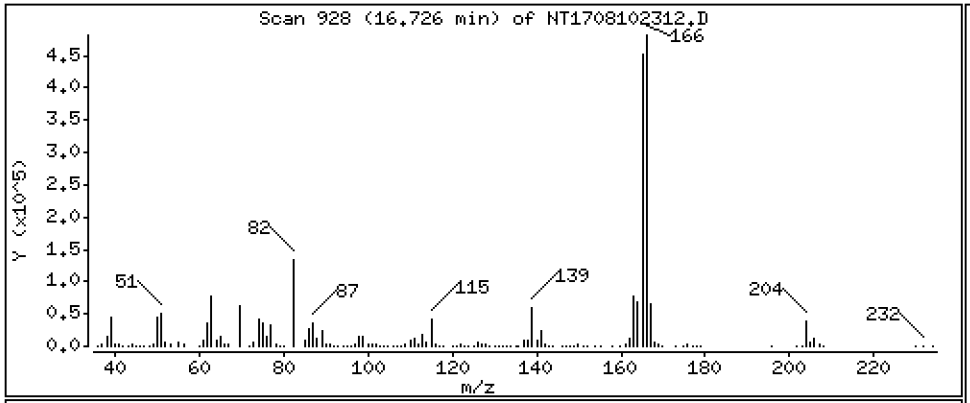
Operator: JGR

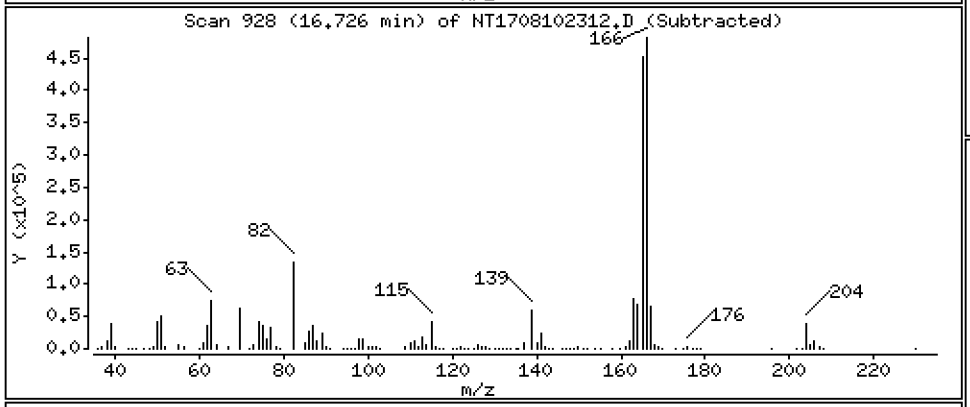
Column phase: ZB-5msi

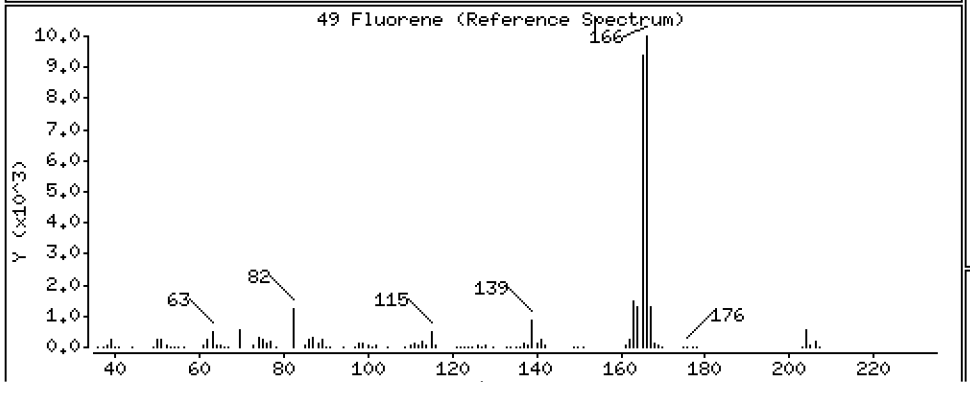
Column diameter: 0.25

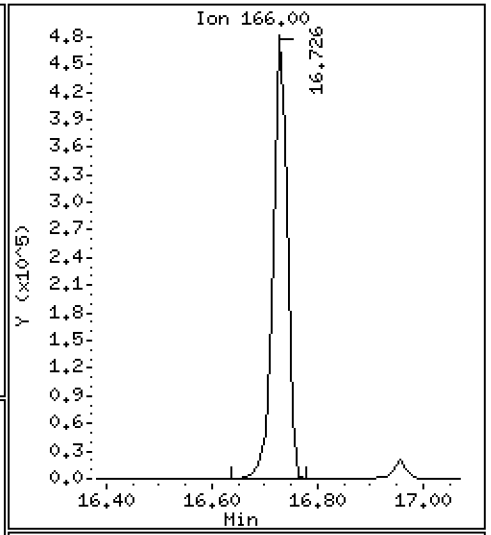
49 Fluorene

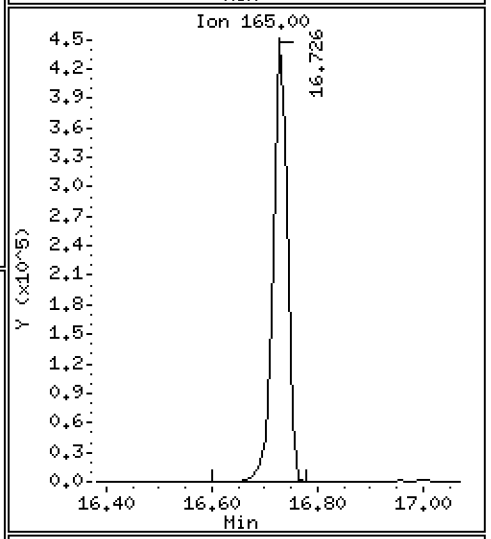
Concentration: 5.565 ug/mL

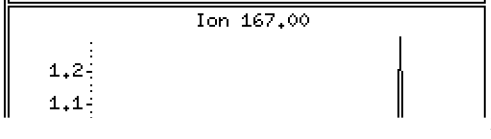












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

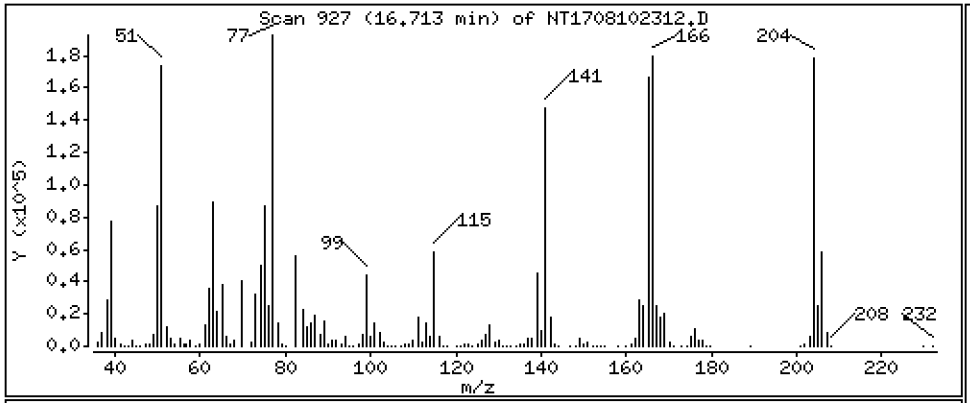
Operator: JGR

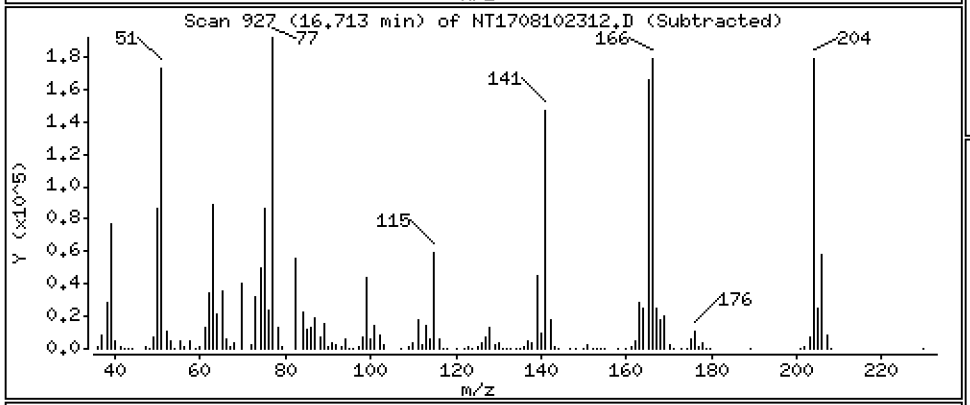
Column phase: ZB-5msi

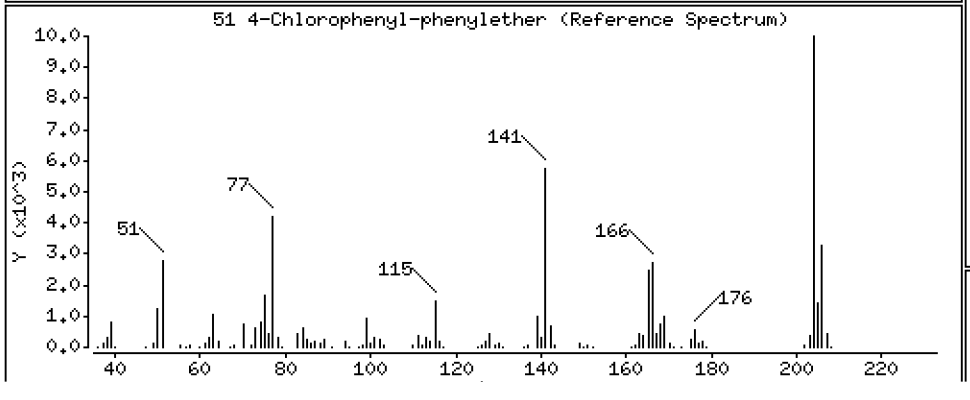
Column diameter: 0.25

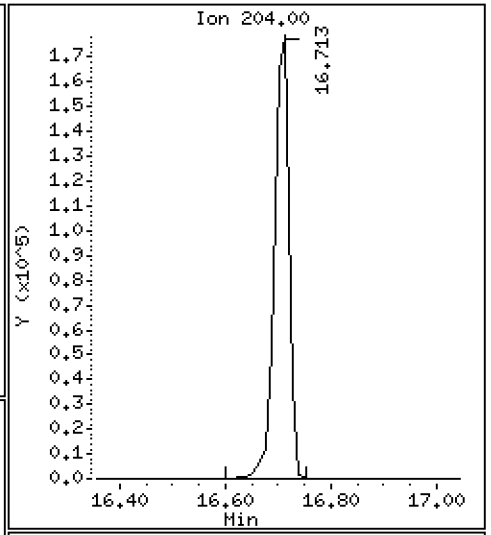
51 4-Chlorophenyl-phenylether

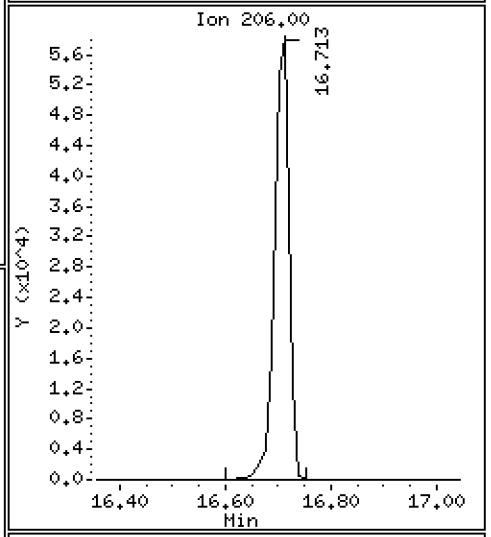
Concentration: 5.720 ug/mL

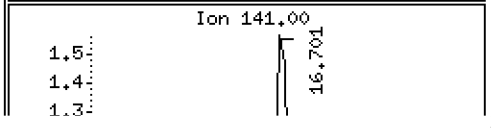












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

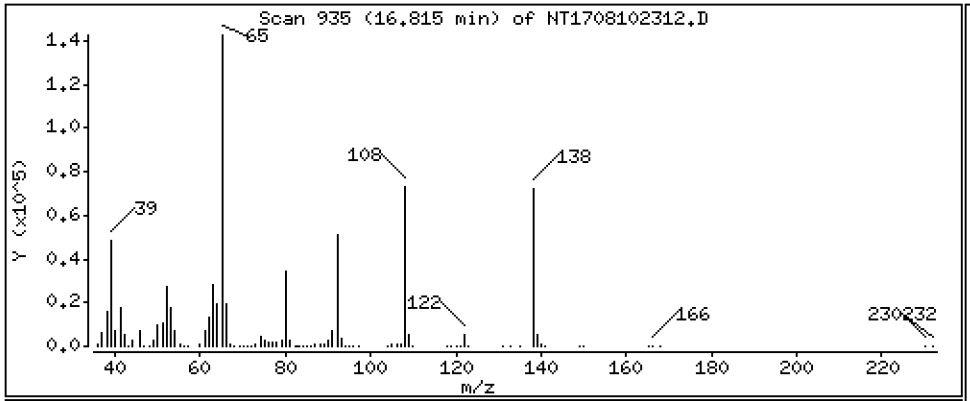
Operator: JGR

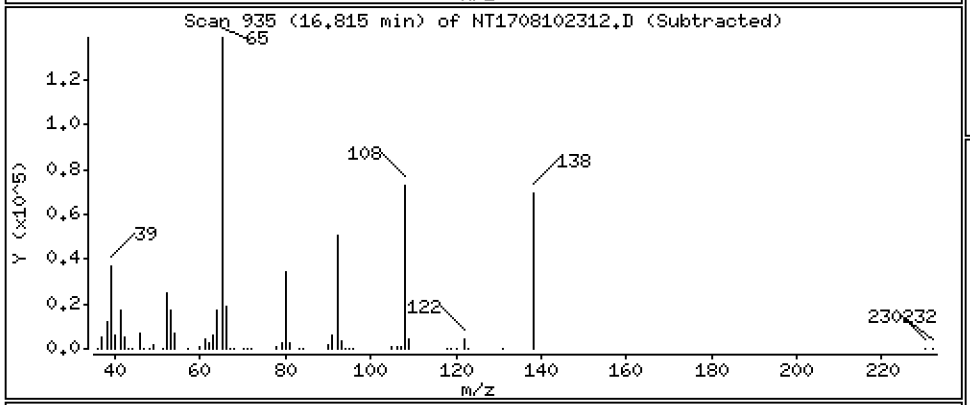
Column phase: ZB-5msi

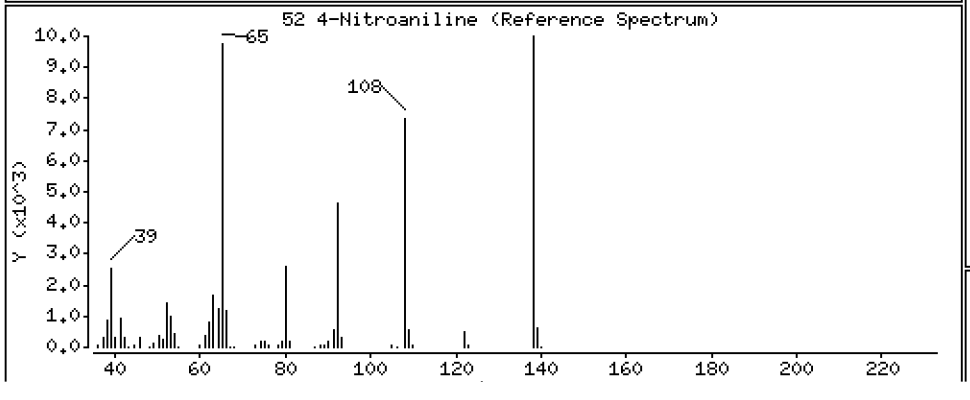
Column diameter: 0.25

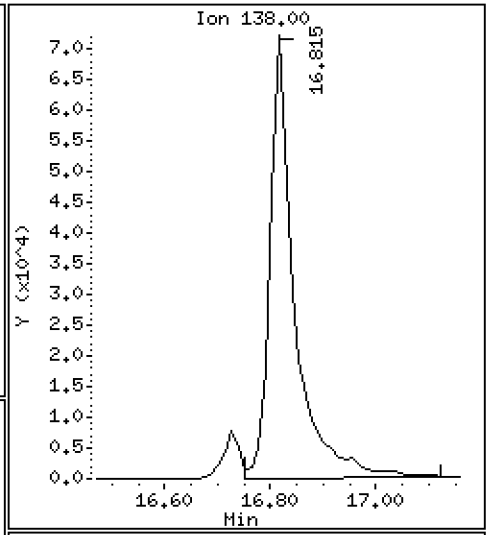
52 4-Nitroaniline

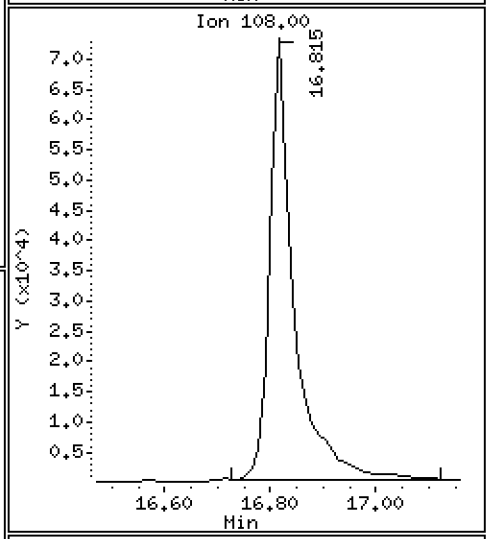
Concentration: 5.127 ug/mL

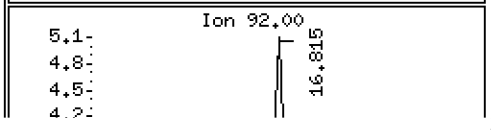












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

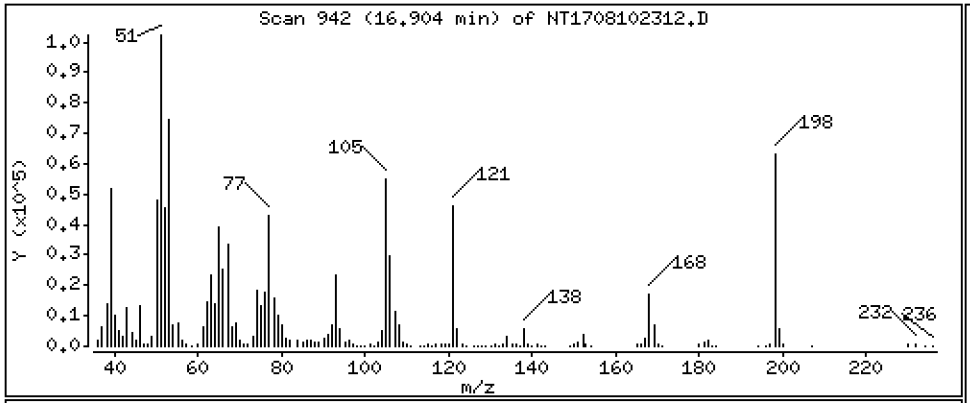
Operator: JGR

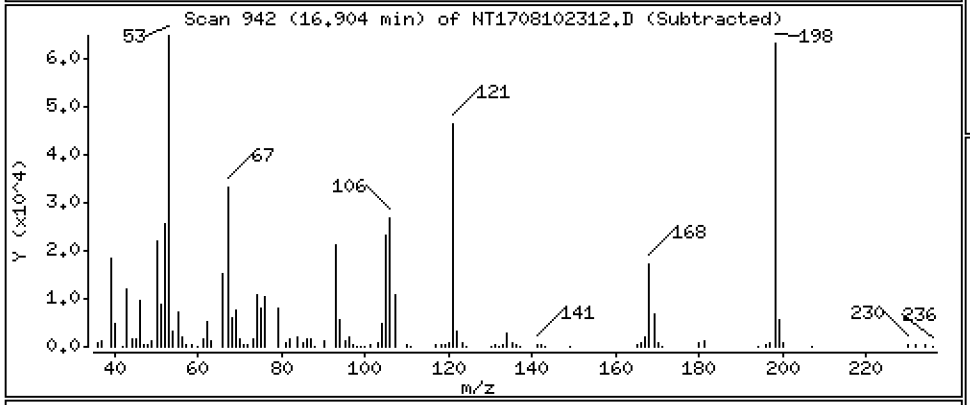
Column phase: ZB-5msi

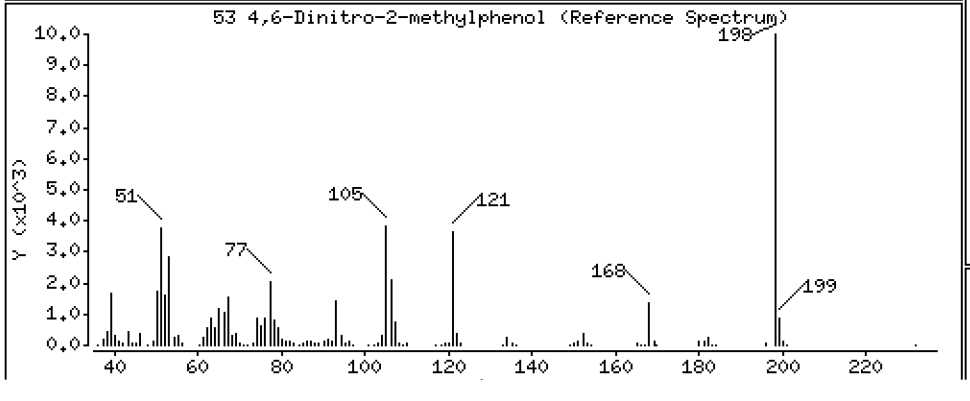
Column diameter: 0.25

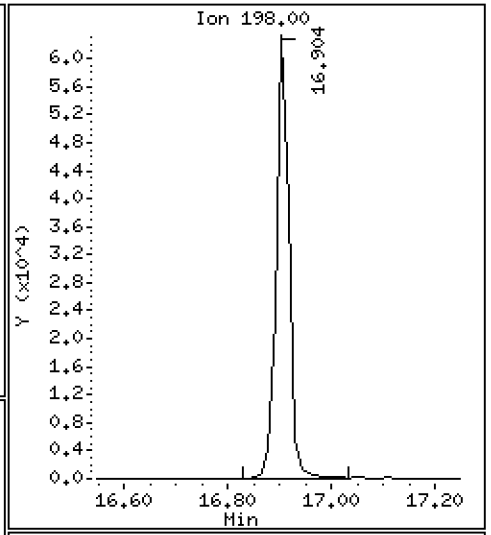
53 4,6-Dinitro-2-methylphenol

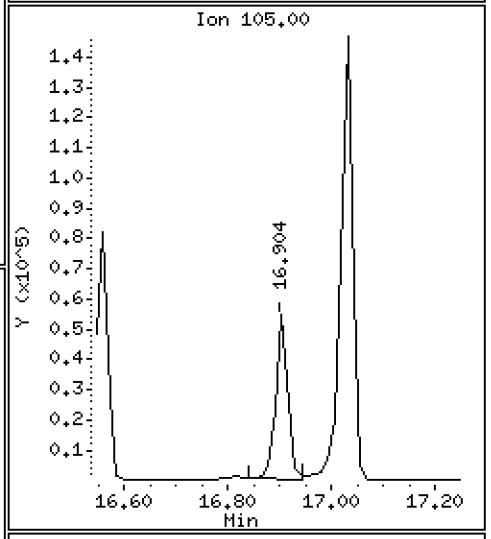
Concentration: 3.719 ug/mL

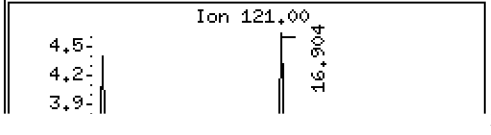












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

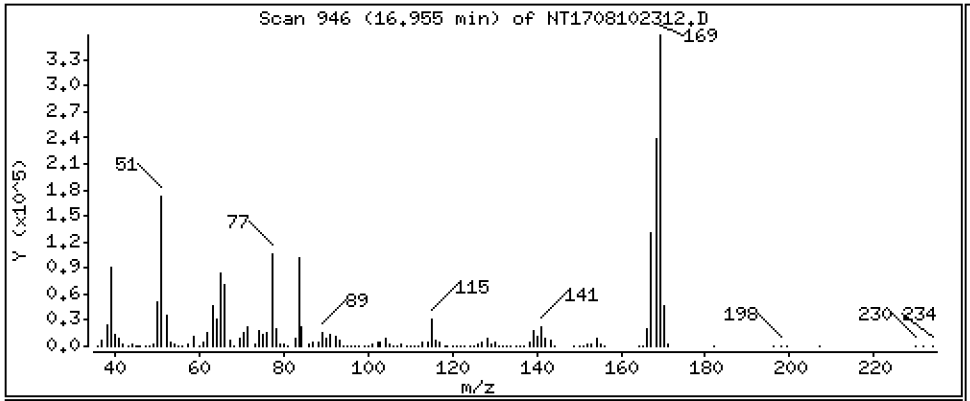
Operator: JGR

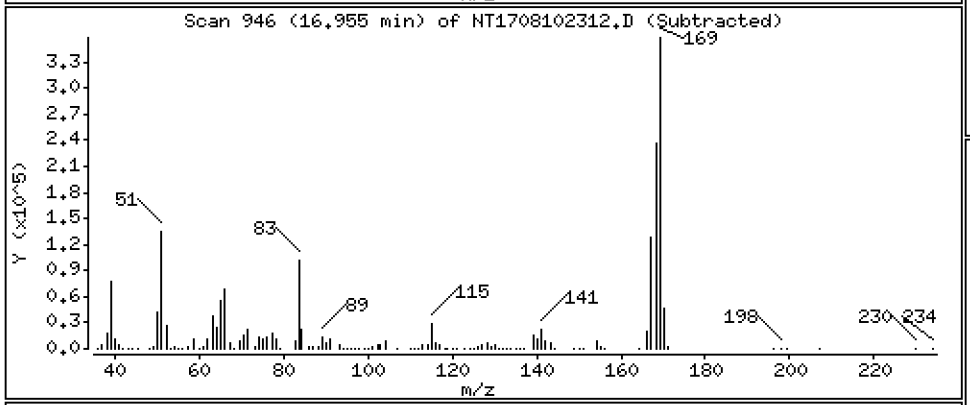
Column phase: ZB-5msi

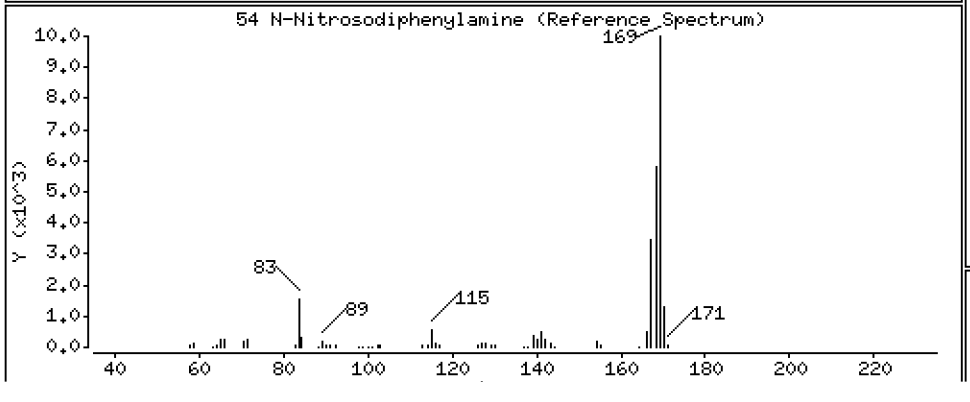
Column diameter: 0.25

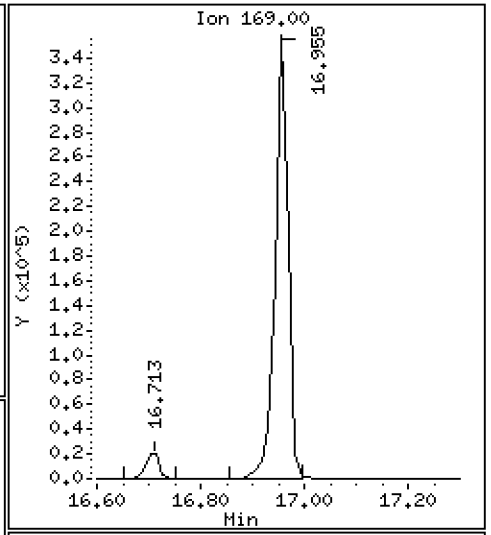
54 N-Nitrosodiphenylamine

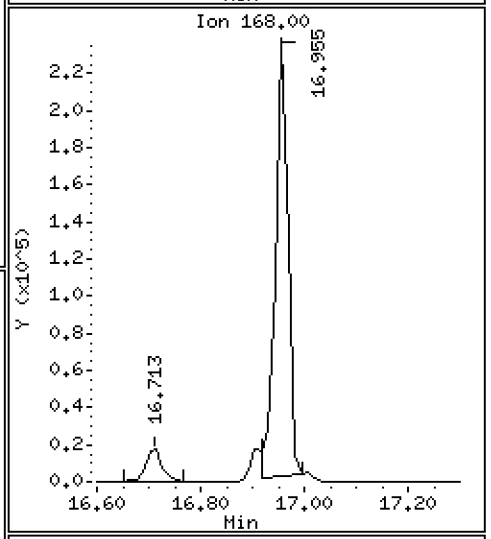
Concentration: 5.252 ug/mL

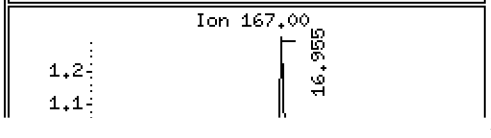












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

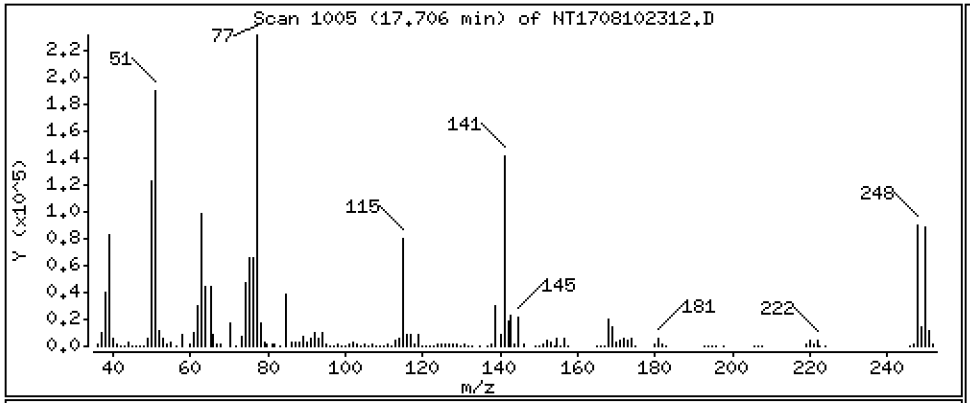
Operator: JGR

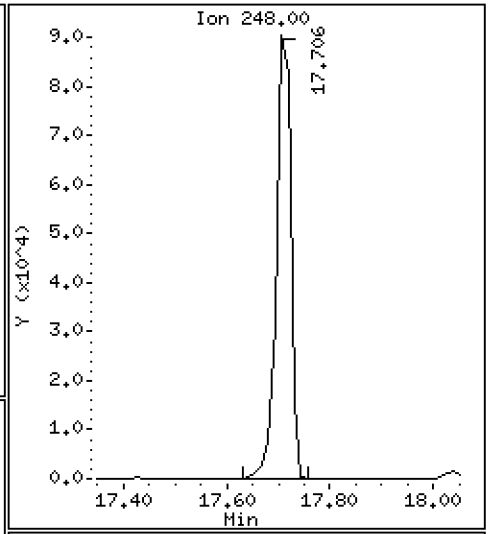
Column phase: ZB-5msi

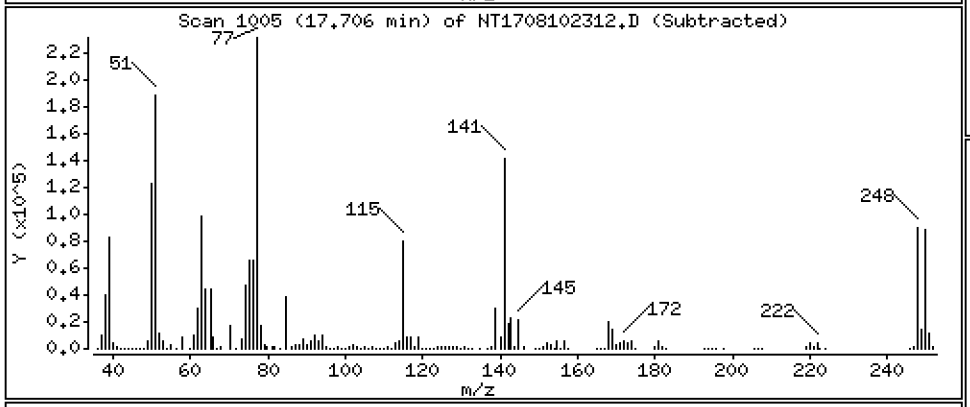
Column diameter: 0.25

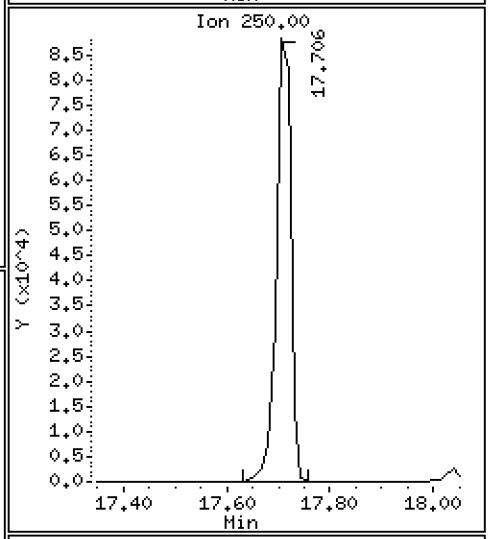
56 4-Bromophenyl-phenylether

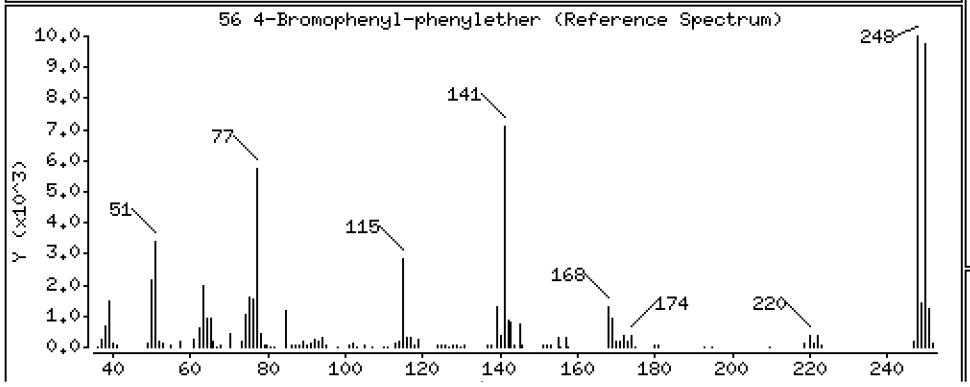
Concentration: 5.566 ug/mL

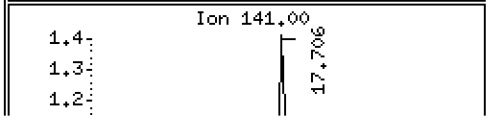












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

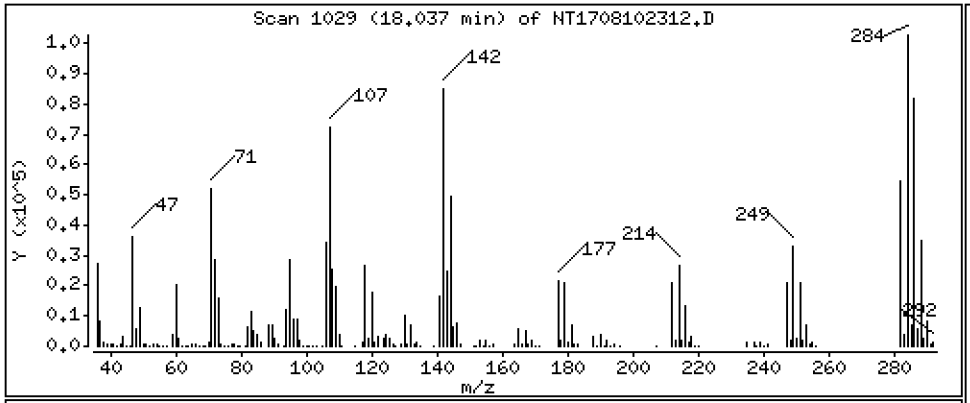
Operator: JGR

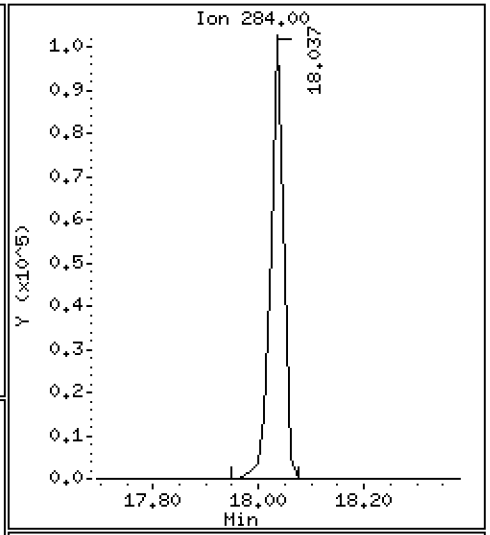
Column phase: ZB-5msi

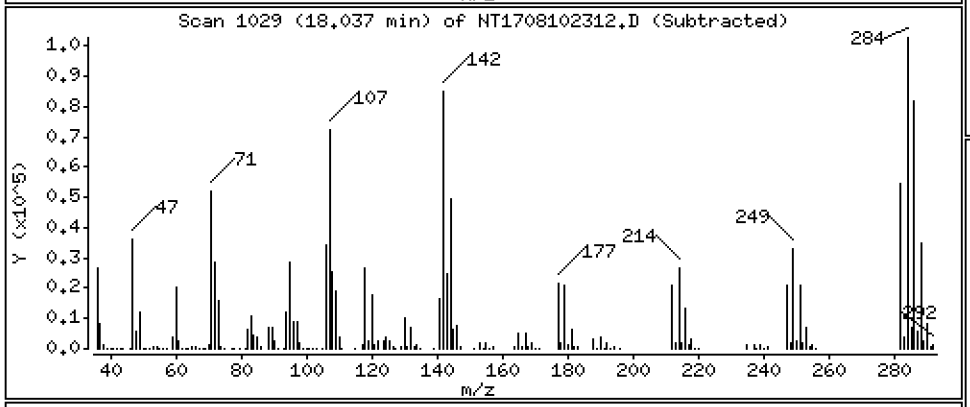
Column diameter: 0.25

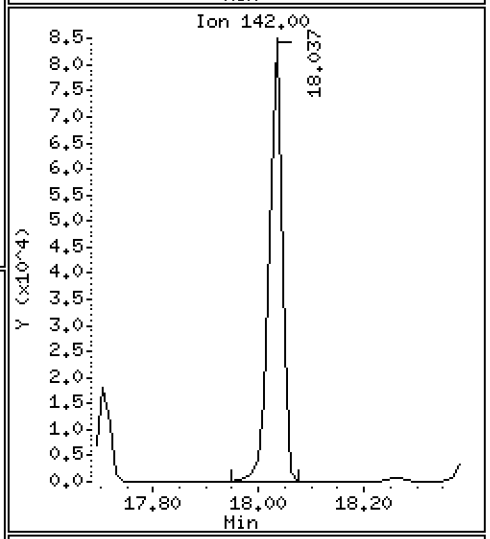
57 Hexachlorobenzene

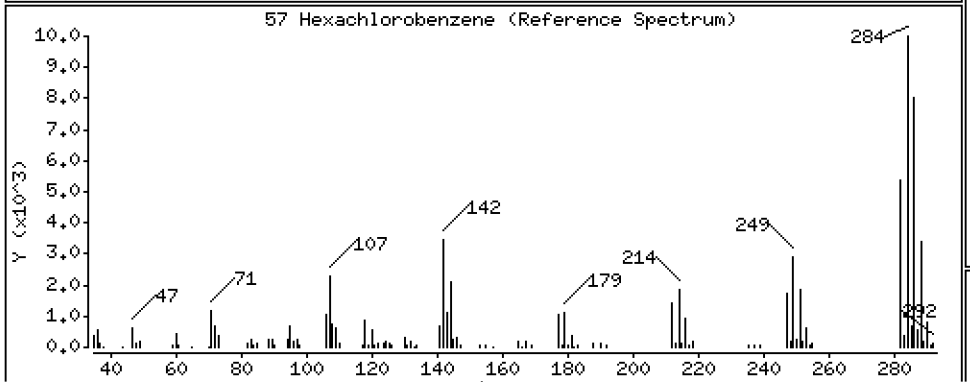
Concentration: 4.986 ug/mL

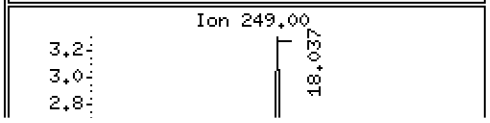












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

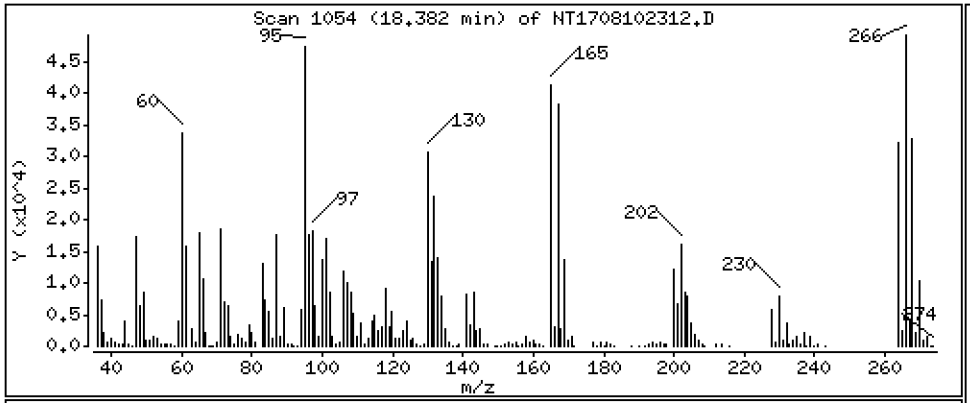
Operator: JGR

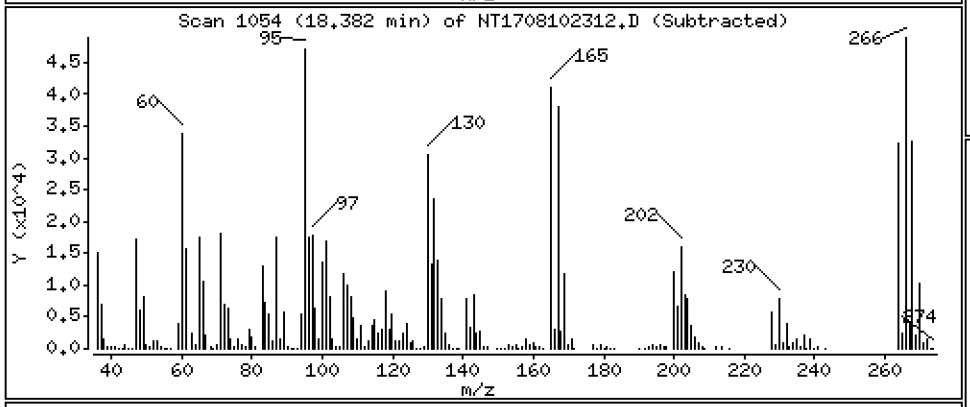
Column phase: ZB-5msi

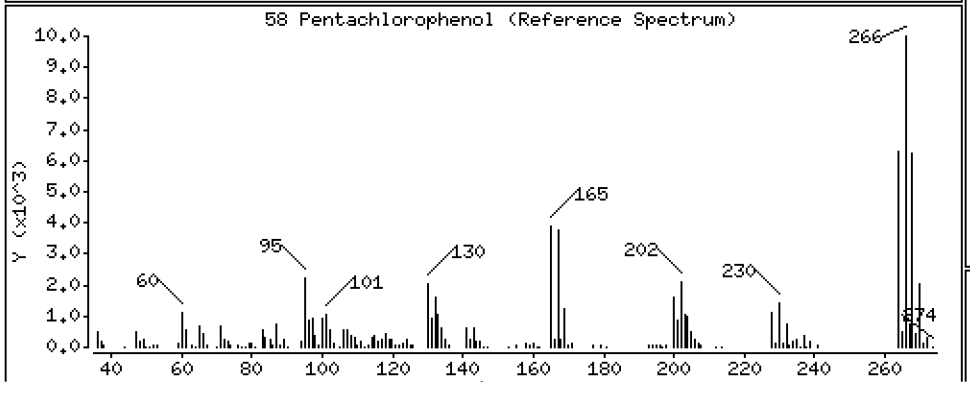
Column diameter: 0.25

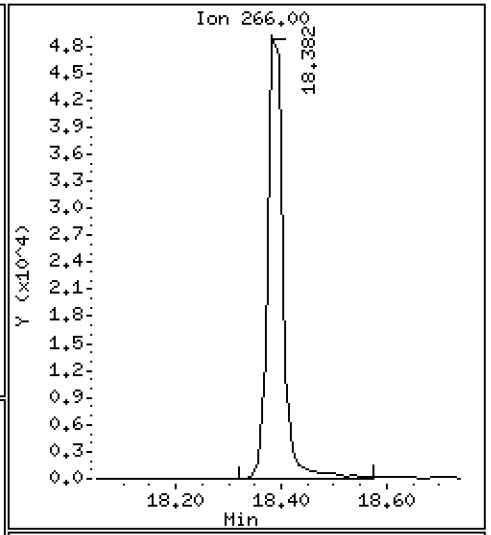
58 Pentachlorophenol

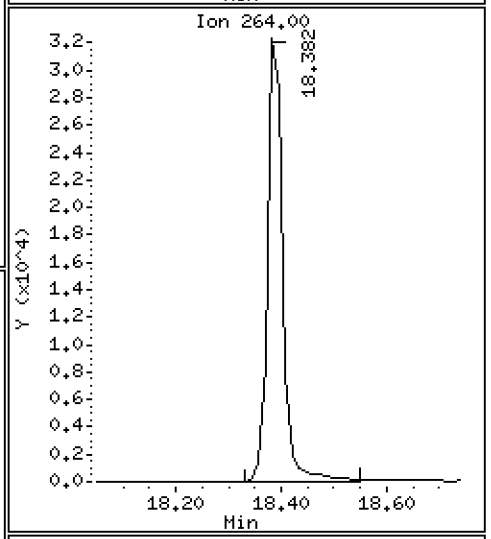
Concentration: 4.903 ug/mL

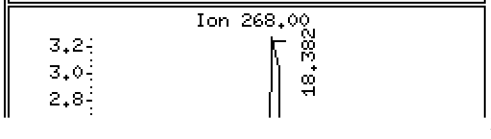












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

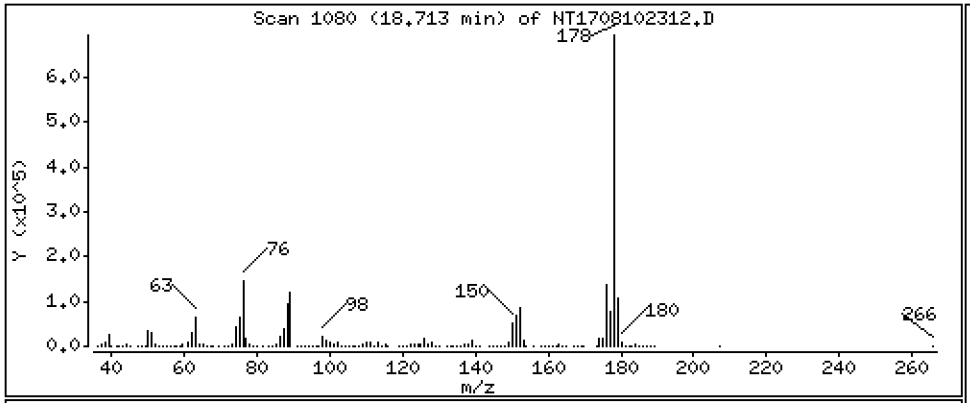
Operator: JGR

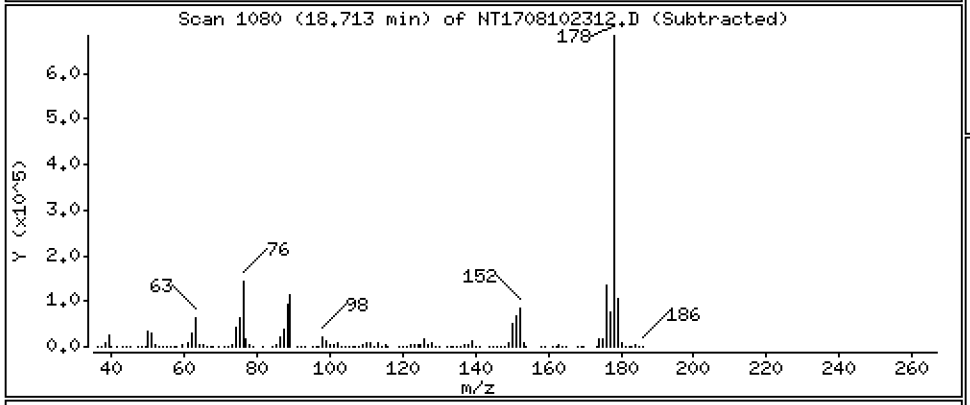
Column phase: ZB-5msi

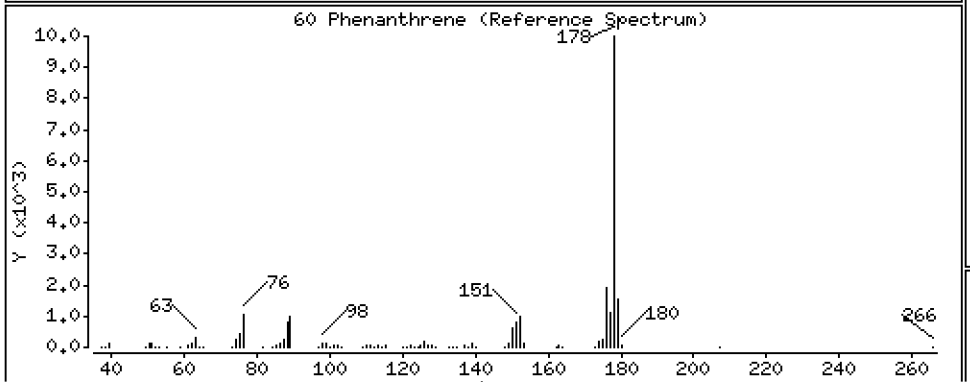
Column diameter: 0.25

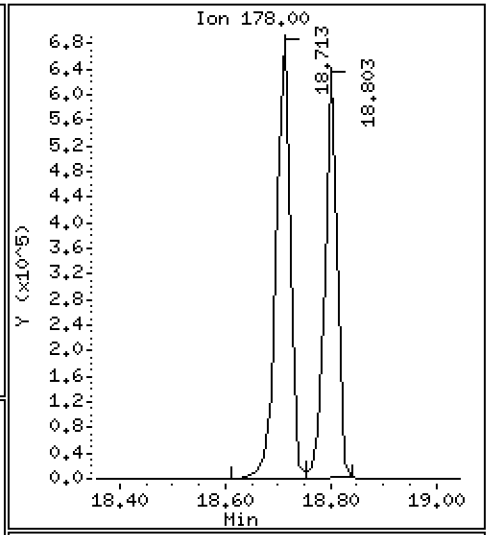
60 Phenanthrene

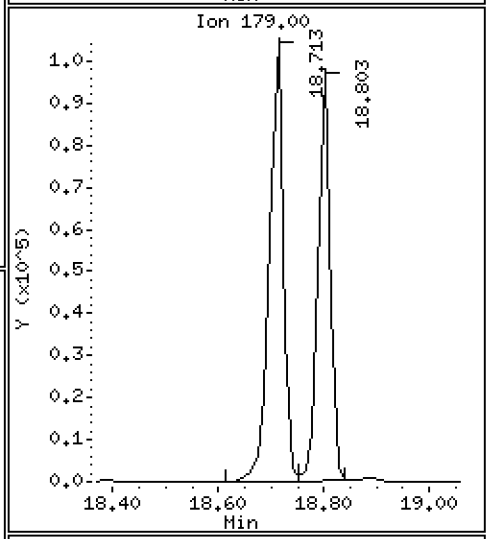
Concentration: 5.484 ug/mL

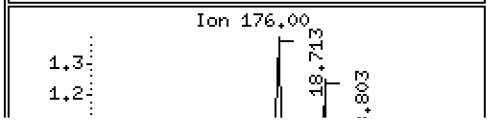












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

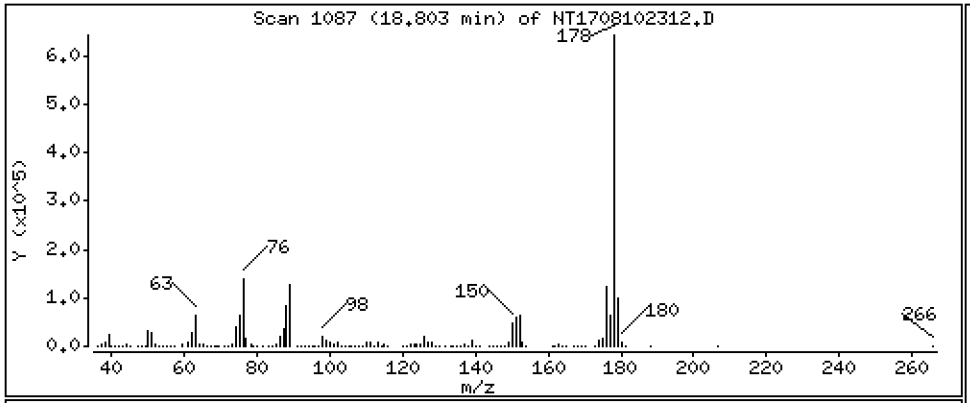
Operator: JGR

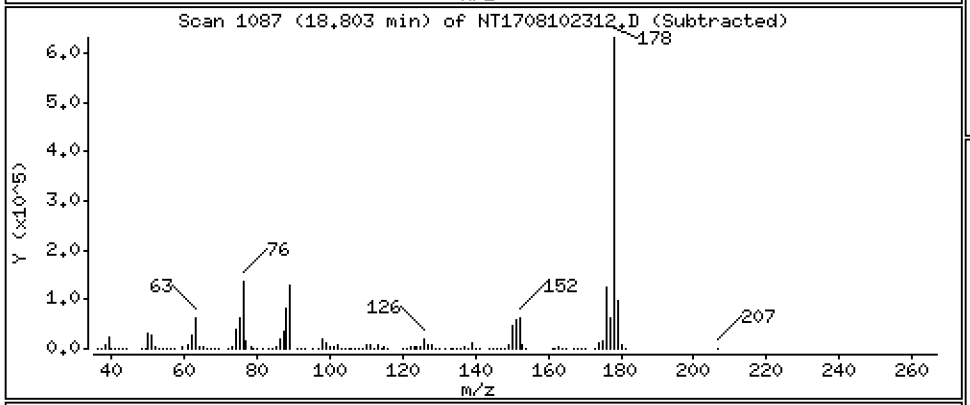
Column phase: ZB-5msi

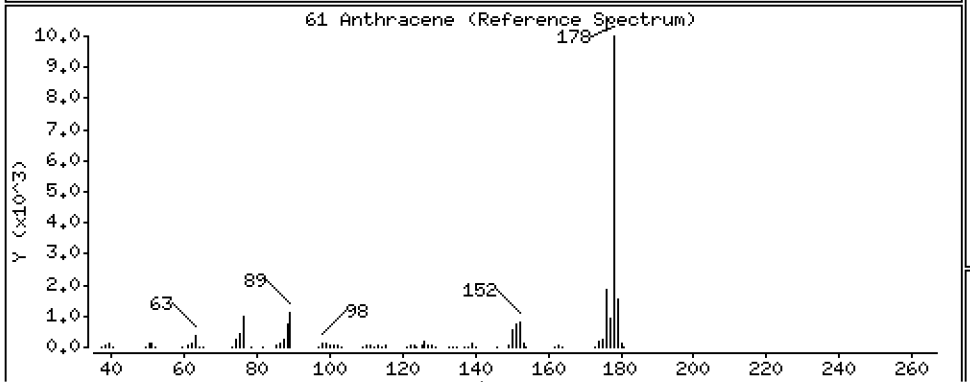
Column diameter: 0.25

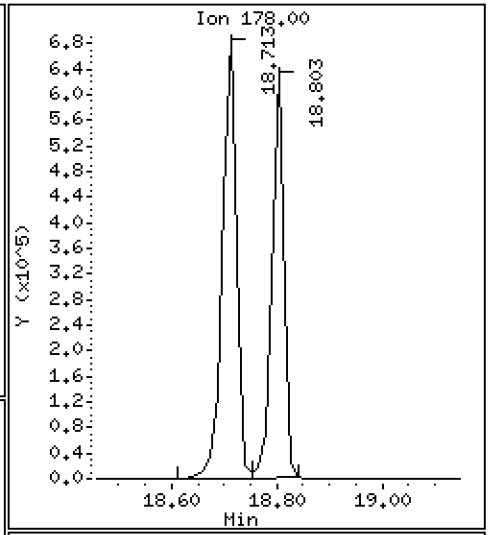
61 Anthracene

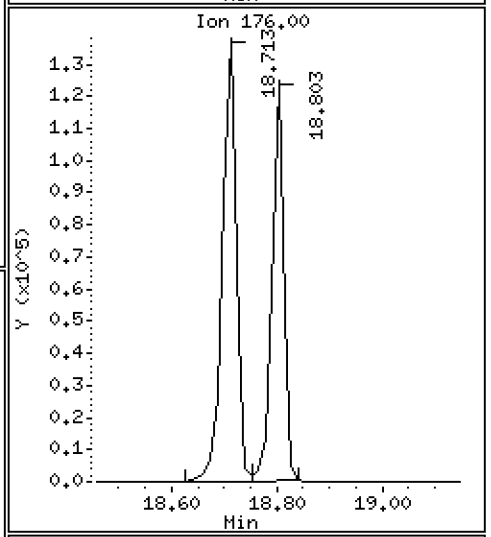
Concentration: 5.192 ug/mL

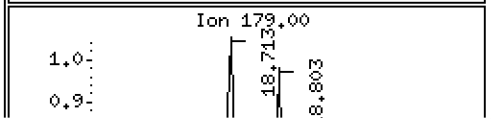












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

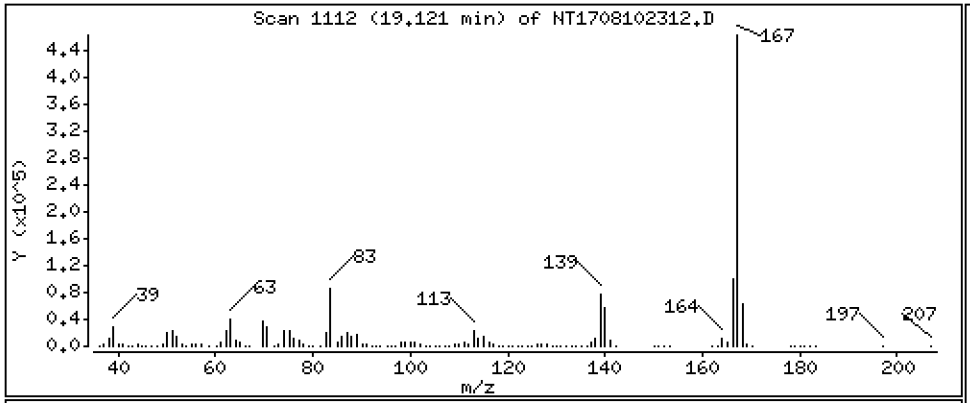
Operator: JGR

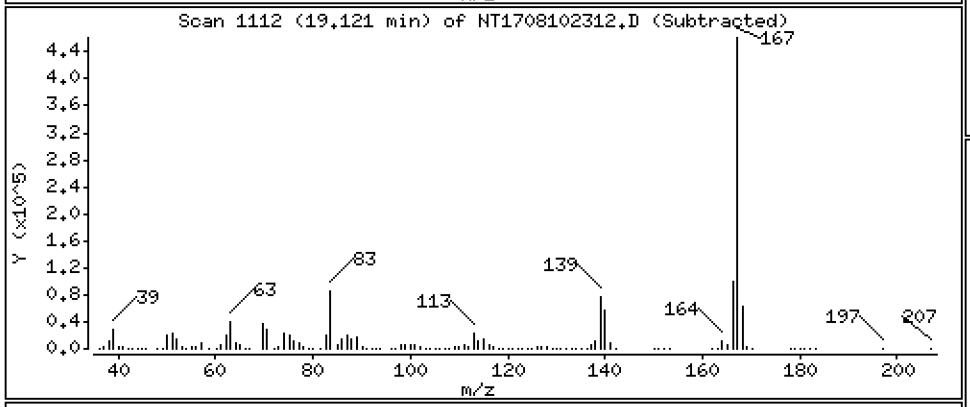
Column phase: ZB-5msi

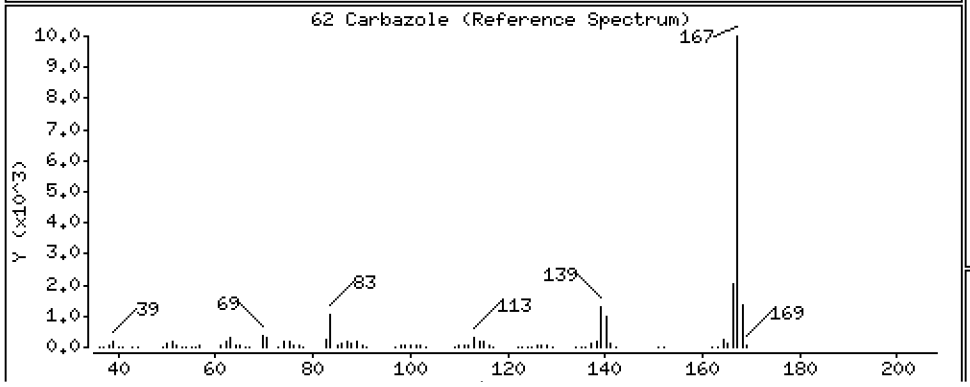
Column diameter: 0.25

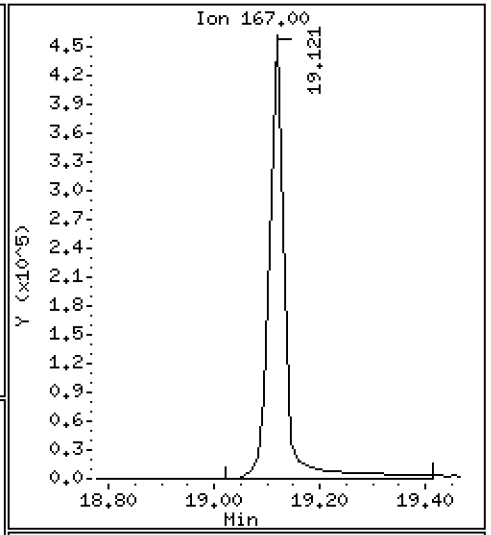
62 Carbazole

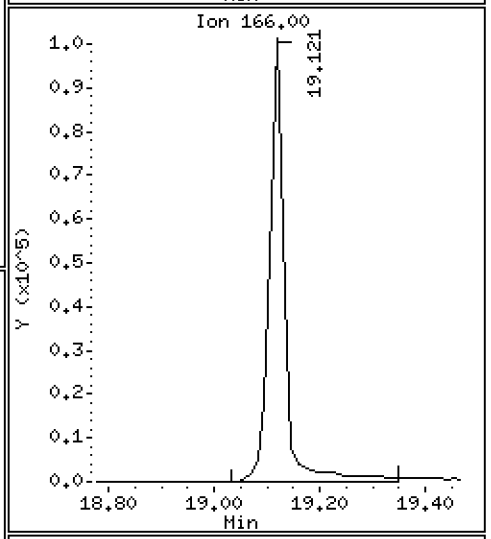
Concentration: 4.708 ug/mL

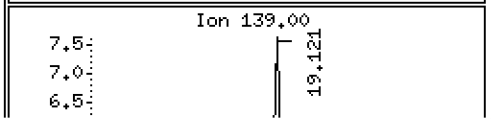












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

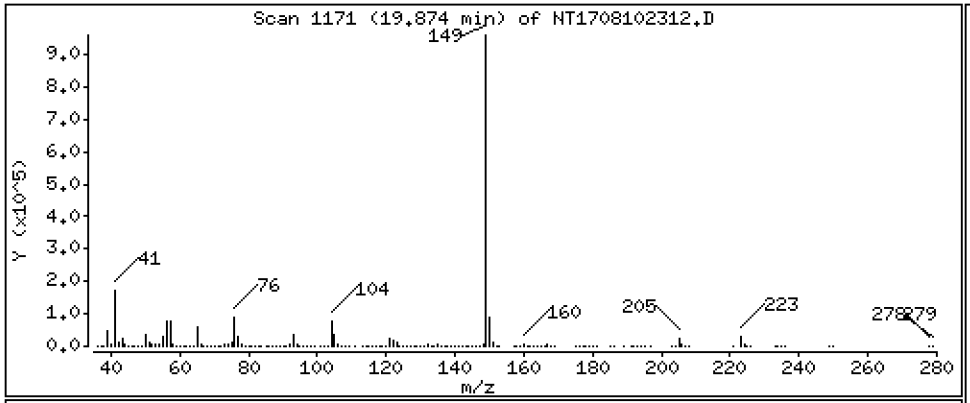
Operator: JGR

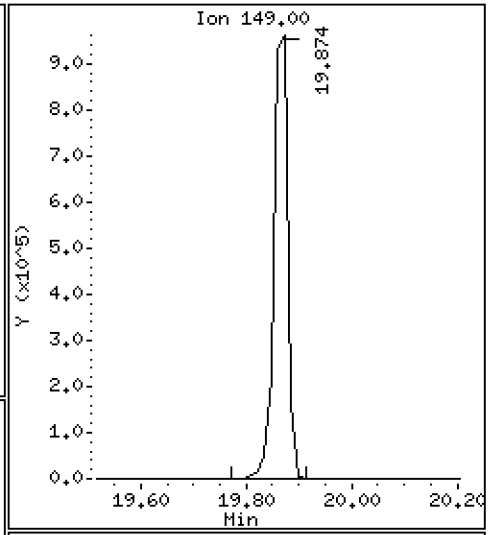
Column phase: ZB-5msi

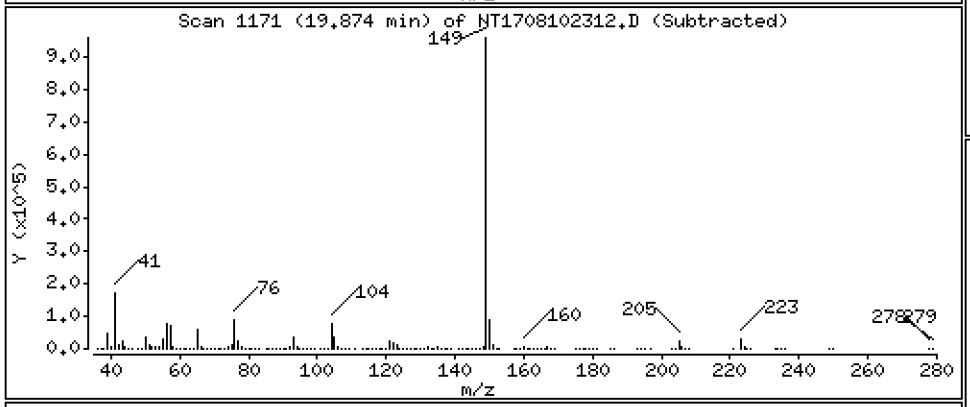
Column diameter: 0.25

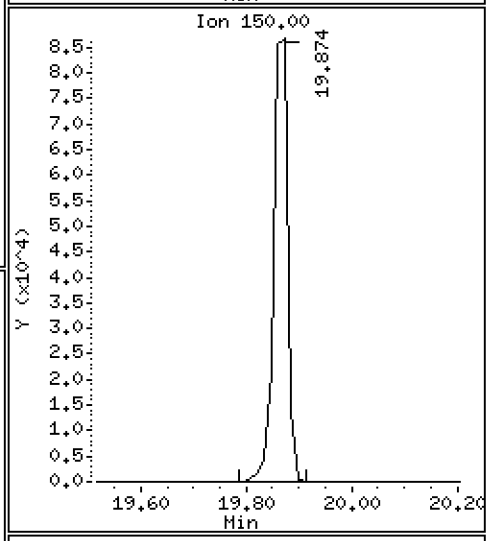
63 Di-n-butylphthalate

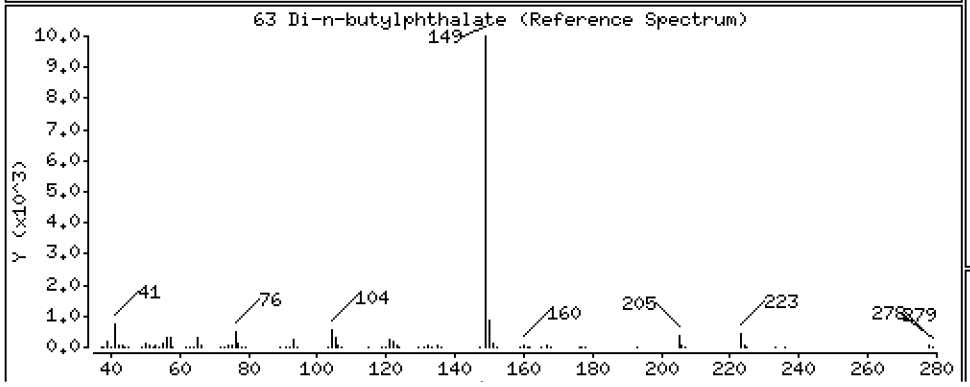
Concentration: 4.886 ug/mL











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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

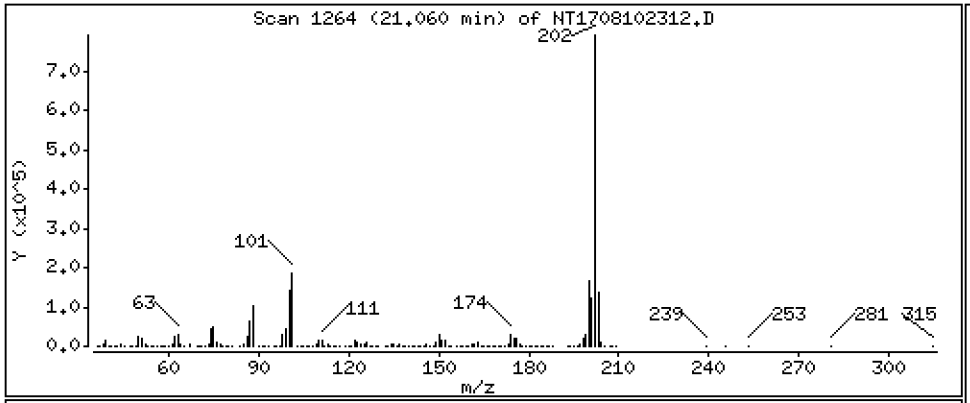
Operator: JGR

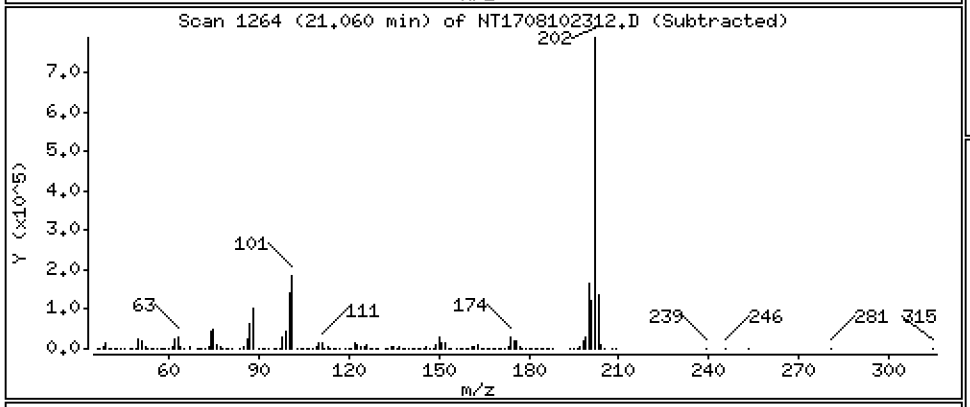
Column phase: ZB-5msi

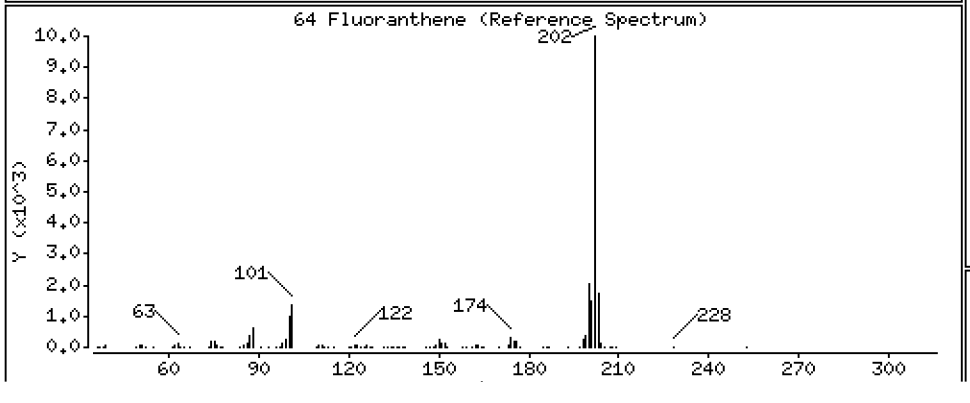
Column diameter: 0.25

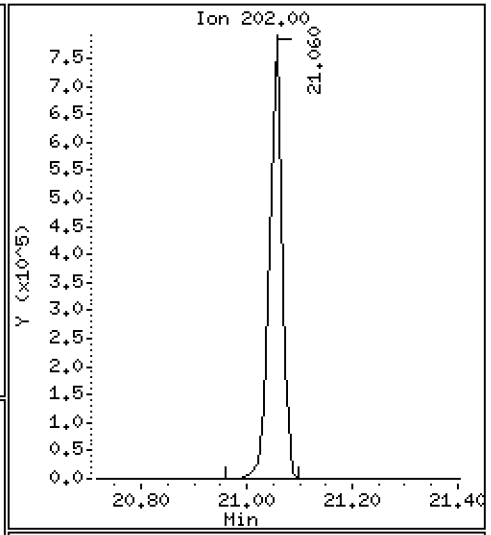
64 Fluoranthene

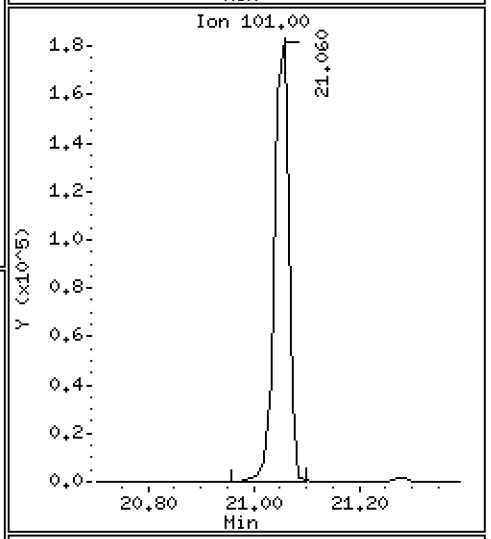
Concentration: 6.141 ug/mL

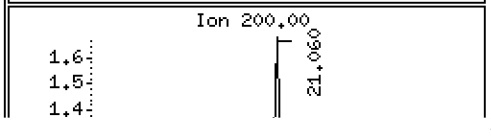












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

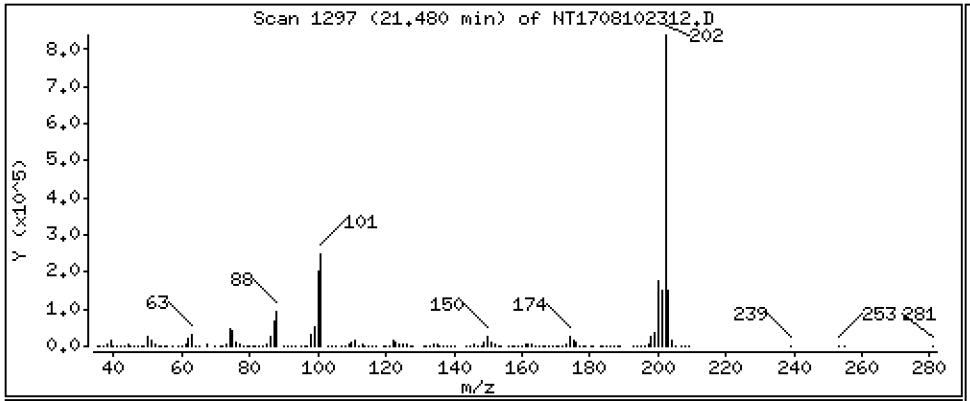
Operator: JGR

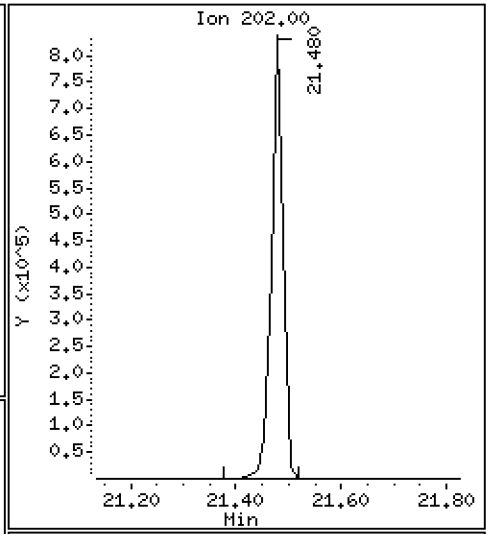
Column phase: ZB-5msi

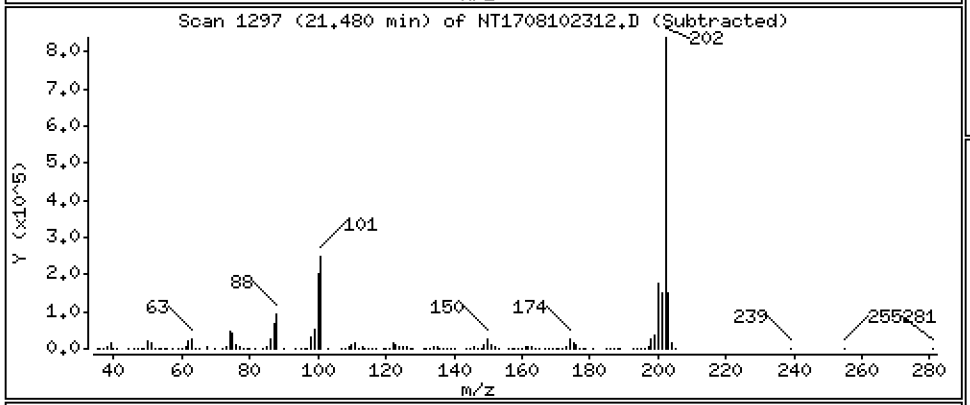
Column diameter: 0.25

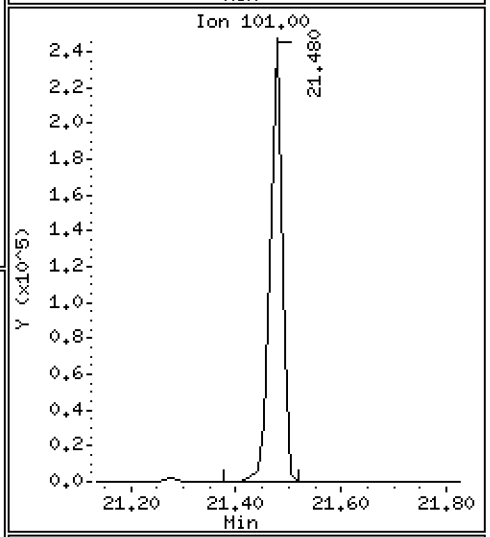
65 Pyrene

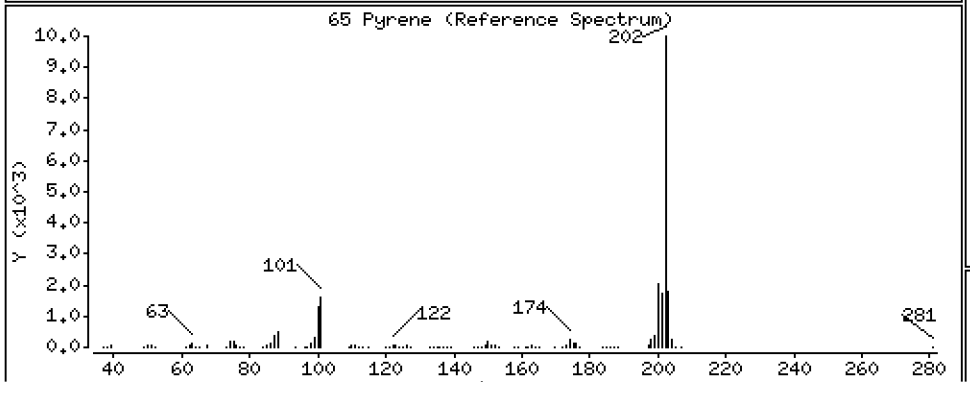
Concentration: 5.873 ug/mL

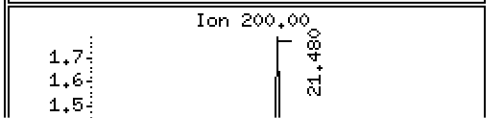












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

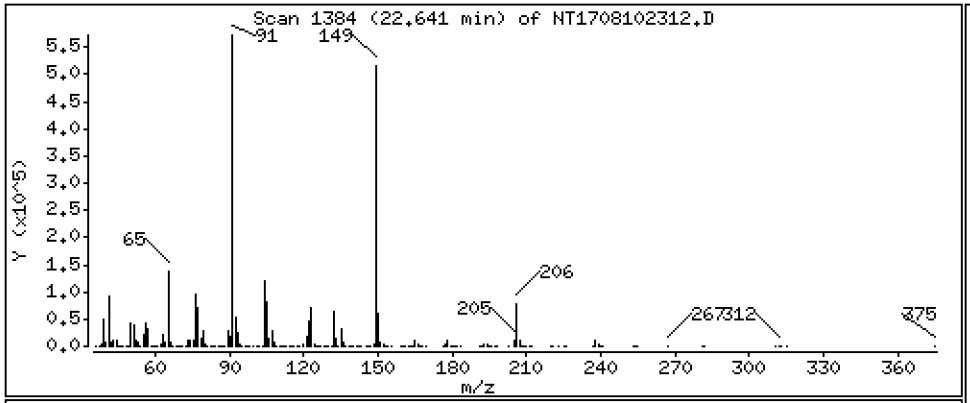
Operator: JGR

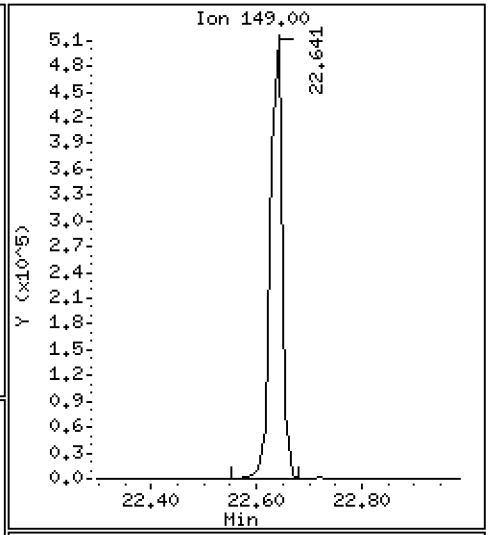
Column phase: ZB-5msi

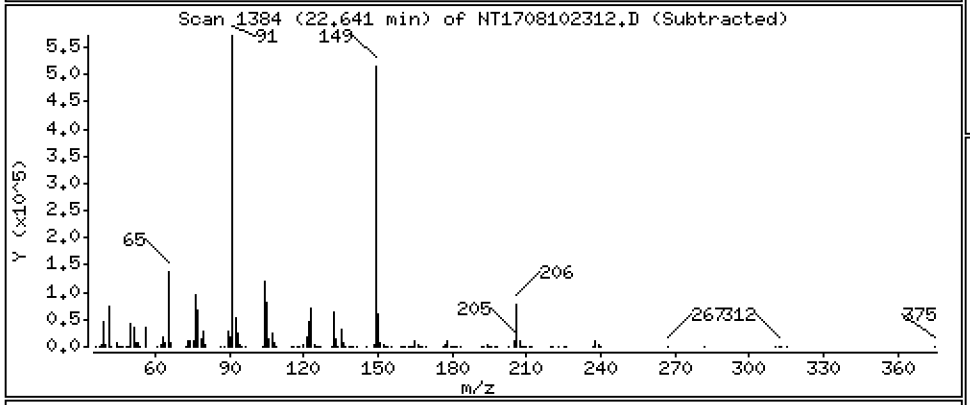
Column diameter: 0.25

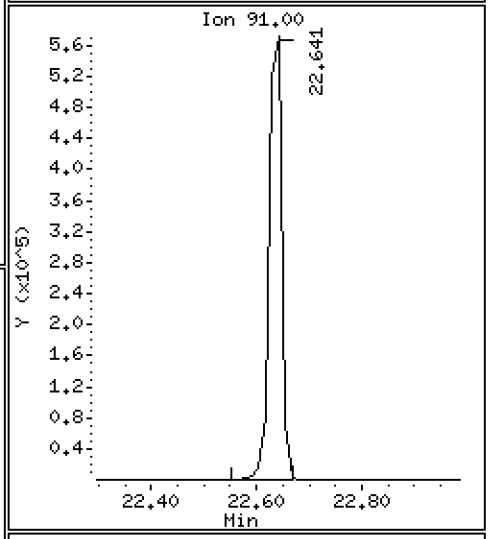
67 Butylbenzylphthalate

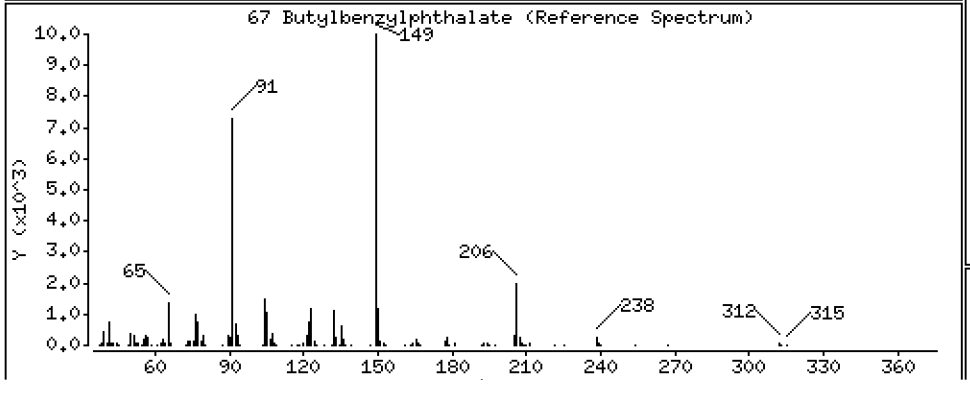
Concentration: 5.346 ug/mL

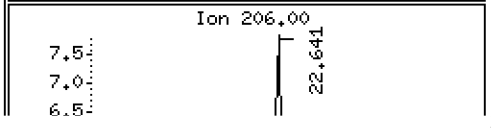












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

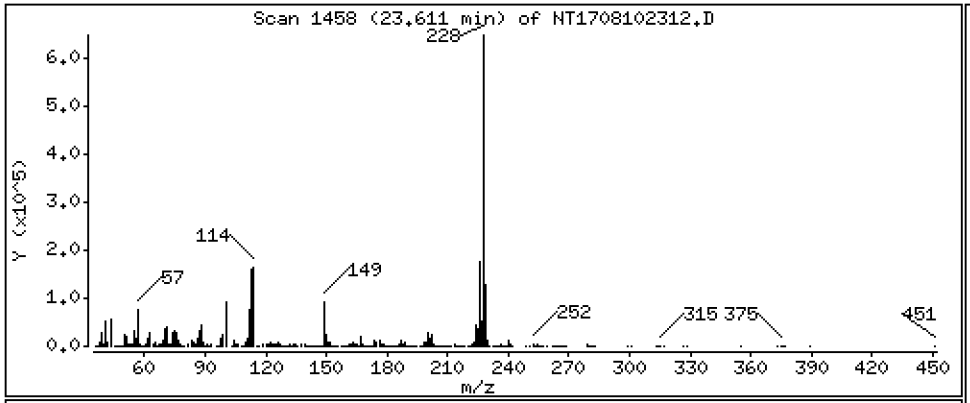
Operator: JGR

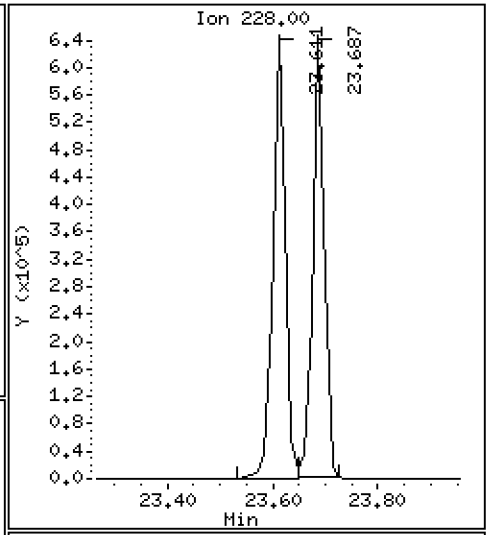
Column phase: ZB-5msi

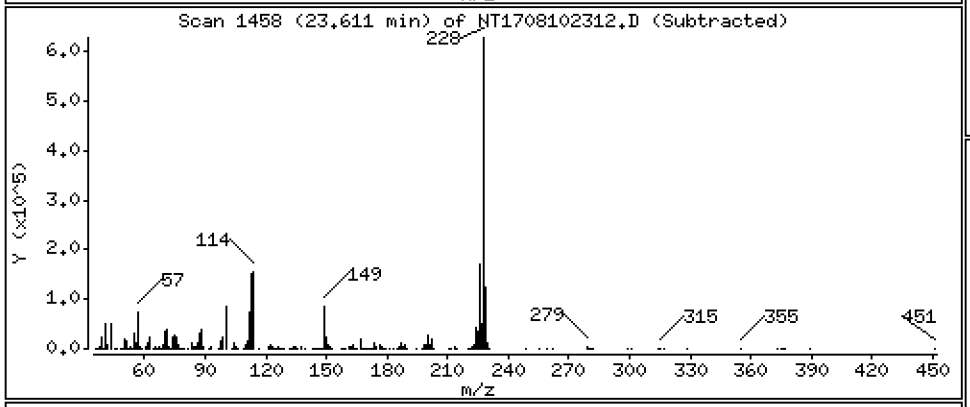
Column diameter: 0.25

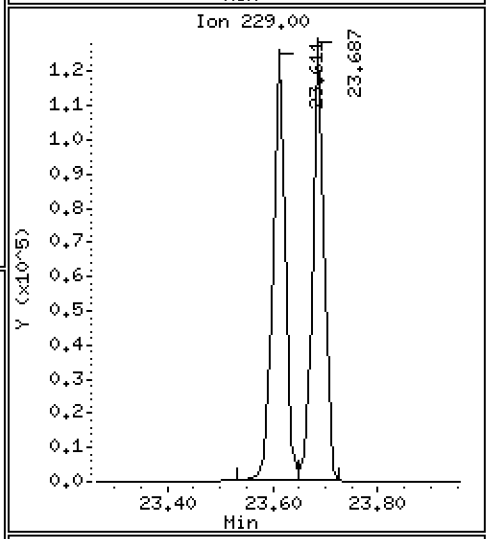
68 Benzo(a)anthracene

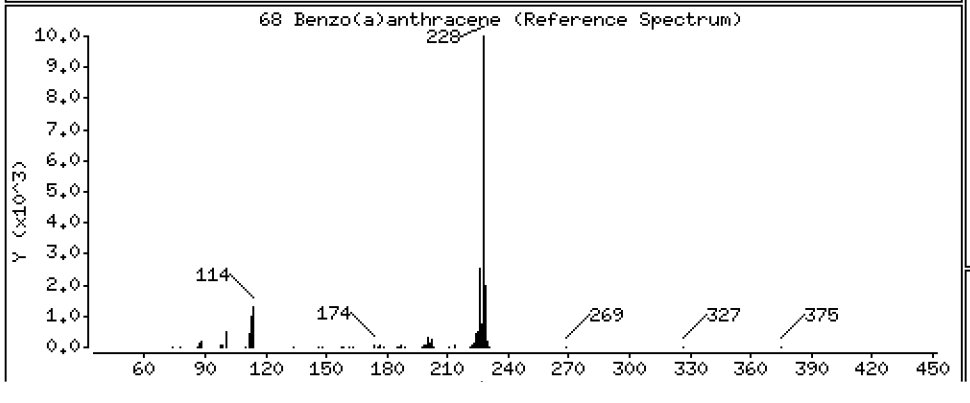
Concentration: 5.384 ug/mL

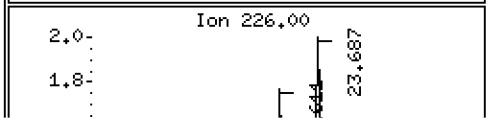












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

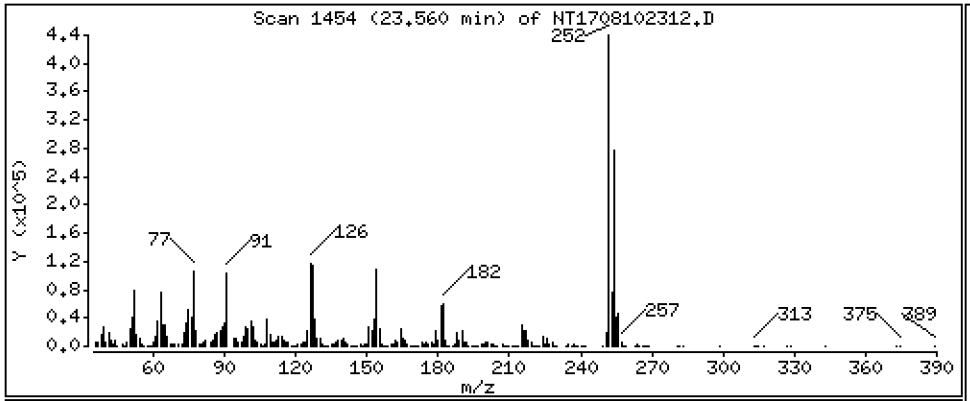
Operator: JGR

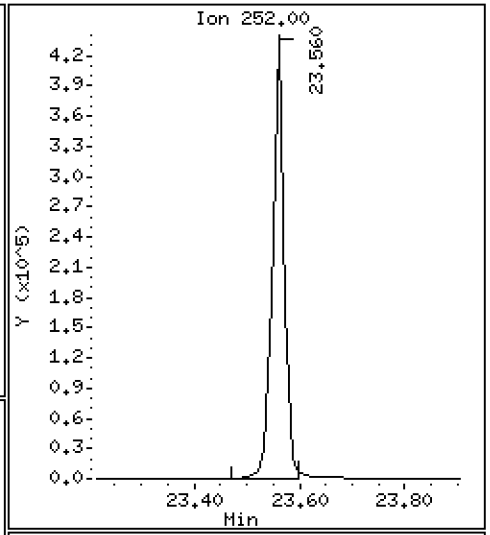
Column phase: ZB-5msi

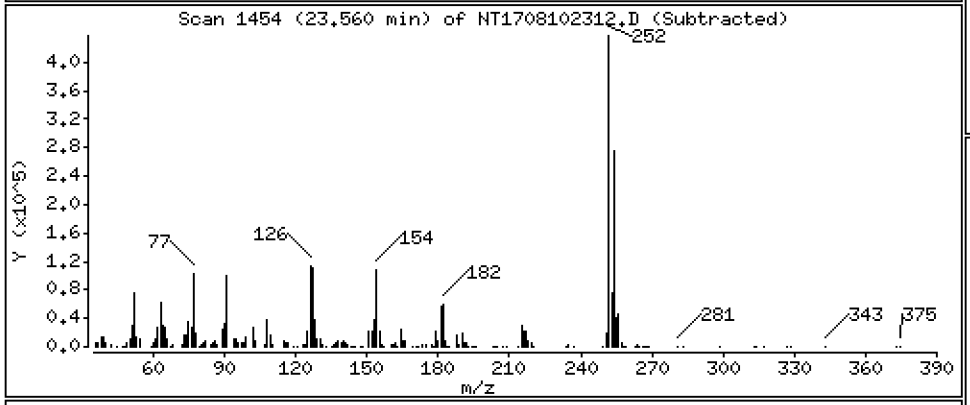
Column diameter: 0.25

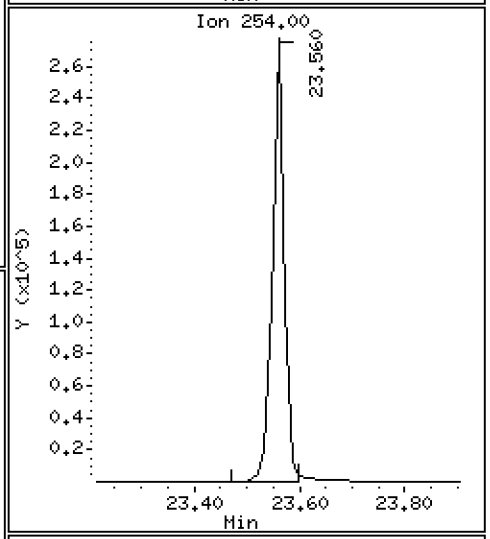
70 3,3'-Dichlorobenzidine

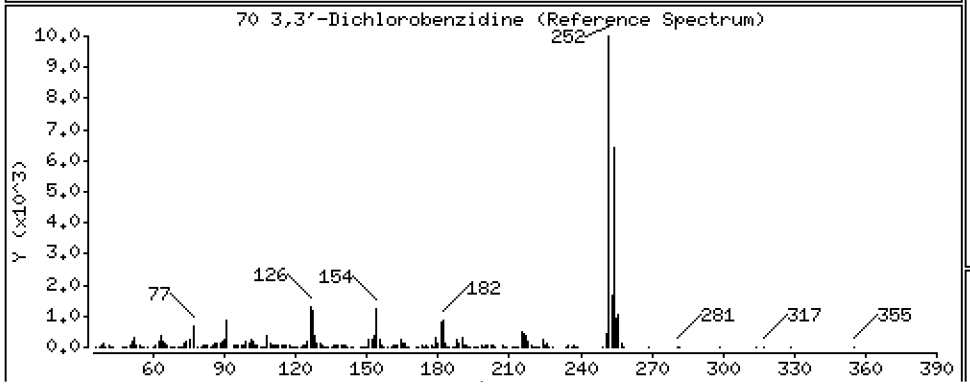
Concentration: 11.05 ug/mL

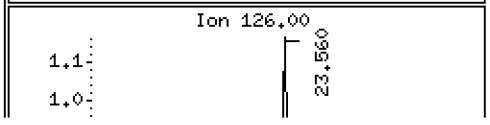












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

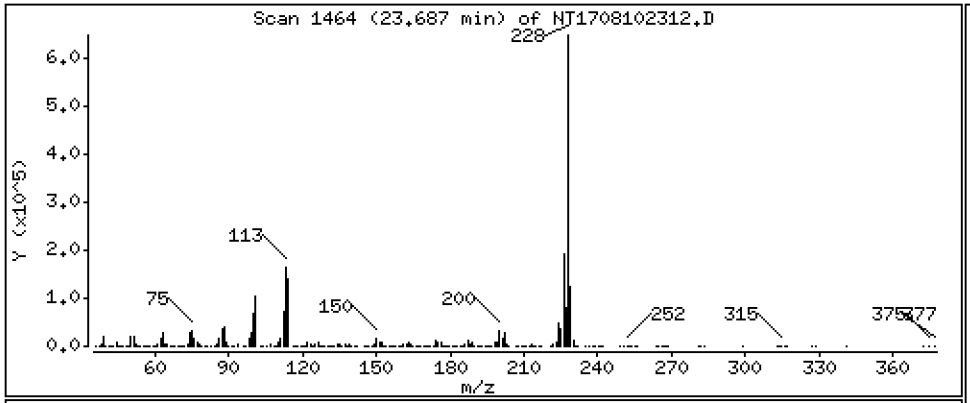
Operator: JGR

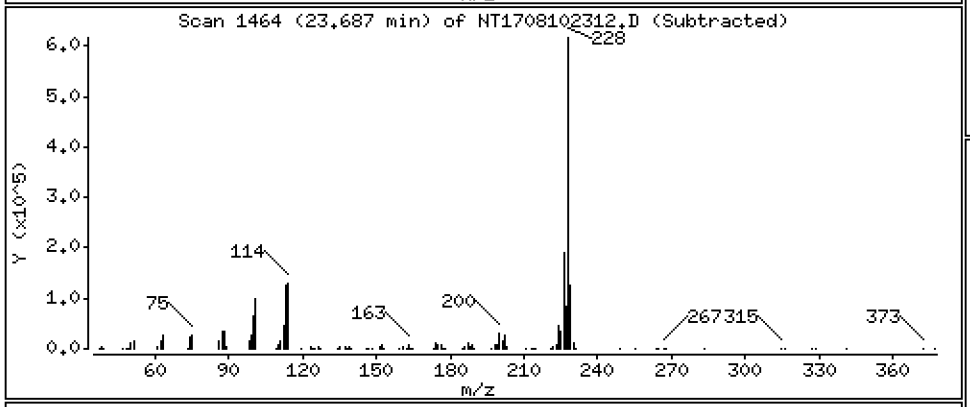
Column phase: ZB-5msi

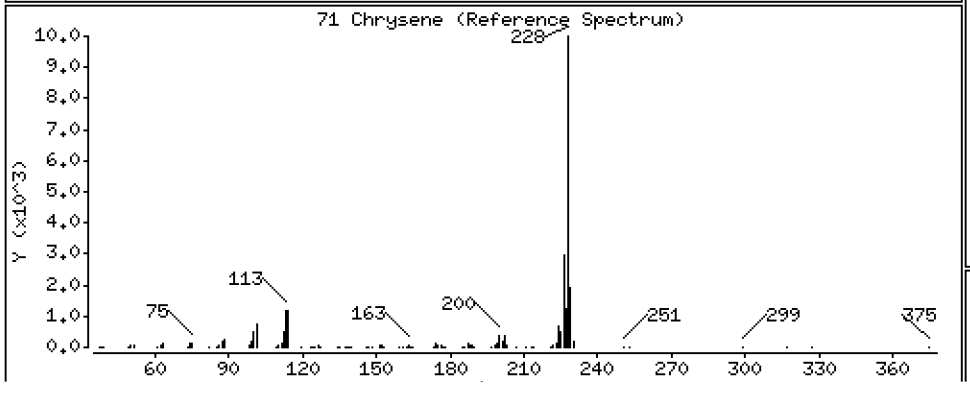
Column diameter: 0.25

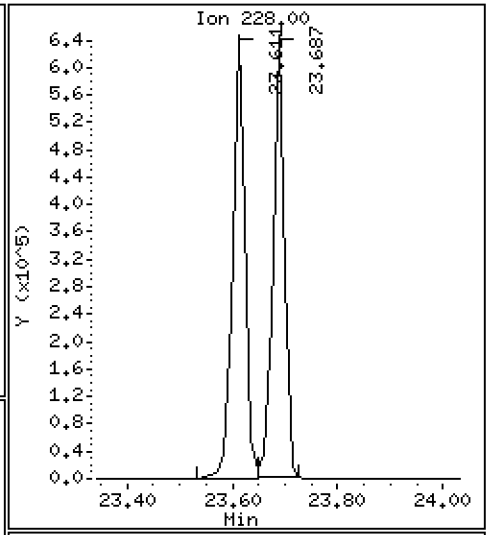
71 Chrysene

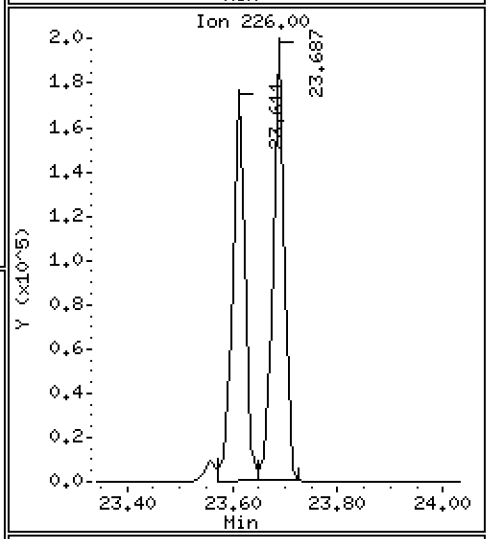
Concentration: 5.557 ug/mL

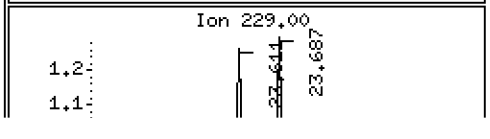












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

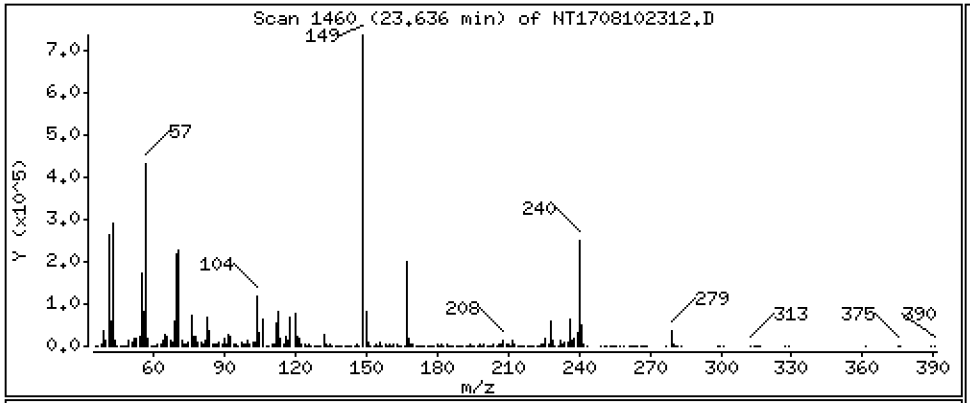
Operator: JGR

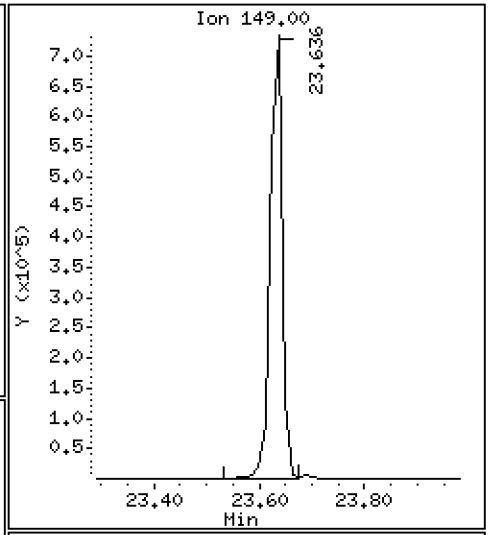
Column phase: ZB-5msi

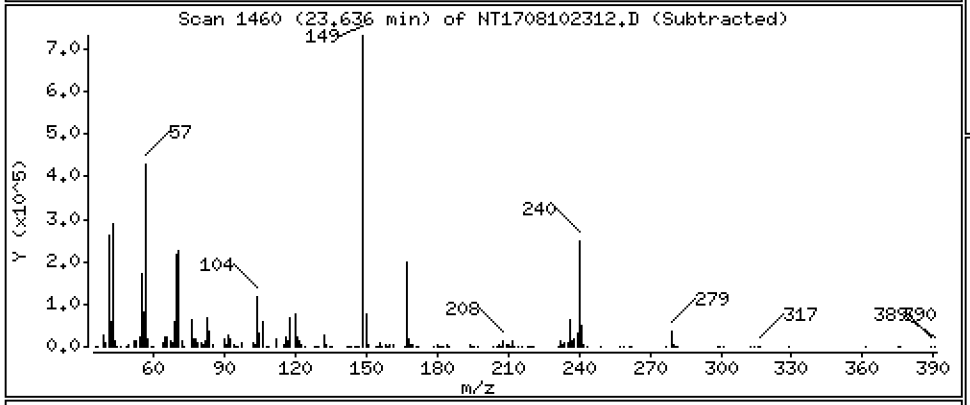
Column diameter: 0.25

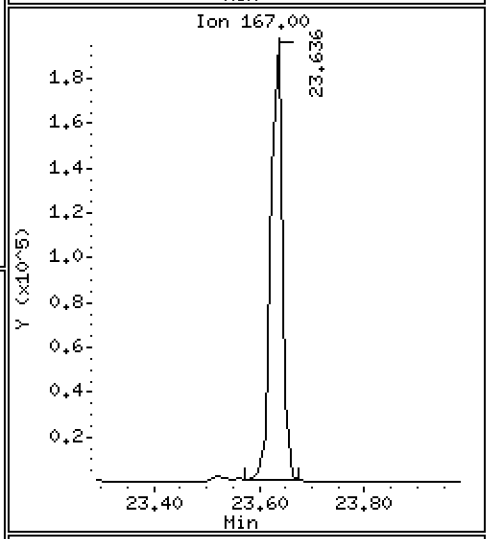
72 bis(2-Ethylhexyl)phthalate

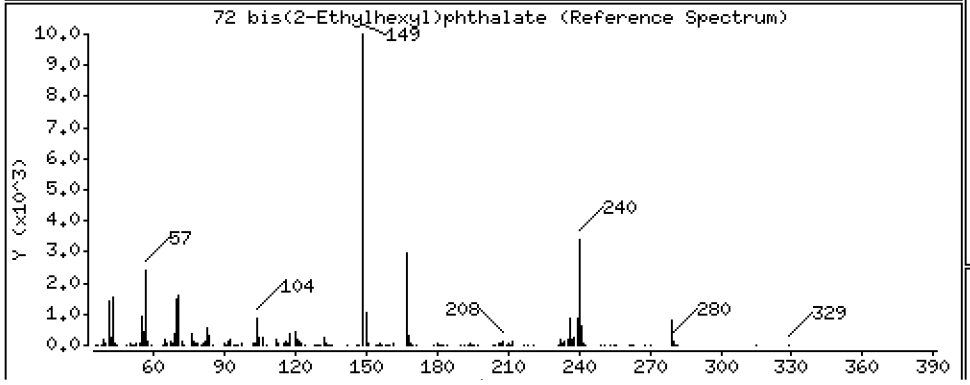
Concentration: 5.561 ug/mL

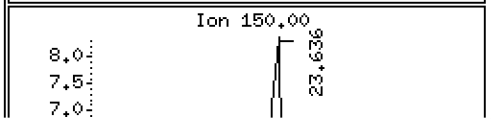












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

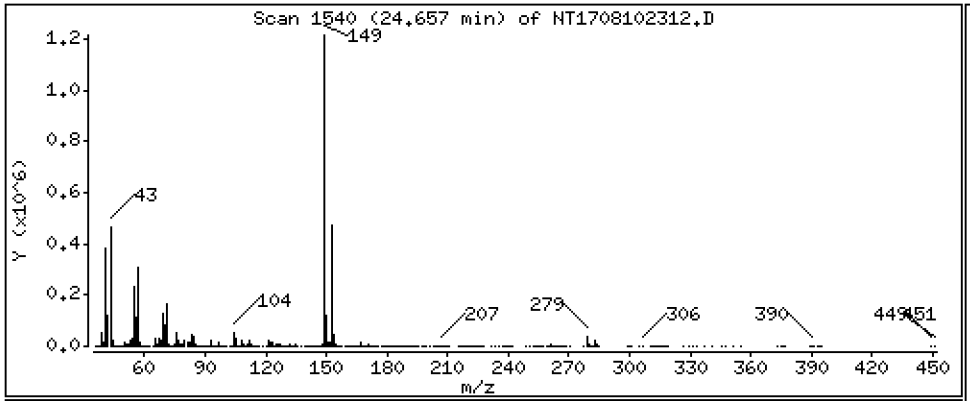
Operator: JGR

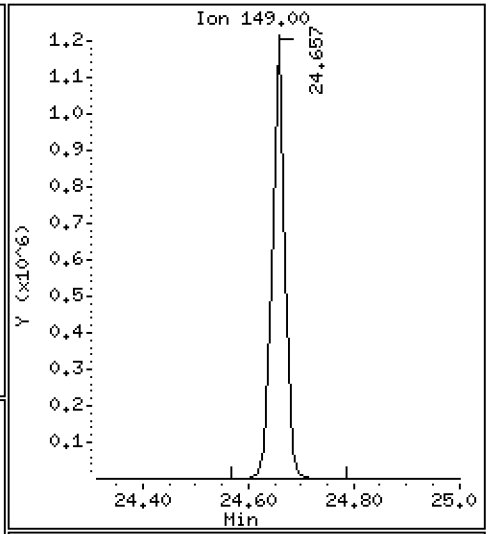
Column phase: ZB-5msi

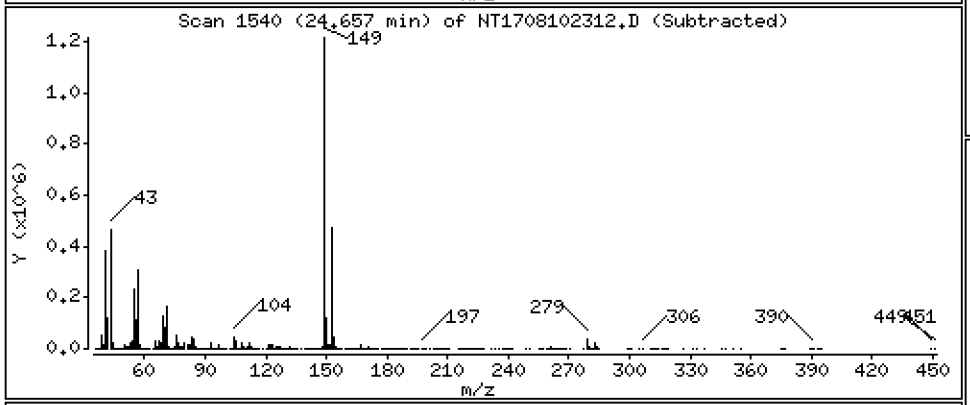
Column diameter: 0.25

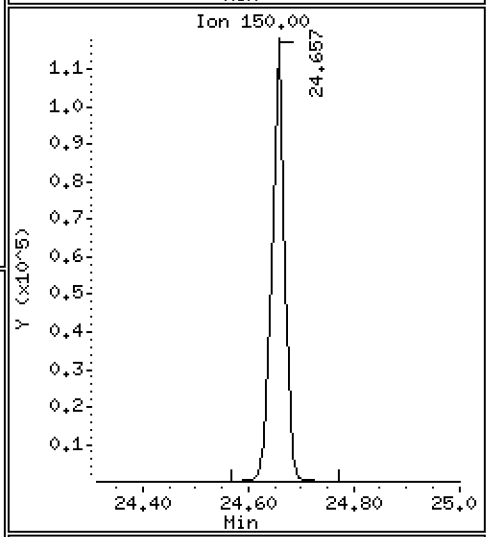
73 Di-n-octylphthalate

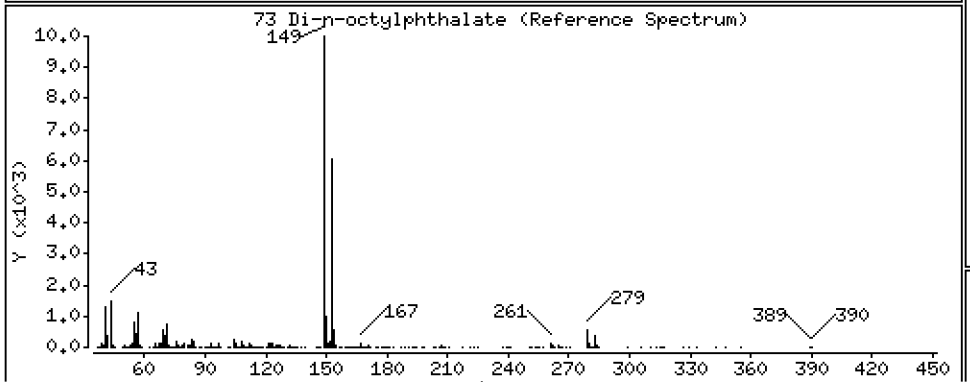
Concentration: 5.600 ug/mL

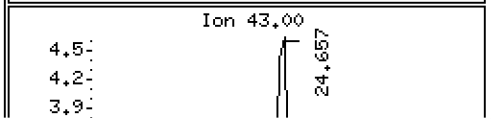












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

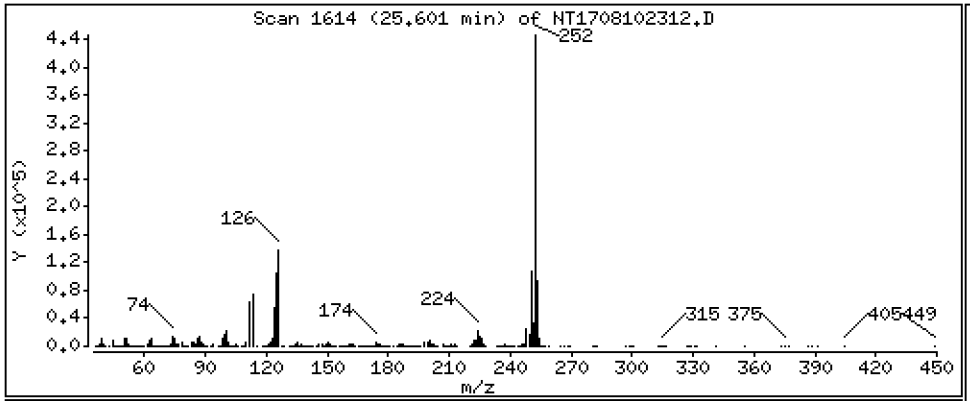
Operator: JGR

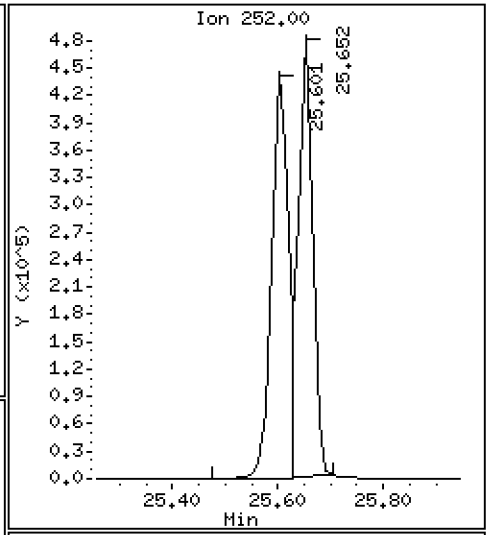
Column phase: ZB-5msi

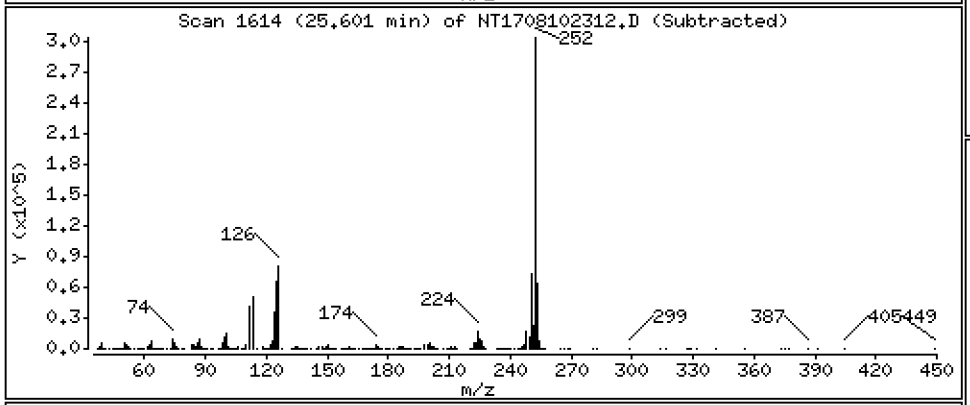
Column diameter: 0.25

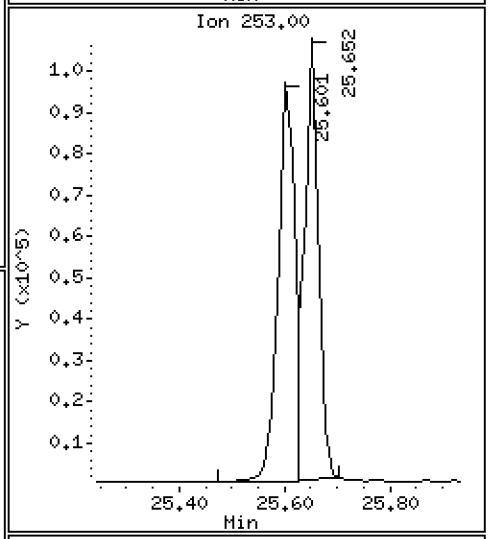
74 Benzo(b)fluoranthene

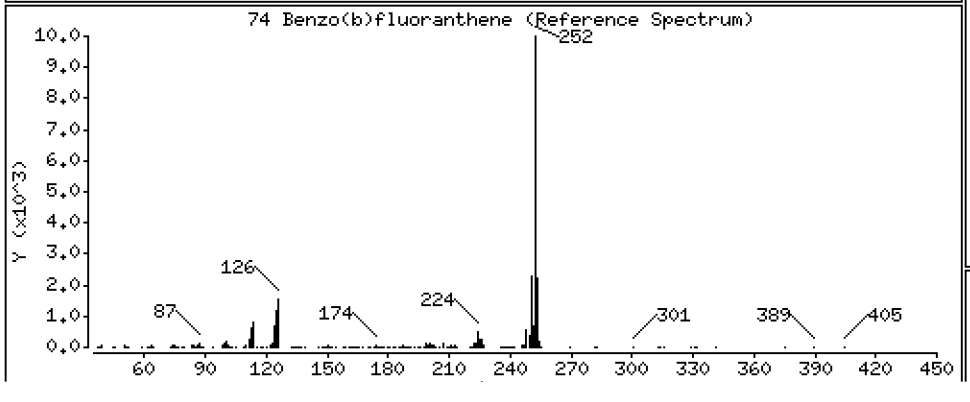
Concentration: 4.671 ug/mL

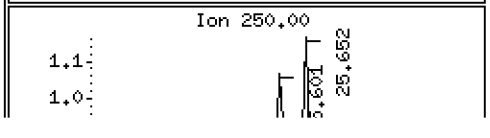












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

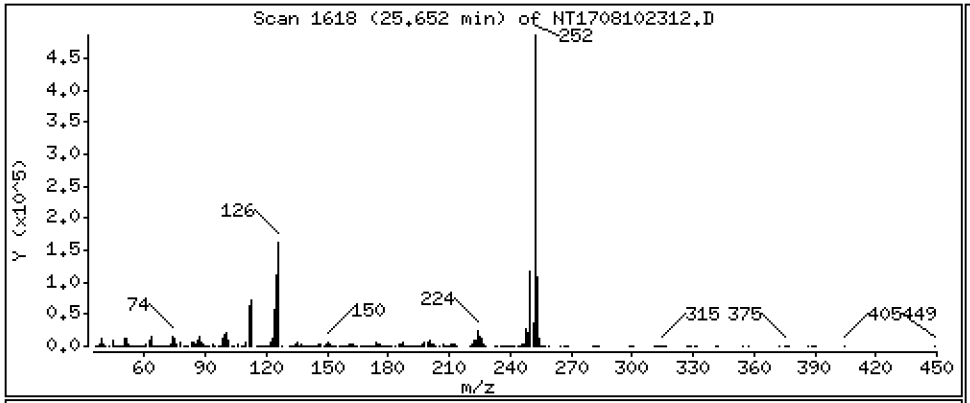
Operator: JGR

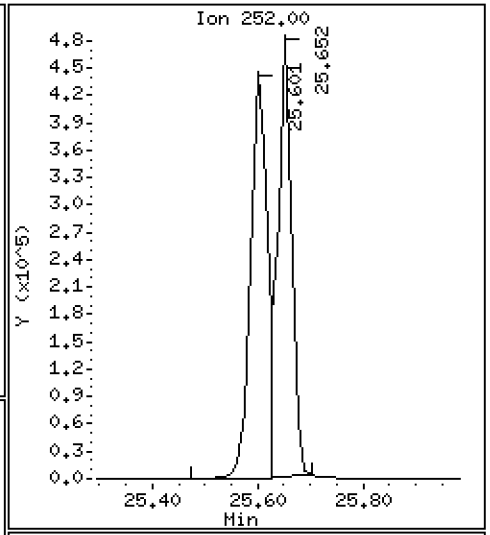
Column phase: ZB-5msi

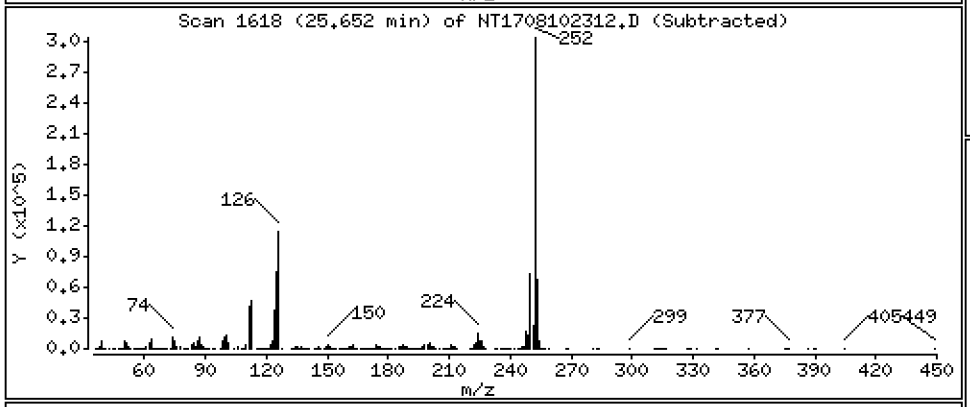
Column diameter: 0.25

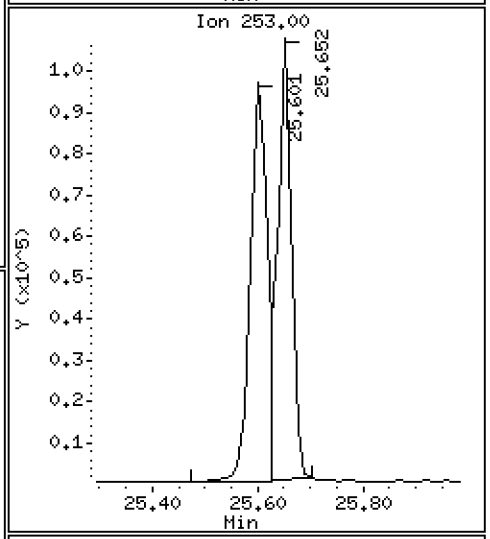
75 Benzo(k)fluoranthene

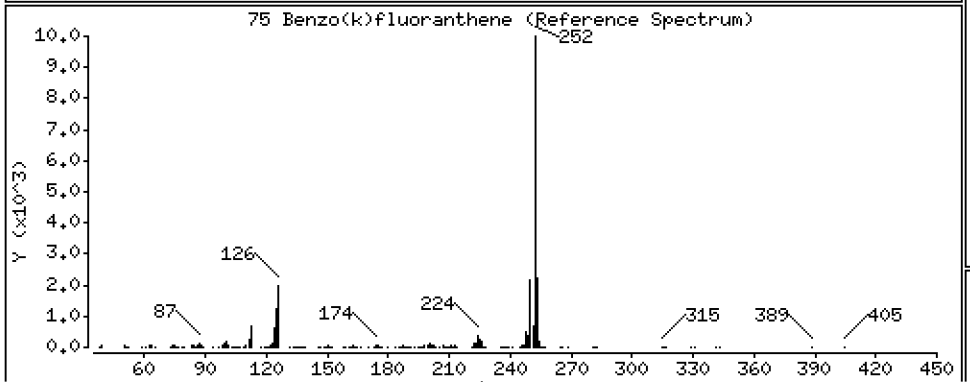
Concentration: 5.408 ug/mL

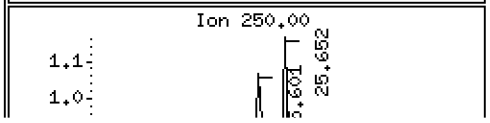












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

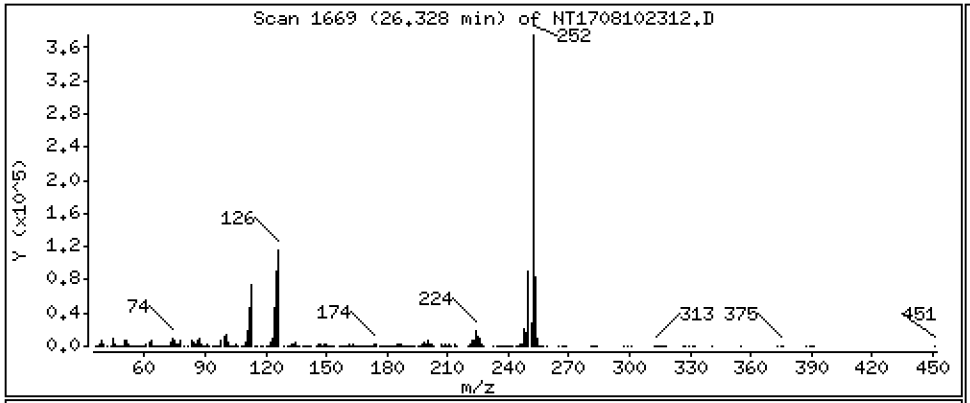
Operator: JGR

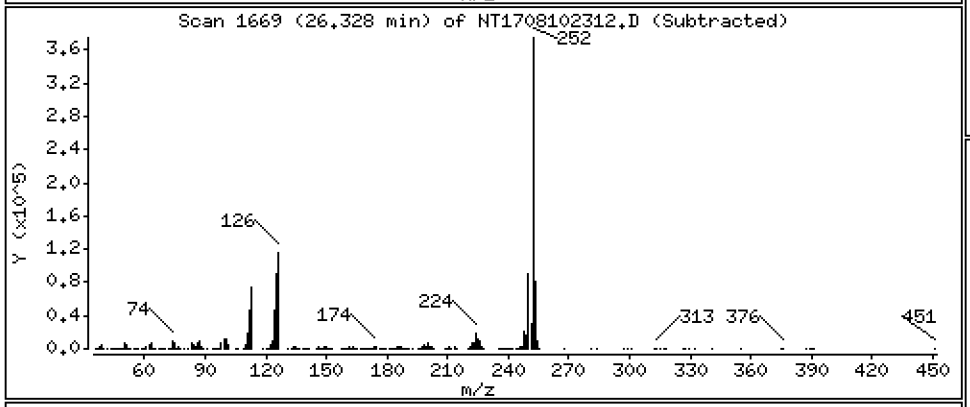
Column phase: ZB-5msi

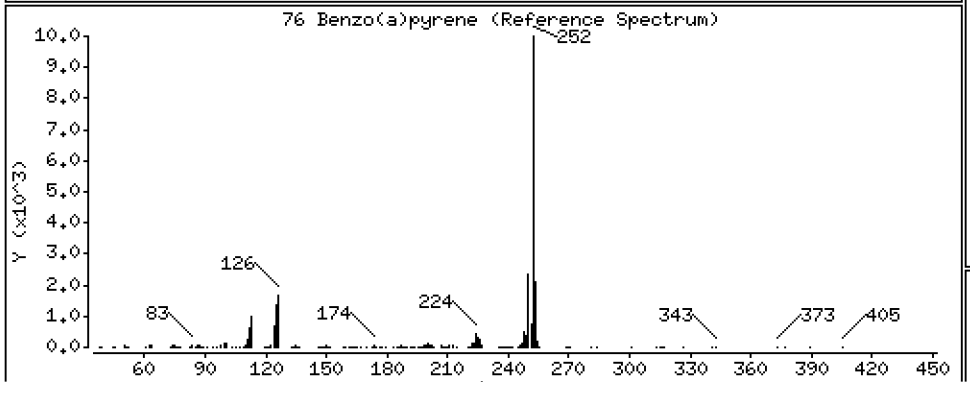
Column diameter: 0.25

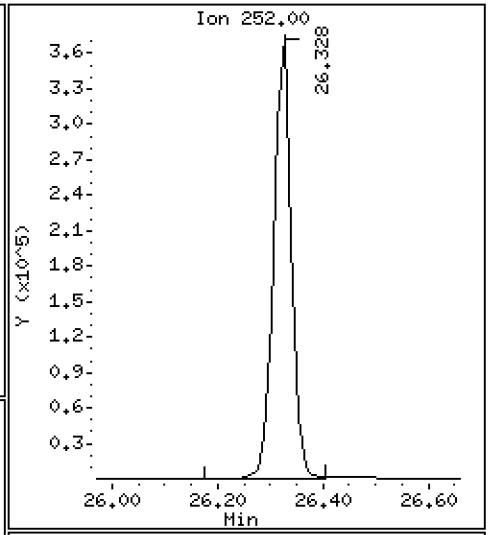
76 Benzo(a)pyrene

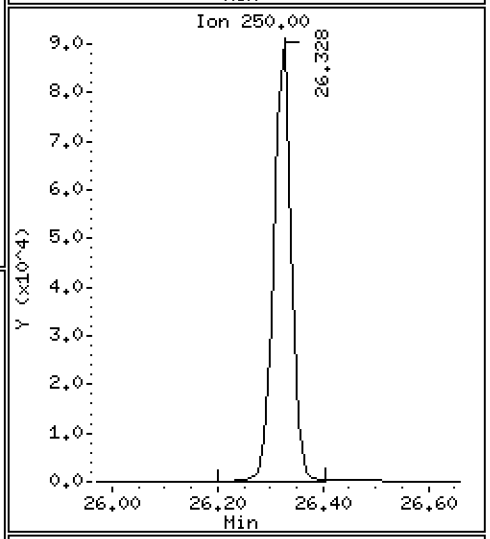
Concentration: 5.201 ug/mL

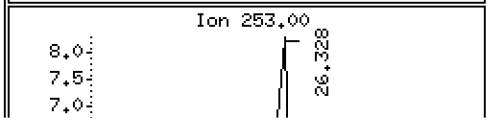












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

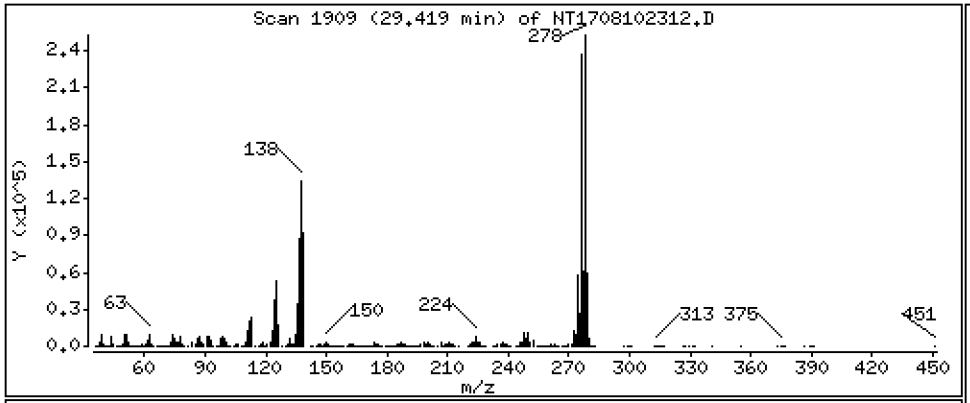
Operator: JGR

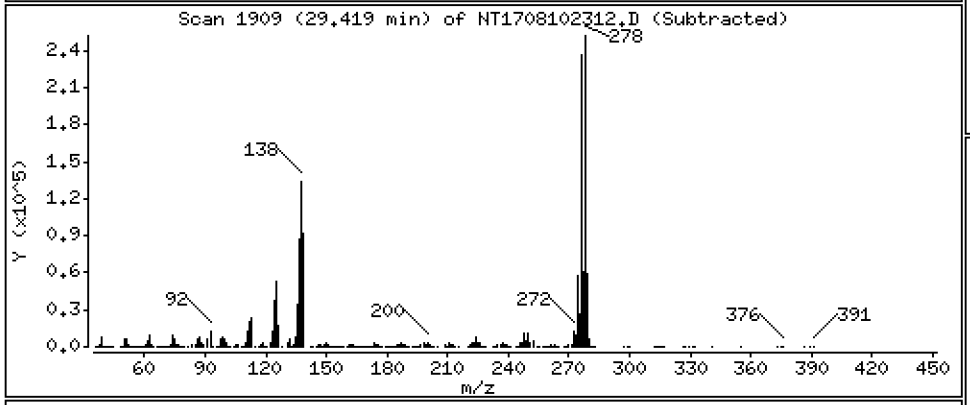
Column phase: ZB-5msi

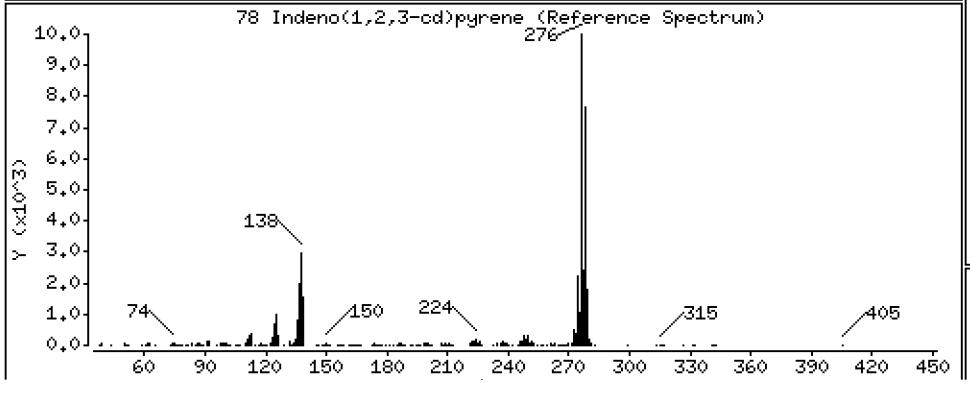
Column diameter: 0.25

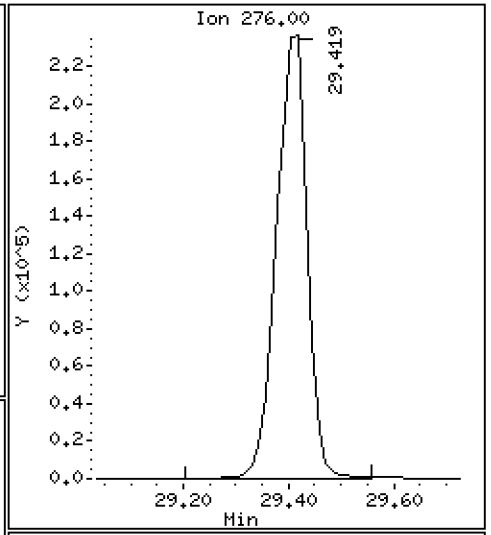
78 Indeno(1,2,3-cd)pyrene

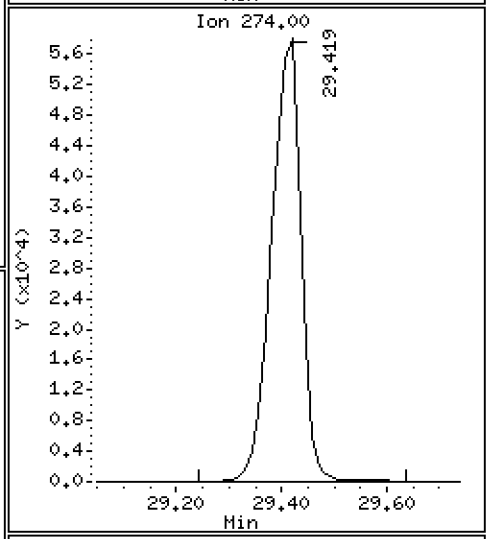
Concentration: 4.765 ug/mL

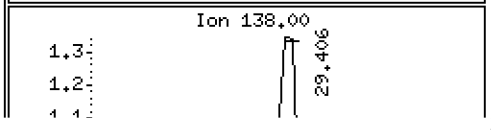












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

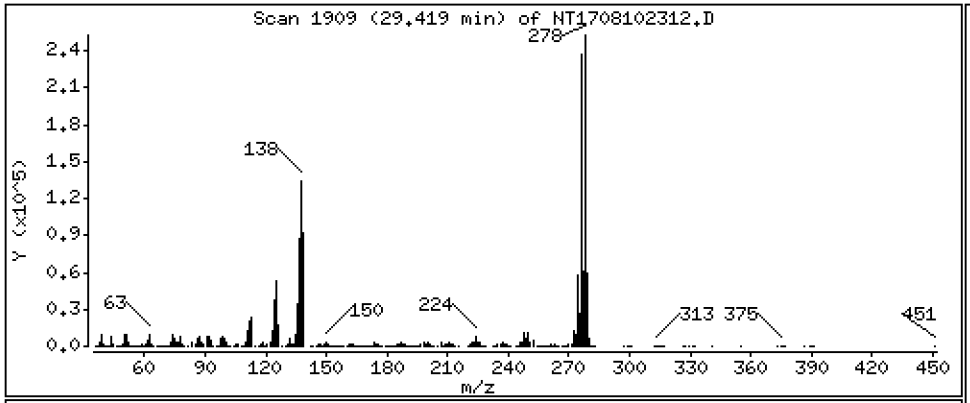
Operator: JGR

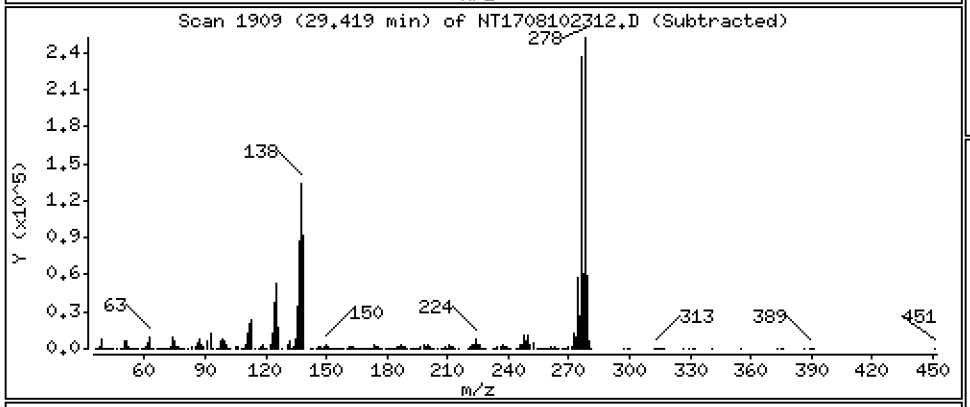
Column phase: ZB-5msi

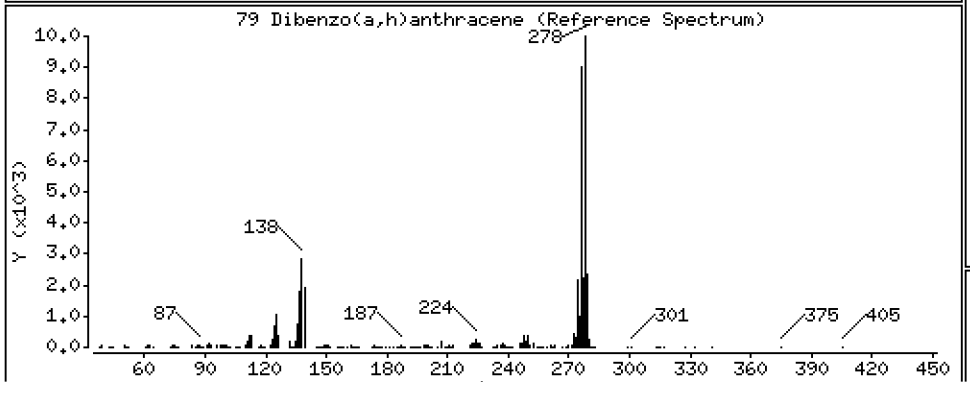
Column diameter: 0.25

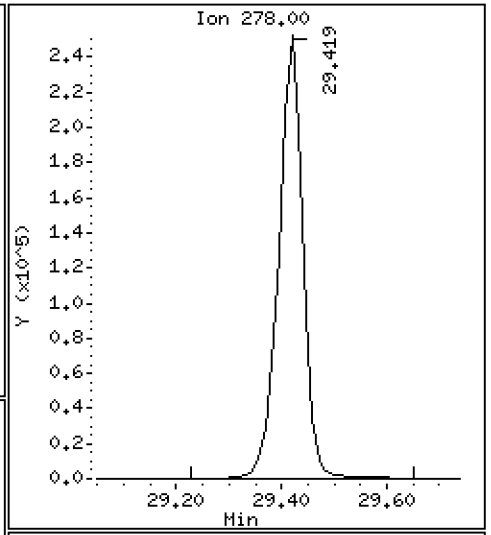
79 Dibenzo(a,h)anthracene

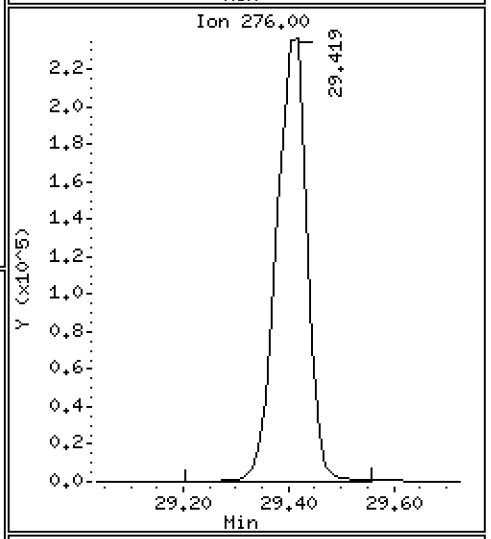
Concentration: 4.553 ug/mL

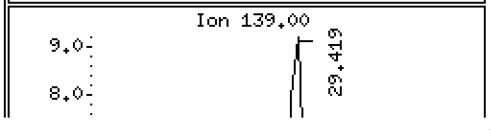












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

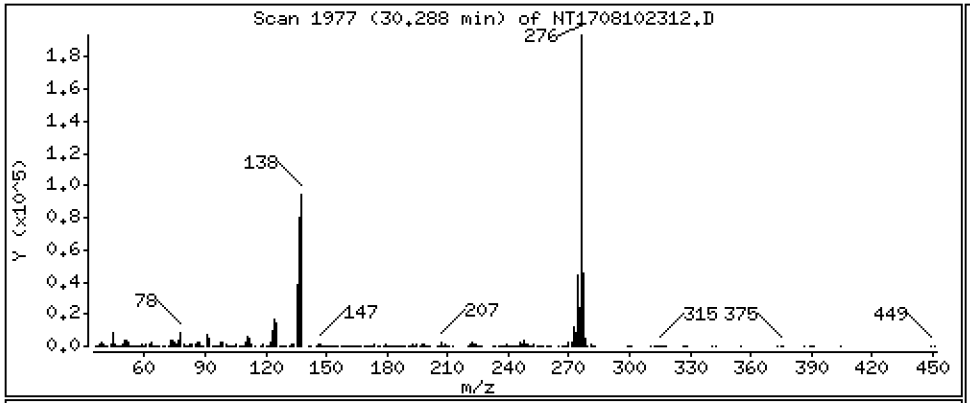
Operator: JGR

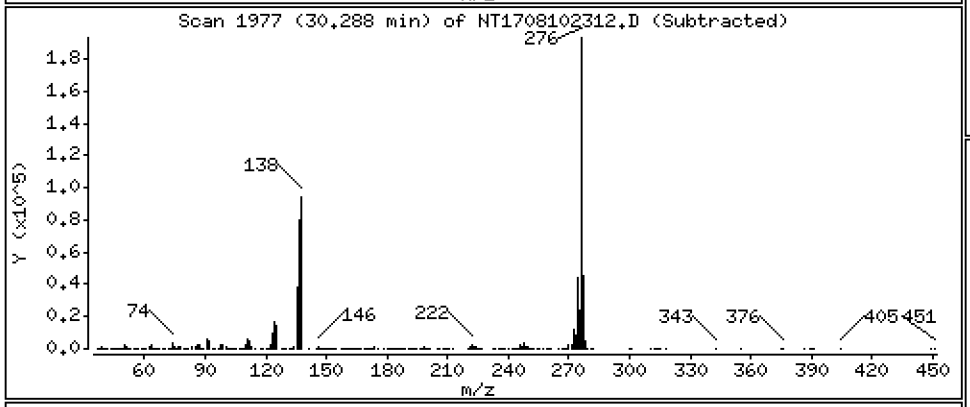
Column phase: ZB-5msi

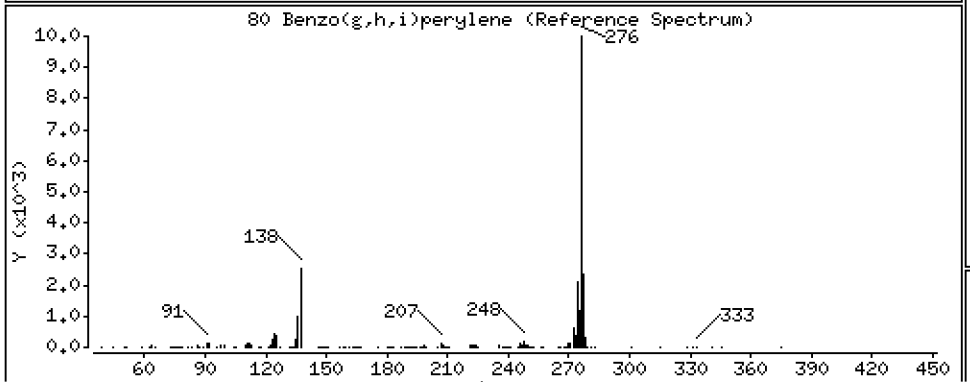
Column diameter: 0.25

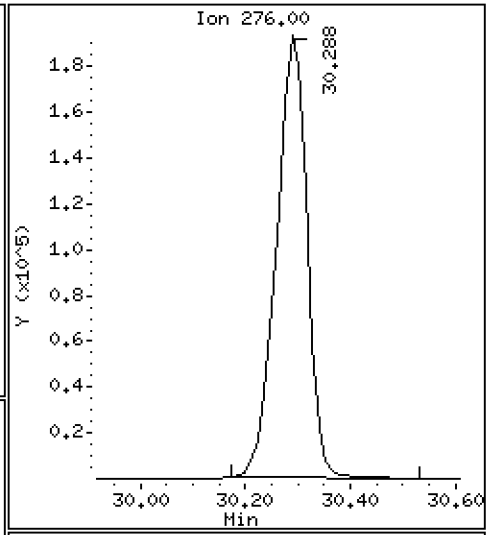
80 Benzo(g,h,i)perylene

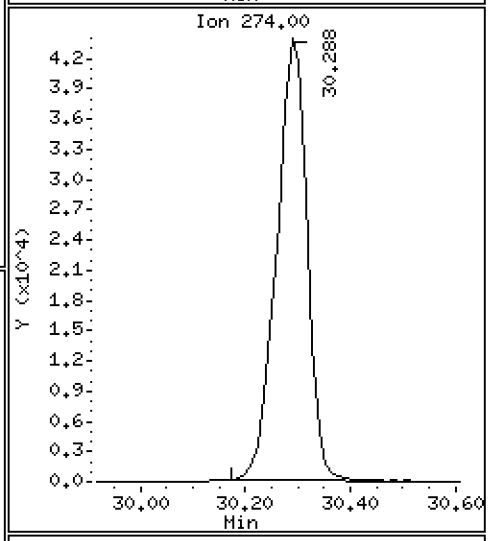
Concentration: 5.566 ug/mL

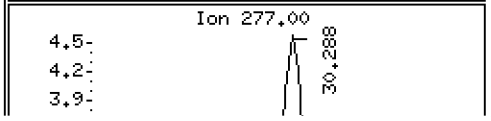












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

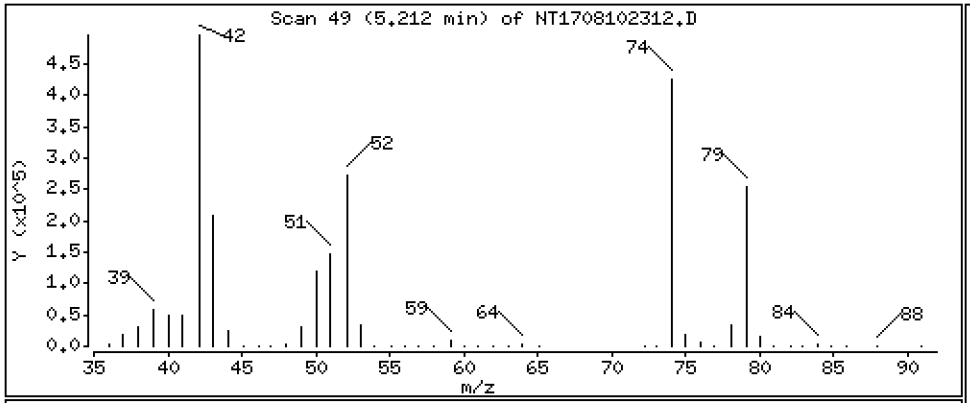
Operator: JGR

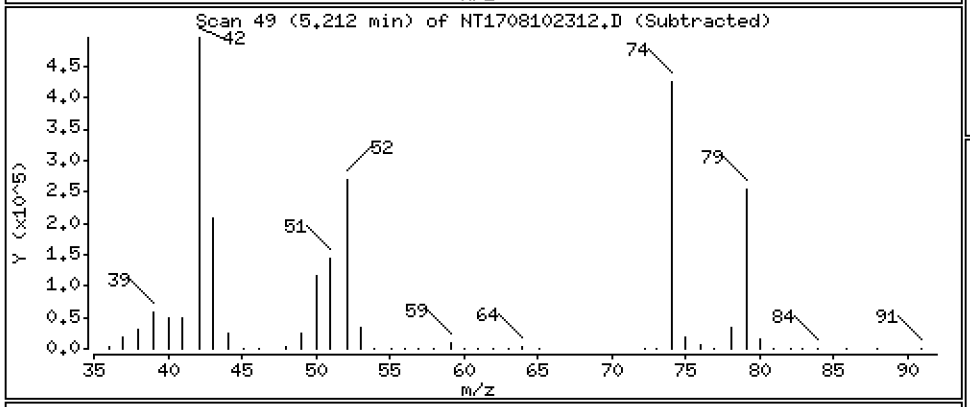
Column phase: ZB-5msi

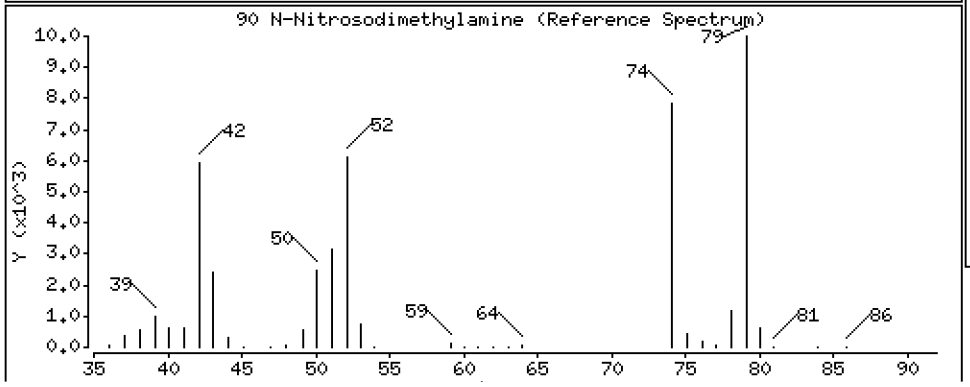
Column diameter: 0.25

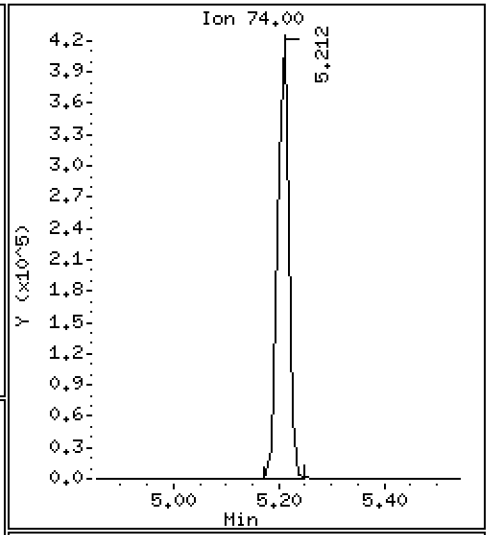
90 N-Nitrosodimethylamine

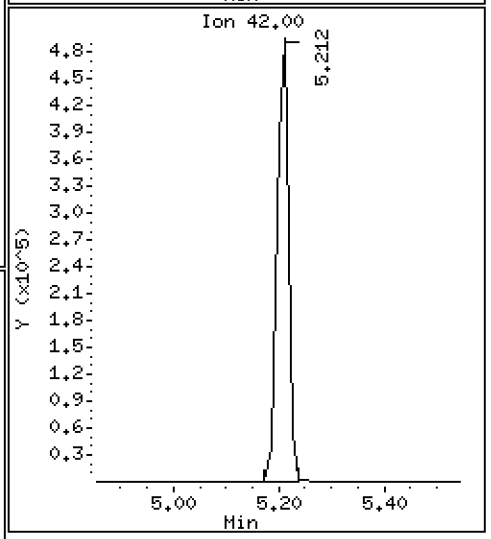
Concentration: 5.576 ug/mL











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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

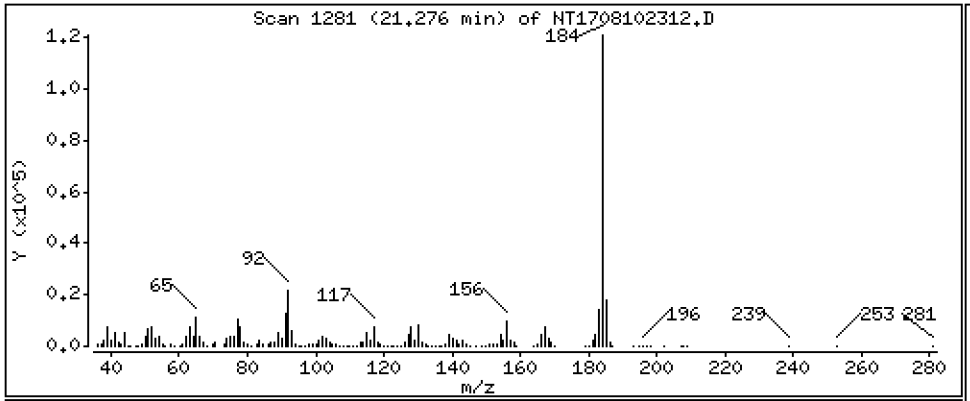
Operator: JGR

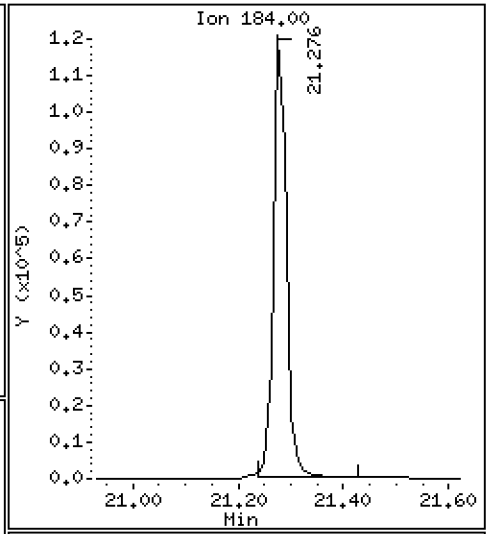
Column phase: ZB-5msi

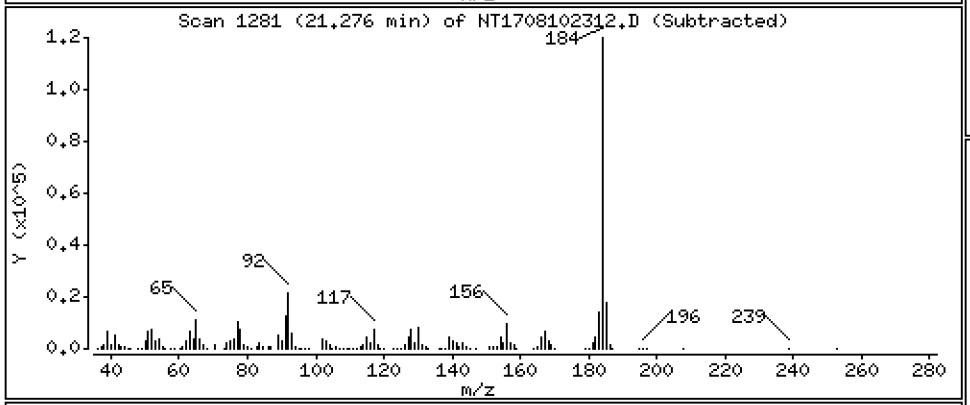
Column diameter: 0.25

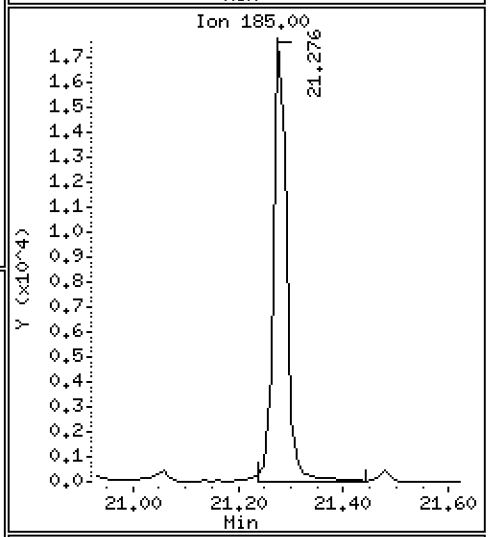
93 Benzidine

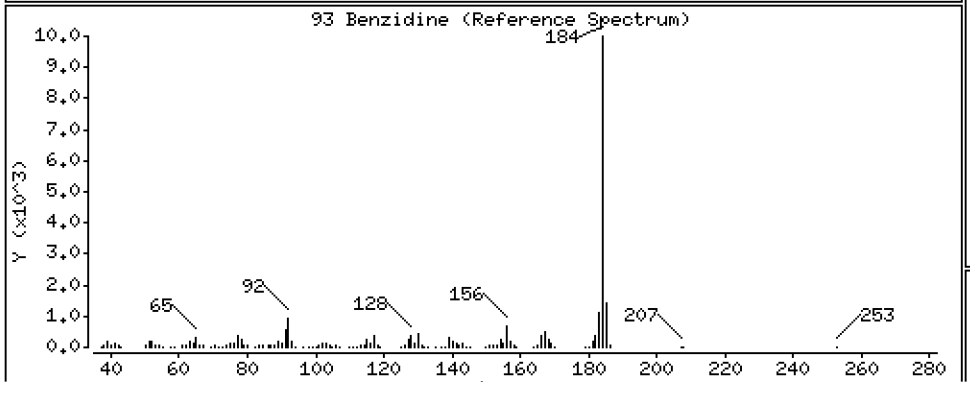
Concentration: 2.026 ug/mL

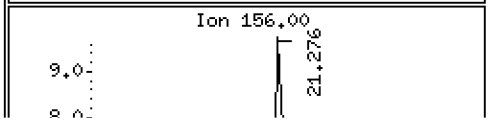












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

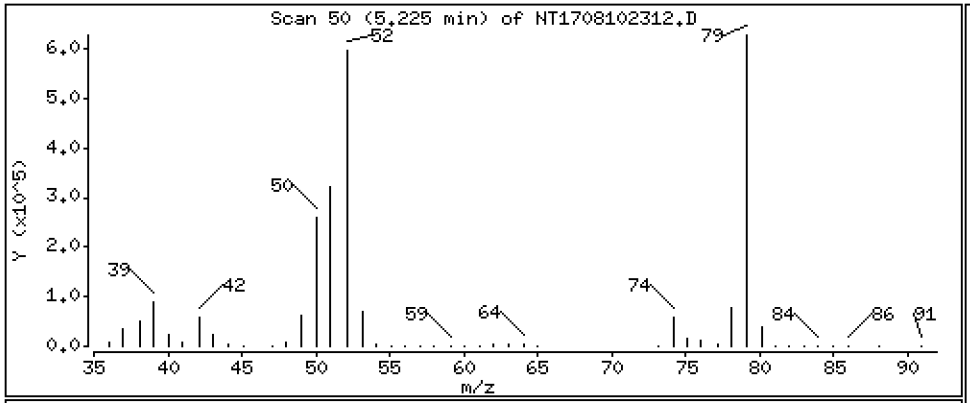
Operator: JGR

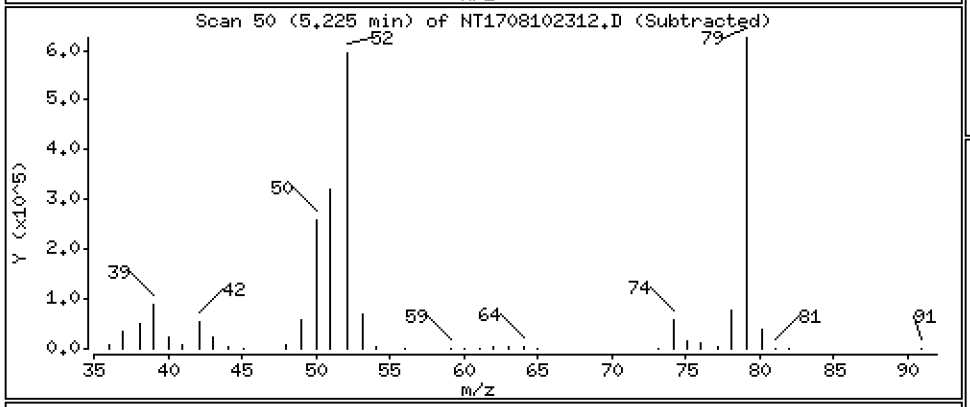
Column phase: ZB-5msi

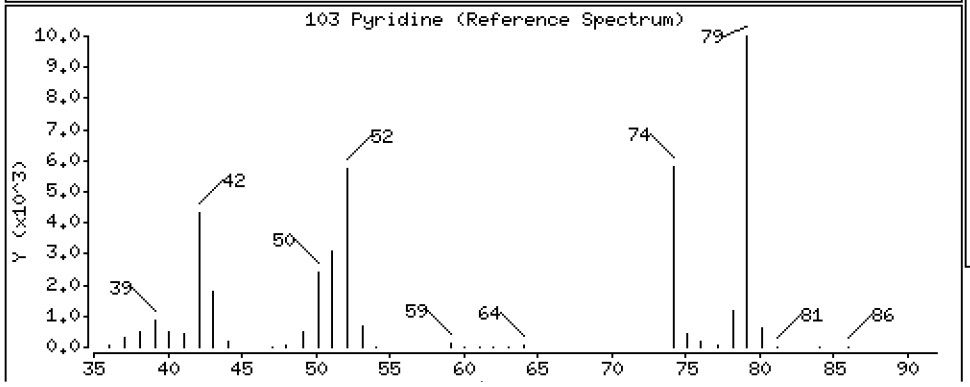
Column diameter: 0.25

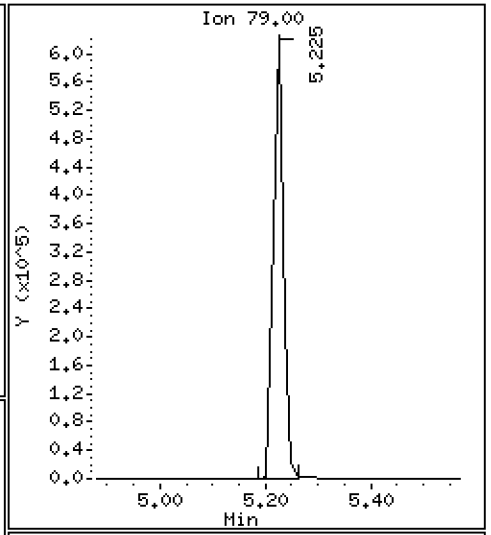
103 Pyridine

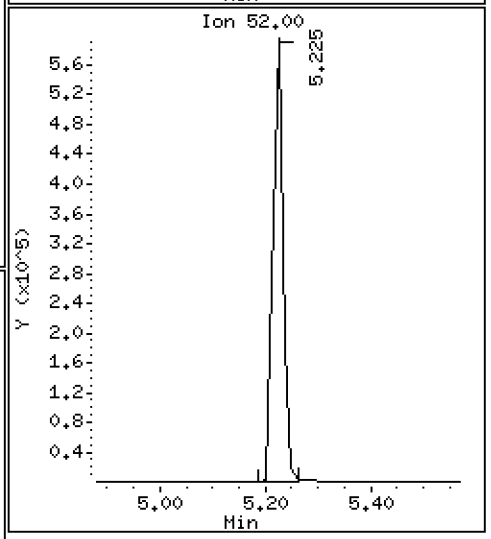
Concentration: 5.374 ug/mL











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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

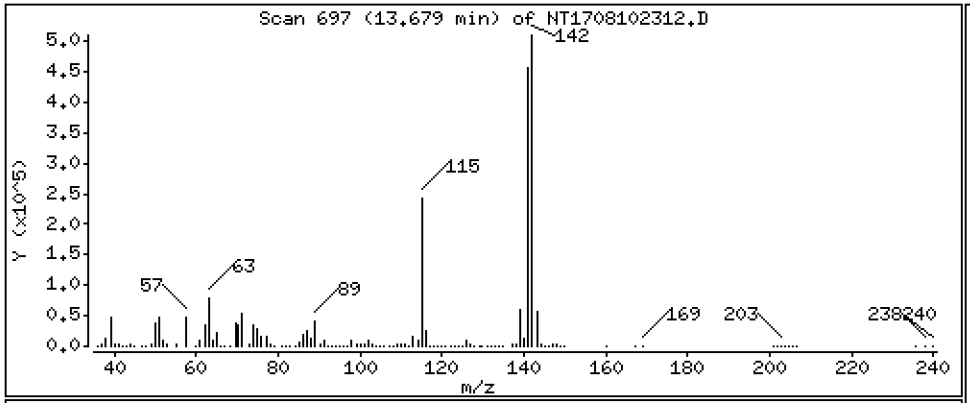
Operator: JGR

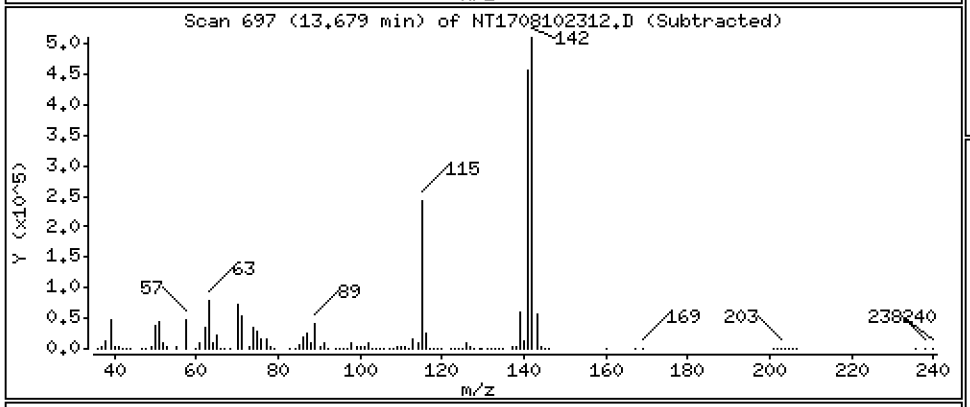
Column phase: ZB-5msi

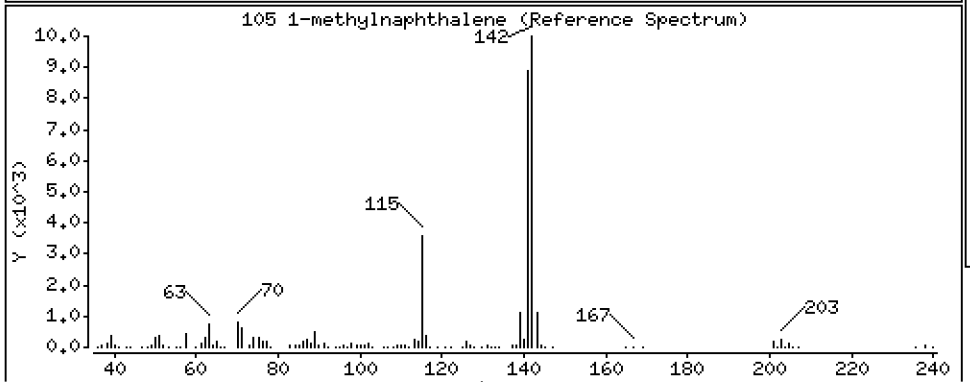
Column diameter: 0.25

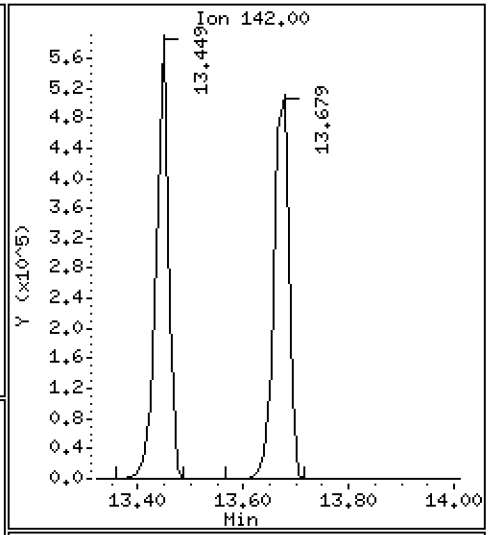
105 1-methylnaphthalene

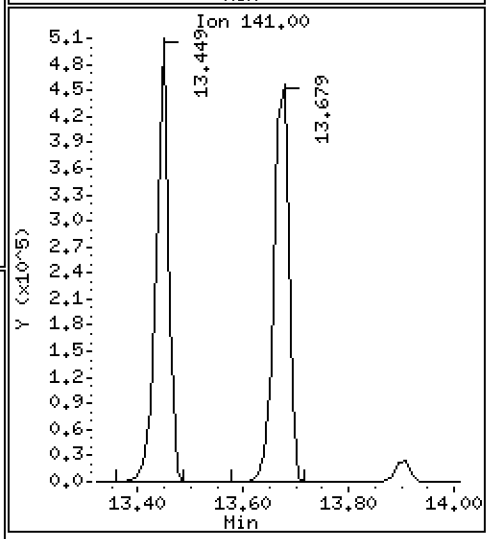
Concentration: 5.674 ug/mL











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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

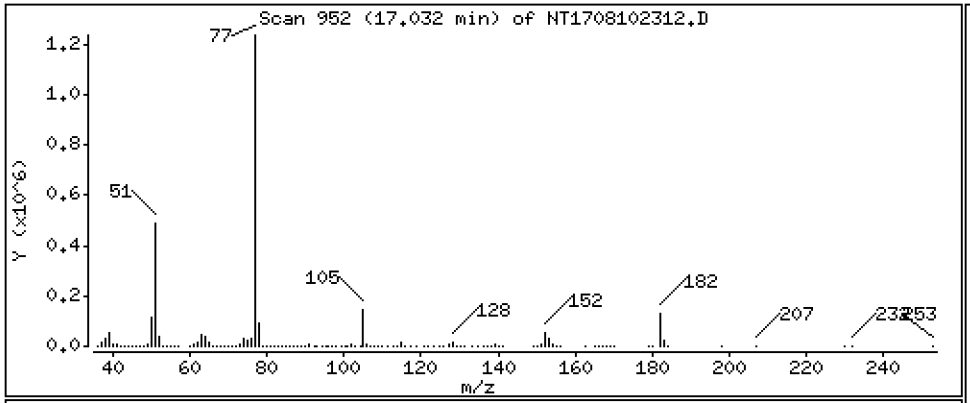
Operator: JGR

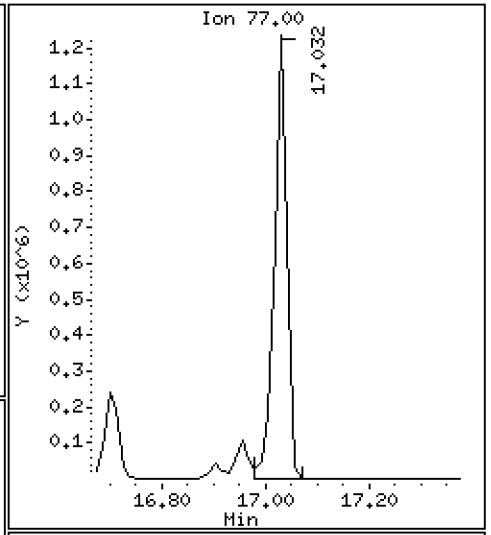
Column phase: ZB-5msi

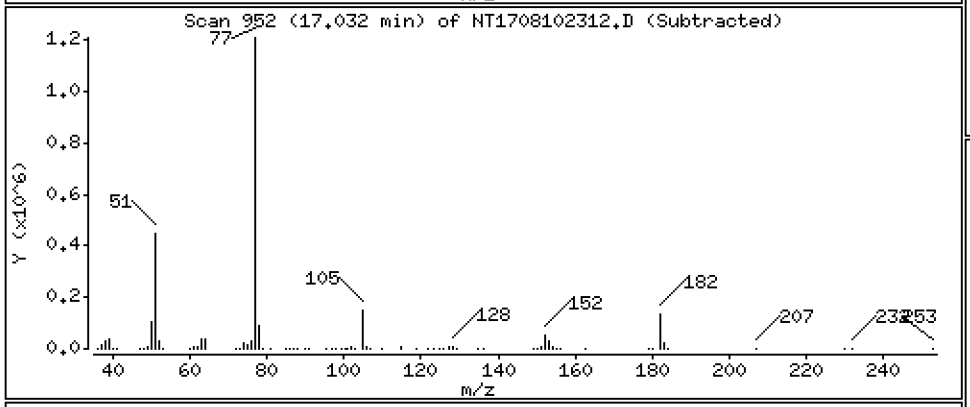
Column diameter: 0.25

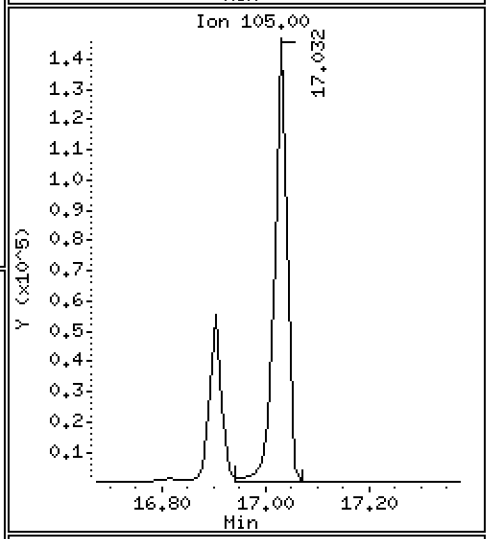
111 Azobenzene (1,2-DP-Hydrazine)

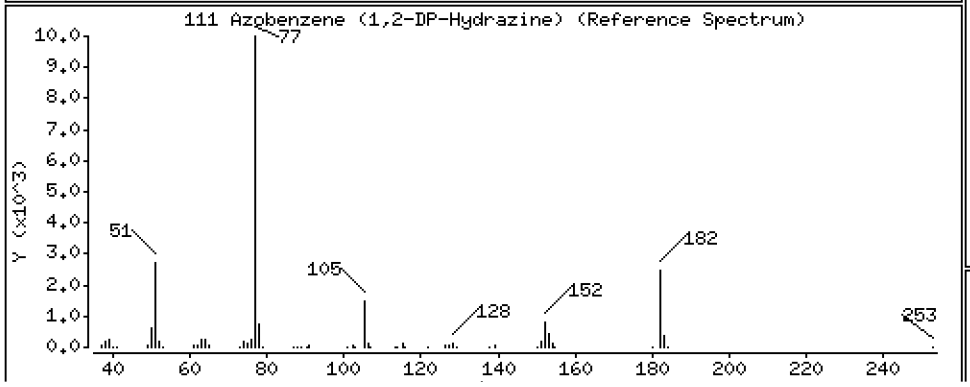
Concentration: 5.785 ug/mL

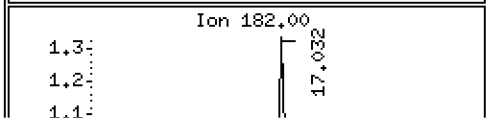












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

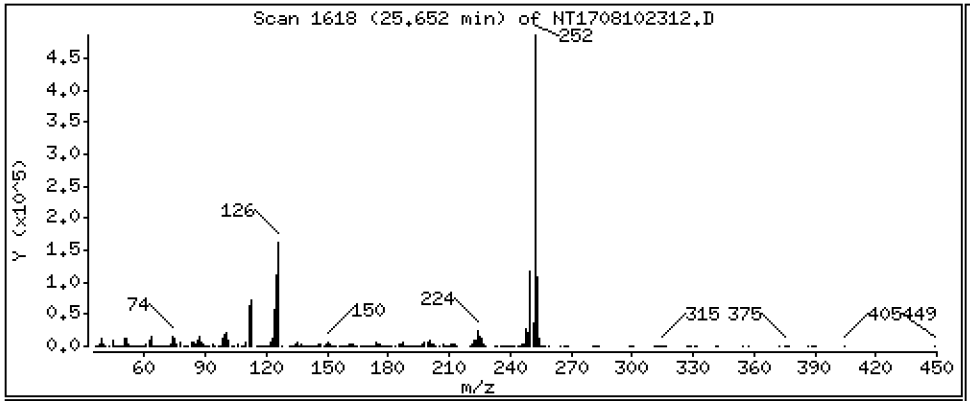
Operator: JGR

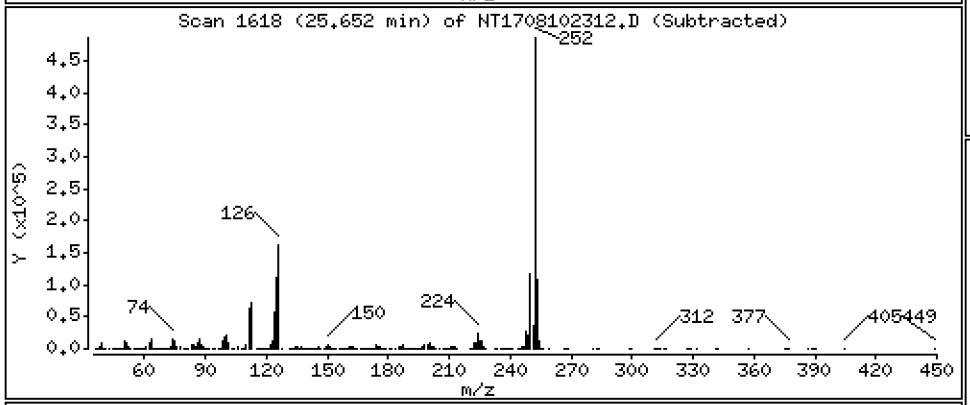
Column phase: ZB-5msi

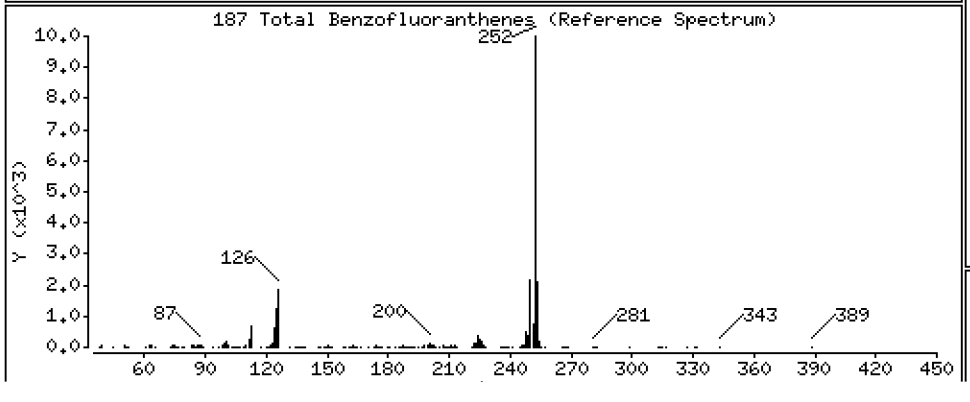
Column diameter: 0.25

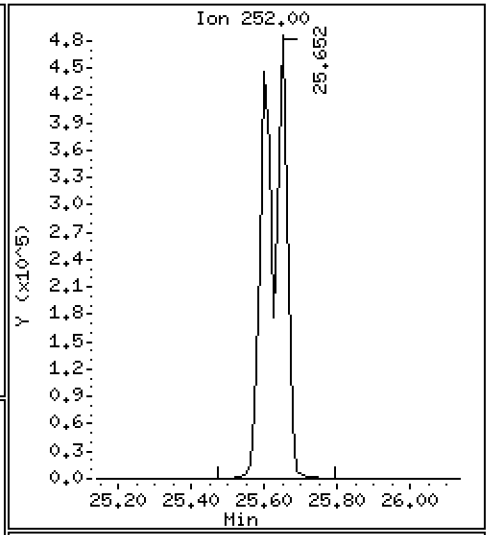
187 Total Benzofluoranthenes

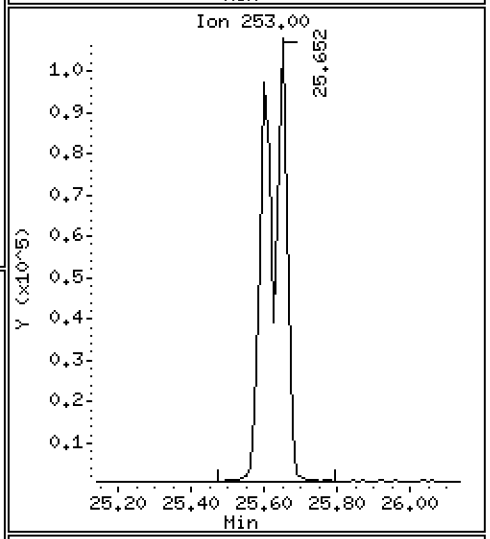
Concentration: 11.15 ug/mL

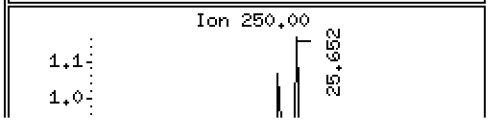












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

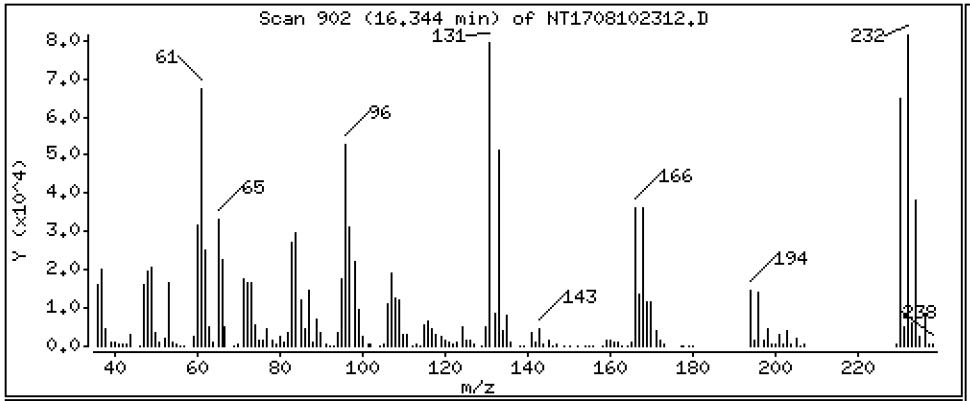
Operator: JGR

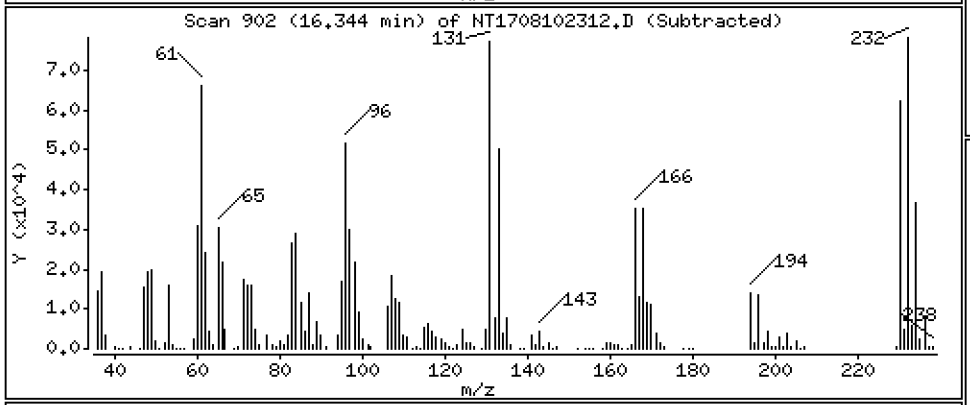
Column phase: ZB-5msi

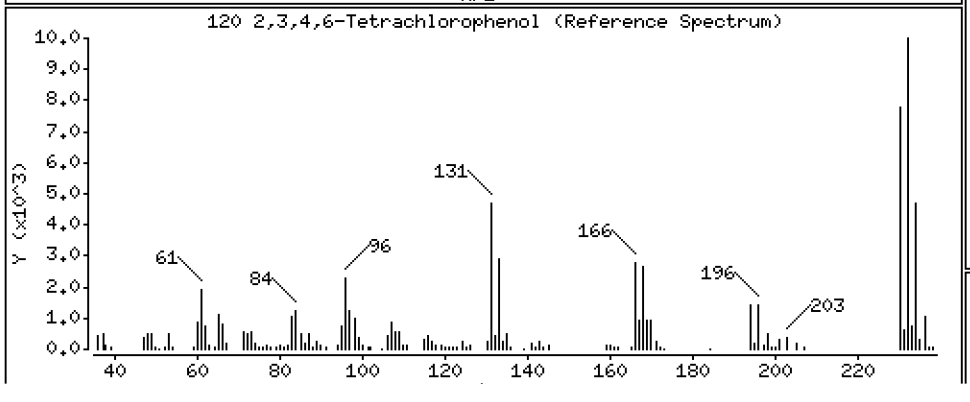
Column diameter: 0.25

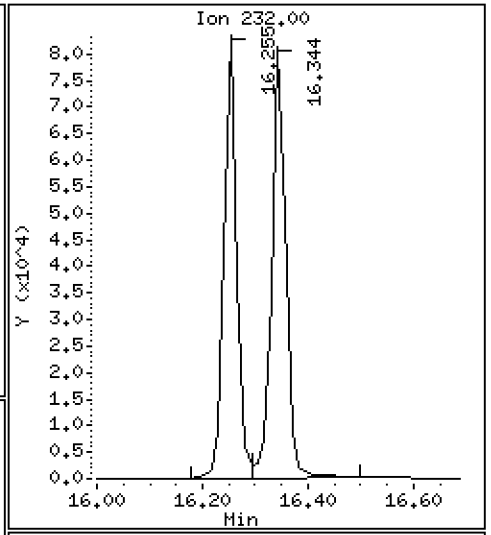
120 2,3,4,6-Tetrachlorophenol

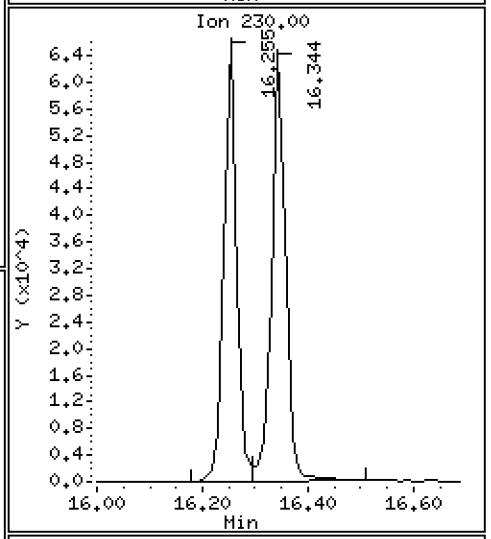
Concentration: 4.947 ug/mL

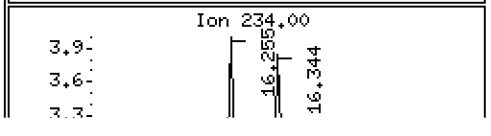












ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D
Lab Smp Id: SEQ-SCV1
Inj Date : 10-AUG-2023 18:45
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-SCV1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt17.i\20230810.b\ABN.m
Meth Date : 17-Aug-2023 08:14 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:16 Cal File: NT1708102308.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
$ 1	2-Fluorophenol	112	Compound Not Detected.					
$ 2	Phenol-d5	99	Compound Not Detected.					
3	Phenol	94	8.881	8.880	(0.932)	853825	5.37443	5.374
$ 5	2-Chlorophenol-d4	132	Compound Not Detected.					
4	Bis(2-Chloroethyl)ether	93	9.072	9.071	(0.952)	751787	5.80678	5.807
6	2-Chlorophenol	128	9.199	9.199	(0.965)	509405	5.34930	5.349
7	1,3-Dichlorobenzene	146	9.467	9.467	(0.993)	522205	5.18488	5.185
* 8	1,4-Dichlorobenzene-d4	152	9.531	9.531	(1.000)	238152	4.00000	
9	1,4-Dichlorobenzene	146	9.569	9.569	(1.004)	513062	5.26606	5.266
$ 10	1,2-Dichlorobenzene-d4	152	Compound Not Detected.					
12	1,2-Dichlorobenzene	146	9.927	9.927	(1.042)	497837	5.22843	5.228
11	Benzyl alcohol	108	9.786	9.786	(1.027)	408476	5.67234	5.672
14	2,2'-oxybis(1-Chloropropane)	121	10.093	10.080	(1.059)	198858	6.24065	6.241
13	2-Methylphenol	108	10.004	10.003	(1.050)	495003	4.79255	4.793
17	Hexachloroethane	117	10.515	10.514	(1.103)	277859	5.52590	5.526
16	N-Nitroso-di-n-propylamine	70	10.349	10.348	(1.086)	689905	5.81178	5.812
15	4-Methylphenol	108	10.272	10.259	(1.078)	677770	4.63770	4.638
$ 18	Nitrobenzene-d5	82	Compound Not Detected.					

	19	Nitrobenzene	77	10.668	10.668	(0.887)	922720	5.52906	5.529
	20	Isophorone	82	11.102	11.102	(0.924)	1624844	6.31383	6.314
	21	2-Nitrophenol	139	11.294	11.294	(0.940)	238253	4.75297	4.753
	22	2,4-Dimethylphenol	107	11.307	11.306	(0.941)	473027	4.12274	4.123
	23	Bis(2-Chloroethoxy)methane	93	11.524	11.511	(0.959)	864818	6.40854	6.409
	24	Benzoic acid	105	11.485	11.396	(0.955)	732844	7.38164	7.382(M)
	25	2,4-Dichlorophenol	162	11.728	11.728	(0.976)	333365	5.68579	5.686
	26	1,2,4-Trichlorobenzene	180	11.932	11.919	(0.993)	346953	5.09211	5.092
*	27	Naphthalene-d8	136	12.021	12.021	(1.000)	999397	4.00000	
	28	Naphthalene	128	12.059	12.059	(1.003)	1533495	5.64173	5.642
	29	4-Chloroaniline	127	12.174	12.174	(1.013)	521497	4.21315	4.213
	30	Hexachlorobutadiene	225	12.403	12.403	(1.032)	162004	5.17310	5.173
	31	4-Chloro-3-methylphenol	107	13.117	13.117	(1.091)	538110	4.79816	4.798
	32	2-Methylnaphthalene	142	13.449	13.449	(1.119)	1010655	5.37027	5.370
	33	Hexachlorocyclopentadiene	237	13.908	13.908	(0.890)	186721	4.28193	4.282

		QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
Compounds								
34	2,4,6-Trichlorophenol	196	14.061	14.061	(0.900)	211027	4.37559	4.376
35	2,4,5-Trichlorophenol	196	14.125	14.125	(0.904)	224420	5.12673	5.127
$ 36	2-Fluorobiphenyl	172	Compound Not Detected.					
37	2-Chloronaphthalene	162	14.444	14.444	(0.924)	844636	5.50677	5.507
38	2-Nitroaniline	65	14.699	14.699	(0.940)	573338	4.62995	4.630
39	Dimethylphthalate	163	15.120	15.107	(0.967)	906040	5.66456	5.665
40	Acenaphthylene	152	15.324	15.311	(0.980)	1373659	5.81809	5.818
41	2,6-Dinitrotoluene	165	15.260	15.260	(0.976)	200136	5.75665	5.757
* 42	Acenaphthene-d10	164	15.630	15.630	(1.000)	458301	4.00000	
43	3-Nitroaniline	138	15.553	15.540	(0.995)	243386	4.28419	4.284
44	Acenaphthene	153	15.693	15.693	(1.004)	855058	5.76800	5.768
45	2,4-Dinitrophenol	184	15.757	15.757	(1.008)	66543	3.26759	3.268
46	Dibenzofuran	168	16.012	16.012	(1.024)	1088783	5.40736	5.407
47	4-Nitrophenol	109	15.834	15.833	(1.013)	184396	4.55597	4.556
48	2,4-Dinitrotoluene	165	16.076	16.063	(1.029)	260979	4.76165	4.762
50	Diethylphthalate	149	16.560	16.560	(1.060)	995420	4.84838	4.848
49	Fluorene	166	16.726	16.726	(1.070)	896893	5.56490	5.565
51	4-Chlorophenyl-phenylether	204	16.713	16.700	(1.069)	416370	5.71968	5.720
52	4-Nitroaniline	138	16.815	16.815	(1.076)	232986	5.12698	5.127
53	4,6-Dinitro-2-methylphenol	198	16.904	16.904	(0.906)	107002	3.71892	3.719
54	N-Nitrosodiphenylamine	169	16.955	16.955	(0.909)	609701	5.25249	5.252
$ 55	2,4,6-Tribromophenol	330	Compound Not Detected.					
56	4-Bromophenyl-phenylether	248	17.706	17.705	(0.949)	177638	5.56587	5.566
57	Hexachlorobenzene	284	18.037	18.037	(0.967)	175467	4.98567	4.986
58	Pentachlorophenol	266	18.381	18.394	(0.985)	102188	4.90302	4.903
* 59	Phenanthrene-d10	188	18.662	18.662	(1.000)	768042	4.00000	
60	Phenanthrene	178	18.713	18.700	(1.003)	1217609	5.48433	5.484
61	Anthracene	178	18.802	18.802	(1.008)	1033794	5.19179	5.192
62	Carbazole	167	19.121	19.121	(1.025)	964829	4.70797	4.708
63	Di-n-butylphthalate	149	19.873	19.860	(1.065)	1803987	4.88629	4.886
64	Fluoranthene	202	21.059	21.059	(0.891)	1291281	6.14066	6.141
65	Pyrene	202	21.480	21.480	(0.908)	1290184	5.87262	5.873
$ 66	Terphenyl-d14	244	Compound Not Detected.					
67	Butylbenzylphthalate	149	22.641	22.641	(0.957)	807112	5.34587	5.346
68	Benzo(a)anthracene	228	23.610	23.610	(0.998)	1064047	5.38404	5.384
* 69	Chrysene-d12	240	23.649	23.636	(1.000)	513664	4.00000	
70	3,3'-Dichlorobenzidine	252	23.559	23.559	(0.996)	651023	11.0516	11.05
71	Chrysene	228	23.687	23.687	(1.002)	940459	5.55666	5.557
72	bis(2-Ethylhexyl)phthalate	149	23.636	23.636	(0.959)	1175166	5.56131	5.561
* 134	Di-n-octylphthalate-d4	153	24.644	24.643	(1.000)	1284068	4.00000	

	73	Di-n-octylphthalate	149	24.656	24.656	(1.001)	1942342	5.60048	5.600
	74	Benzo(b)fluoranthene	252	25.600	25.600	(0.968)	1012738	4.67085	4.671
	75	Benzo(k)fluoranthene	252	25.651	25.638	(0.970)	993893	5.40805	5.408
	76	Benzo(a)pyrene	252	26.328	26.315	(0.995)	863816	5.20063	5.201
*	77	Perylene-d12	264	26.455	26.442	(1.000)	497389	4.00000	
	78	Indeno(1,2,3-cd)pyrene	276	29.419	29.380	(1.112)	968437	4.76498	4.765
	79	Dibenzo(a,h)anthracene	278	29.419	29.393	(1.112)	812204	4.55302	4.553
	80	Benzo(g,h,i)perylene	276	30.288	30.262	(1.145)	775552	5.56629	5.566(M)
	90	N-Nitrosodimethylamine	74	5.211	5.198	(0.547)	623091	5.57611	5.576
	91	Aniline	93	Compound Not Detected.					
	93	Benzidine	184	21.276	21.276	(0.900)	207672	2.02581	2.026
	103	Pyridine	79	5.224	5.224	(0.548)	858478	5.37379	5.374
	105	1-methylnaphthalene	142	13.678	13.666	(1.138)	979212	5.67422	5.674
	111	Azobenzene (1,2-DP-Hydrazine)	77	17.031	17.031	(1.090)	2019978	5.78472	5.785

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.651	25.638	(0.970)	1892523	11.1455	11.15
120 2,3,4,6-Tetrachlorophenol	232	16.343	16.343	(1.046)	166955	4.94743	4.947

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102312.D
Lab Smp Id: SEQ-SCV1
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\ABN.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 13:47
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	270862	135431	541724	238152	-12.08
27 Naphthalene-d8	1109588	554794	2219176	999397	-9.93
42 Acenaphthene-d10	499186	249593	998372	458301	-8.19
59 Phenanthrene-d10	798865	399433	1597730	768042	-3.86
69 Chrysene-d12	542628	271314	1085256	513664	-5.34
134 Di-n-octylphthala	1404894	702447	2809788	1284068	-8.60
77 Perylene-d12	520366	260183	1040732	497389	-4.42

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.53	9.03	10.03	9.53	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.66	0.00
69 Chrysene-d12	23.65	23.15	24.15	23.65	0.00
134 Di-n-octylphthala	24.64	24.14	25.14	24.64	0.00
77 Perylene-d12	26.46	25.96	26.96	26.46	0.00

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

REVIEW SUMMARY FOR FILE - NT1708102312.D

Lab ID: SEQ-SCV1
nt17.i, ABN.m, 10-AUG-2023 18:45

RT	CO-ELUTION COMPOUNDS
29.419	Indeno(1,2,3-cd)pyrene and Dibenzo(a,h)anthracene
29.419	Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene

** FIRST SURROGATE NOT FOUND. ICAL Check not performed **

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.955	0.948	0.0074	Benzoic acid

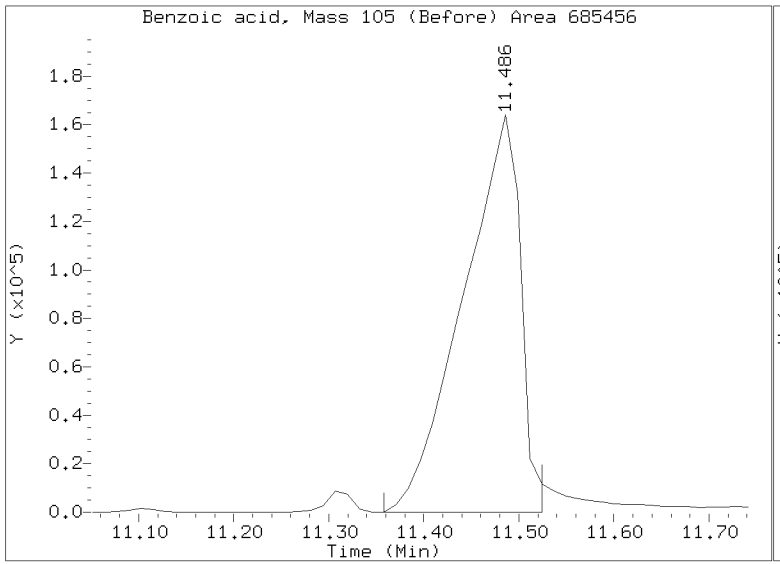
RRT check based on Ccal File: NT1708102308.D

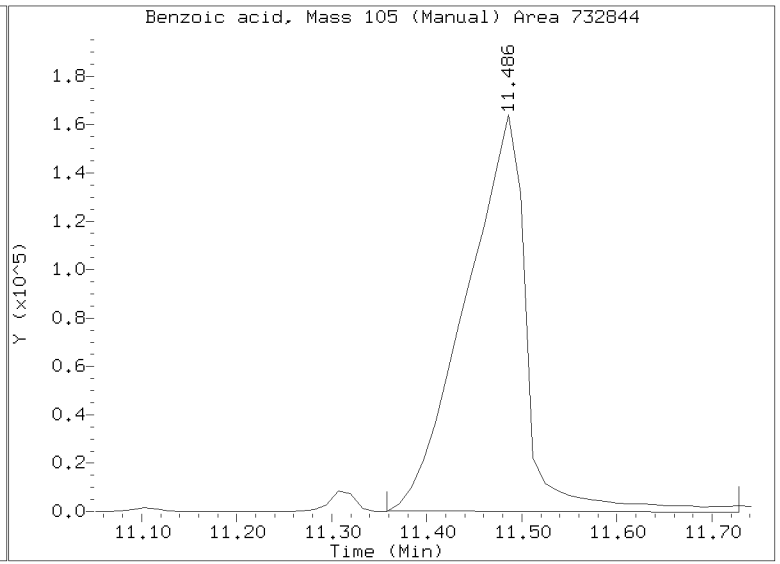
On Column LOD for nt17.i, ABN.m, ICAL.sub = 0.0000

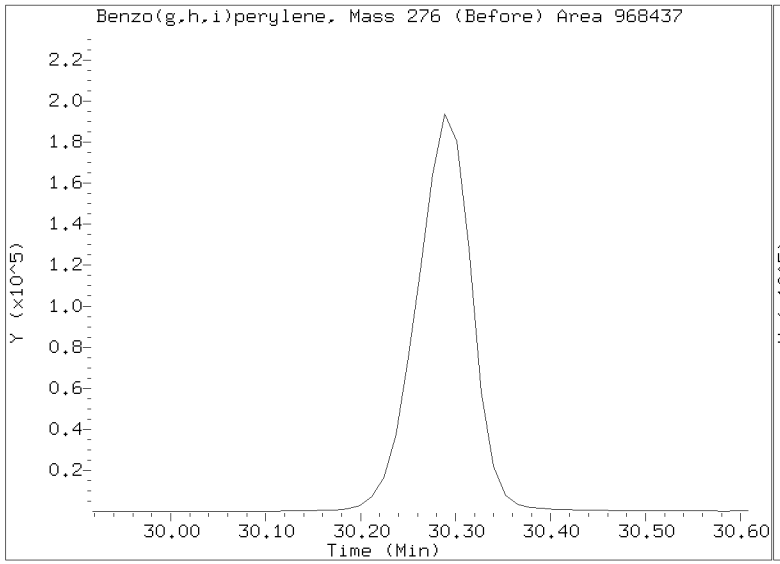
* Only compounds listed in the work order have been verified by the analyst *

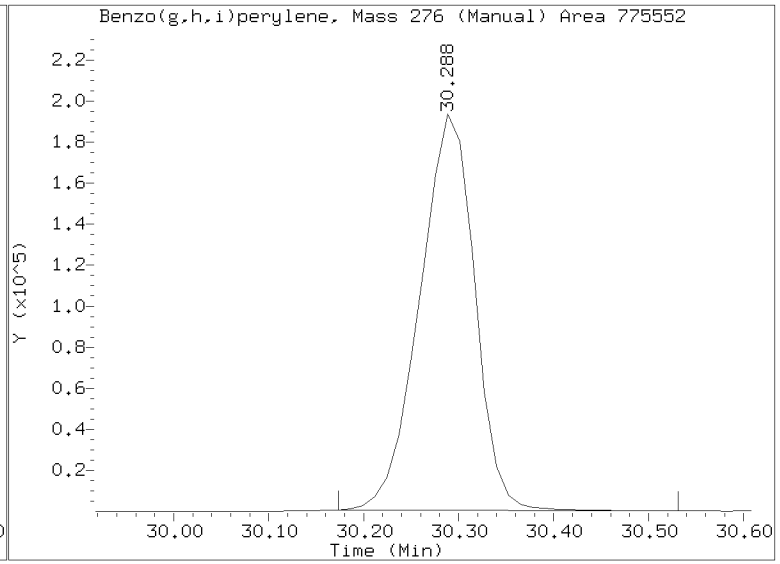
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230810.b/NT1708102312.D
Injection Date: 10-AUG-2023 18:45
Lab ID:SEQ-SCV1 Client ID:
Report Date: 08/17/2023 08:14









SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: Analytical Resources, LLC
SDG: 23H0221
Client: Anchor QEA, LLC
Project: AOC5 MR Phase 1
Calibration: GH00044
Laboratory ID: SLH0216-SCV1
Sequence: SLH0216
Standard ID: L008791

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DRIFT	QC LIMIT
Phenol	5.0000	5.4	7.5	20.00
4-Methylphenol	5.0000	4.6	-7.2	20.00
Naphthalene	5.0000	5.6	12.8	20.00
2-Methylnaphthalene	5.0000	5.4	7.4	20.00
Acenaphthylene	5.0000	5.8	16.4	20.00
Dimethylphthalate	5.0000	5.7	13.3	20.00
Acenaphthene	5.0000	5.8	15.4	20.00
Dibenzofuran	5.0000	5.4	8.1	20.00
Fluorene	5.0000	5.6	11.3	20.00
Phenanthrene	5.0000	5.5	9.7	20.00
Anthracene	5.0000	5.2	3.8	20.00
Fluoranthene	5.0000	6.1	22.8	20.00
Pyrene	5.0000	5.9	17.5	20.00
Butylbenzylphthalate	5.0000	5.3	6.9	20.00
Benzo(a)anthracene	5.0000	5.4	7.7	20.00
Chrysene	5.0000	5.6	11.1	20.00
bis(2-Ethylhexyl)phthalate	5.0000	5.6	11.2	20.00
Benzofluoranthenes, Total	10.000	11.1	11.5	20.00
Benzo(a)pyrene	5.0000	5.2	4.0	20.00
Indeno(1,2,3-cd)pyrene	5.0000	4.8	-4.7	20.00
Dibenzo(a,h)anthracene	5.0000	4.6	-8.9	20.00
Benzo(g,h,i)perylene	5.0000	5.6	11.3	20.00

* Values outside of QC limits

Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

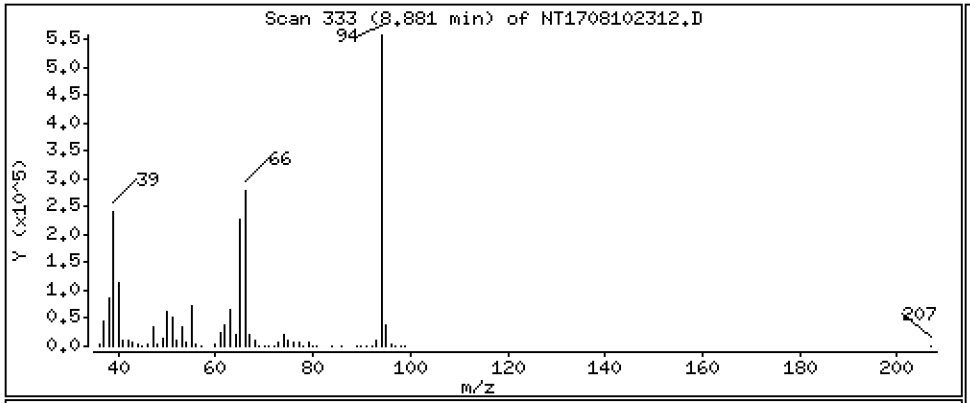
Operator: JGR

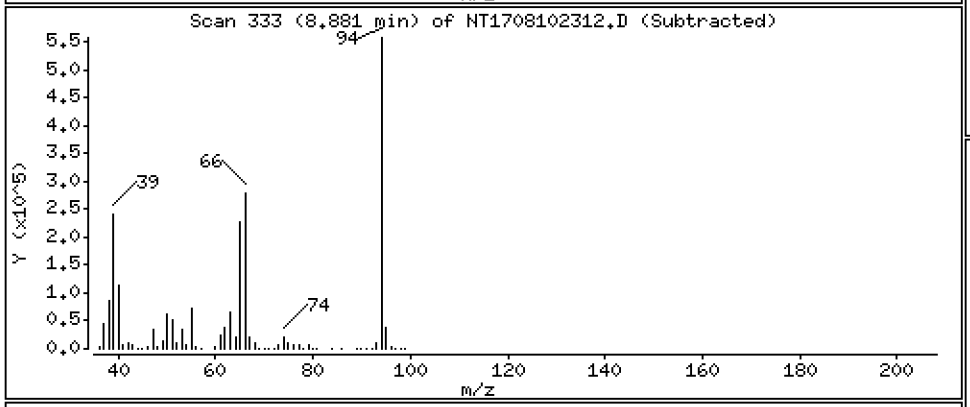
Column phase: ZB-5msi

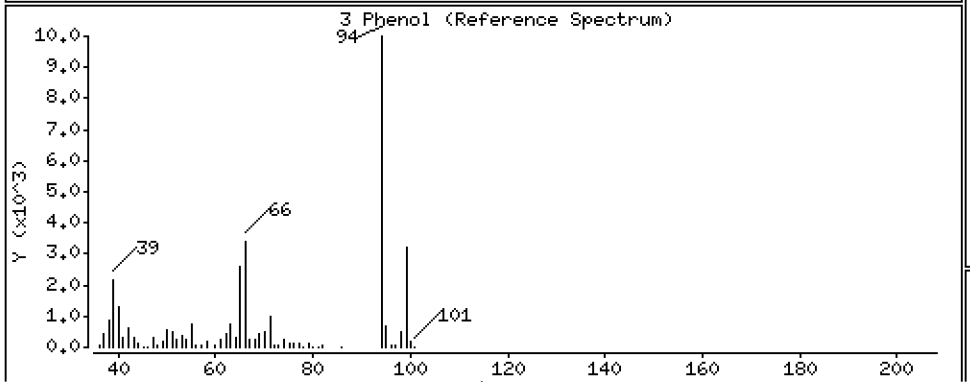
Column diameter: 0.25

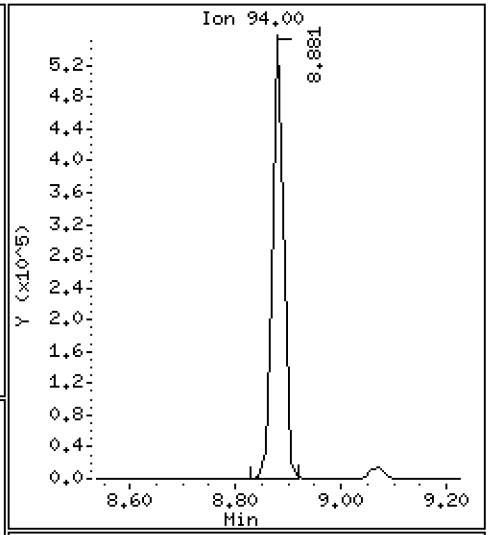
3 Phenol

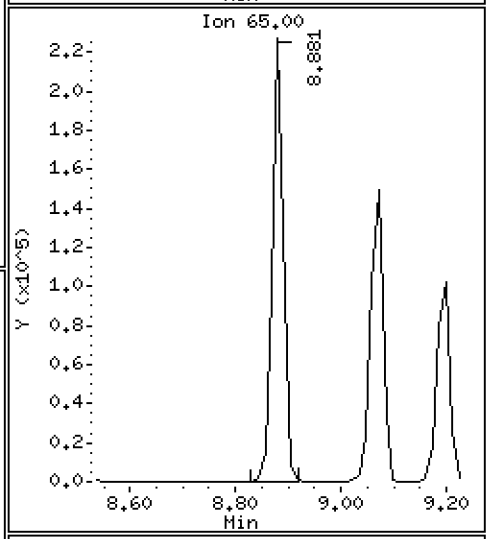
Concentration: 5.374 ug/mL

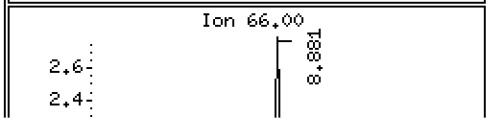












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

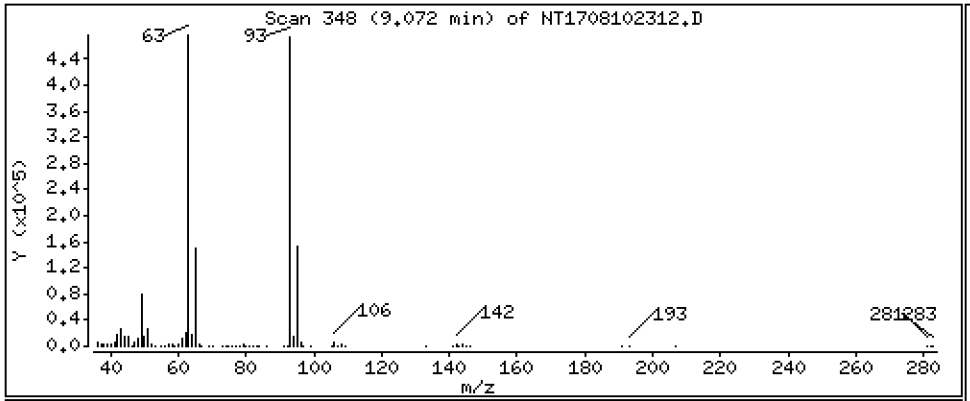
Operator: JGR

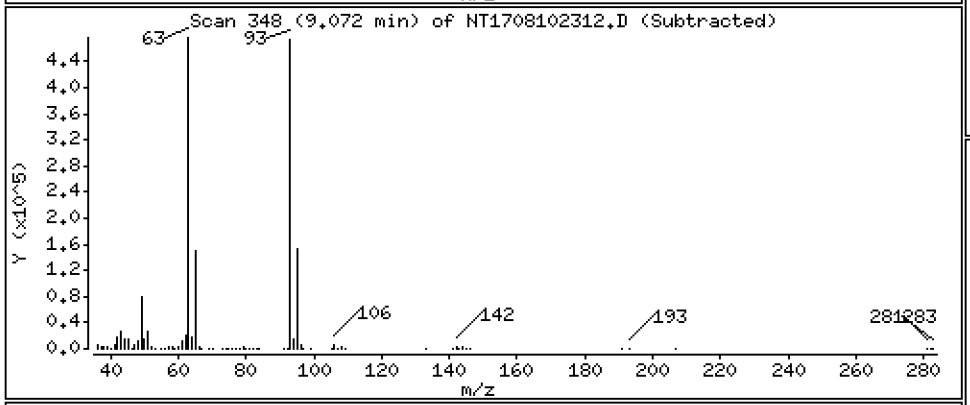
Column phase: ZB-5msi

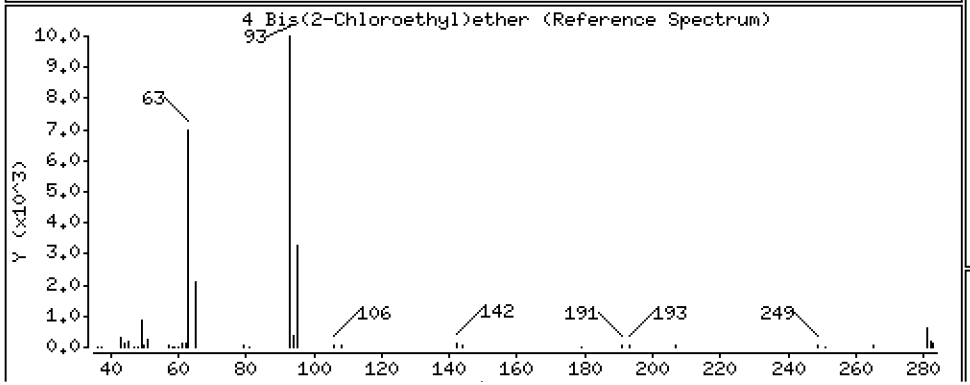
Column diameter: 0.25

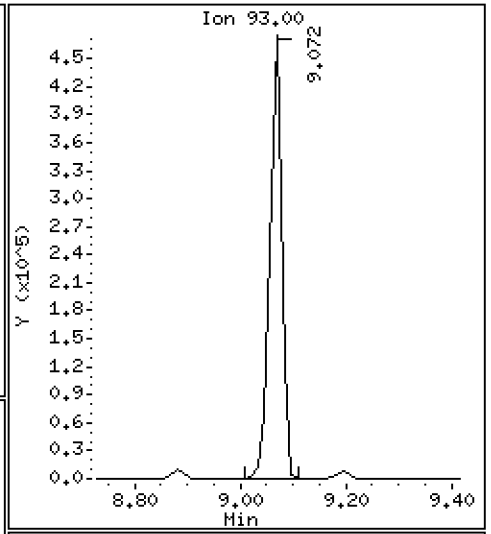
4 Bis(2-Chloroethyl)ether

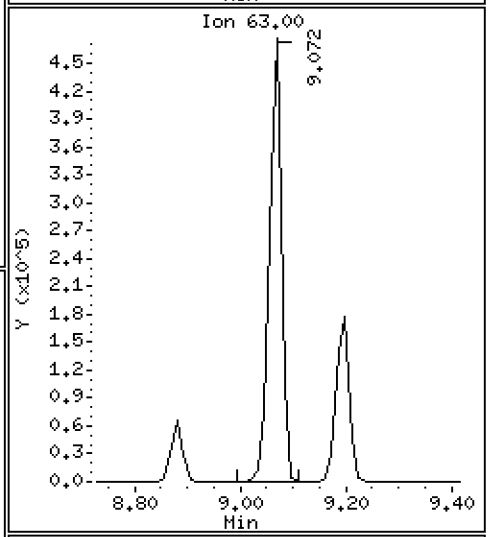
Concentration: 5.807 ug/mL

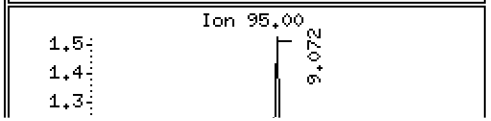












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

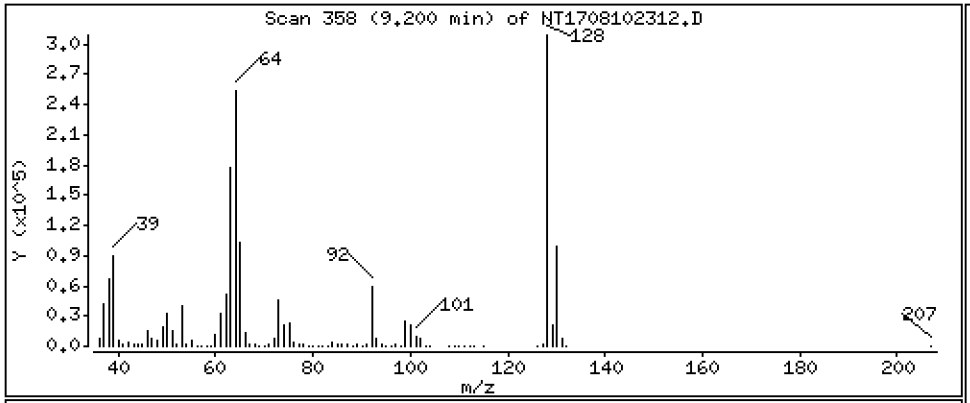
Operator: JGR

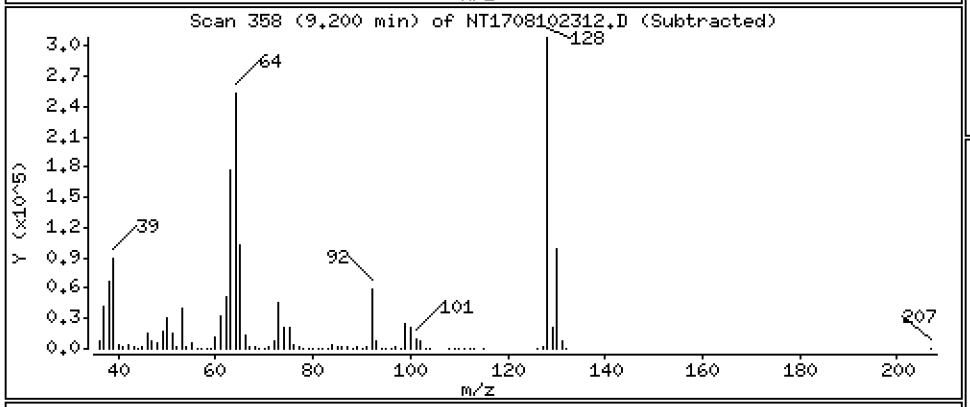
Column phase: ZB-5msi

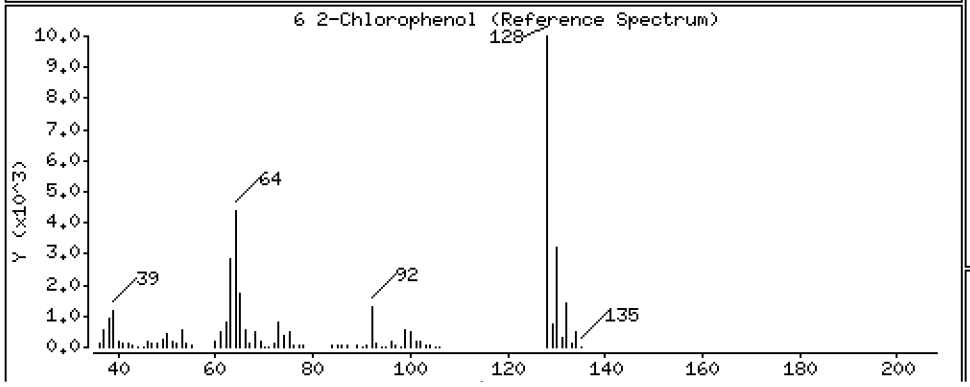
Column diameter: 0.25

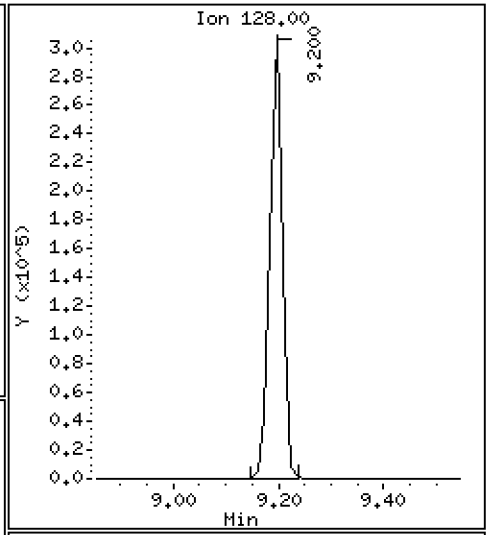
6 2-Chlorophenol

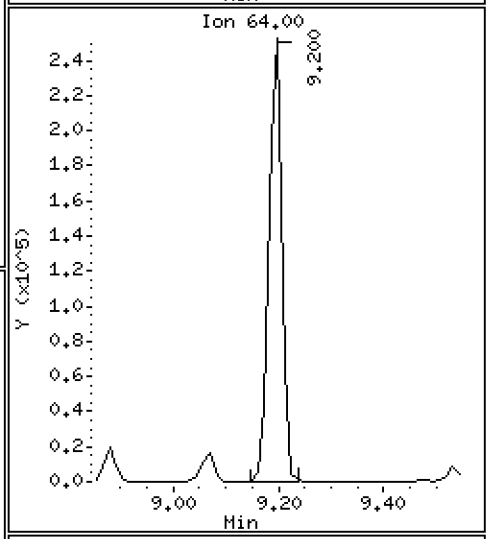
Concentration: 5.349 ug/mL

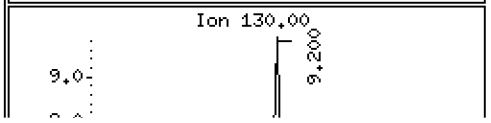












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

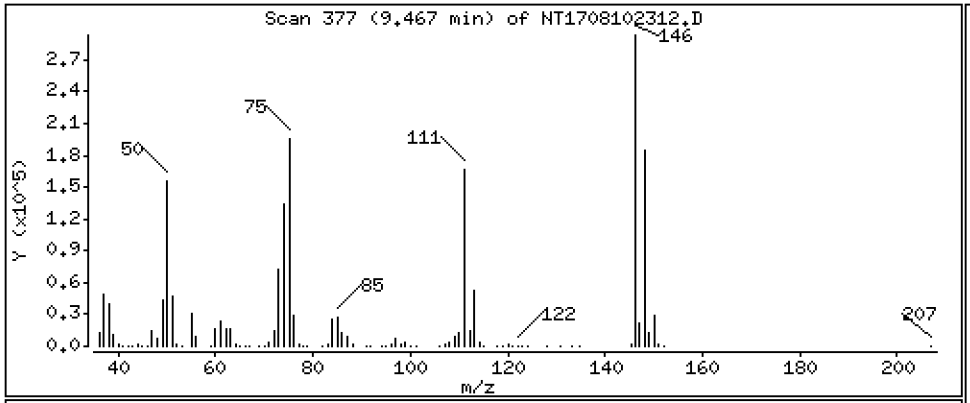
Operator: JGR

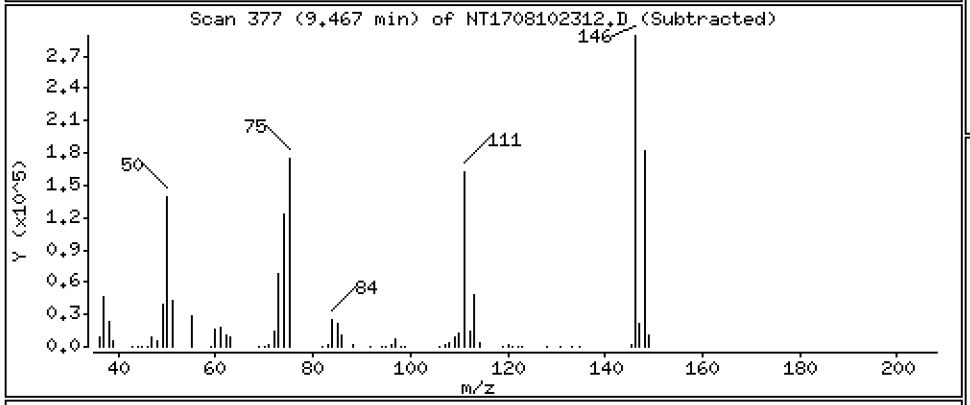
Column phase: ZB-5msi

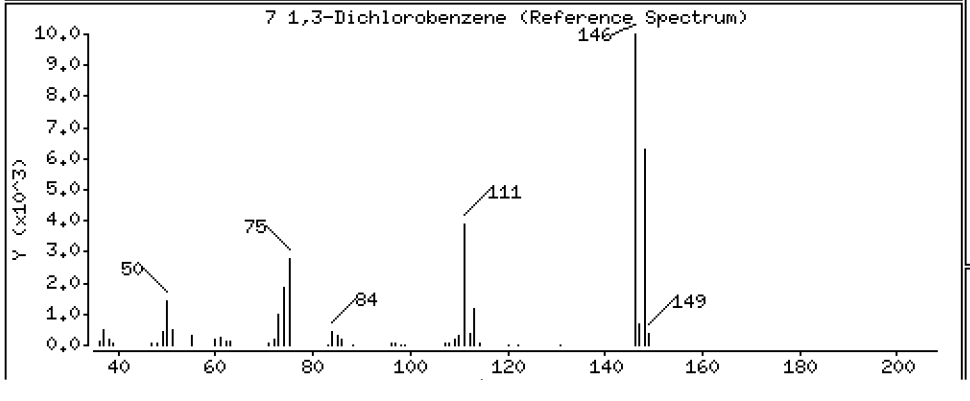
Column diameter: 0.25

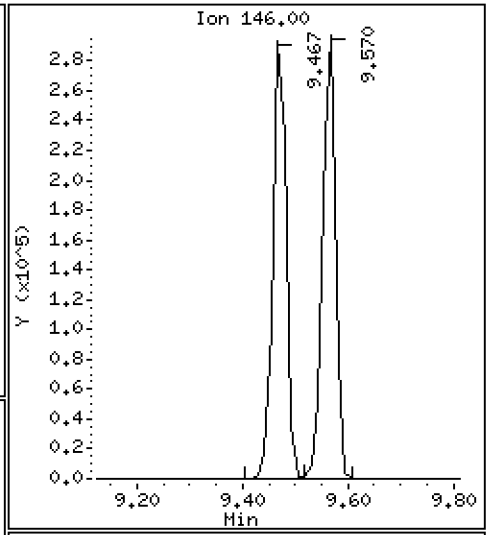
7 1,3-Dichlorobenzene

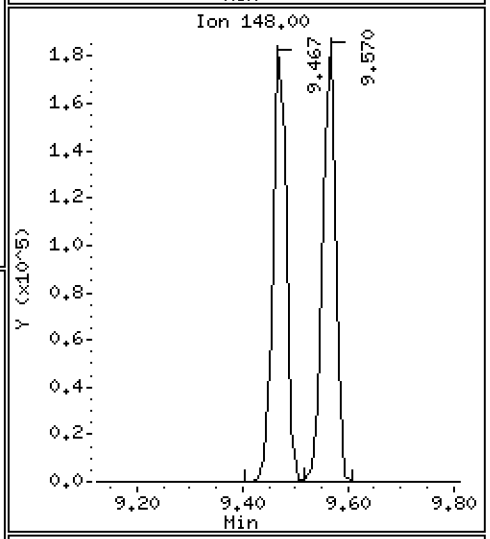
Concentration: 5.185 ug/mL

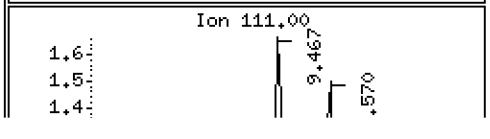












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

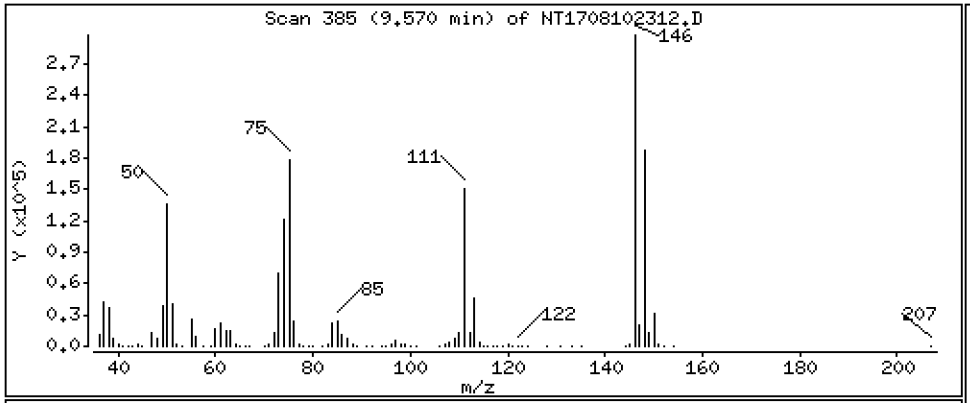
Operator: JGR

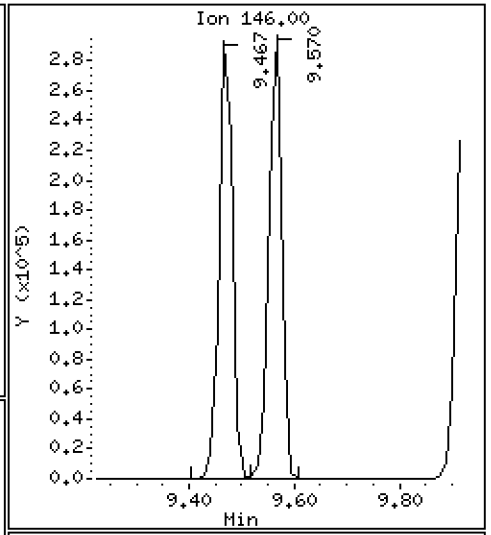
Column phase: ZB-5msi

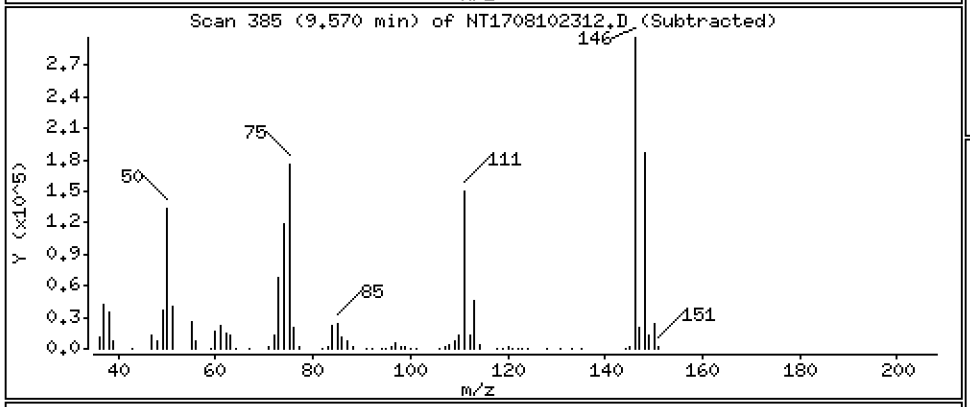
Column diameter: 0.25

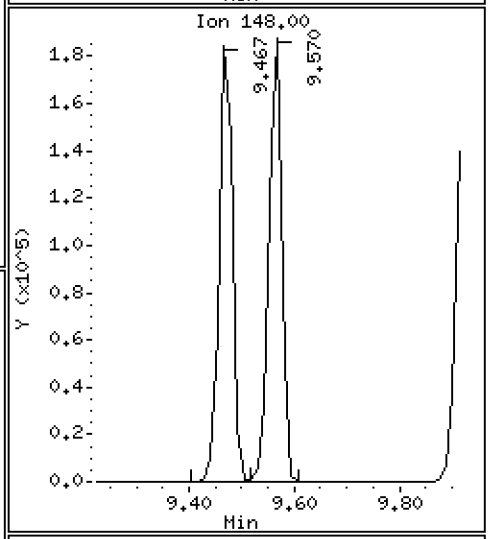
9 1,4-Dichlorobenzene

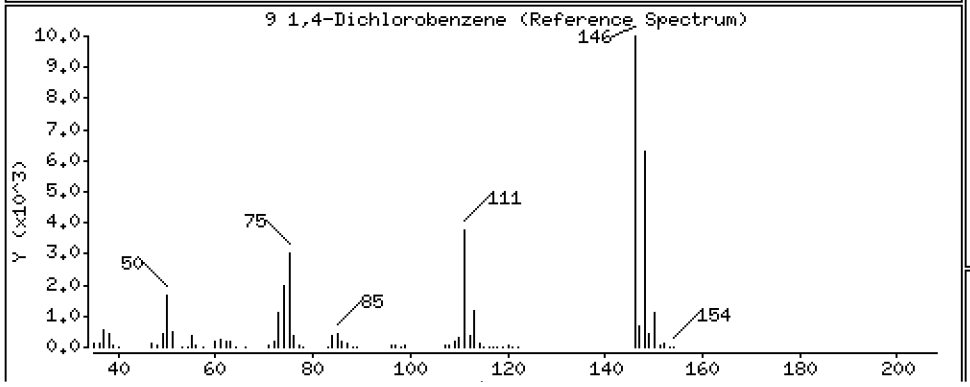
Concentration: 5.266 ug/mL

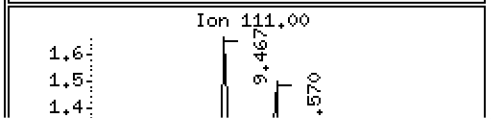












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

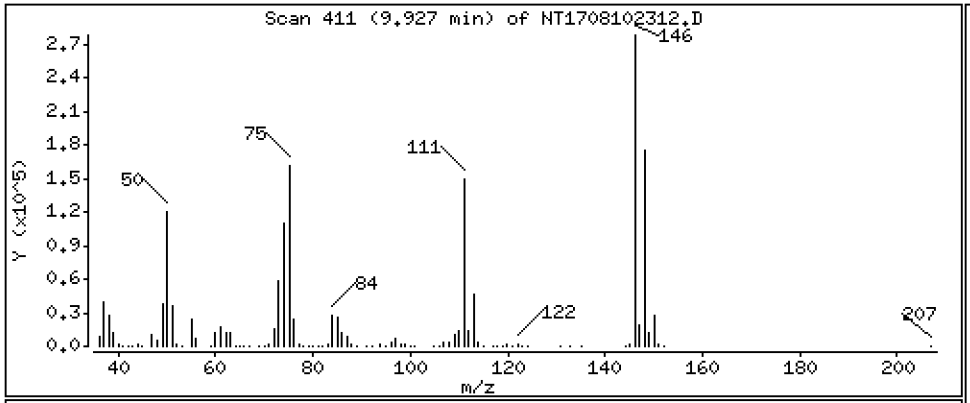
Operator: JGR

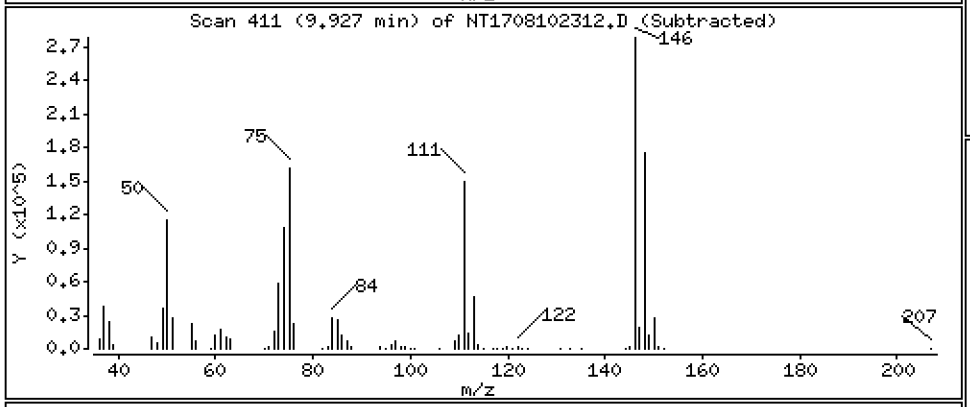
Column phase: ZB-5msi

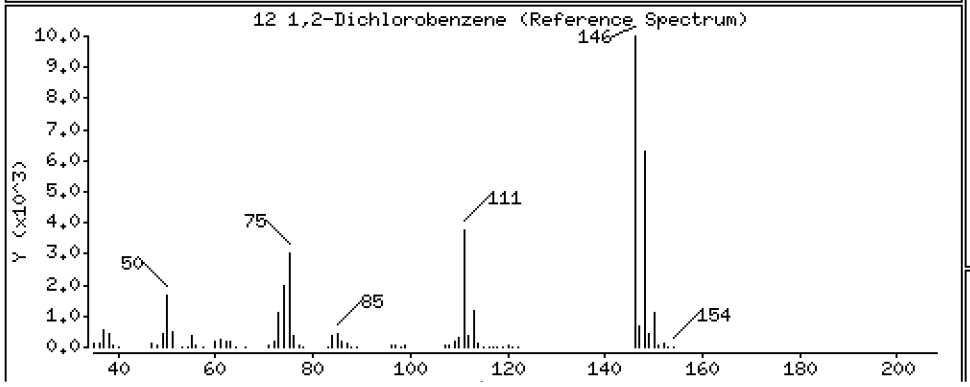
Column diameter: 0.25

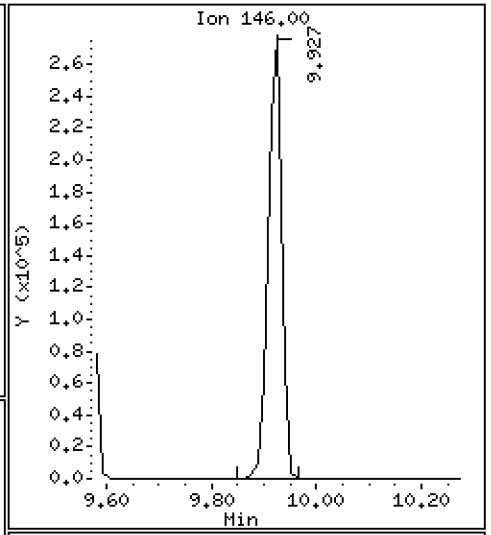
12 1,2-Dichlorobenzene

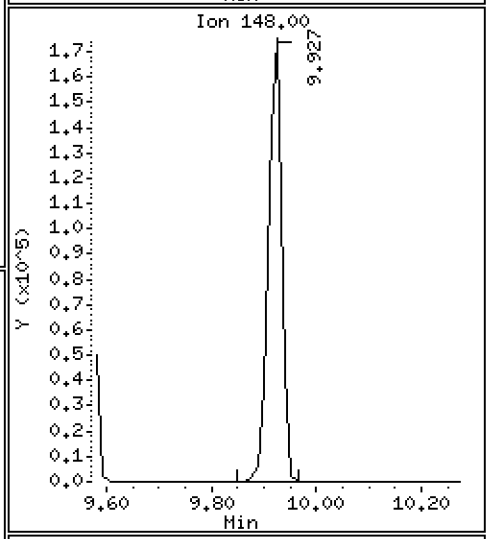
Concentration: 5.228 ug/mL

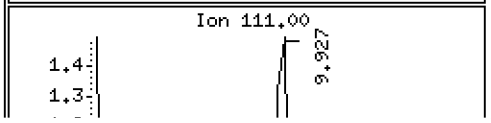












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

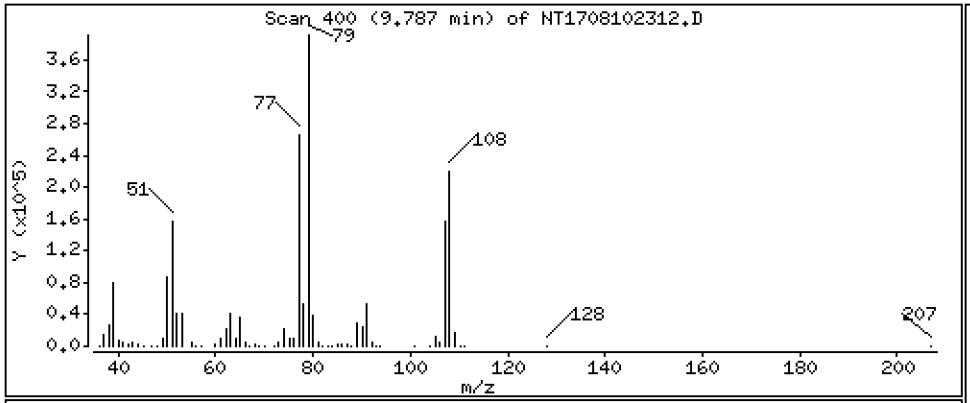
Operator: JGR

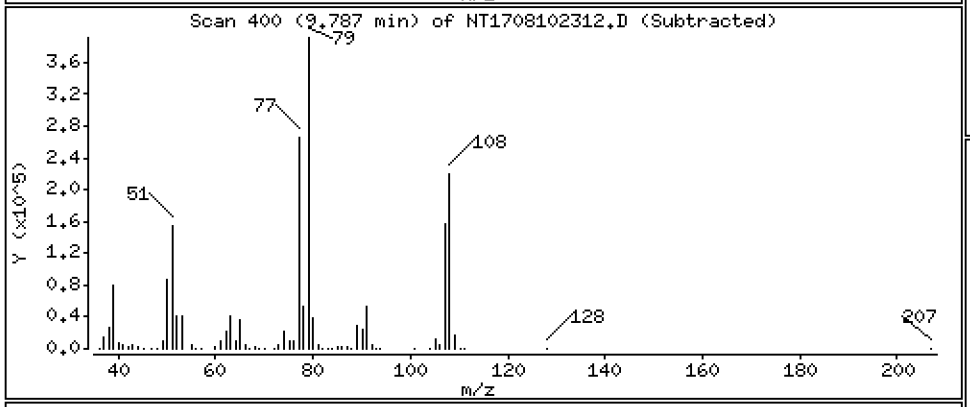
Column phase: ZB-5msi

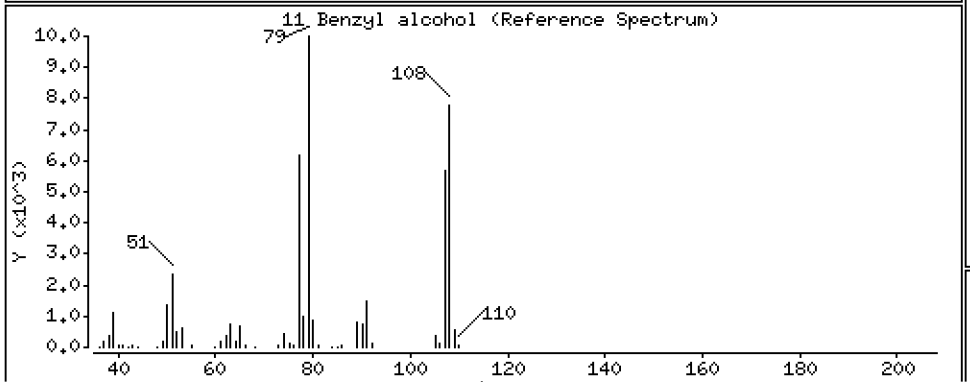
Column diameter: 0.25

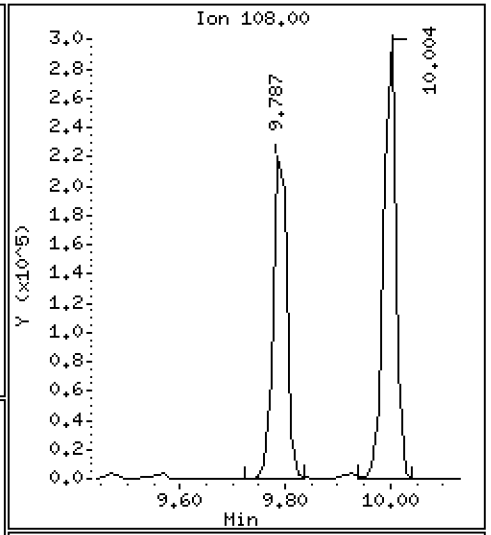
11 Benzyl alcohol

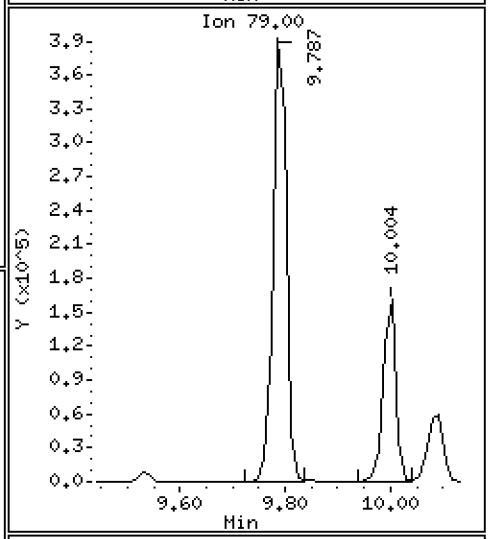
Concentration: 5.672 ug/mL

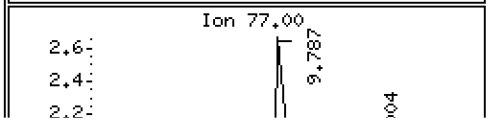












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

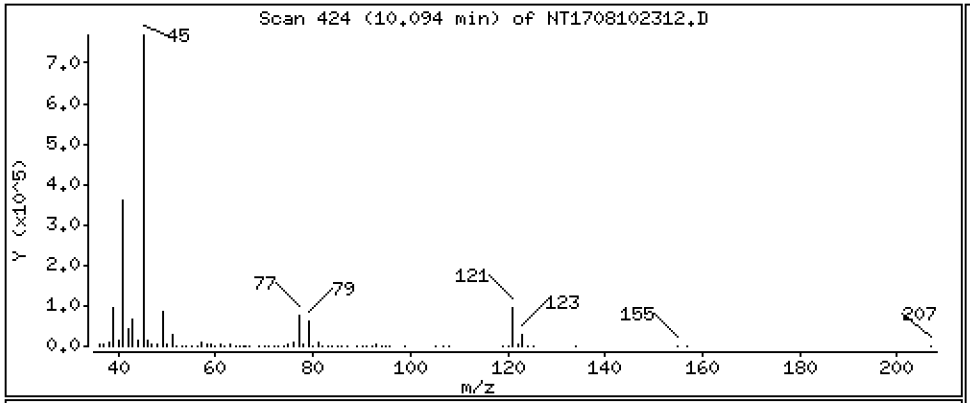
Operator: JGR

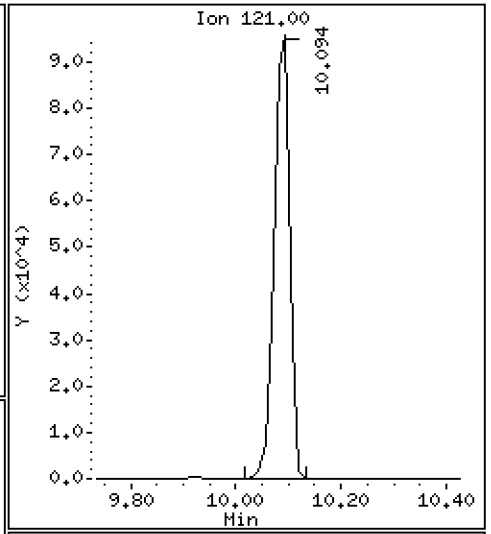
Column phase: ZB-5msi

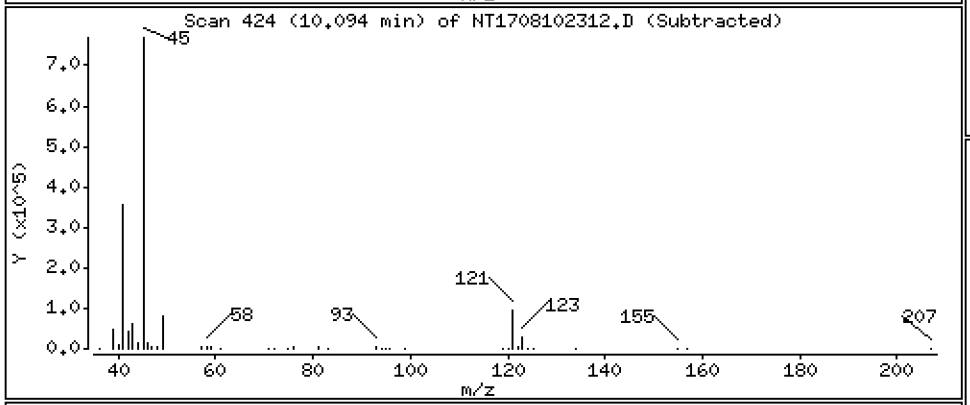
Column diameter: 0.25

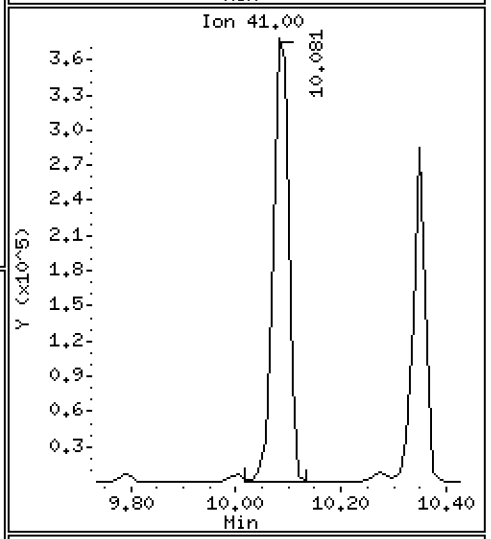
14 2,2'-oxybis(1-Chloropropane)

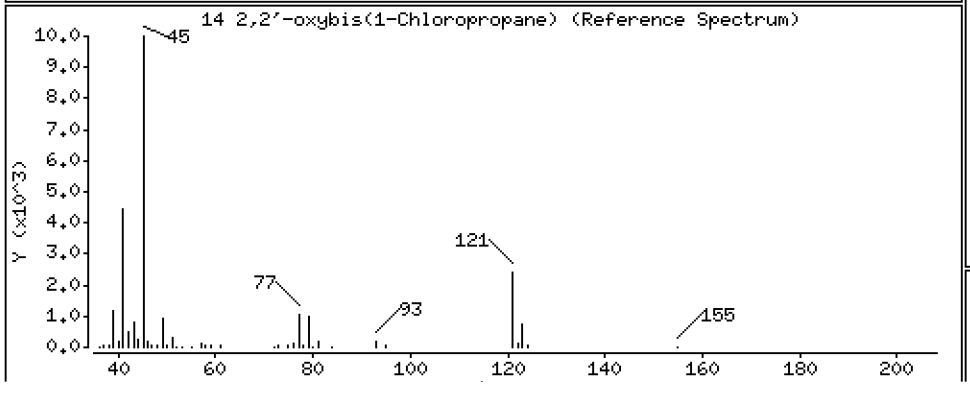
Concentration: 6.241 ug/mL

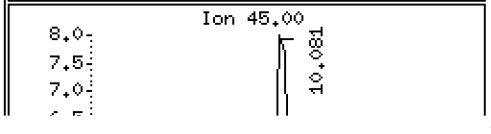












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

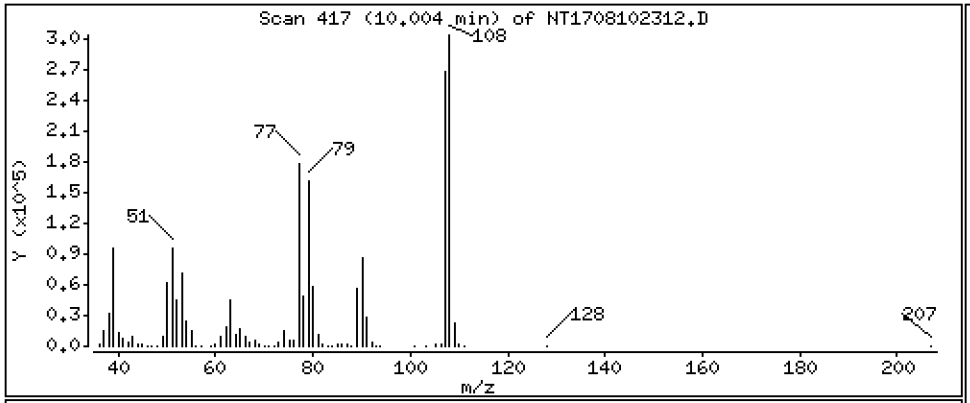
Operator: JGR

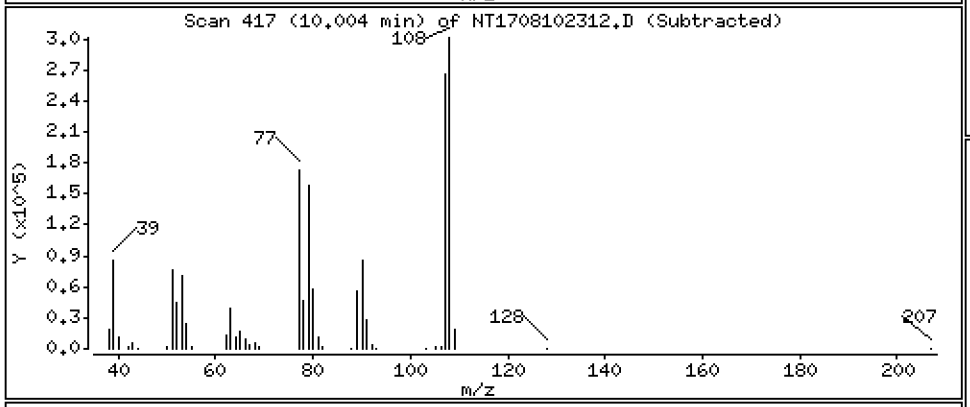
Column phase: ZB-5msi

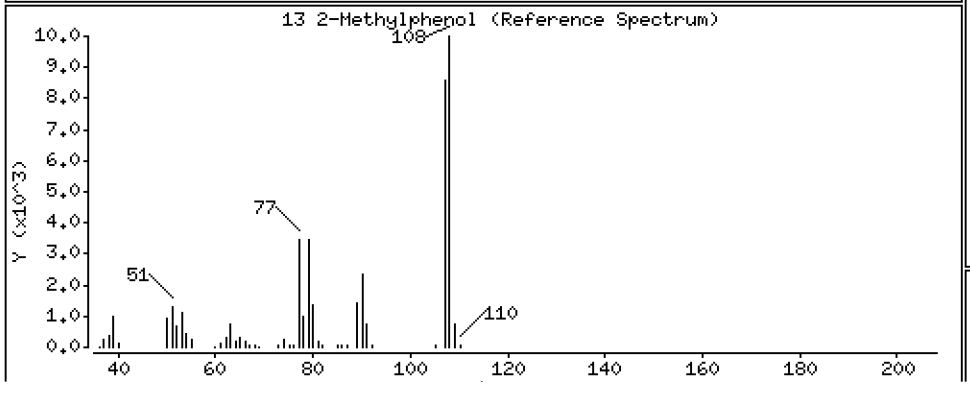
Column diameter: 0.25

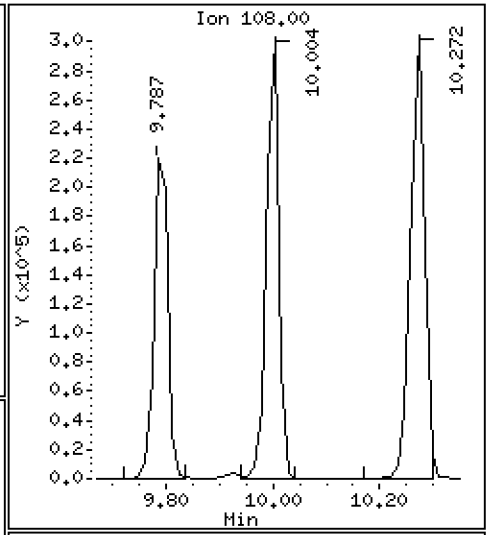
13 2-Methylphenol

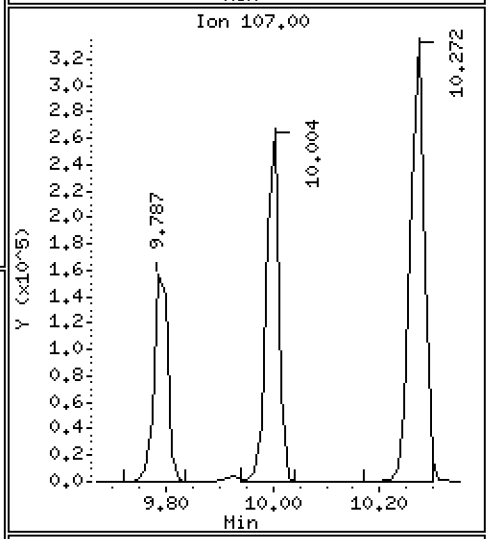
Concentration: 4.793 ug/mL

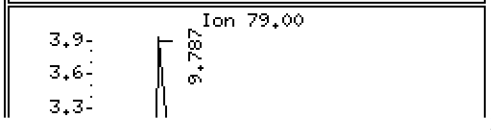












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

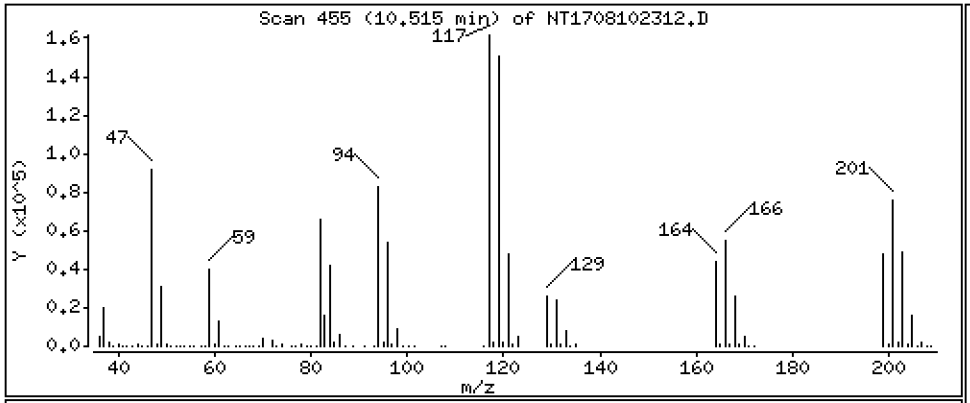
Operator: JGR

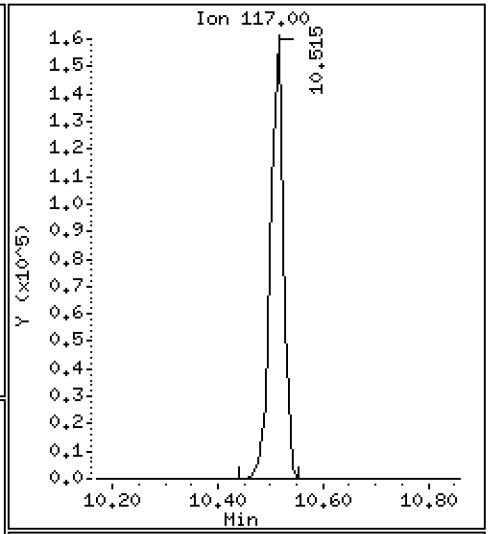
Column phase: ZB-5msi

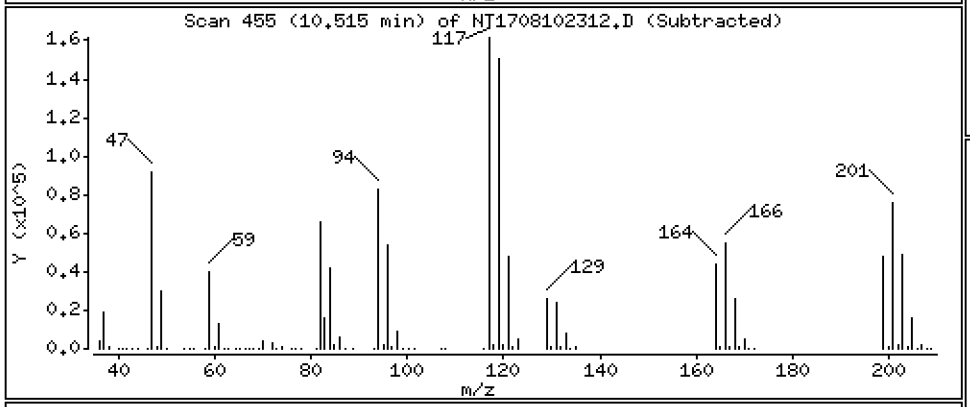
Column diameter: 0.25

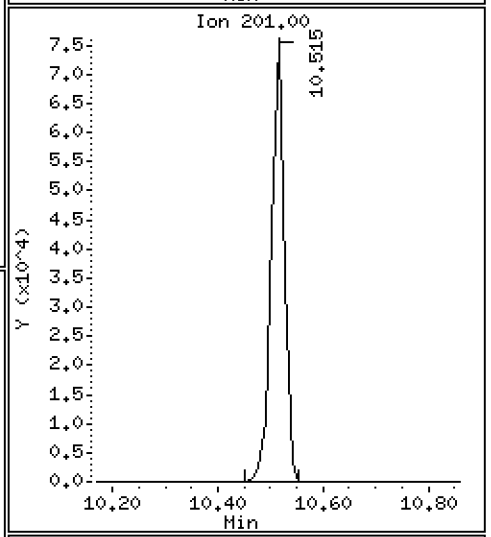
17 Hexachloroethane

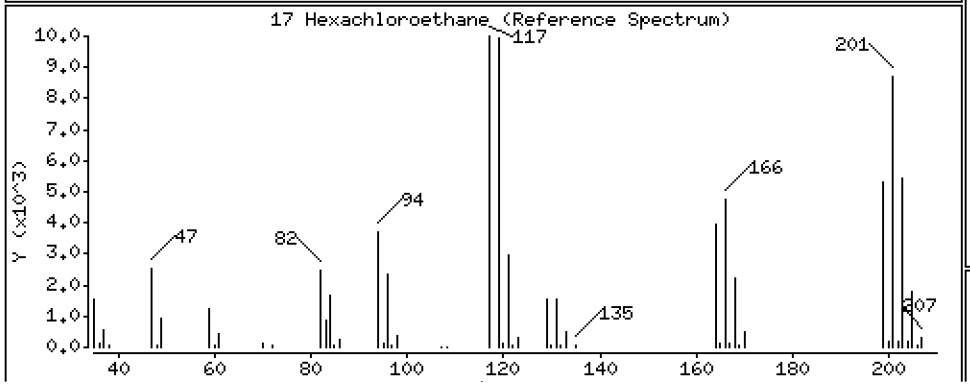
Concentration: 5.526 ug/mL

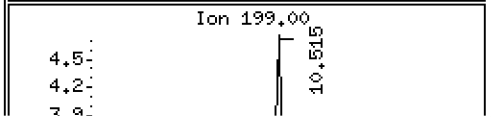












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

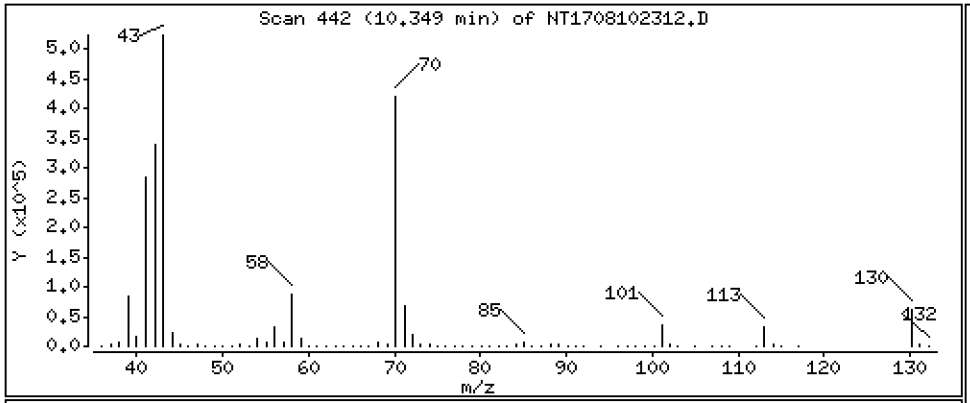
Operator: JGR

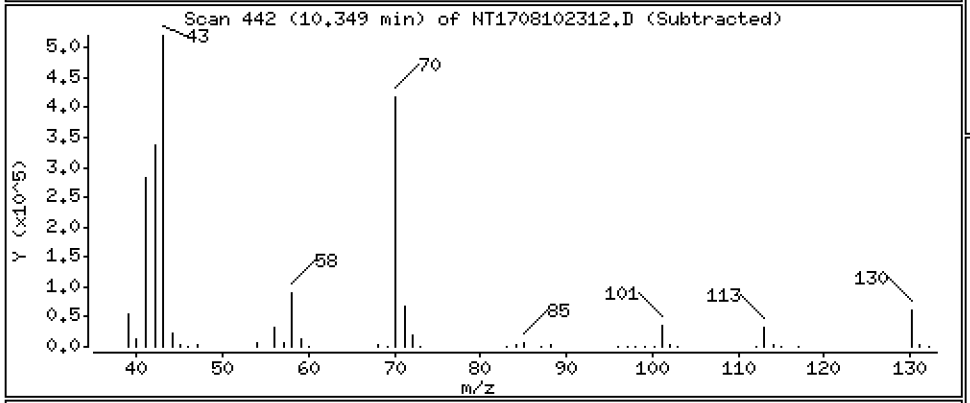
Column phase: ZB-5msi

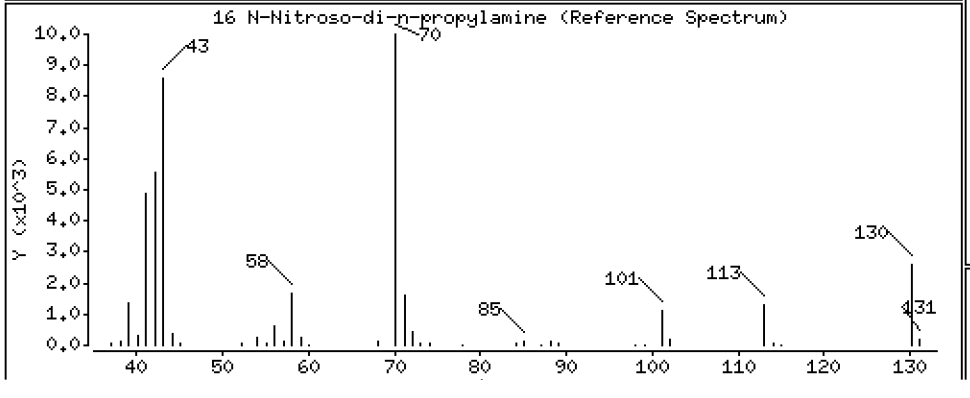
Column diameter: 0.25

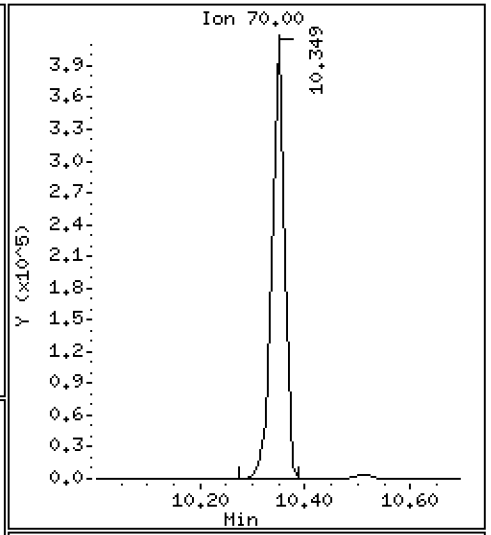
16 N-Nitroso-di-n-propylamine

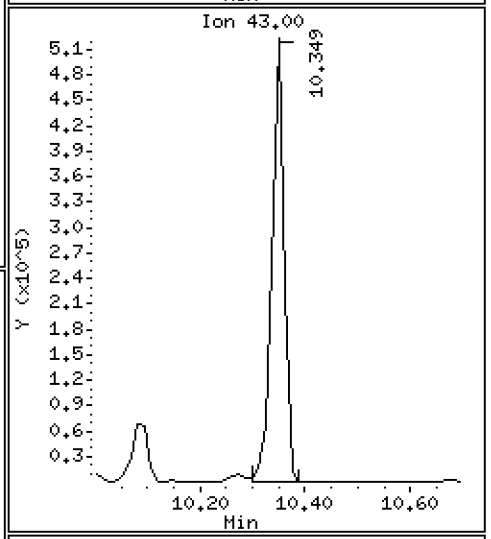
Concentration: 5.812 ug/mL

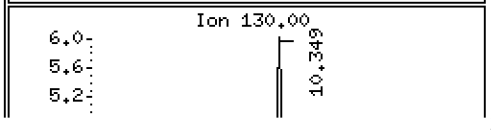












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

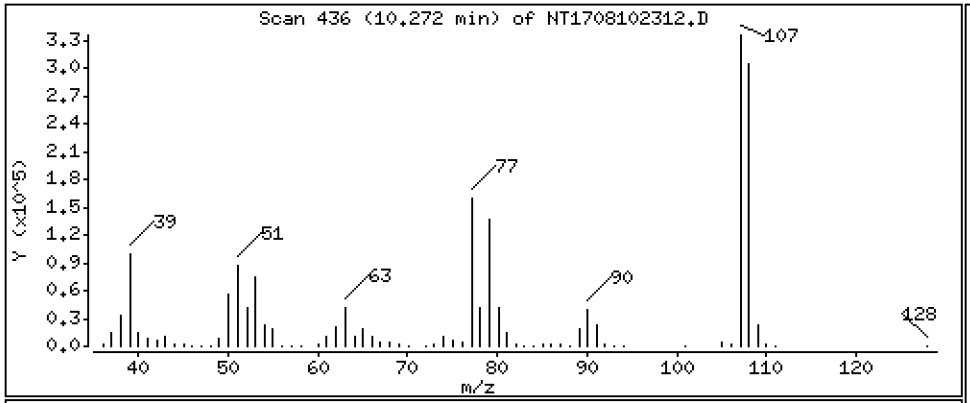
Operator: JGR

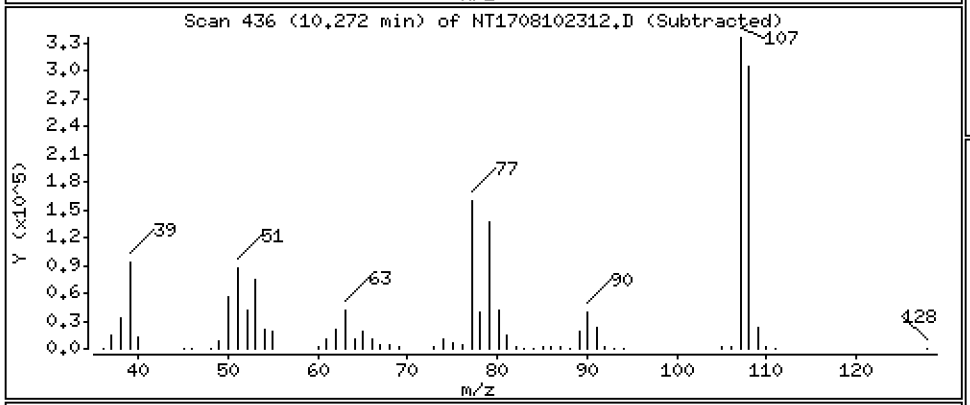
Column phase: ZB-5msi

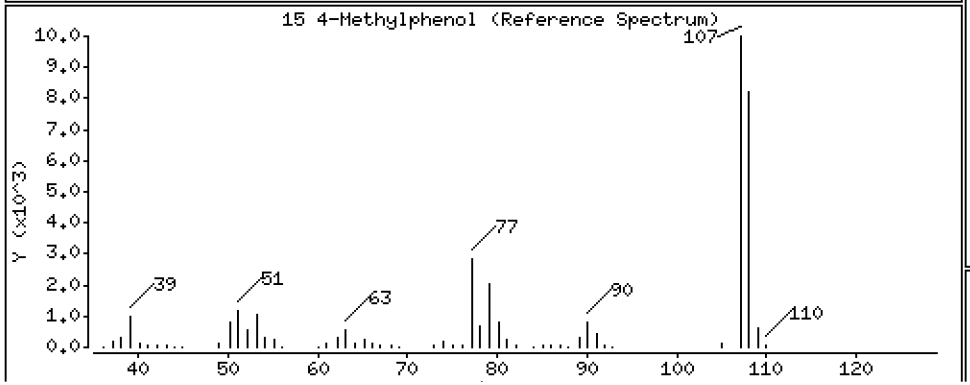
Column diameter: 0.25

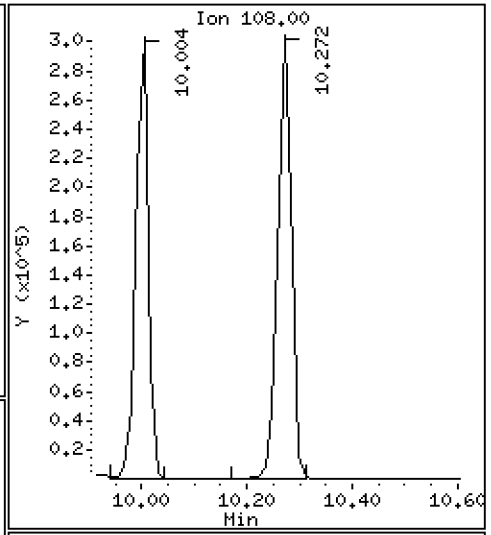
15 4-Methylphenol

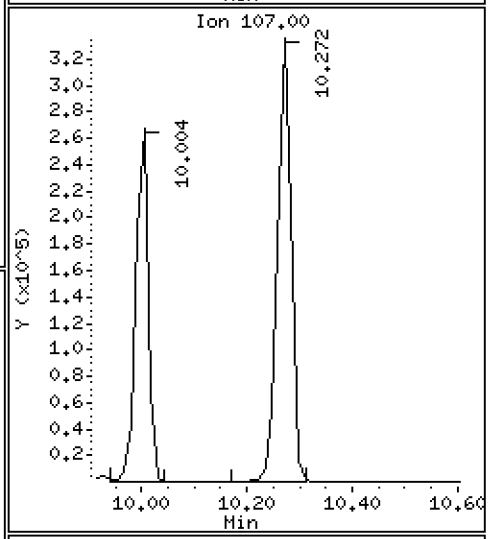
Concentration: 4.638 ug/mL

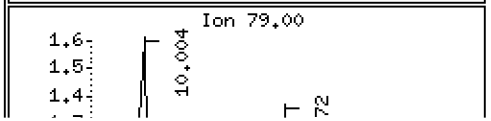












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

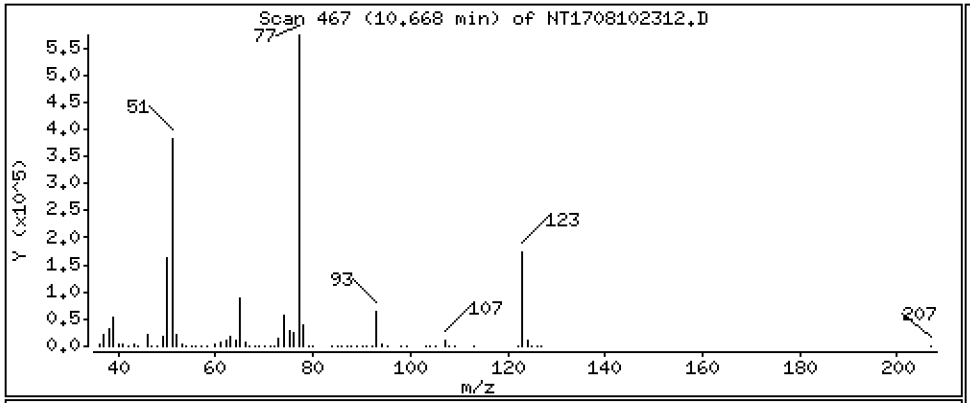
Operator: JGR

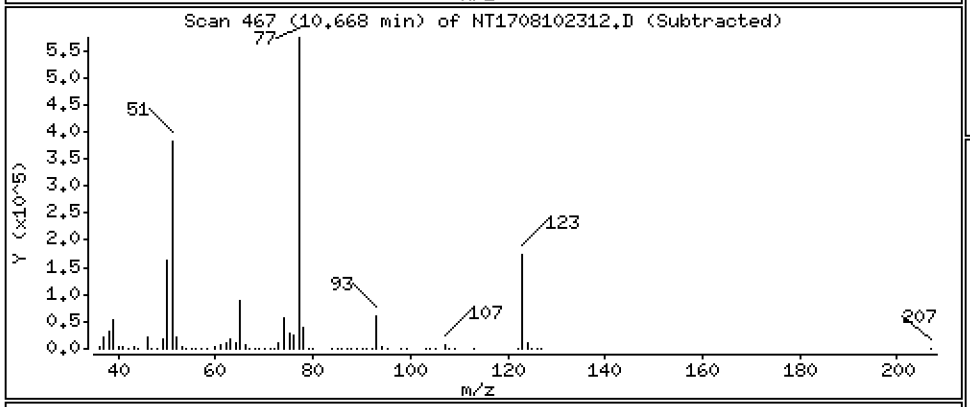
Column phase: ZB-5msi

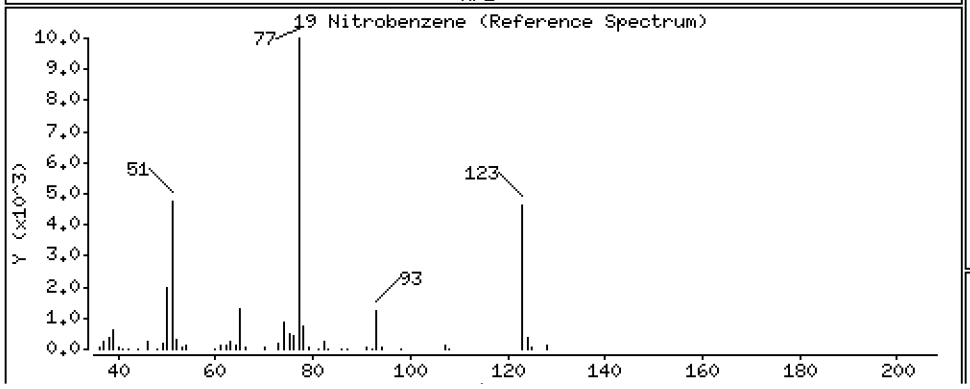
Column diameter: 0.25

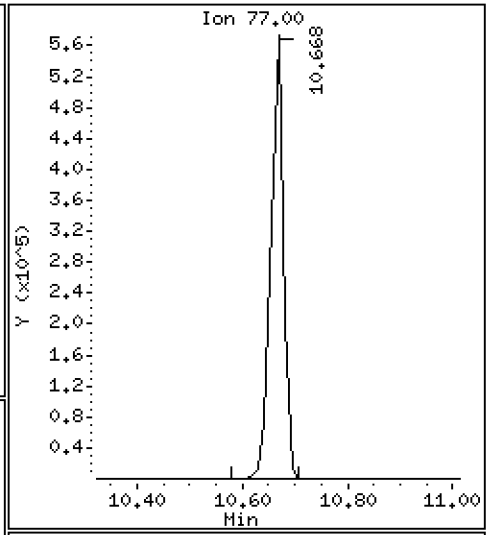
19 Nitrobenzene

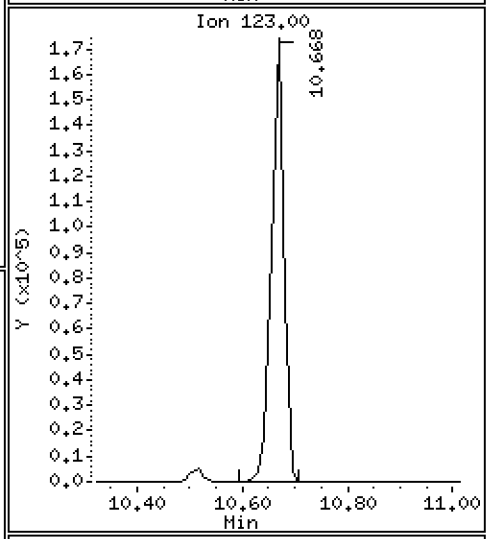
Concentration: 5.529 ug/mL

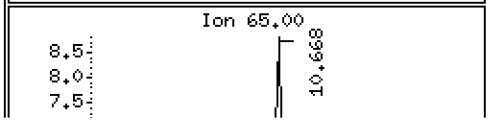












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

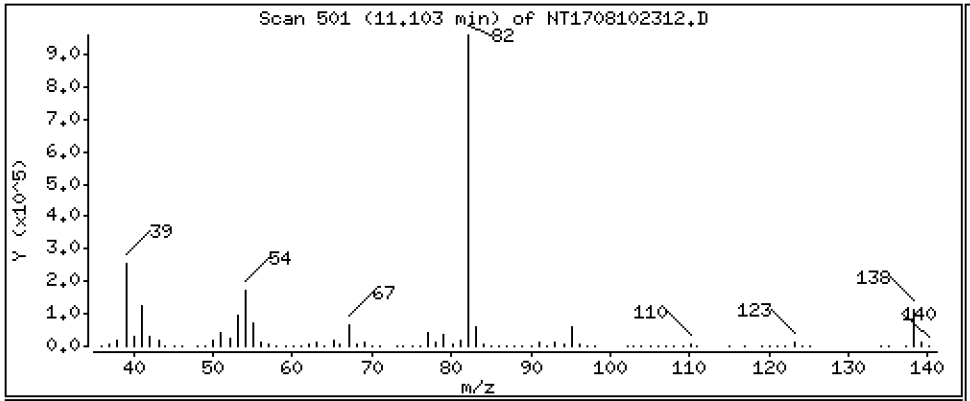
Operator: JGR

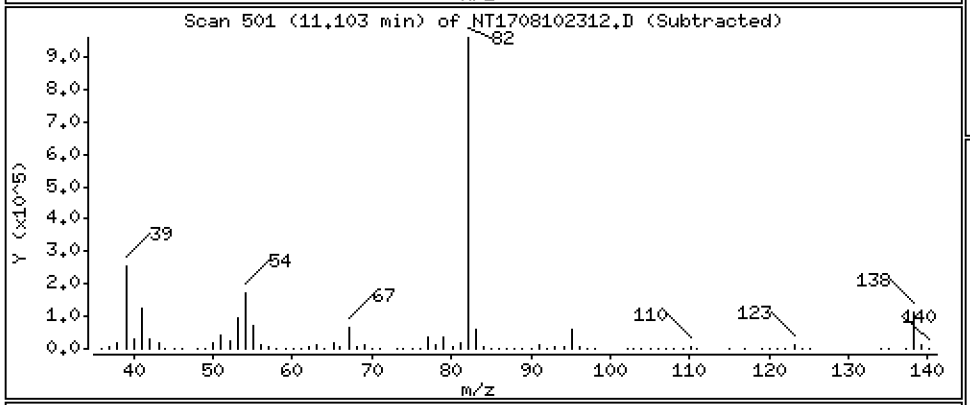
Column phase: ZB-5msi

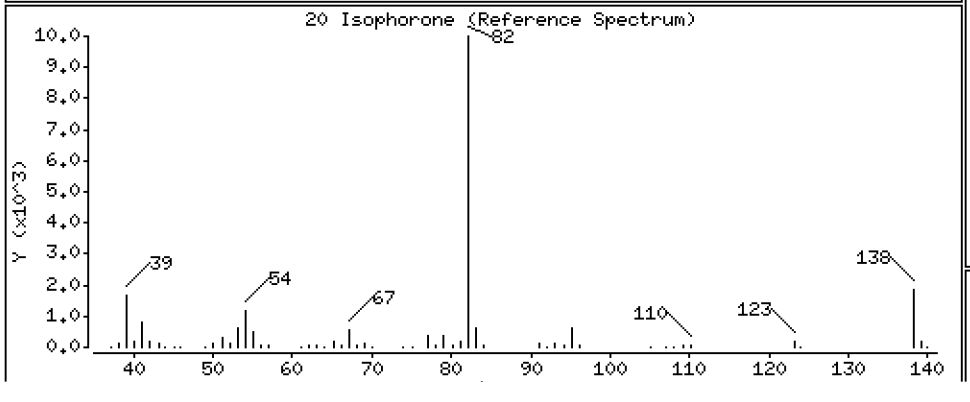
Column diameter: 0.25

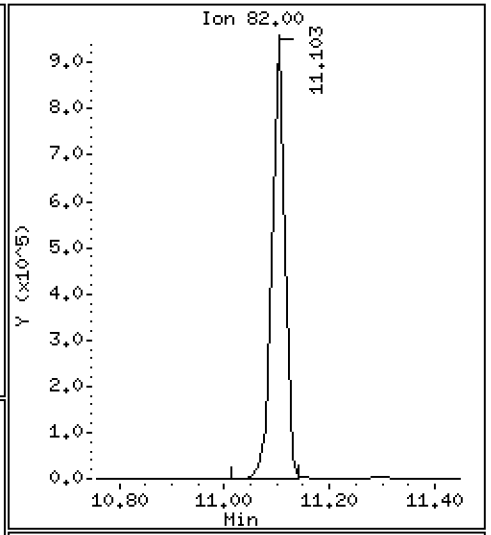
20 Isophorone

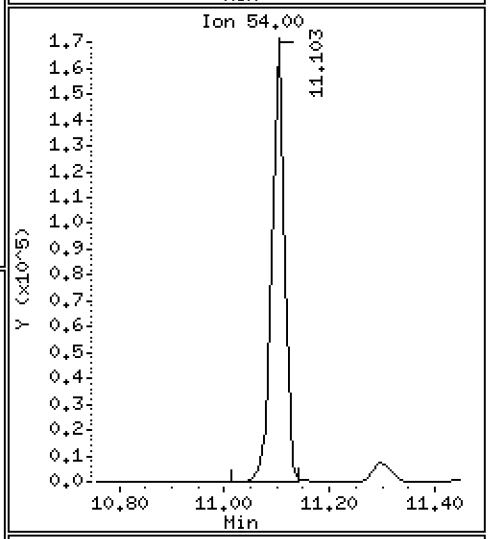
Concentration: 6.314 ug/mL

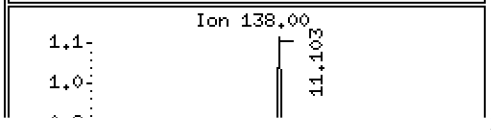












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

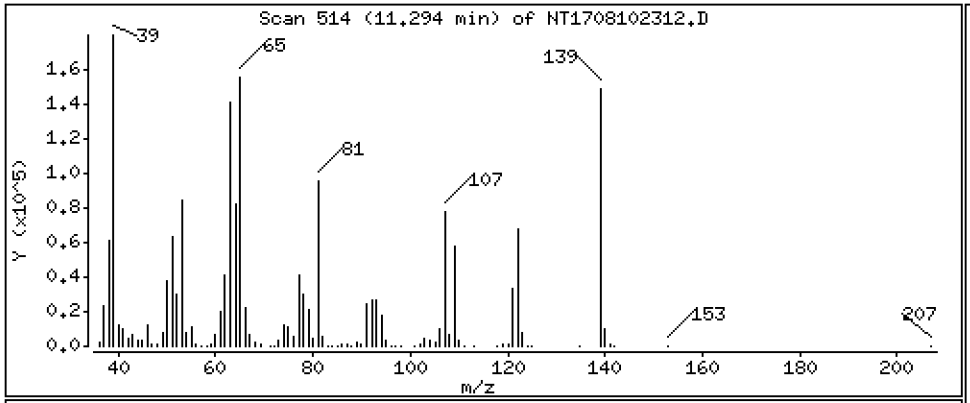
Operator: JGR

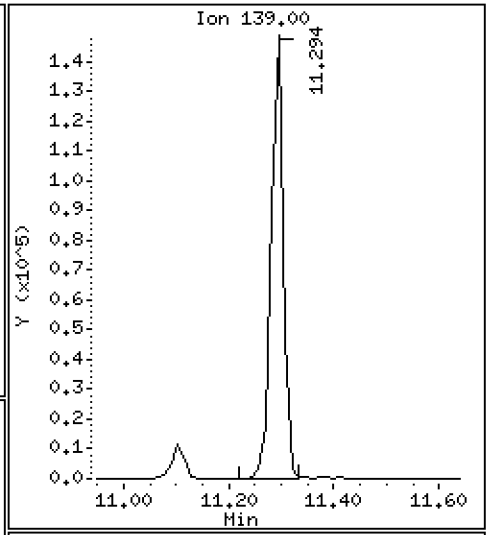
Column phase: ZB-5msi

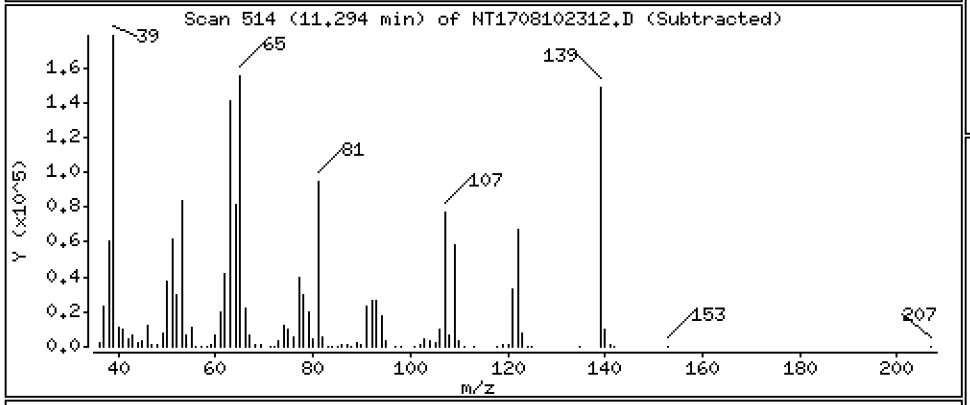
Column diameter: 0.25

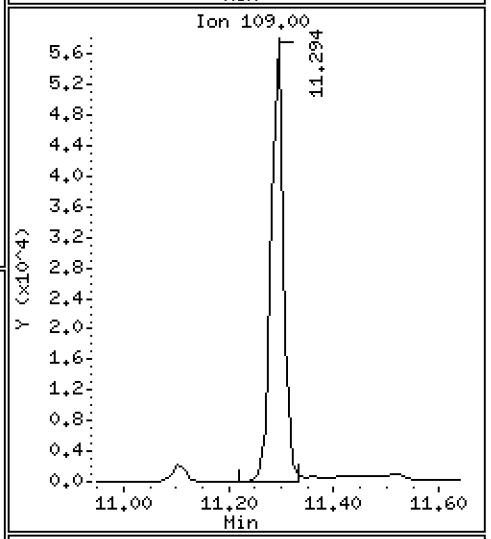
21 2-Nitrophenol

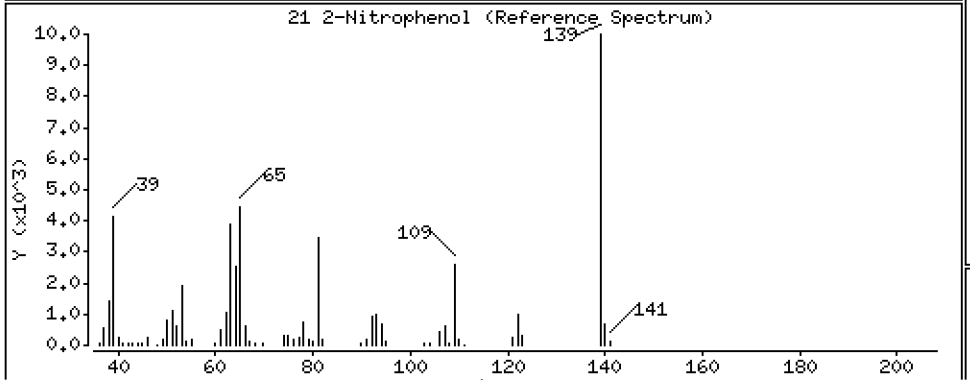
Concentration: 4.753 ug/mL

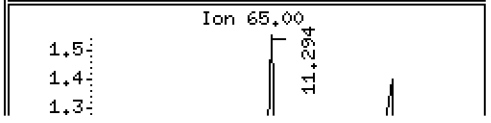












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

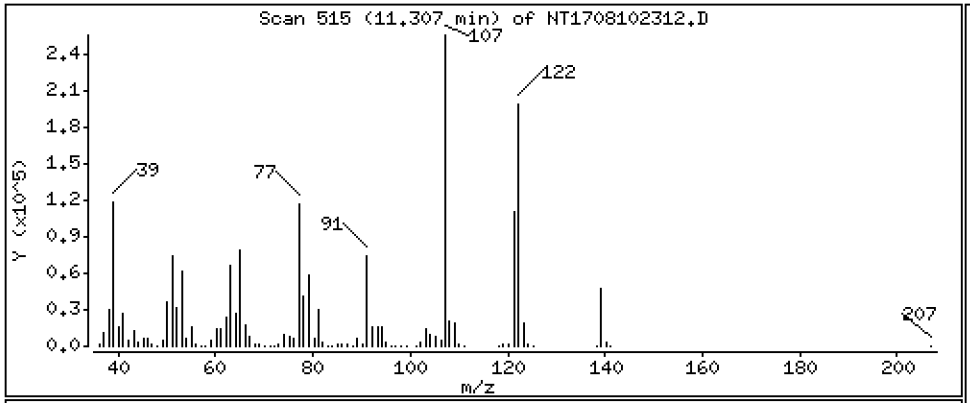
Operator: JGR

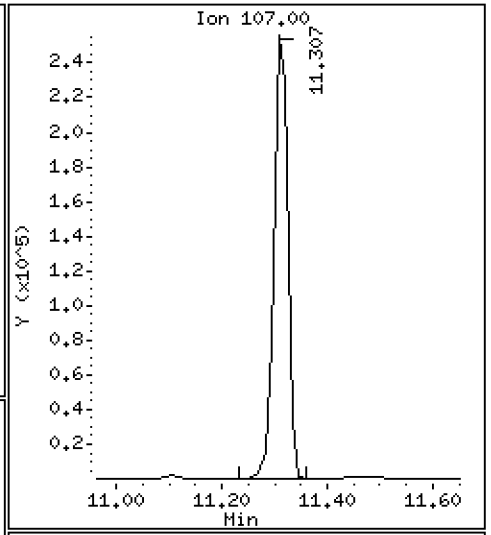
Column phase: ZB-5msi

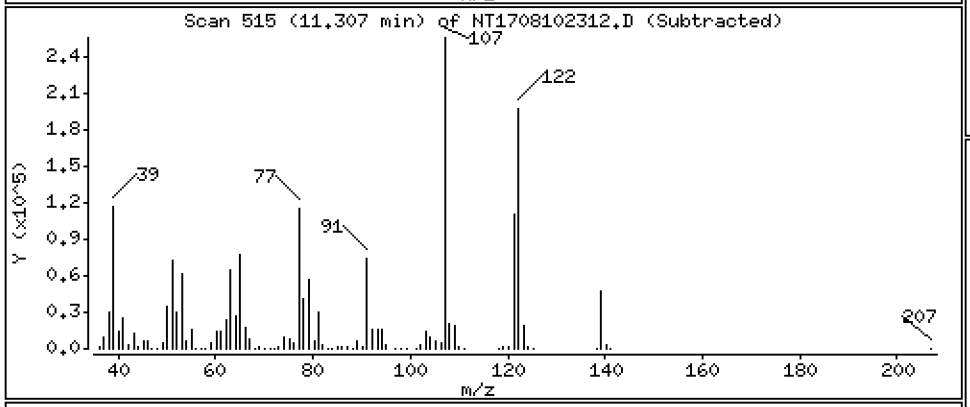
Column diameter: 0.25

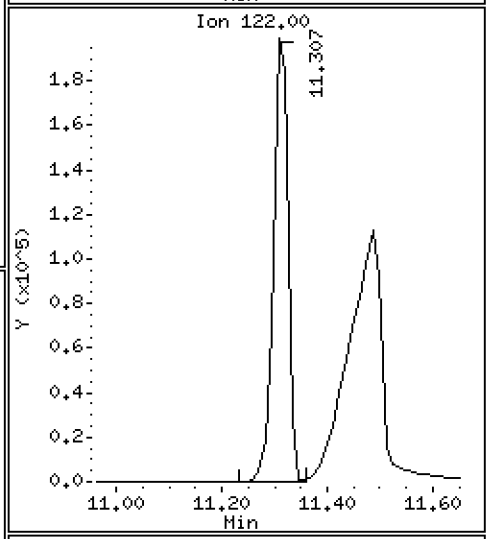
22 2,4-Dimethylphenol

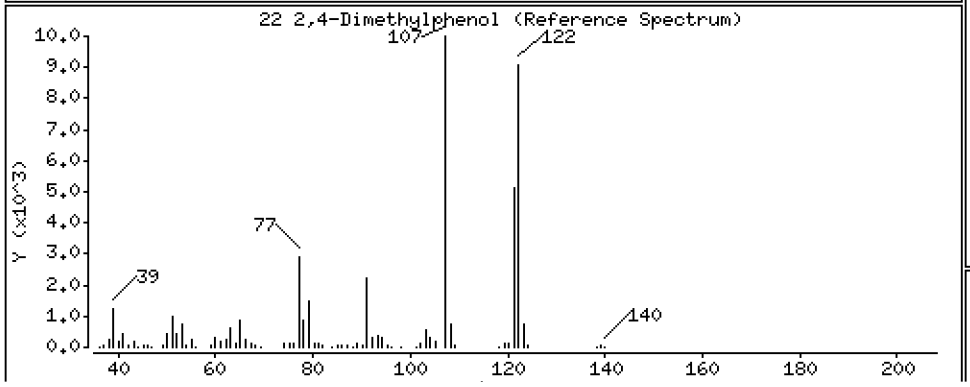
Concentration: 4.123 ug/mL

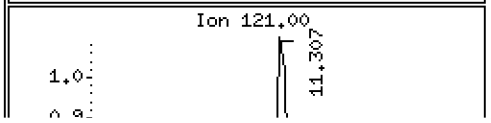












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

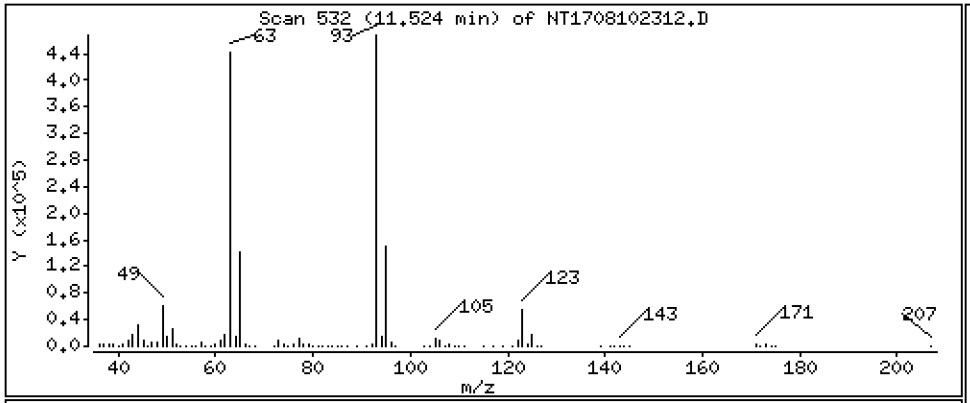
Operator: JGR

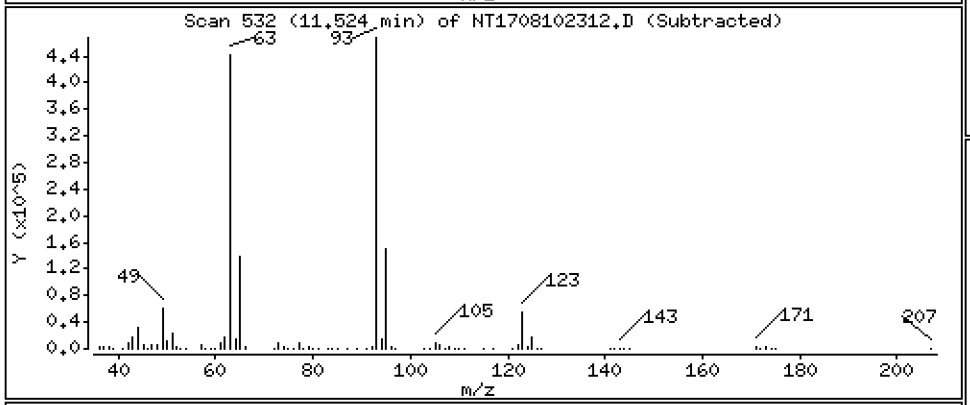
Column phase: ZB-5msi

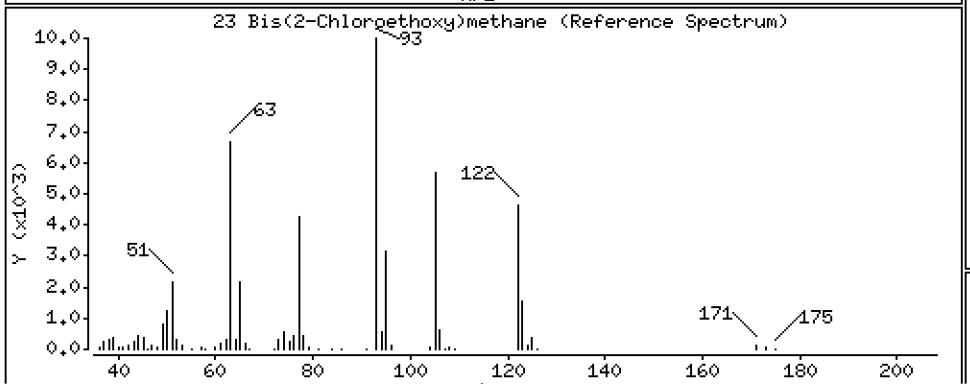
Column diameter: 0.25

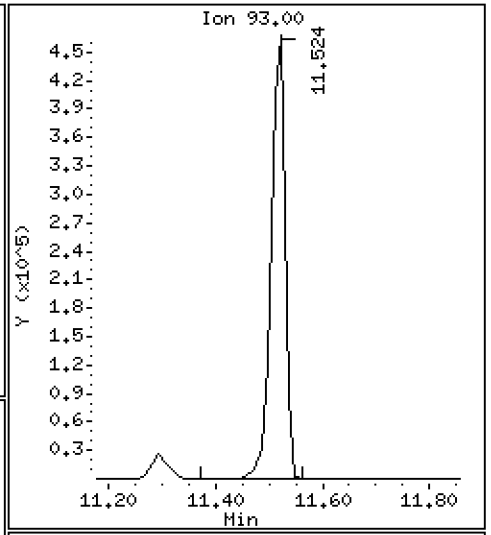
23 Bis(2-Chloroethoxy)methane

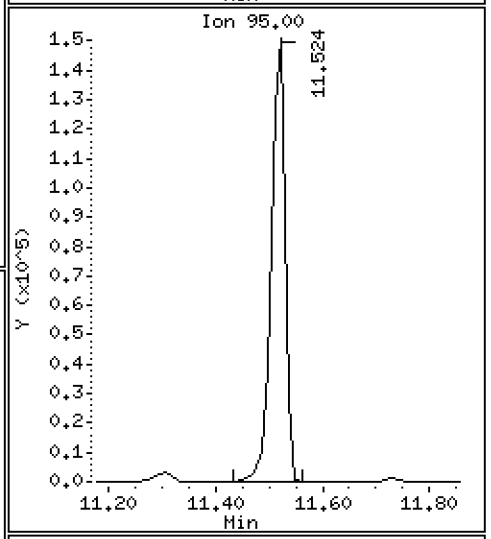
Concentration: 6.409 ug/mL

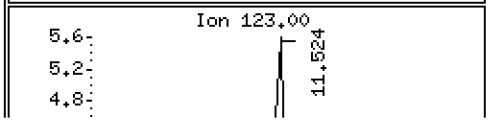












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

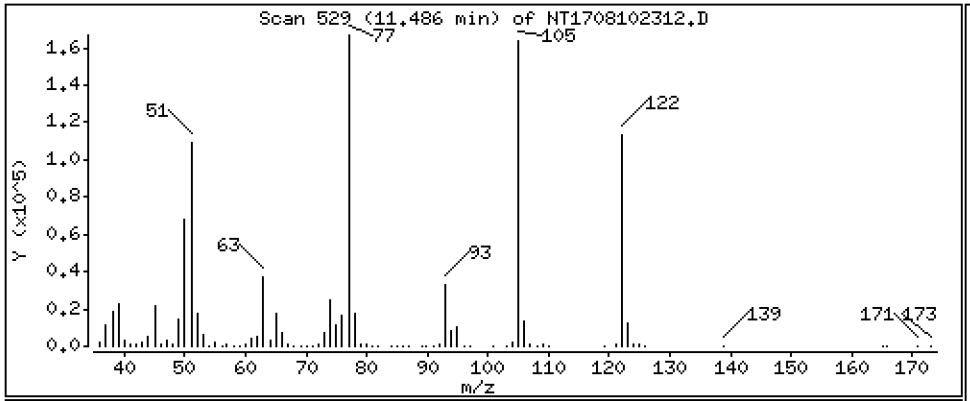
Operator: JGR

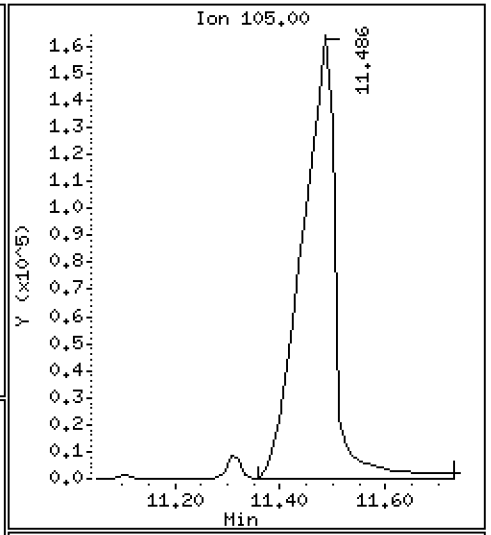
Column phase: ZB-5msi

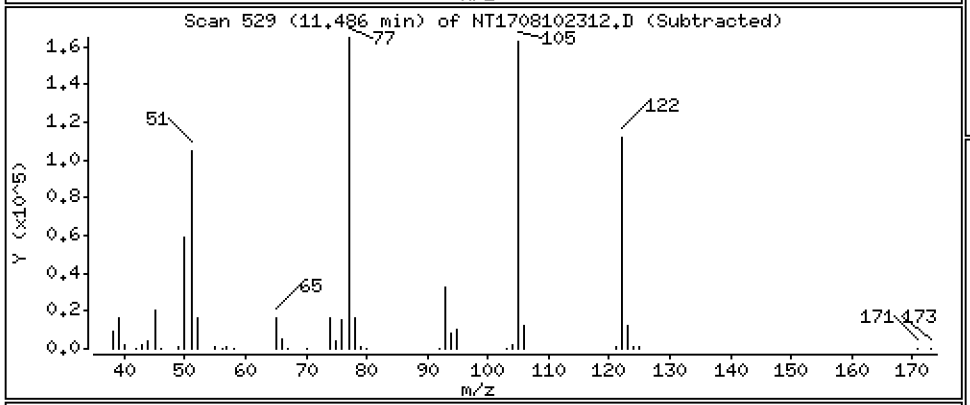
Column diameter: 0.25

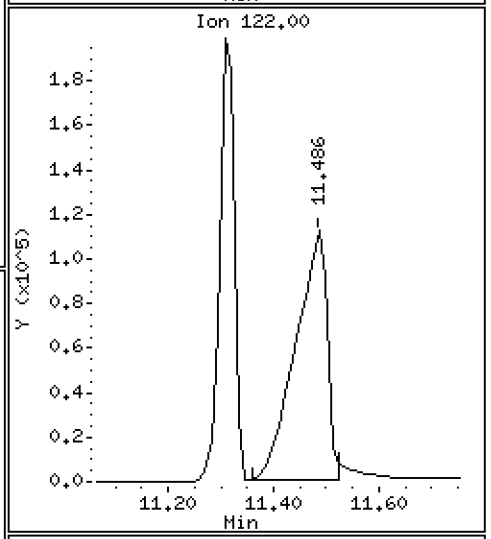
24 Benzoic acid

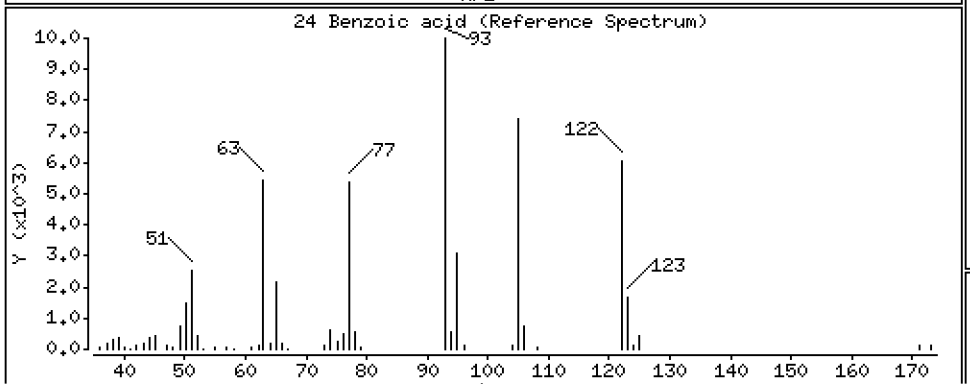
Concentration: 7.382 ug/mL

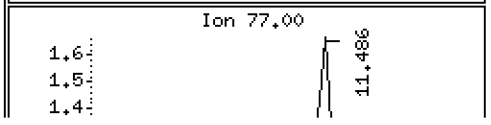












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

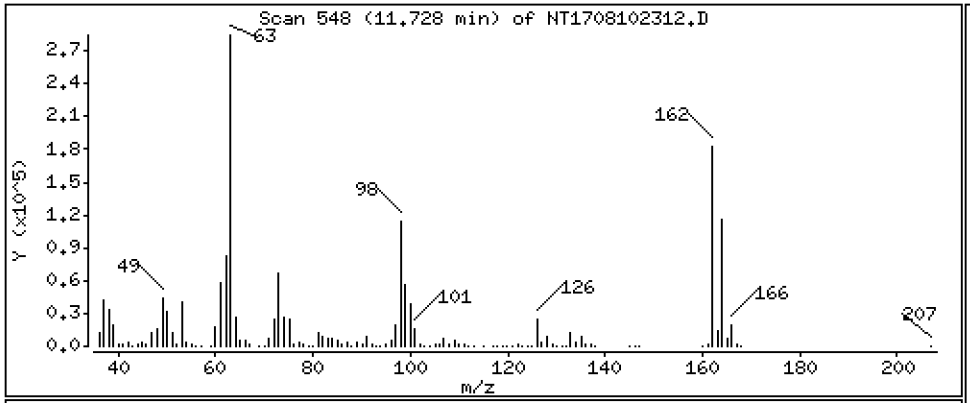
Operator: JGR

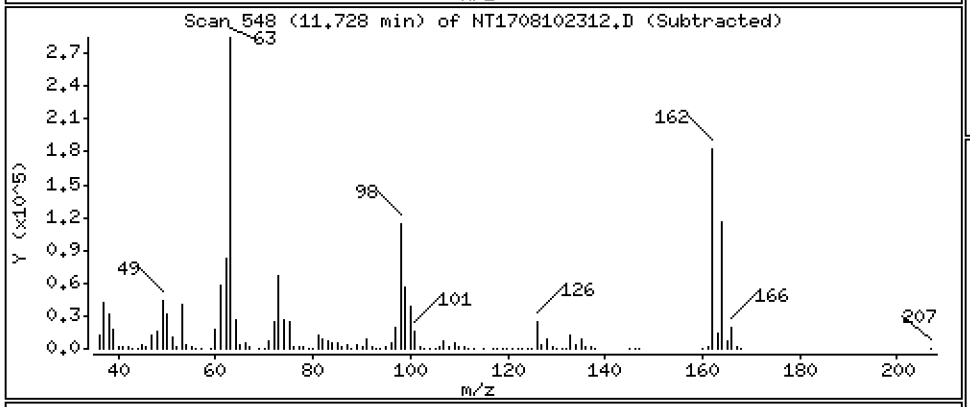
Column phase: ZB-5msi

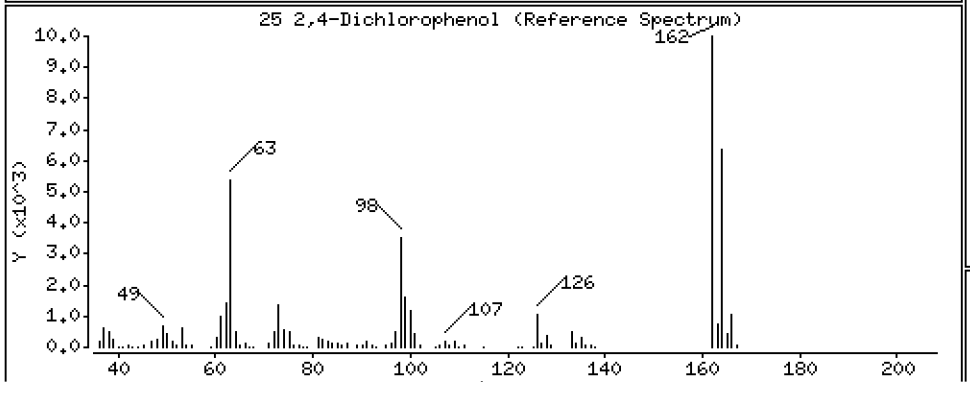
Column diameter: 0.25

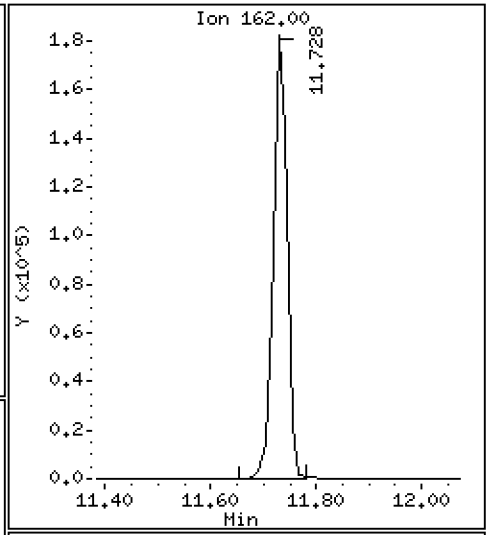
25 2,4-Dichlorophenol

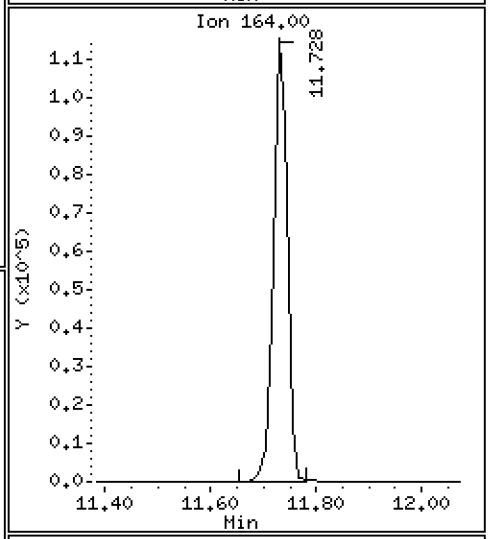
Concentration: 5.686 ug/mL

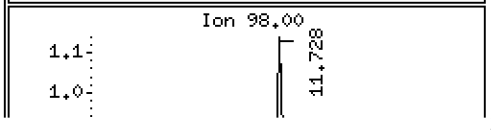












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

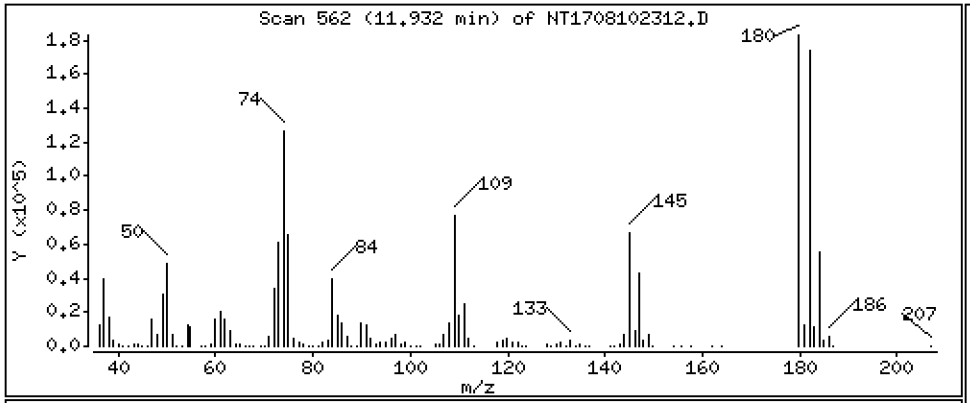
Operator: JGR

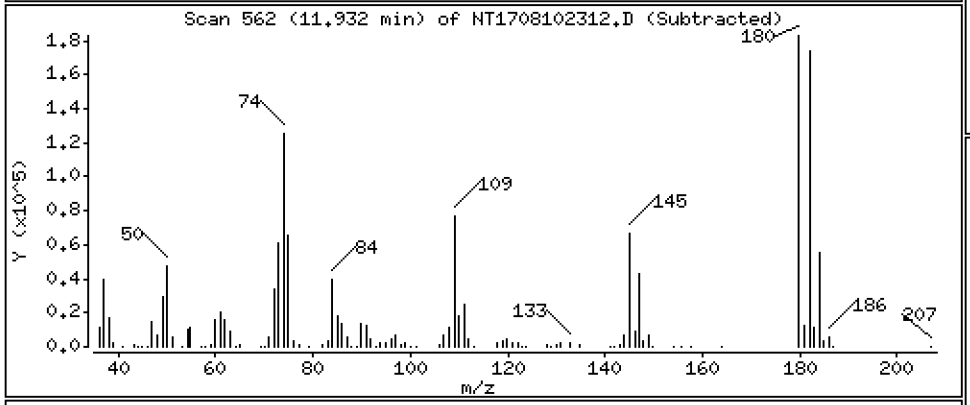
Column phase: ZB-5msi

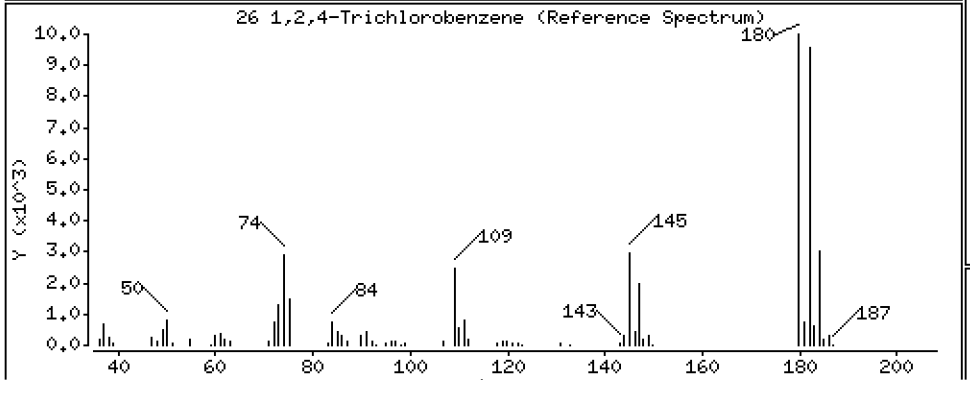
Column diameter: 0.25

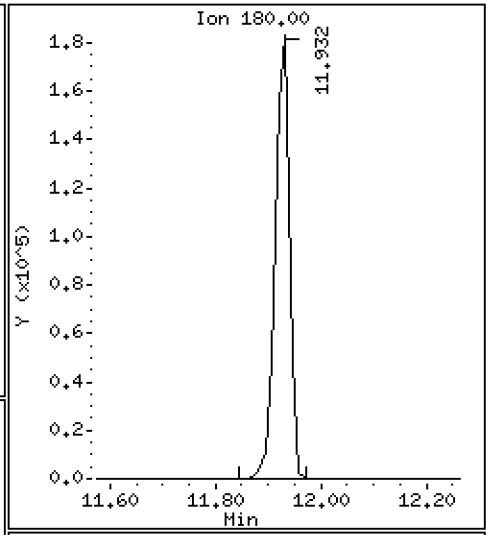
26 1,2,4-Trichlorobenzene

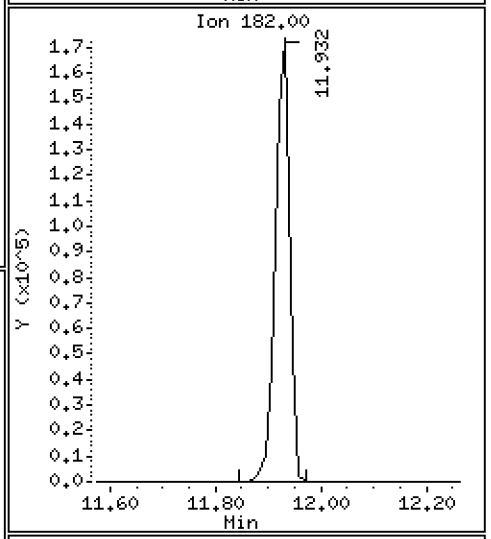
Concentration: 5.092 ug/mL

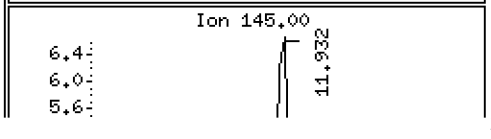












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

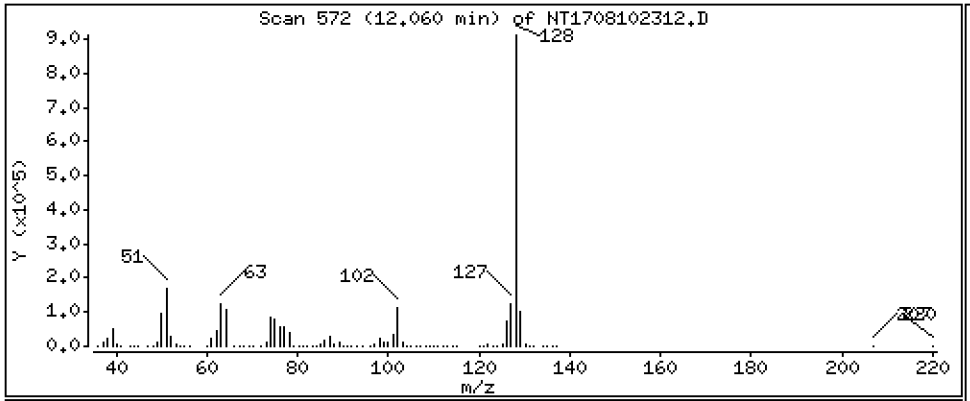
Operator: JGR

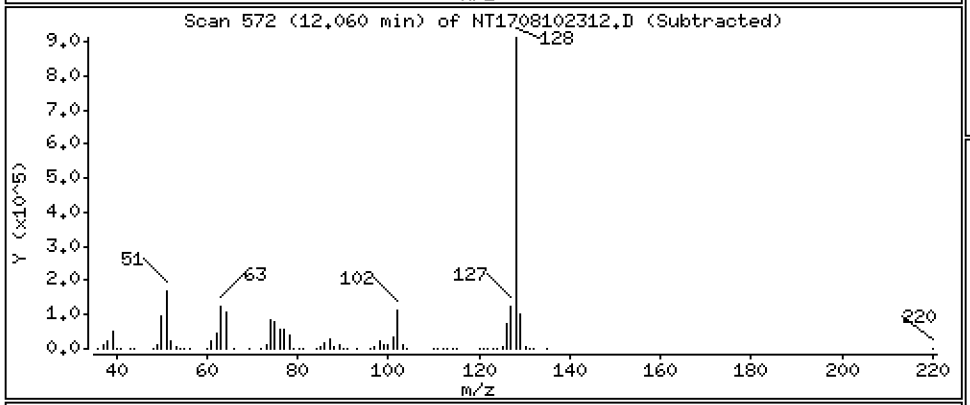
Column phase: ZB-5msi

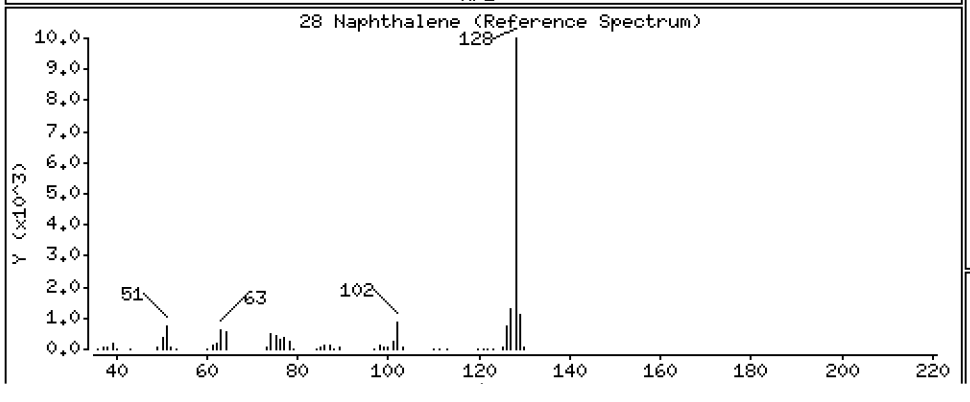
Column diameter: 0.25

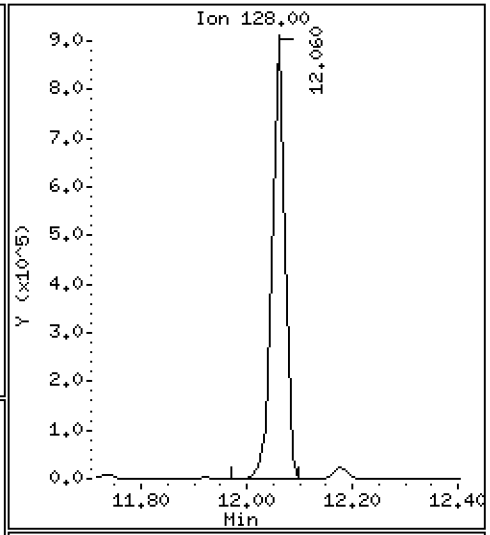
28 Naphthalene

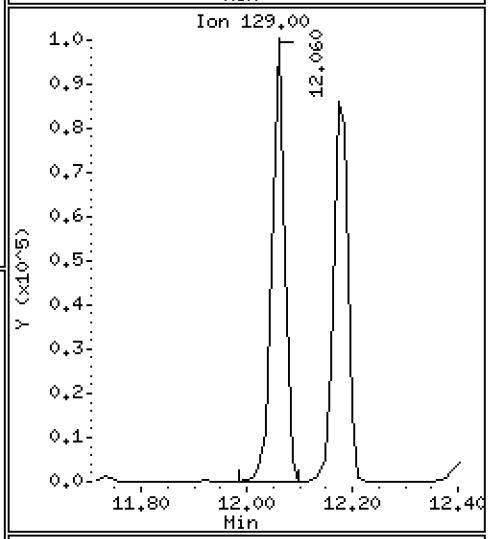
Concentration: 5.642 ug/mL

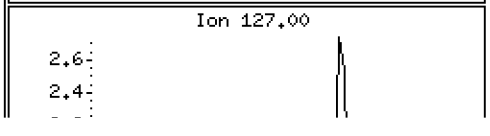












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

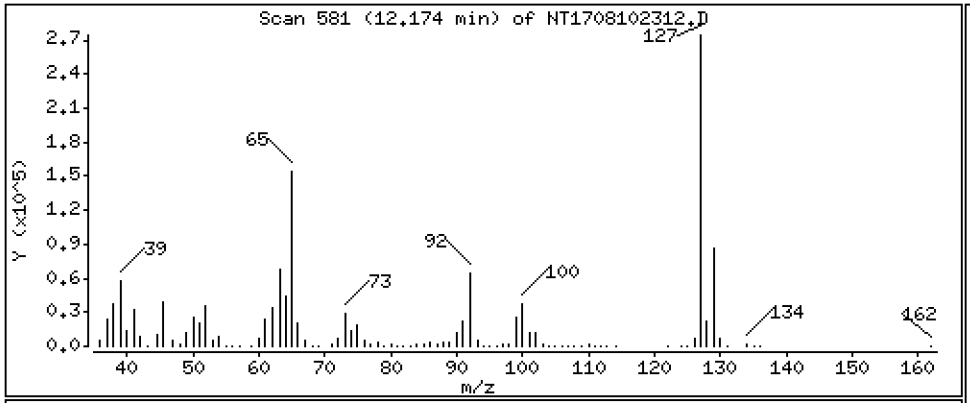
Operator: JGR

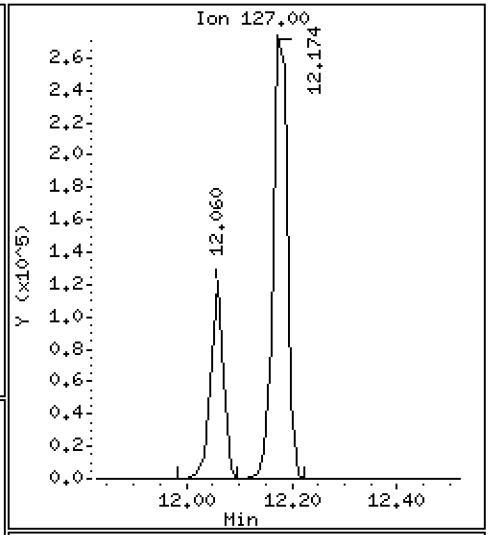
Column phase: ZB-5msi

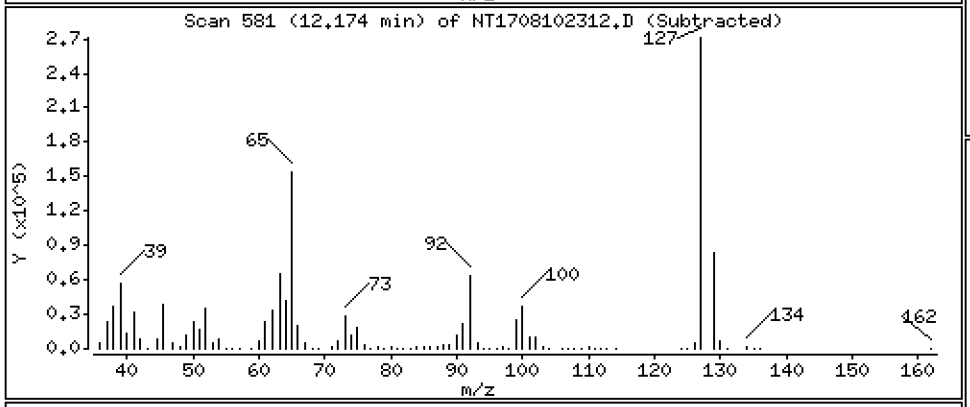
Column diameter: 0.25

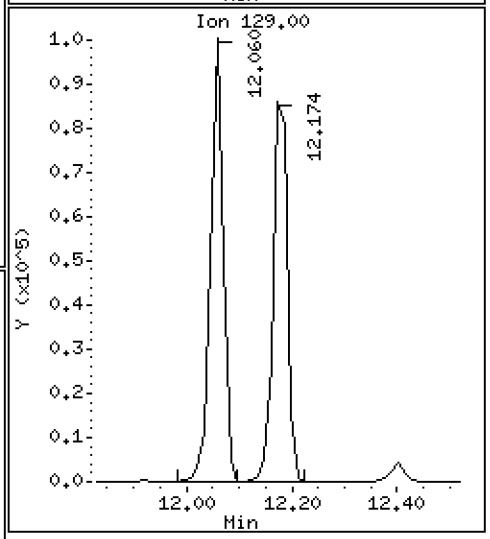
29 4-Chloroaniline

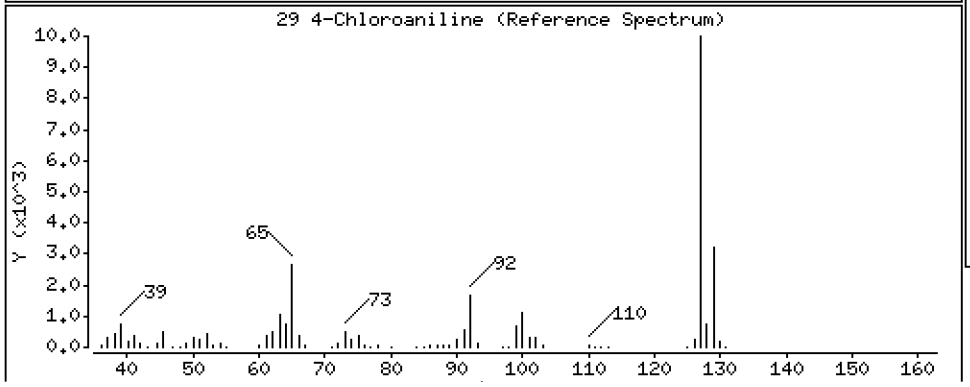
Concentration: 4.213 ug/mL











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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

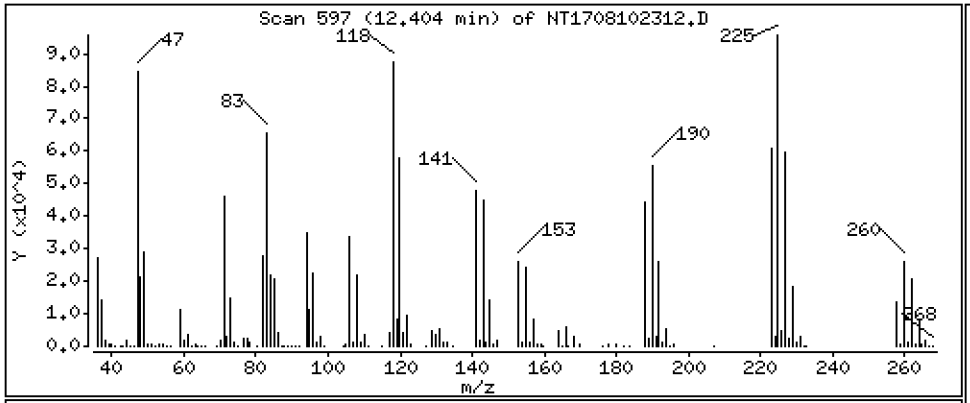
Operator: JGR

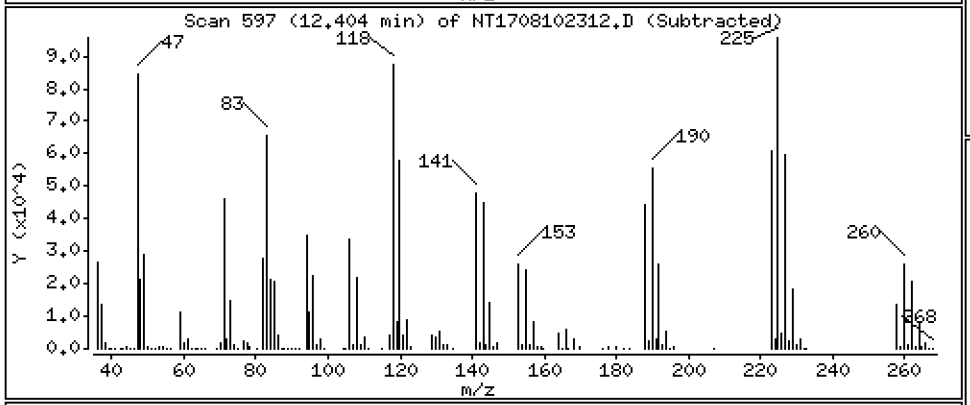
Column phase: ZB-5msi

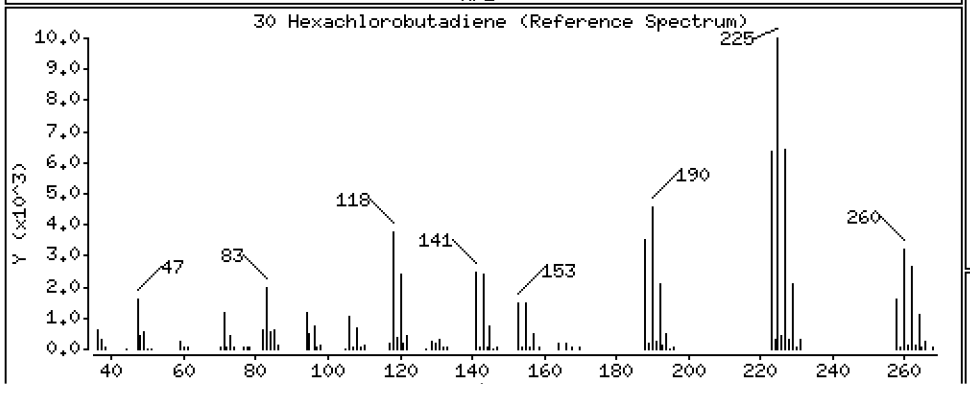
Column diameter: 0.25

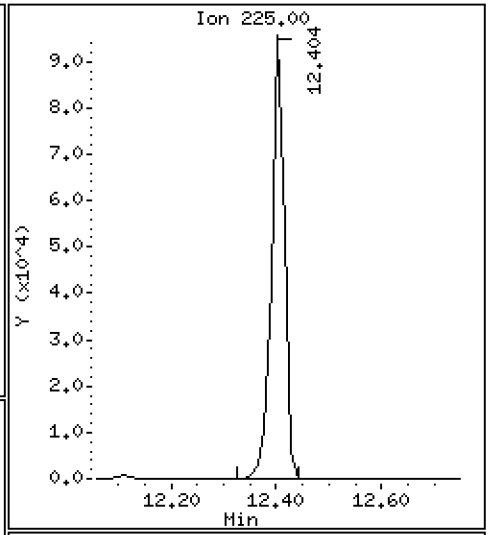
30 Hexachlorobutadiene

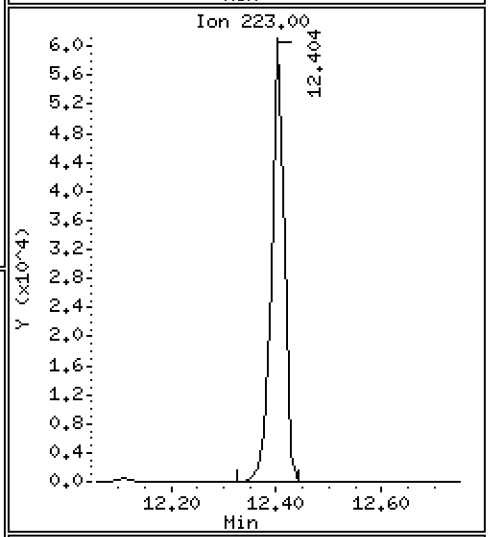
Concentration: 5.173 ug/mL

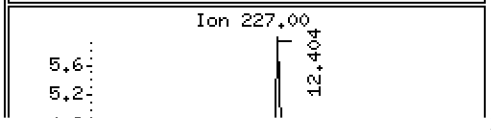












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

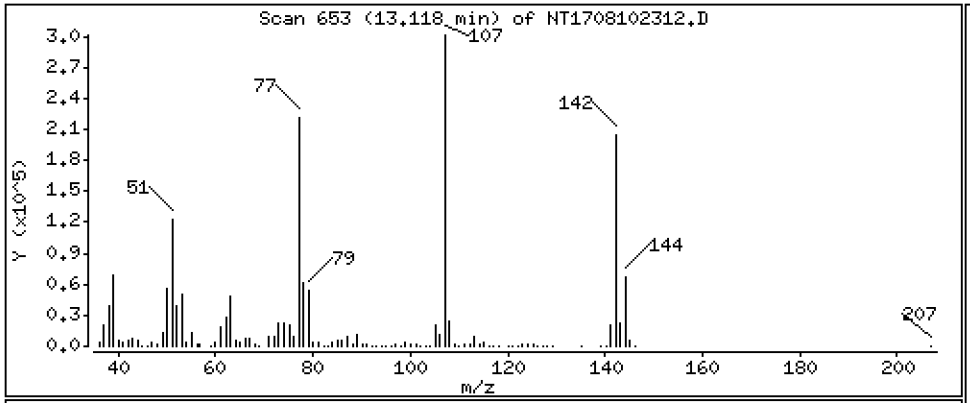
Operator: JGR

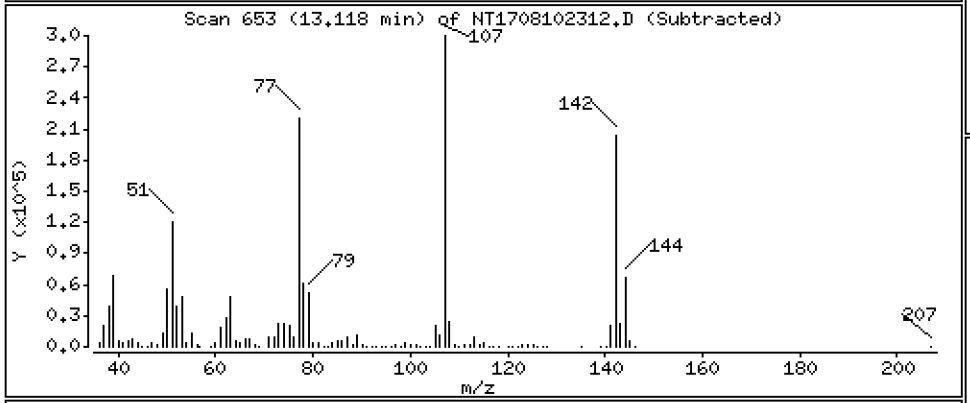
Column phase: ZB-5msi

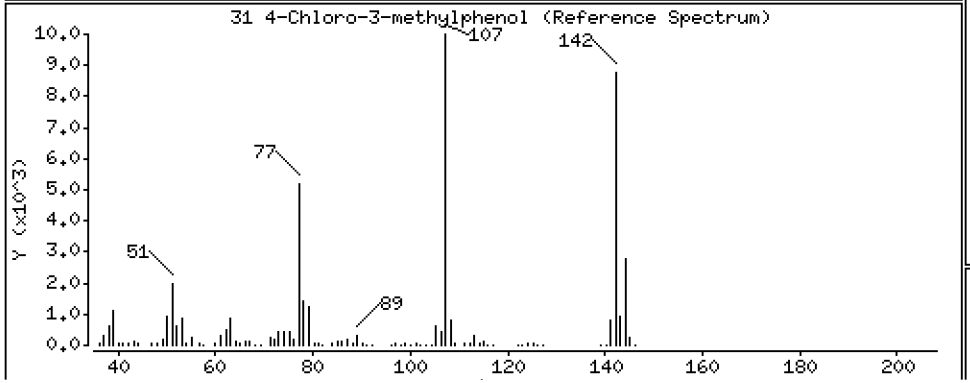
Column diameter: 0.25

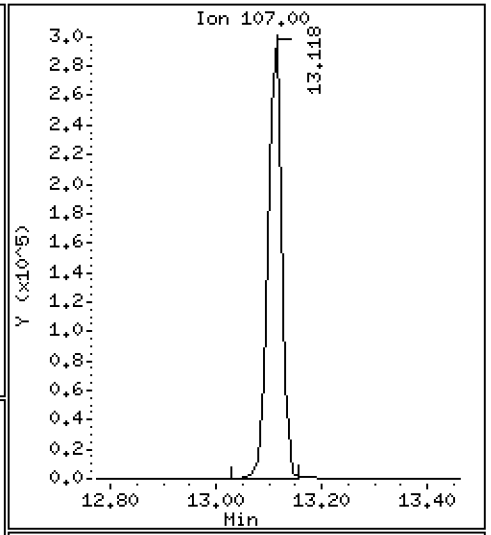
31 4-Chloro-3-methylphenol

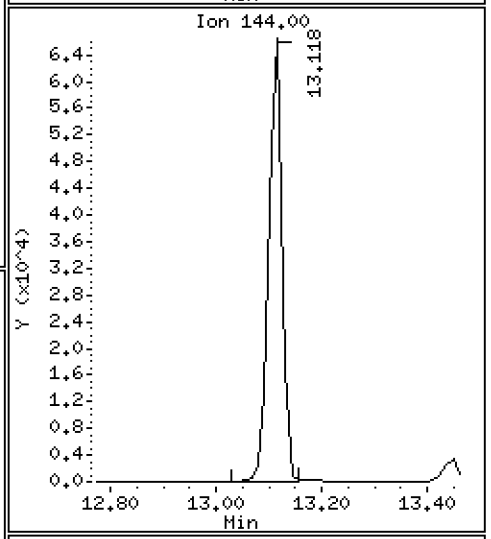
Concentration: 4.798 ug/mL

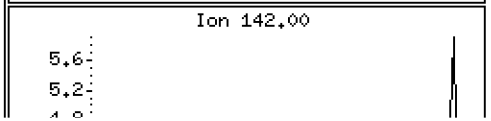












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

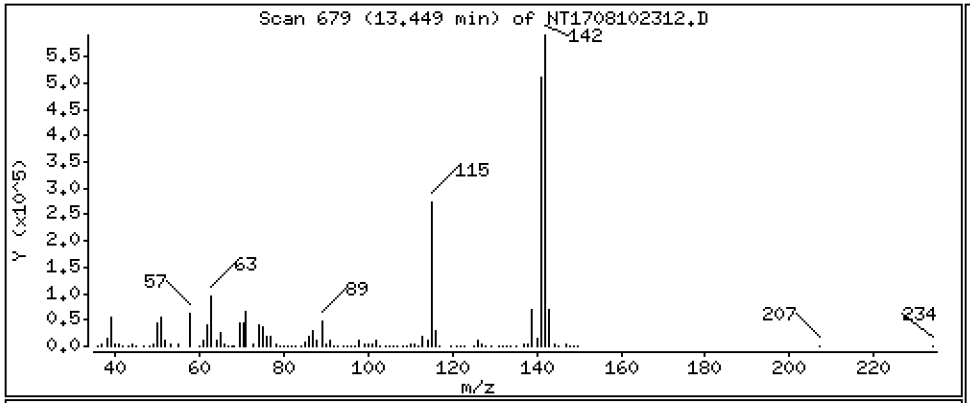
Operator: JGR

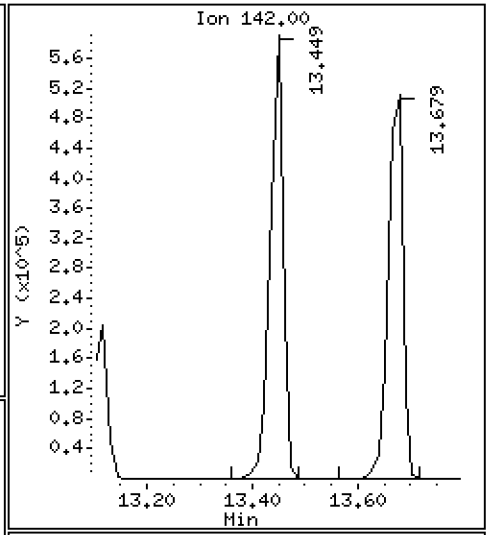
Column phase: ZB-5msi

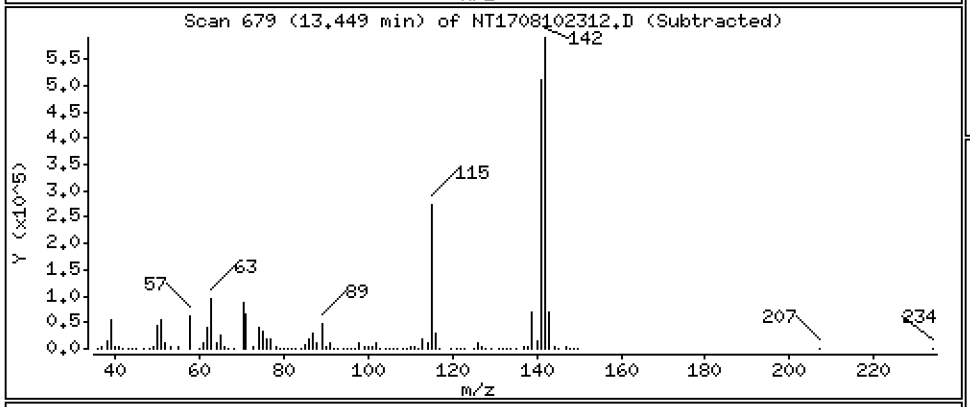
Column diameter: 0.25

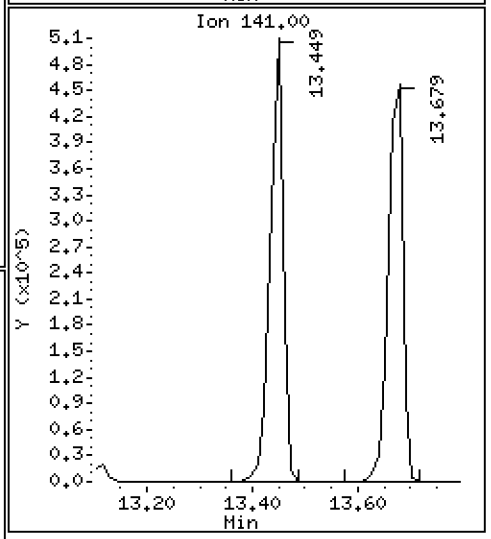
32 2-Methylnaphthalene

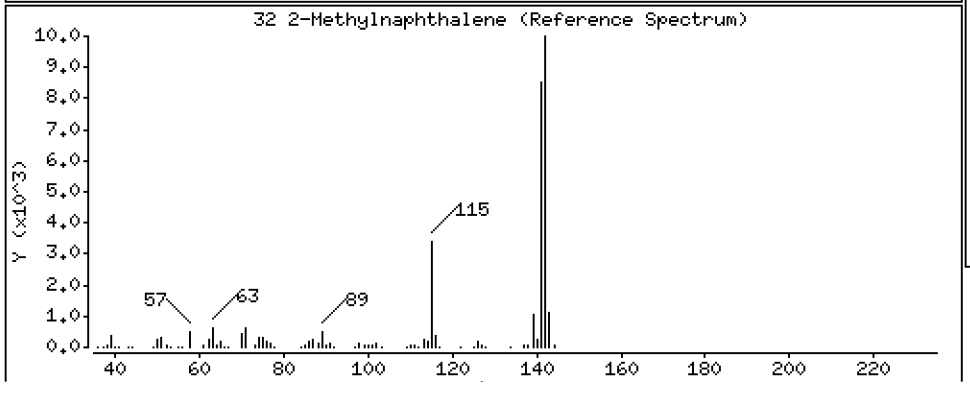
Concentration: 5.370 ug/mL











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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

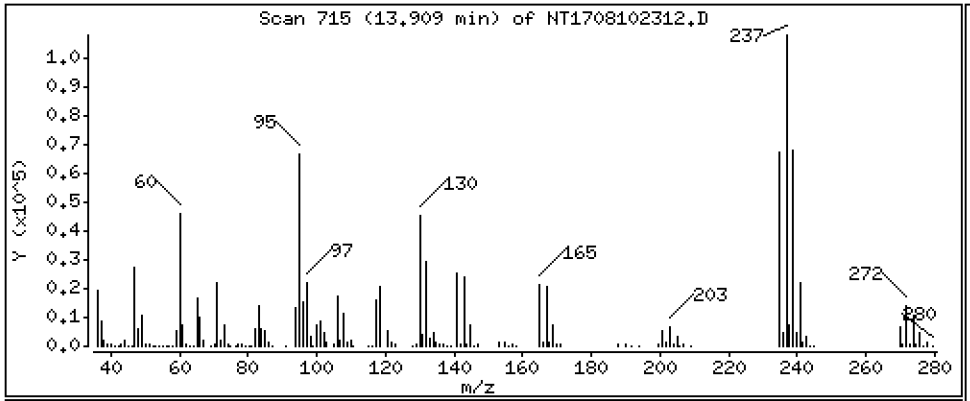
Operator: JGR

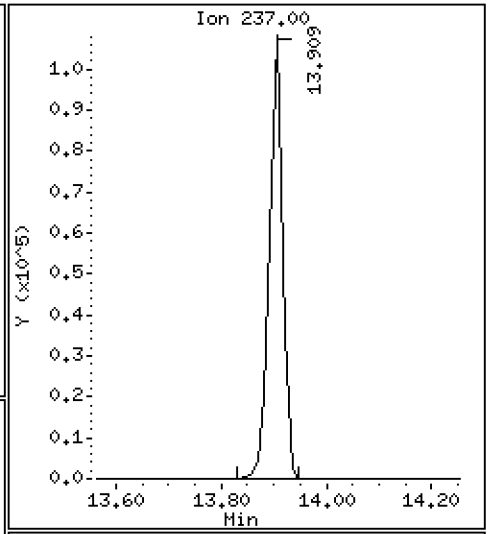
Column phase: ZB-5msi

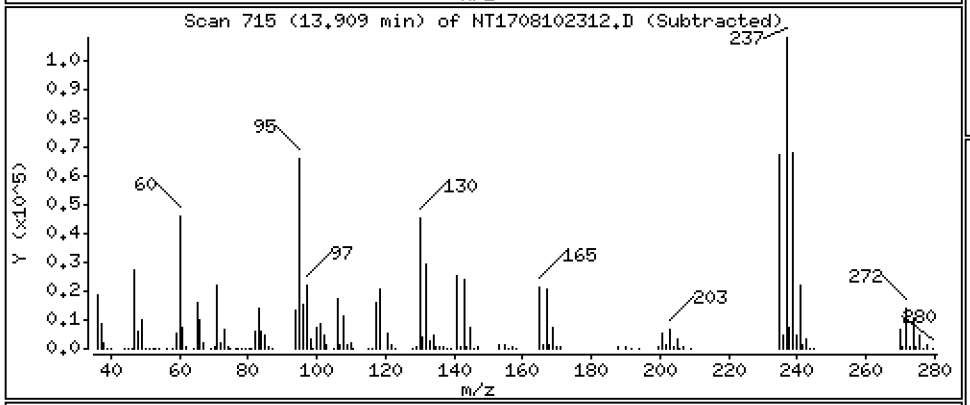
Column diameter: 0.25

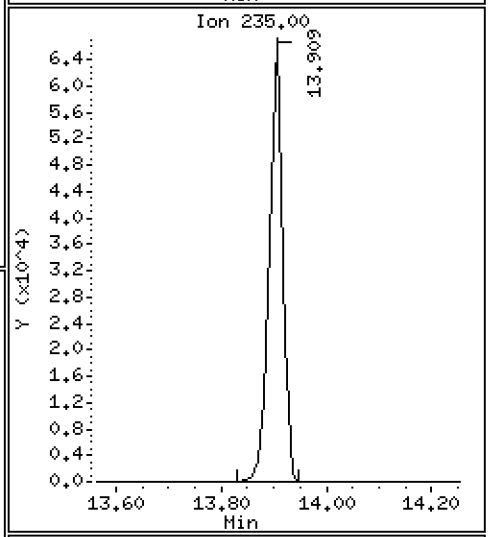
33 Hexachlorocyclopentadiene

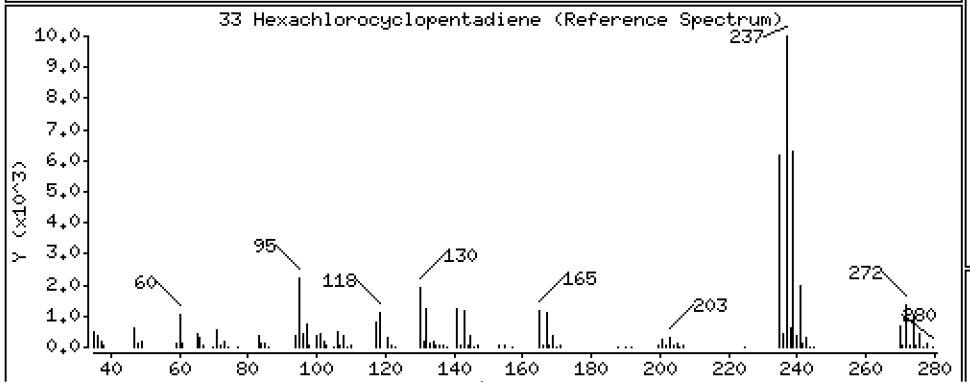
Concentration: 4.282 ug/mL

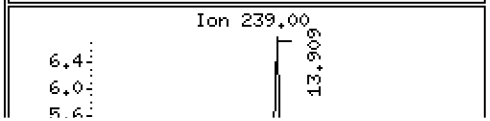












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

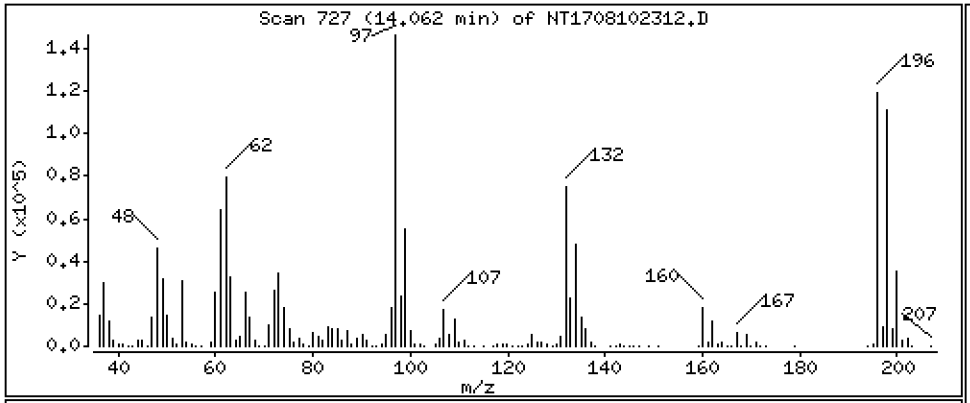
Operator: JGR

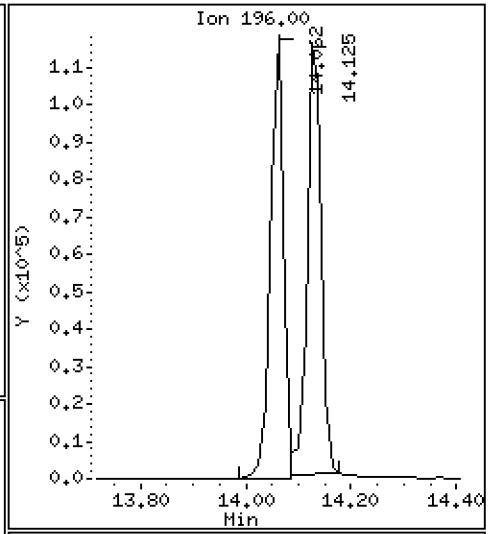
Column phase: ZB-5msi

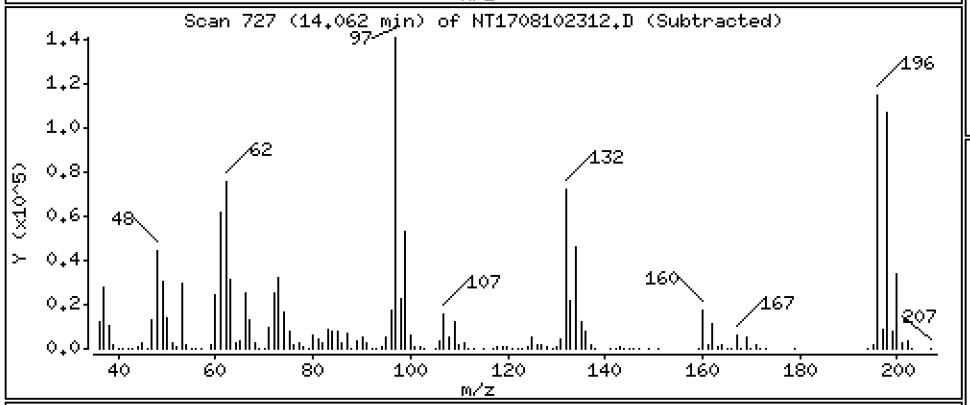
Column diameter: 0.25

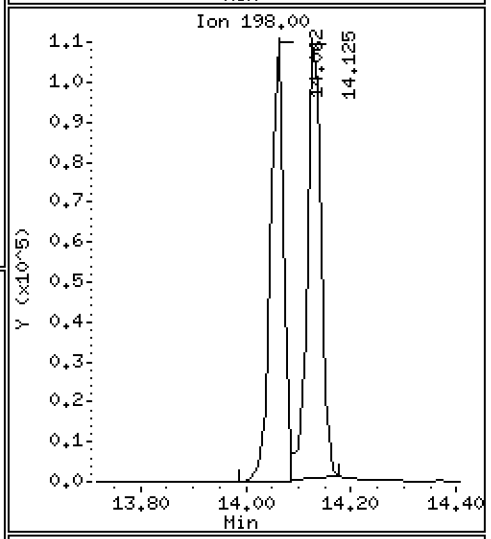
34 2,4,6-Trichlorophenol

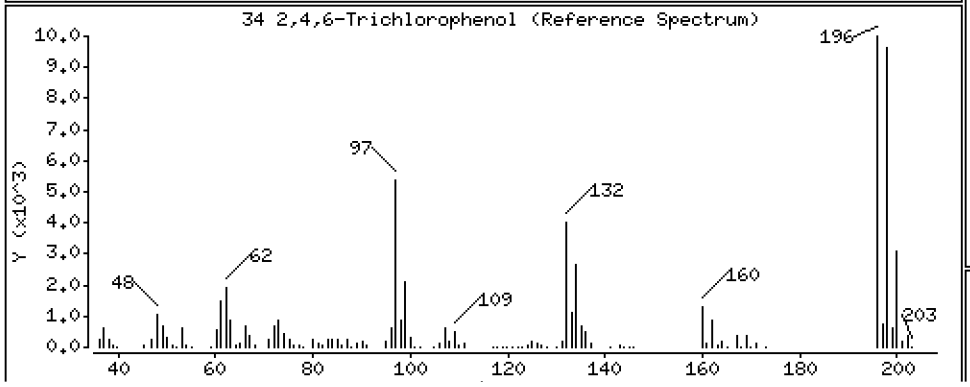
Concentration: 4.376 ug/mL

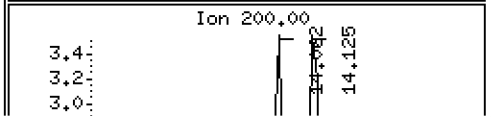












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

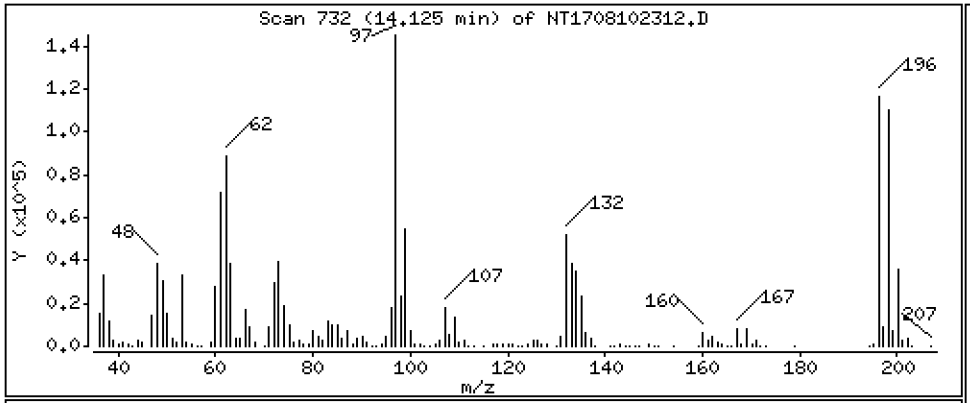
Operator: JGR

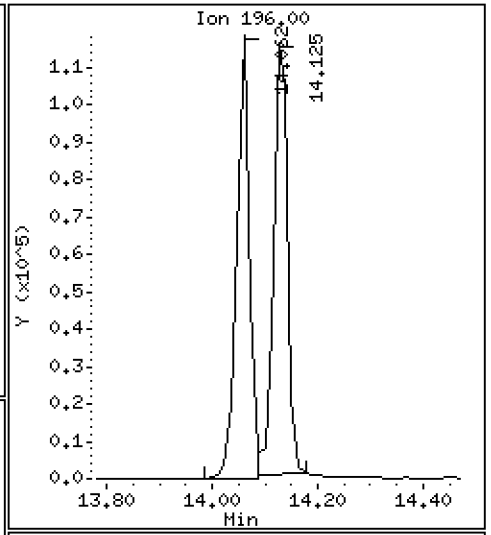
Column phase: ZB-5msi

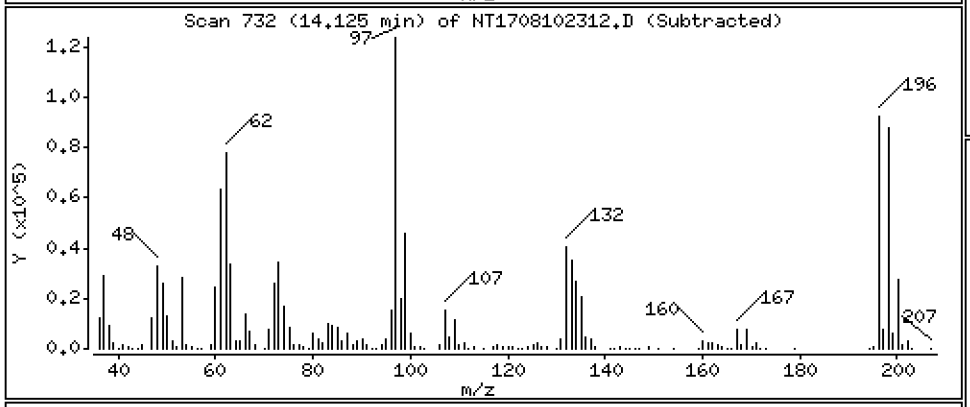
Column diameter: 0.25

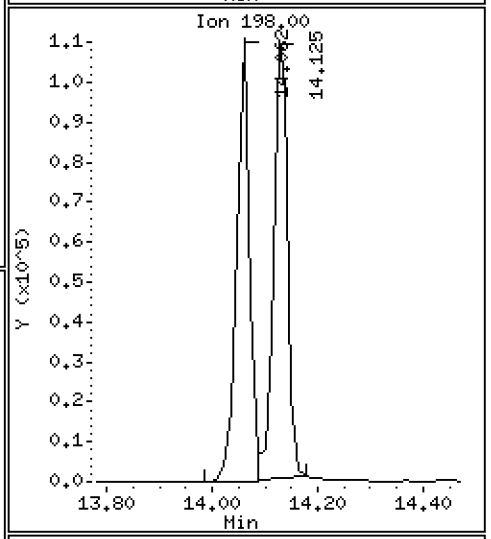
35 2,4,5-Trichlorophenol

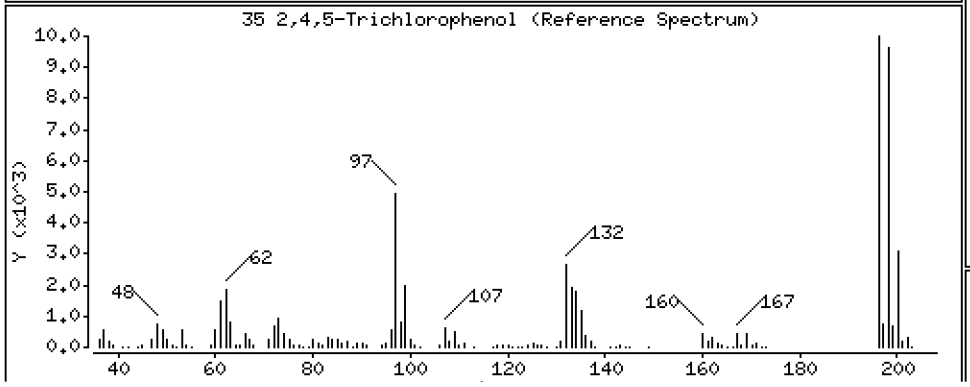
Concentration: 5.127 ug/mL

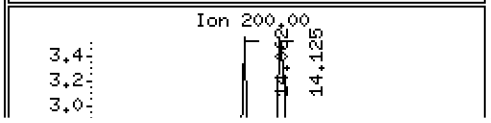












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

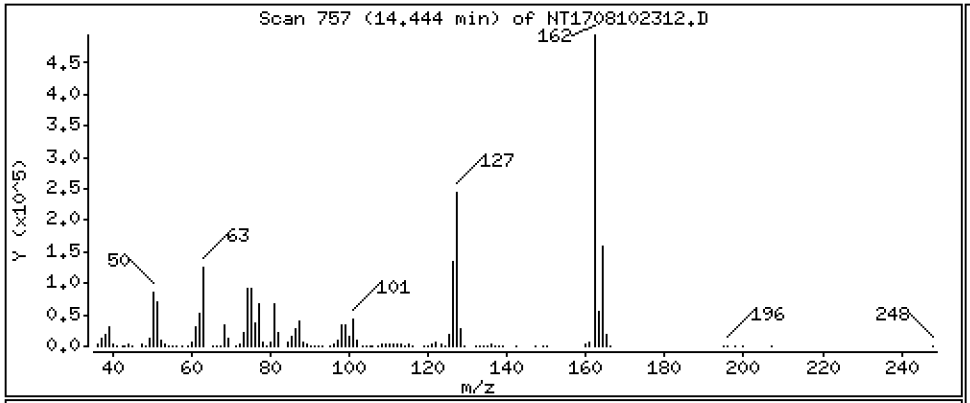
Operator: JGR

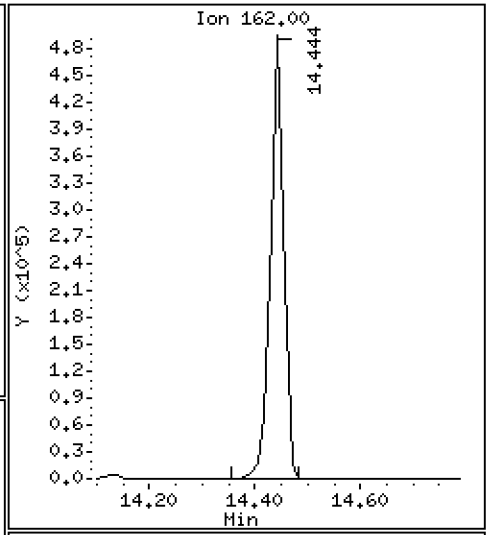
Column phase: ZB-5msi

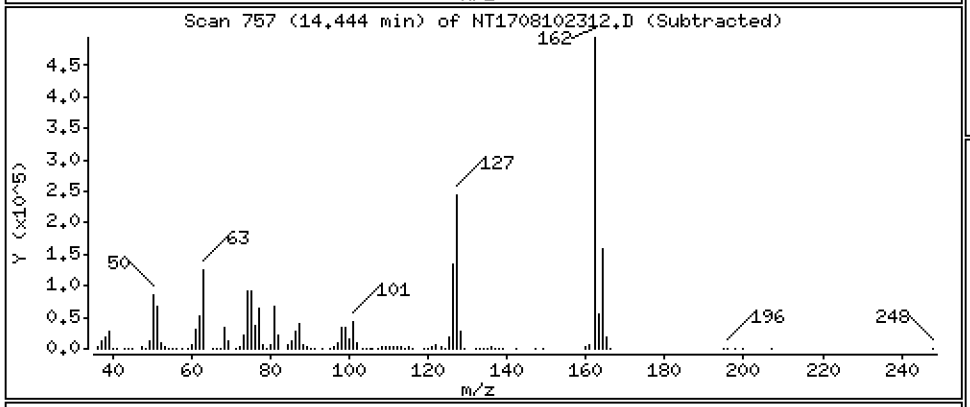
Column diameter: 0.25

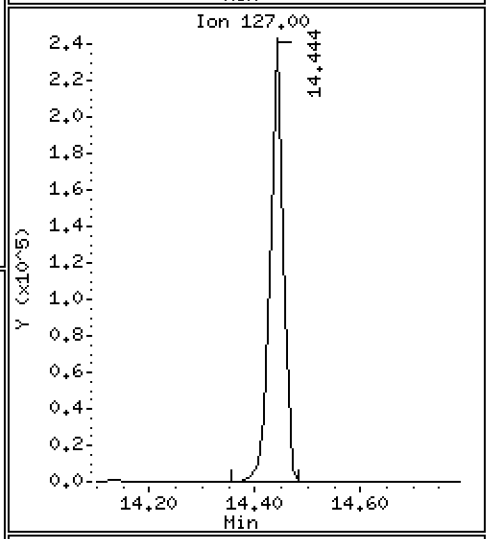
37 2-Chloronaphthalene

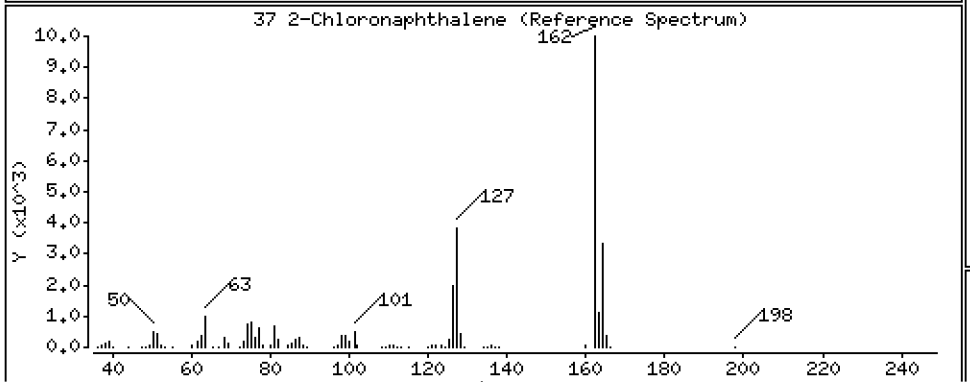
Concentration: 5.507 ug/mL

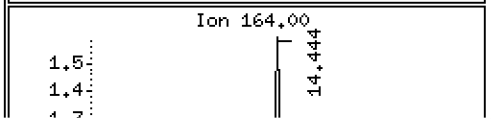












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

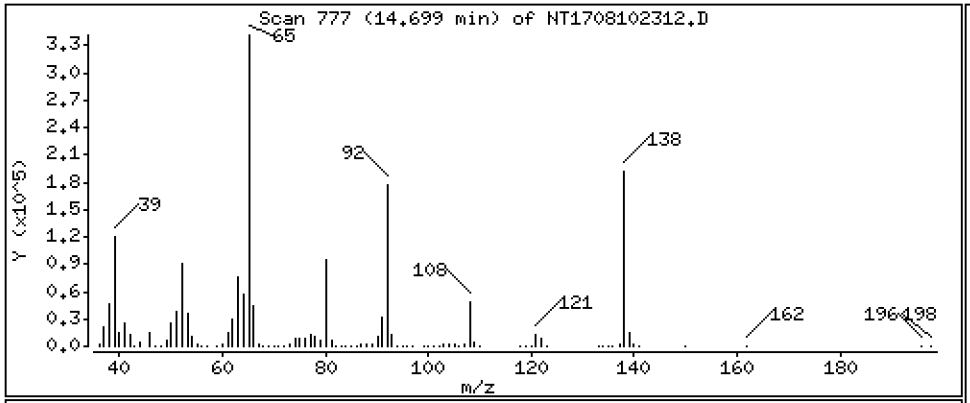
Operator: JGR

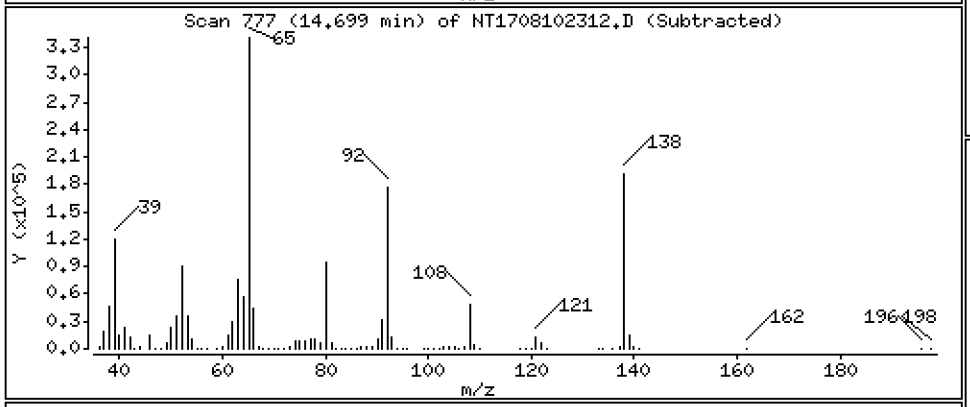
Column phase: ZB-5msi

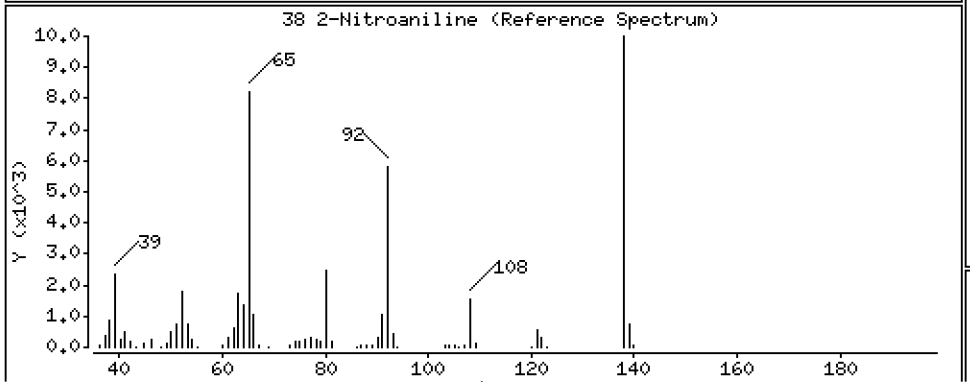
Column diameter: 0.25

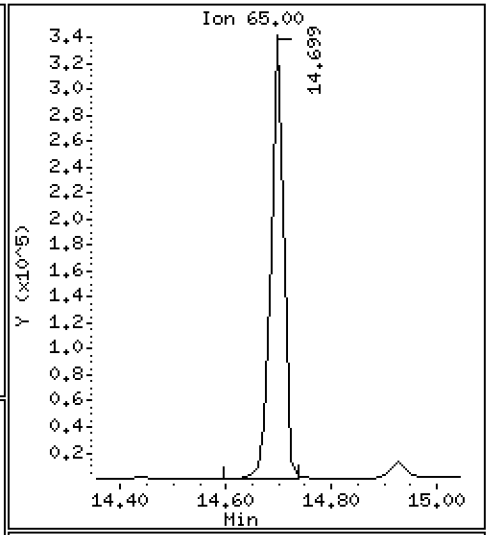
38 2-Nitroaniline

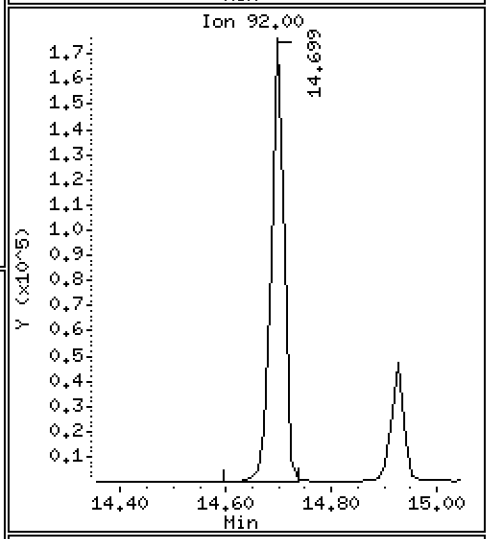
Concentration: 4.630 ug/mL

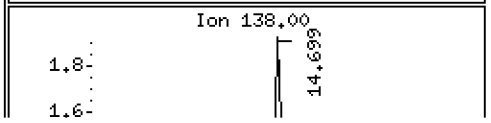












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

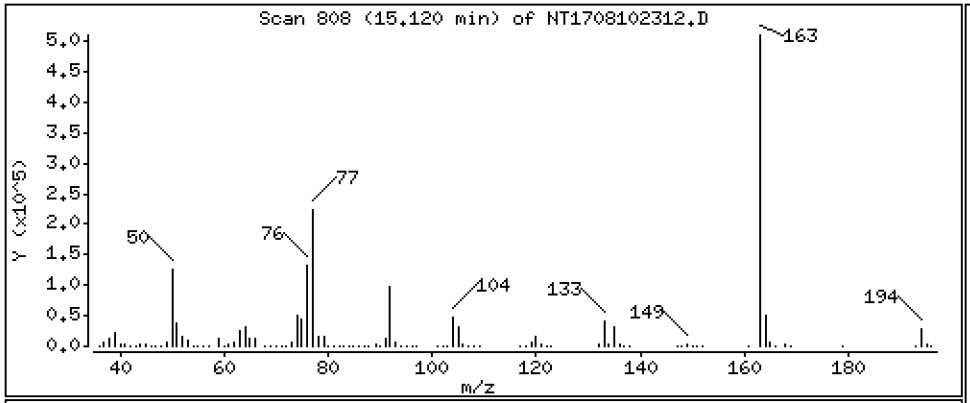
Operator: JGR

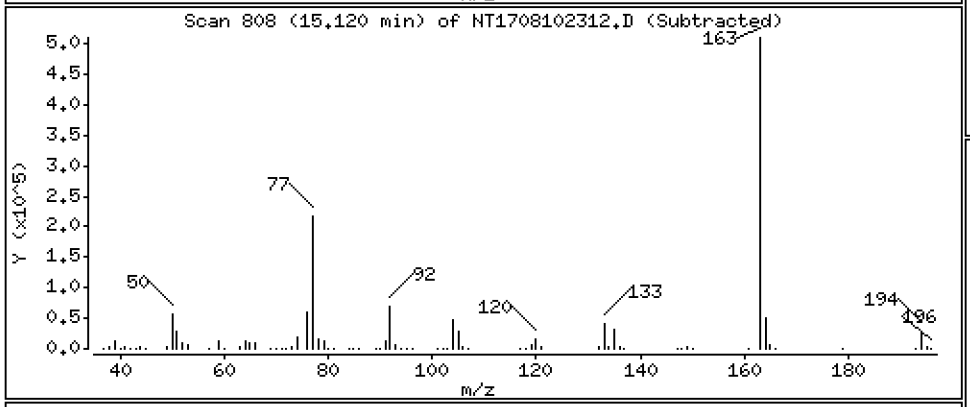
Column phase: ZB-5msi

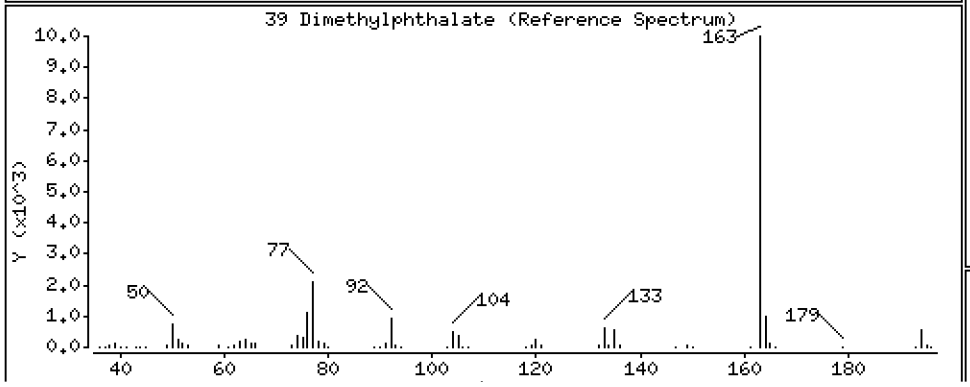
Column diameter: 0.25

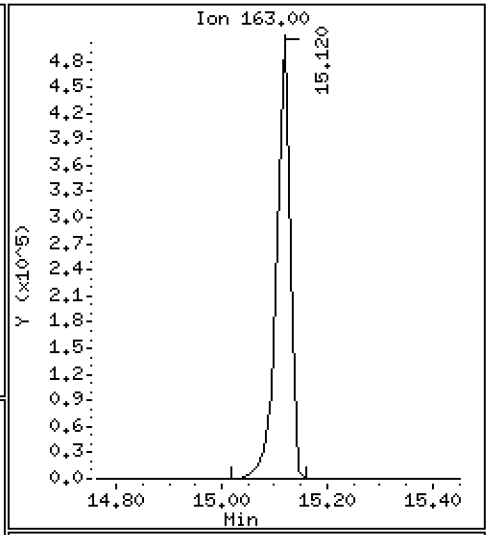
39 Dimethylphthalate

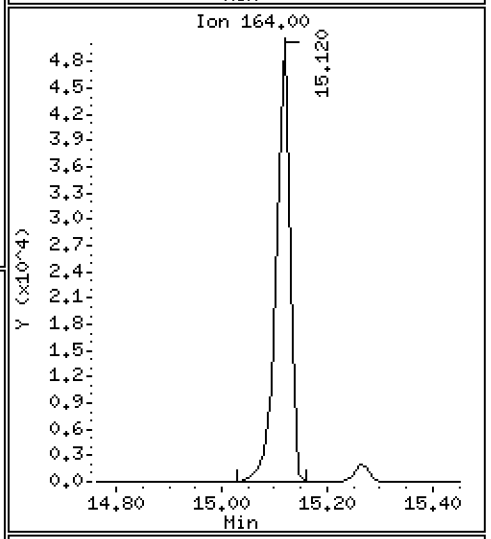
Concentration: 5.665 ug/mL

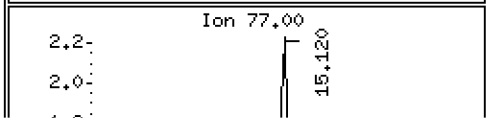












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

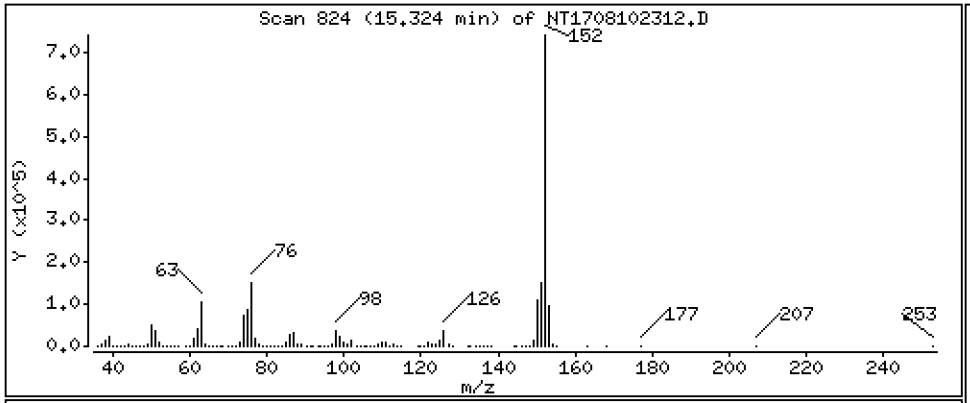
Operator: JGR

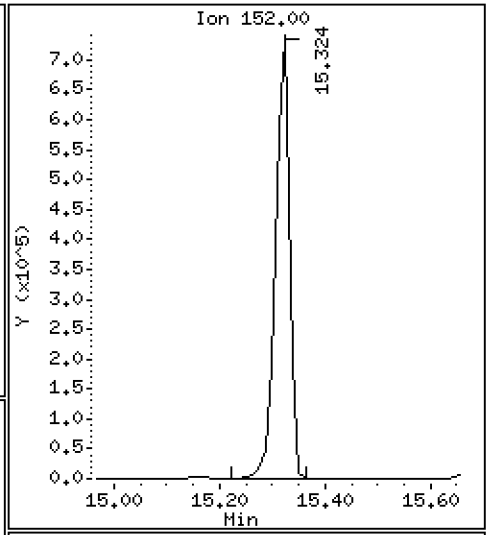
Column phase: ZB-5msi

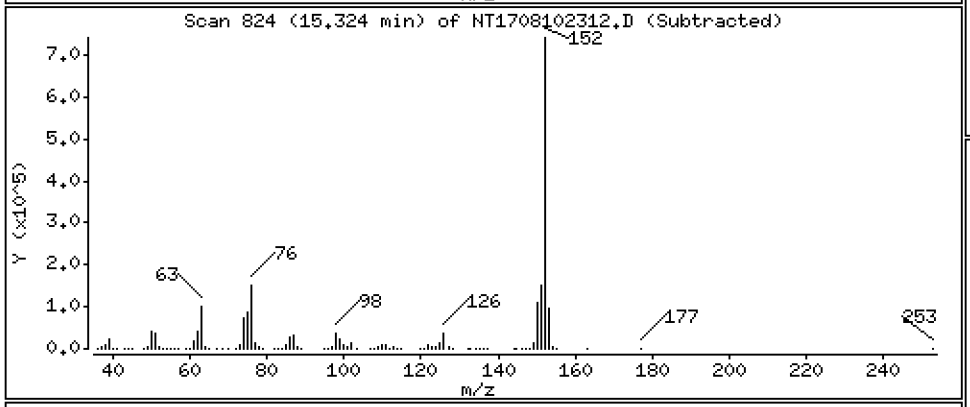
Column diameter: 0.25

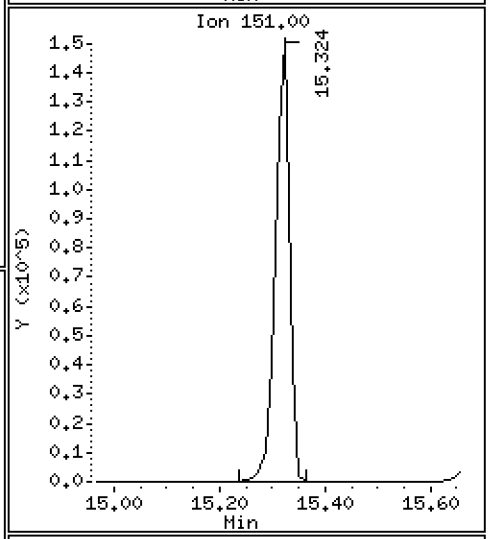
40 Acenaphthylene

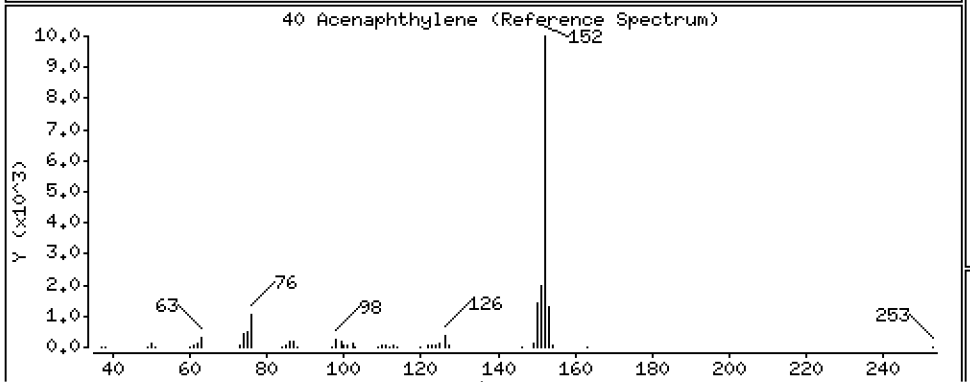
Concentration: 5.818 ug/mL

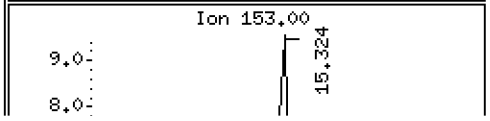












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

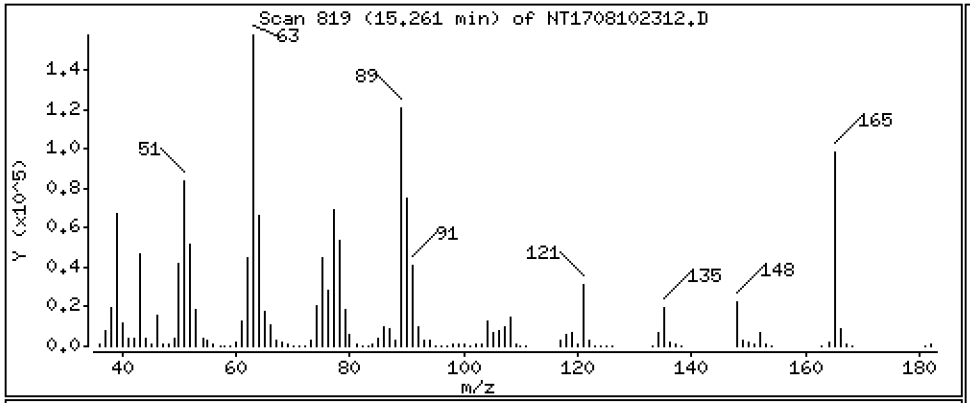
Operator: JGR

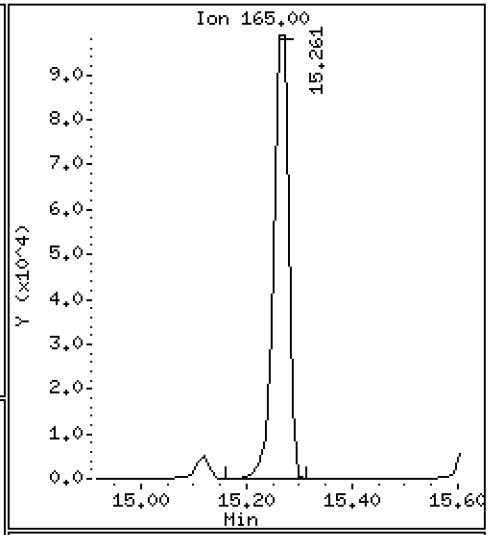
Column phase: ZB-5msi

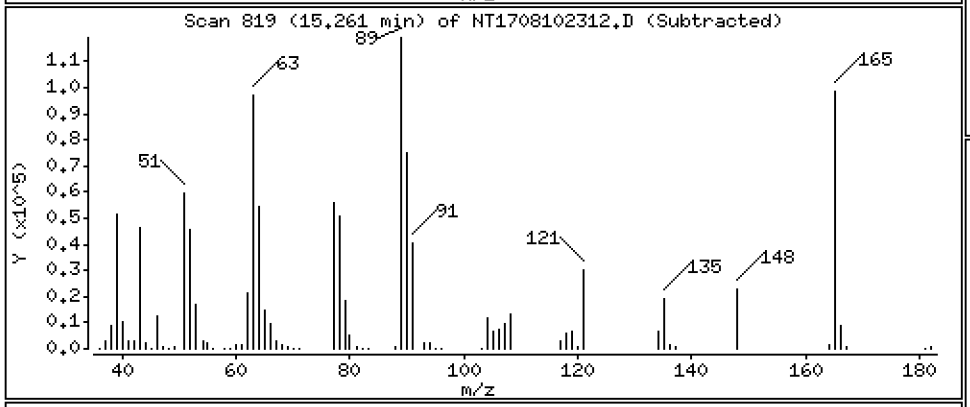
Column diameter: 0.25

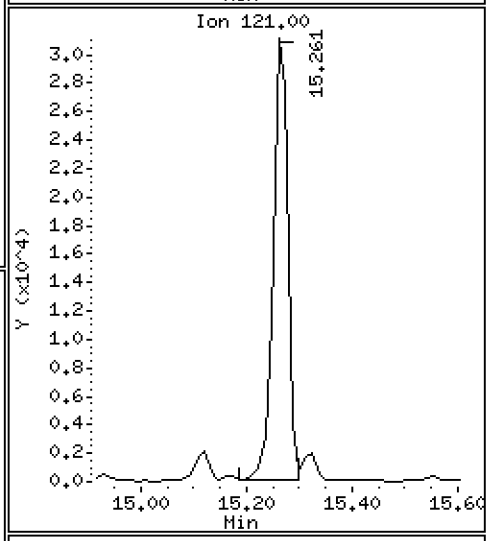
41 2,6-Dinitrotoluene

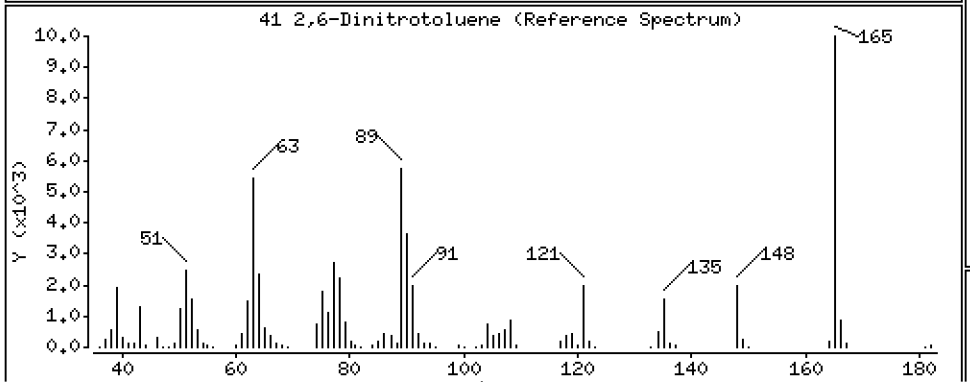
Concentration: 5.757 ug/mL

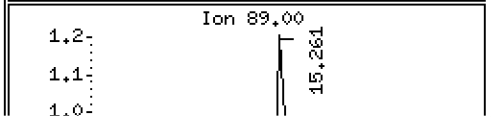












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

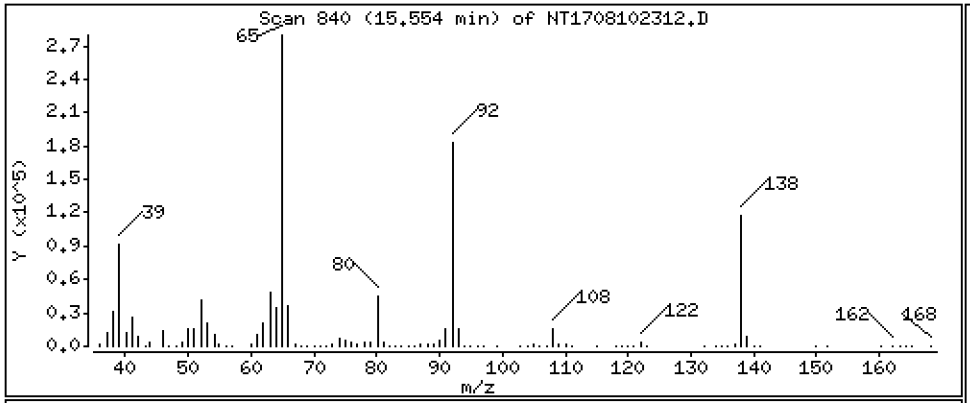
Operator: JGR

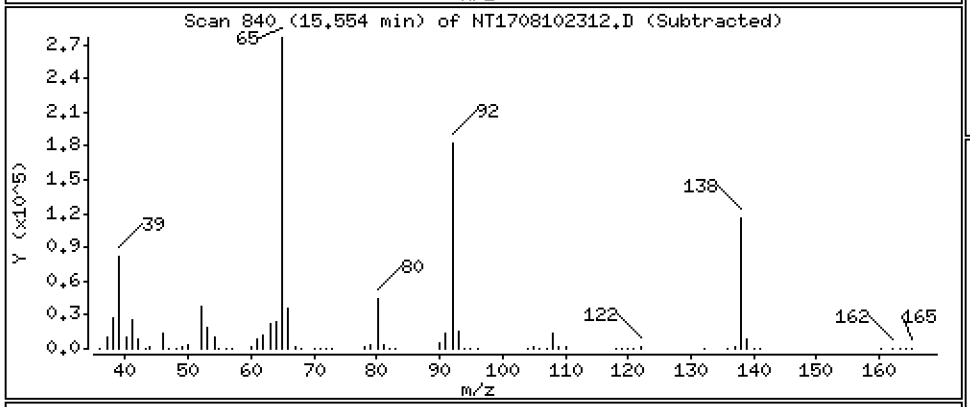
Column phase: ZB-5msi

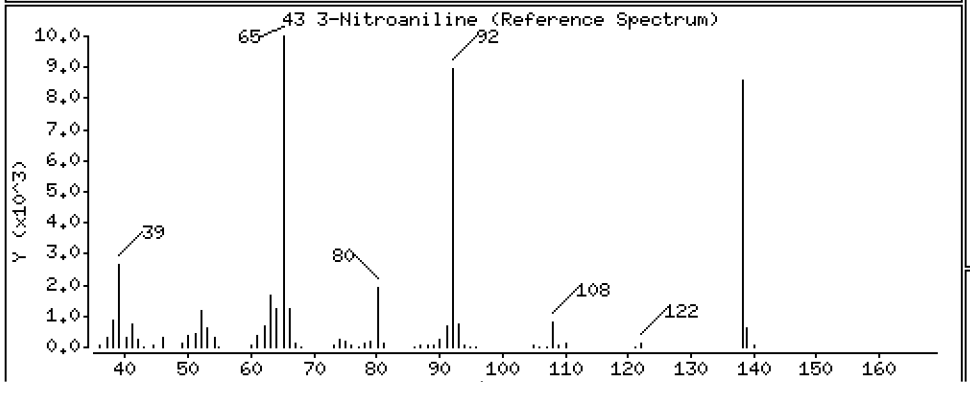
Column diameter: 0.25

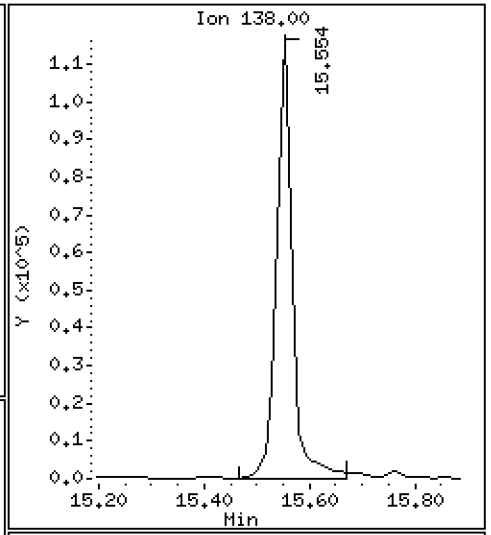
43 3-Nitroaniline

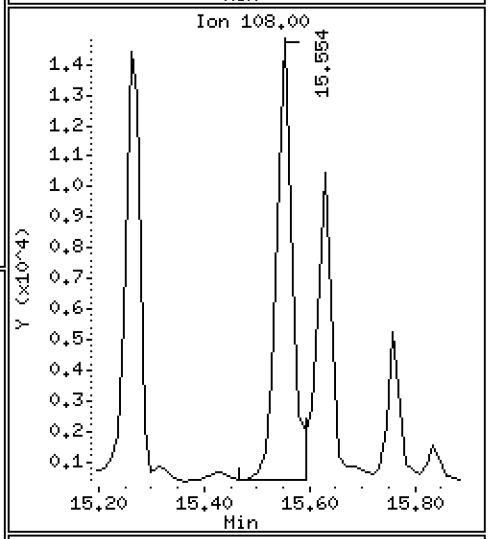
Concentration: 4.284 ug/mL

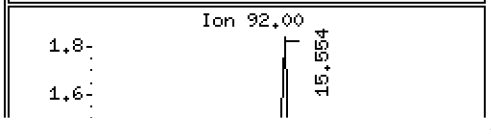












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

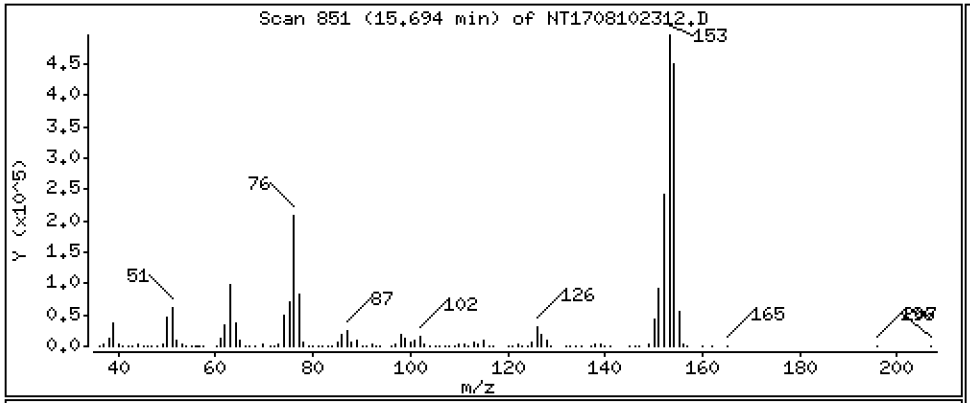
Operator: JGR

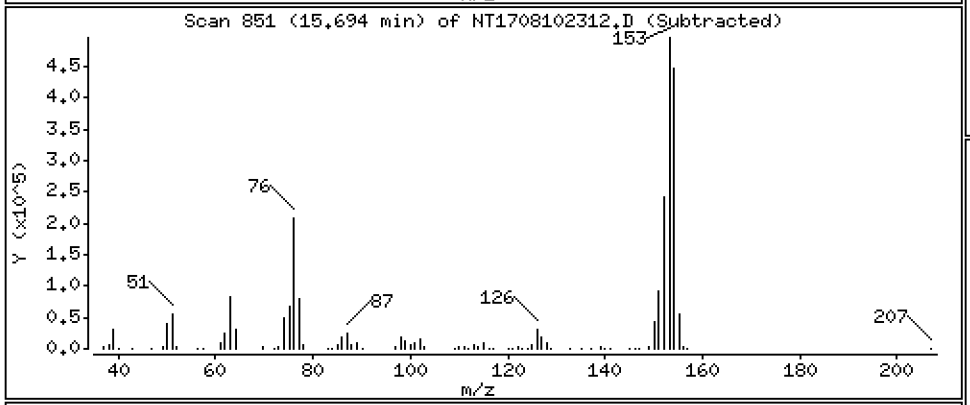
Column phase: ZB-5msi

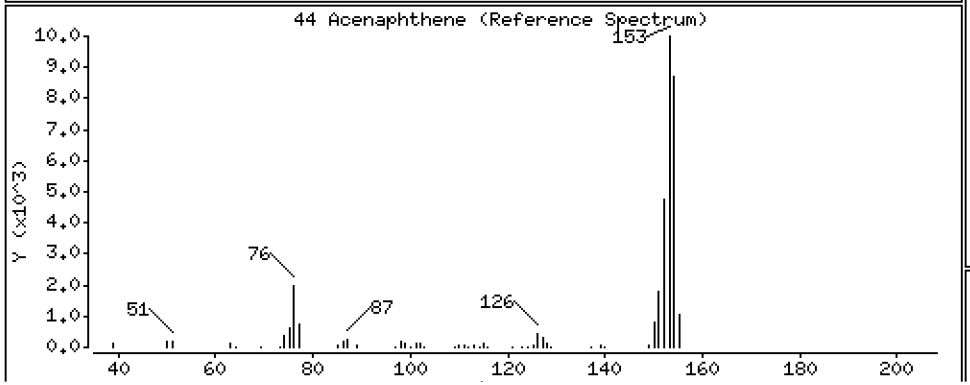
Column diameter: 0.25

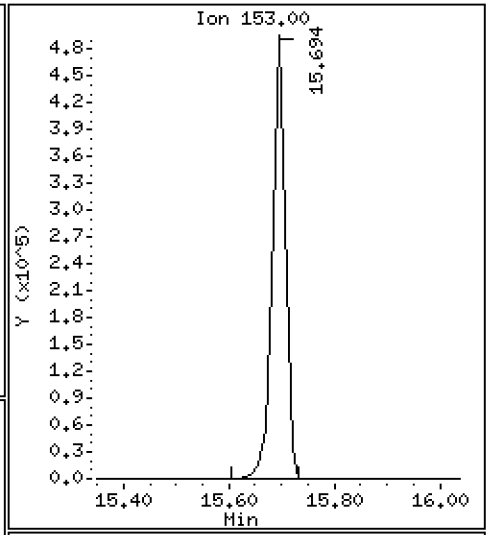
44 Acenaphthene

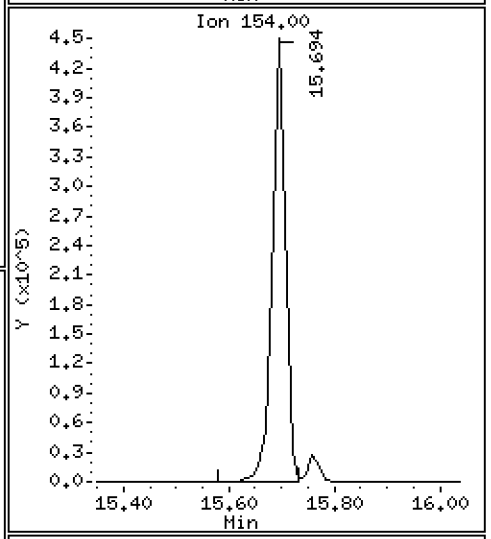
Concentration: 5.768 ug/mL

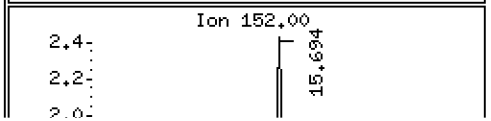












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

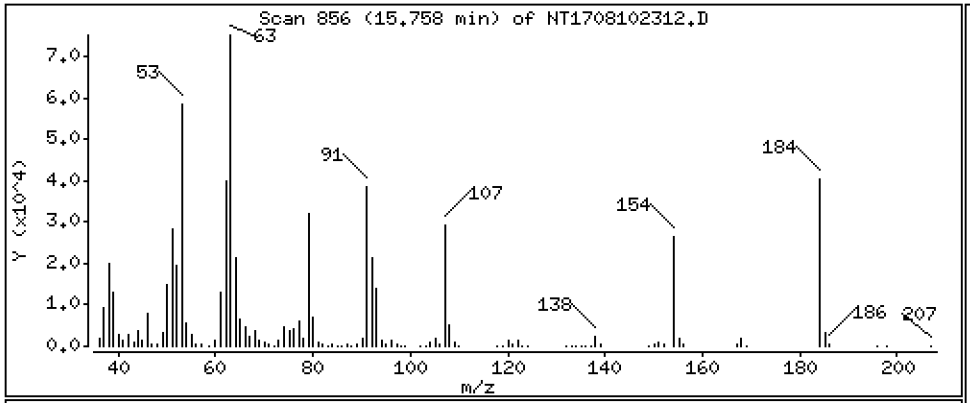
Operator: JGR

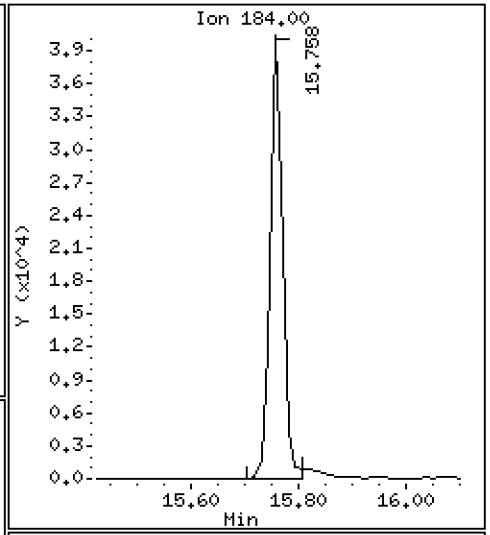
Column phase: ZB-5msi

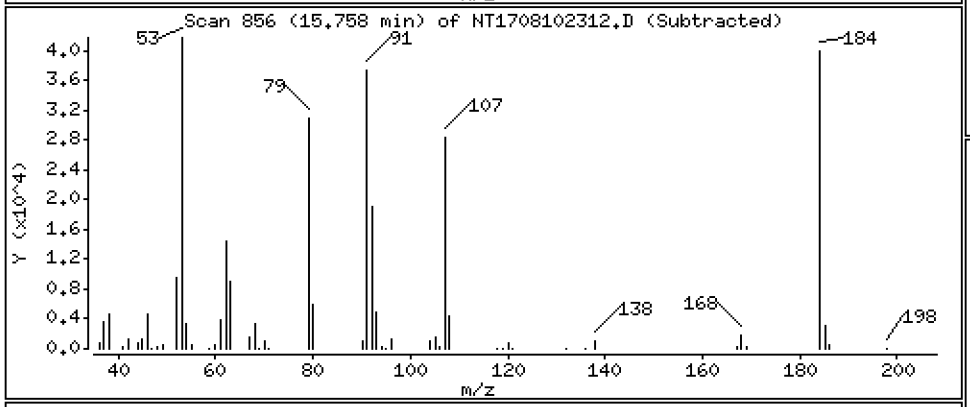
Column diameter: 0.25

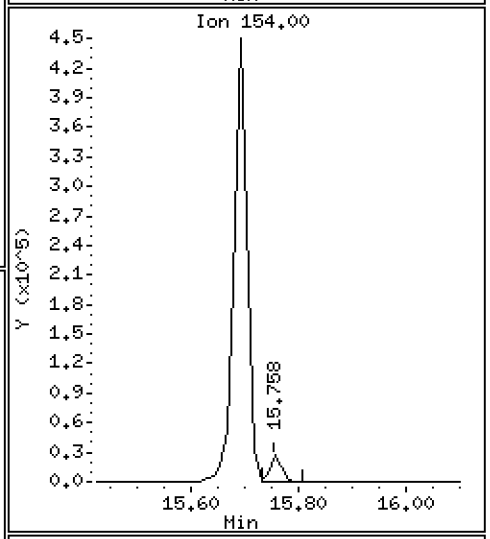
45 2,4-Dinitrophenol

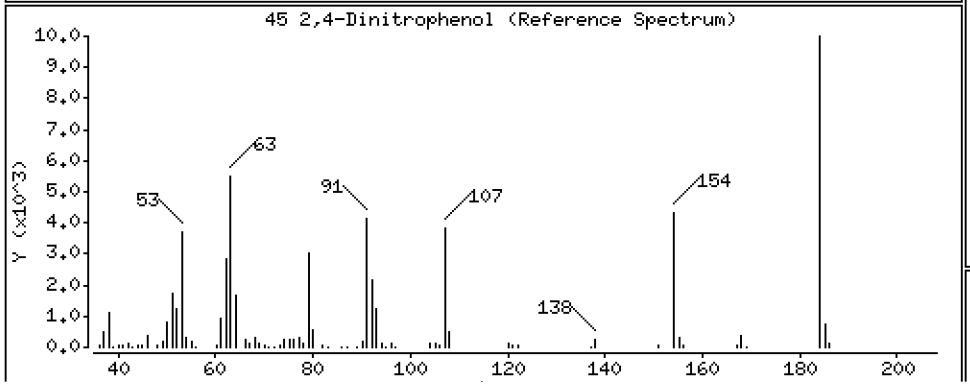
Concentration: 3.268 ug/mL

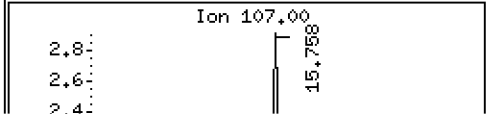












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

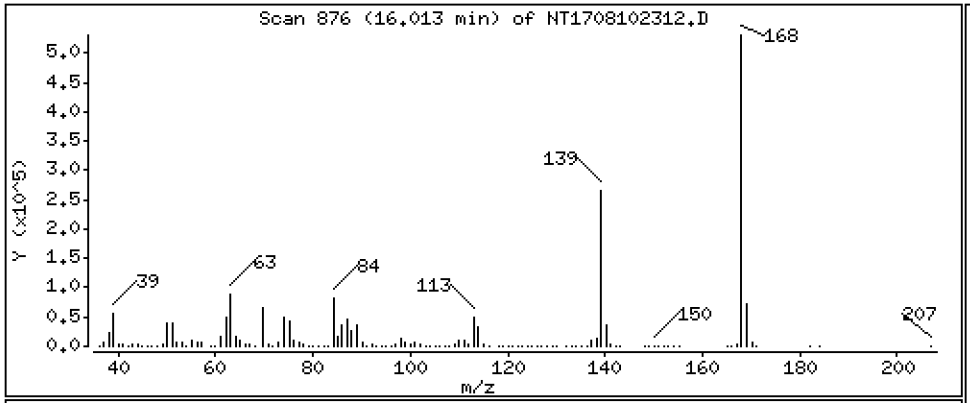
Operator: JGR

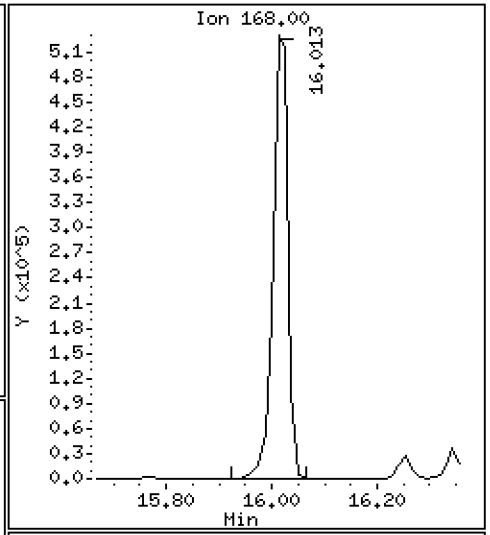
Column phase: ZB-5msi

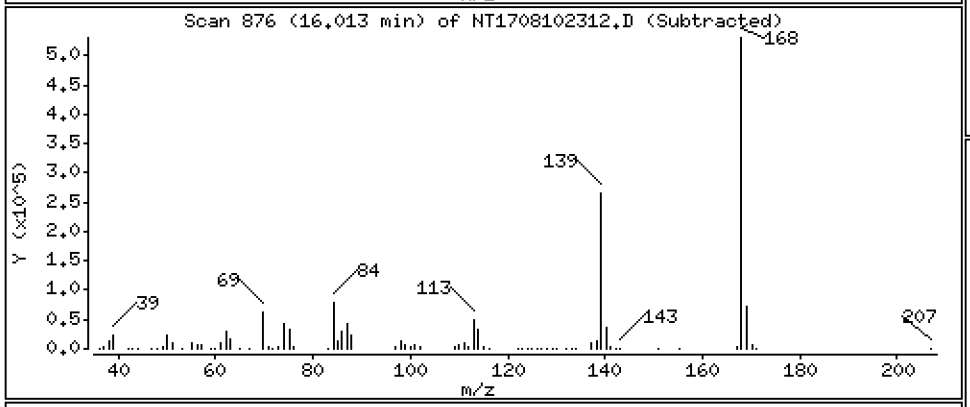
Column diameter: 0.25

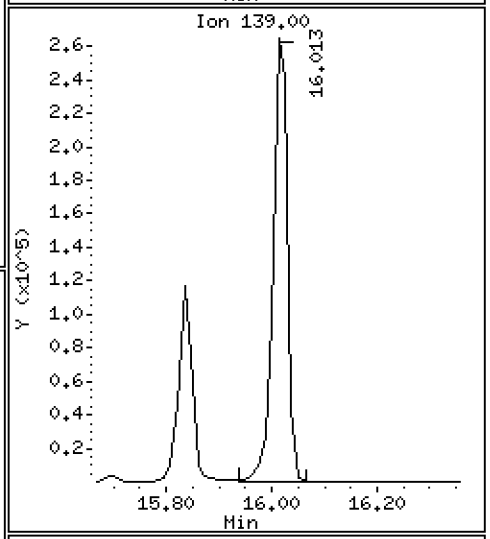
46 Dibenzofuran

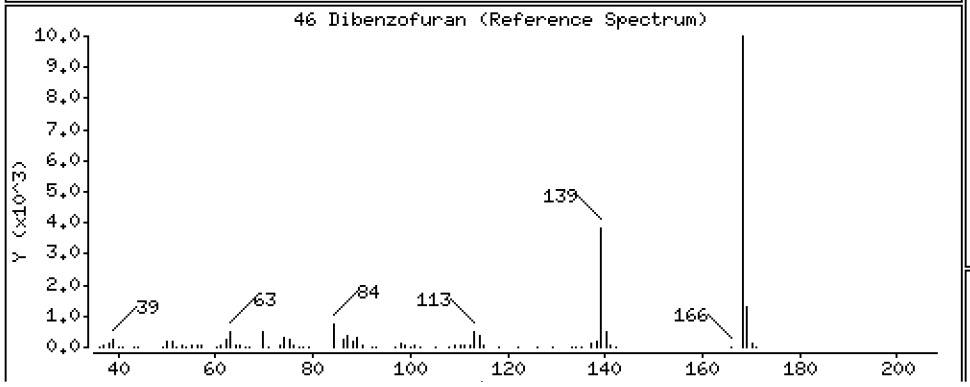
Concentration: 5.407 ug/mL

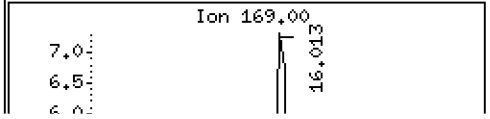












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

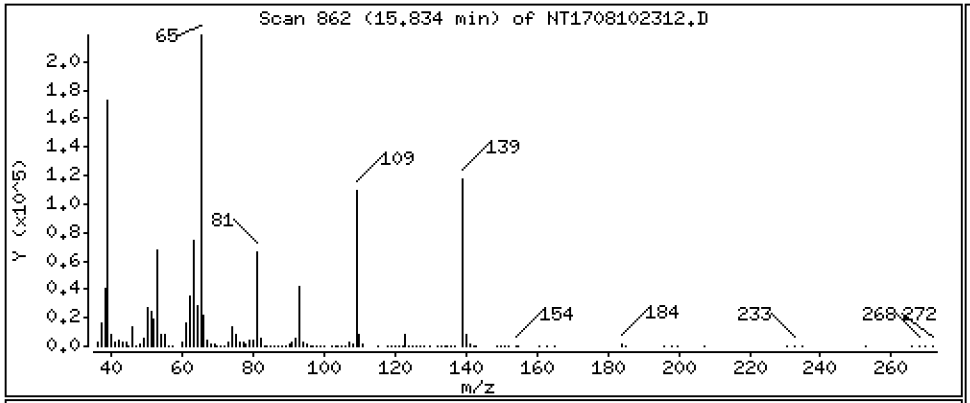
Operator: JGR

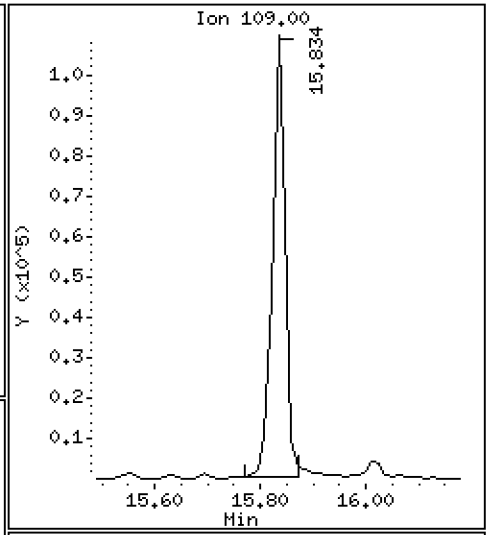
Column phase: ZB-5msi

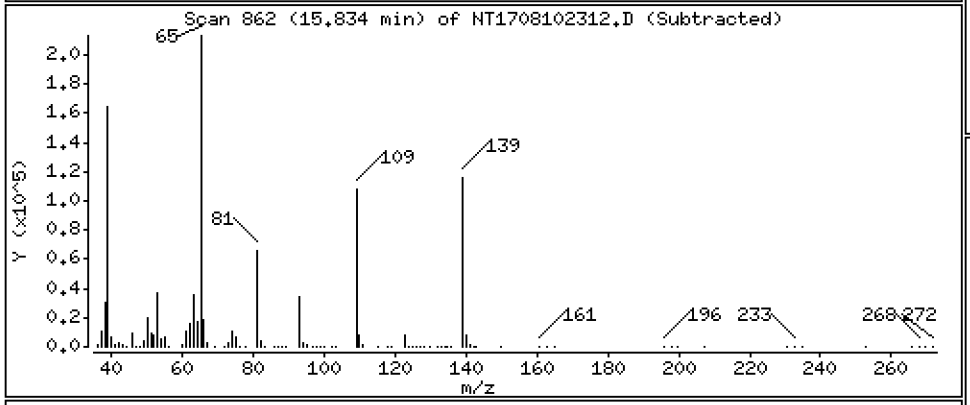
Column diameter: 0.25

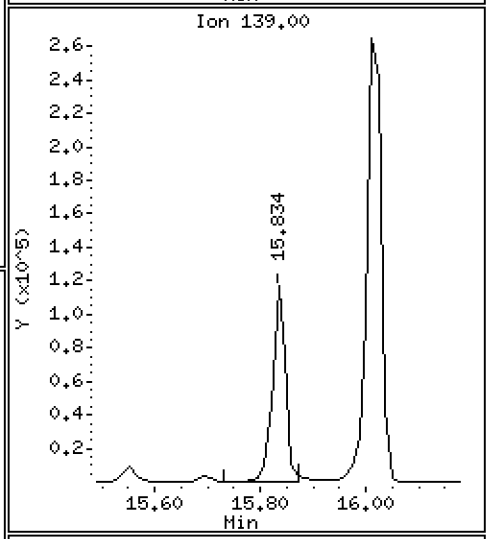
47 4-Nitrophenol

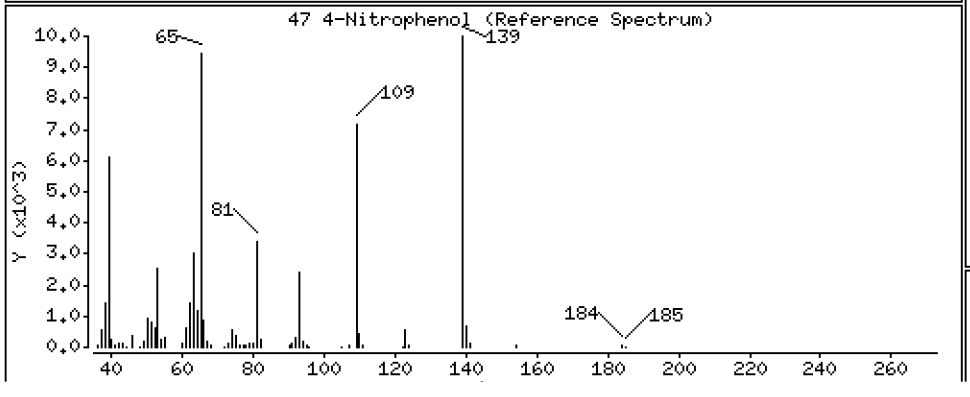
Concentration: 4.556 ug/mL

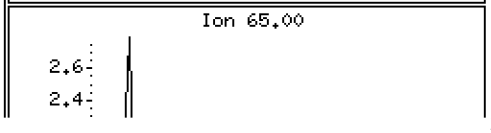












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

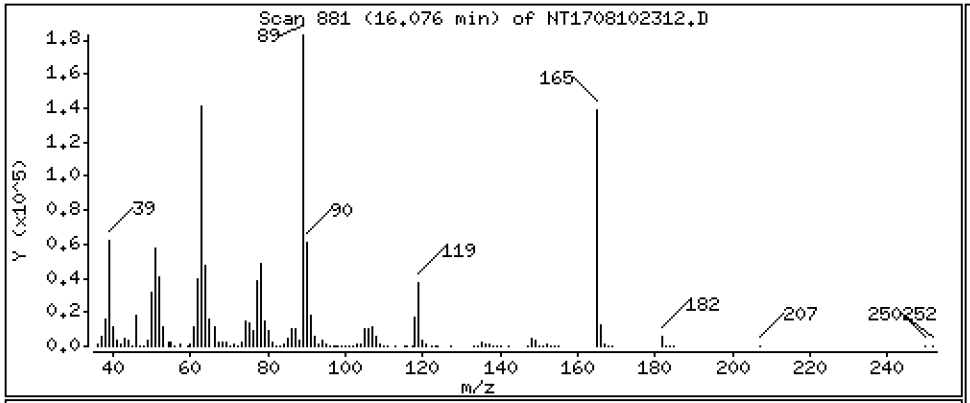
Operator: JGR

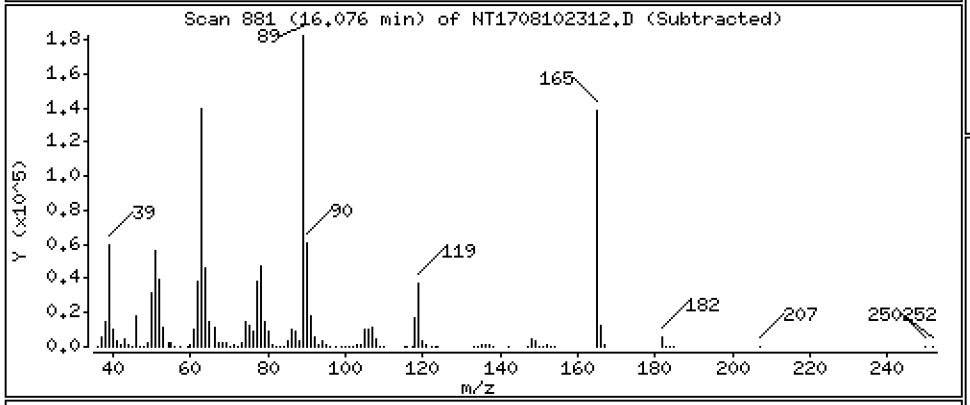
Column phase: ZB-5msi

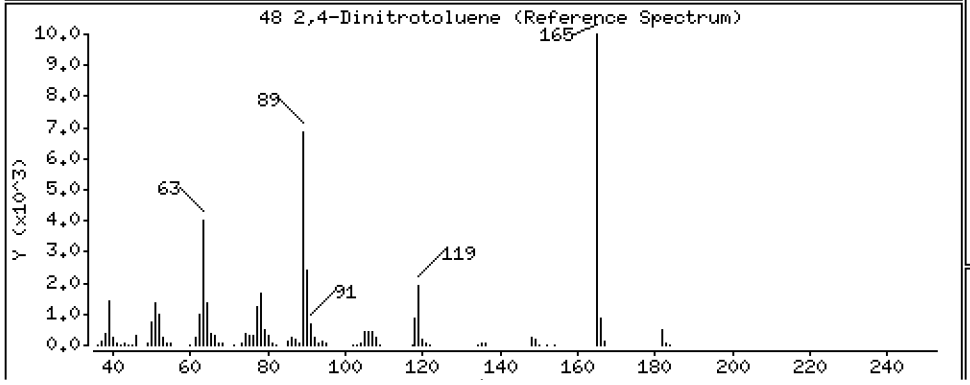
Column diameter: 0.25

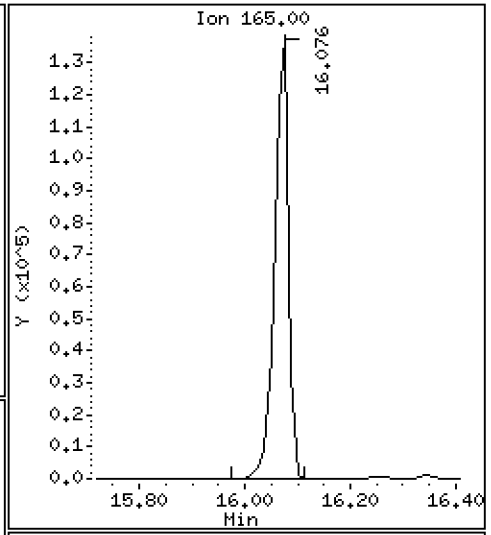
48 2,4-Dinitrotoluene

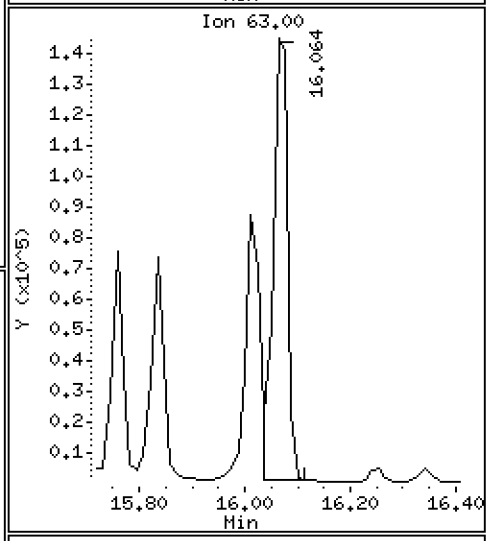
Concentration: 4.762 ug/mL

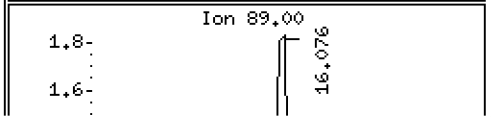












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

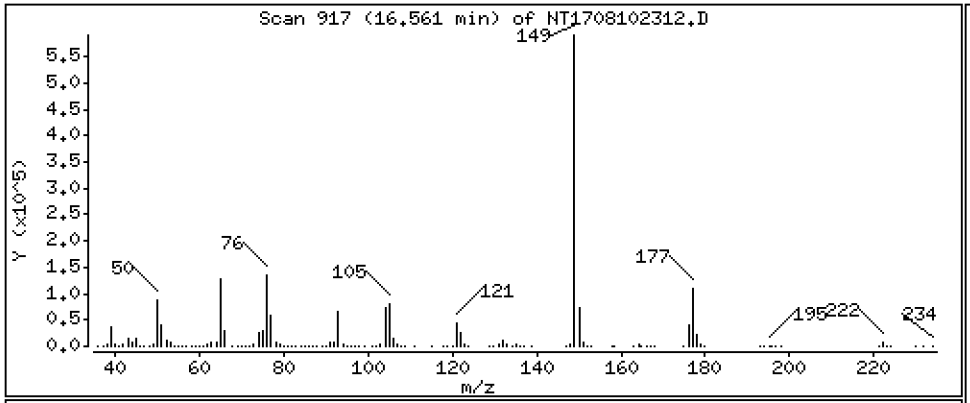
Operator: JGR

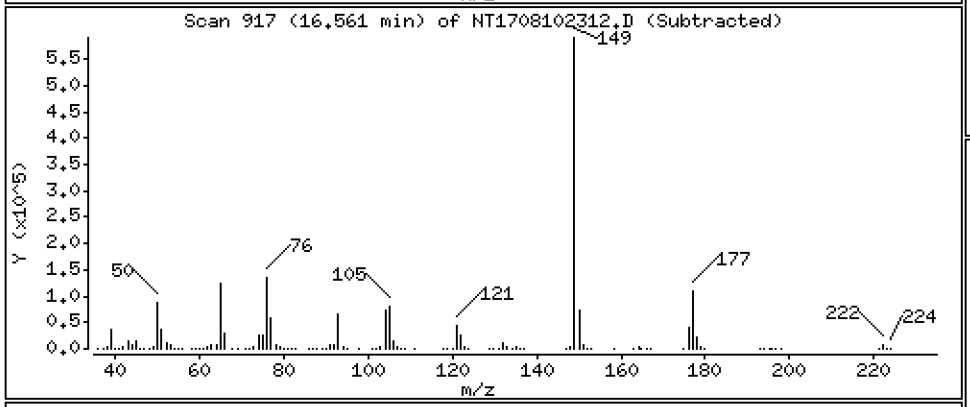
Column phase: ZB-5msi

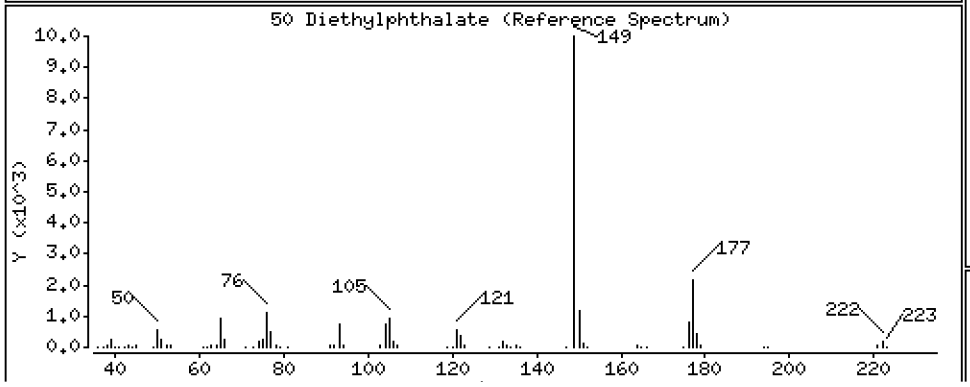
Column diameter: 0.25

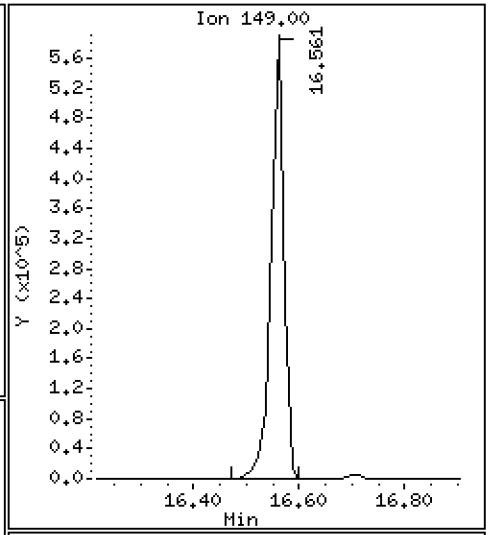
50 Diethylphthalate

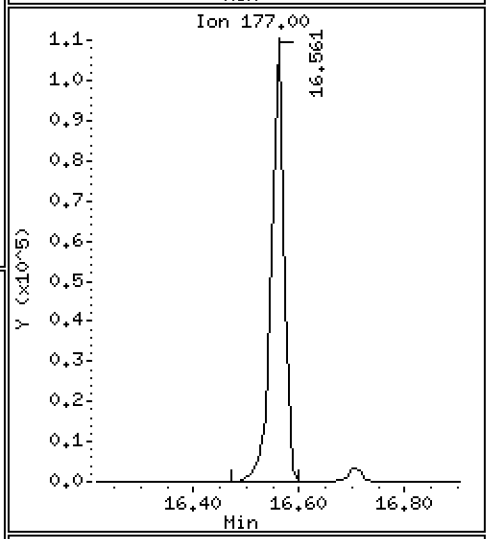
Concentration: 4.848 ug/mL

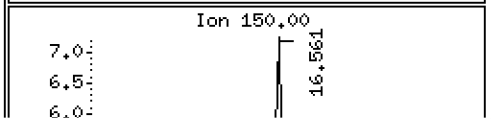












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

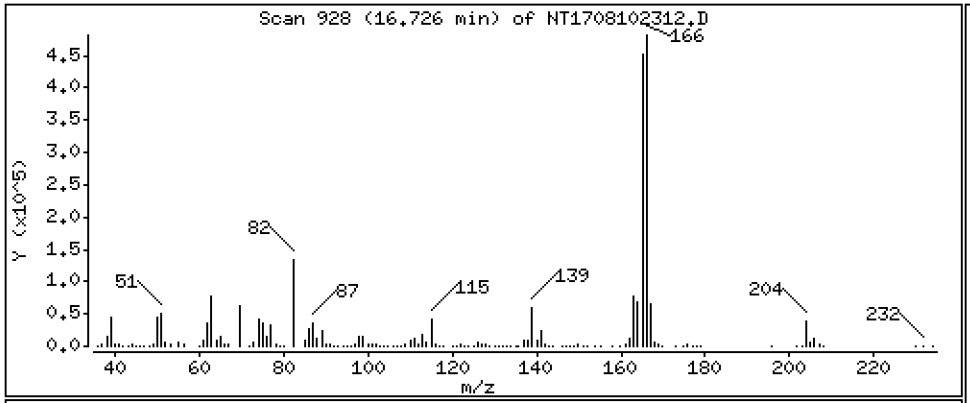
Operator: JGR

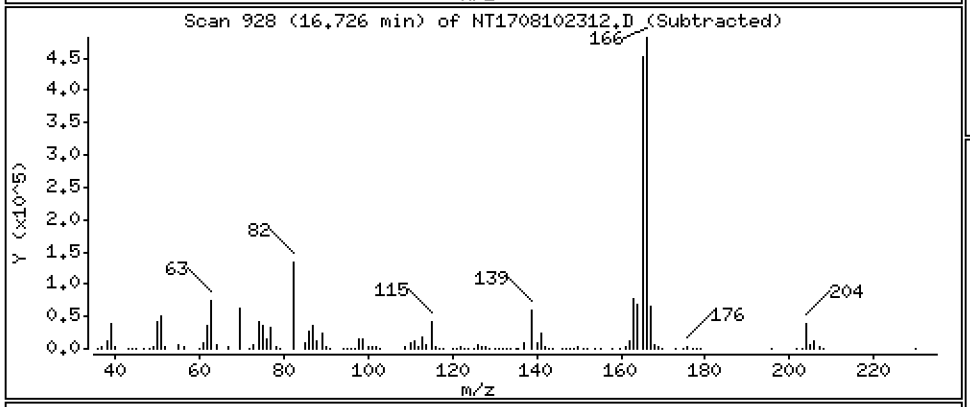
Column phase: ZB-5msi

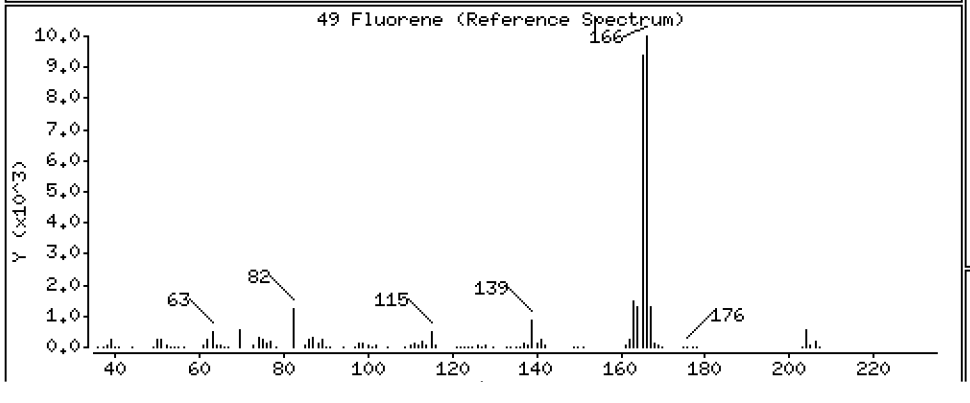
Column diameter: 0.25

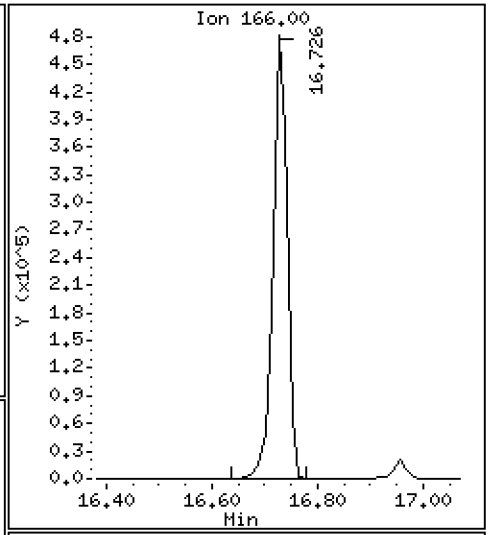
49 Fluorene

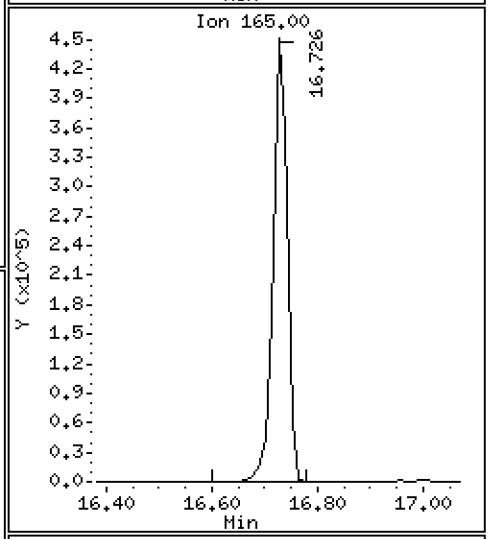
Concentration: 5.565 ug/mL

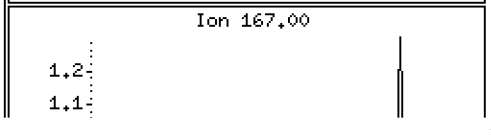












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

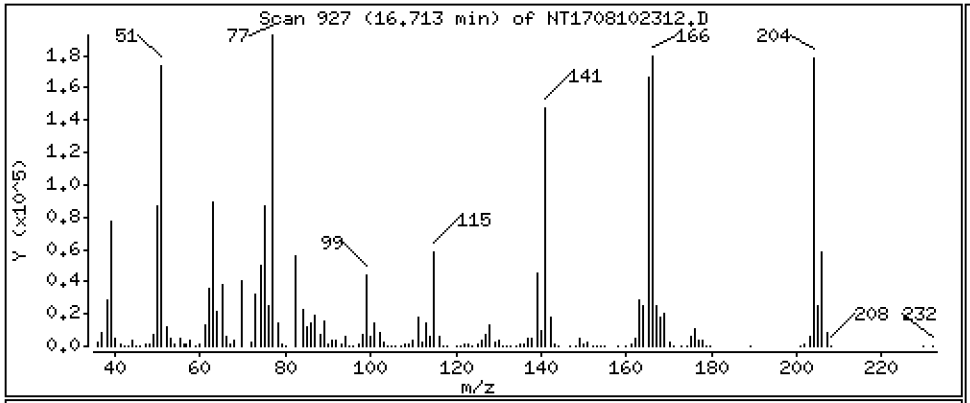
Operator: JGR

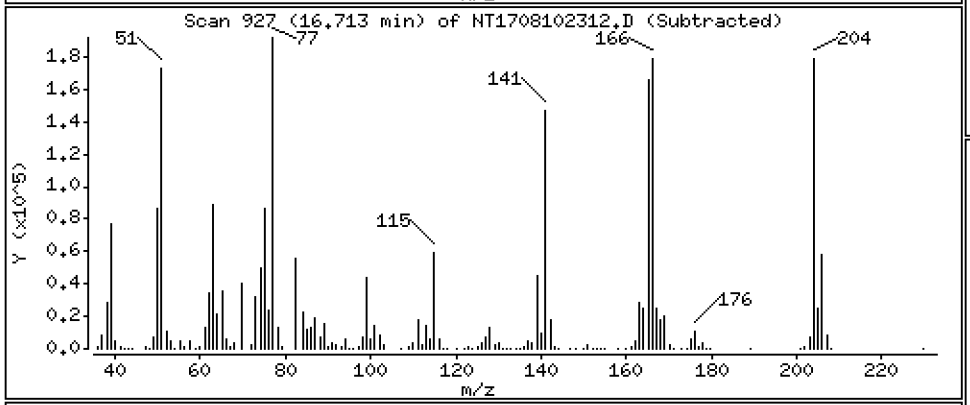
Column phase: ZB-5msi

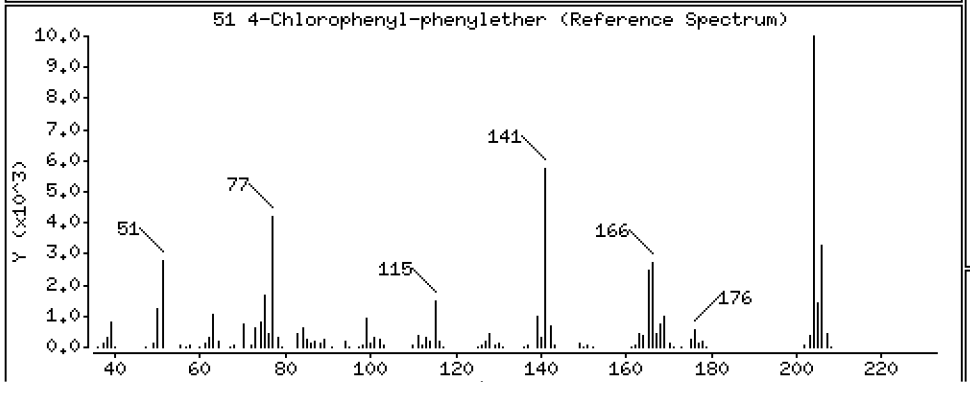
Column diameter: 0.25

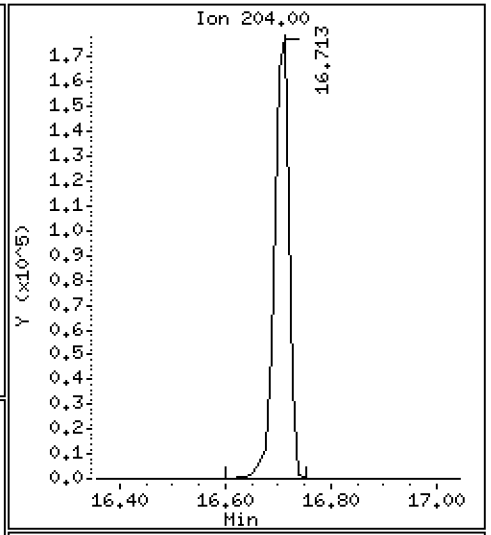
51 4-Chlorophenyl-phenylether

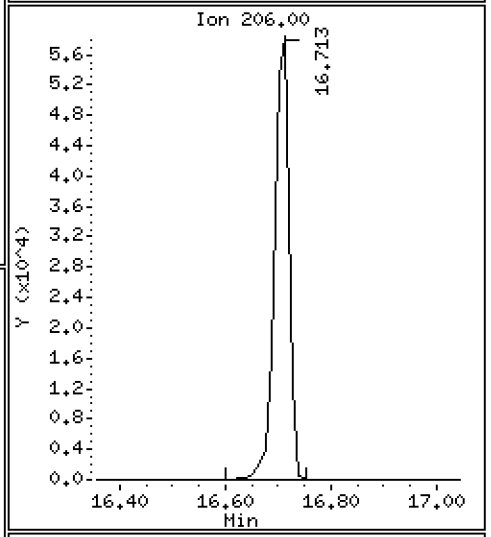
Concentration: 5.720 ug/mL

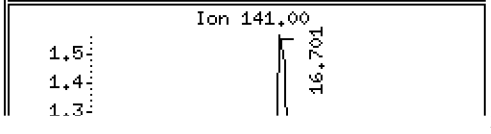












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

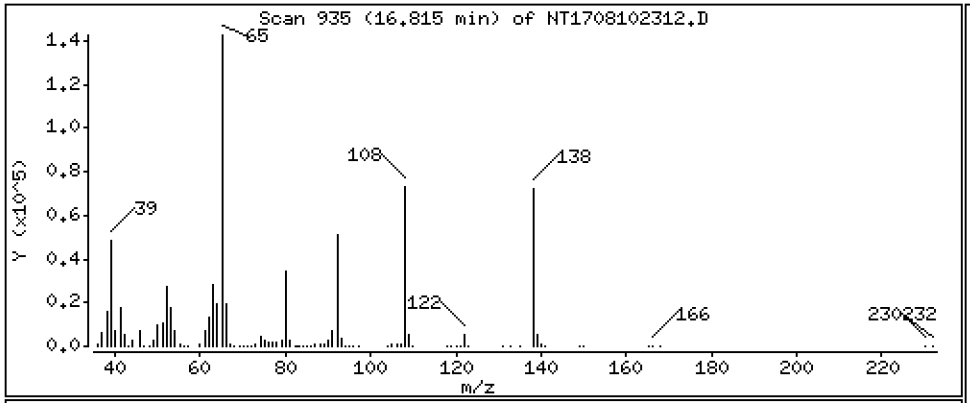
Operator: JGR

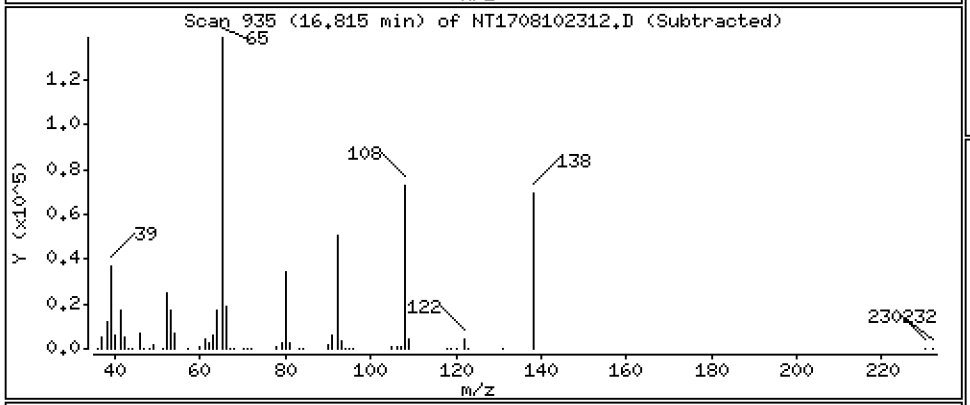
Column phase: ZB-5msi

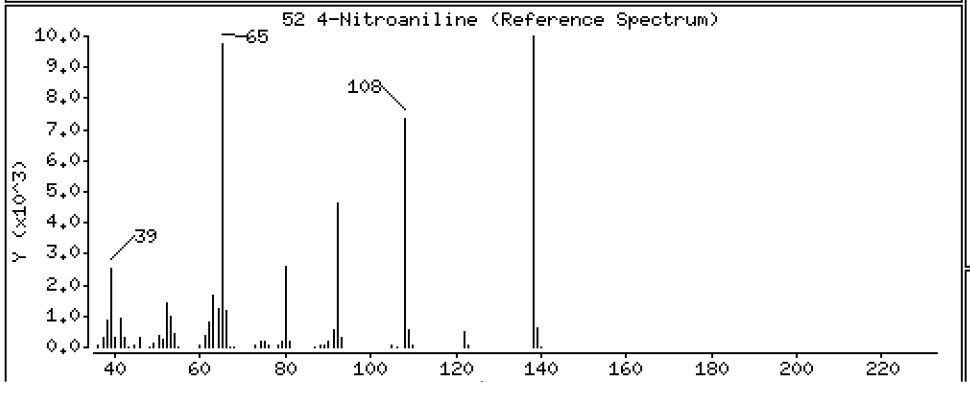
Column diameter: 0.25

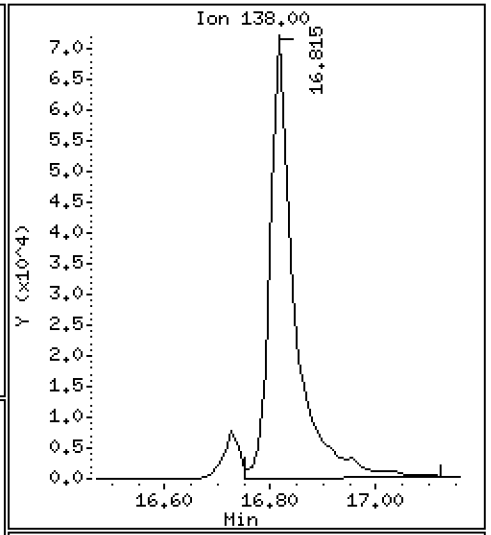
52 4-Nitroaniline

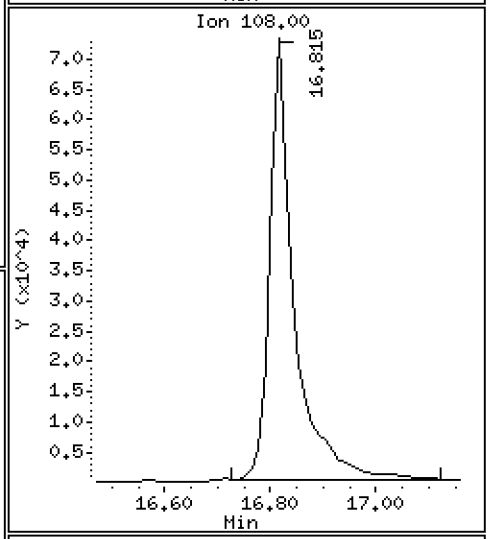
Concentration: 5.127 ug/mL

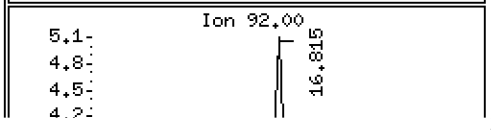












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

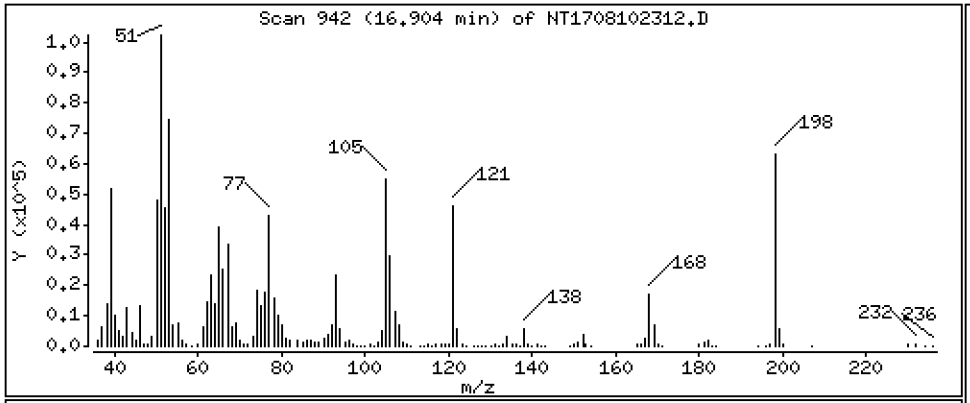
Operator: JGR

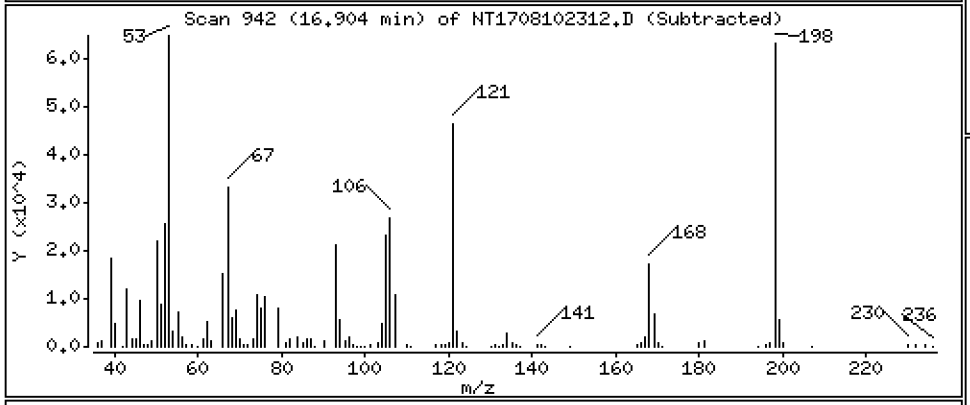
Column phase: ZB-5msi

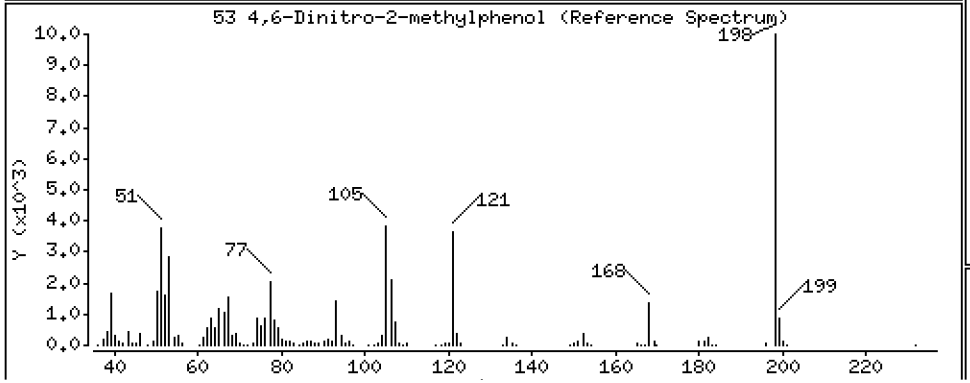
Column diameter: 0.25

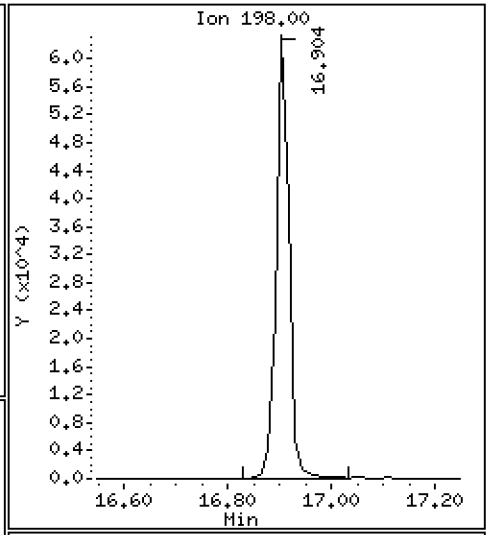
53 4,6-Dinitro-2-methylphenol

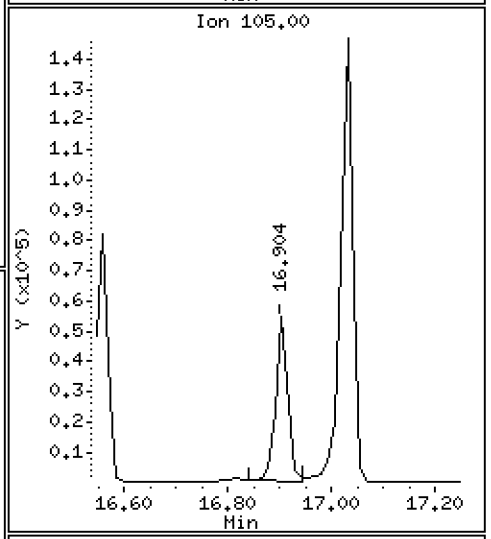
Concentration: 3.719 ug/mL

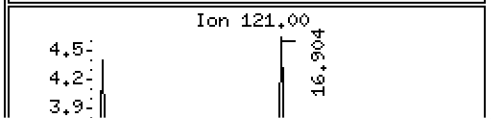












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

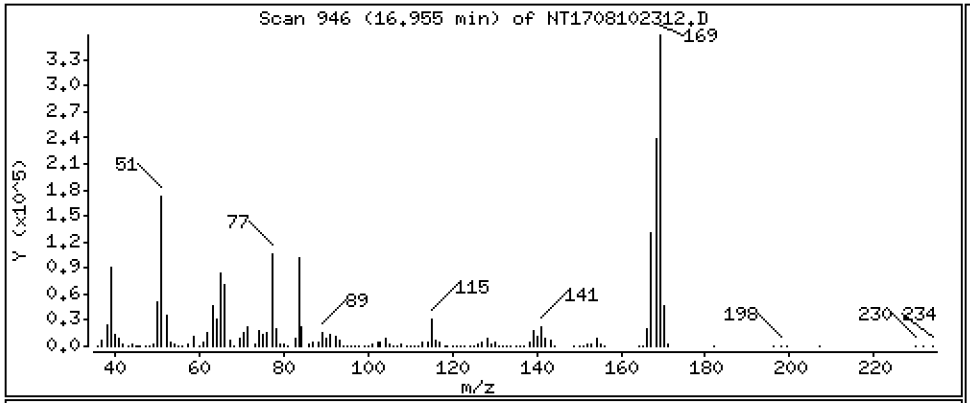
Operator: JGR

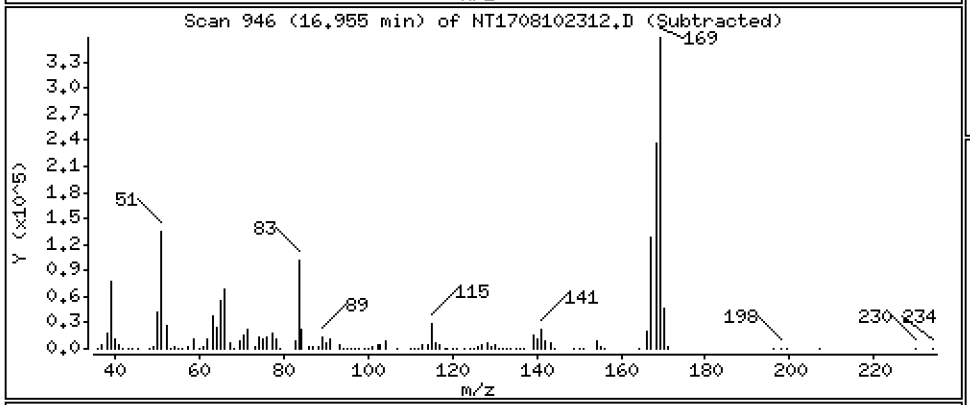
Column phase: ZB-5msi

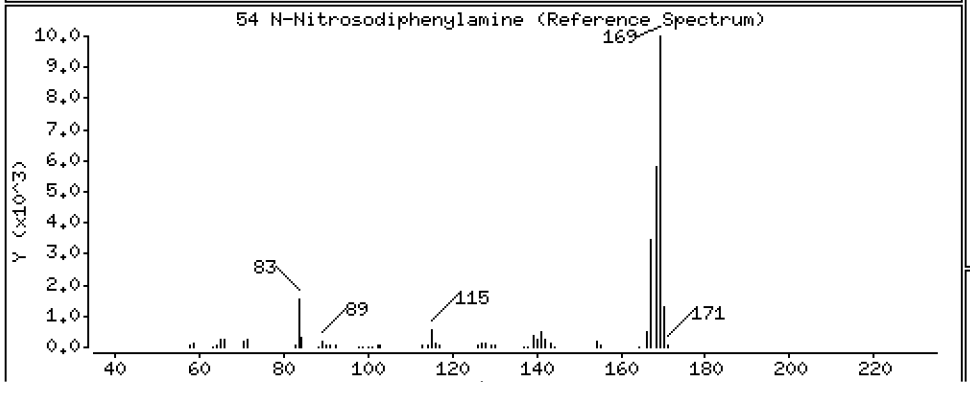
Column diameter: 0.25

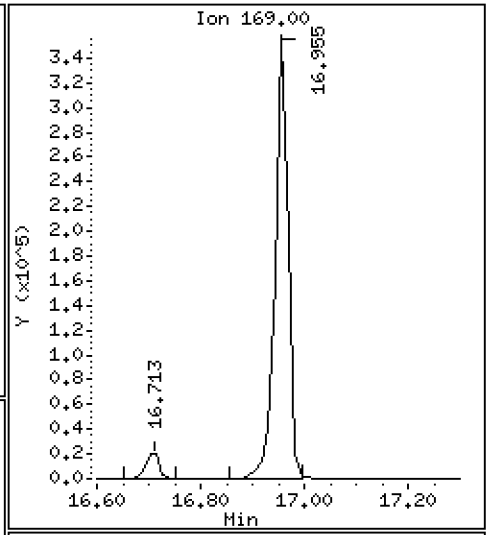
54 N-Nitrosodiphenylamine

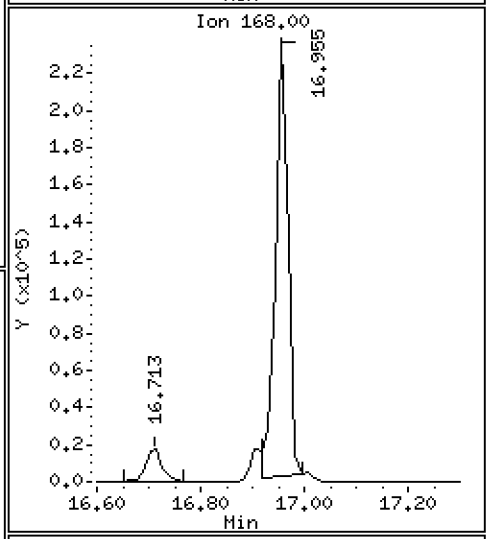
Concentration: 5.252 ug/mL

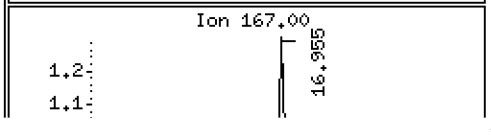












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

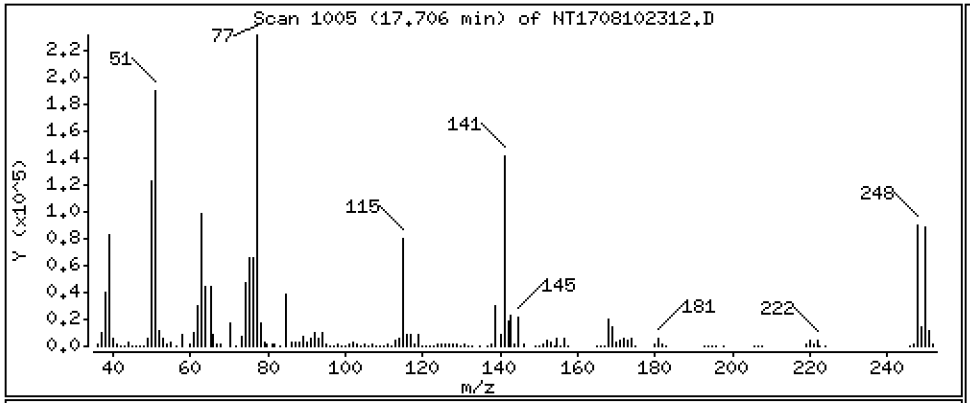
Operator: JGR

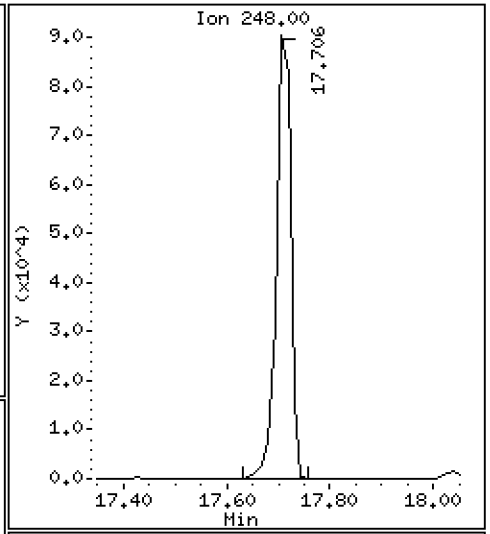
Column phase: ZB-5msi

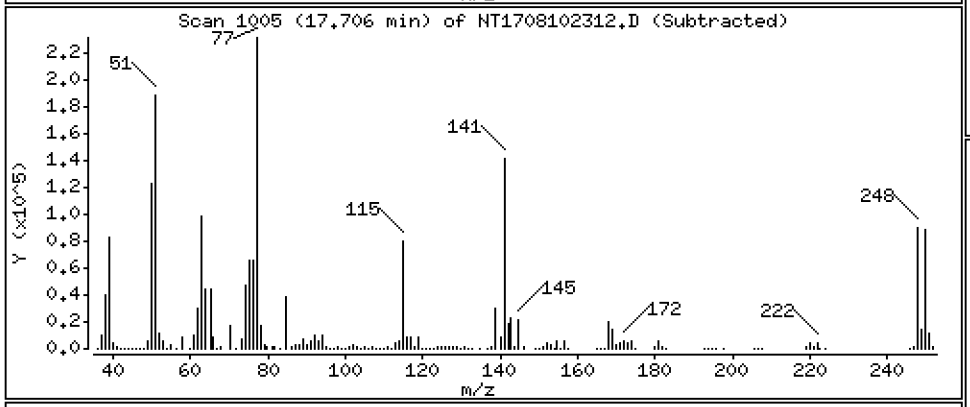
Column diameter: 0.25

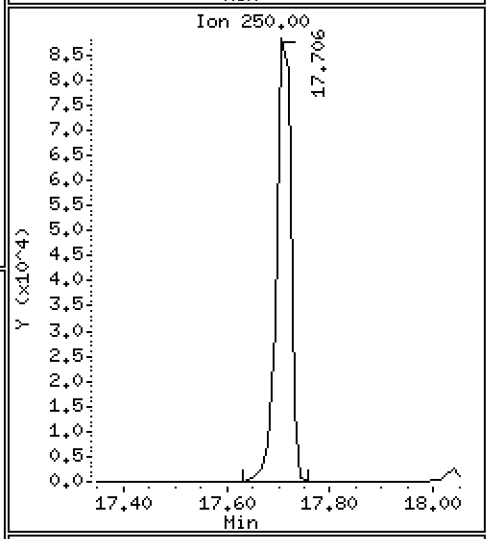
56 4-Bromophenyl-phenylether

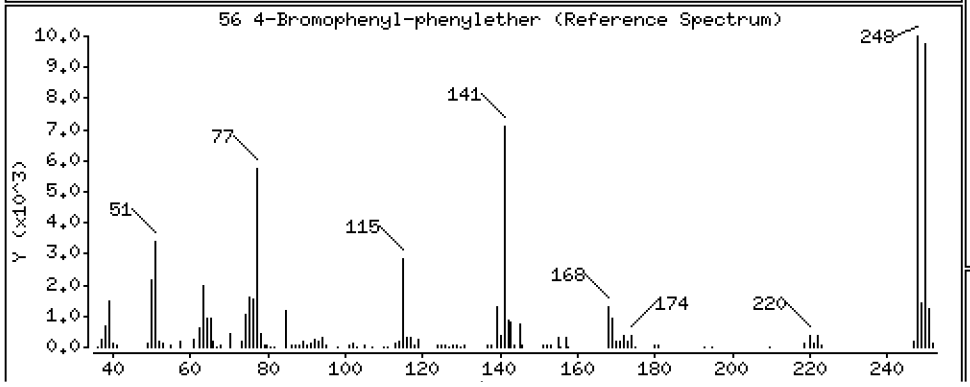
Concentration: 5.566 ug/mL

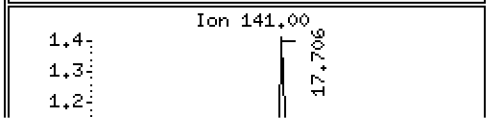












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

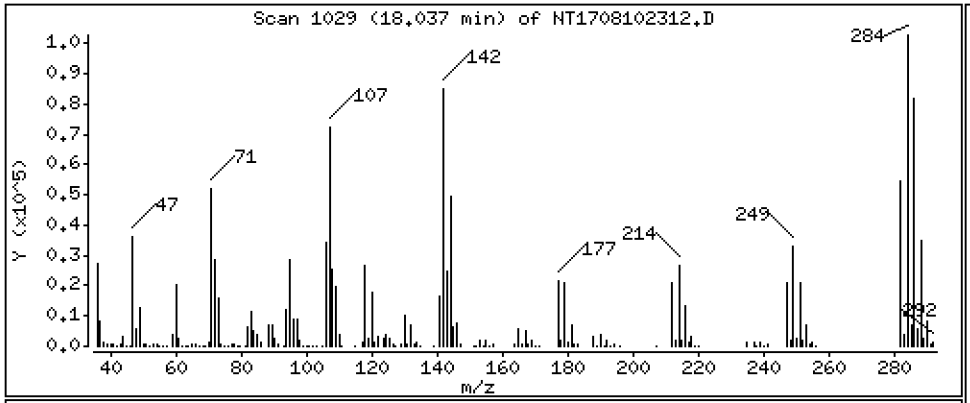
Operator: JGR

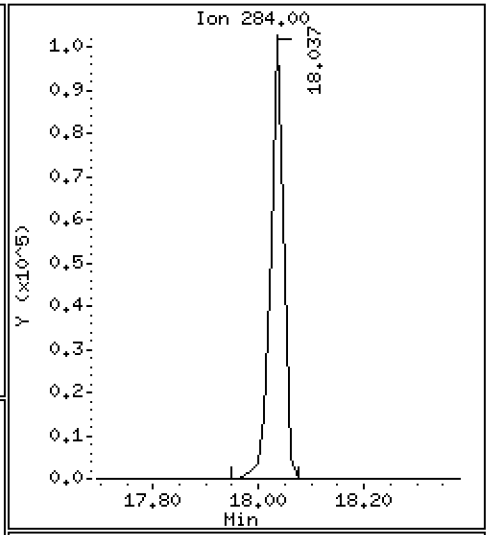
Column phase: ZB-5msi

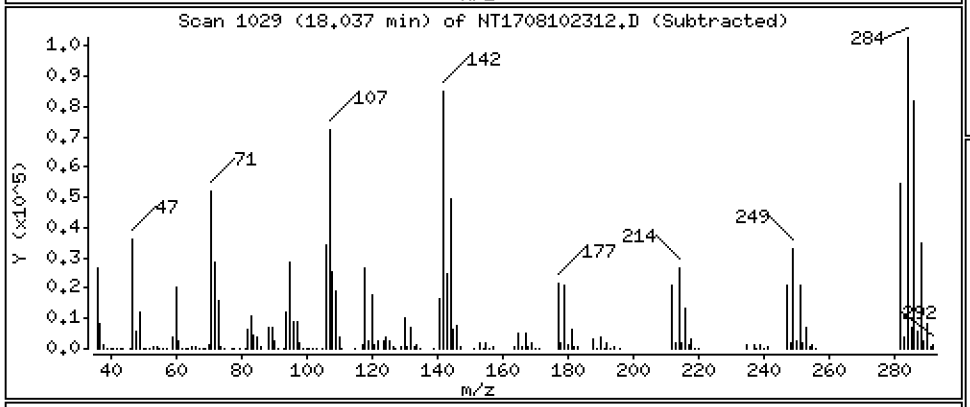
Column diameter: 0.25

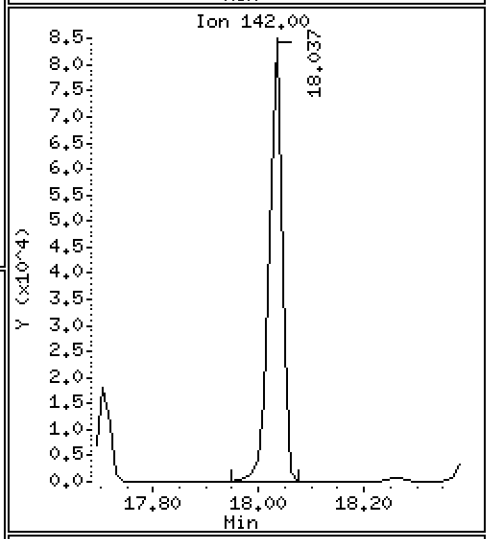
57 Hexachlorobenzene

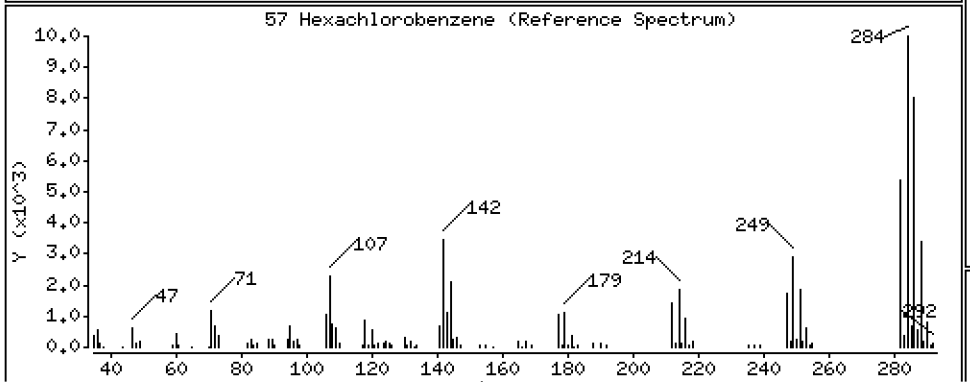
Concentration: 4.986 ug/mL

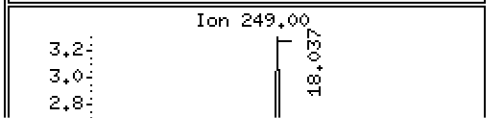












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

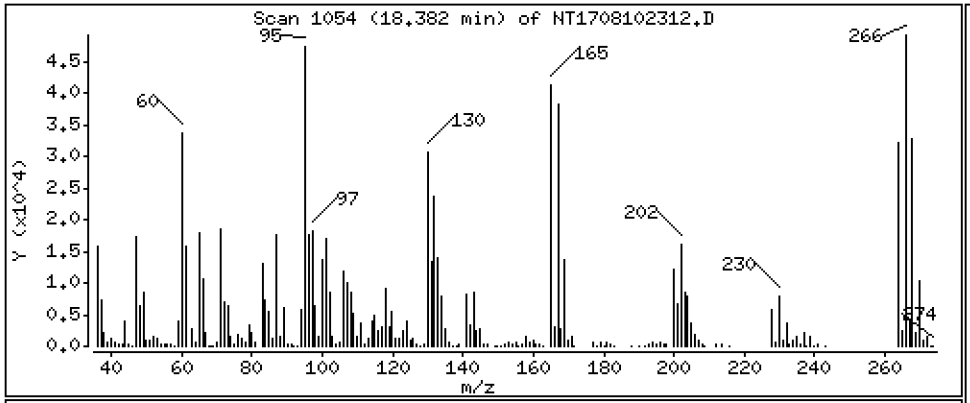
Operator: JGR

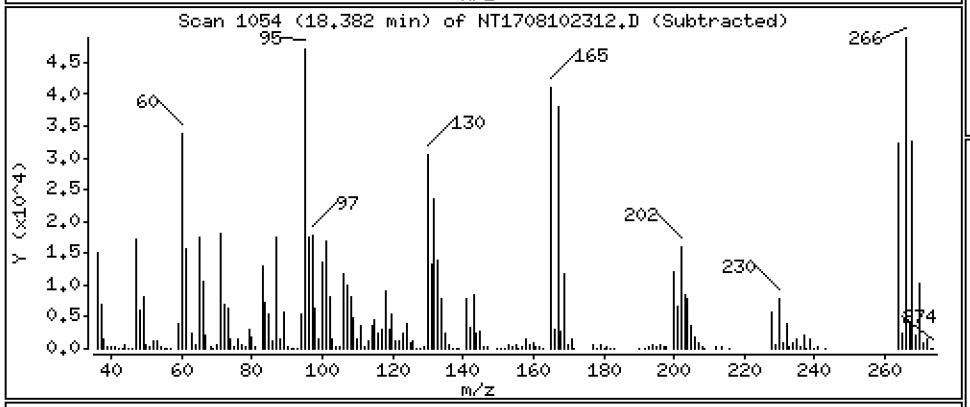
Column phase: ZB-5msi

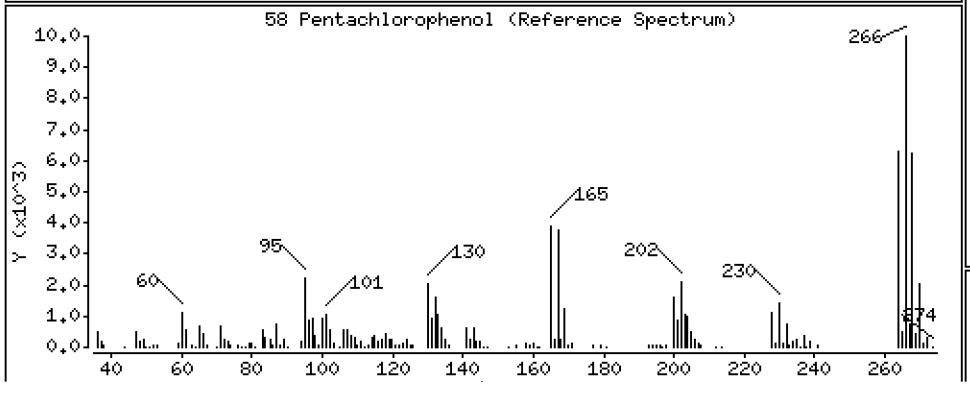
Column diameter: 0.25

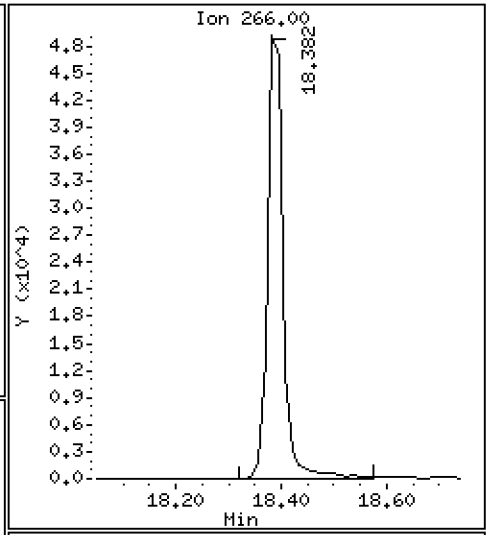
58 Pentachlorophenol

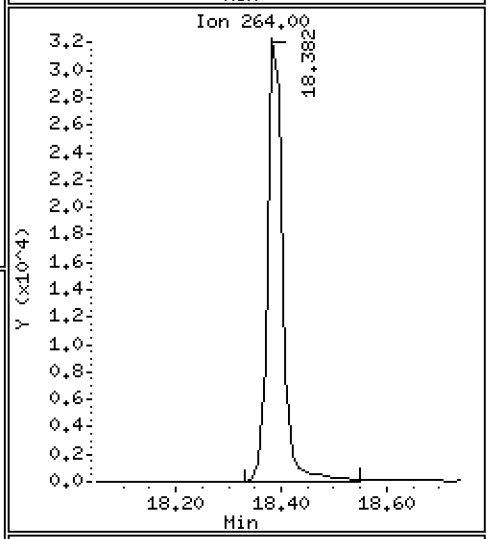
Concentration: 4.903 ug/mL

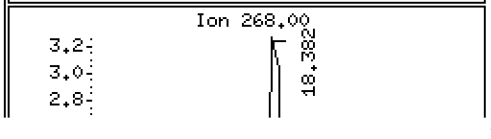












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

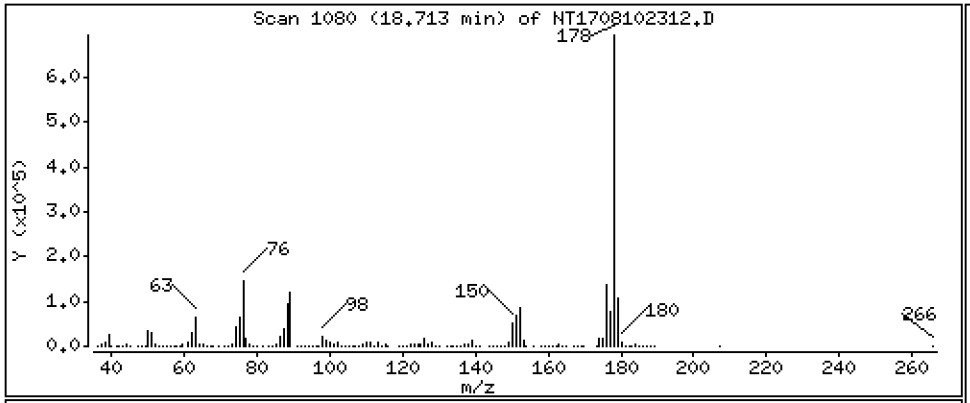
Operator: JGR

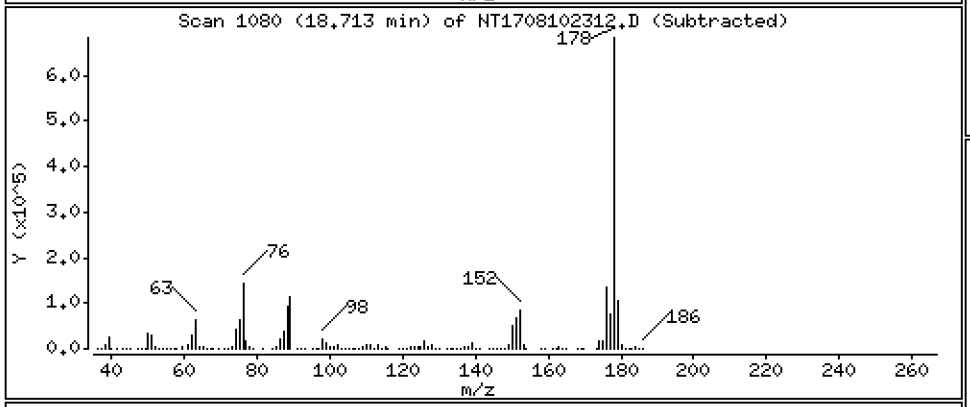
Column phase: ZB-5msi

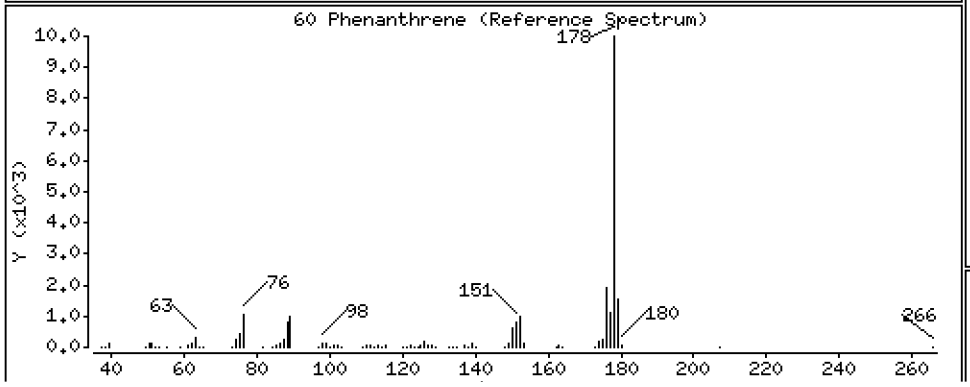
Column diameter: 0.25

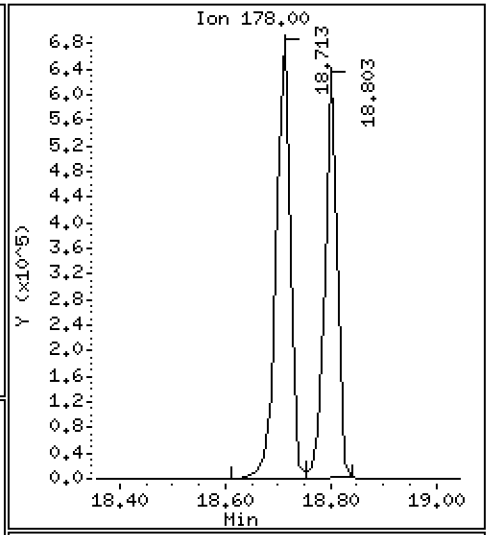
60 Phenanthrene

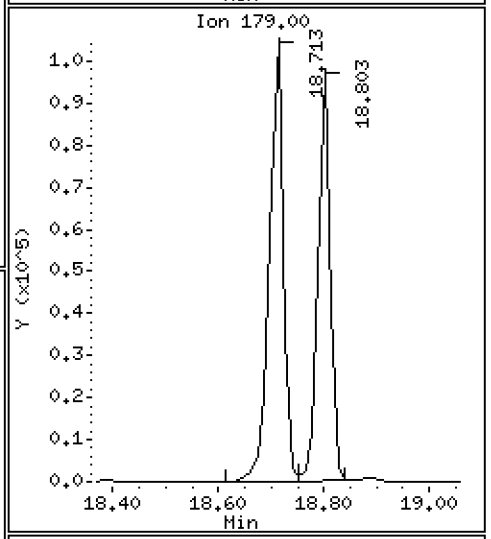
Concentration: 5.484 ug/mL

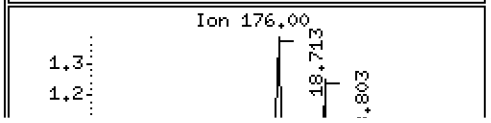












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

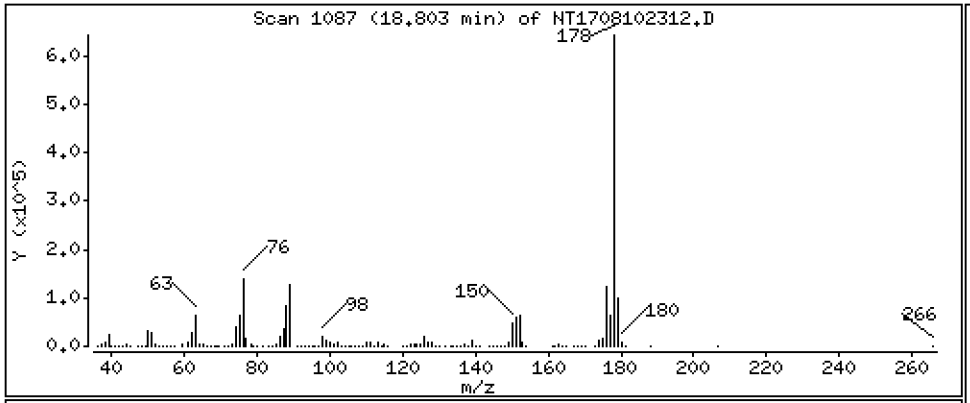
Operator: JGR

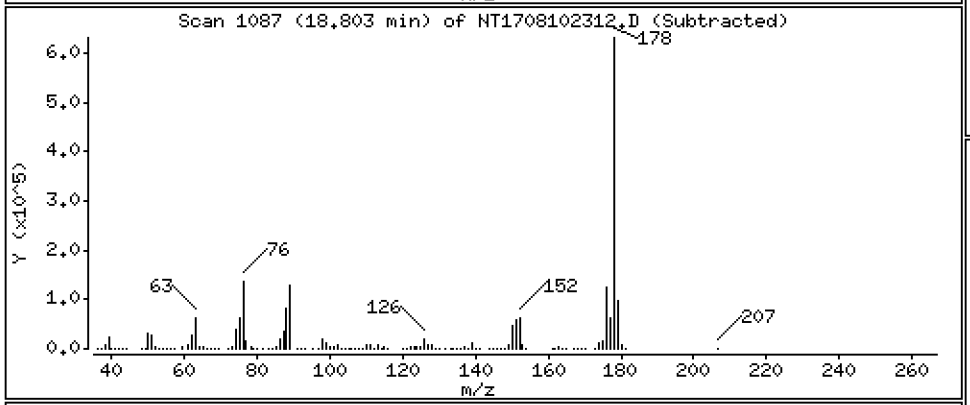
Column phase: ZB-5msi

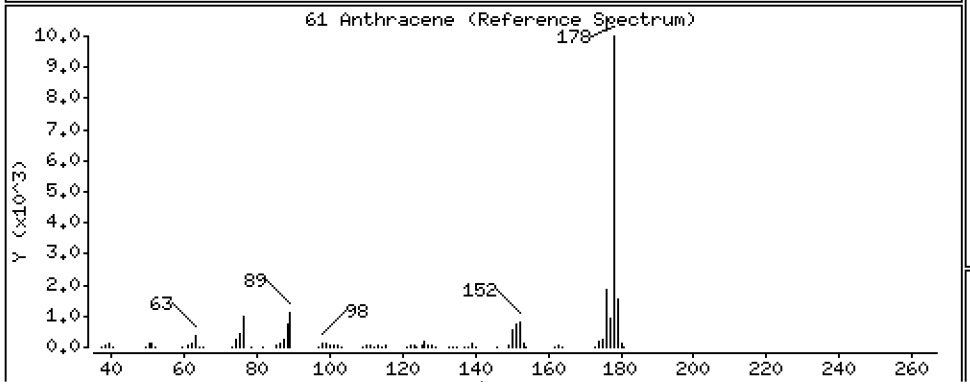
Column diameter: 0.25

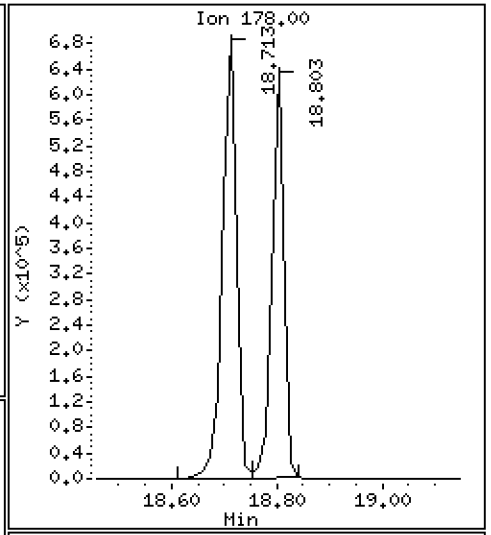
61 Anthracene

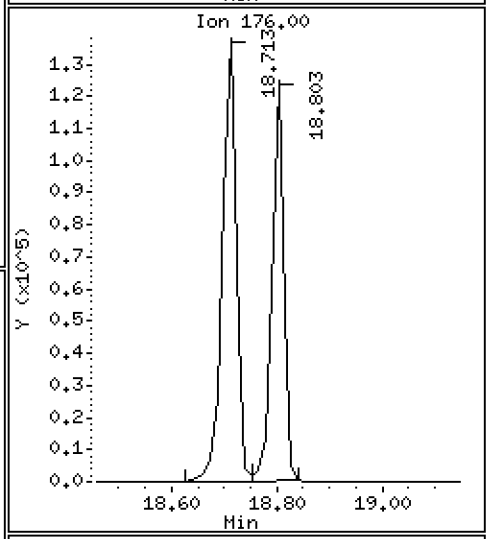
Concentration: 5.192 ug/mL

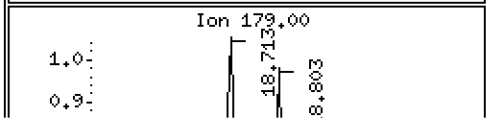












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

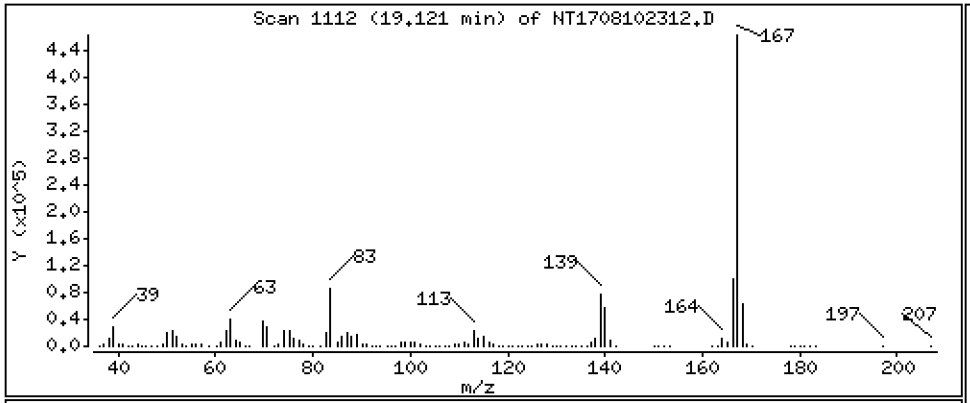
Operator: JGR

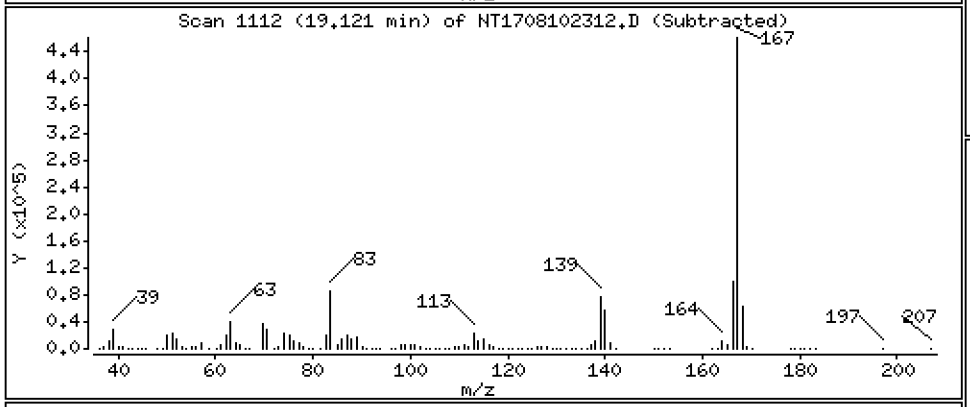
Column phase: ZB-5msi

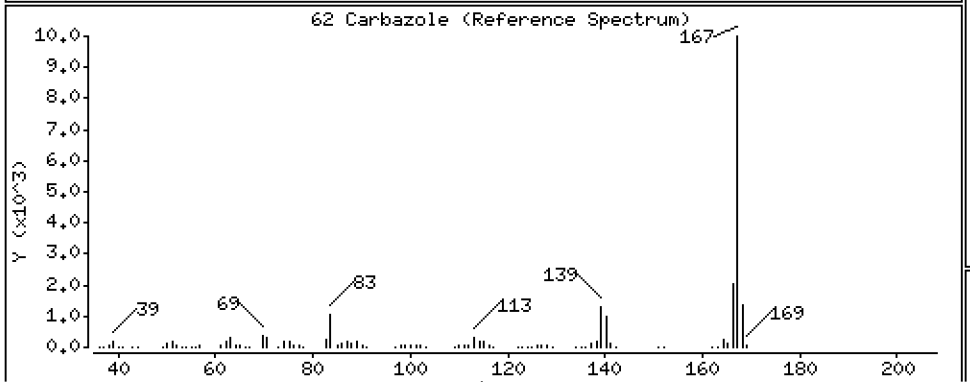
Column diameter: 0.25

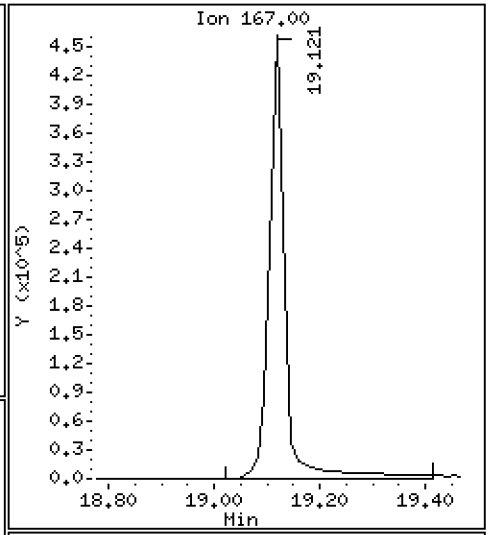
62 Carbazole

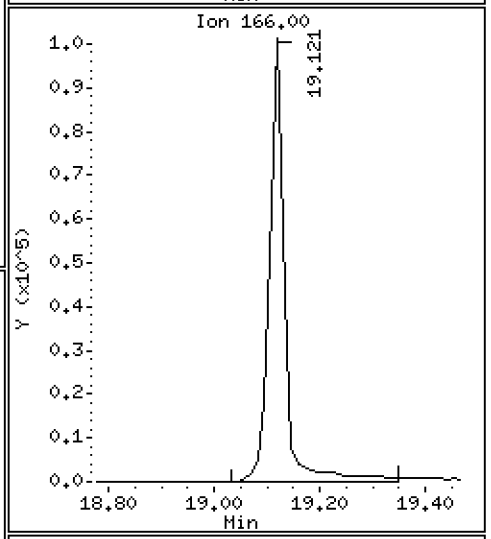
Concentration: 4.708 ug/mL

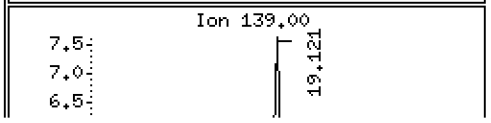












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

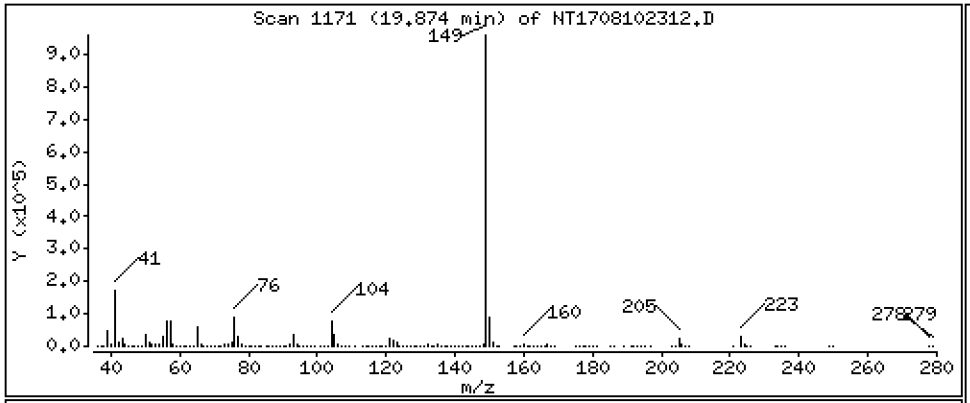
Operator: JGR

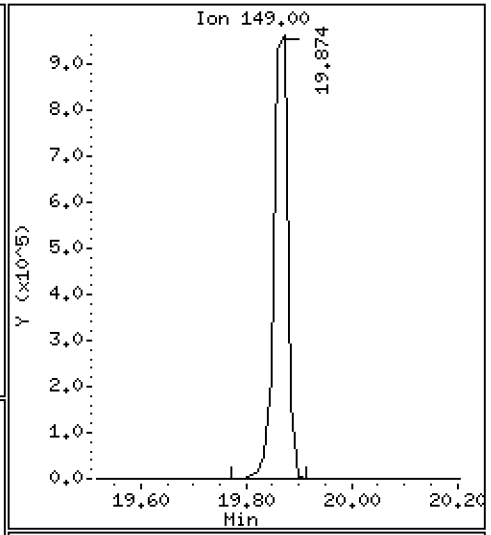
Column phase: ZB-5msi

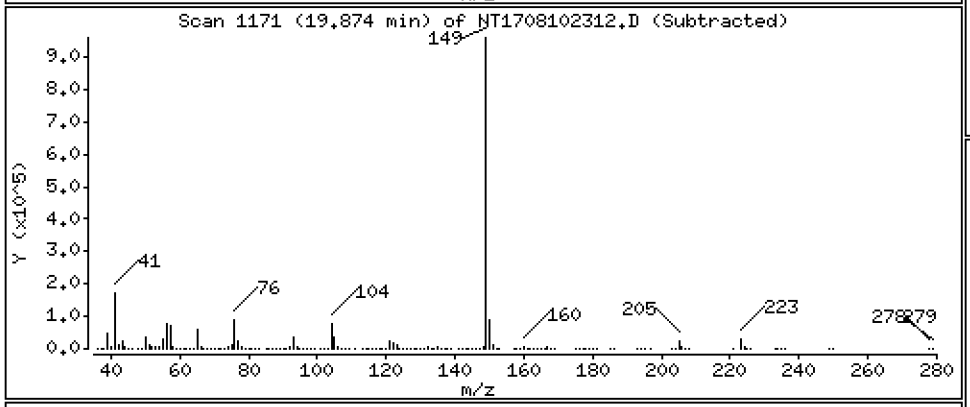
Column diameter: 0.25

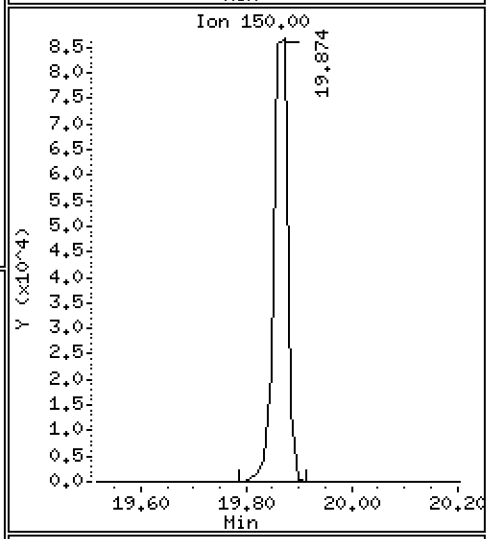
63 Di-n-butylphthalate

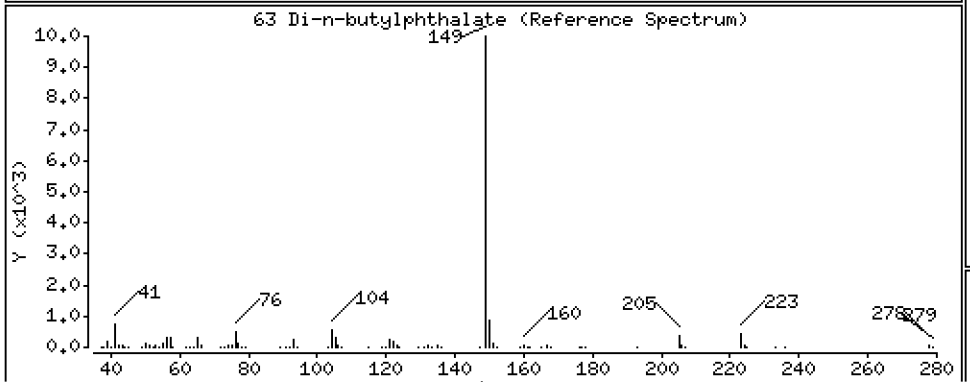
Concentration: 4.886 ug/mL

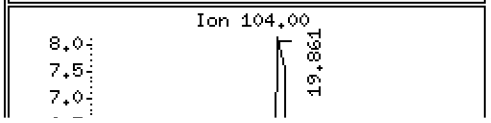












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

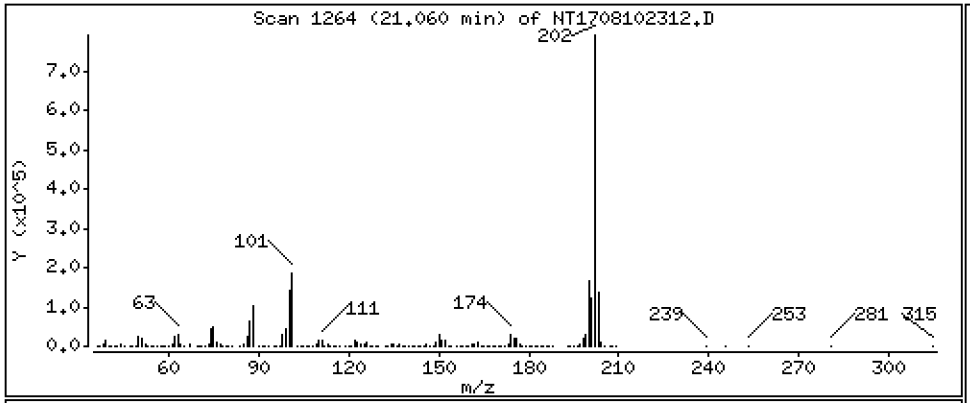
Operator: JGR

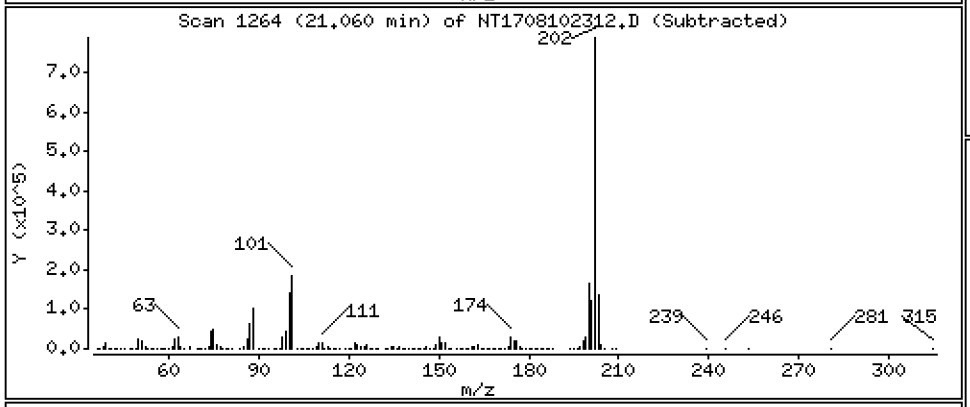
Column phase: ZB-5msi

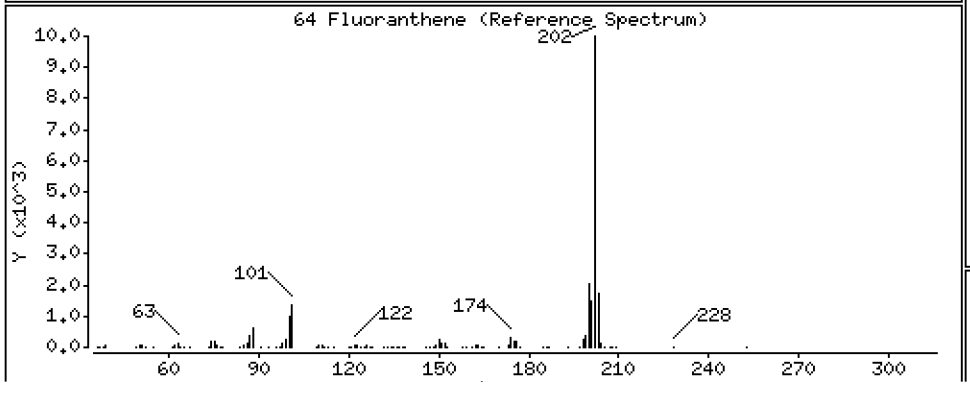
Column diameter: 0.25

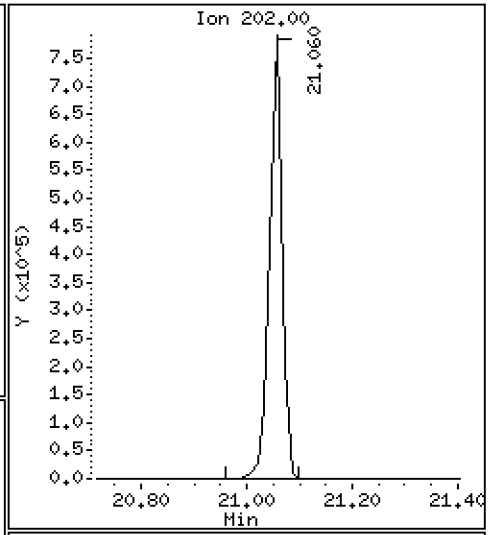
64 Fluoranthene

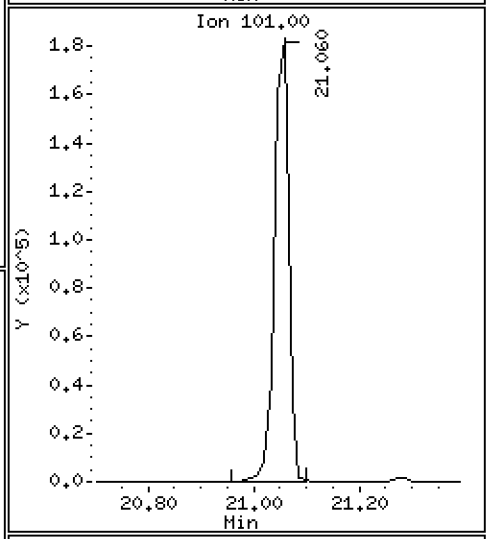
Concentration: 6.141 ug/mL

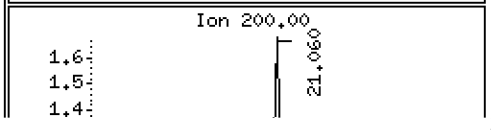












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

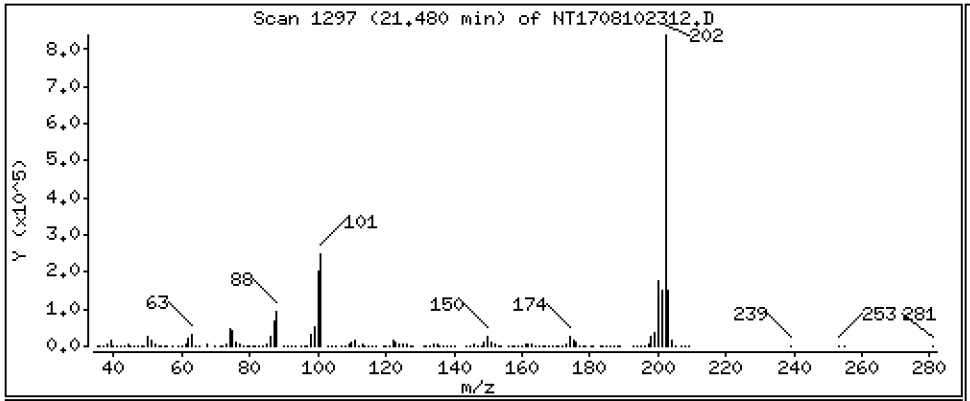
Operator: JGR

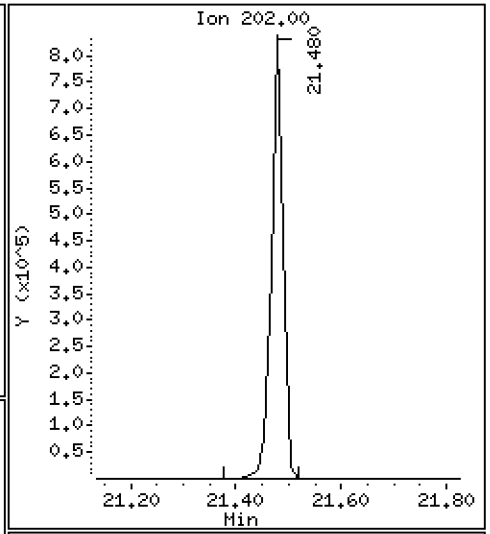
Column phase: ZB-5msi

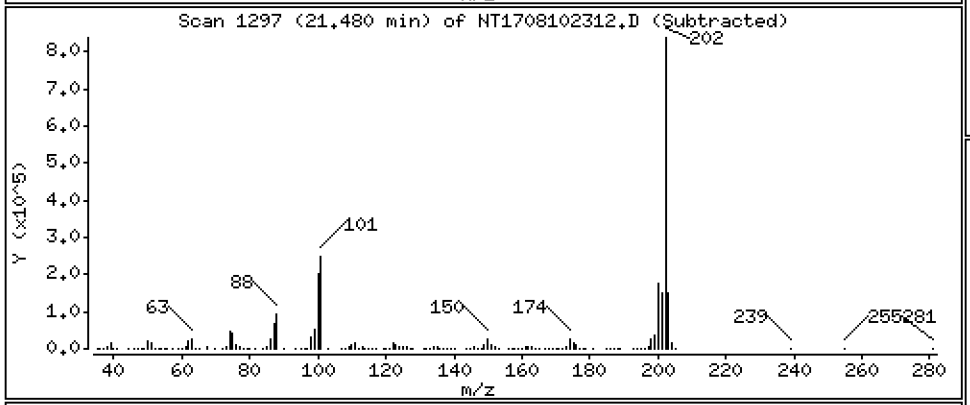
Column diameter: 0.25

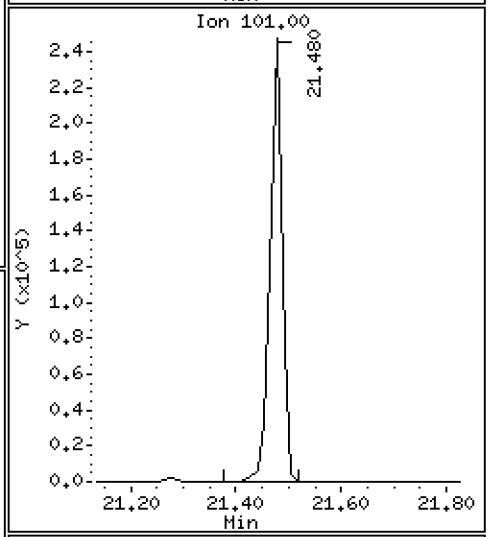
65 Pyrene

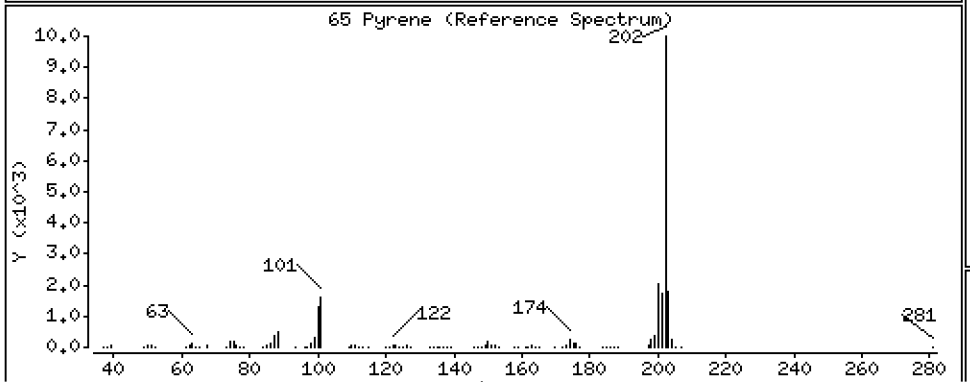
Concentration: 5.873 ug/mL

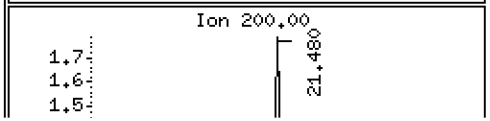












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

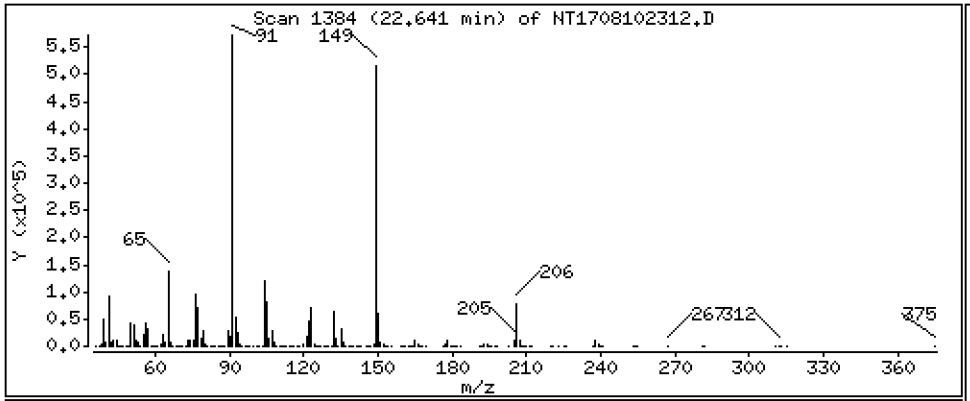
Operator: JGR

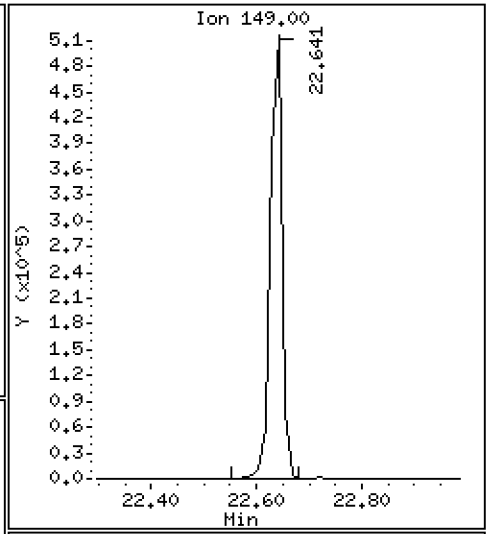
Column phase: ZB-5msi

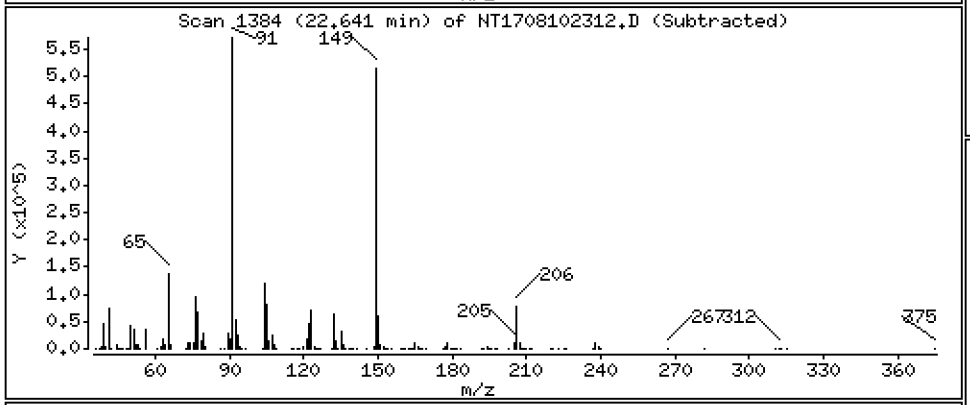
Column diameter: 0.25

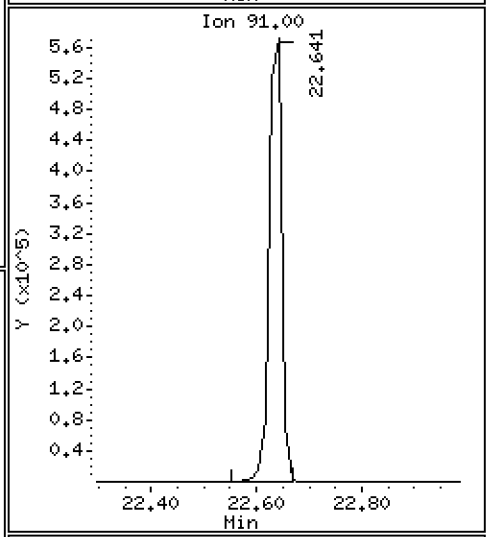
67 Butylbenzylphthalate

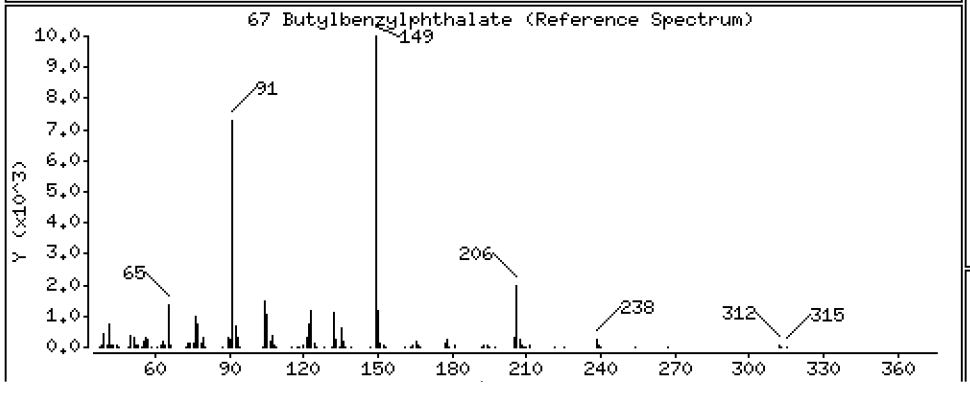
Concentration: 5.346 ug/mL

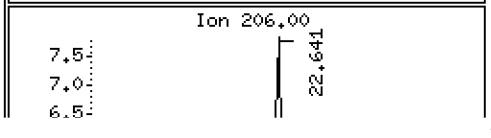












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

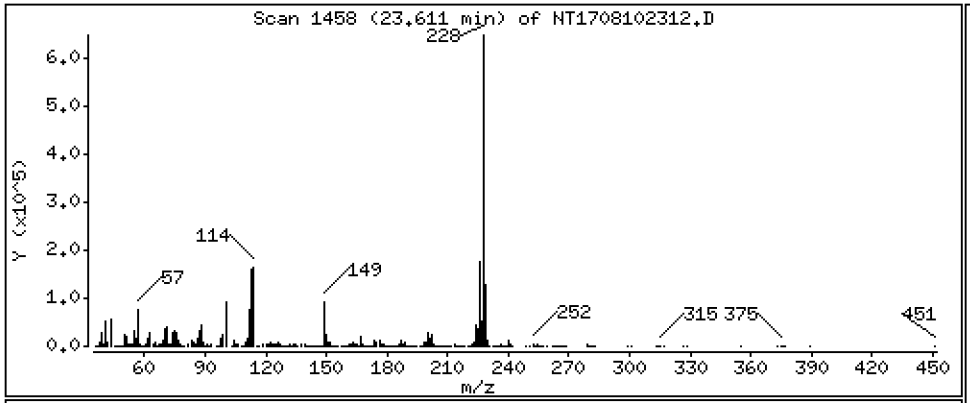
Operator: JGR

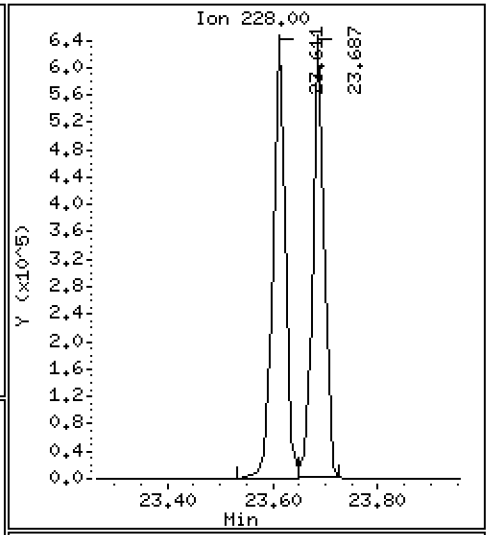
Column phase: ZB-5msi

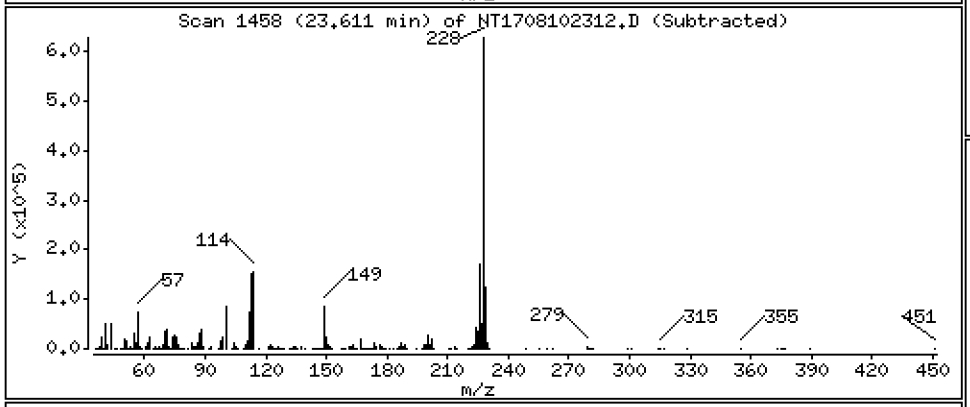
Column diameter: 0.25

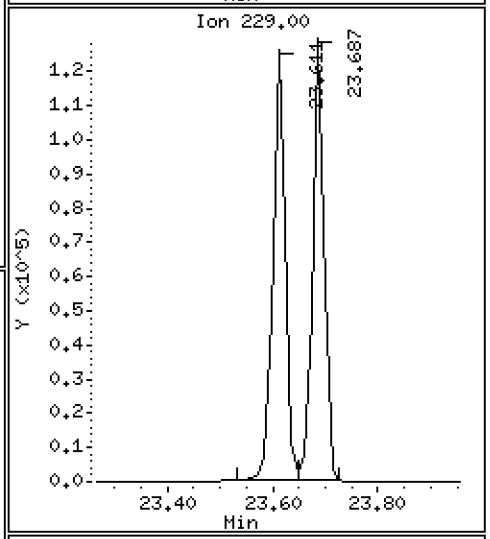
68 Benzo(a)anthracene

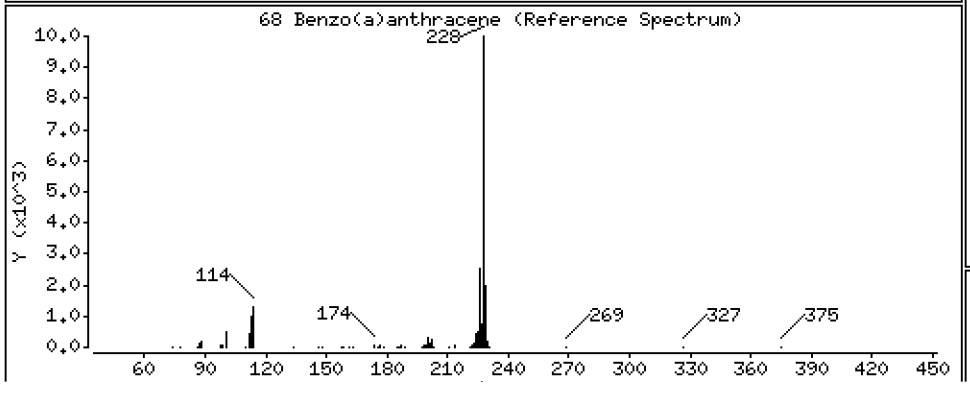
Concentration: 5.384 ug/mL

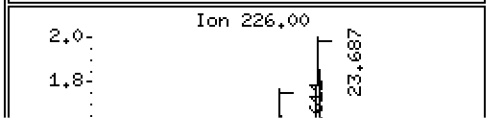












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

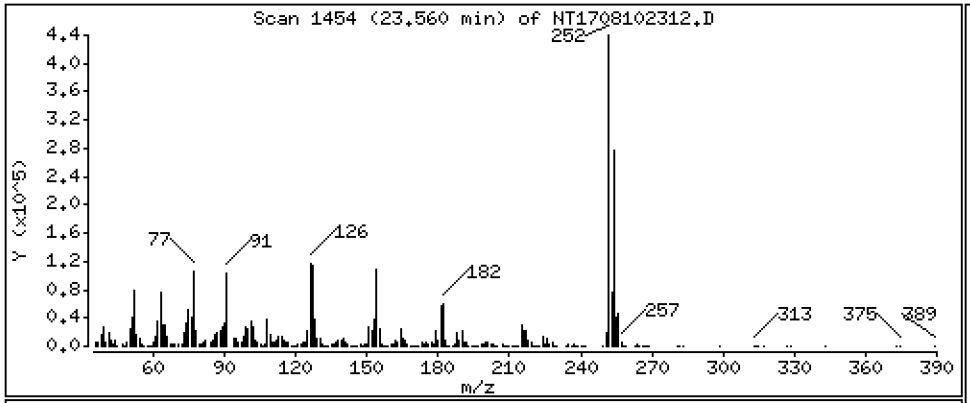
Operator: JGR

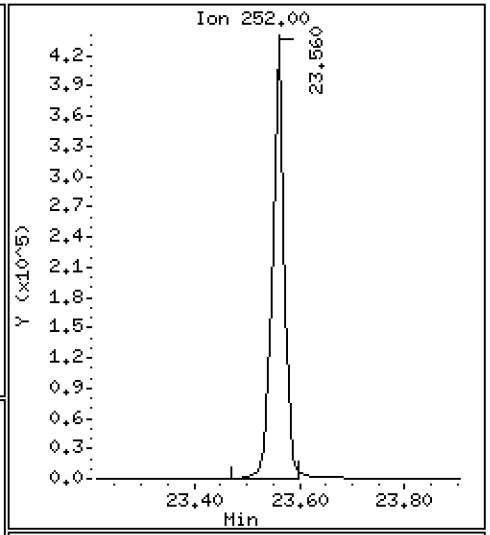
Column phase: ZB-5msi

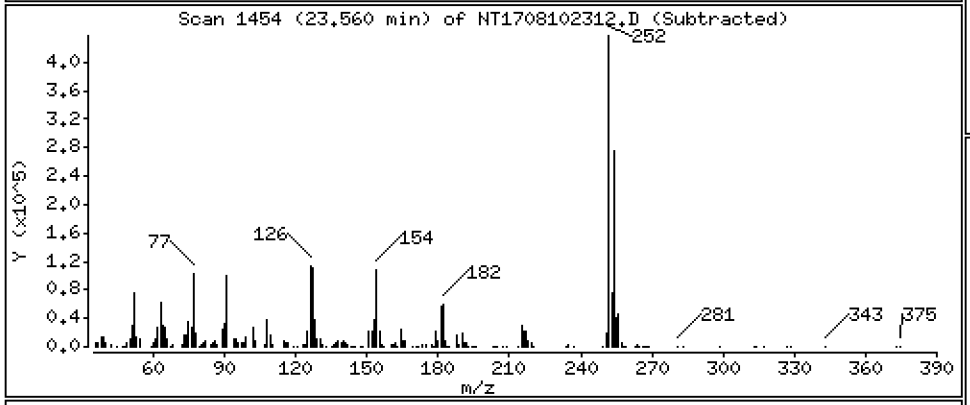
Column diameter: 0.25

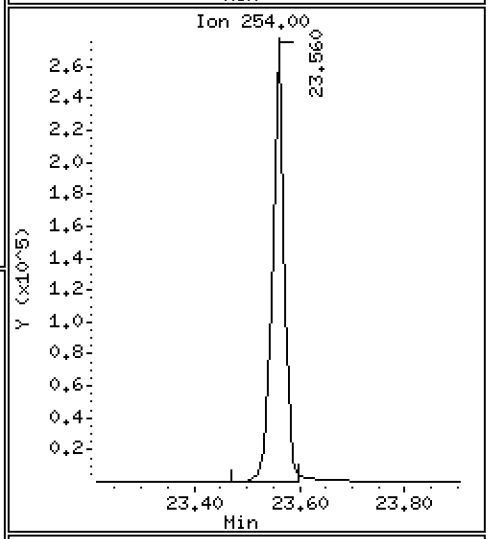
70 3,3'-Dichlorobenzidine

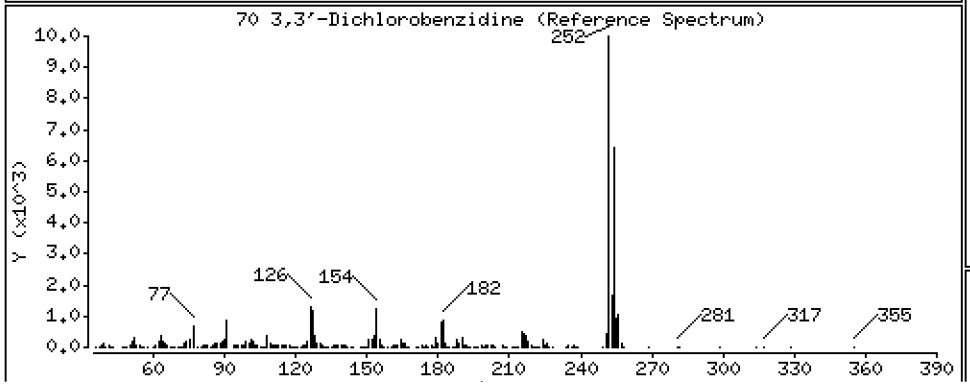
Concentration: 11.05 ug/mL

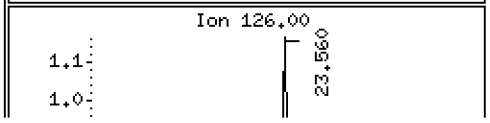












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

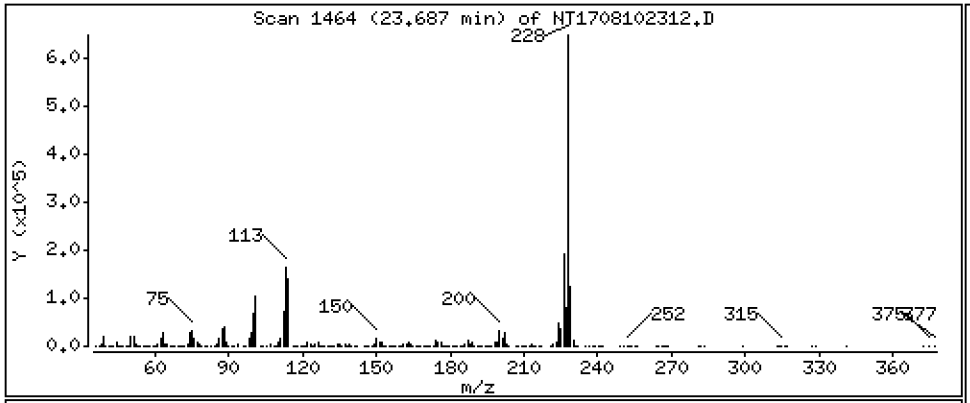
Operator: JGR

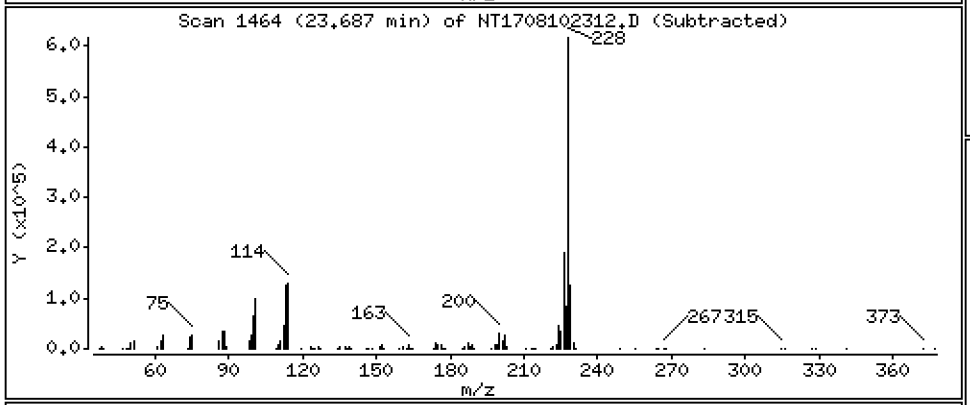
Column phase: ZB-5msi

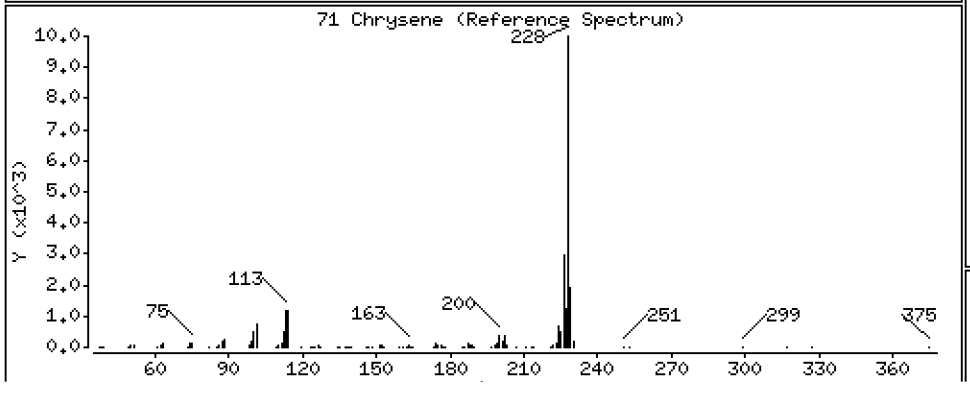
Column diameter: 0.25

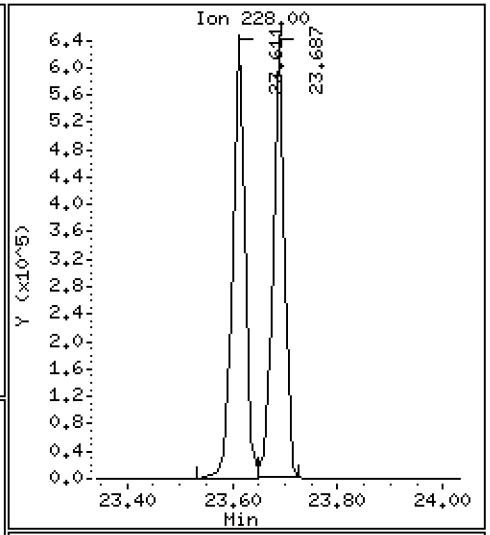
71 Chrysene

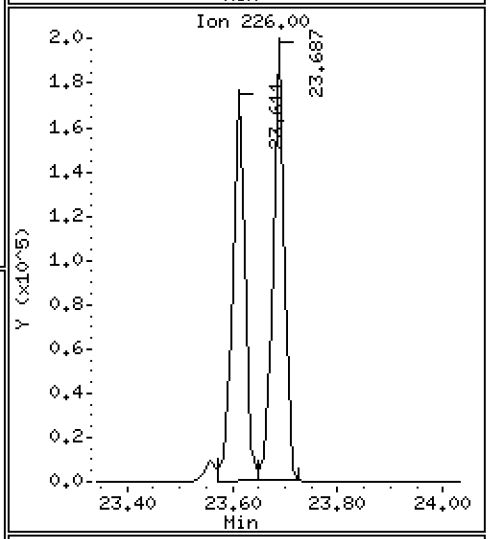
Concentration: 5.557 ug/mL

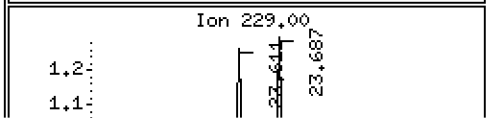












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

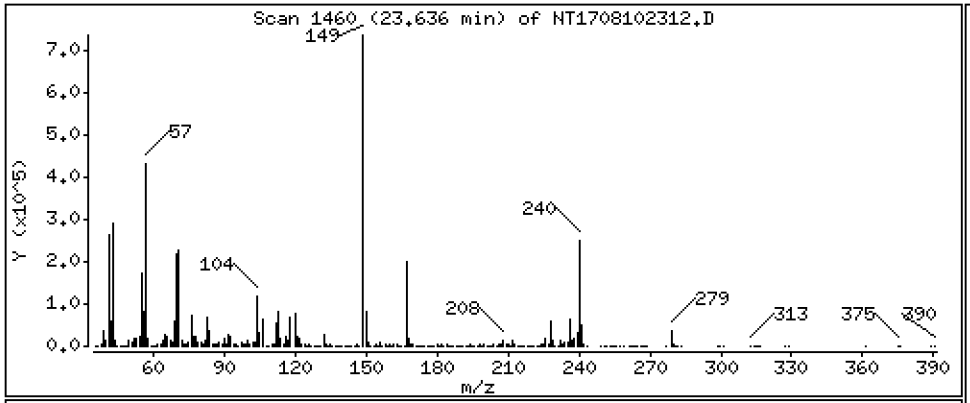
Operator: JGR

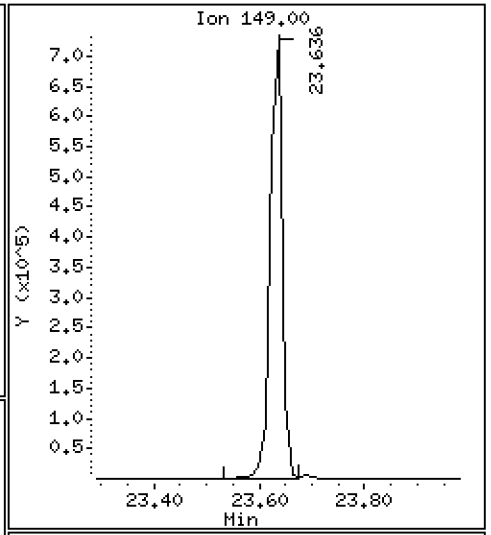
Column phase: ZB-5msi

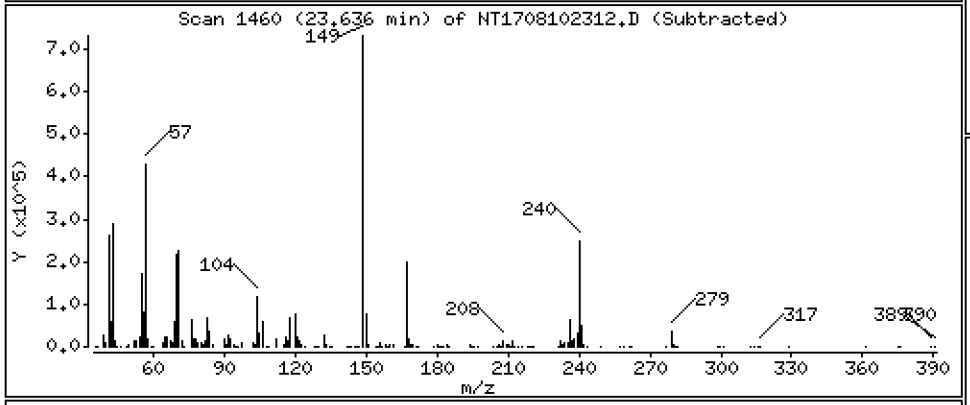
Column diameter: 0.25

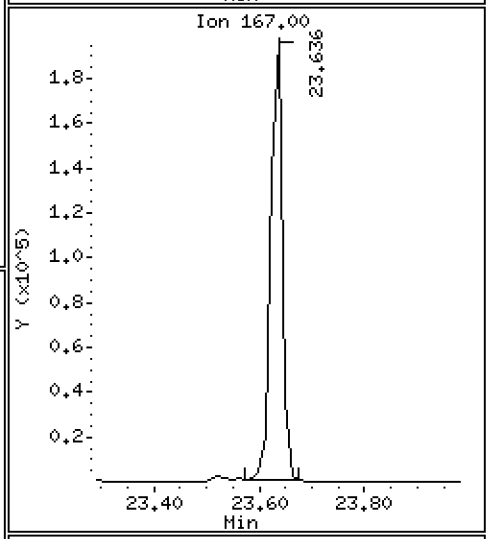
72 bis(2-Ethylhexyl)phthalate

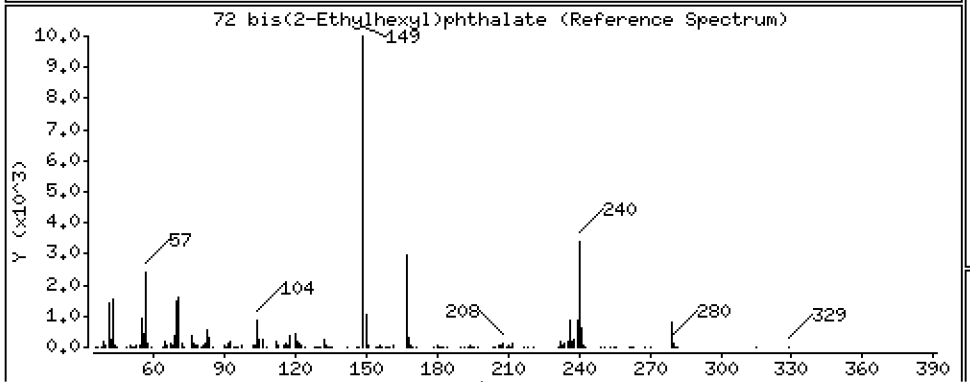
Concentration: 5.561 ug/mL

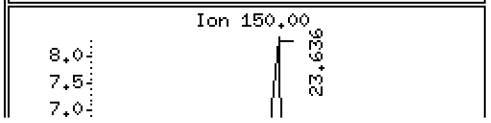












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

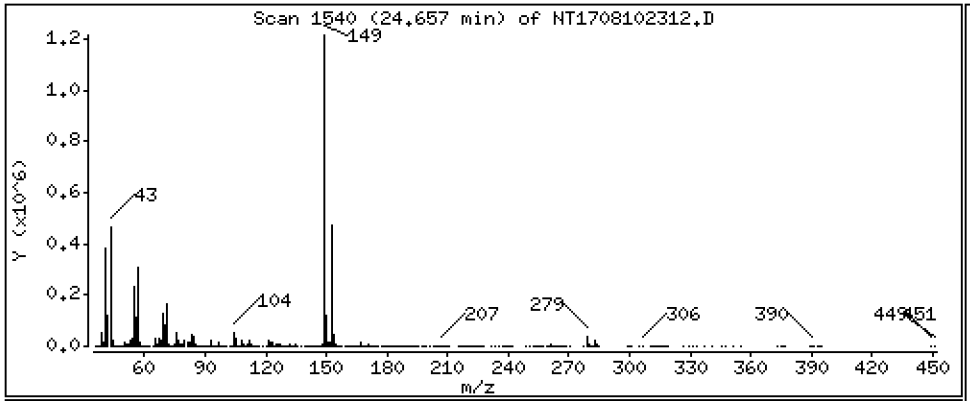
Operator: JGR

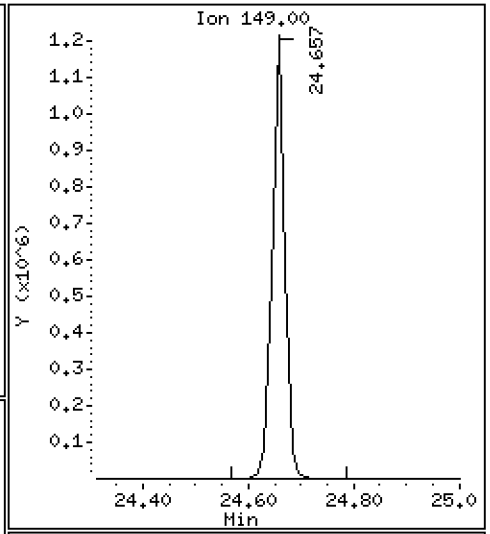
Column phase: ZB-5msi

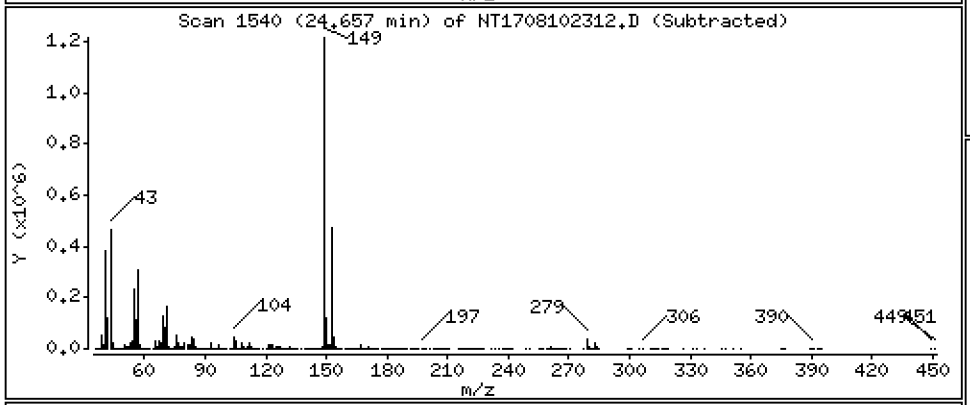
Column diameter: 0.25

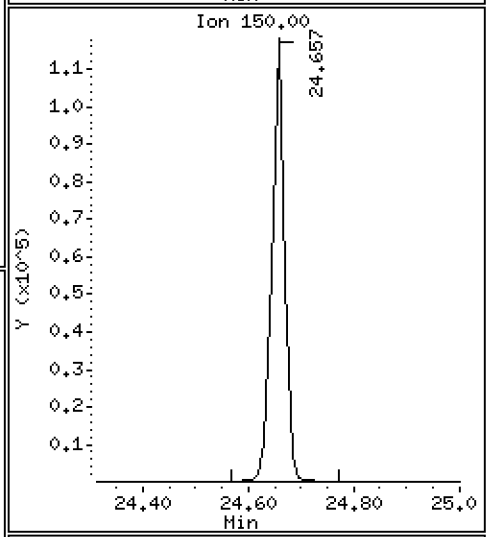
73 Di-n-octylphthalate

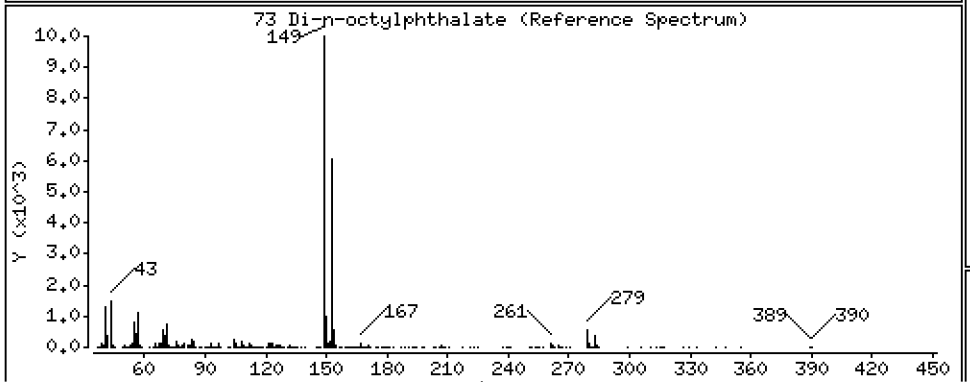
Concentration: 5.600 ug/mL

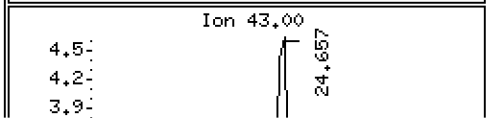












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

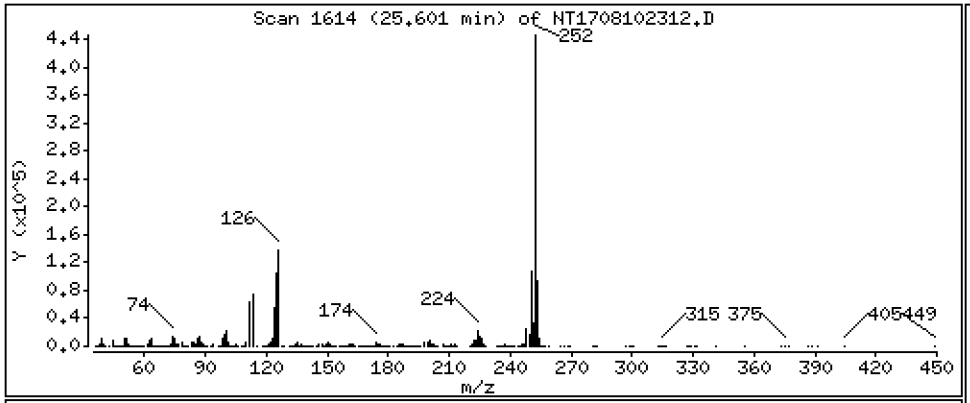
Operator: JGR

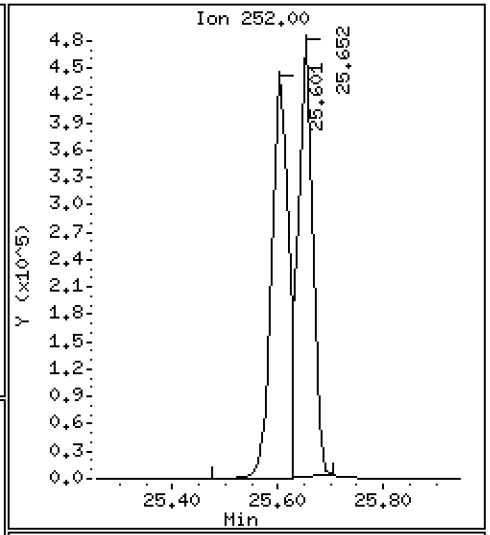
Column phase: ZB-5msi

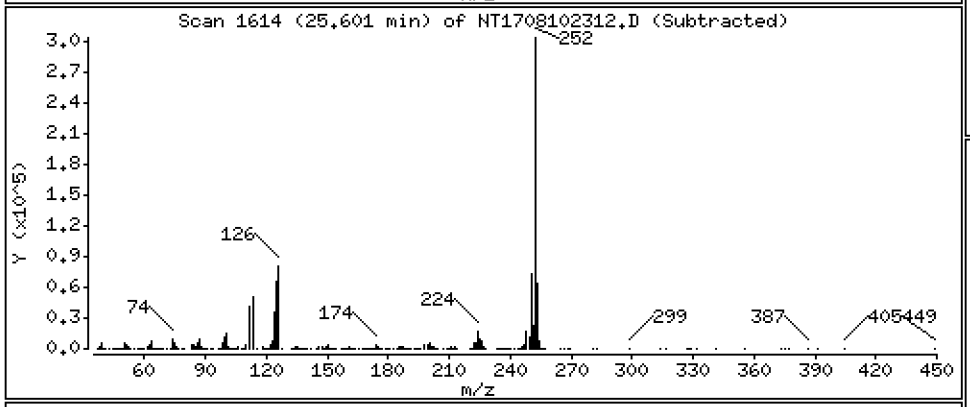
Column diameter: 0.25

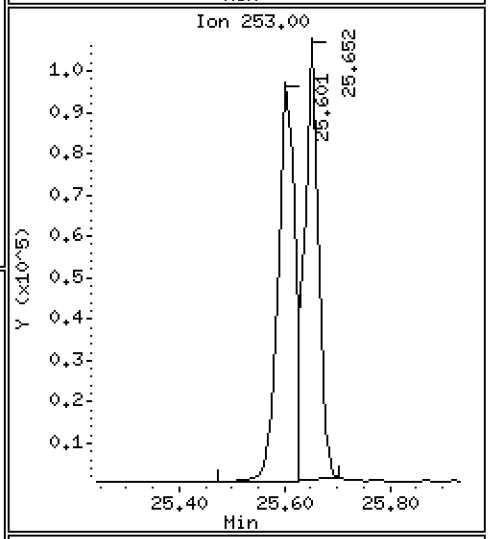
74 Benzo(b)fluoranthene

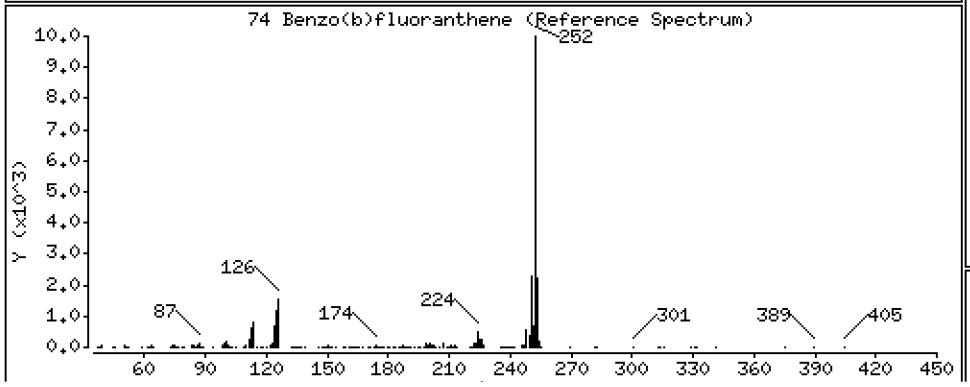
Concentration: 4.671 ug/mL

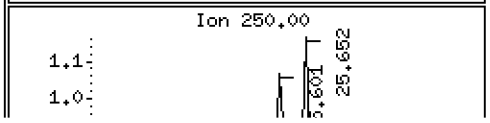












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

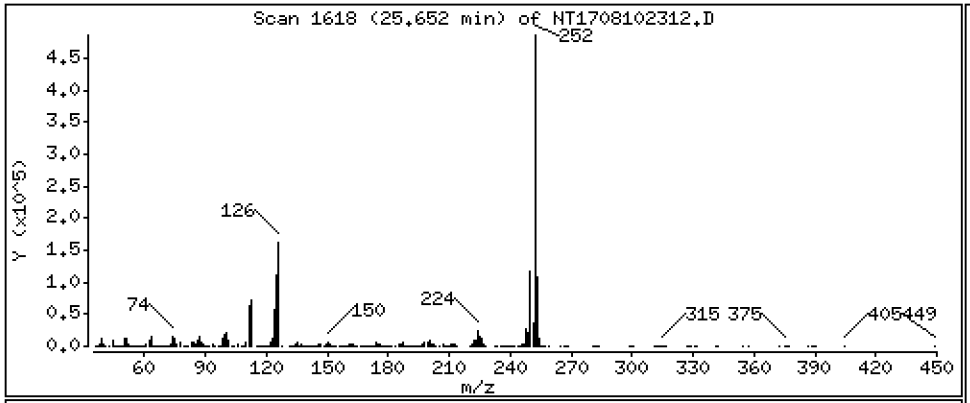
Operator: JGR

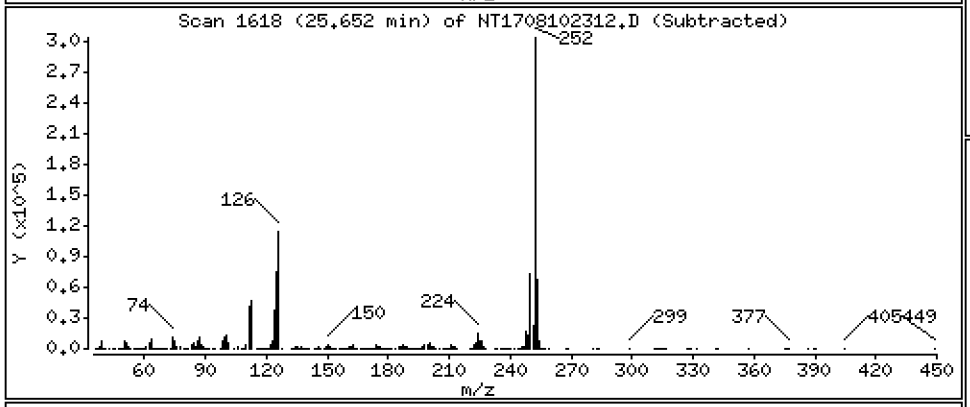
Column phase: ZB-5msi

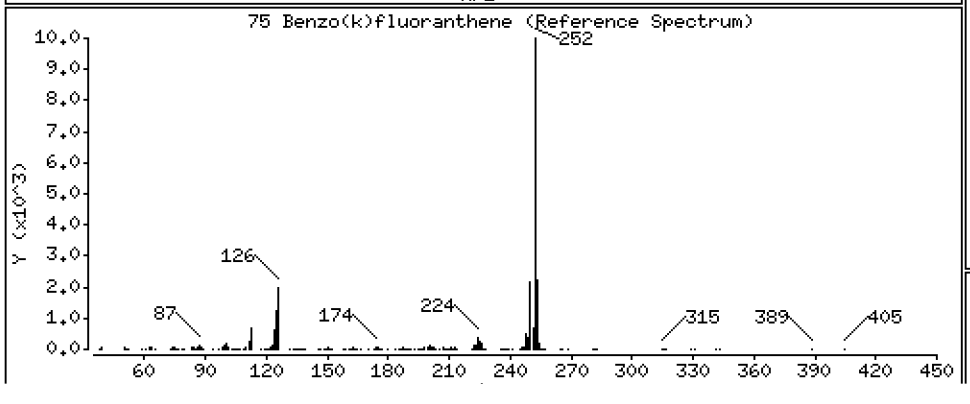
Column diameter: 0.25

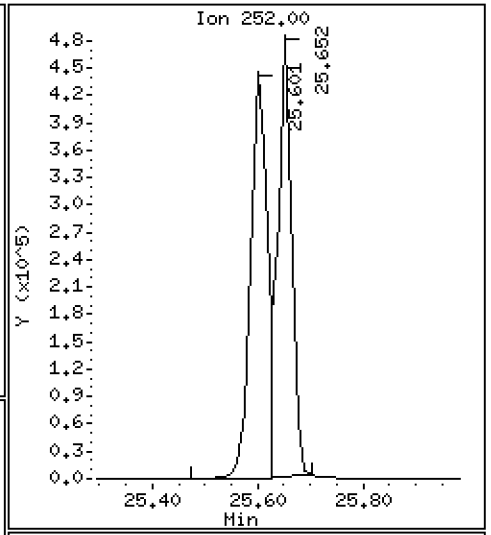
75 Benzo(k)fluoranthene

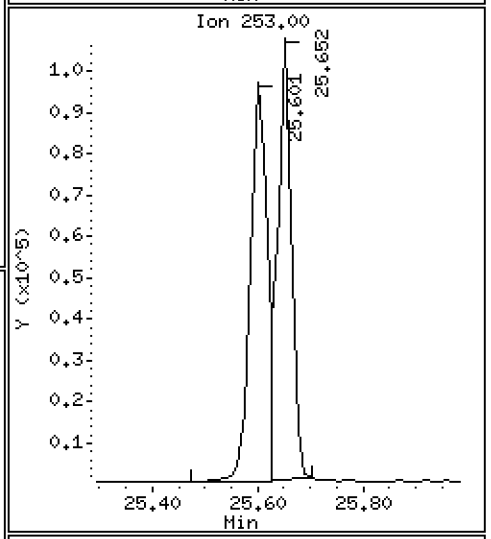
Concentration: 5.408 ug/mL

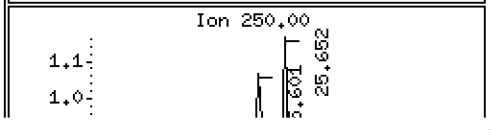












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

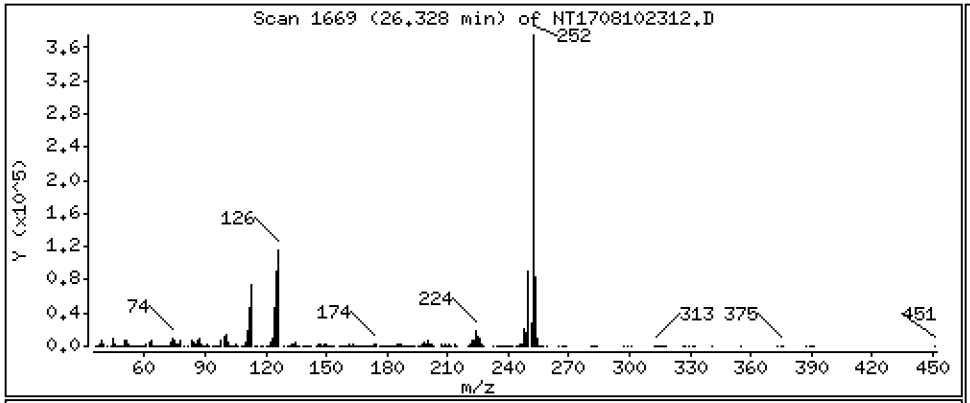
Operator: JGR

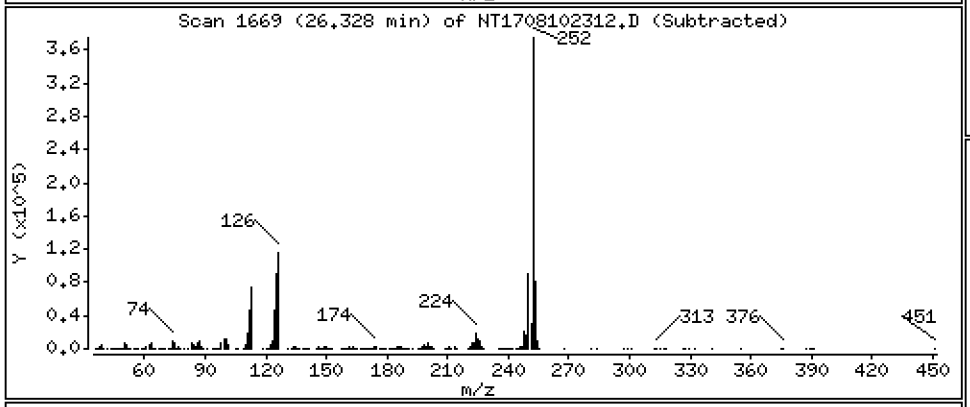
Column phase: ZB-5msi

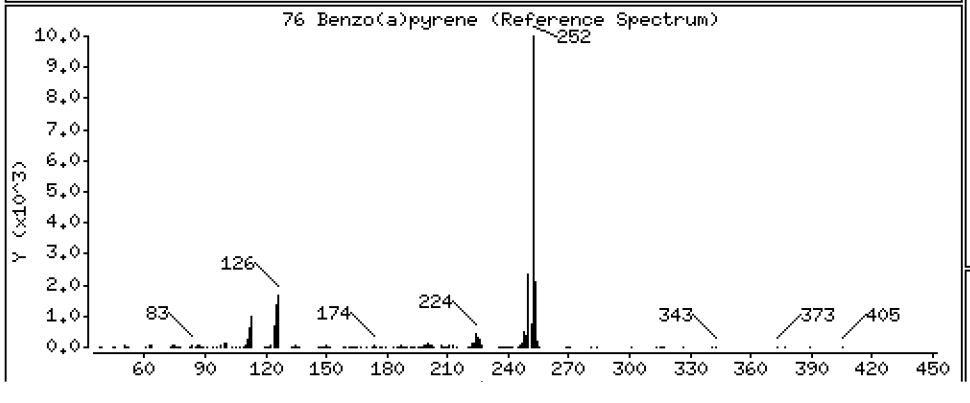
Column diameter: 0.25

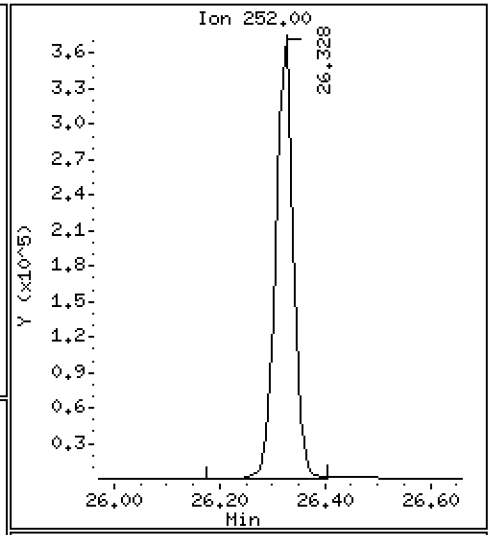
76 Benzo(a)pyrene

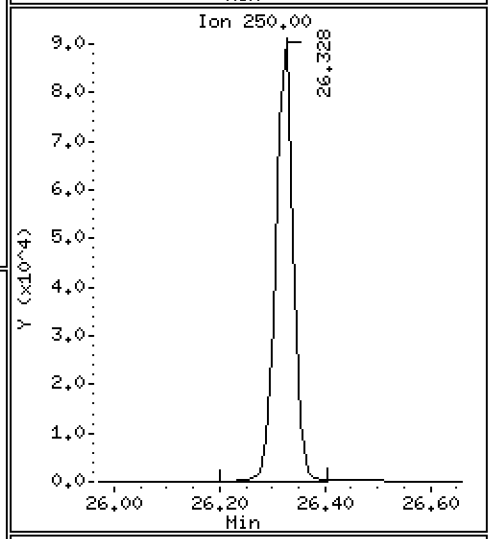
Concentration: 5.201 ug/mL

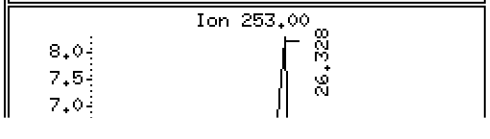












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

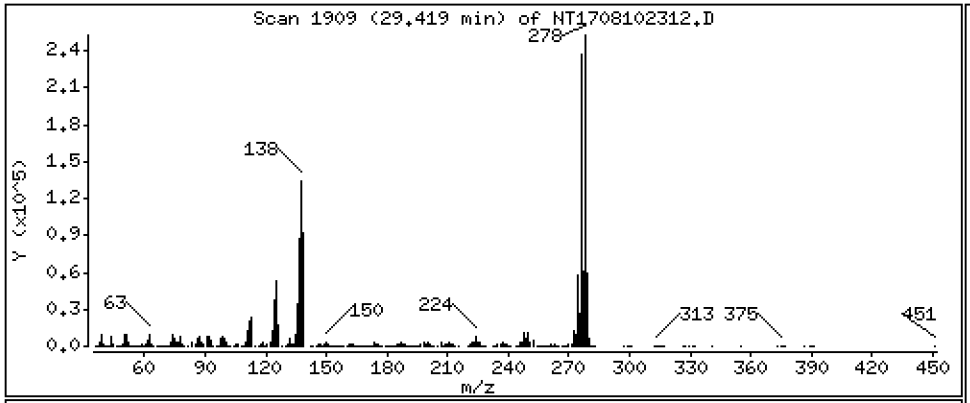
Operator: JGR

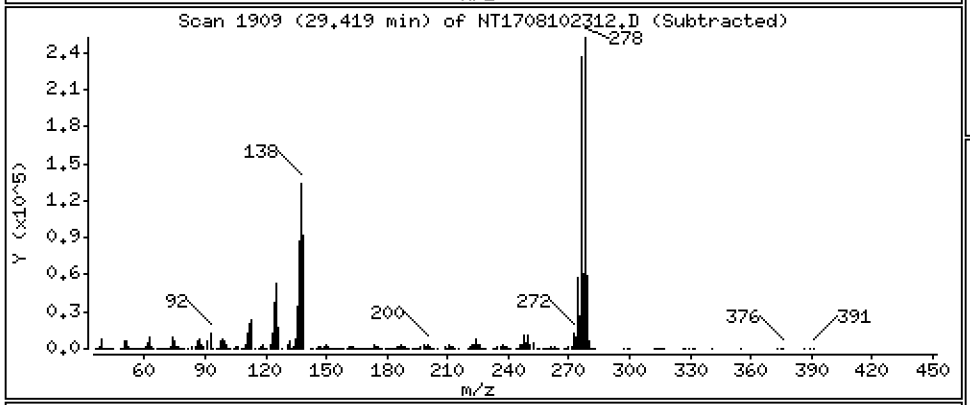
Column phase: ZB-5msi

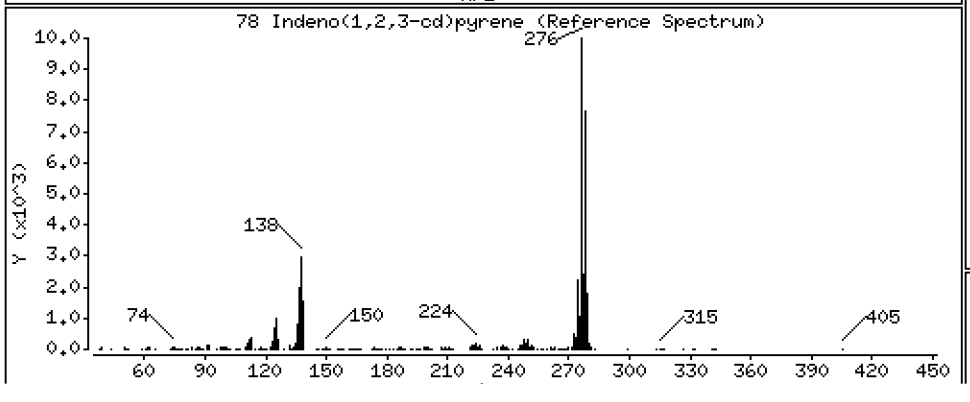
Column diameter: 0.25

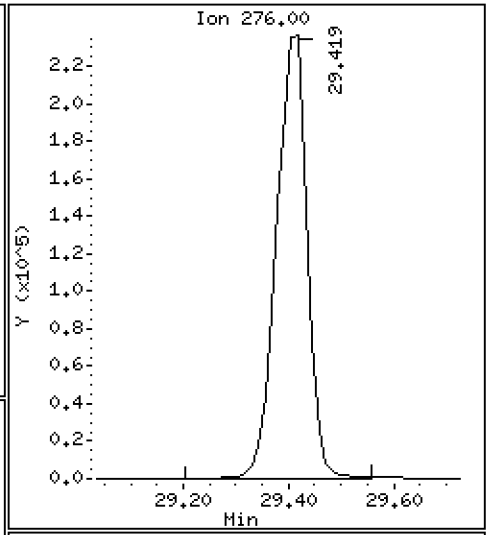
78 Indeno(1,2,3-cd)pyrene

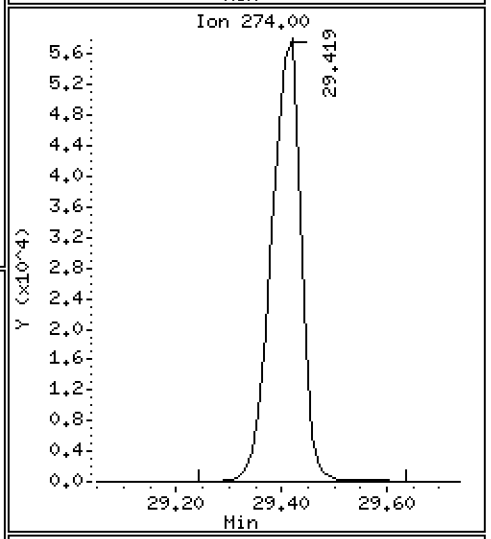
Concentration: 4.765 ug/mL

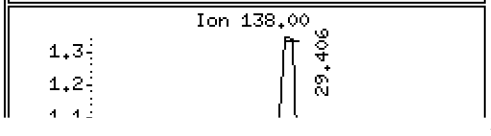












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

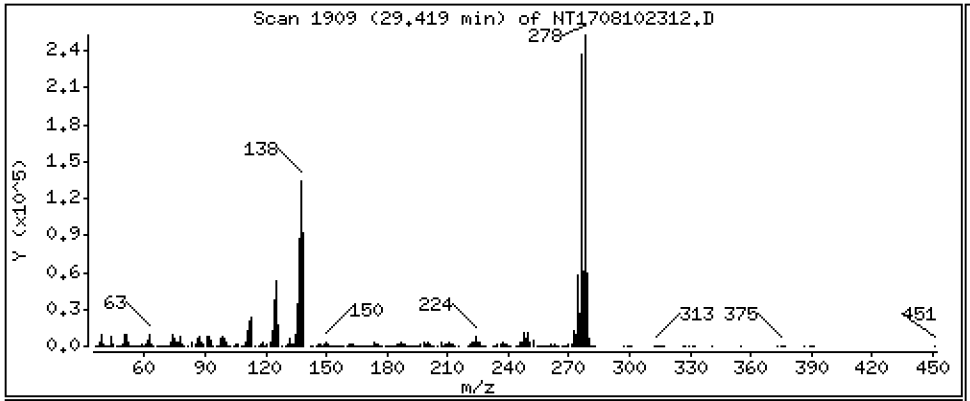
Operator: JGR

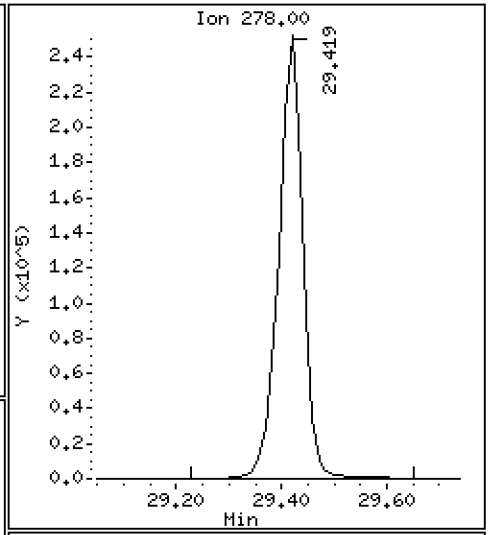
Column phase: ZB-5msi

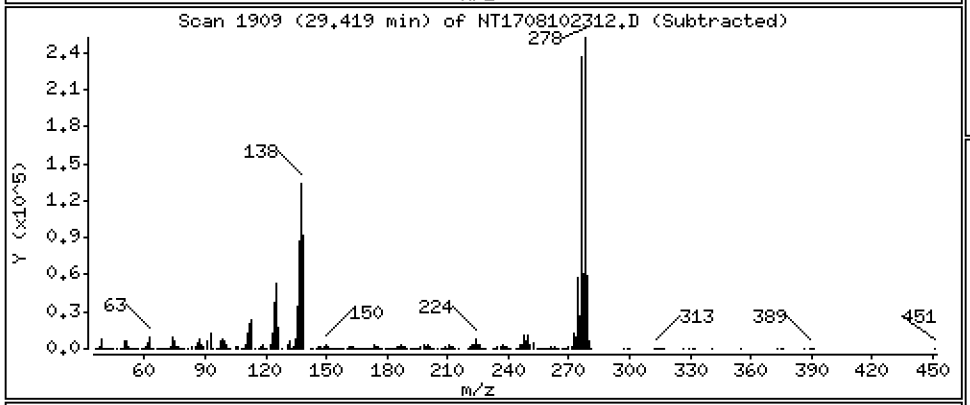
Column diameter: 0.25

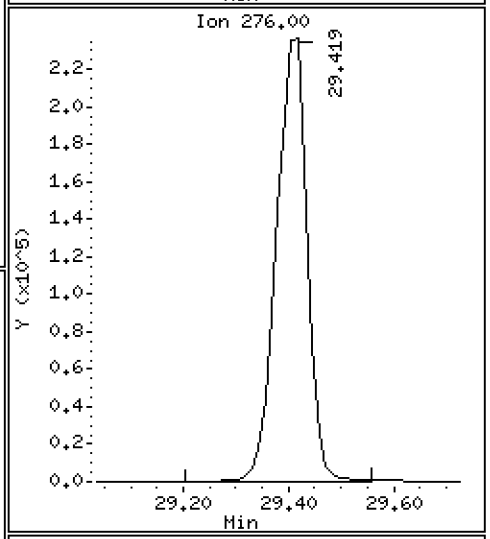
79 Dibenzo(a,h)anthracene

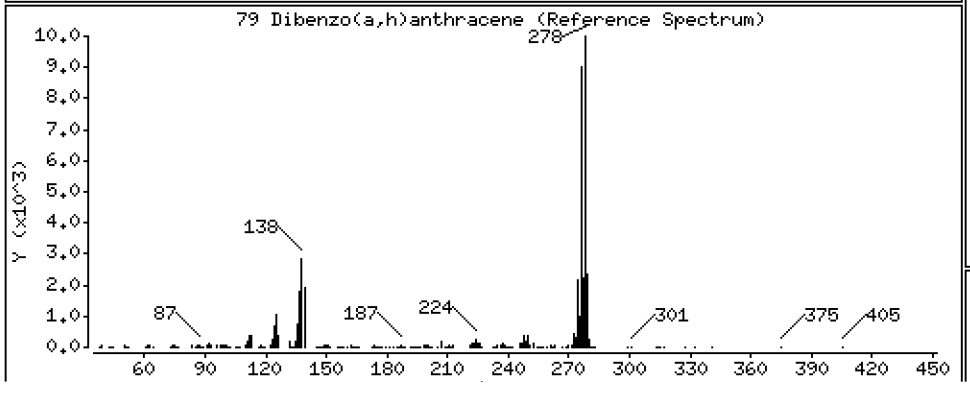
Concentration: 4.553 ug/mL

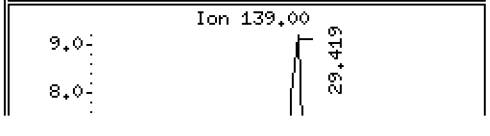












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

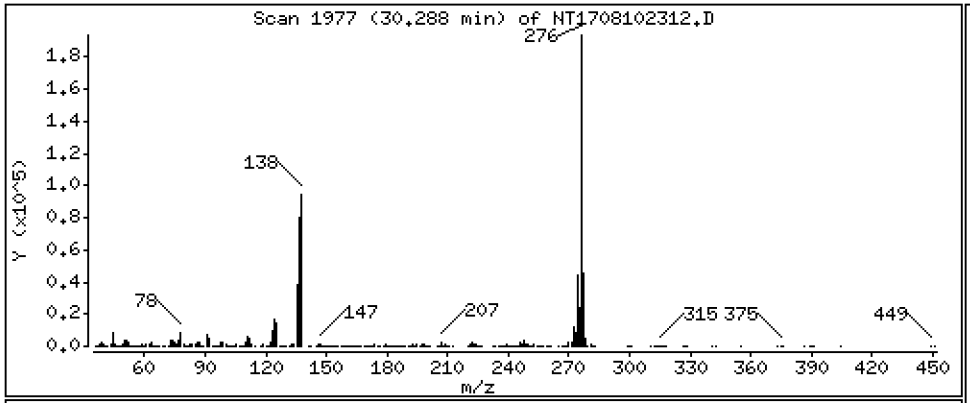
Operator: JGR

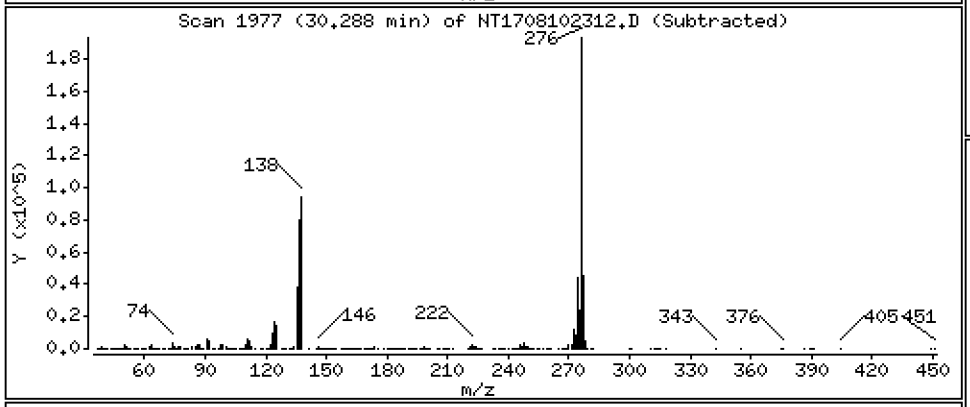
Column phase: ZB-5msi

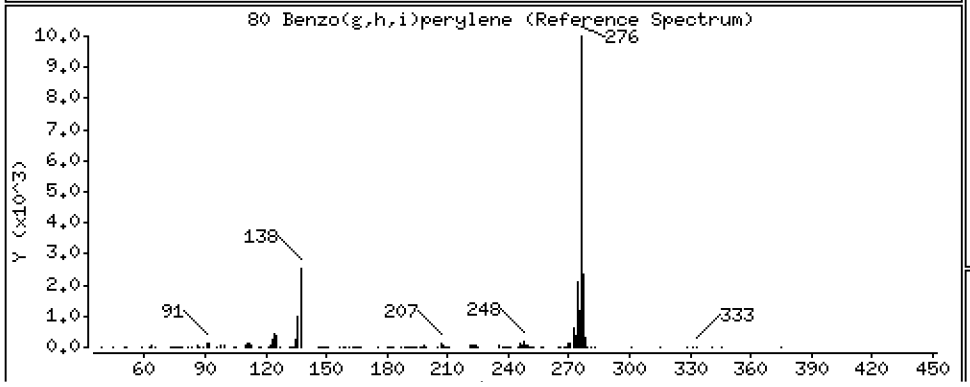
Column diameter: 0.25

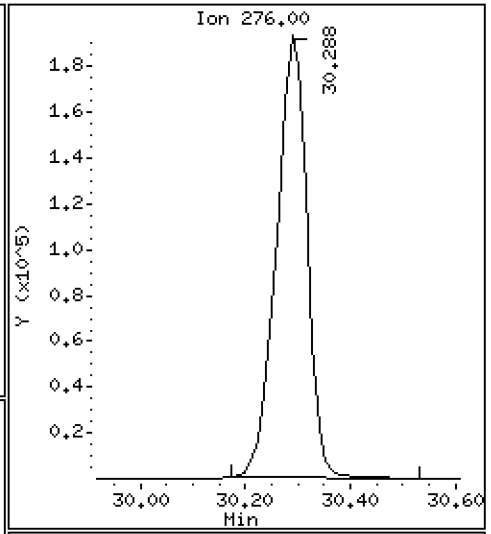
80 Benzo(g,h,i)perylene

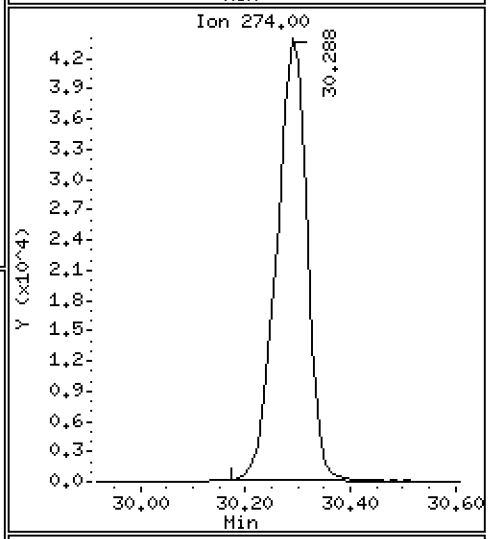
Concentration: 5.566 ug/mL

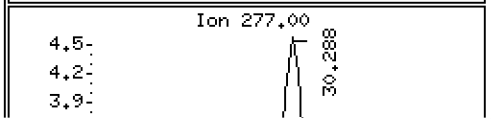












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

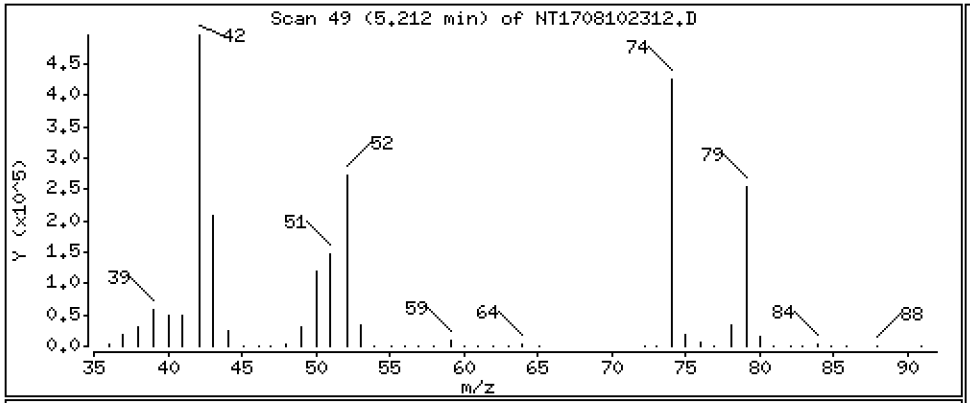
Operator: JGR

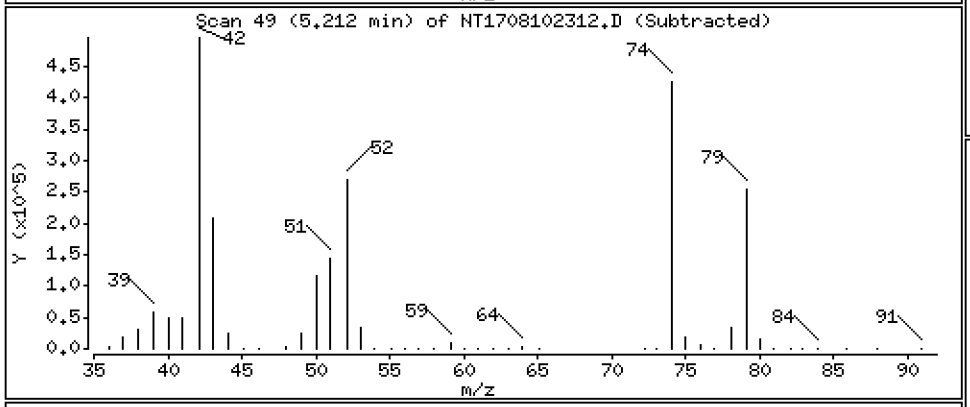
Column phase: ZB-5msi

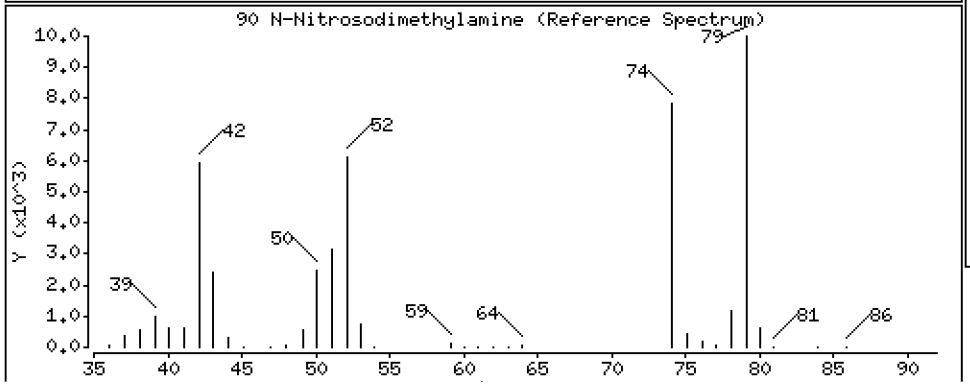
Column diameter: 0.25

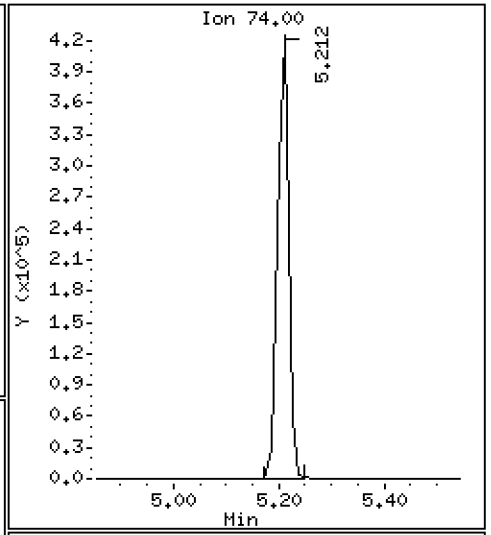
90 N-Nitrosodimethylamine

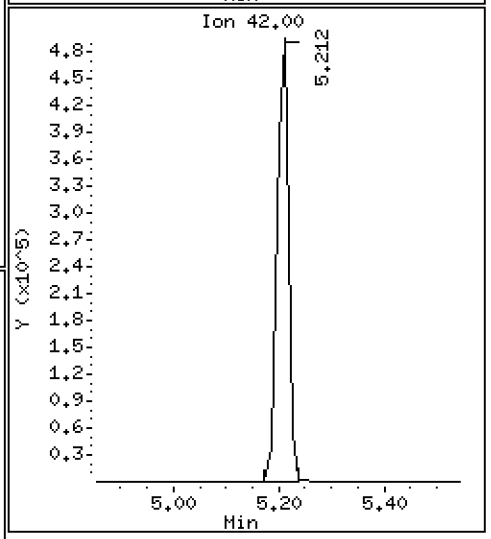
Concentration: 5.576 ug/mL











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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

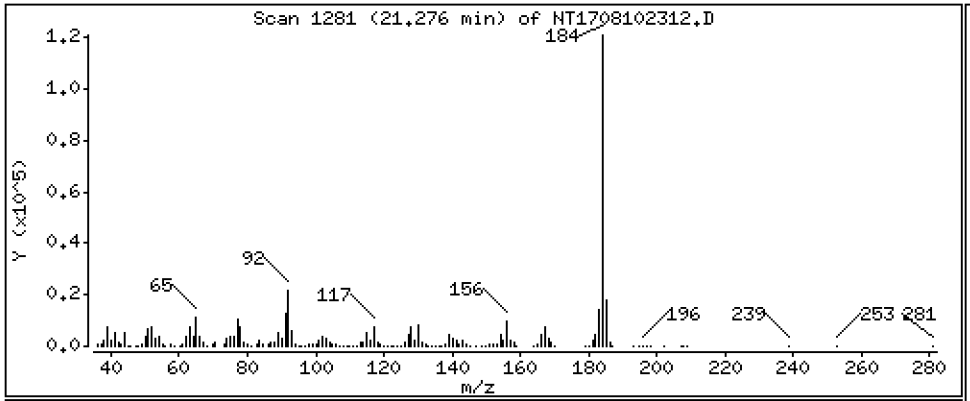
Operator: JGR

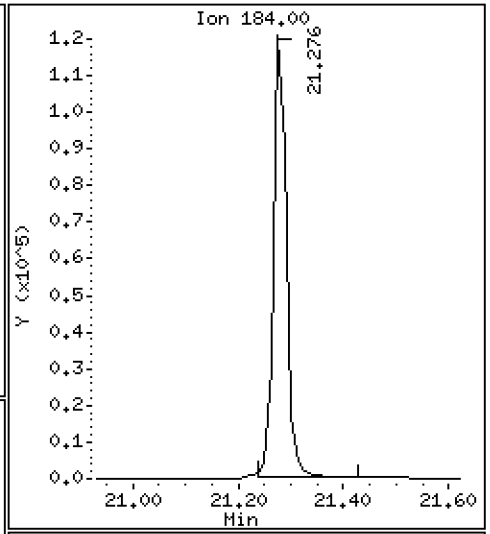
Column phase: ZB-5msi

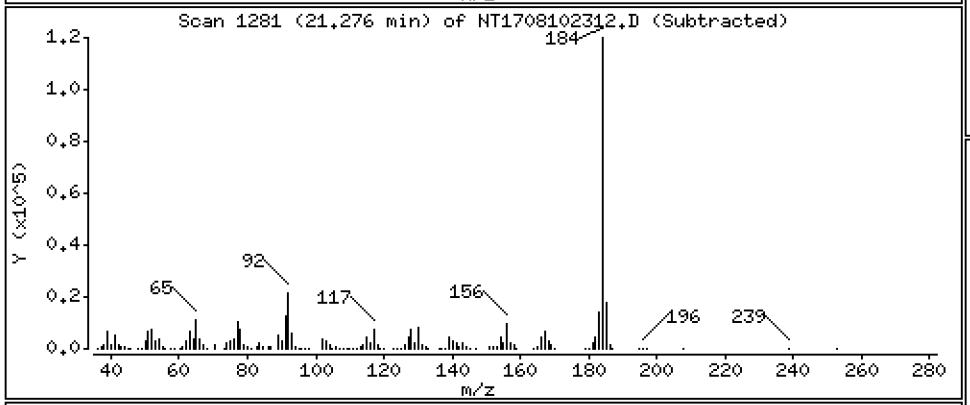
Column diameter: 0.25

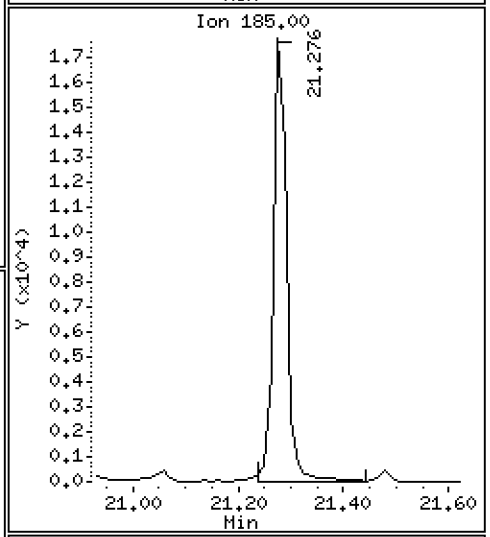
93 Benzidine

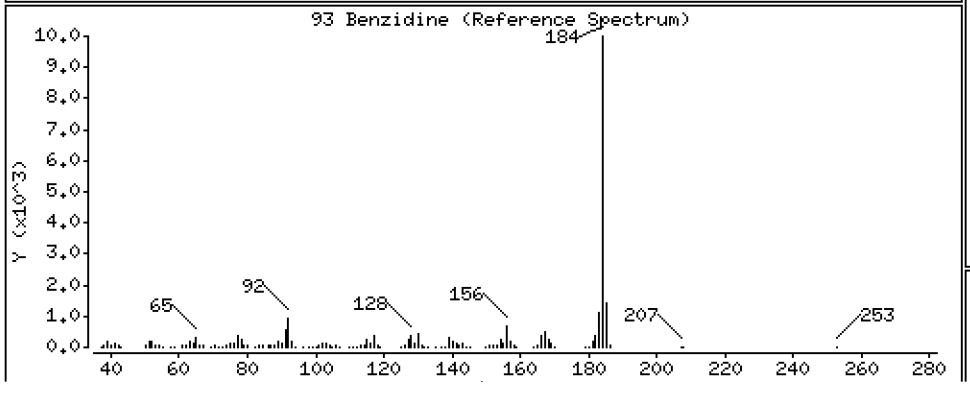
Concentration: 2.026 ug/mL

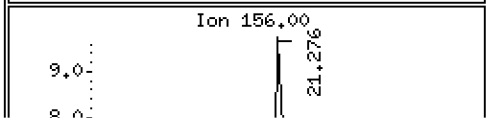












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

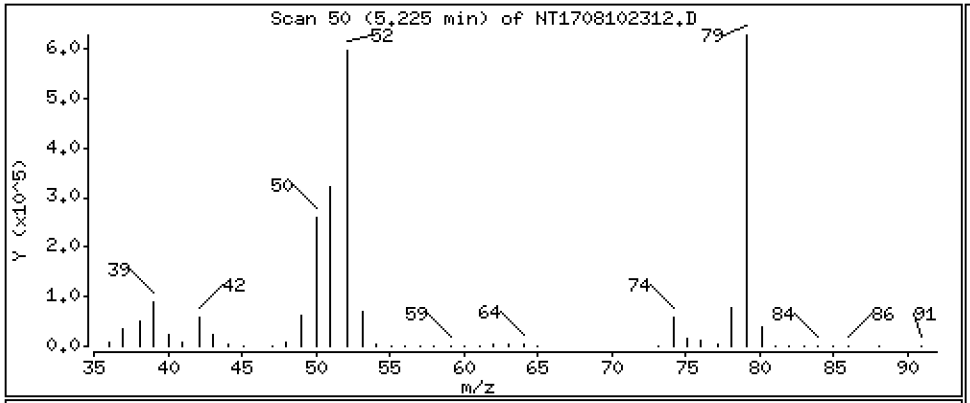
Operator: JGR

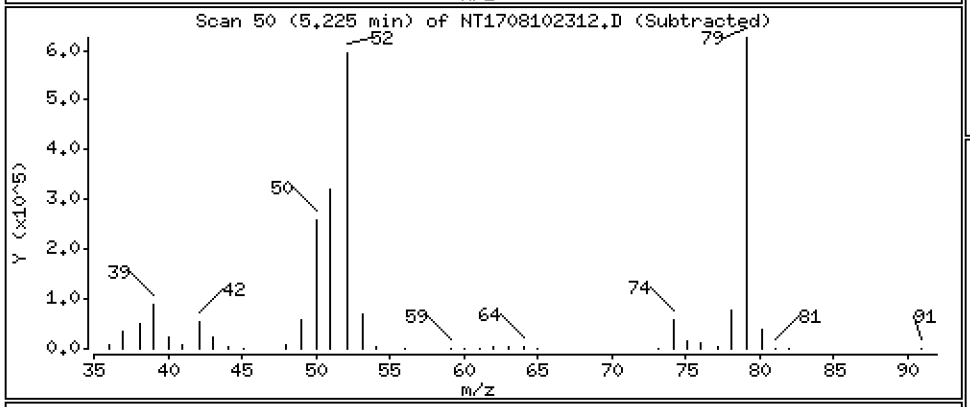
Column phase: ZB-5msi

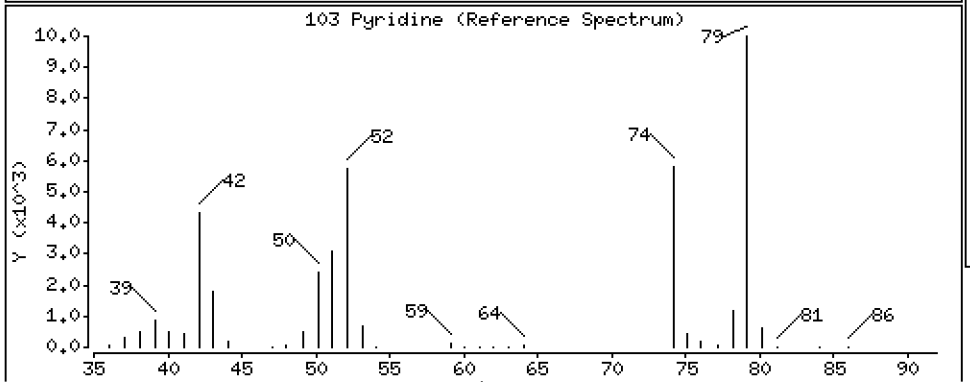
Column diameter: 0.25

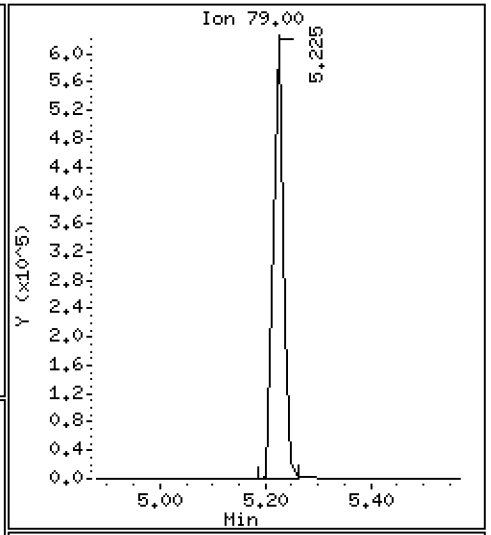
103 Pyridine

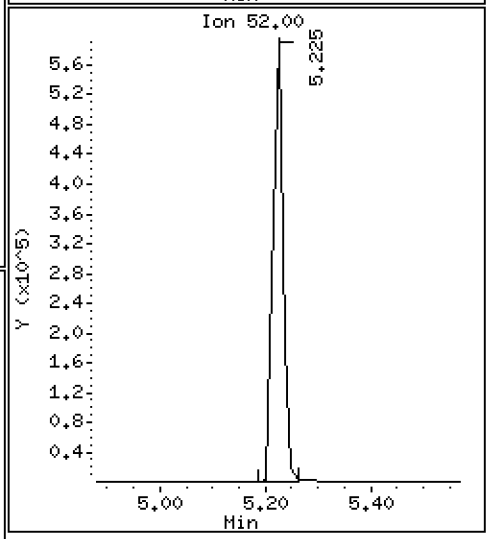
Concentration: 5.374 ug/mL











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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

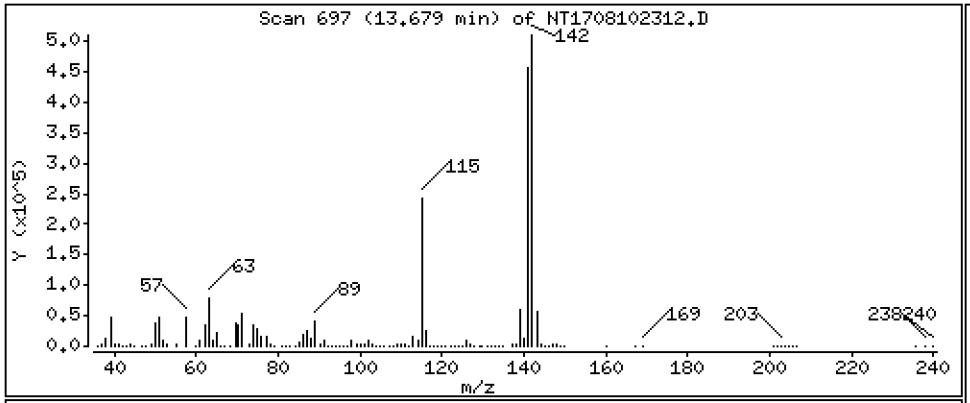
Operator: JGR

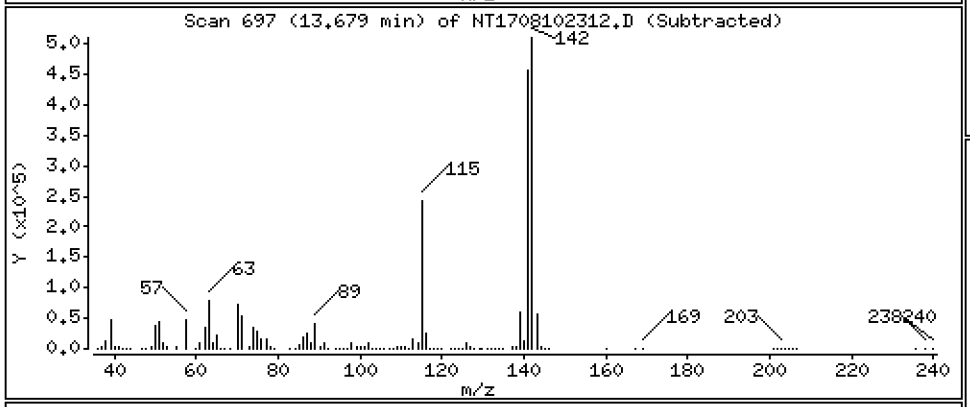
Column phase: ZB-5msi

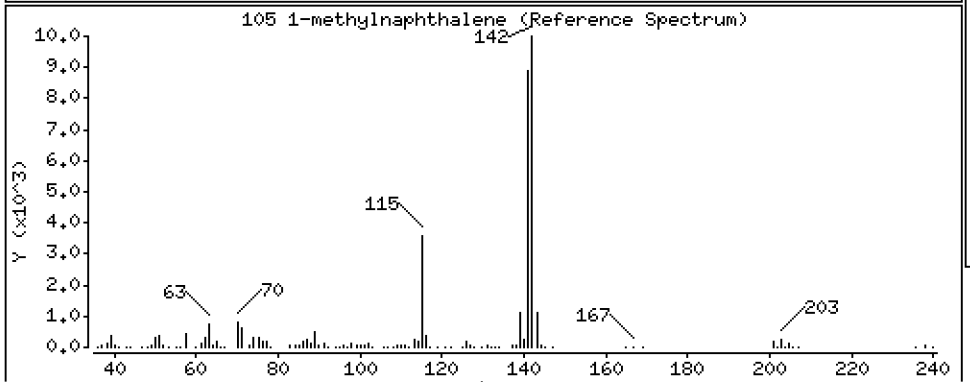
Column diameter: 0.25

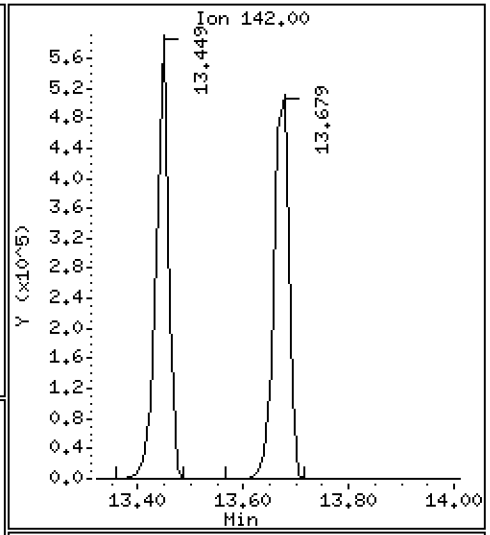
105 1-methylnaphthalene

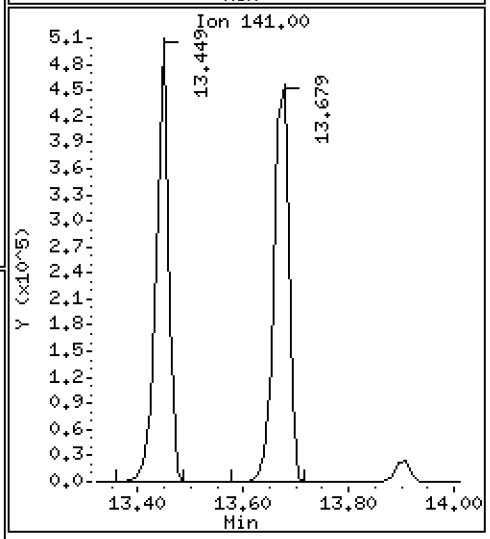
Concentration: 5.674 ug/mL











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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

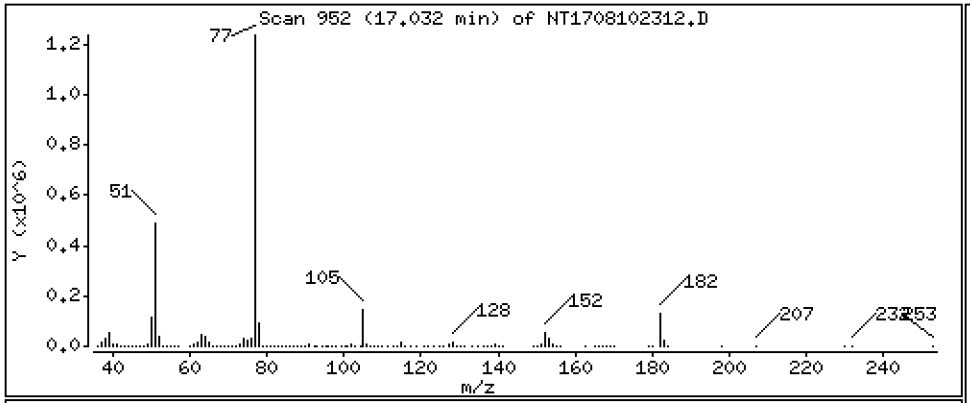
Operator: JGR

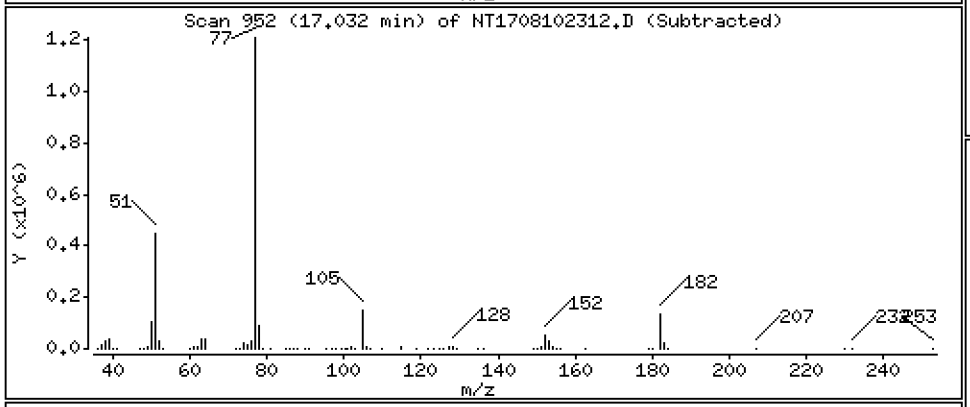
Column phase: ZB-5msi

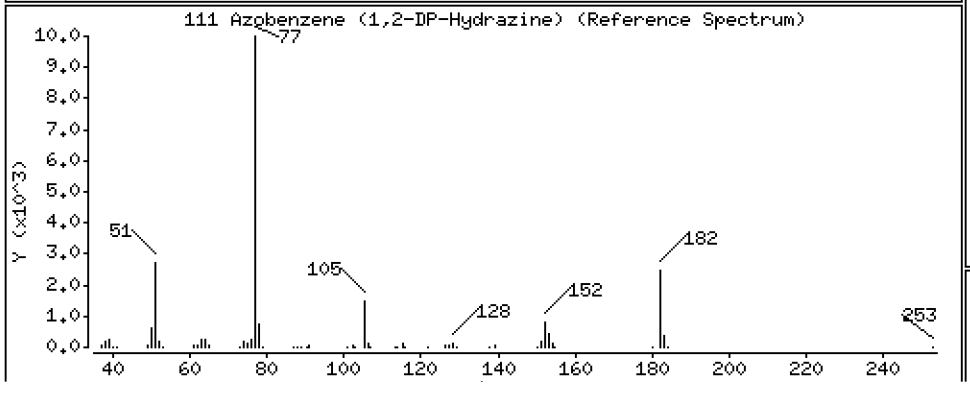
Column diameter: 0.25

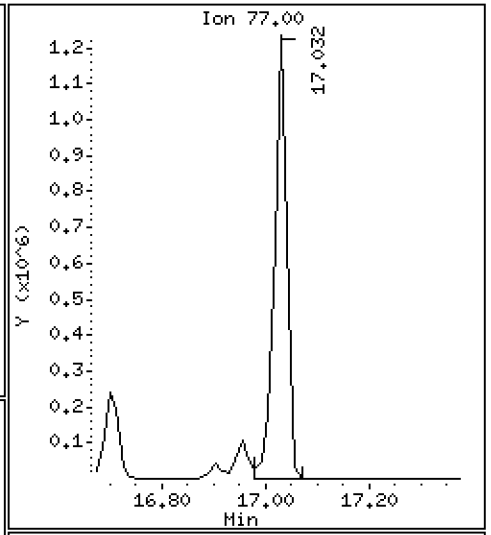
111 Azobenzene (1,2-DP-Hydrazine)

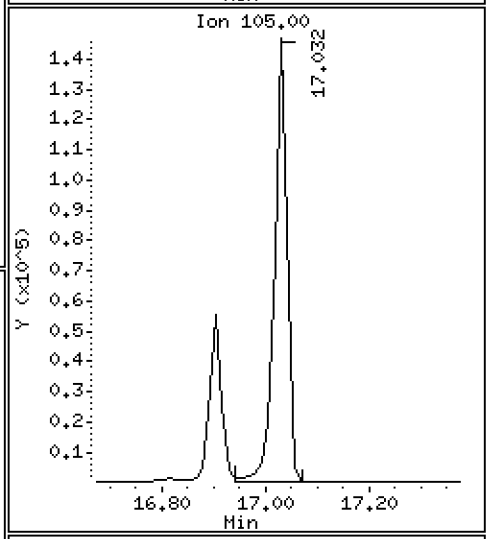
Concentration: 5.785 ug/mL

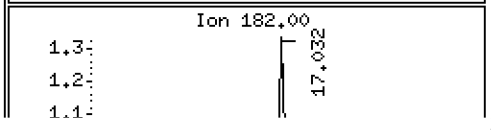












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

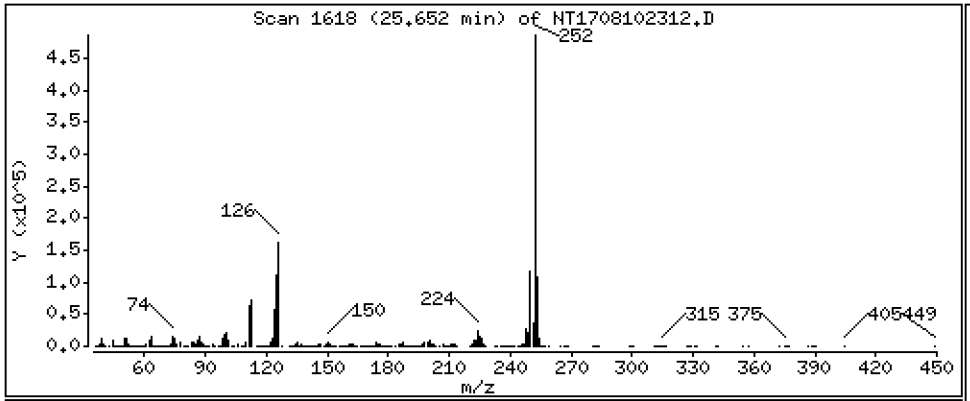
Operator: JGR

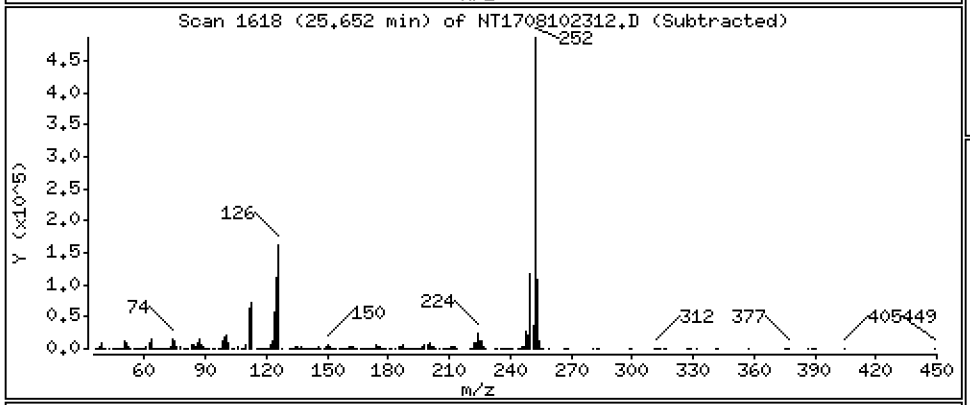
Column phase: ZB-5msi

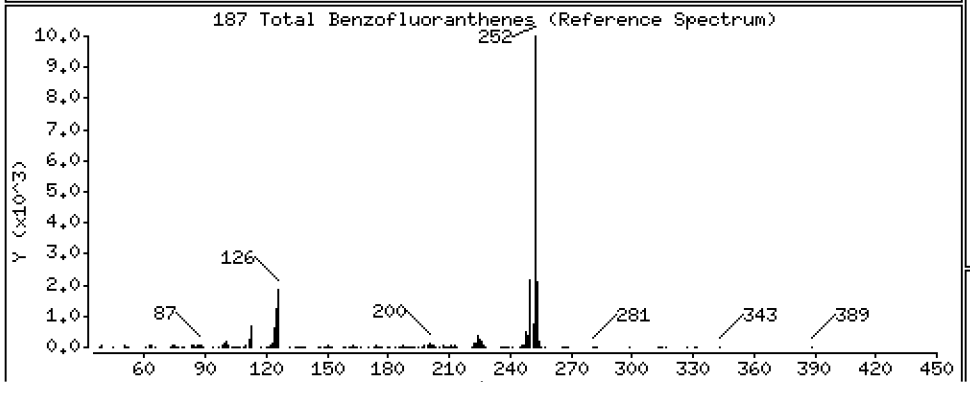
Column diameter: 0.25

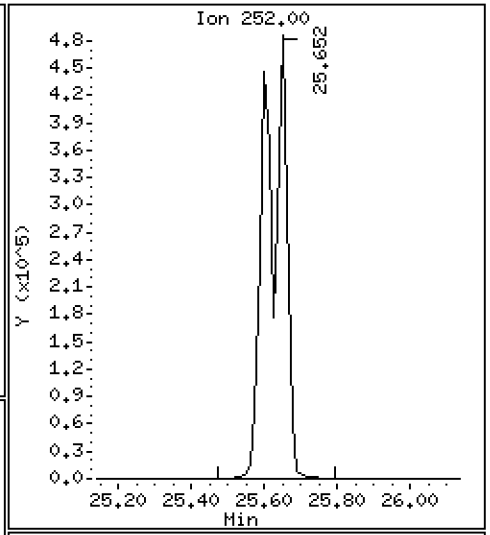
187 Total Benzofluoranthenes

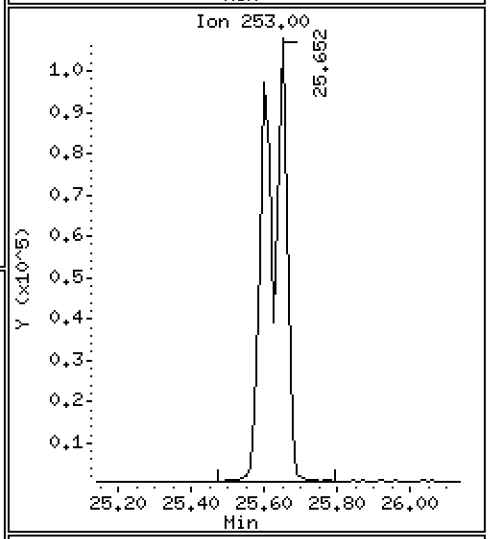
Concentration: 11.15 ug/mL

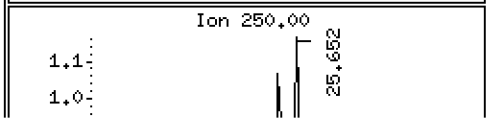












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

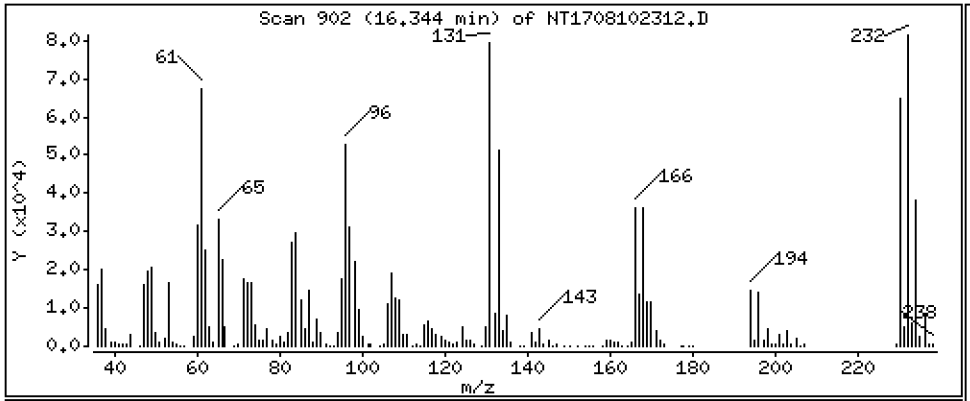
Operator: JGR

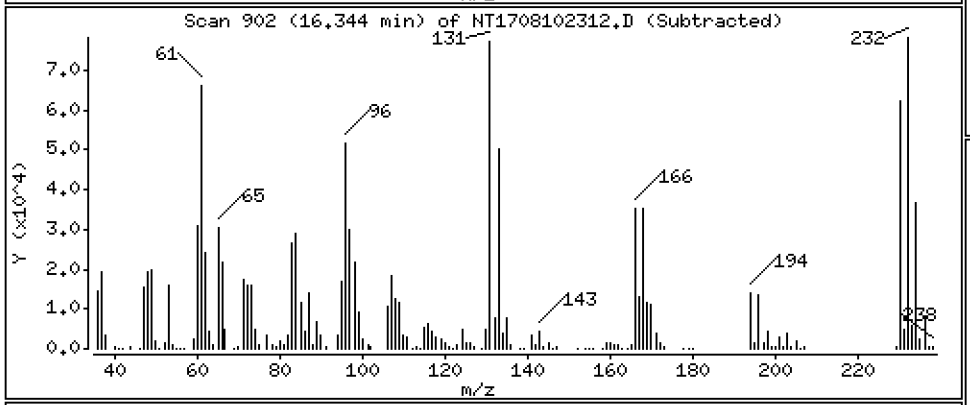
Column phase: ZB-5msi

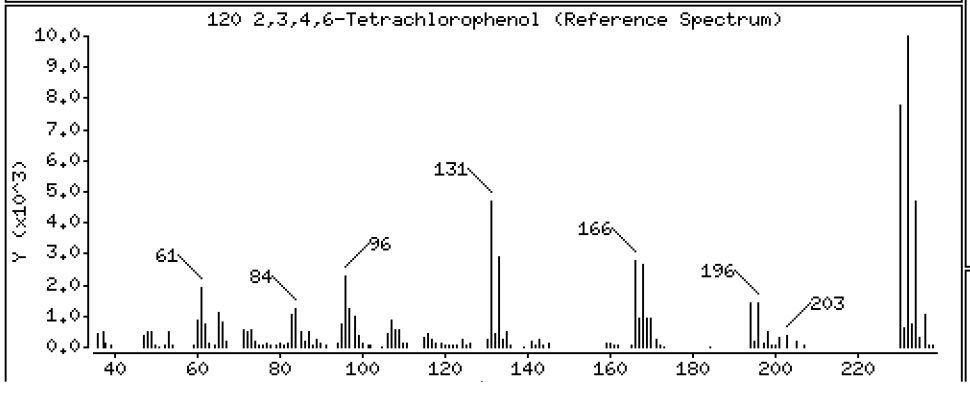
Column diameter: 0.25

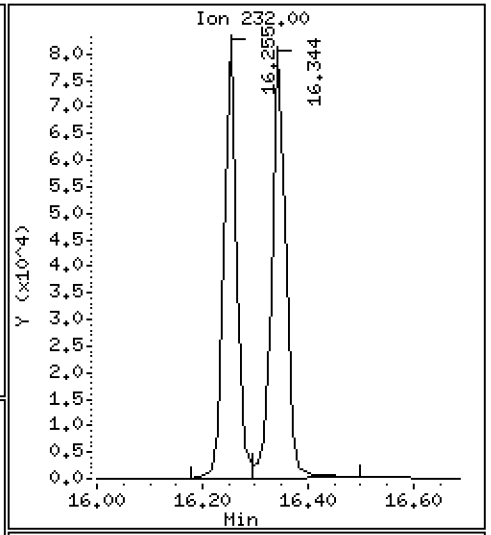
120 2,3,4,6-Tetrachlorophenol

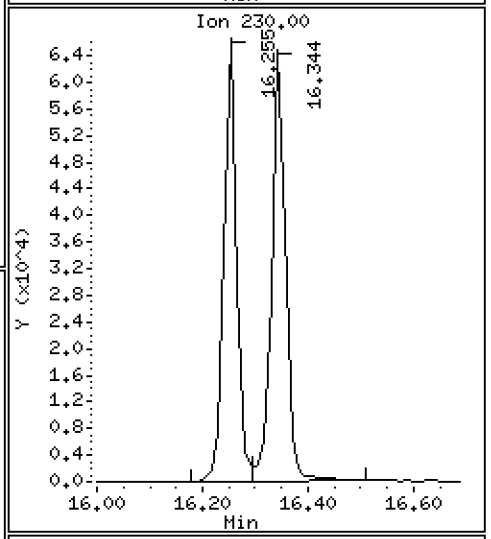
Concentration: 4.947 ug/mL

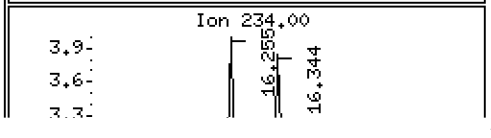












ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D
Lab Smp Id: SEQ-SCV1
Inj Date : 10-AUG-2023 18:45
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-SCV1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt17.i\20230810.b\ABN.m
Meth Date : 17-Aug-2023 08:14 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:16 Cal File: NT1708102308.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 4.14
Processing Host: JOSHR-201909

							CONCENTRATIONS	
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	Compound Not Detected.					
$	2 Phenol-d5	99	Compound Not Detected.					
	3 Phenol	94	8.881	8.880	(0.932)	853825	5.37443	5.374
$	5 2-Chlorophenol-d4	132	Compound Not Detected.					
	4 Bis(2-Chloroethyl)ether	93	9.072	9.071	(0.952)	751787	5.80678	5.807
	6 2-Chlorophenol	128	9.199	9.199	(0.965)	509405	5.34930	5.349
	7 1,3-Dichlorobenzene	146	9.467	9.467	(0.993)	522205	5.18488	5.185
*	8 1,4-Dichlorobenzene-d4	152	9.531	9.531	(1.000)	238152	4.00000	
	9 1,4-Dichlorobenzene	146	9.569	9.569	(1.004)	513062	5.26606	5.266
$	10 1,2-Dichlorobenzene-d4	152	Compound Not Detected.					
	12 1,2-Dichlorobenzene	146	9.927	9.927	(1.042)	497837	5.22843	5.228
	11 Benzyl alcohol	108	9.786	9.786	(1.027)	408476	5.67234	5.672
	14 2,2'-oxybis(1-Chloropropane)	121	10.093	10.080	(1.059)	198858	6.24065	6.241
	13 2-Methylphenol	108	10.004	10.003	(1.050)	495003	4.79255	4.793
	17 Hexachloroethane	117	10.515	10.514	(1.103)	277859	5.52590	5.526
	16 N-Nitroso-di-n-propylamine	70	10.349	10.348	(1.086)	689905	5.81178	5.812
	15 4-Methylphenol	108	10.272	10.259	(1.078)	677770	4.63770	4.638
$	18 Nitrobenzene-d5	82	Compound Not Detected.					

	19	Nitrobenzene	77	10.668	10.668	(0.887)	922720	5.52906	5.529
	20	Isophorone	82	11.102	11.102	(0.924)	1624844	6.31383	6.314
	21	2-Nitrophenol	139	11.294	11.294	(0.940)	238253	4.75297	4.753
	22	2,4-Dimethylphenol	107	11.307	11.306	(0.941)	473027	4.12274	4.123
	23	Bis(2-Chloroethoxy)methane	93	11.524	11.511	(0.959)	864818	6.40854	6.409
	24	Benzoic acid	105	11.485	11.396	(0.955)	732844	7.38164	7.382(M)
	25	2,4-Dichlorophenol	162	11.728	11.728	(0.976)	333365	5.68579	5.686
	26	1,2,4-Trichlorobenzene	180	11.932	11.919	(0.993)	346953	5.09211	5.092
*	27	Naphthalene-d8	136	12.021	12.021	(1.000)	999397	4.00000	
	28	Naphthalene	128	12.059	12.059	(1.003)	1533495	5.64173	5.642
	29	4-Chloroaniline	127	12.174	12.174	(1.013)	521497	4.21315	4.213
	30	Hexachlorobutadiene	225	12.403	12.403	(1.032)	162004	5.17310	5.173
	31	4-Chloro-3-methylphenol	107	13.117	13.117	(1.091)	538110	4.79816	4.798
	32	2-Methylnaphthalene	142	13.449	13.449	(1.119)	1010655	5.37027	5.370
	33	Hexachlorocyclopentadiene	237	13.908	13.908	(0.890)	186721	4.28193	4.282

		QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
Compounds								
34	2,4,6-Trichlorophenol	196	14.061	14.061	(0.900)	211027	4.37559	4.376
35	2,4,5-Trichlorophenol	196	14.125	14.125	(0.904)	224420	5.12673	5.127
$ 36	2-Fluorobiphenyl	172	Compound Not Detected.					
37	2-Chloronaphthalene	162	14.444	14.444	(0.924)	844636	5.50677	5.507
38	2-Nitroaniline	65	14.699	14.699	(0.940)	573338	4.62995	4.630
39	Dimethylphthalate	163	15.120	15.107	(0.967)	906040	5.66456	5.665
40	Acenaphthylene	152	15.324	15.311	(0.980)	1373659	5.81809	5.818
41	2,6-Dinitrotoluene	165	15.260	15.260	(0.976)	200136	5.75665	5.757
* 42	Acenaphthene-d10	164	15.630	15.630	(1.000)	458301	4.00000	
43	3-Nitroaniline	138	15.553	15.540	(0.995)	243386	4.28419	4.284
44	Acenaphthene	153	15.693	15.693	(1.004)	855058	5.76800	5.768
45	2,4-Dinitrophenol	184	15.757	15.757	(1.008)	66543	3.26759	3.268
46	Dibenzofuran	168	16.012	16.012	(1.024)	1088783	5.40736	5.407
47	4-Nitrophenol	109	15.834	15.833	(1.013)	184396	4.55597	4.556
48	2,4-Dinitrotoluene	165	16.076	16.063	(1.029)	260979	4.76165	4.762
50	Diethylphthalate	149	16.560	16.560	(1.060)	995420	4.84838	4.848
49	Fluorene	166	16.726	16.726	(1.070)	896893	5.56490	5.565
51	4-Chlorophenyl-phenylether	204	16.713	16.700	(1.069)	416370	5.71968	5.720
52	4-Nitroaniline	138	16.815	16.815	(1.076)	232986	5.12698	5.127
53	4,6-Dinitro-2-methylphenol	198	16.904	16.904	(0.906)	107002	3.71892	3.719
54	N-Nitrosodiphenylamine	169	16.955	16.955	(0.909)	609701	5.25249	5.252
$ 55	2,4,6-Tribromophenol	330	Compound Not Detected.					
56	4-Bromophenyl-phenylether	248	17.706	17.705	(0.949)	177638	5.56587	5.566
57	Hexachlorobenzene	284	18.037	18.037	(0.967)	175467	4.98567	4.986
58	Pentachlorophenol	266	18.381	18.394	(0.985)	102188	4.90302	4.903
* 59	Phenanthrene-d10	188	18.662	18.662	(1.000)	768042	4.00000	
60	Phenanthrene	178	18.713	18.700	(1.003)	1217609	5.48433	5.484
61	Anthracene	178	18.802	18.802	(1.008)	1033794	5.19179	5.192
62	Carbazole	167	19.121	19.121	(1.025)	964829	4.70797	4.708
63	Di-n-butylphthalate	149	19.873	19.860	(1.065)	1803987	4.88629	4.886
64	Fluoranthene	202	21.059	21.059	(0.891)	1291281	6.14066	6.141
65	Pyrene	202	21.480	21.480	(0.908)	1290184	5.87262	5.873
$ 66	Terphenyl-d14	244	Compound Not Detected.					
67	Butylbenzylphthalate	149	22.641	22.641	(0.957)	807112	5.34587	5.346
68	Benzo(a)anthracene	228	23.610	23.610	(0.998)	1064047	5.38404	5.384
* 69	Chrysene-d12	240	23.649	23.636	(1.000)	513664	4.00000	
70	3,3'-Dichlorobenzidine	252	23.559	23.559	(0.996)	651023	11.0516	11.05
71	Chrysene	228	23.687	23.687	(1.002)	940459	5.55666	5.557
72	bis(2-Ethylhexyl)phthalate	149	23.636	23.636	(0.959)	1175166	5.56131	5.561
* 134	Di-n-octylphthalate-d4	153	24.644	24.643	(1.000)	1284068	4.00000	

	73	Di-n-octylphthalate	149	24.656	24.656	(1.001)	1942342	5.60048	5.600
	74	Benzo(b)fluoranthene	252	25.600	25.600	(0.968)	1012738	4.67085	4.671
	75	Benzo(k)fluoranthene	252	25.651	25.638	(0.970)	993893	5.40805	5.408
	76	Benzo(a)pyrene	252	26.328	26.315	(0.995)	863816	5.20063	5.201
*	77	Perylene-d12	264	26.455	26.442	(1.000)	497389	4.00000	
	78	Indeno(1,2,3-cd)pyrene	276	29.419	29.380	(1.112)	968437	4.76498	4.765
	79	Dibenzo(a,h)anthracene	278	29.419	29.393	(1.112)	812204	4.55302	4.553
	80	Benzo(g,h,i)perylene	276	30.288	30.262	(1.145)	775552	5.56629	5.566(M)
	90	N-Nitrosodimethylamine	74	5.211	5.198	(0.547)	623091	5.57611	5.576
	91	Aniline	93	Compound Not Detected.					
	93	Benzidine	184	21.276	21.276	(0.900)	207672	2.02581	2.026
	103	Pyridine	79	5.224	5.224	(0.548)	858478	5.37379	5.374
	105	1-methylnaphthalene	142	13.678	13.666	(1.138)	979212	5.67422	5.674
	111	Azobenzene (1,2-DP-Hydrazine)	77	17.031	17.031	(1.090)	2019978	5.78472	5.785

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.651	25.638	(0.970)	1892523	11.1455	11.15
120 2,3,4,6-Tetrachlorophenol	232	16.343	16.343	(1.046)	166955	4.94743	4.947

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102312.D
Lab Smp Id: SEQ-SCV1
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\ABN.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 13:47
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	270862	135431	541724	238152	-12.08
27 Naphthalene-d8	1109588	554794	2219176	999397	-9.93
42 Acenaphthene-d10	499186	249593	998372	458301	-8.19
59 Phenanthrene-d10	798865	399433	1597730	768042	-3.86
69 Chrysene-d12	542628	271314	1085256	513664	-5.34
134 Di-n-octylphthala	1404894	702447	2809788	1284068	-8.60
77 Perylene-d12	520366	260183	1040732	497389	-4.42

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.53	9.03	10.03	9.53	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.66	0.00
69 Chrysene-d12	23.65	23.15	24.15	23.65	0.00
134 Di-n-octylphthala	24.64	24.14	25.14	24.64	0.00
77 Perylene-d12	26.46	25.96	26.96	26.46	0.00

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

REVIEW SUMMARY FOR FILE - NT1708102312.D

Lab ID: SEQ-SCV1
nt17.i, ABN.m, 10-AUG-2023 18:45

RT	CO-ELUTION COMPOUNDS
29.419	Indeno(1,2,3-cd)pyrene and Dibenzo(a,h)anthracene
29.419	Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene

** FIRST SURROGATE NOT FOUND. ICAL Check not performed **

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.955	0.948	0.0074	Benzoic acid

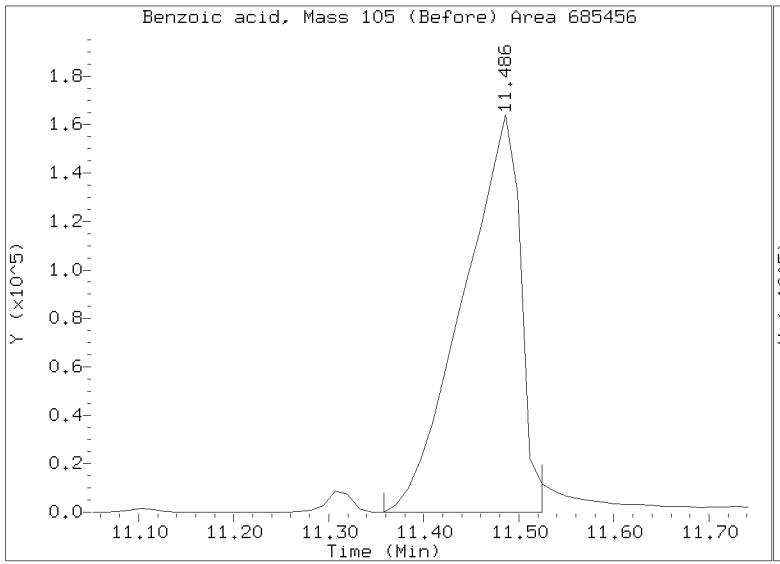
RRT check based on Ccal File: NT1708102308.D

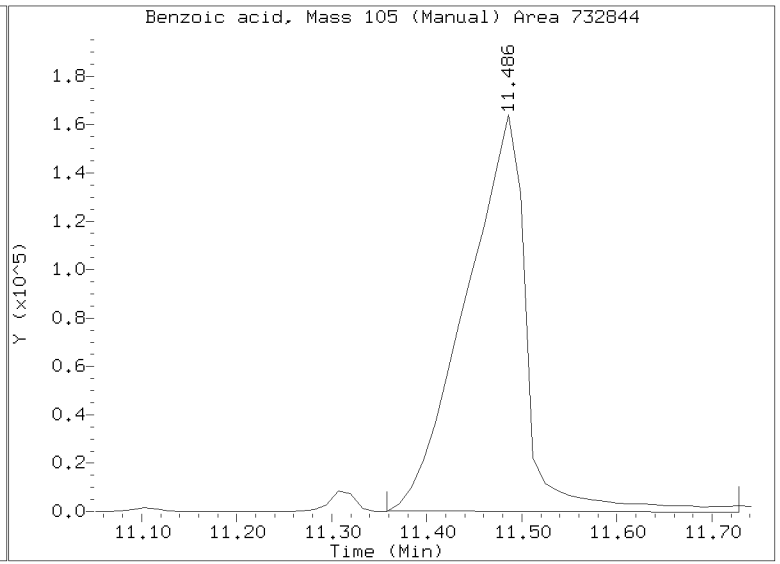
On Column LOD for nt17.i, ABN.m, ICAL.sub = 0.0000

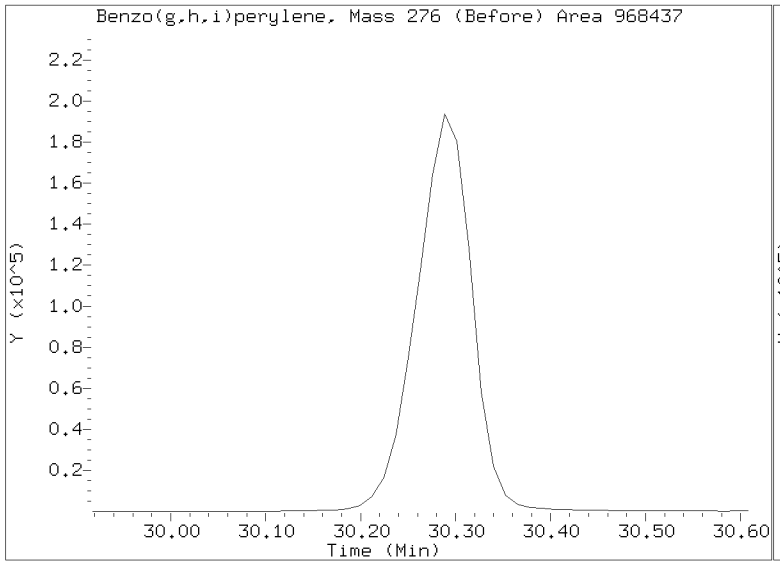
* Only compounds listed in the work order have been verified by the analyst *

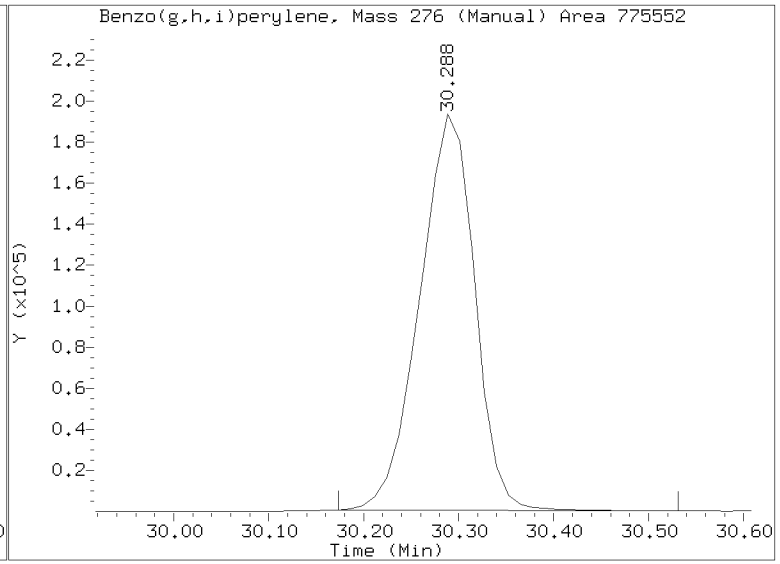
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230810.b/NT1708102312.D
Injection Date: 10-AUG-2023 18:45
Lab ID:SEQ-SCV1 Client ID:
Report Date: 08/17/2023 08:14









Analytical Resources, LLC
Analytical Chemists and Consultants

INITIAL CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Instrument ID:	NT17	Calibration:	GH00044
Lab File ID:	NT1708112302.D	Calibration Date:	08/10/2023
Sequence:	SLH0241	Injection Date:	08/11/23
Lab Sample ID:	SLH0241-ICV1	Injection Time:	12:50
Sequence Name:	ABN 5		

		CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Phenol	A	5.0000	5.1	2.6683440	2.7082900		1.5	+/-20
4-Methylphenol	A	5.0000	4.9	2.1569720	2.4255440		-1.2	+/-20
Naphthalene	A	5.0000	5.0	1.0879080	1.0978740		0.9	+/-20
2-Methylnaphthalene	A	5.0000	5.3	0.7532315	0.7972814		5.8	+/-20
Acenaphthylene	A	5.0000	5.2	2.0606670	2.1396270		3.8	+/-20
Dimethylphthalate	A	5.0000	5.2	1.3960150	1.4448080		3.5	+/-20
Acenaphthene	A	5.0000	5.1	1.2938380	1.3185240		1.9	+/-20
Dibenzofuran	A	5.0000	5.1	1.7573770	1.7748500		1.0	+/-20
Fluorene	A	5.0000	5.9	1.4066720	1.6464500		17.0	+/-20
Phenanthrene	A	5.0000	5.0	1.1562710	1.1662200		0.9	+/-20
Anthracene	A	5.0000	5.4	1.0370310	1.1167770		7.7	+/-20
Fluoranthene	A	5.0000	5.4	1.6375210	1.7832320		8.9	+/-20
Pyrene	A	5.0000	5.4	1.7108040	1.8491130		8.1	+/-20
Butylbenzylphthalate	A	5.0000	4.7	0.9323885	1.0968250		-6.7	+/-20
Benzo(a)anthracene	A	5.0000	4.9	1.5389820	1.5045180		-2.2	+/-20
Chrysene	A	5.0000	5.1	1.3179730	1.3381440		1.5	+/-20
bis(2-Ethylhexyl)phthalate	A	5.0000	5.1	0.5927176	0.6690065		1.6	+/-20
Benzofluoranthenes, Total	A	10.000	10.2	1.3655470	1.3980040		2.4	+/-20
Benzo(a)pyrene	A	5.0000	4.3	1.0775790	1.1375410		-14.8	+/-20
Indeno(1,2,3-cd)pyrene	A	5.0000	4.3	1.3421580	1.3957680		-14.6	+/-20
Dibenzo(a,h)anthracene	A	5.0000	4.2	1.1755640	1.2107520		-15.6	+/-20
Benzo(g,h,i)perylene	A	5.0000	5.3	1.1204920	1.1792550		5.2	+/-20
2-Fluorophenol	A	7.5000	7.54	1.8089450	1.8180650		0.5	+/-20
Phenol-d5	A	7.5000	7.73	2.5756470	2.6529590		3.0	+/-20
2-Chlorophenol-d4	A	7.5000	7.57	1.6037110	1.6190180		1.0	+/-20
1,2-Dichlorobenzene-d4	A	5.0000	4.88	0.9984815	0.9752737		-2.3	+/-20
Nitrobenzene-d5	A	5.0000	5.47	0.6217277	0.6797888		9.3	+/-20
2-Fluorobiphenyl	A	5.0000	4.93	1.4793200	1.4591600		-1.4	+/-20
2,4,6-Tribromophenol	A	7.5000	7.60	0.1151825	0.1261647		1.4	+/-20
p-Terphenyl-d14	A	5.0000	5.28	1.2089530	1.2754820		5.5	+/-20

* Values outside of QC limits

Analytical Resources, LLC
Analytical Chemists and Consultants

INITIAL CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Instrument ID:	NT17	Calibration:	GH00044
Lab File ID:	NT1708112302.D	Calibration Date:	08/10/2023
Sequence:	SLH0241	Injection Date:	08/11/23
Lab Sample ID:	SLH0241-ICV1	Injection Time:	12:50
Sequence Name:	ABN 5		

		CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
1,4-Dichlorobenzene-d4	A	4.0000	4.0	67715.5000	1.0000			
Naphthalene-d8	A	4.0000	4.0	277397.0000	1.0000			
Acenaphthene-d10	A	4.0000	4.0	124796.5000	1.0000			
Phenanthrene-d10	A	4.0000	4.0	199716.3000	1.0000			
Chrysene-d12	A	4.0000	4.0	135657.0000	1.0000			
Di-n-Octylphthalate-d4	A	4.0000	4.0	351223.5000	1.0000			
Perylene-d12	A	4.0000	4.0	130091.5000	1.0000			

* Values outside of QC limits

Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112302.D

Date : 11-AUG-2023 12:50

Client ID:

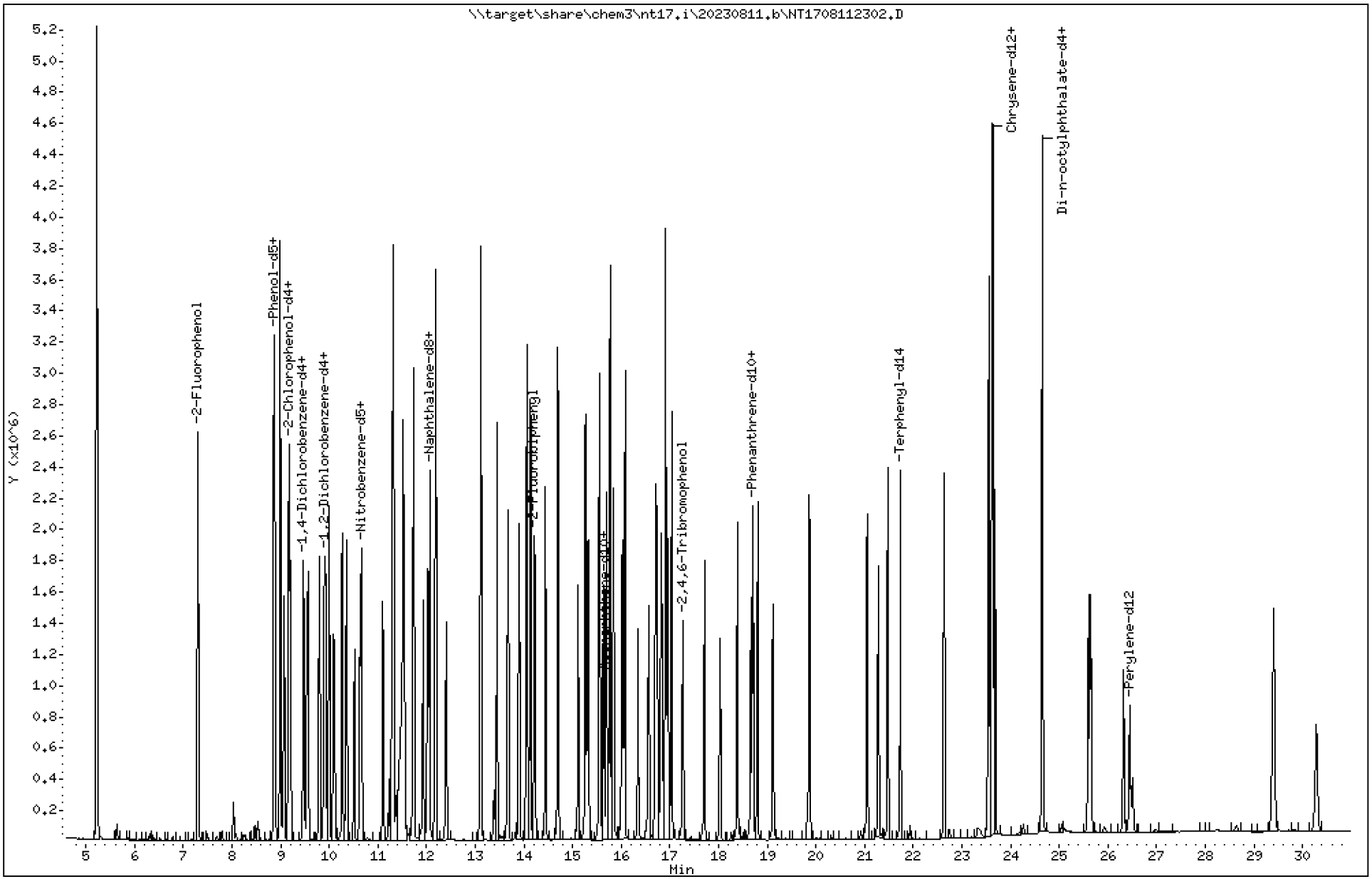
Instrument: nt17.i

Sample Info: SEQ-ICV1

Operator: JGR

Column phase: ZB-5msi

Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt17.i\20230811.b\NT1708112302.D
Lab Smp Id: SEQ-ICV1
Inj Date : 11-AUG-2023 12:50
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-ICV1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt17.i\20230811.b\ABN.m
Meth Date : 17-Aug-2023 10:28 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:16 Cal File: NT1708102308.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	7.301	7.301	(0.766)	830824	7.50000	7.538
$	2 Phenol-d5	99	8.868	8.868	(0.930)	1212356	7.50000	7.725
	3 Phenol	94	8.880	8.880	(0.932)	825094	5.00000	5.075
$	5 2-Chlorophenol-d4	132	9.173	9.173	(0.963)	739863	7.50000	7.572
	4 Bis(2-Chloroethyl)ether	93	9.072	9.072	(0.952)	654142	5.00000	4.937
	6 2-Chlorophenol	128	9.199	9.199	(0.965)	487871	5.00000	5.006
	7 1,3-Dichlorobenzene	146	9.467	9.467	(0.993)	505656	5.00000	4.906
*	8 1,4-Dichlorobenzene-d4	152	9.531	9.531	(1.000)	243724	4.00000	
	9 1,4-Dichlorobenzene	146	9.569	9.569	(1.004)	493573	5.00000	4.950
$	10 1,2-Dichlorobenzene-d4	152	9.901	9.901	(1.039)	297122	5.00000	4.884
	12 1,2-Dichlorobenzene	146	9.927	9.927	(1.042)	474108	5.00000	4.865
	11 Benzyl alcohol	108	9.786	9.786	(1.027)	392951	5.00000	5.332
	14 2,2'-oxybis(1-Chloropropane)	121	10.093	10.093	(1.059)	168735	5.00000	5.174
	13 2-Methylphenol	108	10.003	10.003	(1.050)	546835	5.00000	5.173
	17 Hexachloroethane	117	10.514	10.514	(1.103)	266042	5.00000	5.170
	16 N-Nitroso-di-n-propylamine	70	10.348	10.348	(1.086)	644497	5.00000	5.305
	15 4-Methylphenol	108	10.272	10.272	(1.078)	738954	5.00000	4.941
$	18 Nitrobenzene-d5	82	10.629	10.629	(0.884)	862420	5.00000	5.467
	19 Nitrobenzene	77	10.668	10.668	(0.887)	903720	5.00000	5.332
	20 Isophorone	82	11.102	11.102	(0.924)	1322052	5.00000	5.059
	21 2-Nitrophenol	139	11.294	11.294	(0.940)	231656	5.00000	4.551
	22 2,4-Dimethylphenol	107	11.319	11.319	(0.942)	1150890	10.0000	9.877
	23 Bis(2-Chloroethoxy)methane	93	11.523	11.523	(0.959)	696018	5.00000	5.079
	24 Benzoic acid	105	11.549	11.549	(0.961)	1752307	20.0000	17.38(M)
	25 2,4-Dichlorophenol	162	11.728	11.728	(0.976)	630421	10.0000	10.29
	26 1,2,4-Trichlorobenzene	180	11.932	11.932	(0.993)	344716	5.00000	4.982
*	27 Naphthalene-d8	136	12.021	12.021	(1.000)	1014927	4.00000	
	28 Naphthalene	128	12.059	12.059	(1.003)	1392828	5.00000	5.046
	29 4-Chloroaniline	127	12.186	12.186	(1.014)	1288651	10.0000	10.25
	30 Hexachlorobutadiene	225	12.403	12.403	(1.032)	157276	5.00000	4.945
	31 4-Chloro-3-methylphenol	107	13.117	13.117	(1.091)	1013564	10.0000	8.899
	32 2-Methylnaphthalene	142	13.449	13.449	(1.119)	1011478	5.00000	5.292
	33 Hexachlorocyclopentadiene	237	13.908	13.908	(0.890)	361083	10.0000	8.018

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
	34	2,4,6-Trichlorophenol	196	14.061	14.061	(0.900)	420563	10.0000	8.444
	35	2,4,5-Trichlorophenol	196	14.137	14.137	(0.905)	454520	10.0000	10.05
$	36	2-Fluorobiphenyl	172	14.227	14.227	(0.910)	863281	5.00000	4.932
	37	2-Chloronaphthalene	162	14.443	14.443	(0.924)	805933	5.00000	5.088
	38	2-Nitroaniline	65	14.699	14.699	(0.940)	1167991	10.0000	9.133
	39	Dimethylphthalate	163	15.119	15.119	(0.967)	854790	5.00000	5.175
	40	Acenaphthylene	152	15.324	15.324	(0.980)	1265865	5.00000	5.192
	41	2,6-Dinitrotoluene	165	15.273	15.273	(0.977)	377146	10.0000	10.50
*	42	Acenaphthene-d10	164	15.630	15.630	(1.000)	473303	4.00000	
	43	3-Nitroaniline	138	15.553	15.553	(0.995)	518858	10.0000	8.844
	44	Acenaphthene	153	15.693	15.693	(1.004)	780077	5.00000	5.095
	45	2,4-Dinitrophenol	184	15.770	15.770	(1.009)	411354	20.0000	18.80
	46	Dibenzofuran	168	16.025	16.025	(1.025)	1050052	5.00000	5.050
	47	4-Nitrophenol	109	15.846	15.846	(1.014)	362378	10.0000	8.670
	48	2,4-Dinitrotoluene	165	16.076	16.076	(1.029)	520919	10.0000	9.203
	50	Diethylphthalate	149	16.560	16.560	(1.060)	1213328	5.00000	5.722
	49	Fluorene	166	16.726	16.726	(1.070)	974087	5.00000	5.852
	51	4-Chlorophenyl-phenylether	204	16.713	16.713	(1.069)	391645	5.00000	5.210
	52	4-Nitroaniline	138	16.827	16.827	(1.077)	528390	10.0000	11.26
	53	4,6-Dinitro-2-methylphenol	198	16.916	16.916	(0.906)	468490	20.0000	16.03
	54	N-Nitrosodiphenylamine	169	16.955	16.955	(0.909)	547965	5.00000	4.646
$	55	2,4,6-Tribromophenol	330	17.260	17.260	(1.104)	111964	7.50000	7.603
	56	4-Bromophenyl-phenylether	248	17.705	17.705	(0.949)	162546	5.00000	5.013
	57	Hexachlorobenzene	284	18.037	18.037	(0.967)	178368	5.00000	4.988
	58	Pentachlorophenol	266	18.381	18.381	(0.985)	203807	10.0000	9.388
*	59	Phenanthrene-d10	188	18.662	18.662	(1.000)	780320	4.00000	
	60	Phenanthrene	178	18.713	18.713	(1.003)	1137531	5.00000	5.043
	61	Anthracene	178	18.802	18.802	(1.008)	1089304	5.00000	5.384
	62	Carbazole	167	19.121	19.121	(1.025)	909690	5.00000	4.386
	63	Di-n-butylphthalate	149	19.860	19.860	(1.064)	1653067	5.00000	4.407
	64	Fluoranthene	202	21.059	21.059	(0.891)	1135038	5.00000	5.445
	65	Pyrene	202	21.480	21.480	(0.908)	1176972	5.00000	5.404
$	66	Terphenyl-d14	244	21.735	21.735	(0.919)	811852	5.00000	5.275
	67	Butylbenzylphthalate	149	22.641	22.641	(0.957)	698136	5.00000	4.665
	68	Benzo(a)anthracene	228	23.610	23.610	(0.998)	957635	5.00000	4.888
*	69	Chrysene-d12	240	23.648	23.648	(1.000)	509205	4.00000	
	70	3,3'-Dichlorobenzidine	252	23.559	23.559	(0.996)	714911	15.0000	12.18
	71	Chrysene	228	23.687	23.687	(1.002)	851737	5.00000	5.077
	72	bis(2-Ethylhexyl)phthalate	149	23.636	23.636	(0.959)	1069299	5.00000	5.082
*	134	Di-n-octylphthalate-d4	153	24.643	24.643	(1.000)	1278671	4.00000	
	73	Di-n-octylphthalate	149	24.656	24.656	(1.001)	1726353	5.00000	4.999
	74	Benzo(b)fluoranthene	252	25.600	25.600	(0.968)	946545	5.00000	4.317
	75	Benzo(k)fluoranthene	252	25.651	25.651	(0.970)	921643	5.00000	4.959
	76	Benzo(a)pyrene	252	26.327	26.327	(0.995)	715206	5.00000	4.258
*	77	Perylene-d12	264	26.455	26.455	(1.000)	502984	4.00000	
	78	Indeno(1,2,3-cd)pyrene	276	29.406	29.406	(1.112)	877561	5.00000	4.270
	79	Dibenzo(a,h)anthracene	278	29.419	29.419	(1.112)	761236	5.00000	4.220
	80	Benzo(g,h,i)perylene	276	30.288	30.288	(1.145)	741433	5.00000	5.262(M)
	90	N-Nitrosodimethylamine	74	5.211	5.211	(0.547)	1153530	10.0000	10.09
	91	Aniline	93	8.995	8.995	(0.944)	1809960	10.0000	10.22
	93	Benzidine	184	21.276	21.276	(0.900)	787606	10.0000	7.528
	103	Pyridine	79	5.224	5.224	(0.548)	1567695	10.0000	9.589
	105	1-methylnaphthalene	142	13.678	13.678	(1.138)	913666	5.00000	5.213
	111	Azobenzene (1,2-DP-Hydrazine)	77	17.031	17.031	(1.090)	1933502	5.00000	5.362

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.651	25.651	(0.970)	1757934	10.0000	10.24
120 2,3,4,6-Tetrachlorophenol	232	16.343	16.343	(1.046)	147801	5.00000	4.241

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708112302.D
Lab Smp Id: SEQ-ICV1
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230811.b\ABN.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 13:47
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	243724	121862	487448	243724	0.00
27 Naphthalene-d8	1014927	507464	2029854	1014927	0.00
42 Acenaphthene-d10	473303	236652	946606	473303	0.00
59 Phenanthrene-d10	780320	390160	1560640	780320	0.00
69 Chrysene-d12	509205	254603	1018410	509205	0.00
134 Di-n-octylphthala	1278671	639336	2557342	1278671	0.00
77 Perylene-d12	502984	251492	1005968	502984	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.53	9.03	10.03	9.53	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.66	0.00
69 Chrysene-d12	23.65	23.15	24.15	23.65	0.00
134 Di-n-octylphthala	24.64	24.14	25.14	24.64	0.00
77 Perylene-d12	26.46	25.96	26.96	26.46	0.00

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

REVIEW SUMMARY FOR FILE - NT1708112302.D

Lab ID: SEQ-ICV1
nt17.i, ABN.m, 11-AUG-2023 12:50

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

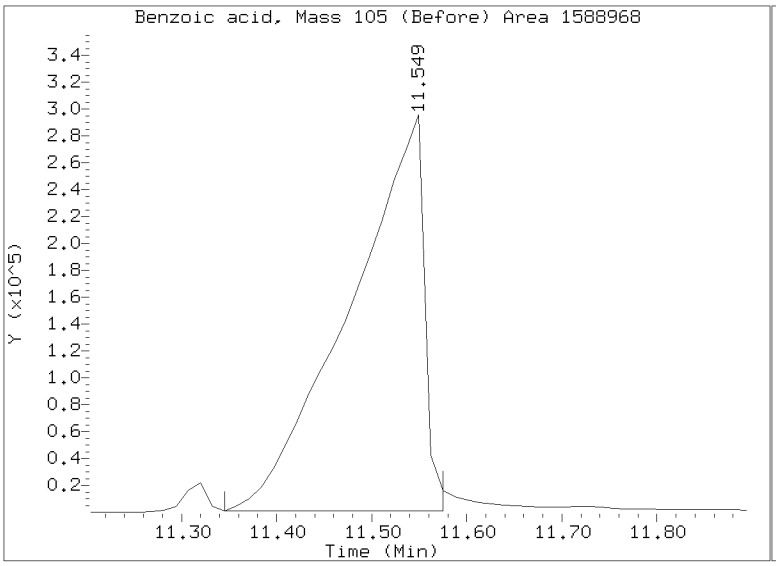
No RRT check. Ccal file.

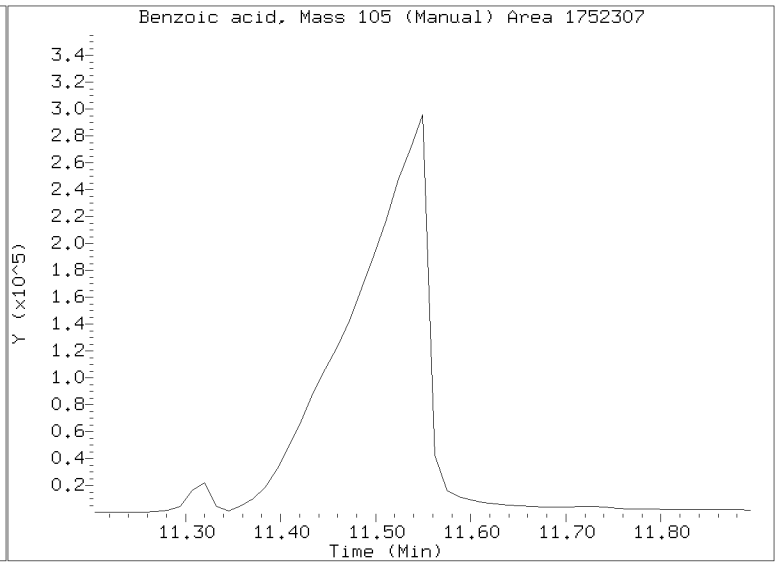
On Column LOD for nt17.i, ABN.m, ICAL.sub = 0.0000

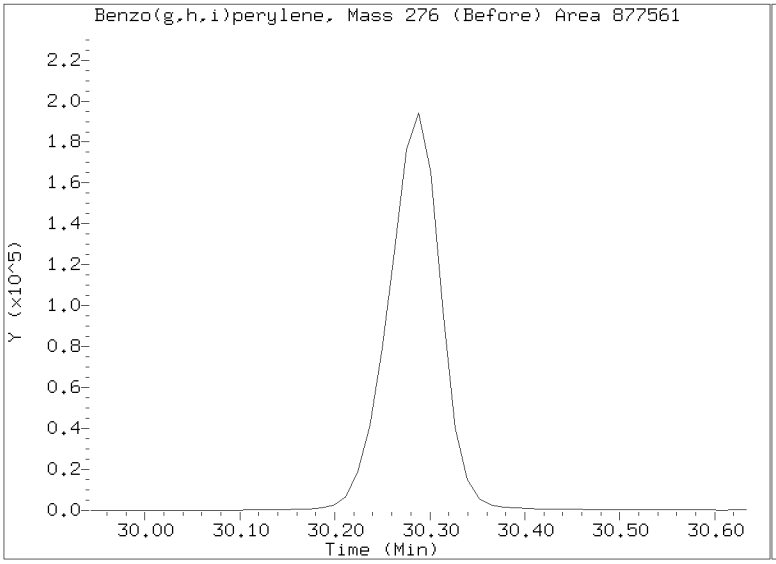
* Only compounds listed in the work order have been verified by the analyst *

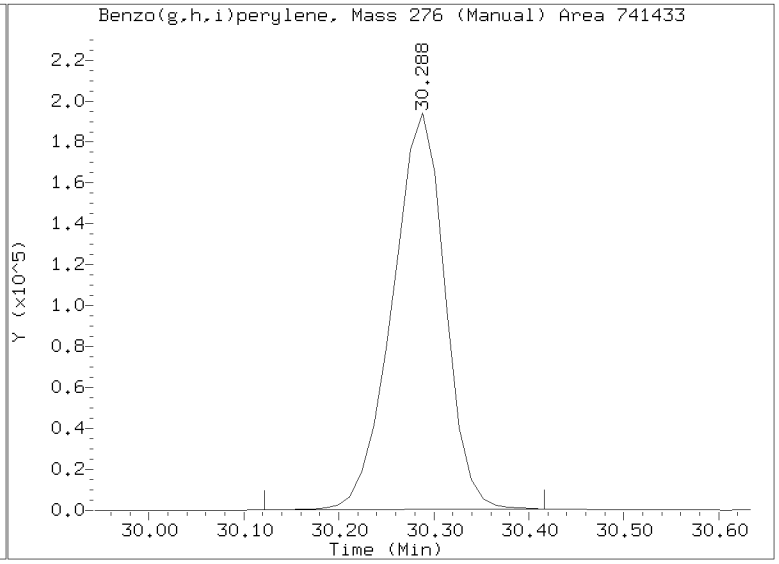
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230811.b/NT1708112302.D
Injection Date: 11-AUG-2023 12:50
Lab ID:SEQ-ICV1 Client ID:
Report Date: 08/17/2023 10:29









Q-FLAG SUMMARY FOR DATABATCH - \\target\share\chem3\nt17.i\20230811.b

Instrument: nt17.i Date: 11-AUG-2023 Method: ABN.m

INITIAL CAL: 10-AUG-2023

Compound	%RSD or R^2
NO Q-FLAGS	

ICV CAL: NT1708112302.D 11-AUG-2023 12:50

Compound	%D
Benzidine	-24.7

Analytical Resources, LLC
Analytical Chemists and Consultants

SECOND-SOURCE
CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Instrument ID:	NT17	Calibration:	GH00044
Lab File ID:	NT1708102312.D	Calibration Date:	08/10/2023
Sequence:	SLH0216	Injection Date:	08/10/23
Lab Sample ID:	SLH0216-SCV1	Injection Time:	18:45
Sequence Name:	SCV 5.0		

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Phenol	A	5.0000	5.4	2.6683440	2.8681680		7.5	+/-20
4-Methylphenol	A	5.0000	4.6	2.1569720	2.2767640		-7.2	+/-20
Naphthalene	A	5.0000	5.6	1.0879080	1.2275360		12.8	+/-20
2-Methylnaphthalene	A	5.0000	5.4	0.7532315	0.8090118		7.4	+/-20
Acenaphthylene	A	5.0000	5.8	2.0606670	2.3978290		16.4	+/-20
Dimethylphthalate	A	5.0000	5.7	1.3960150	1.5815630		13.3	+/-20
Acenaphthene	A	5.0000	5.8	1.2938380	1.4925700		15.4	+/-20
Dibenzofuran	A	5.0000	5.4	1.7573770	1.9005550		8.1	+/-20
Fluorene	A	5.0000	5.6	1.4066720	1.5655960		11.3	+/-20
Phenanthrene	A	5.0000	5.5	1.1562710	1.2682730		9.7	+/-20
Anthracene	A	5.0000	5.2	1.0370310	1.0768100		3.8	+/-20
Fluoranthene	A	5.0000	6.1	1.6375210	2.0110910		22.8	+/-20
Pyrene	A	5.0000	5.9	1.7108040	2.0093820		17.5	+/-20
Butylbenzylphthalate	A	5.0000	5.3	0.9323885	1.2570270		6.9	+/-20
Benzo(a)anthracene	A	5.0000	5.4	1.5389820	1.6571880		7.7	+/-20
Chrysene	A	5.0000	5.6	1.3179730	1.4647070		11.1	+/-20
bis(2-Ethylhexyl)phthalate	A	5.0000	5.6	0.5927176	0.7321519		11.2	+/-20
Benzofluoranthenes, Total	A	10.000	11.1	1.3655470	1.5219660		11.5	+/-20
Benzo(a)pyrene	A	5.0000	5.2	1.0775790	1.3893610		4.0	+/-20
Indeno(1,2,3-cd)pyrene	A	5.0000	4.8	1.3421580	1.5576330		-4.7	+/-20
Dibenzo(a,h)anthracene	A	5.0000	4.6	1.1755640	1.3063480		-8.9	+/-20
Benzo(g,h,i)perylene	A	5.0000	5.6	1.1204920	1.2473970		11.3	+/-20

* Values outside of QC limits

Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

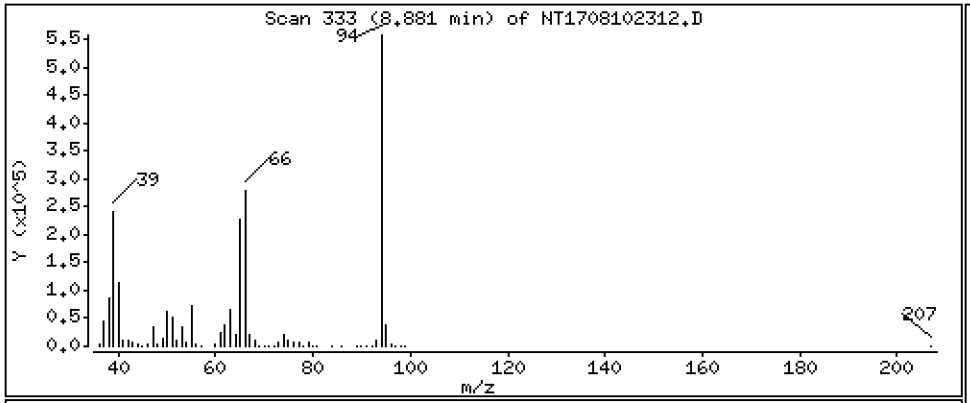
Operator: JGR

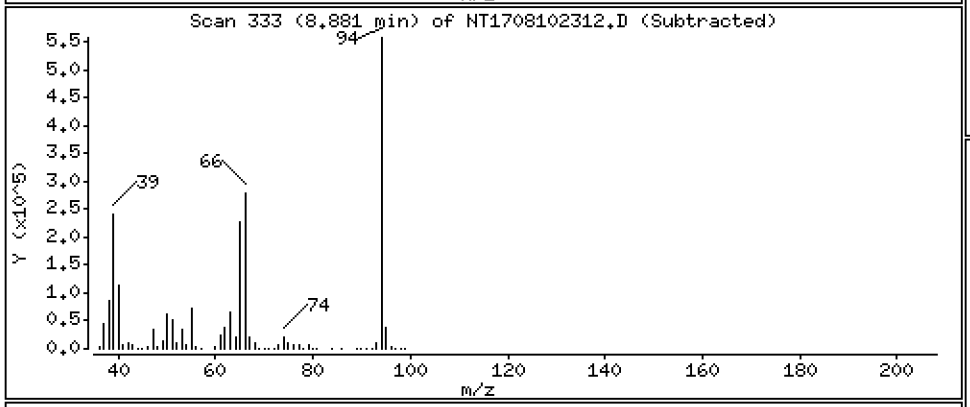
Column phase: ZB-5msi

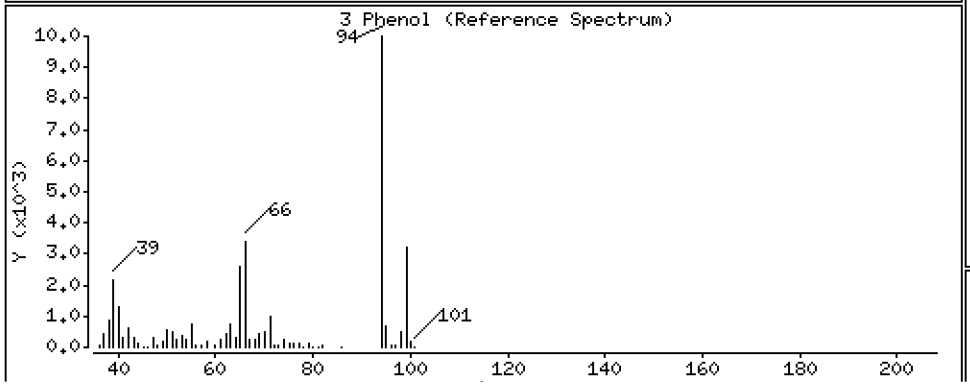
Column diameter: 0.25

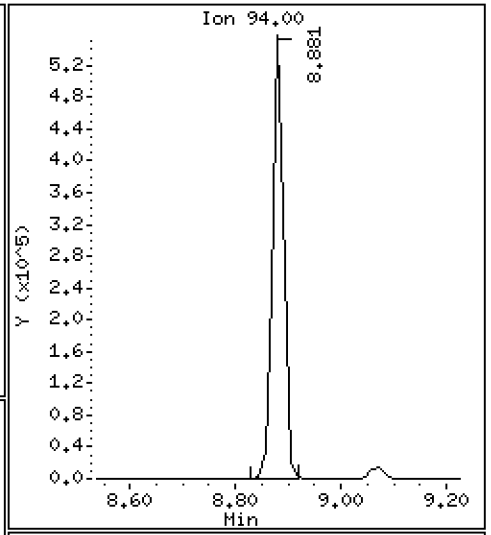
3 Phenol

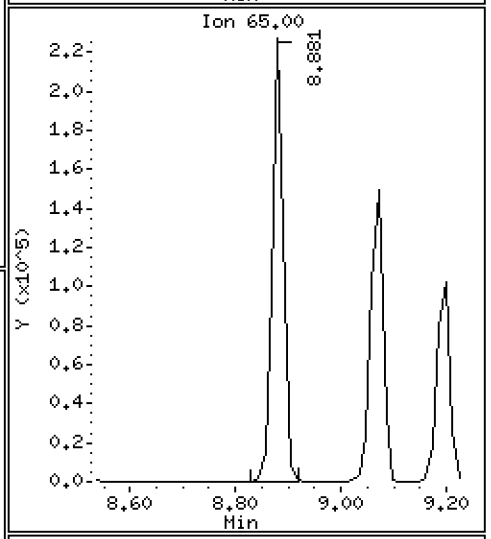
Concentration: 5.374 ug/mL

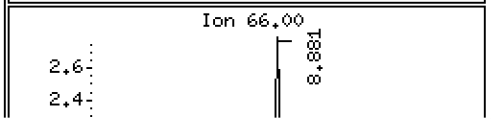












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

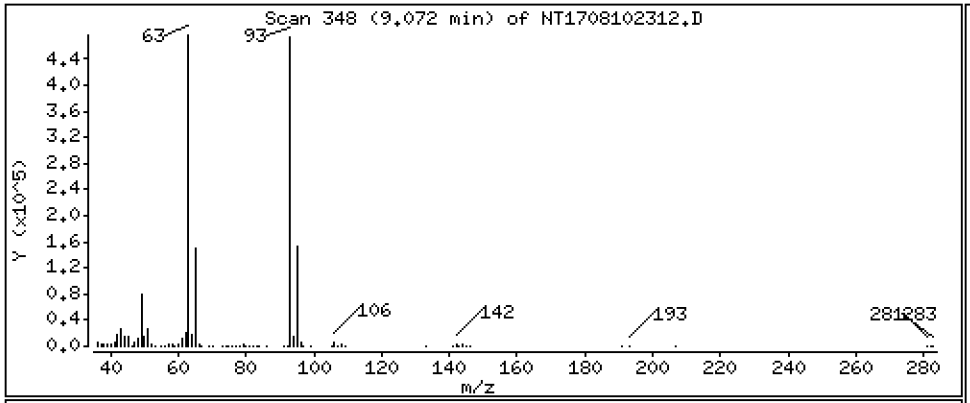
Operator: JGR

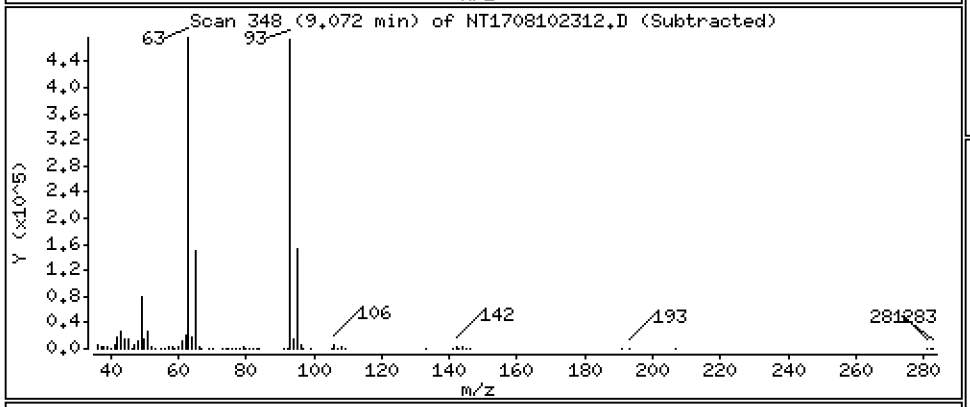
Column phase: ZB-5msi

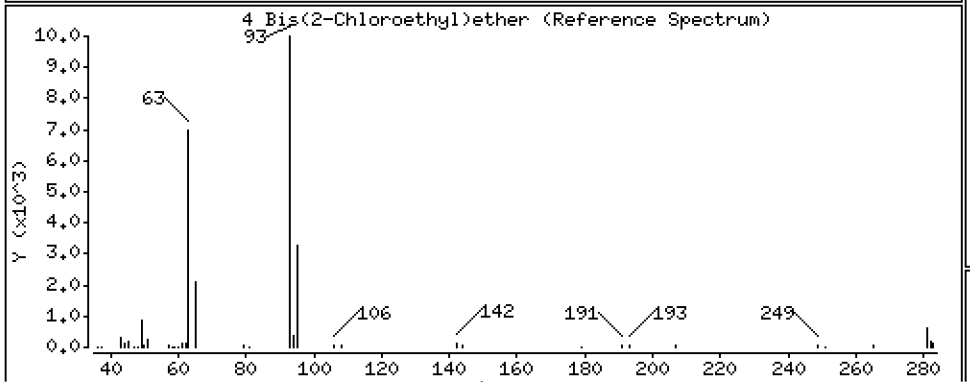
Column diameter: 0.25

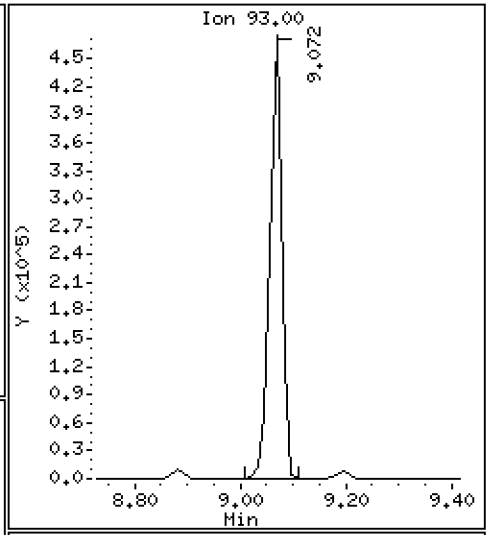
4 Bis(2-Chloroethyl)ether

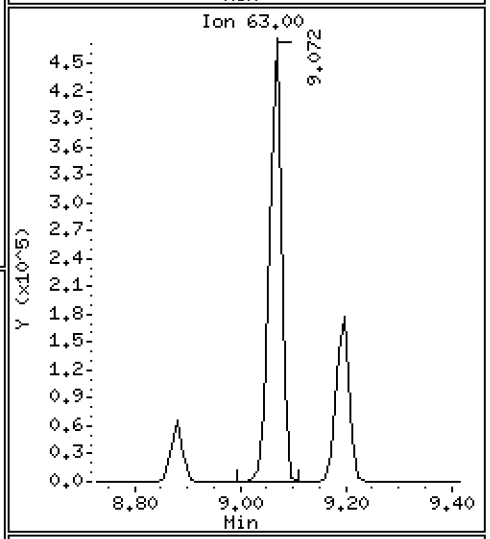
Concentration: 5.807 ug/mL

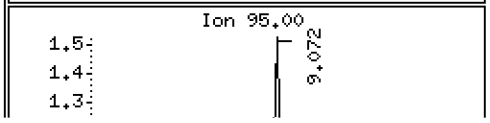












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

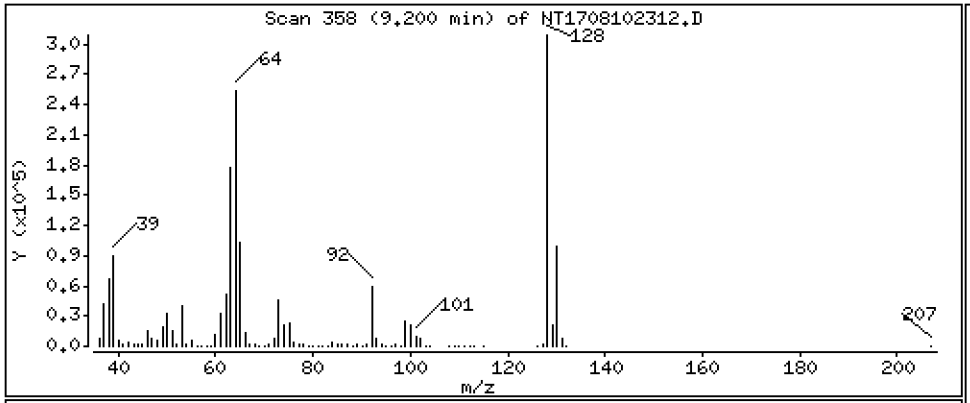
Operator: JGR

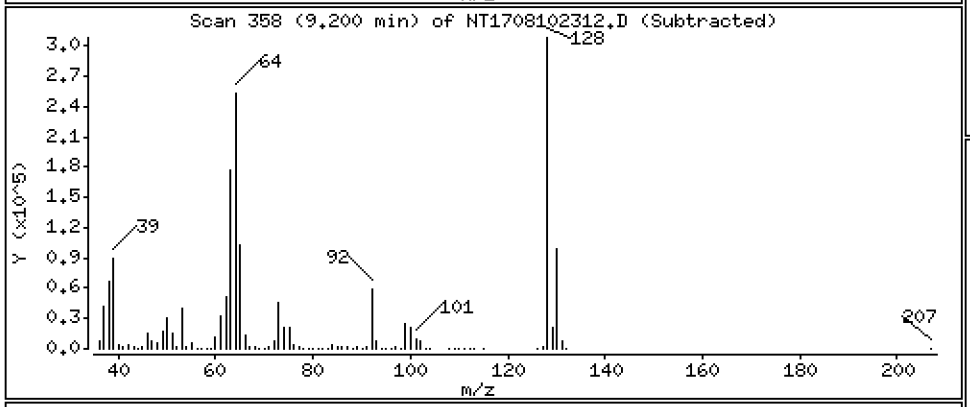
Column phase: ZB-5msi

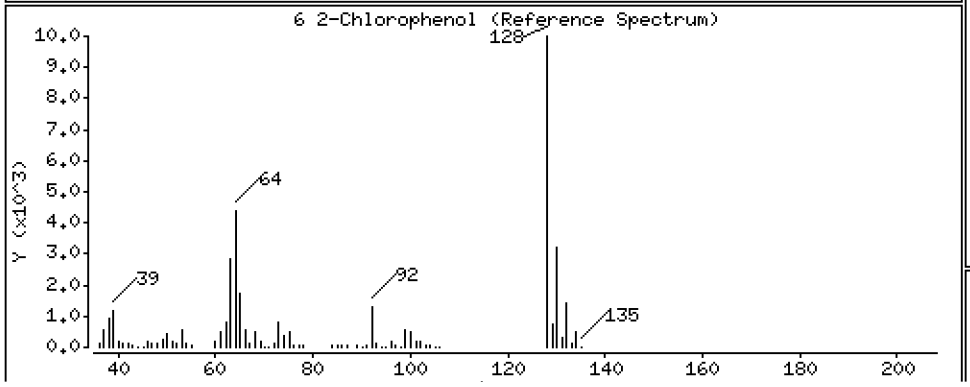
Column diameter: 0.25

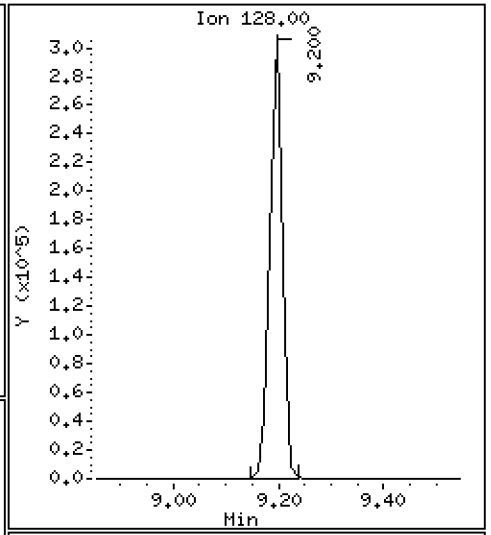
6 2-Chlorophenol

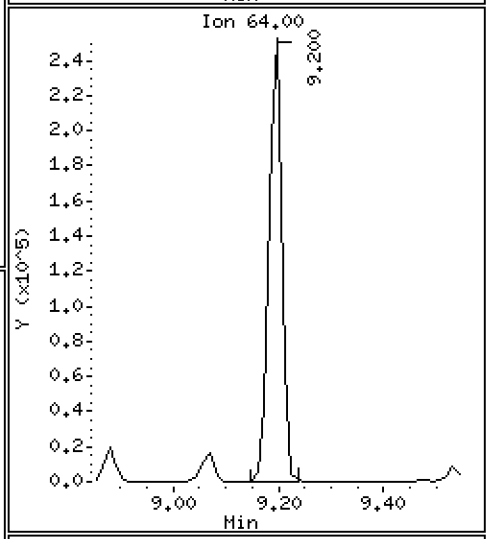
Concentration: 5.349 ug/mL

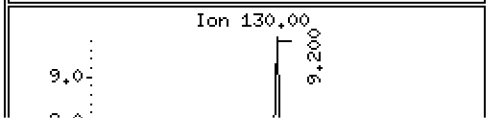












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

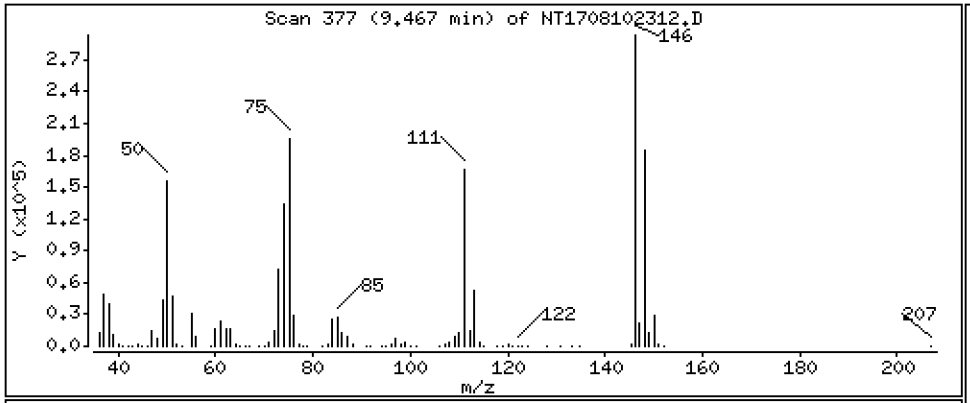
Operator: JGR

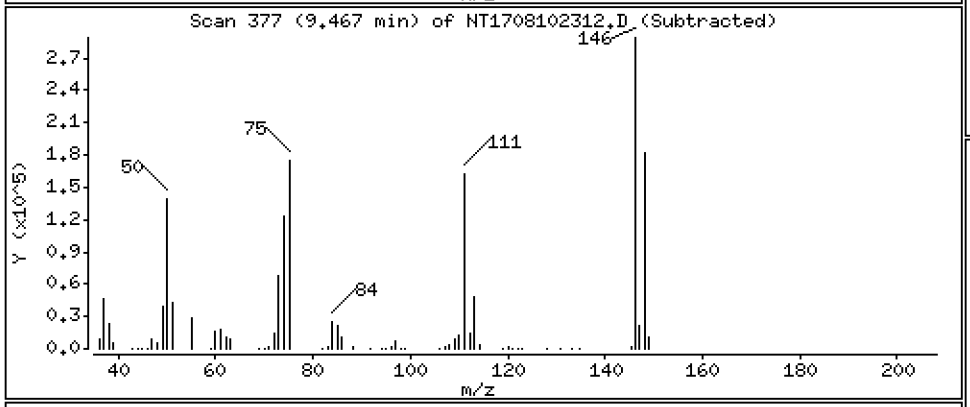
Column phase: ZB-5msi

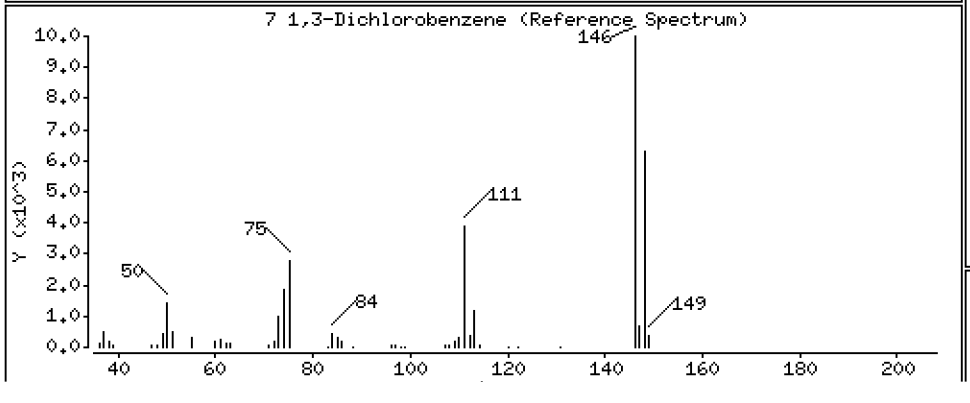
Column diameter: 0.25

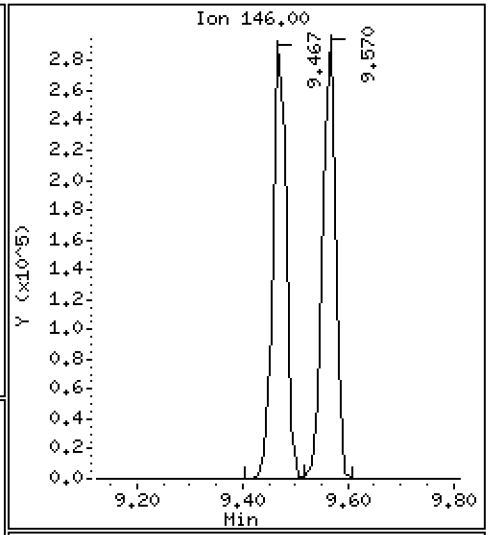
7 1,3-Dichlorobenzene

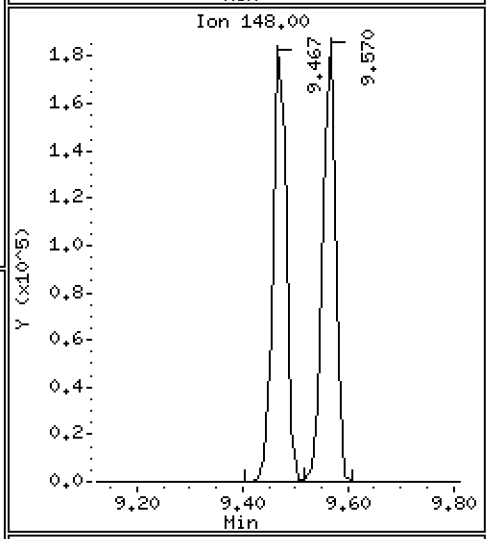
Concentration: 5.185 ug/mL

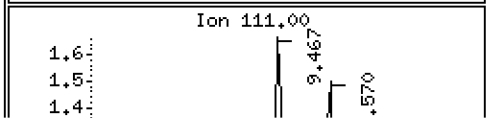












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

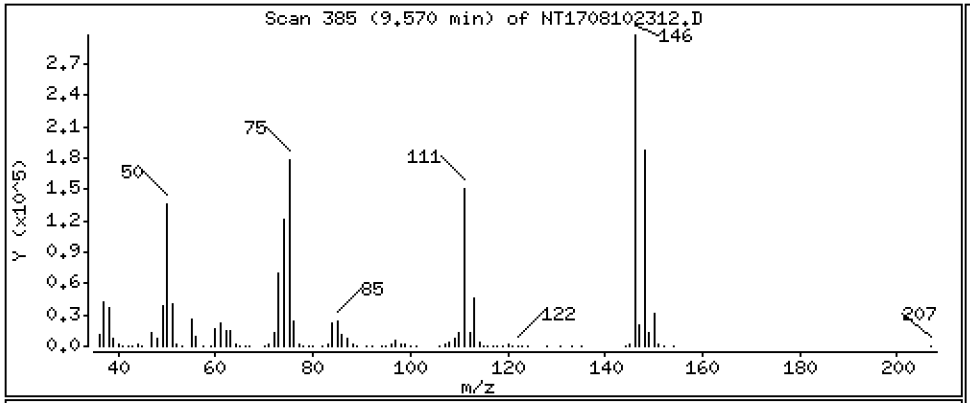
Operator: JGR

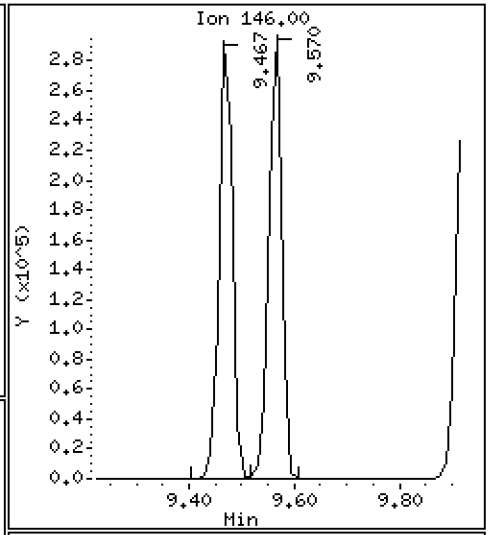
Column phase: ZB-5msi

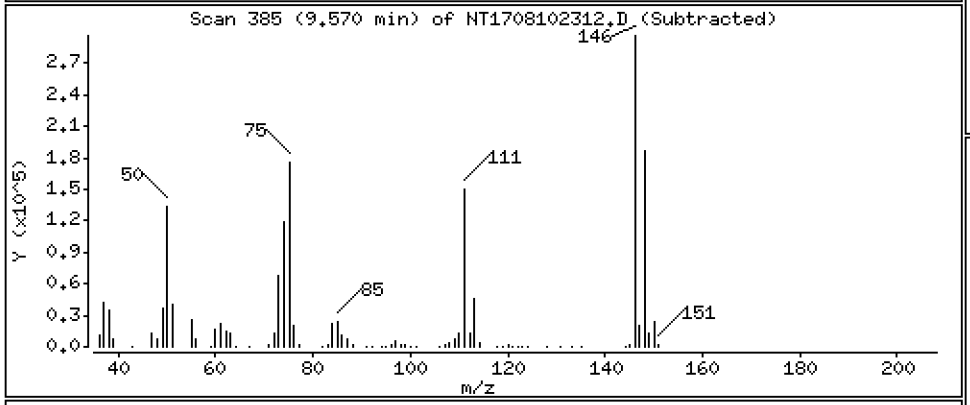
Column diameter: 0.25

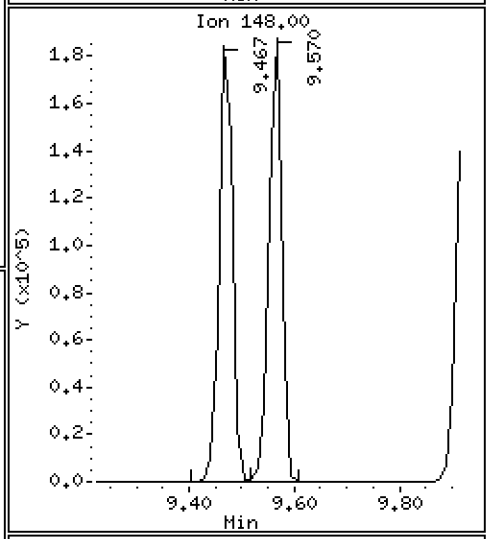
9 1,4-Dichlorobenzene

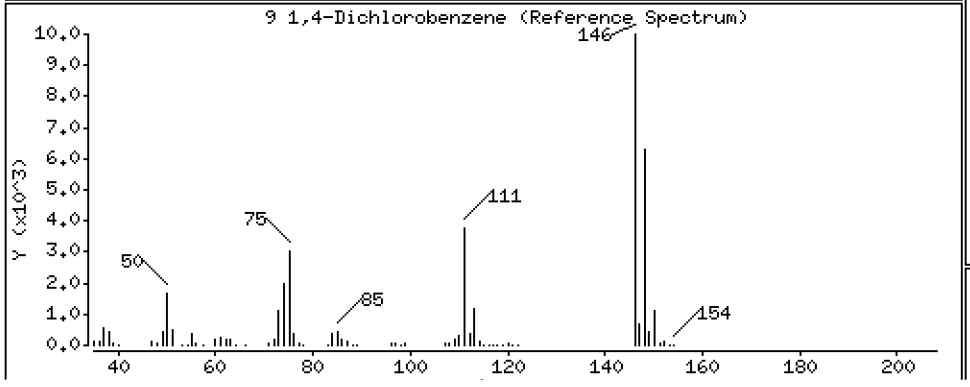
Concentration: 5.266 ug/mL

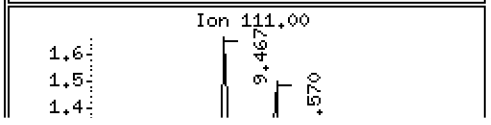












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

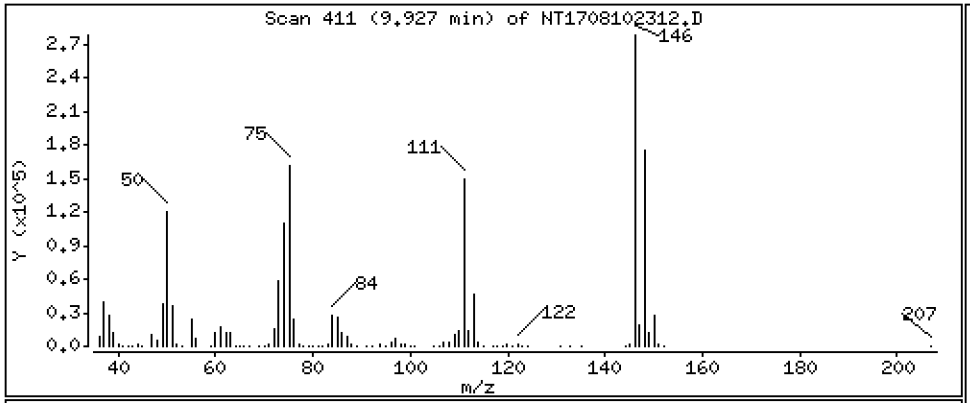
Operator: JGR

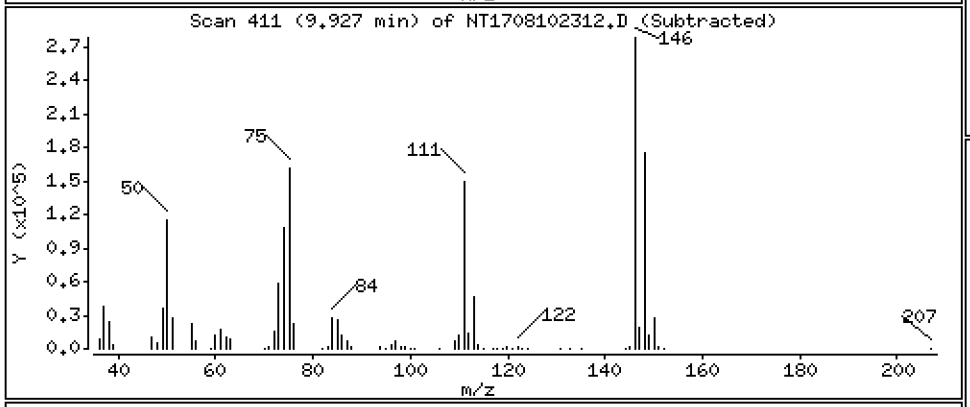
Column phase: ZB-5msi

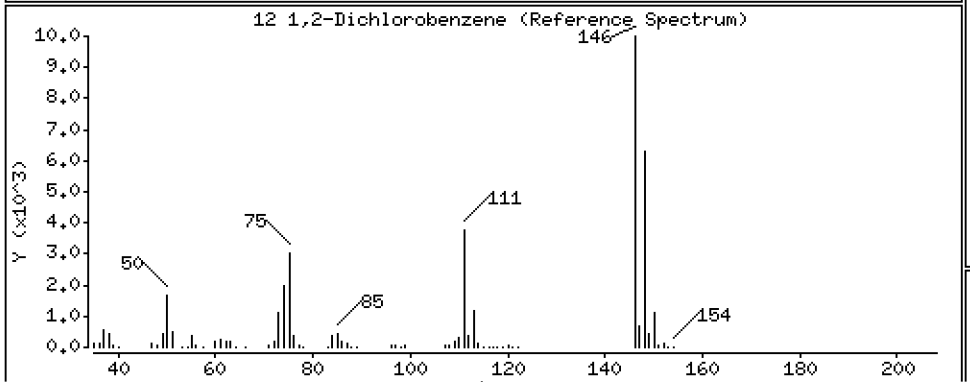
Column diameter: 0.25

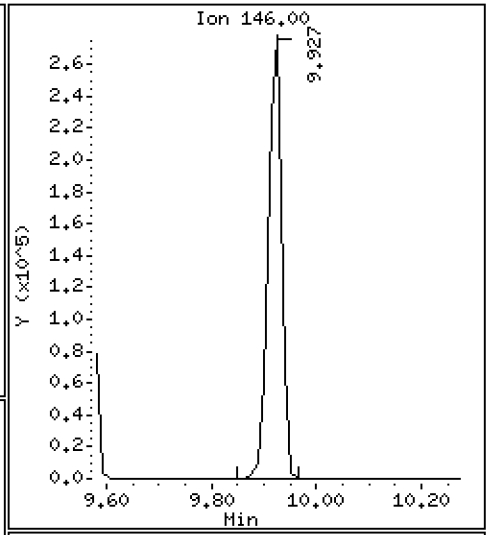
12 1,2-Dichlorobenzene

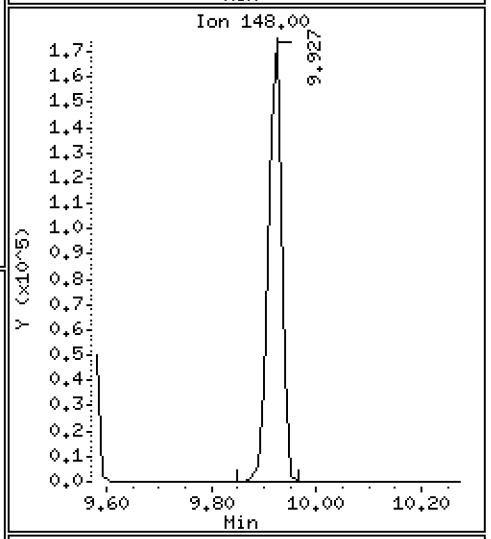
Concentration: 5.228 ug/mL

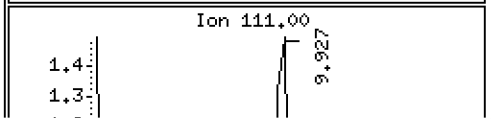












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

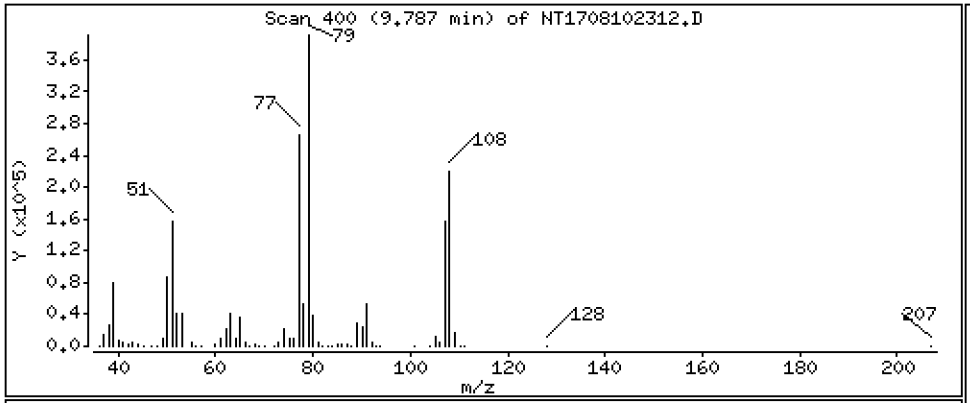
Operator: JGR

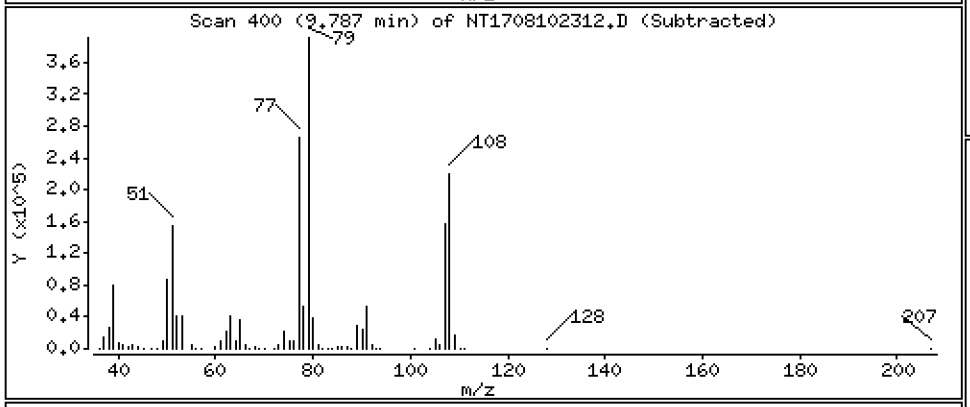
Column phase: ZB-5msi

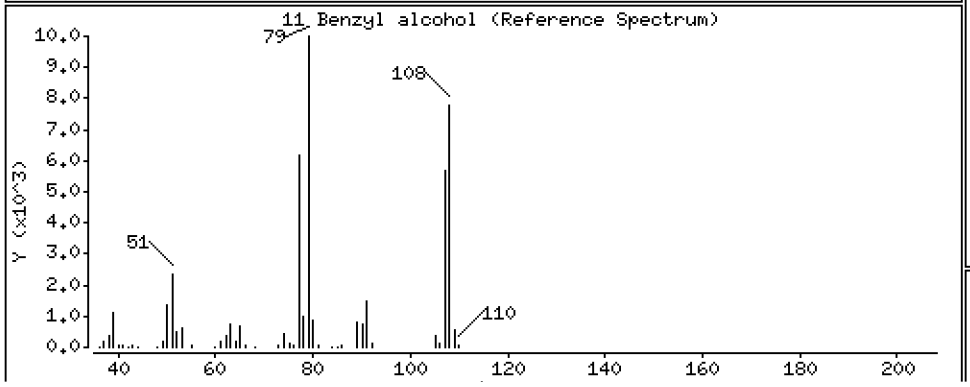
Column diameter: 0.25

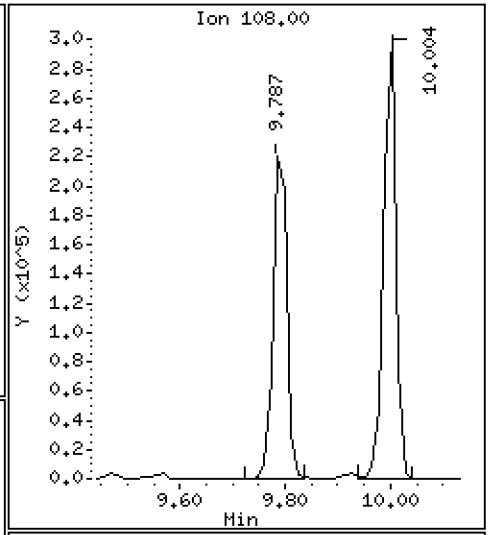
11 Benzyl alcohol

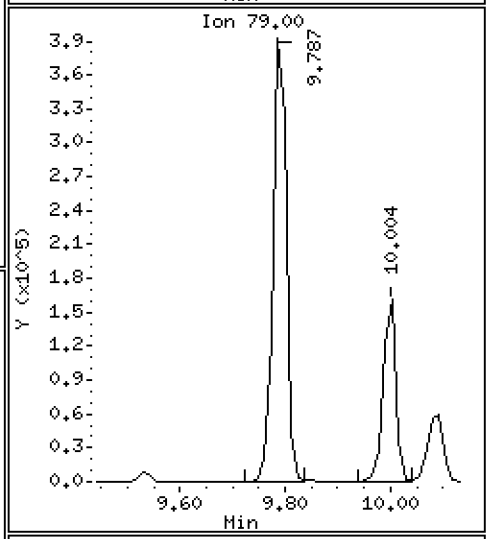
Concentration: 5.672 ug/mL

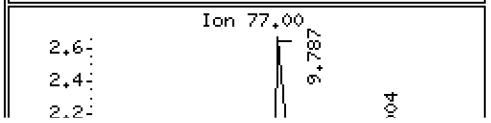












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

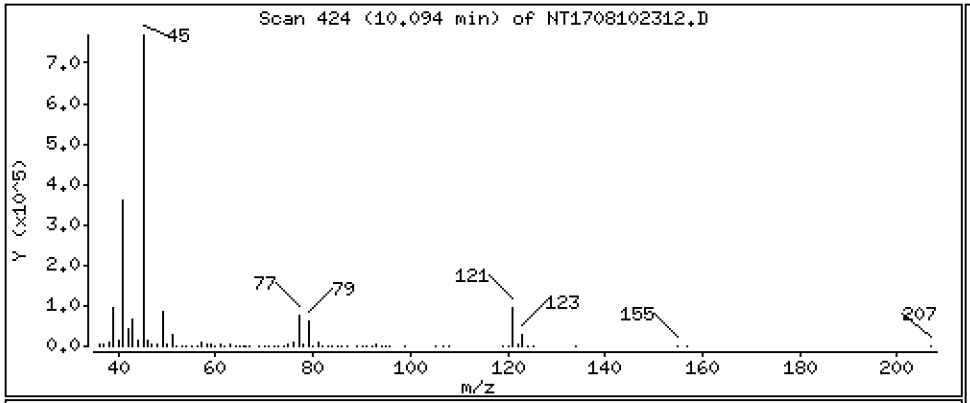
Operator: JGR

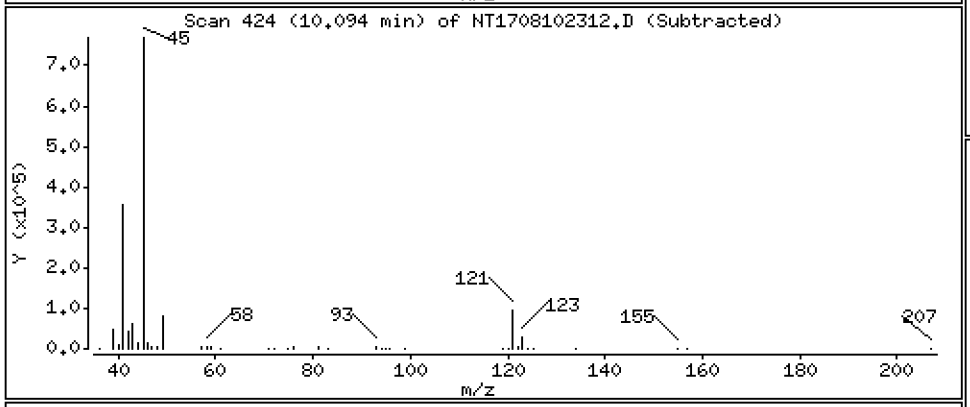
Column phase: ZB-5msi

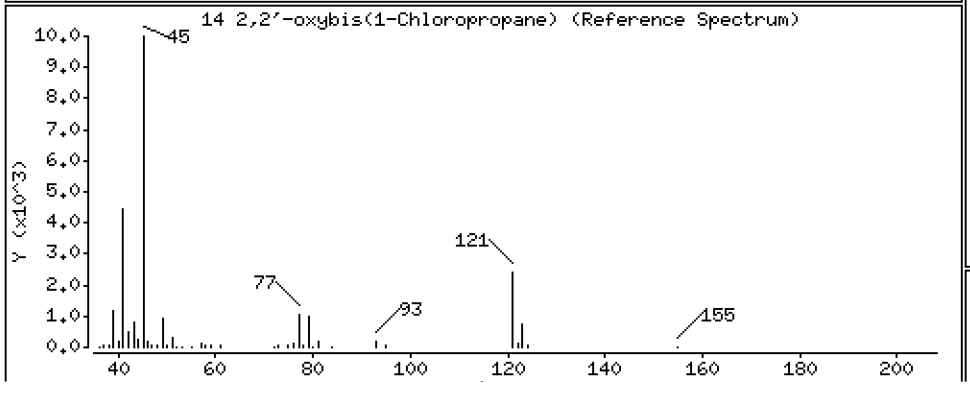
Column diameter: 0.25

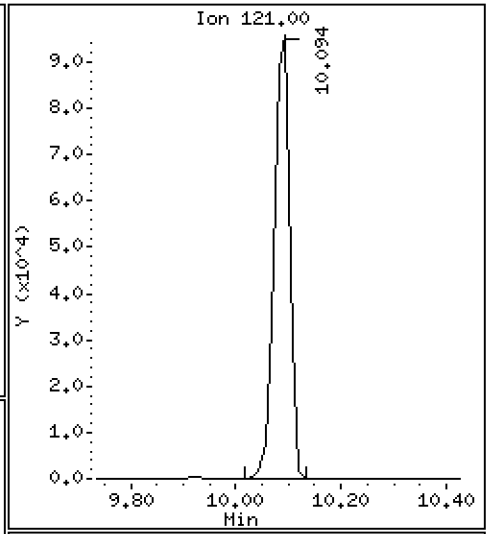
14 2,2'-oxybis(1-Chloropropane)

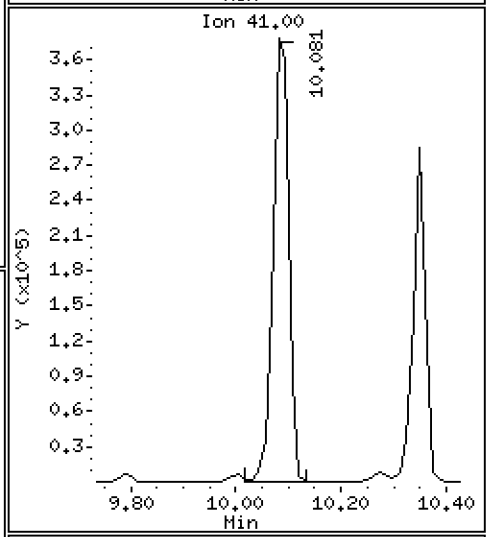
Concentration: 6.241 ug/mL

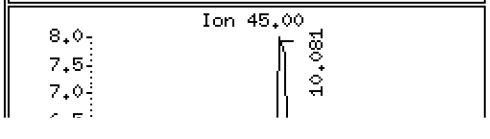












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

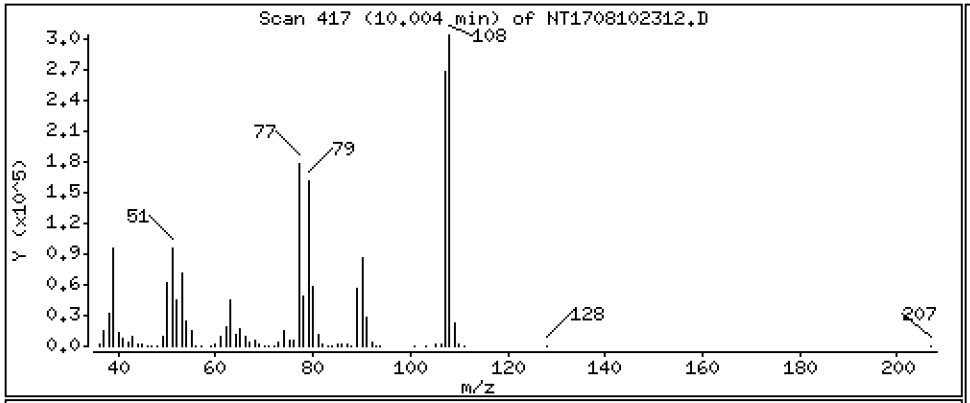
Operator: JGR

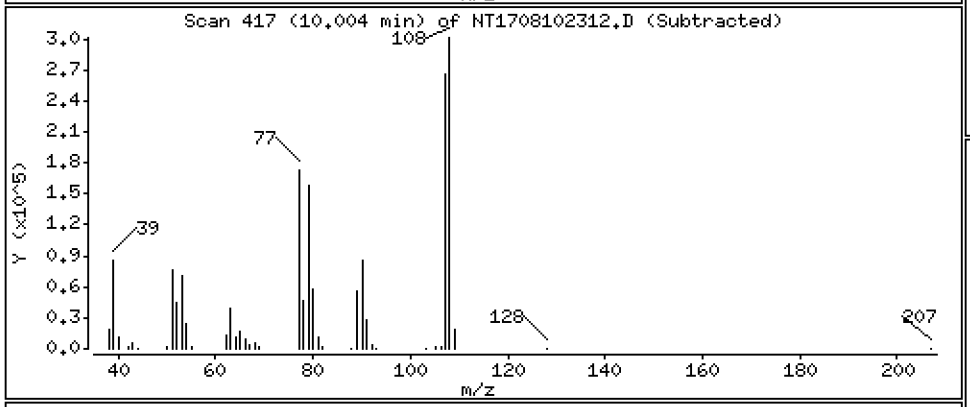
Column phase: ZB-5msi

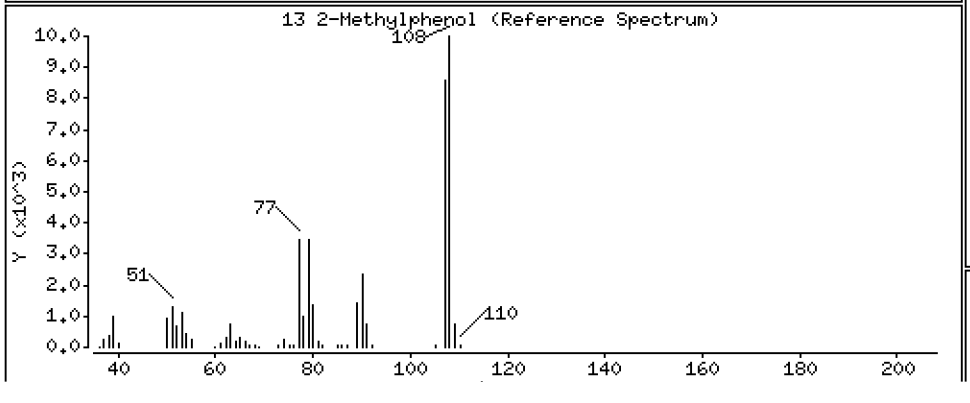
Column diameter: 0.25

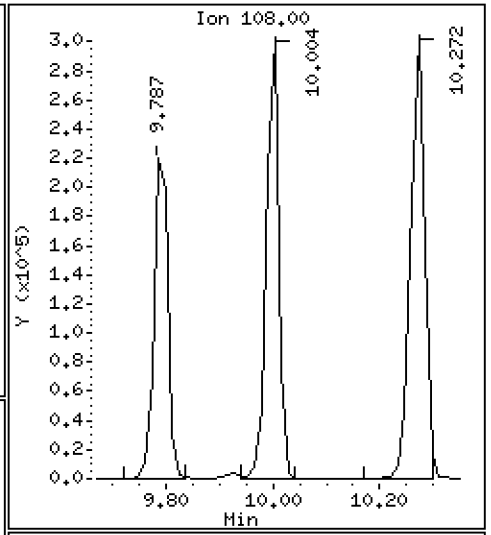
13 2-Methylphenol

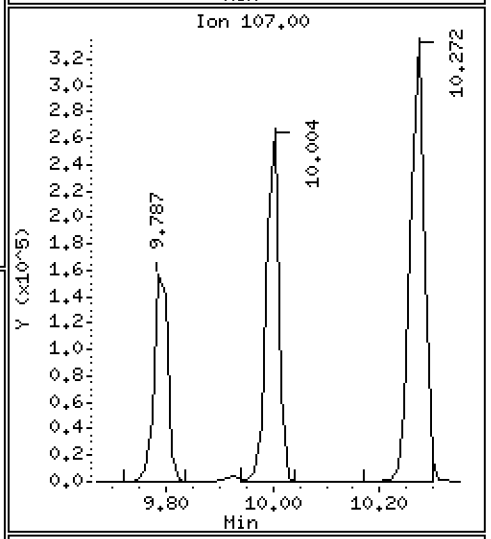
Concentration: 4.793 ug/mL

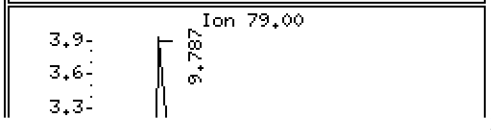












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

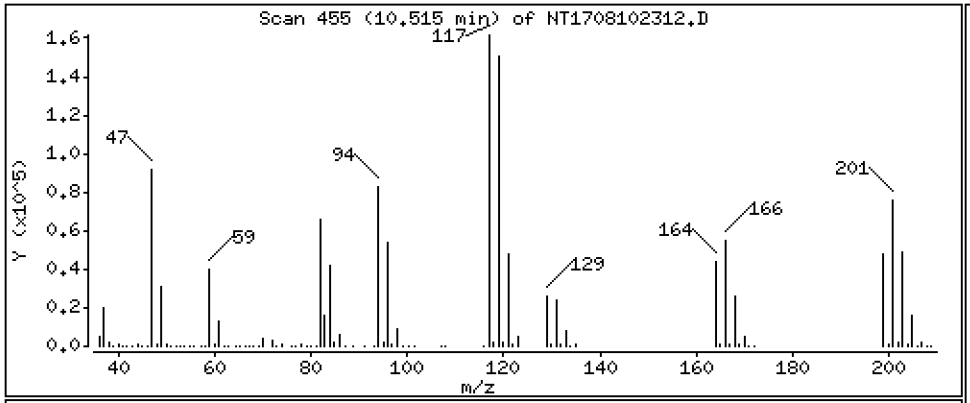
Operator: JGR

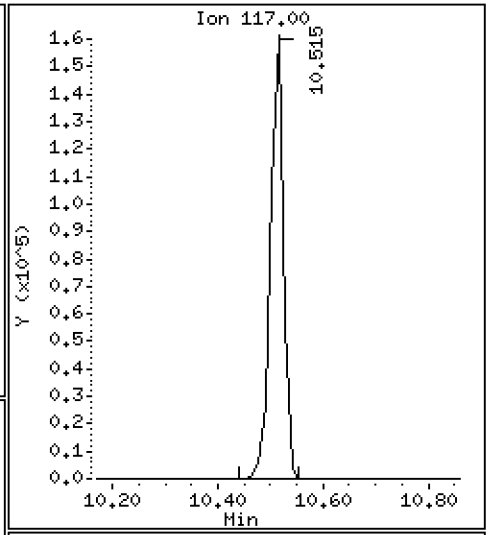
Column phase: ZB-5msi

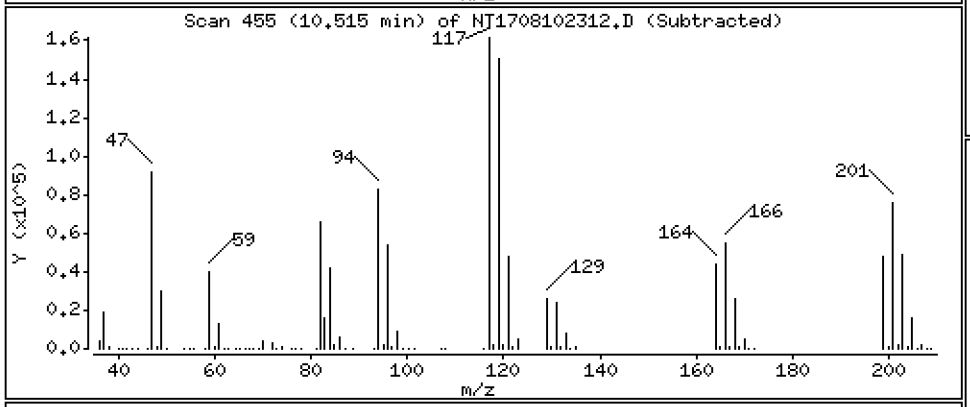
Column diameter: 0.25

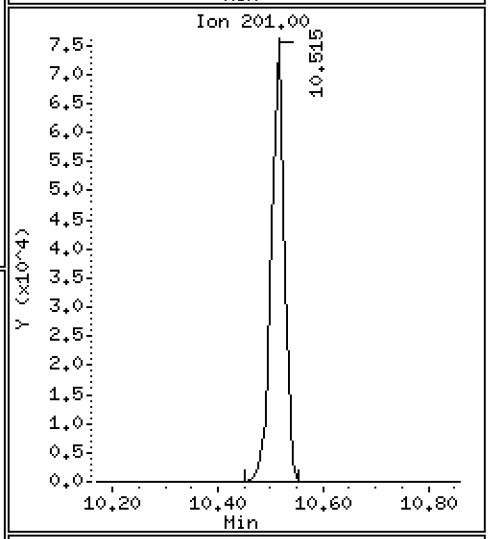
17 Hexachloroethane

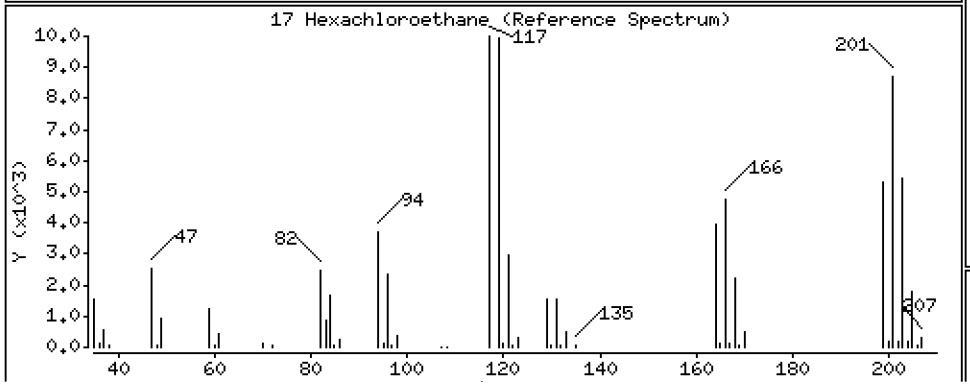
Concentration: 5.526 ug/mL

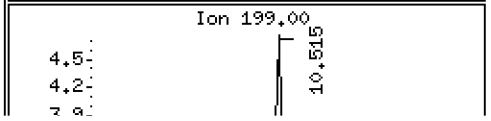












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

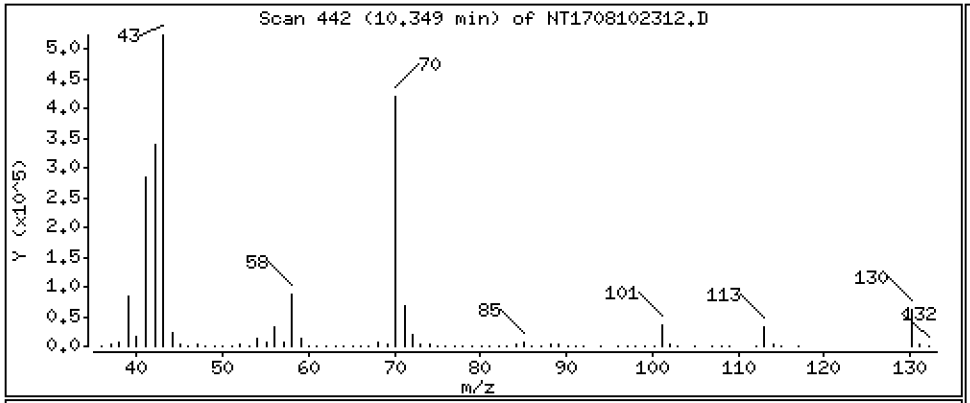
Operator: JGR

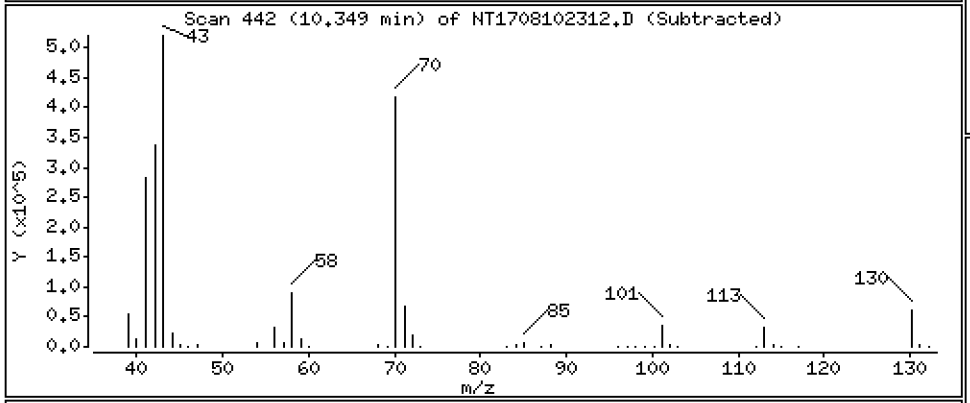
Column phase: ZB-5msi

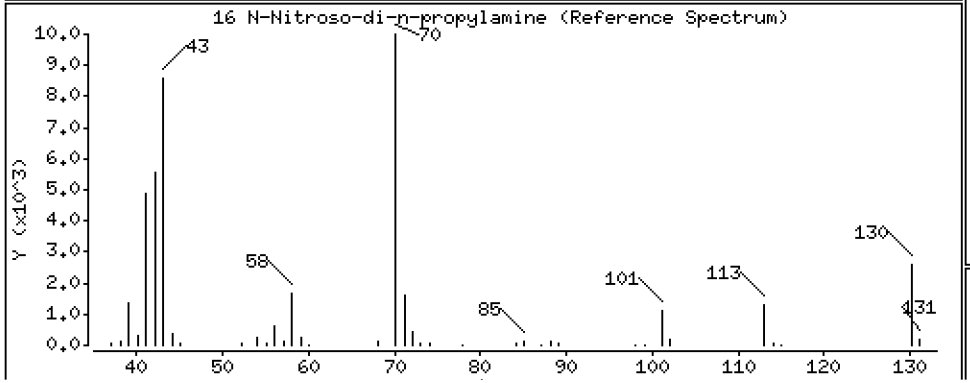
Column diameter: 0.25

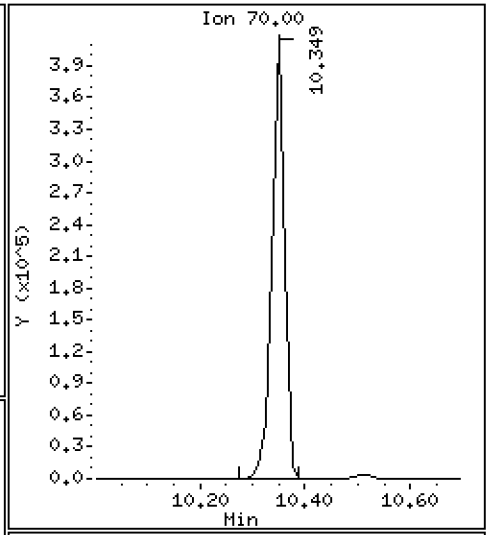
16 N-Nitroso-di-n-propylamine

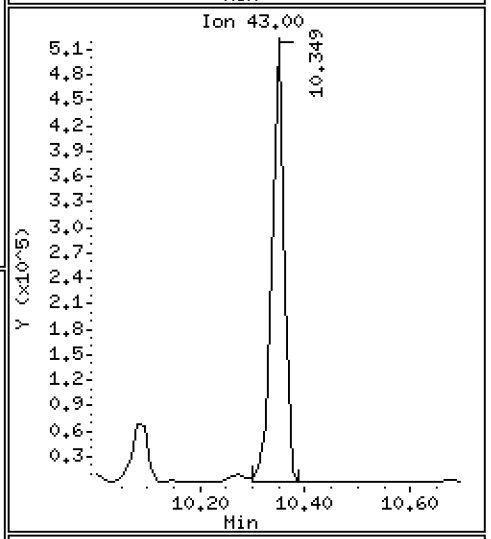
Concentration: 5.812 ug/mL

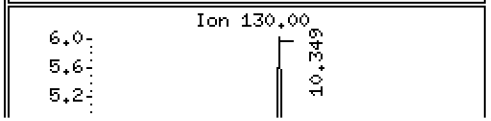












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

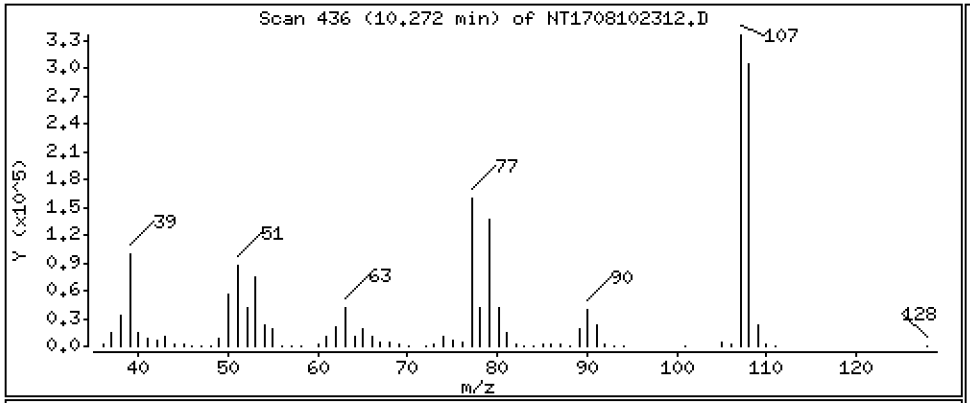
Operator: JGR

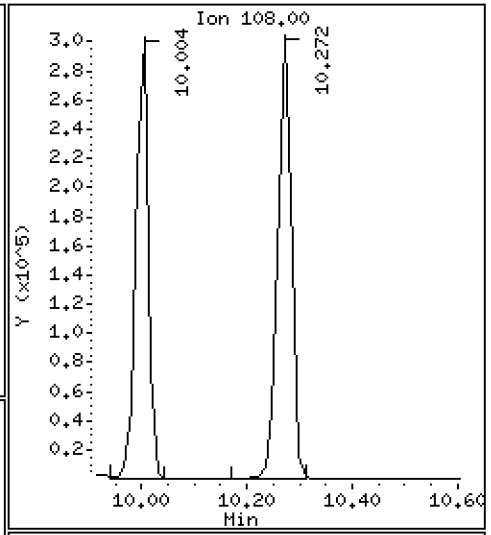
Column phase: ZB-5msi

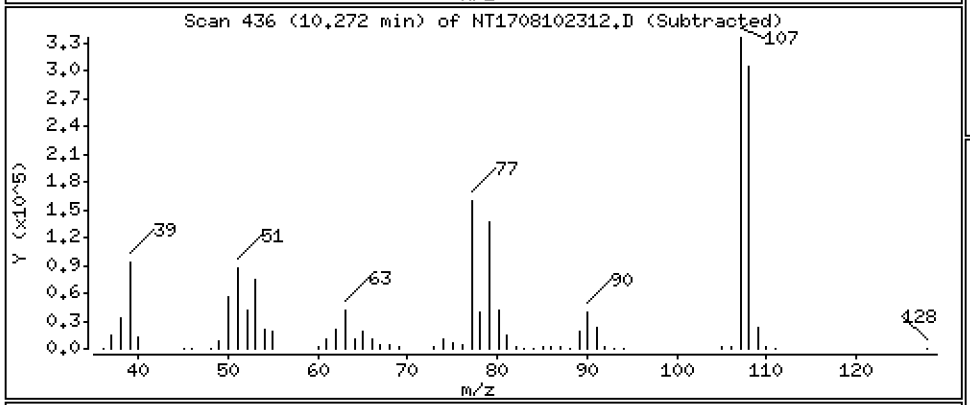
Column diameter: 0.25

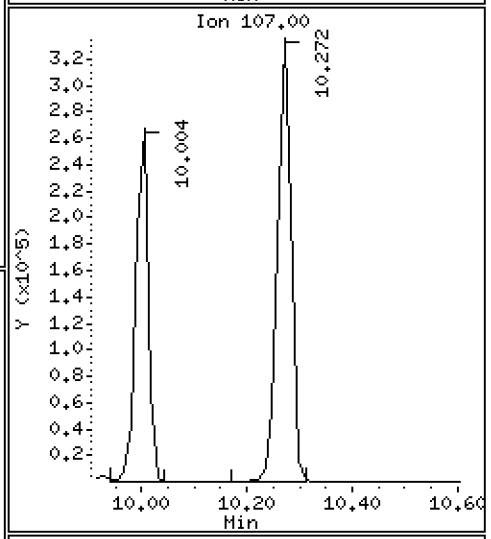
15 4-Methylphenol

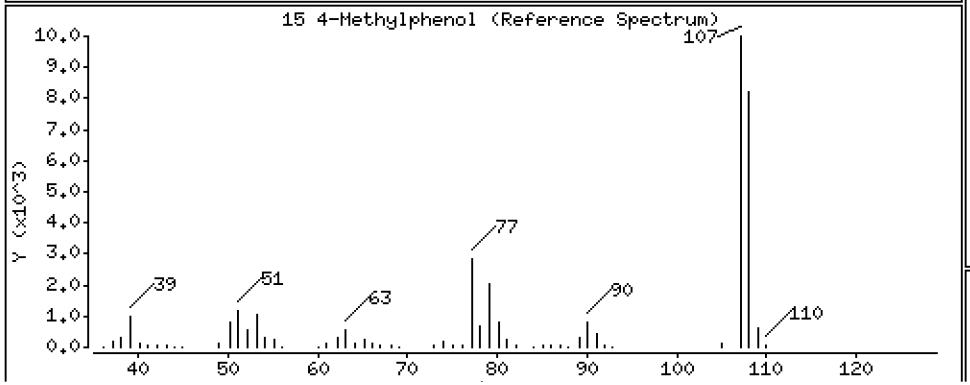
Concentration: 4.638 ug/mL

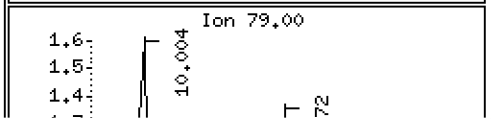












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

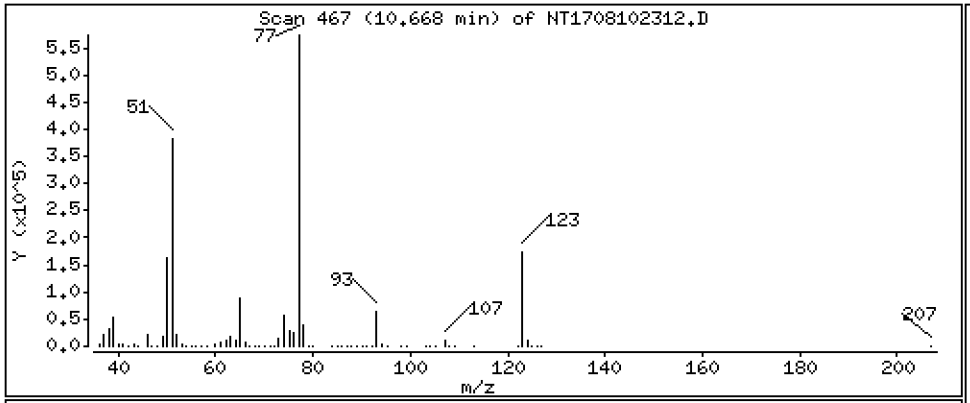
Operator: JGR

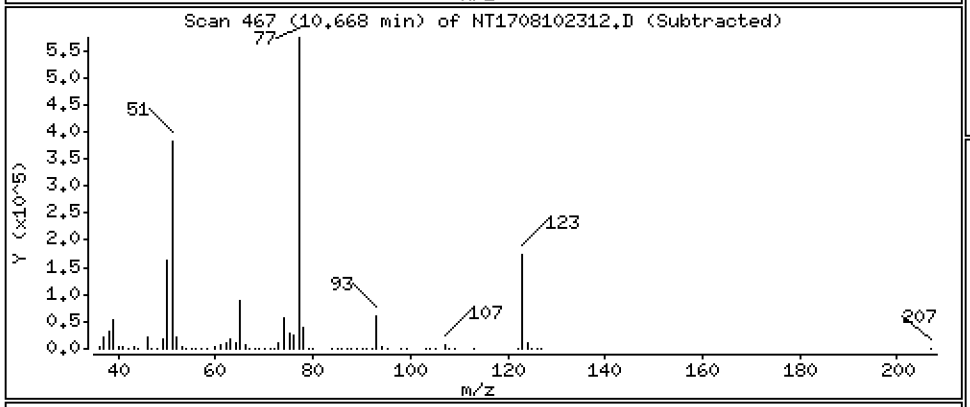
Column phase: ZB-5msi

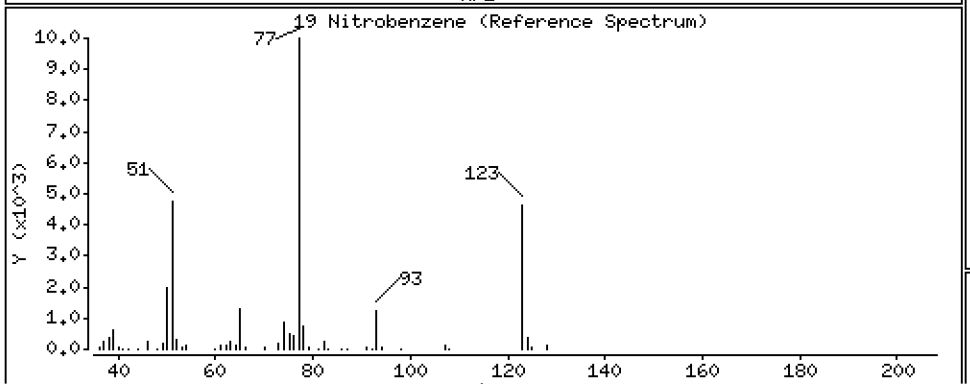
Column diameter: 0.25

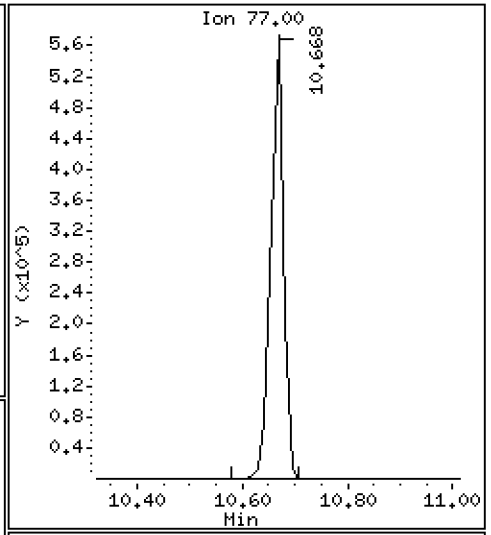
19 Nitrobenzene

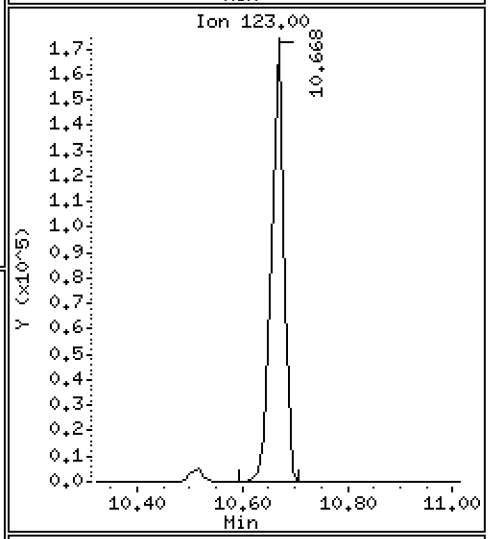
Concentration: 5.529 ug/mL

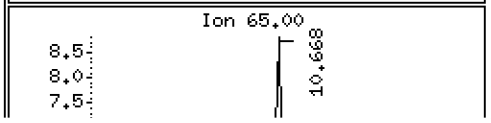












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

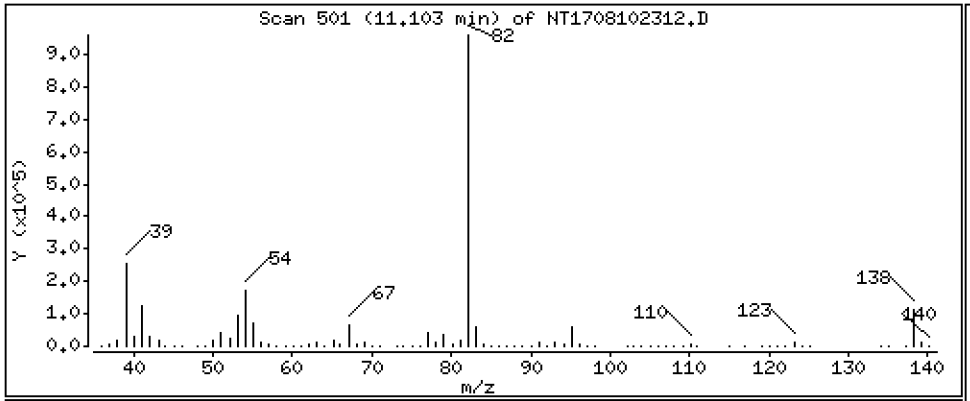
Operator: JGR

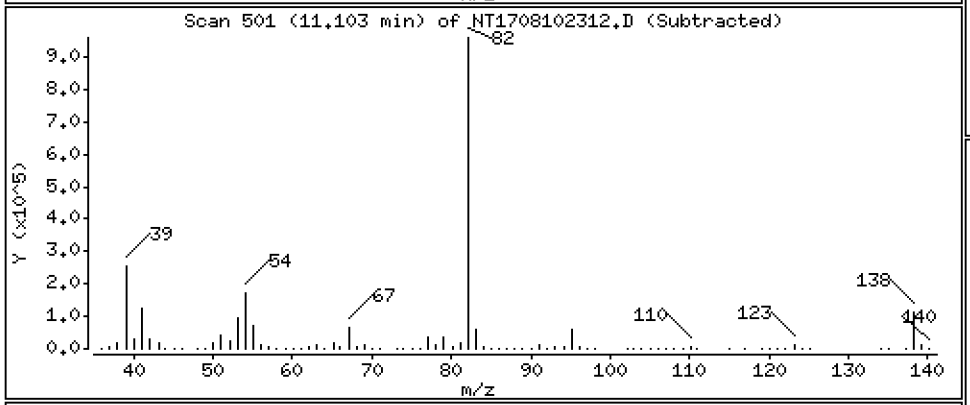
Column phase: ZB-5msi

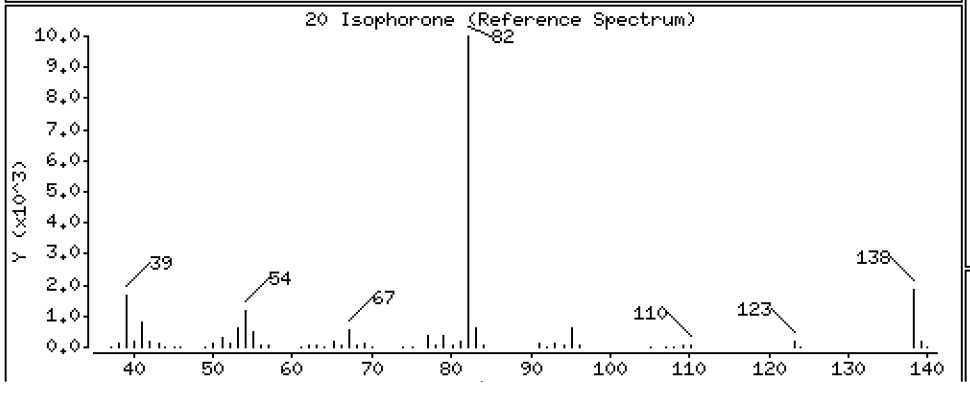
Column diameter: 0.25

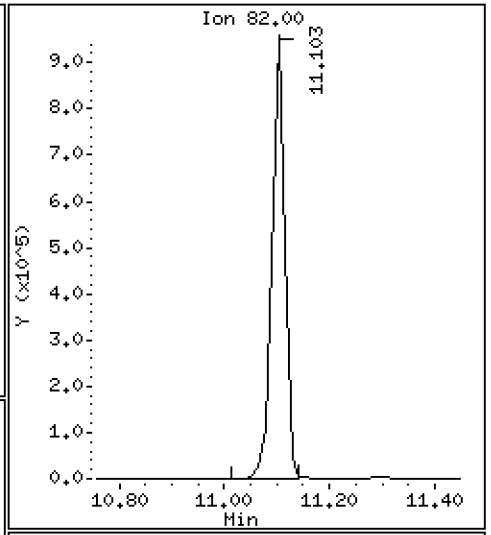
20 Isophorone

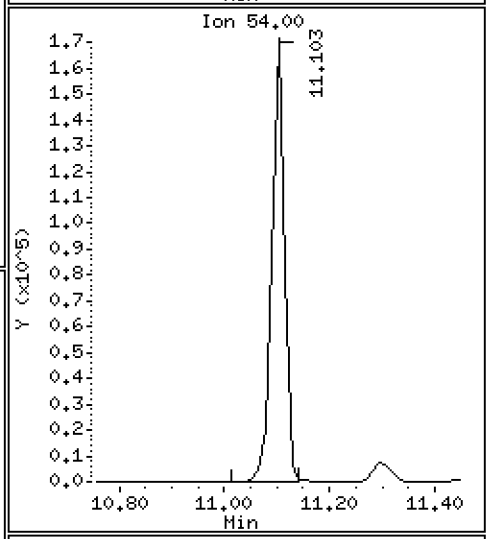
Concentration: 6.314 ug/mL

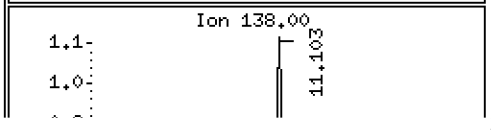












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

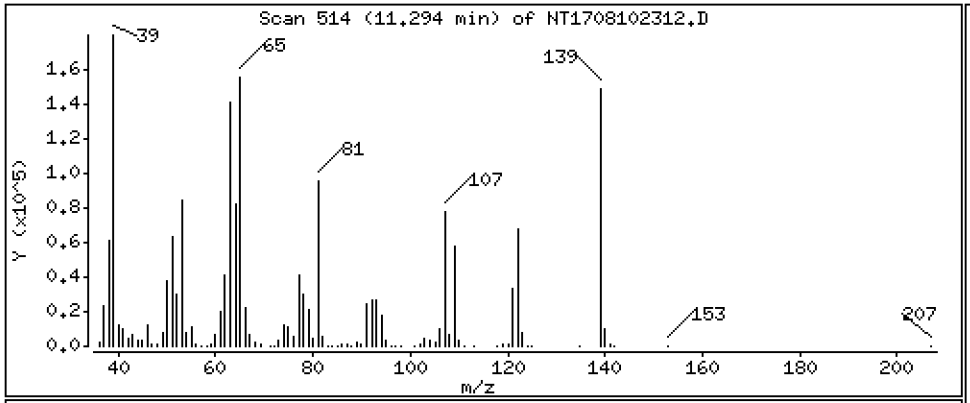
Operator: JGR

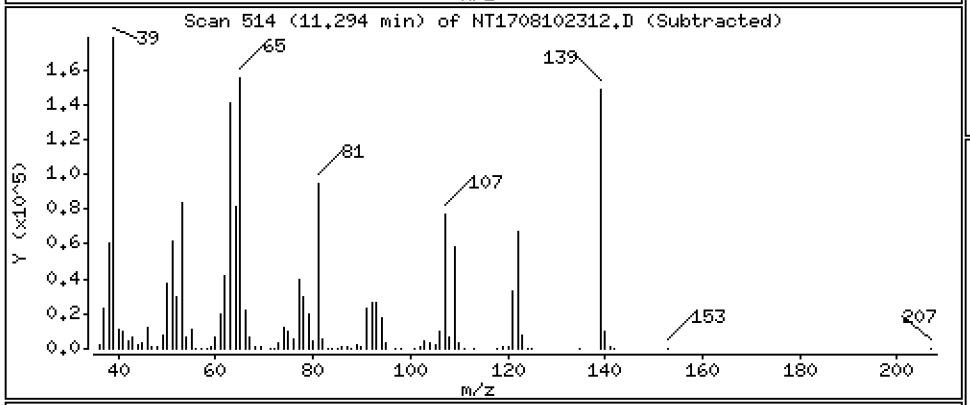
Column phase: ZB-5msi

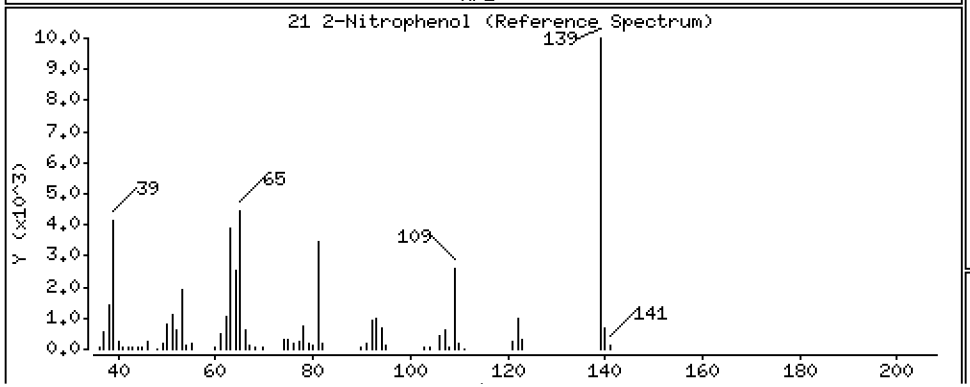
Column diameter: 0.25

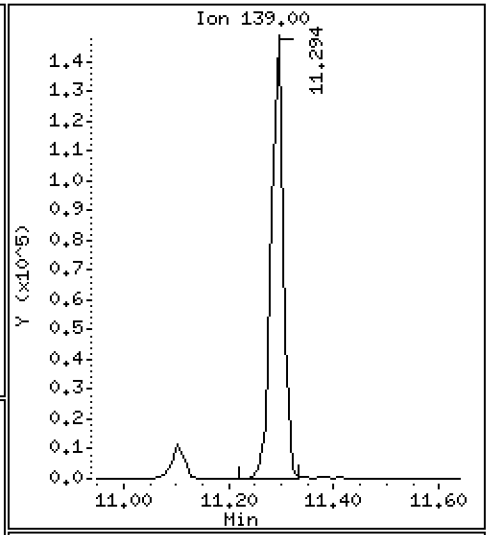
21 2-Nitrophenol

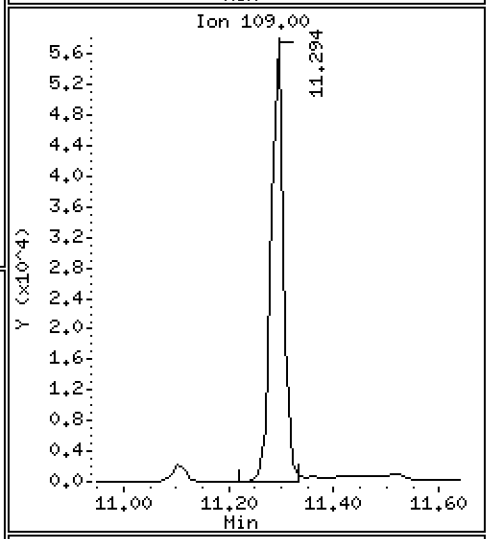
Concentration: 4.753 ug/mL

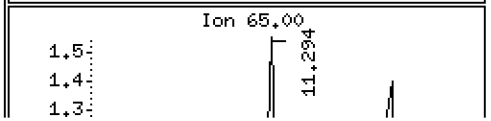












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

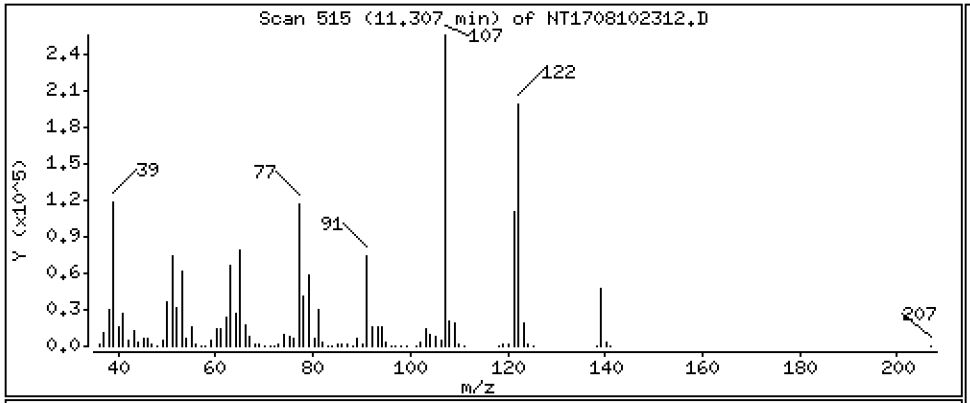
Operator: JGR

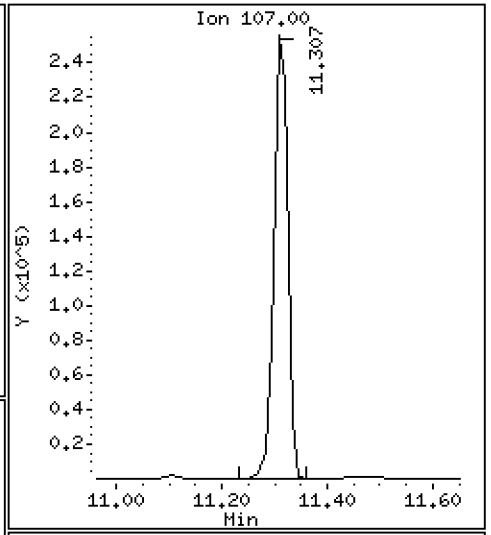
Column phase: ZB-5msi

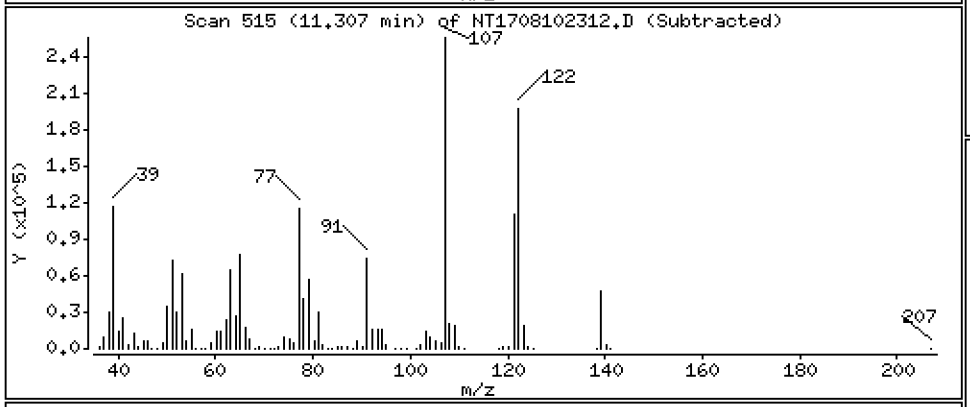
Column diameter: 0.25

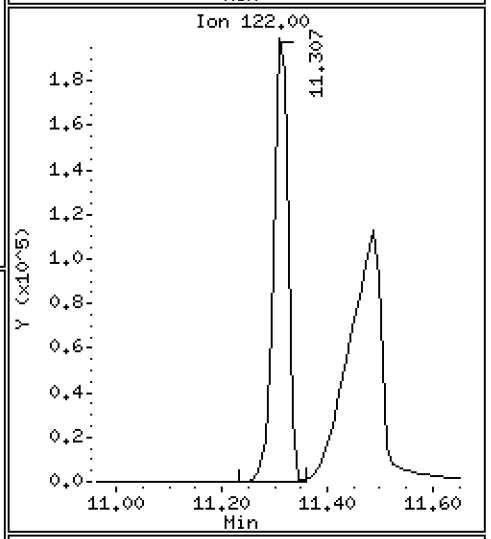
22 2,4-Dimethylphenol

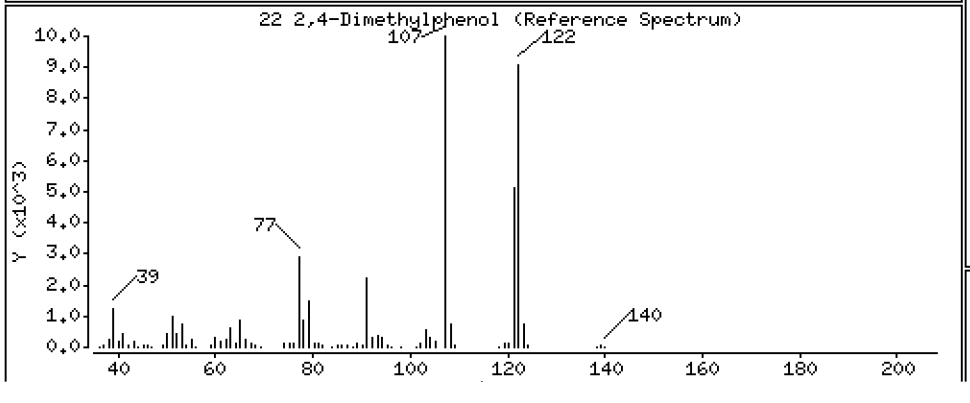
Concentration: 4.123 ug/mL

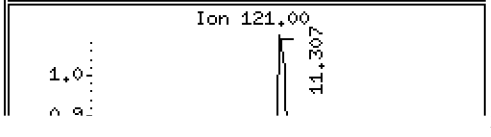












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

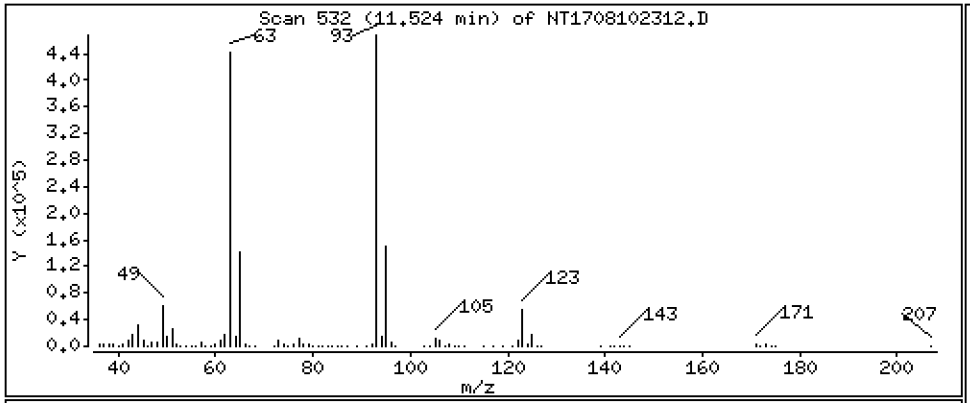
Operator: JGR

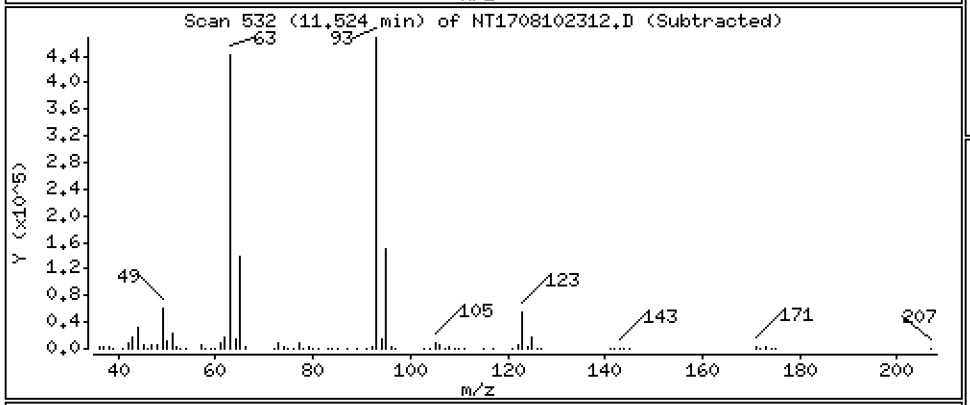
Column phase: ZB-5msi

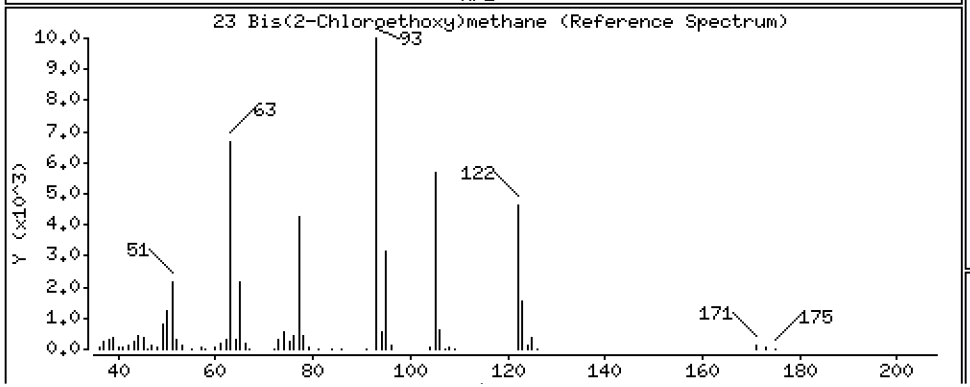
Column diameter: 0.25

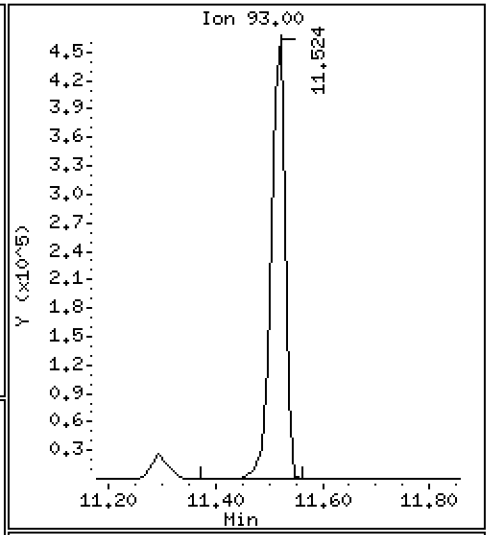
23 Bis(2-Chloroethoxy)methane

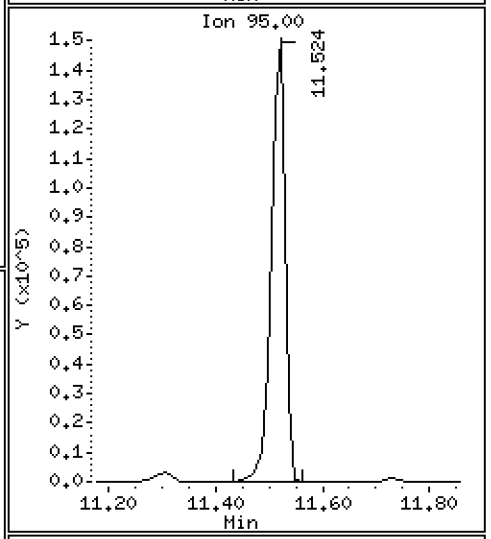
Concentration: 6.409 ug/mL

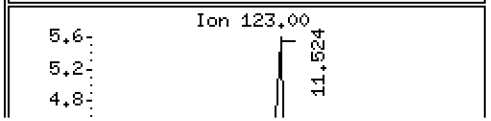












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

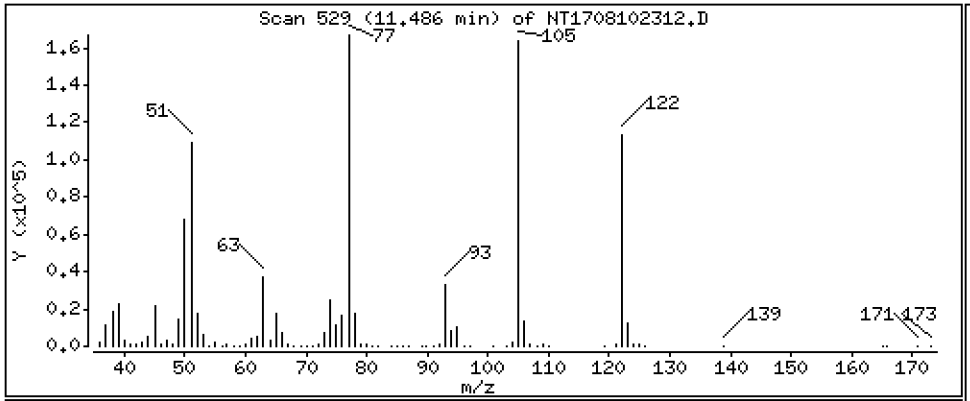
Operator: JGR

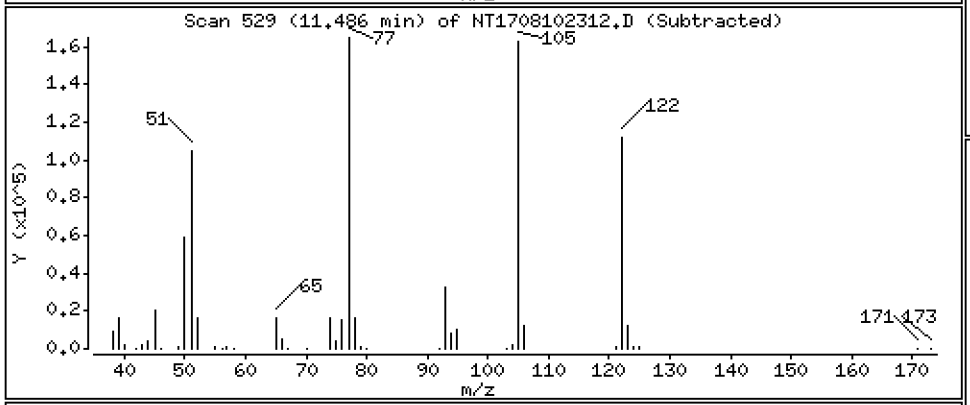
Column phase: ZB-5msi

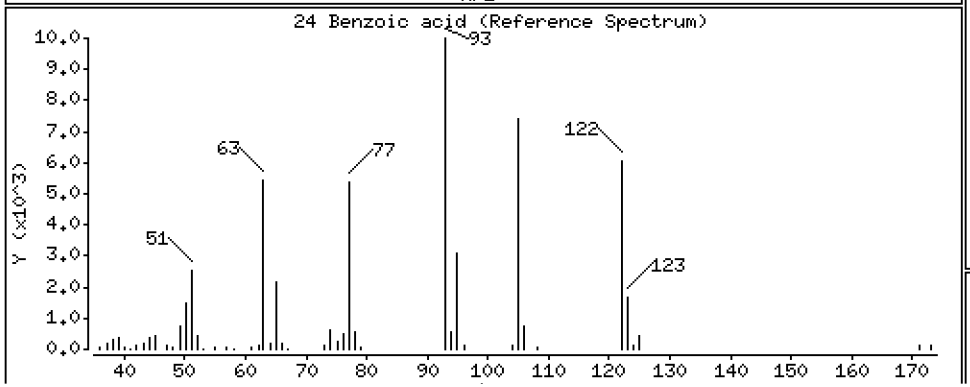
Column diameter: 0.25

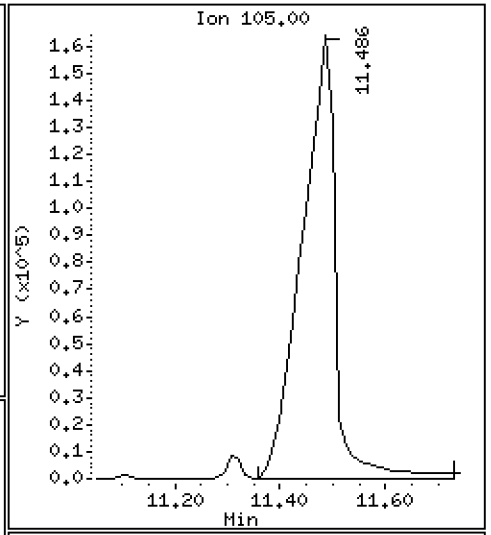
24 Benzoic acid

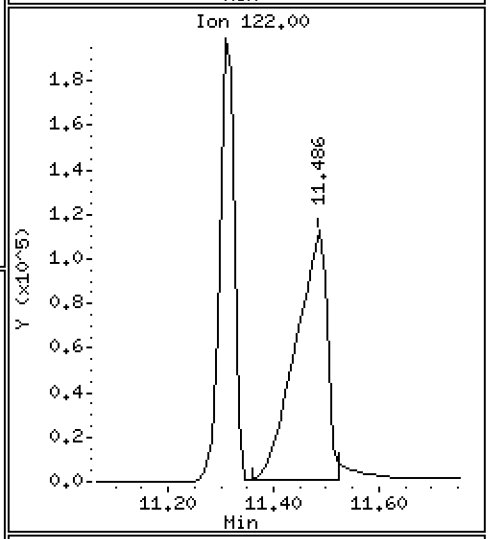
Concentration: 7.382 ug/mL

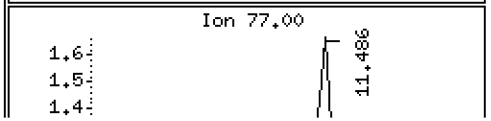












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

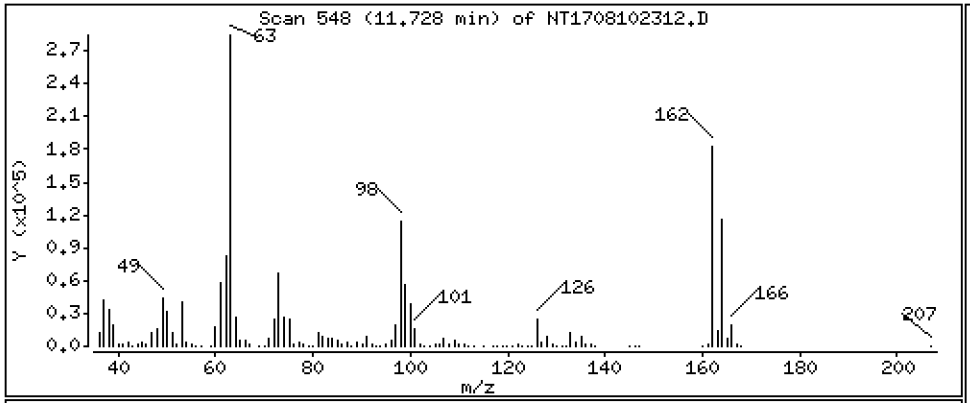
Operator: JGR

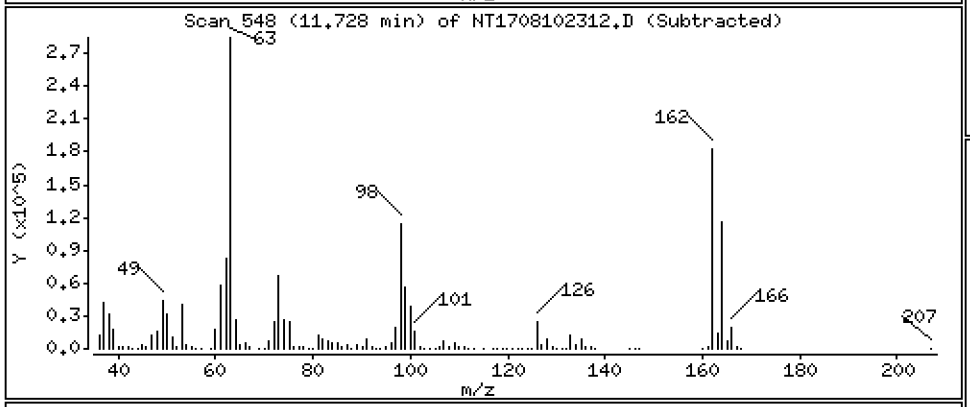
Column phase: ZB-5msi

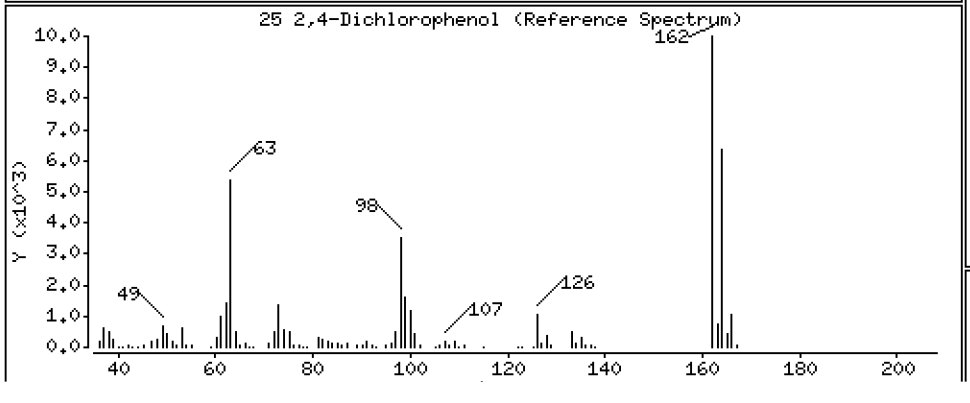
Column diameter: 0.25

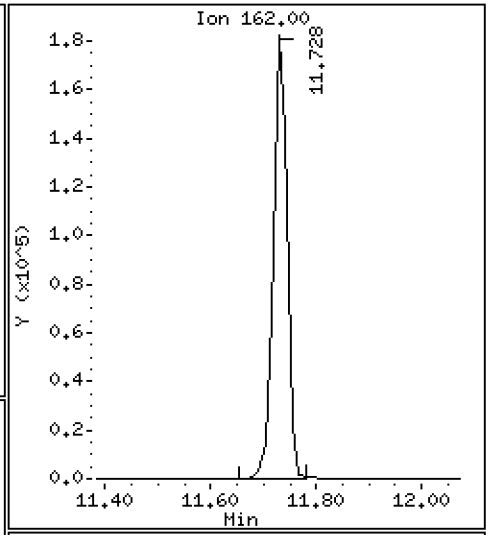
25 2,4-Dichlorophenol

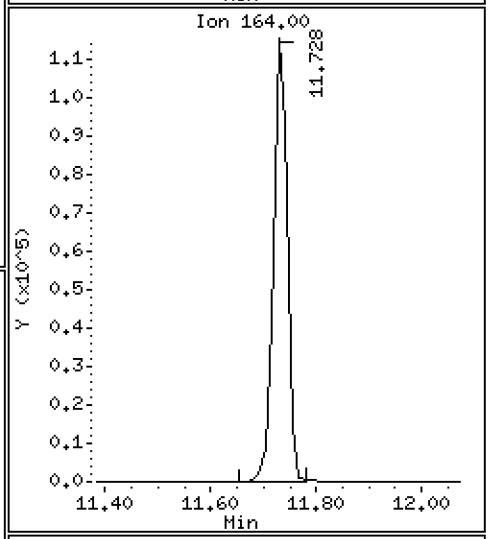
Concentration: 5.686 ug/mL

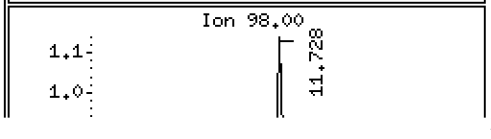












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

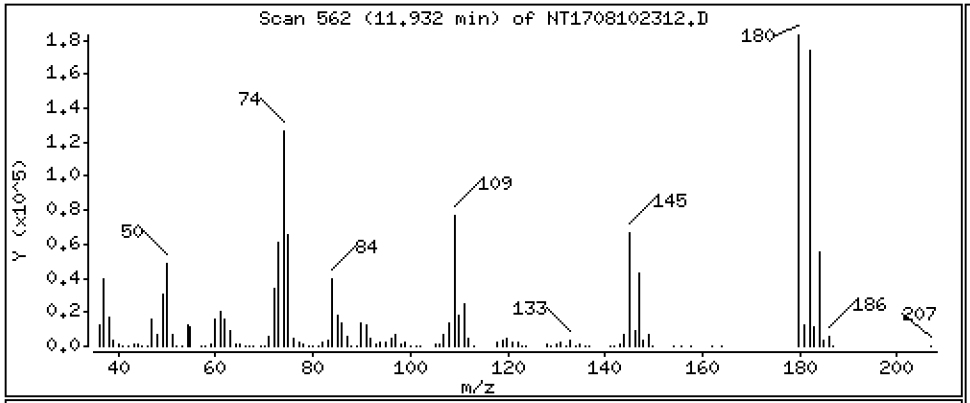
Operator: JGR

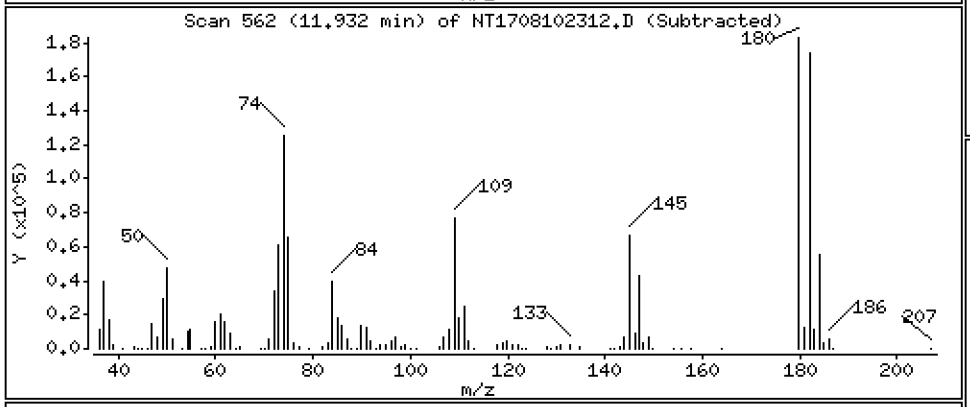
Column phase: ZB-5msi

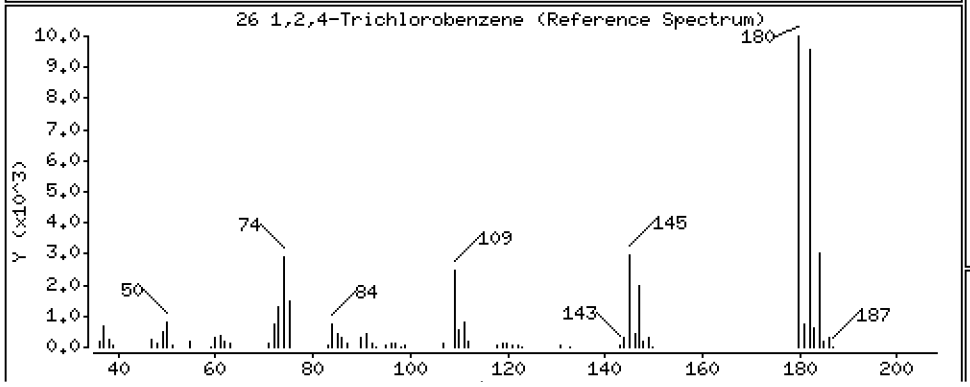
Column diameter: 0.25

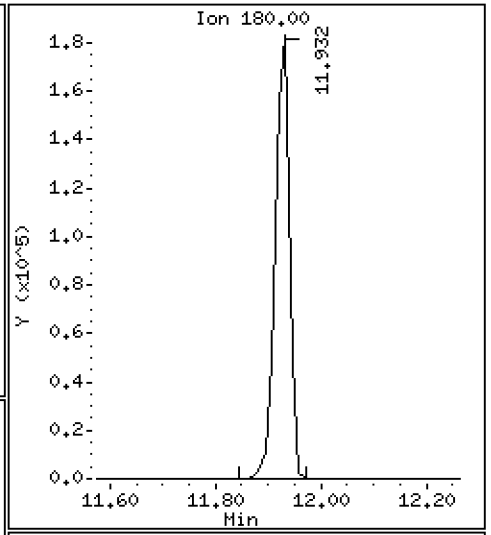
26 1,2,4-Trichlorobenzene

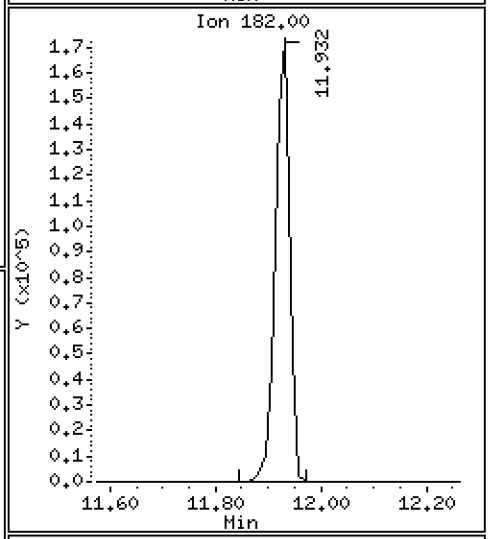
Concentration: 5.092 ug/mL

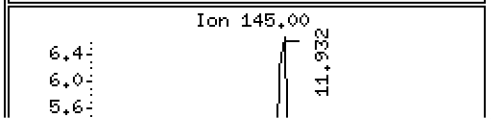












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

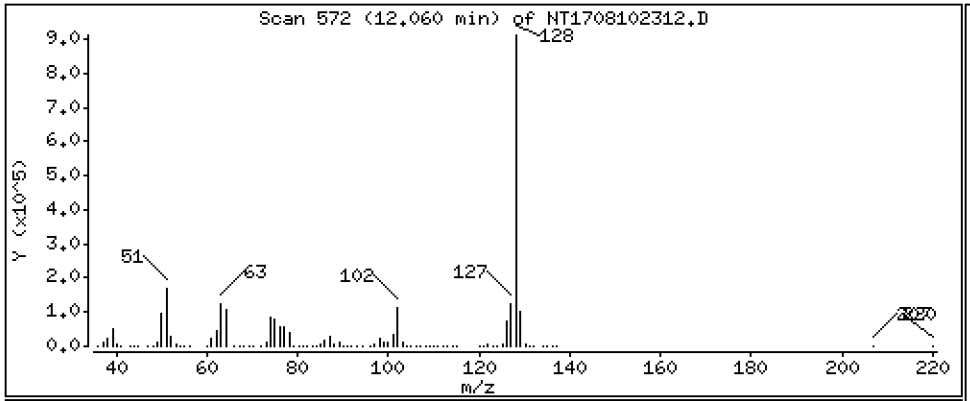
Operator: JGR

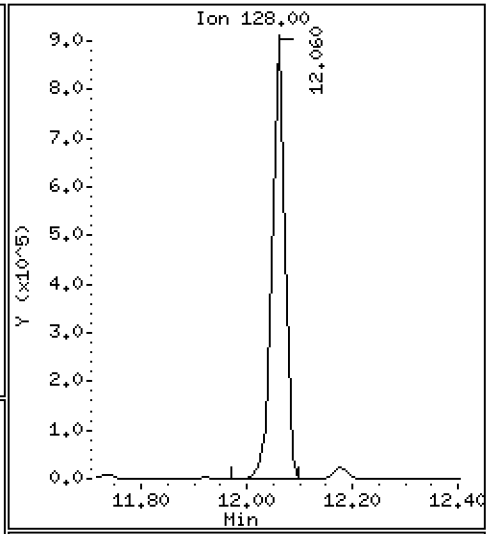
Column phase: ZB-5msi

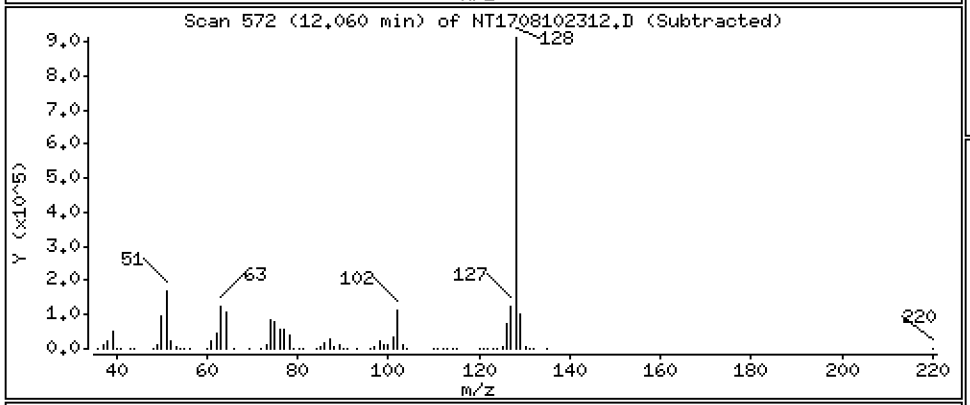
Column diameter: 0.25

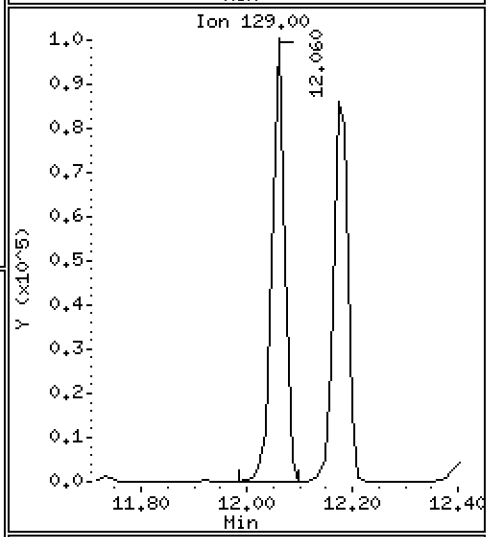
28 Naphthalene

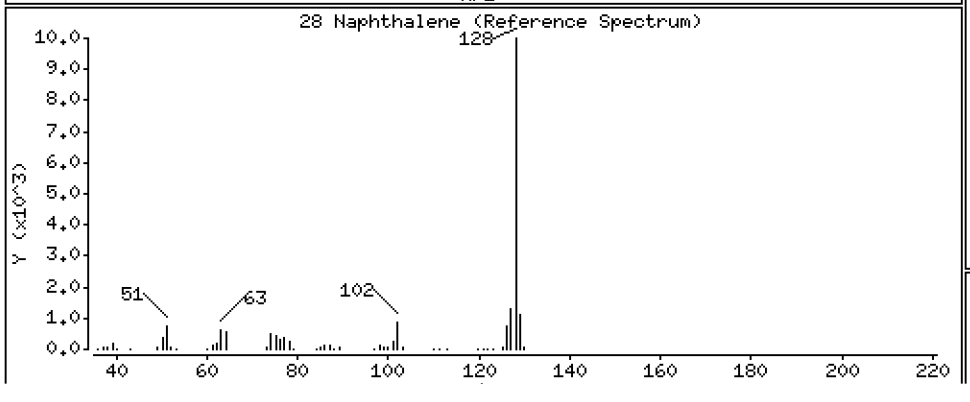
Concentration: 5.642 ug/mL

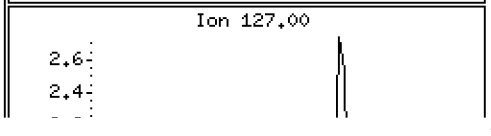












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

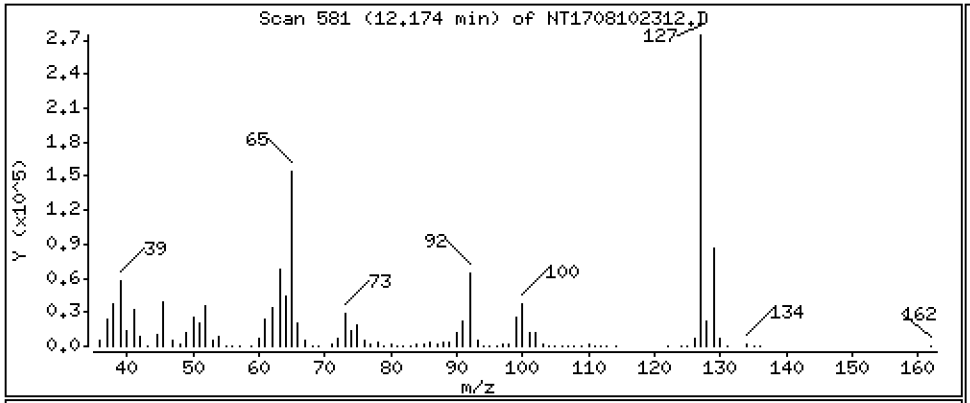
Operator: JGR

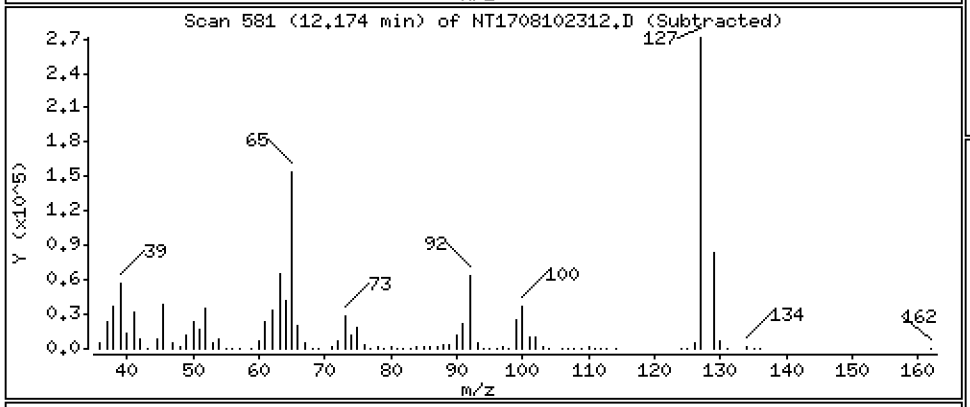
Column phase: ZB-5msi

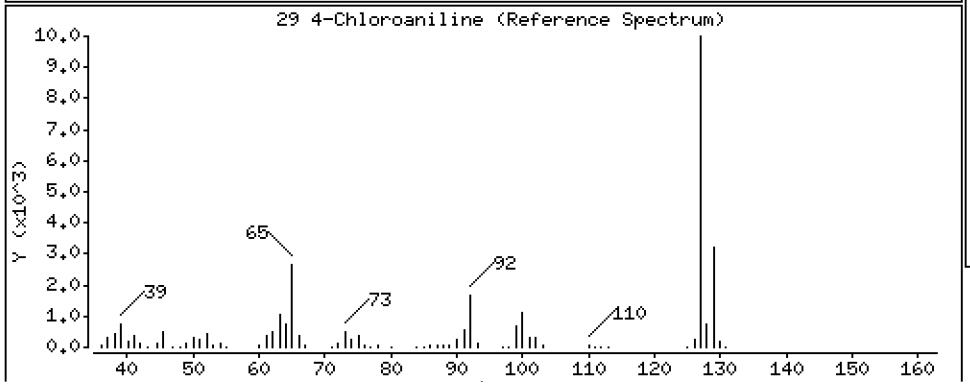
Column diameter: 0.25

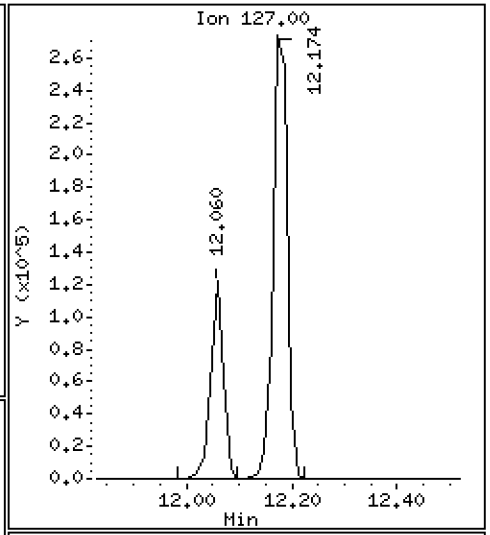
29 4-Chloroaniline

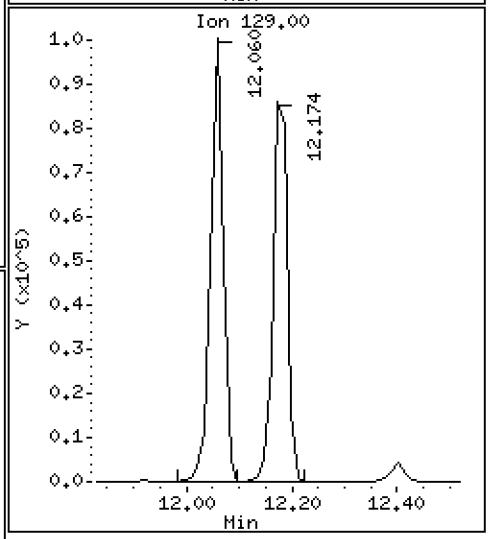
Concentration: 4.213 ug/mL











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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

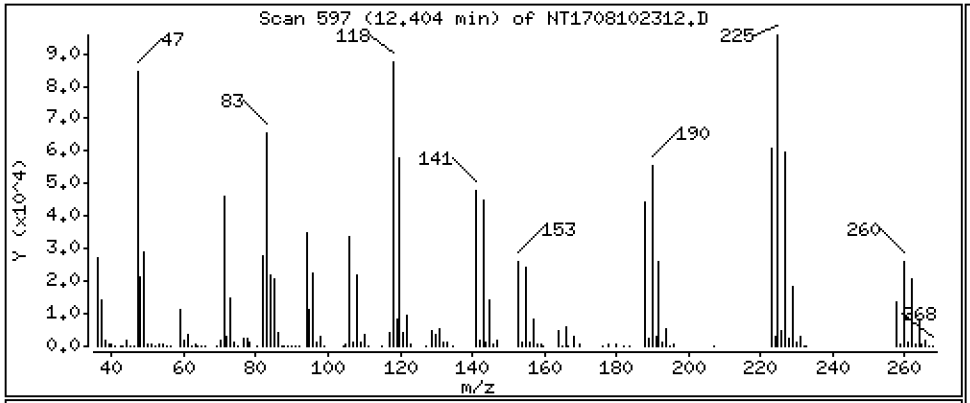
Operator: JGR

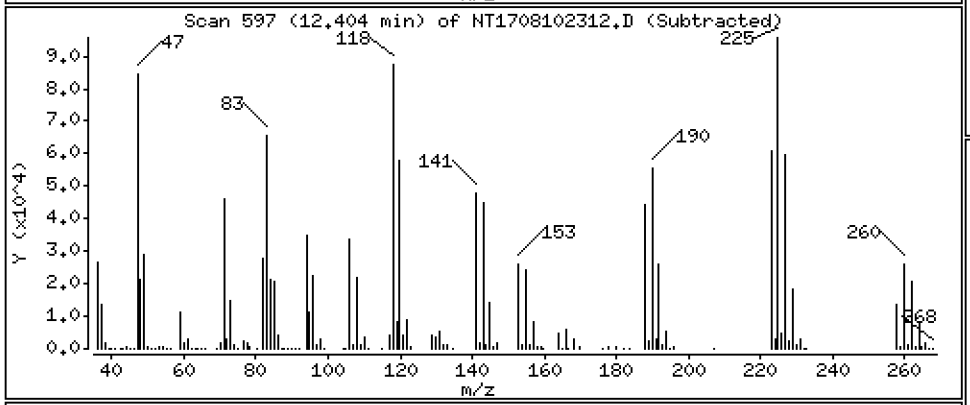
Column phase: ZB-5msi

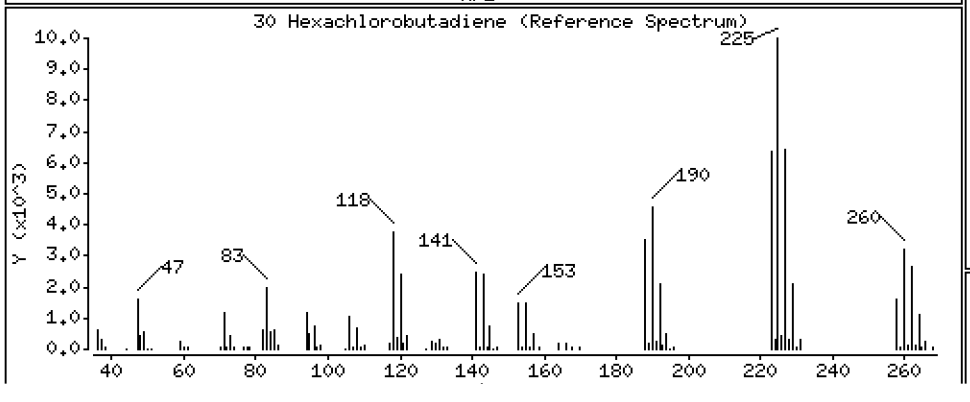
Column diameter: 0.25

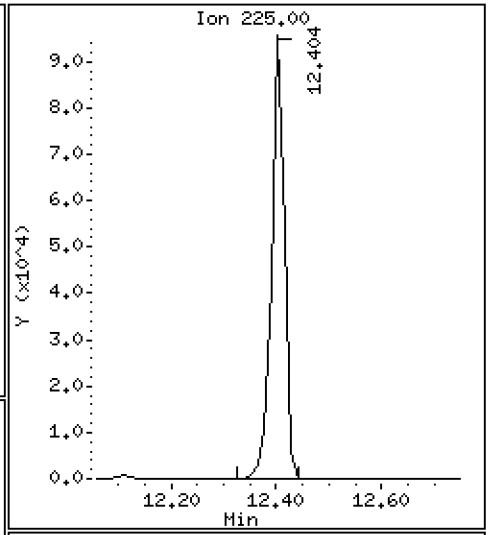
30 Hexachlorobutadiene

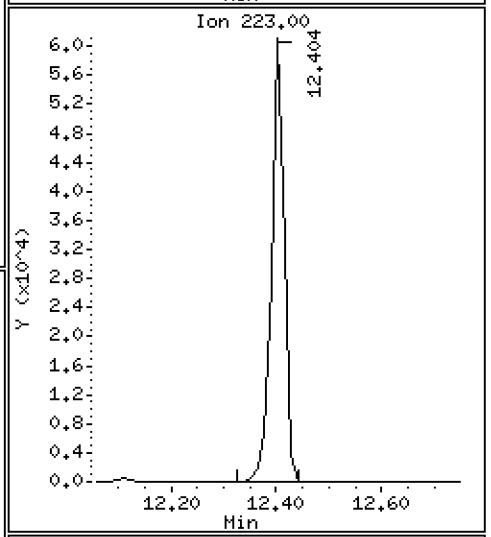
Concentration: 5.173 ug/mL

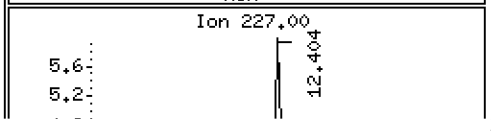












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

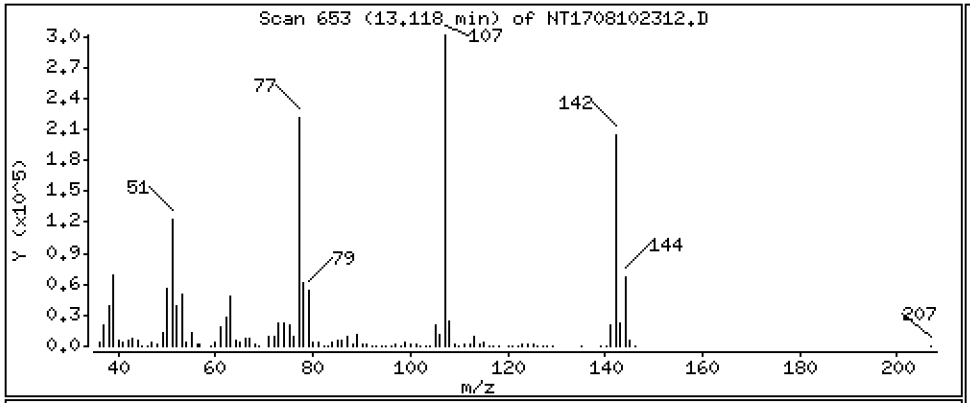
Operator: JGR

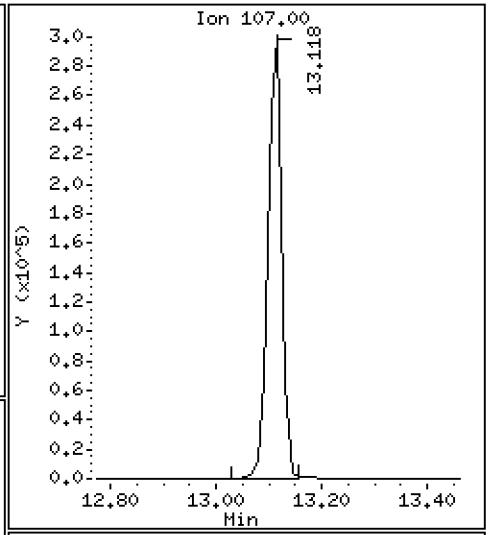
Column phase: ZB-5msi

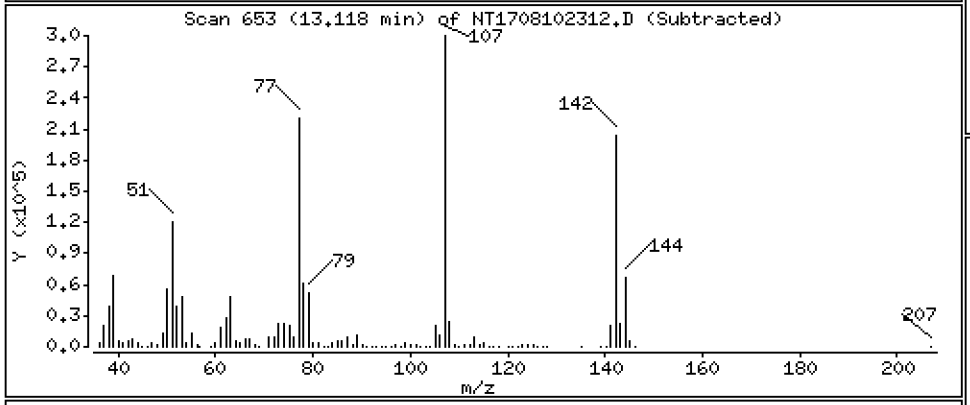
Column diameter: 0.25

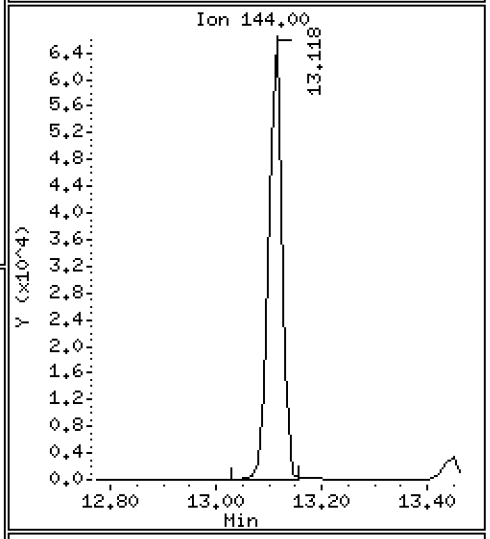
31 4-Chloro-3-methylphenol

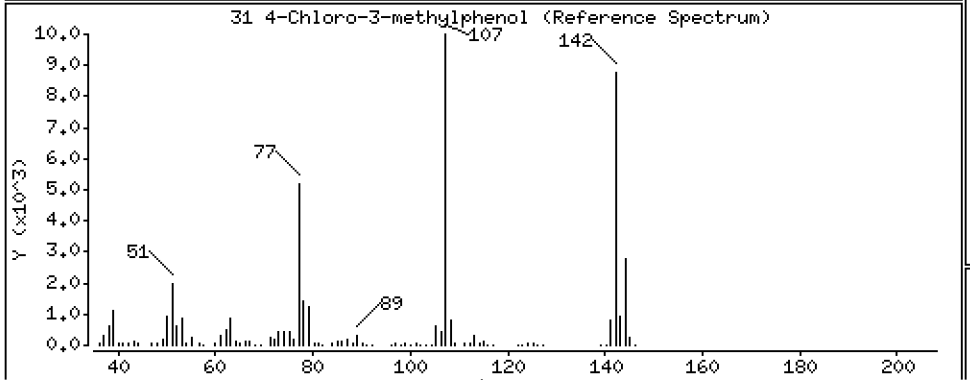
Concentration: 4.798 ug/mL

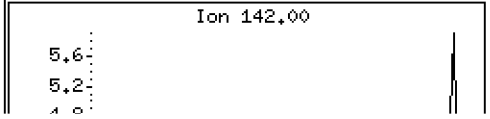












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

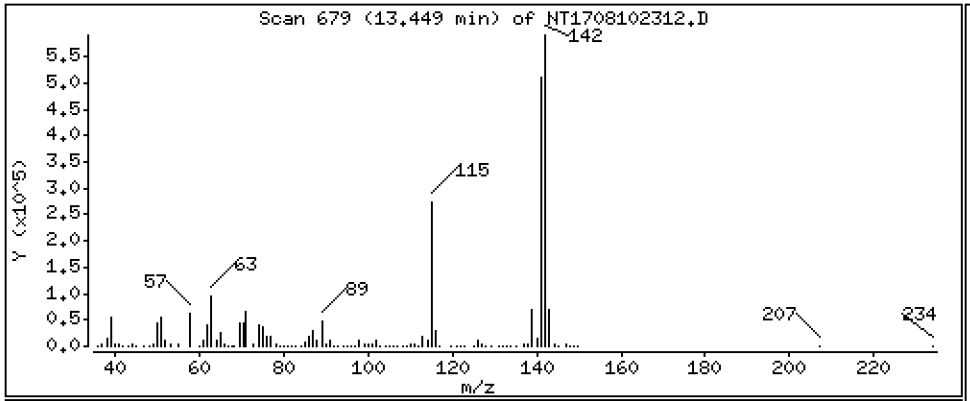
Operator: JGR

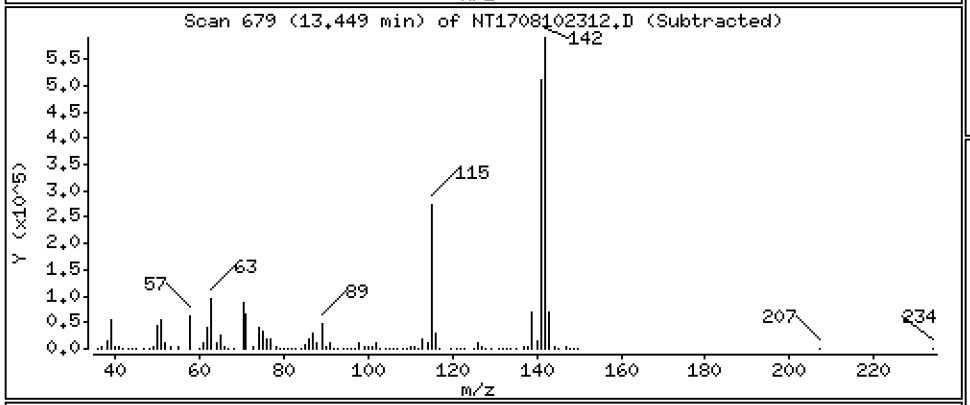
Column phase: ZB-5msi

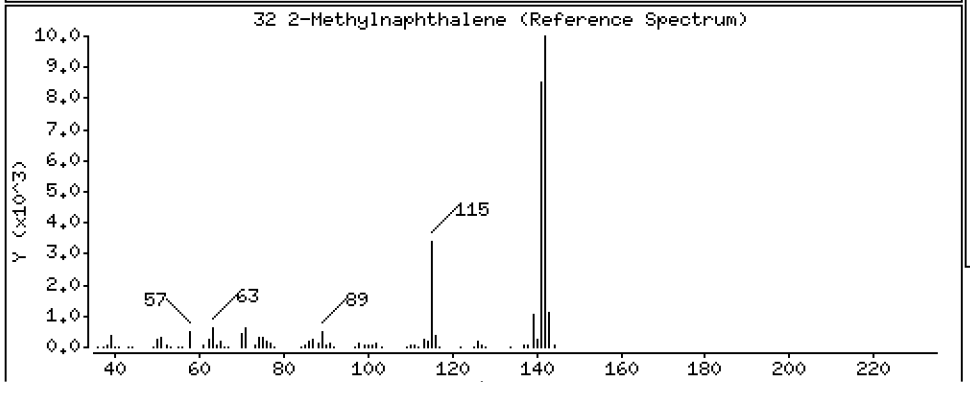
Column diameter: 0.25

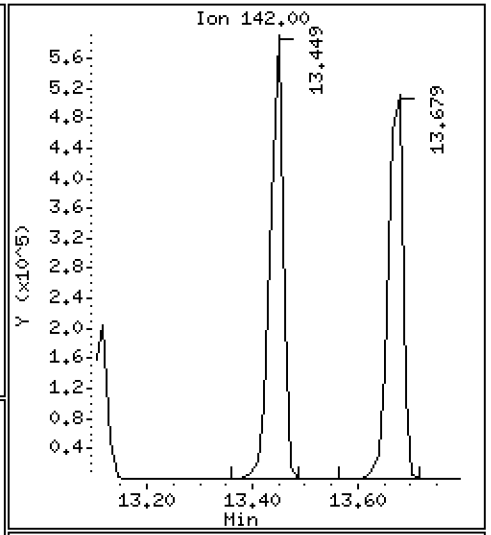
32 2-Methylnaphthalene

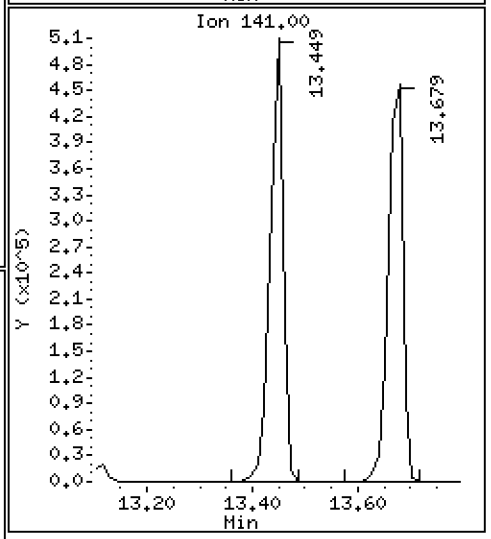
Concentration: 5.370 ug/mL











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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

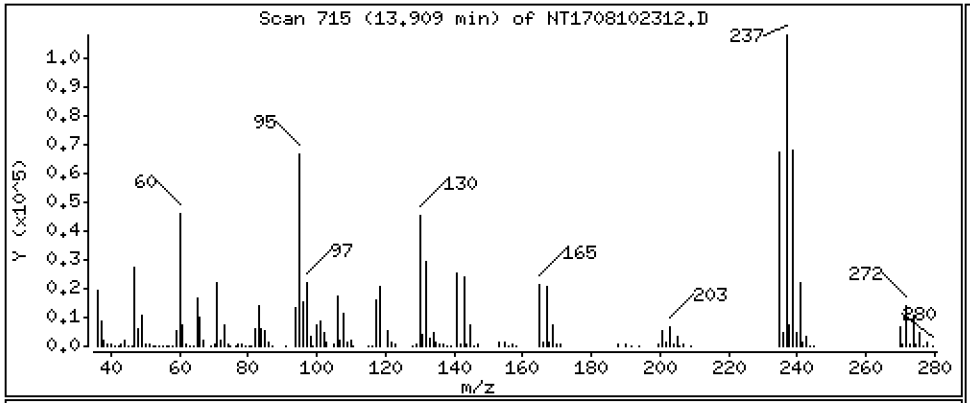
Operator: JGR

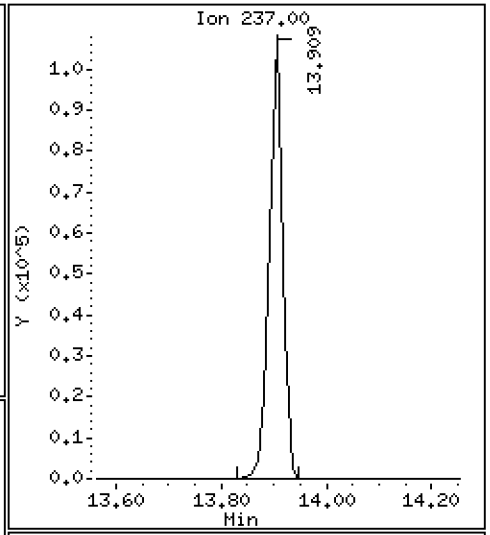
Column phase: ZB-5msi

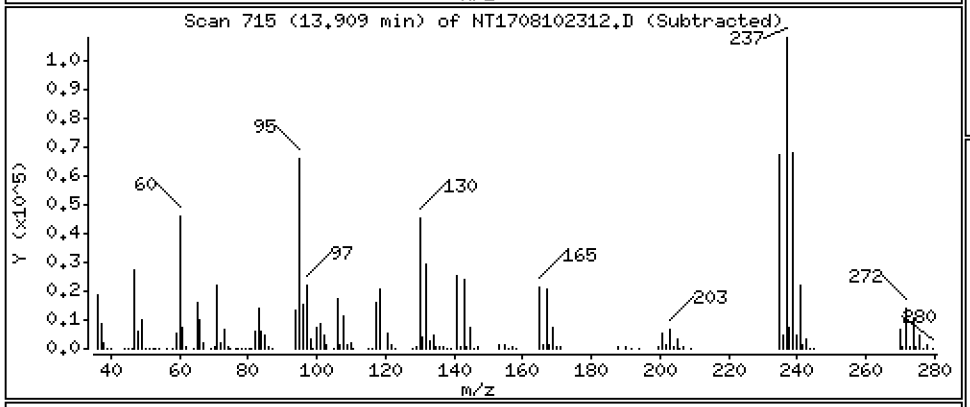
Column diameter: 0.25

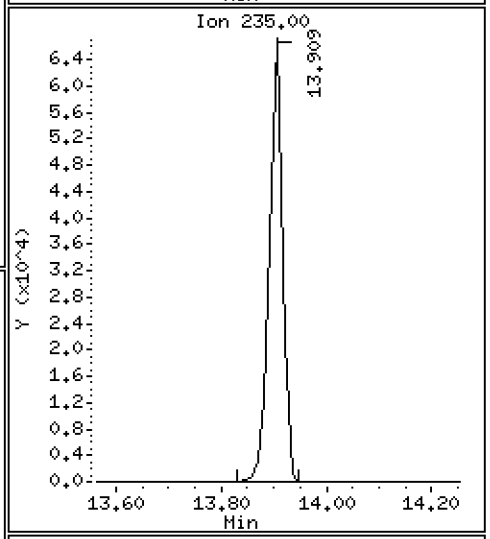
33 Hexachlorocyclopentadiene

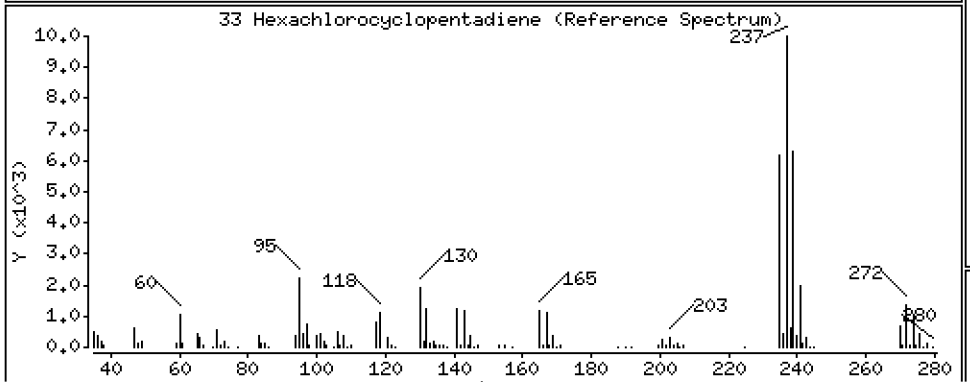
Concentration: 4.282 ug/mL

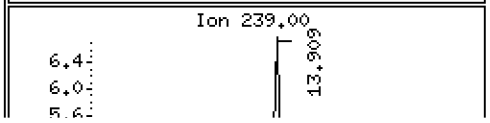












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

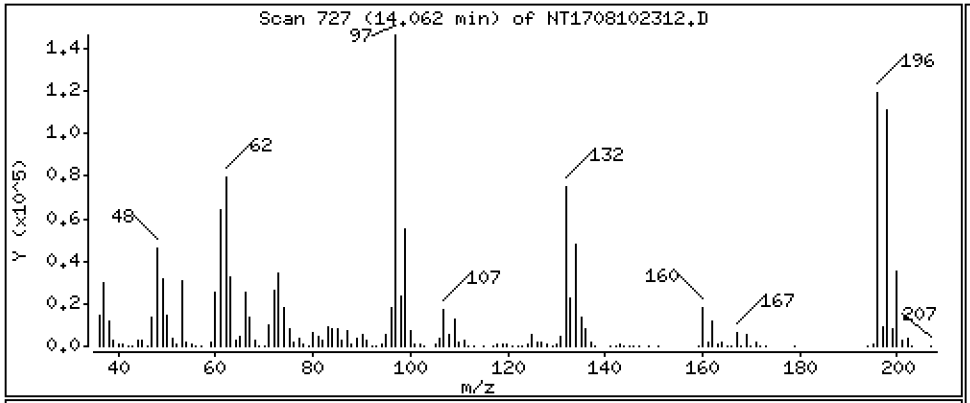
Operator: JGR

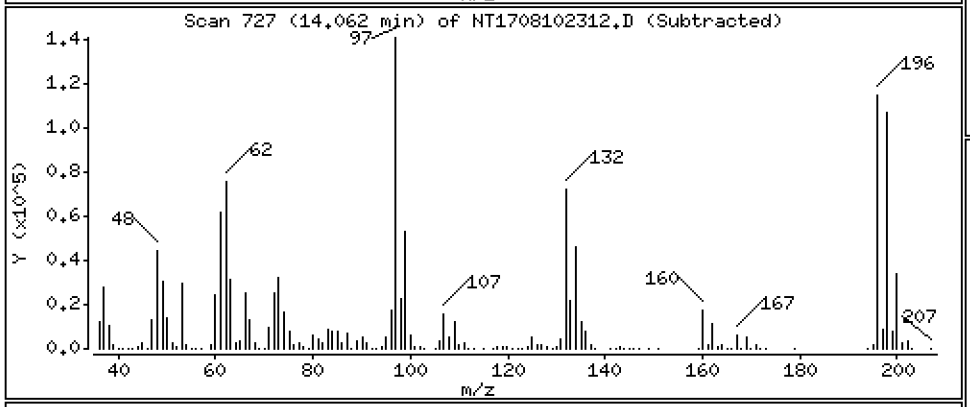
Column phase: ZB-5msi

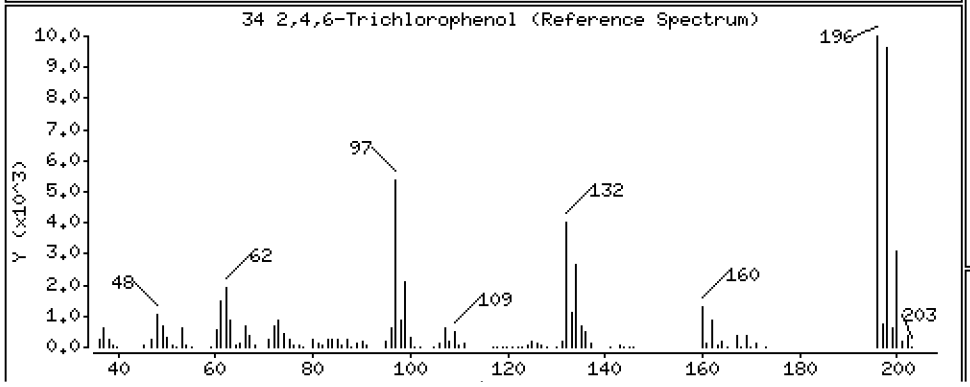
Column diameter: 0.25

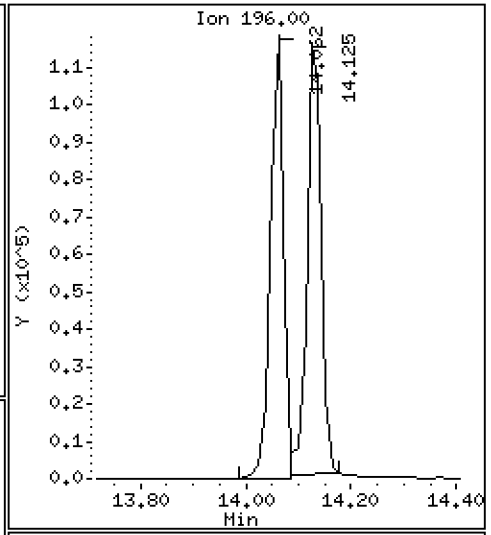
34 2,4,6-Trichlorophenol

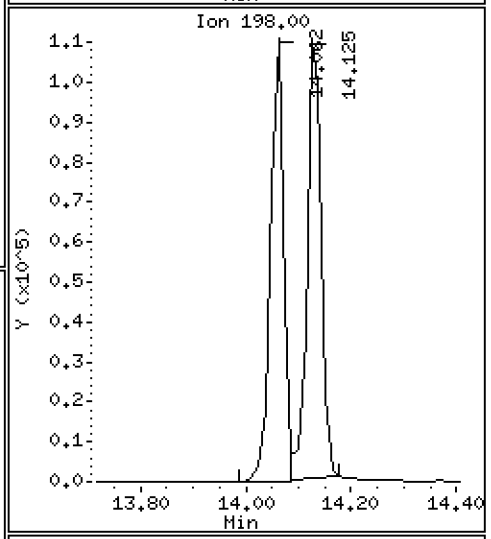
Concentration: 4.376 ug/mL

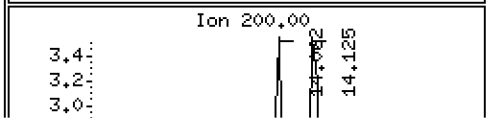












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

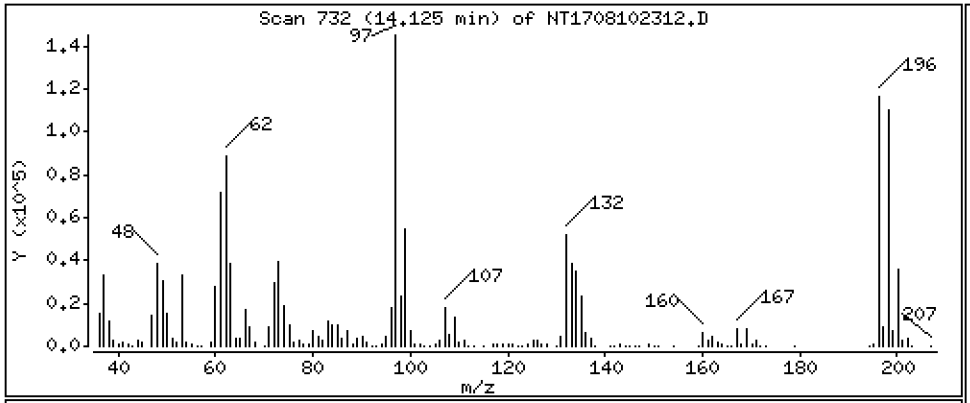
Operator: JGR

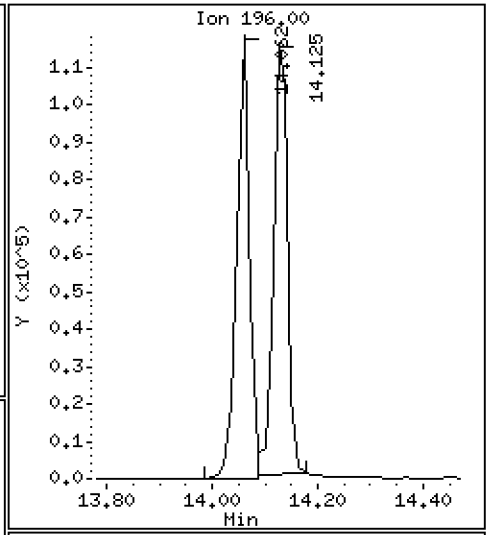
Column phase: ZB-5msi

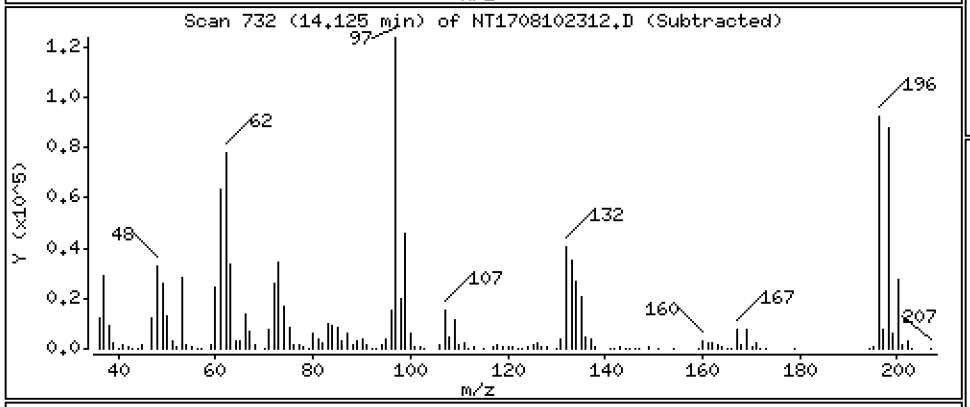
Column diameter: 0.25

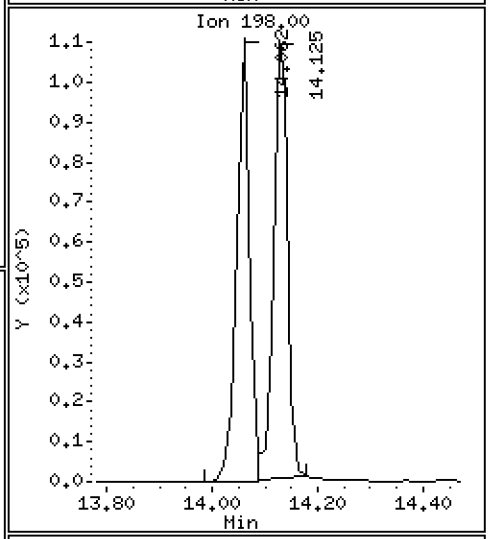
35 2,4,5-Trichlorophenol

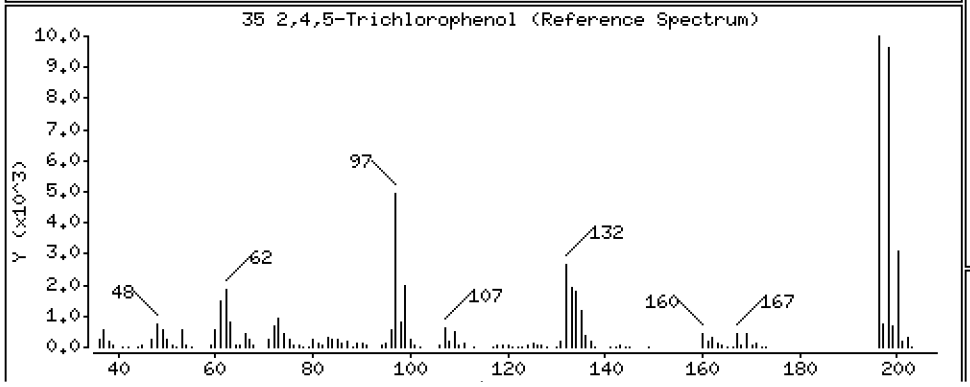
Concentration: 5.127 ug/mL

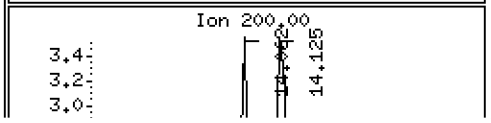












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

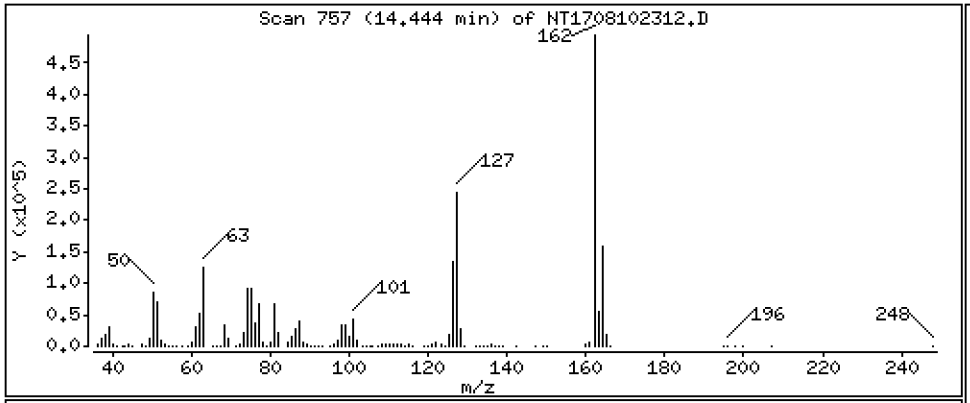
Operator: JGR

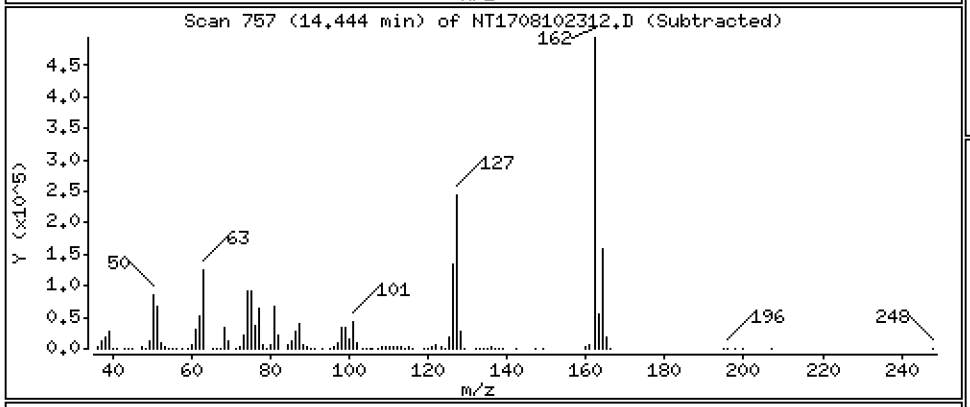
Column phase: ZB-5msi

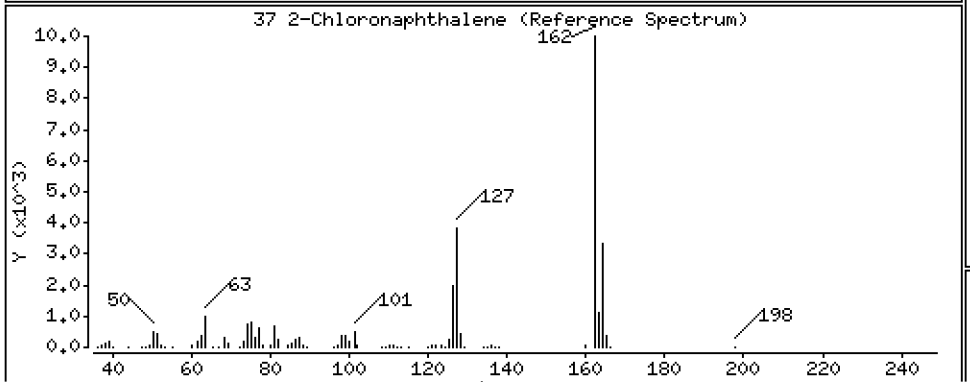
Column diameter: 0.25

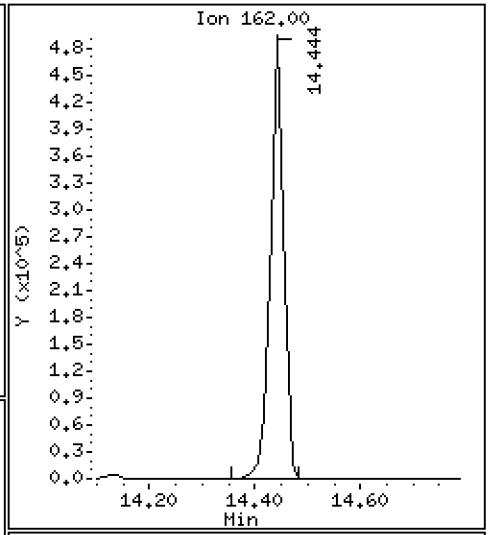
37 2-Chloronaphthalene

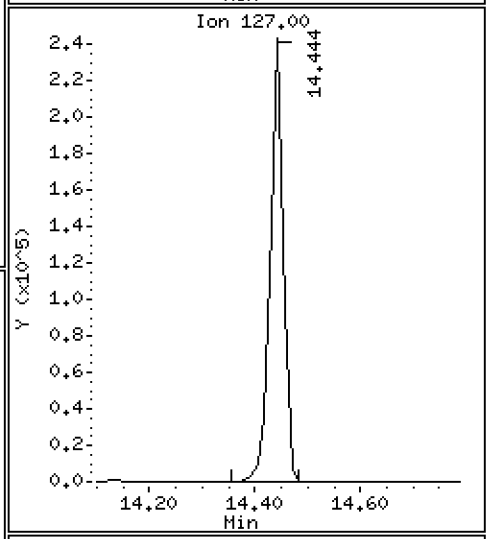
Concentration: 5.507 ug/mL

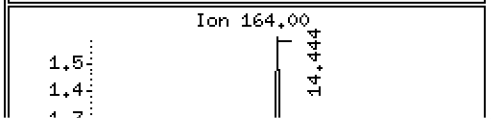












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

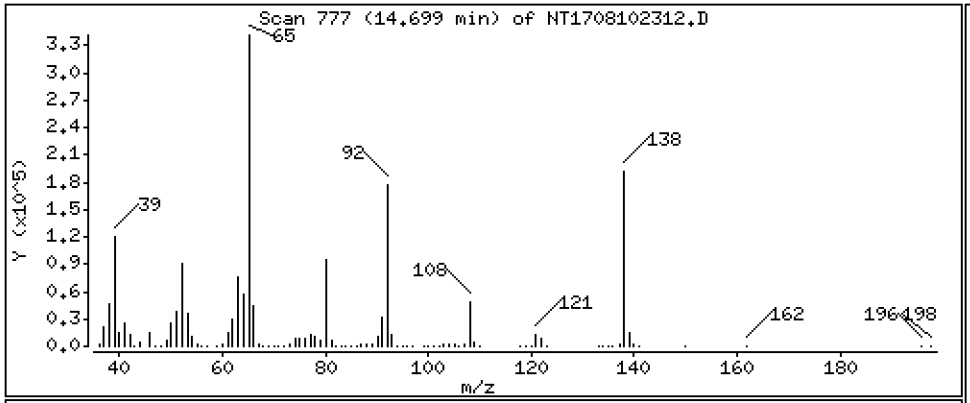
Operator: JGR

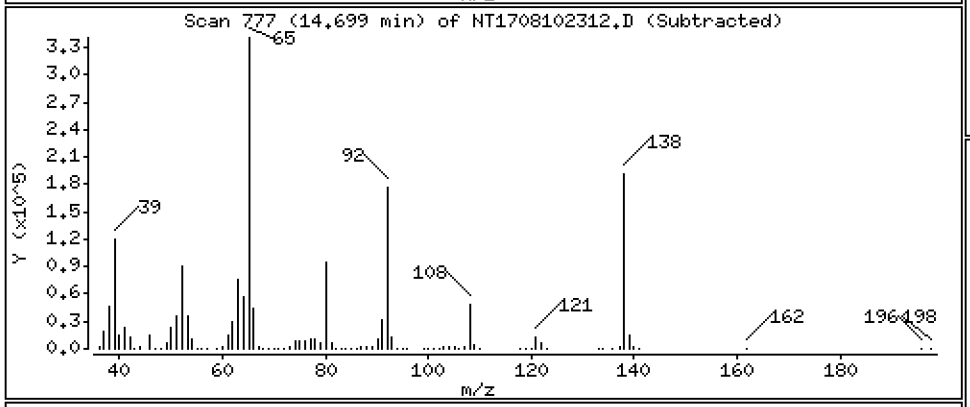
Column phase: ZB-5msi

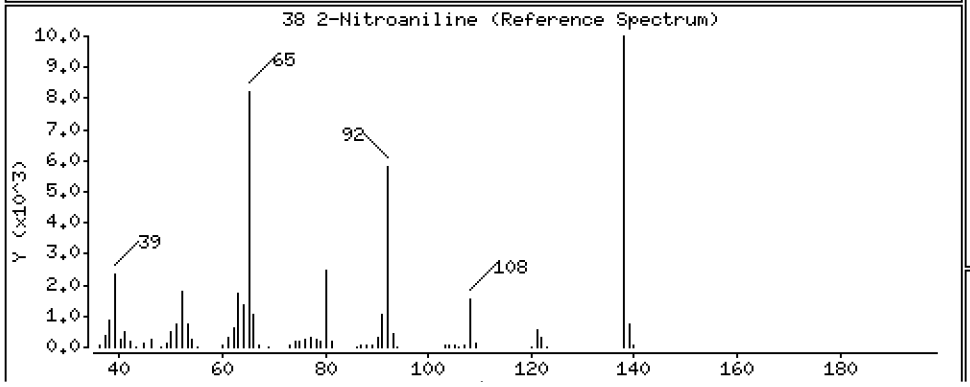
Column diameter: 0.25

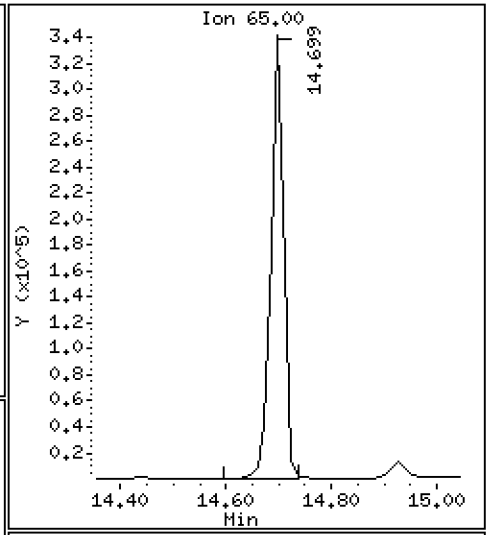
38 2-Nitroaniline

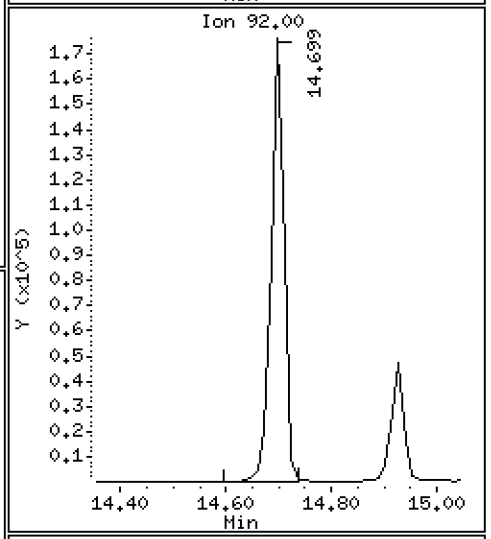
Concentration: 4.630 ug/mL

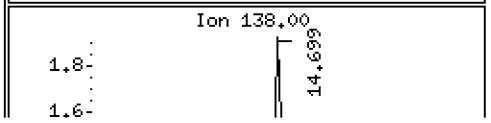












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

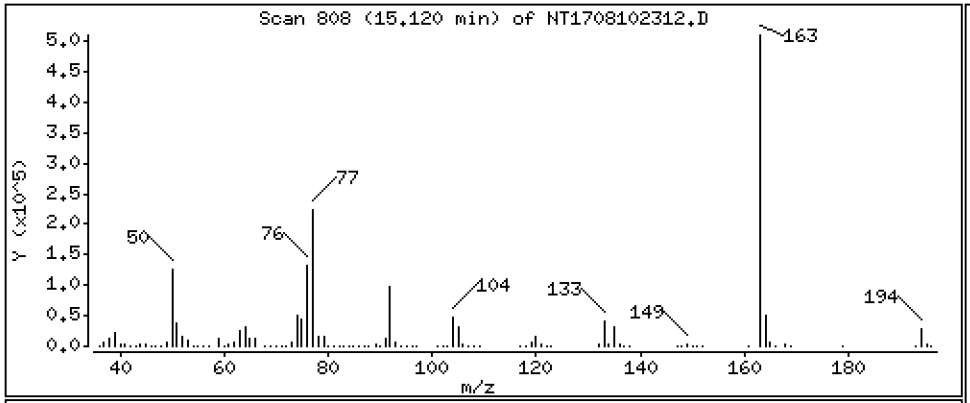
Operator: JGR

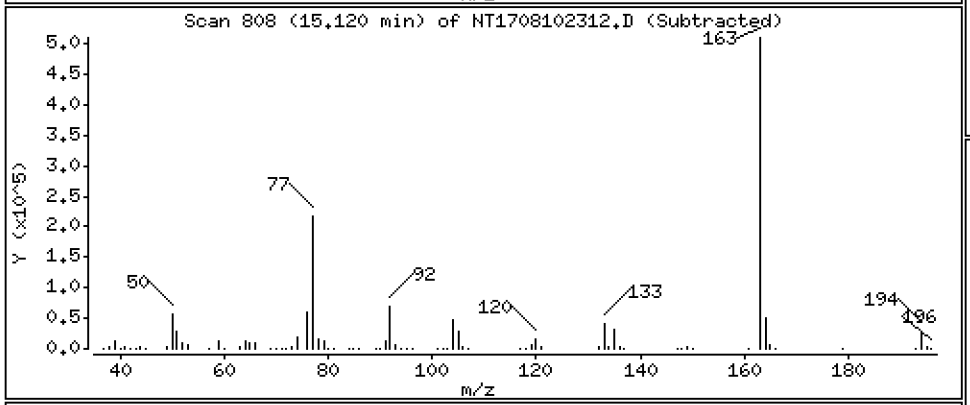
Column phase: ZB-5msi

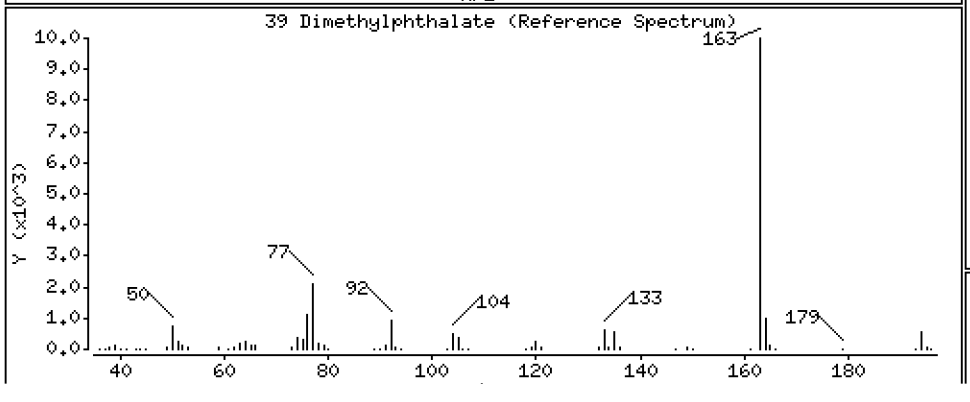
Column diameter: 0.25

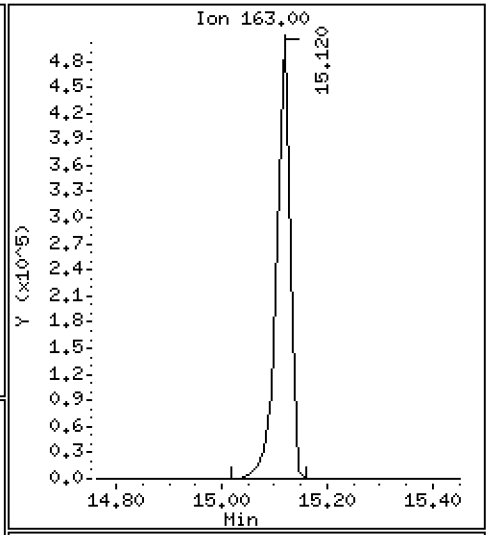
39 Dimethylphthalate

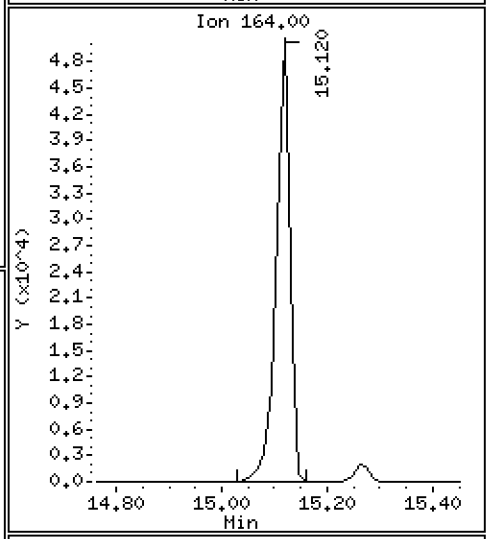
Concentration: 5.665 ug/mL

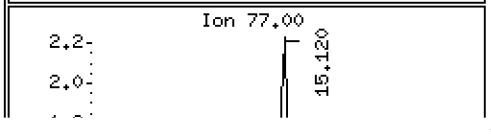












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

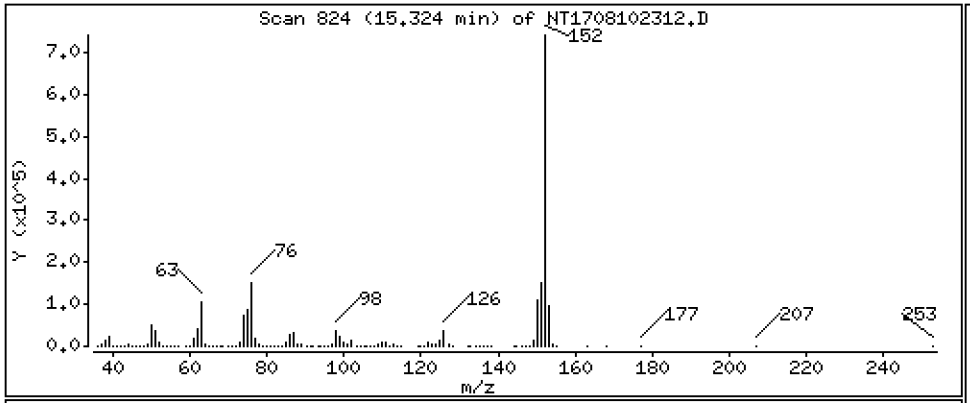
Operator: JGR

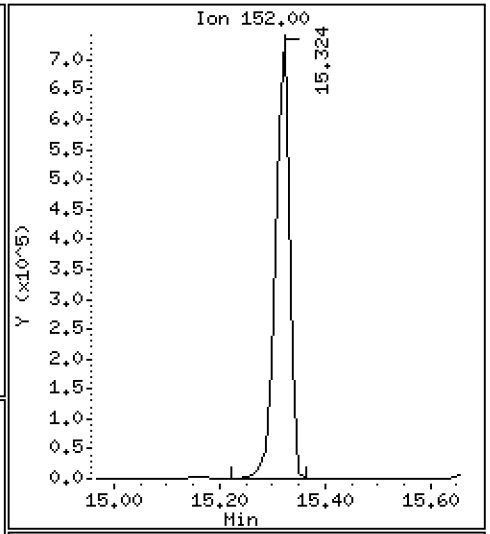
Column phase: ZB-5msi

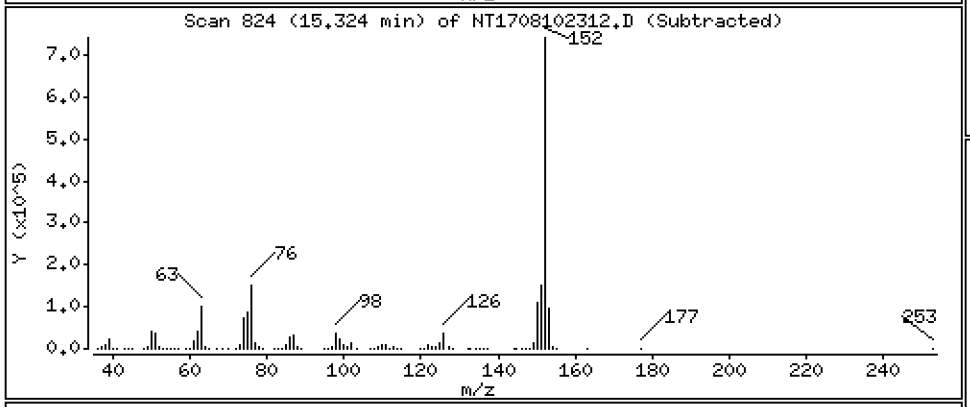
Column diameter: 0.25

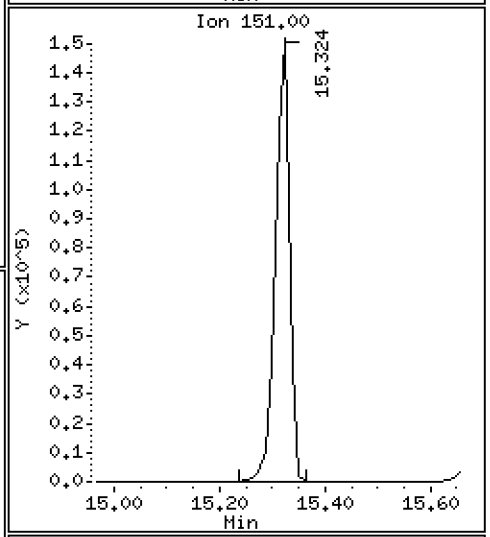
40 Acenaphthylene

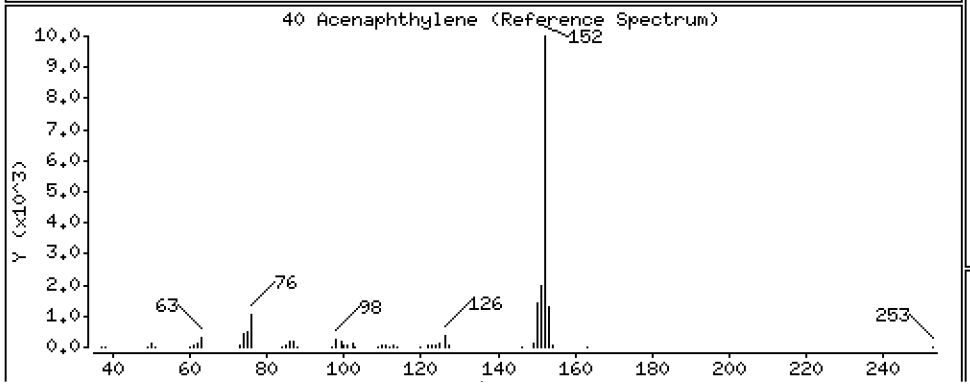
Concentration: 5.818 ug/mL

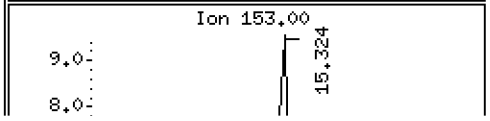












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

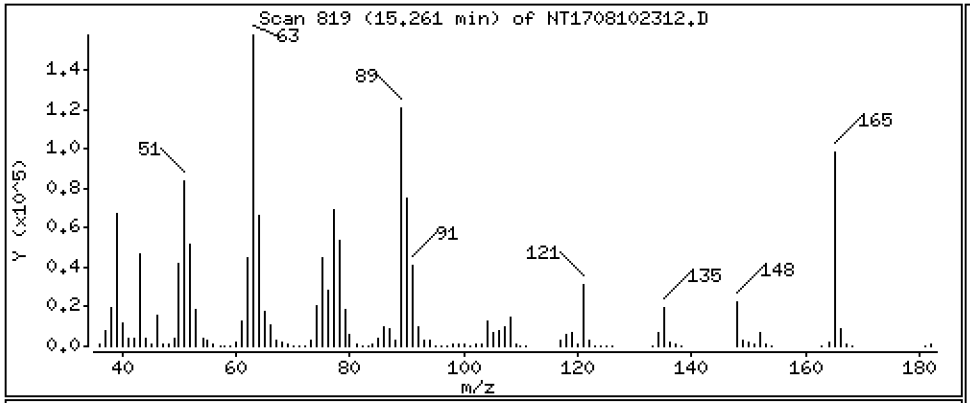
Operator: JGR

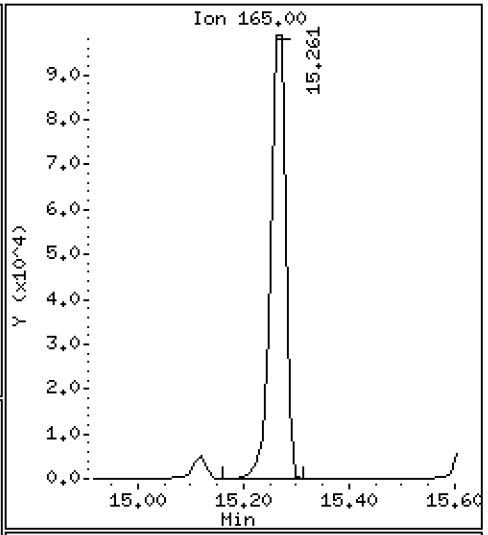
Column phase: ZB-5msi

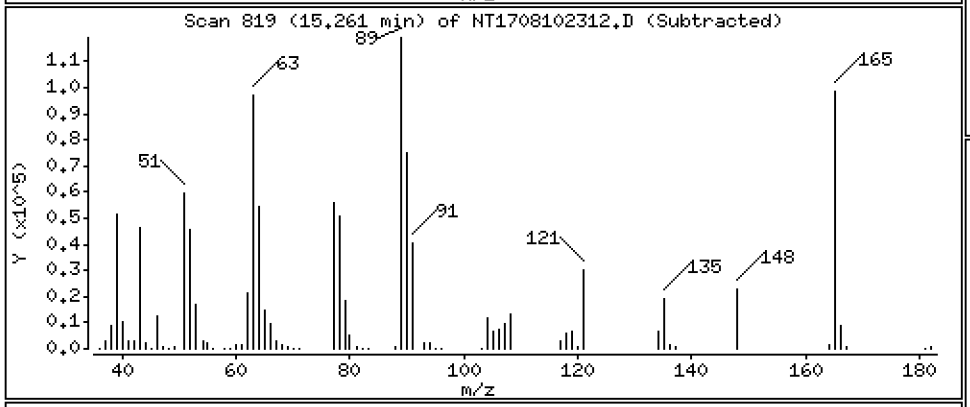
Column diameter: 0.25

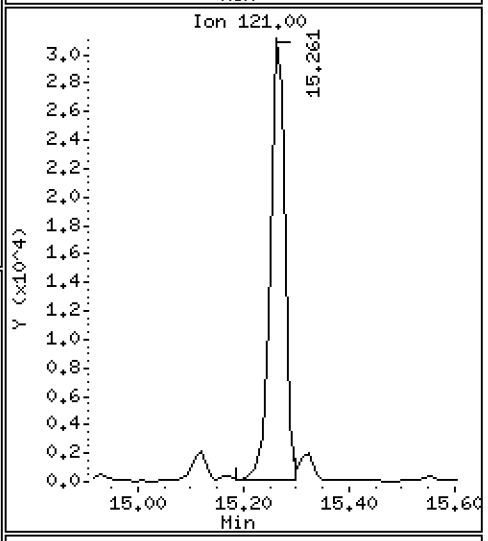
41 2,6-Dinitrotoluene

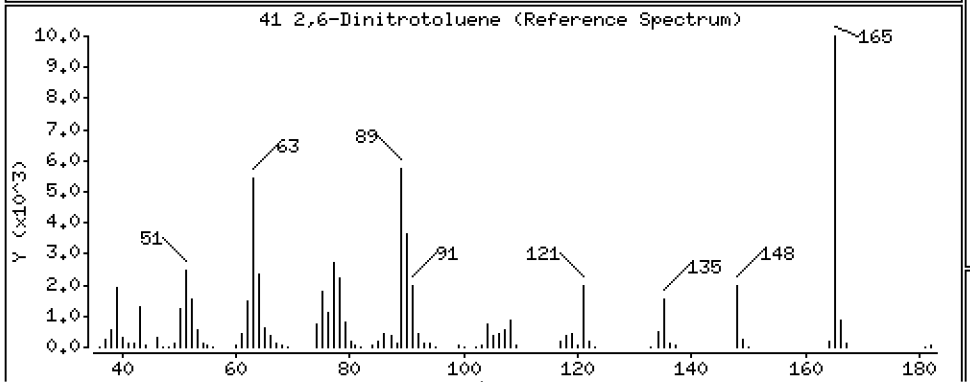
Concentration: 5.757 ug/mL

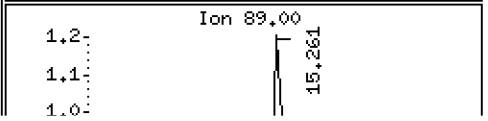












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

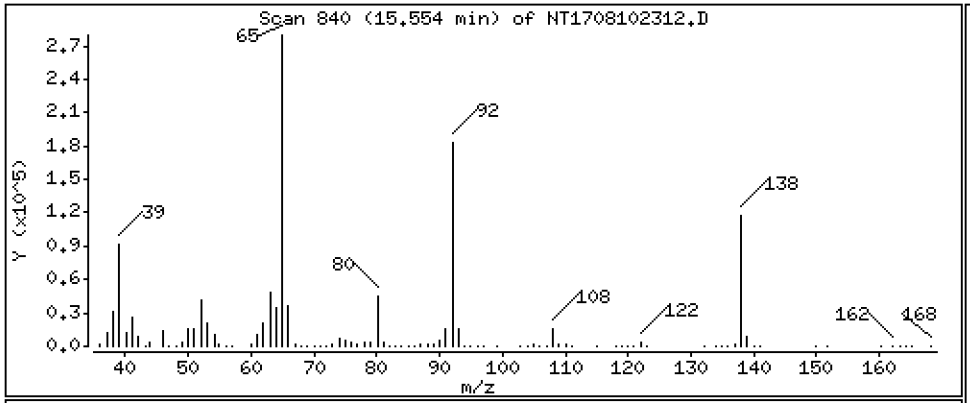
Operator: JGR

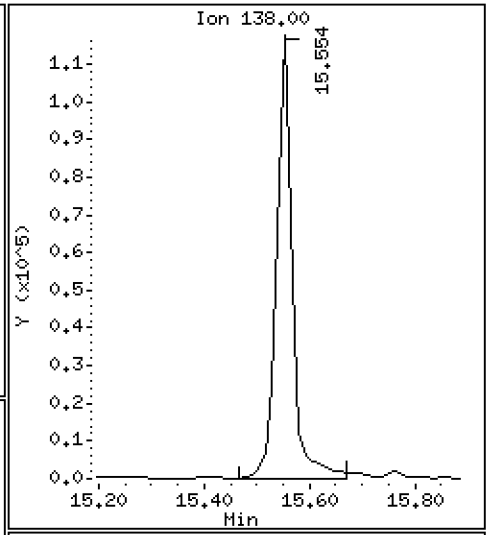
Column phase: ZB-5msi

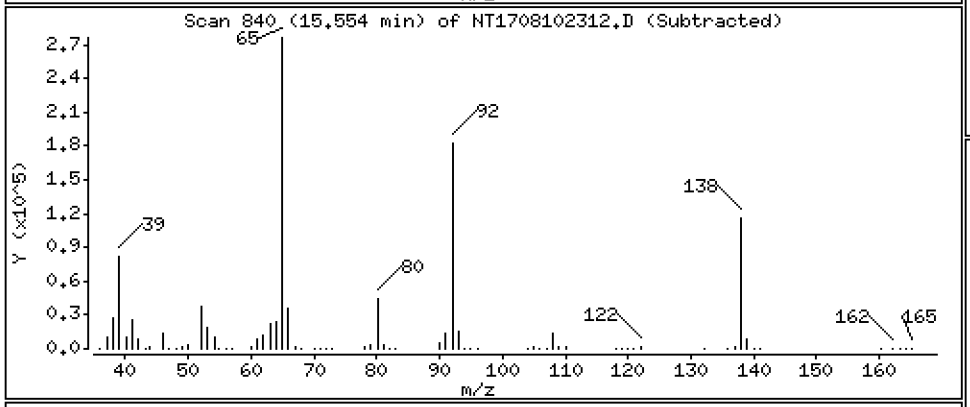
Column diameter: 0.25

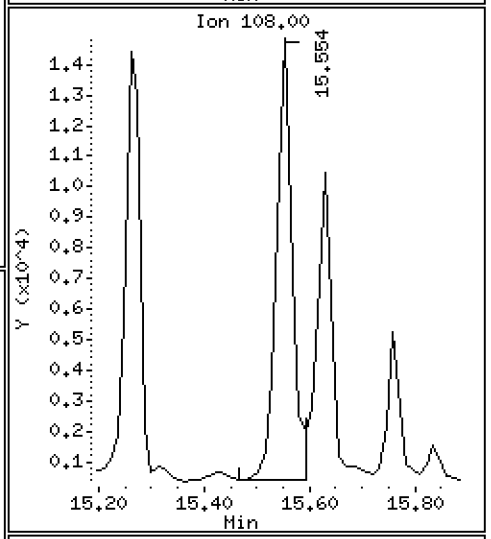
43 3-Nitroaniline

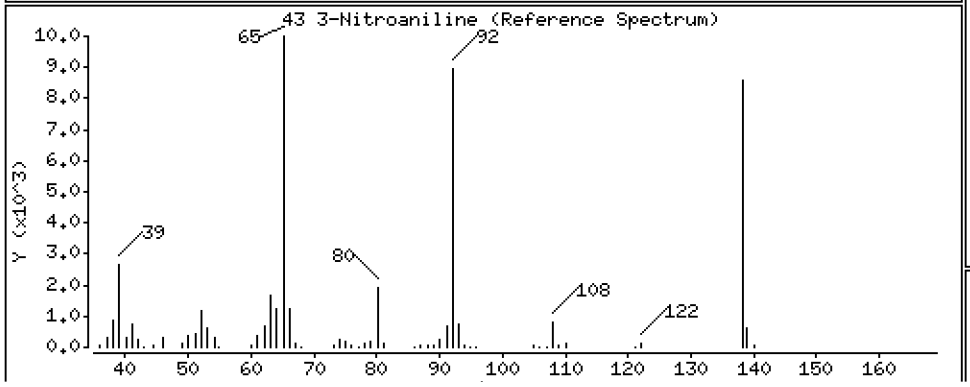
Concentration: 4.284 ug/mL

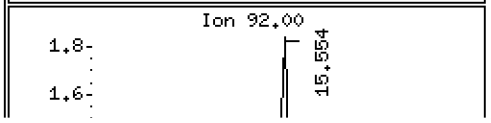












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

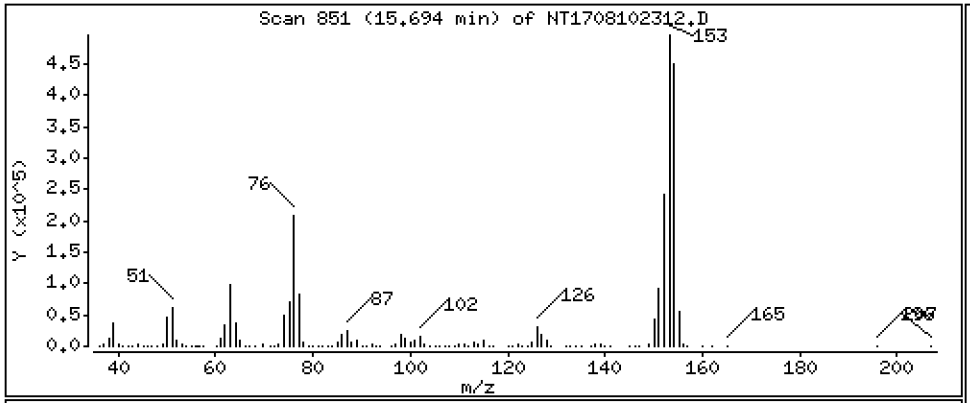
Operator: JGR

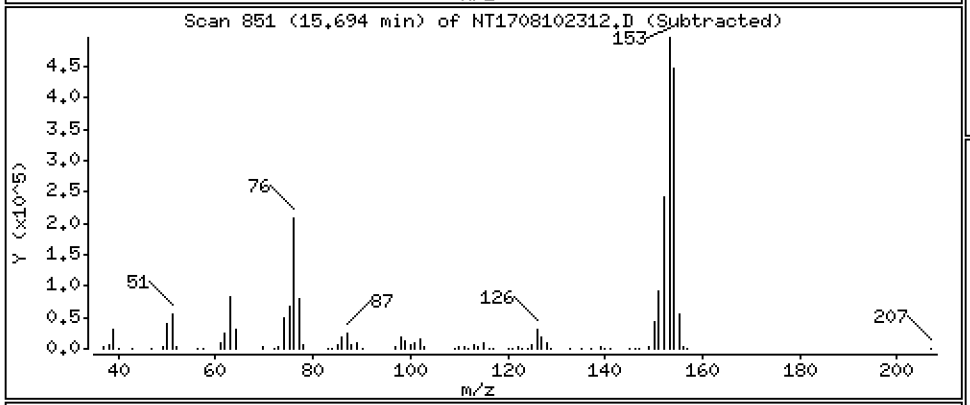
Column phase: ZB-5msi

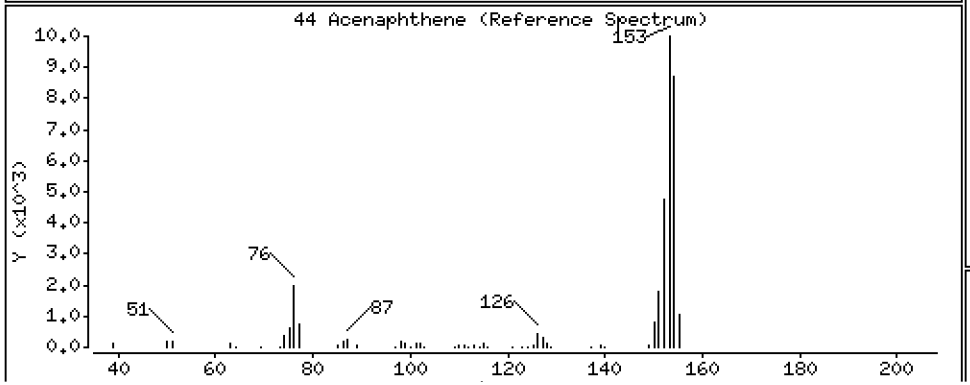
Column diameter: 0.25

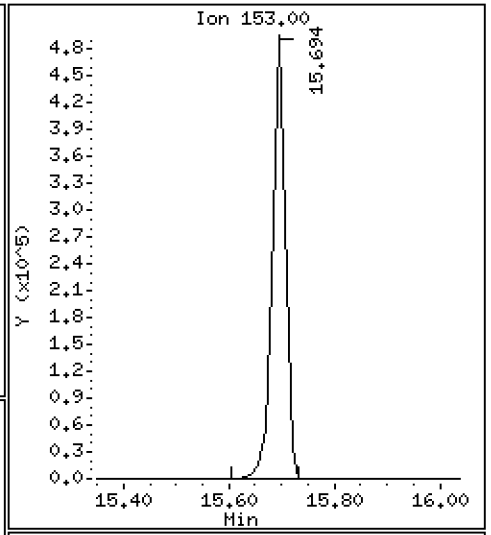
44 Acenaphthene

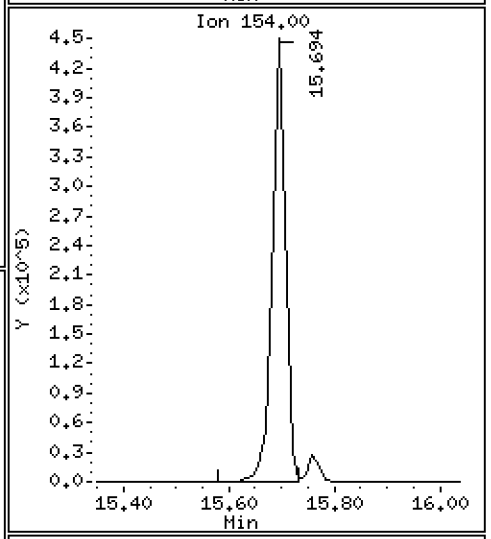
Concentration: 5.768 ug/mL

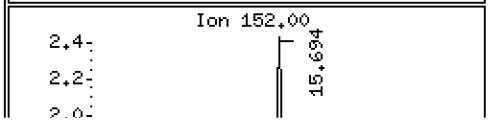












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

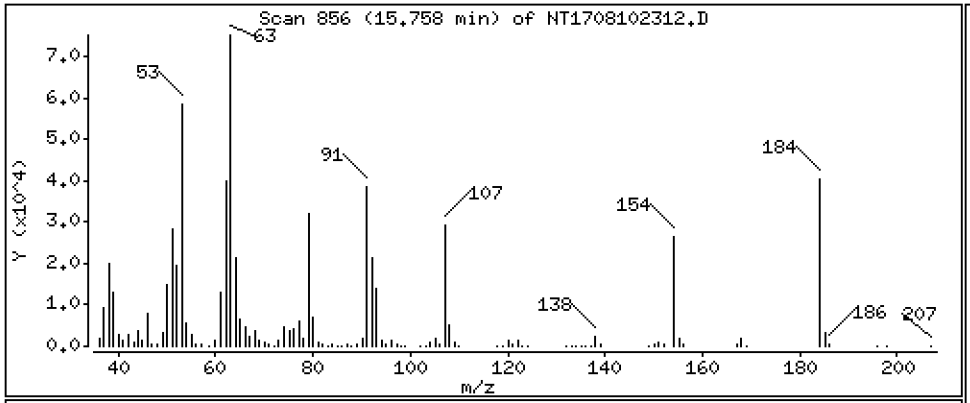
Operator: JGR

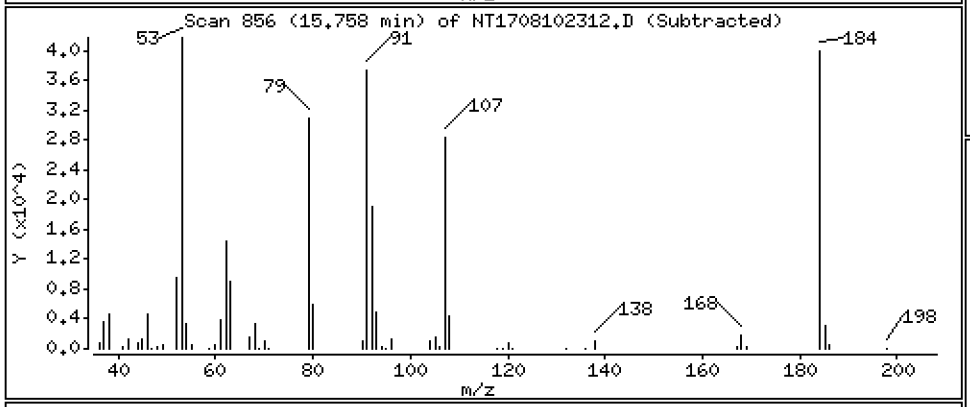
Column phase: ZB-5msi

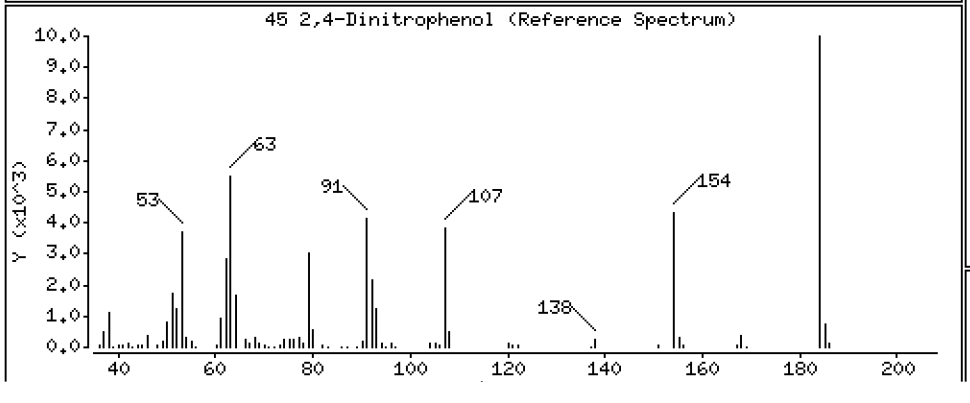
Column diameter: 0.25

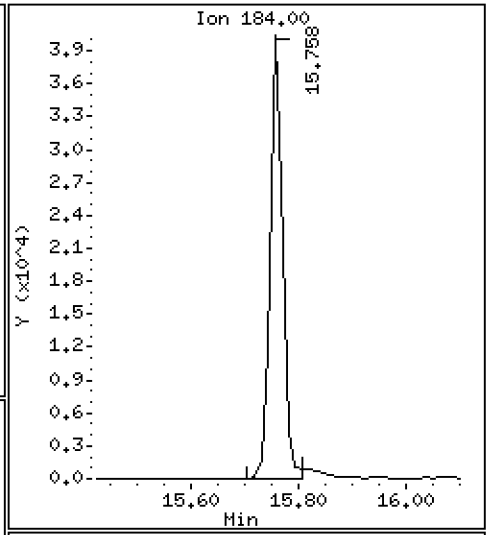
45 2,4-Dinitrophenol

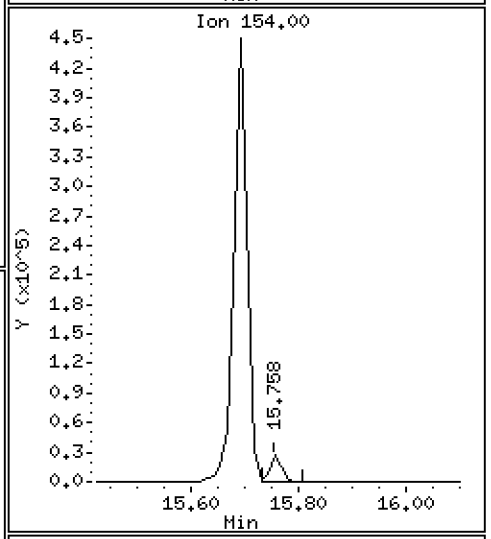
Concentration: 3.268 ug/mL

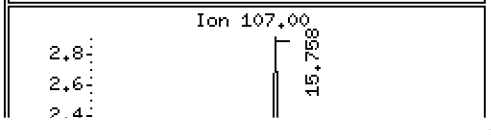












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

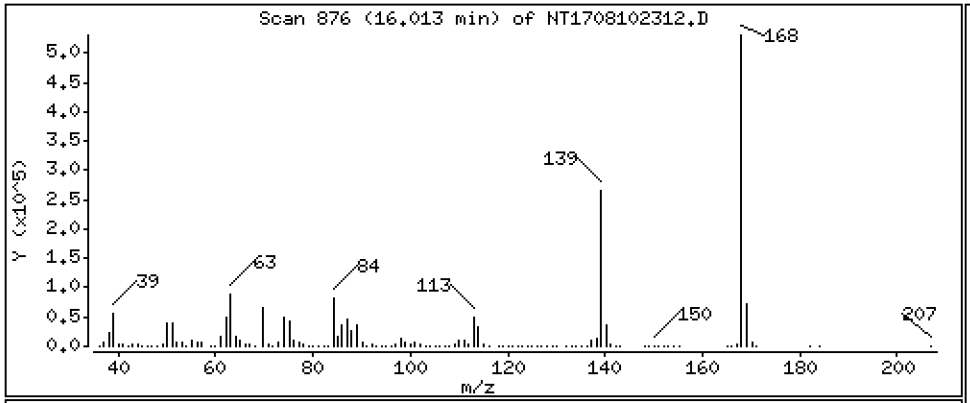
Operator: JGR

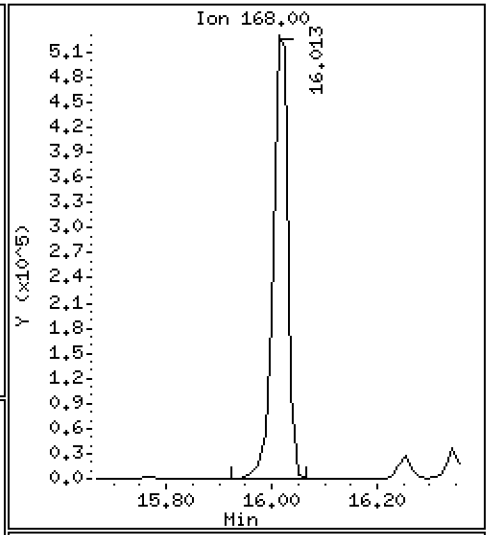
Column phase: ZB-5msi

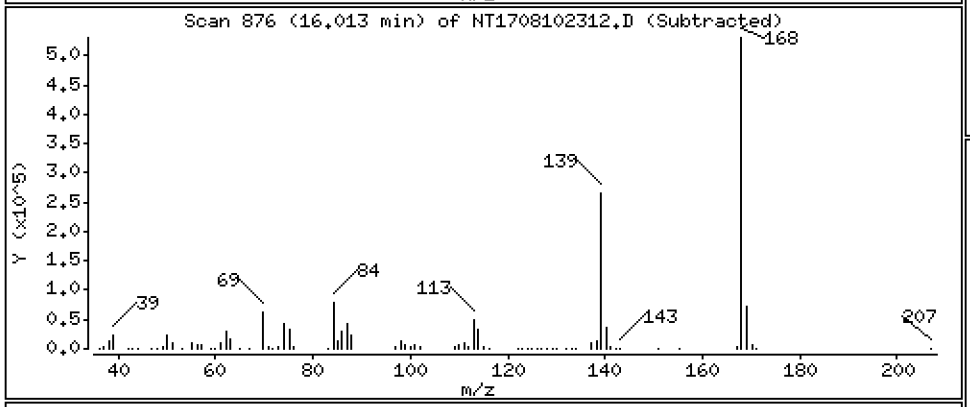
Column diameter: 0.25

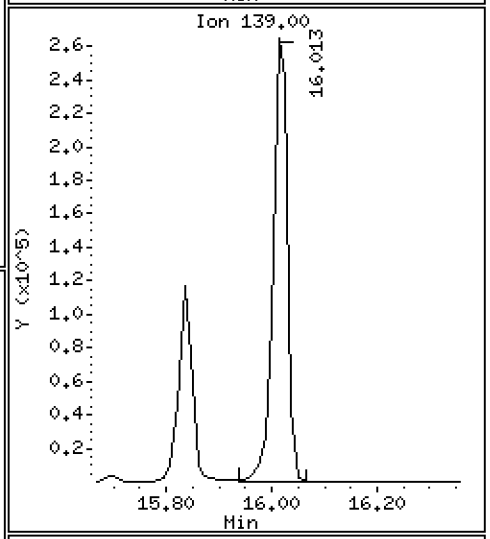
46 Dibenzofuran

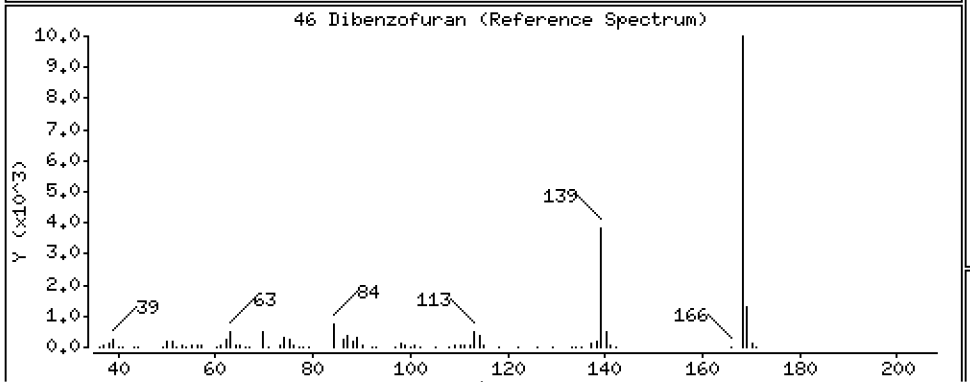
Concentration: 5.407 ug/mL

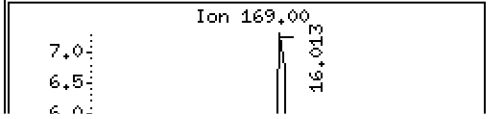












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

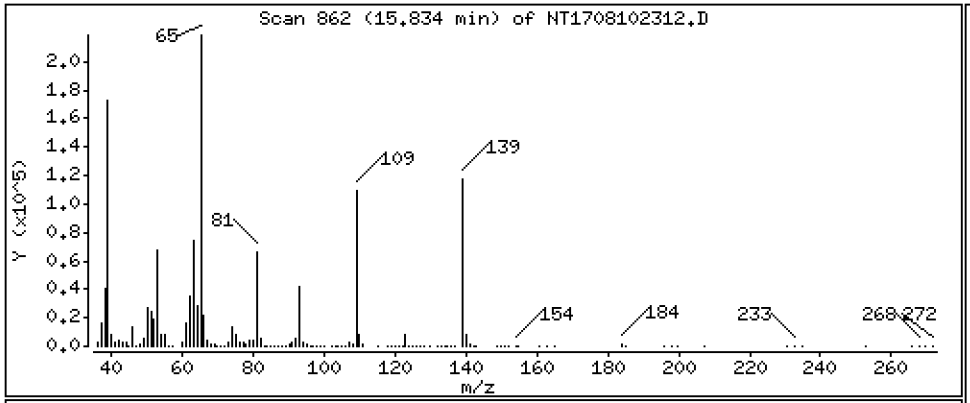
Operator: JGR

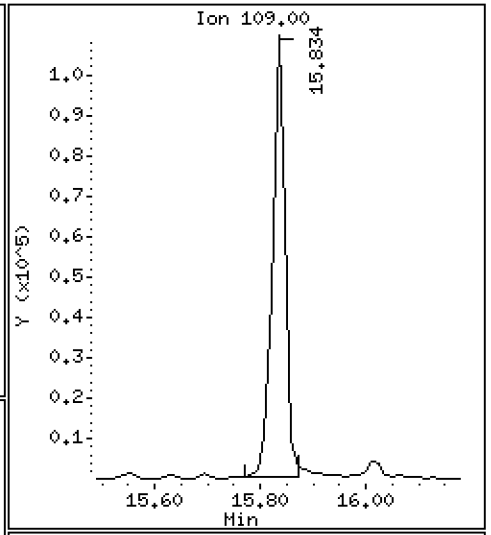
Column phase: ZB-5msi

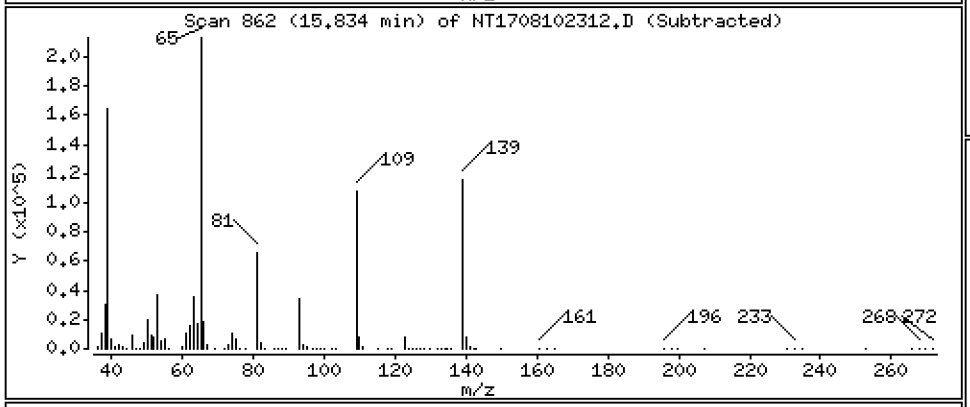
Column diameter: 0.25

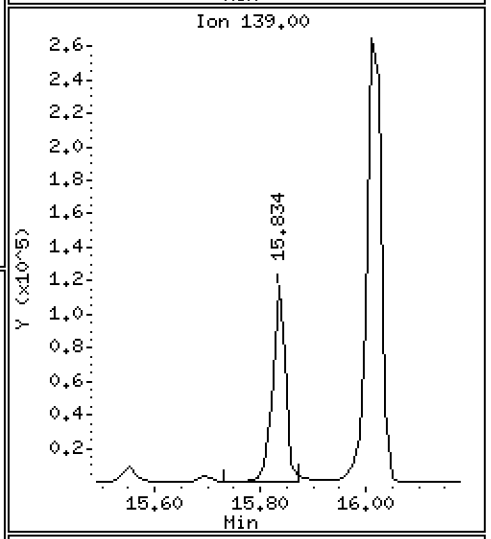
47 4-Nitrophenol

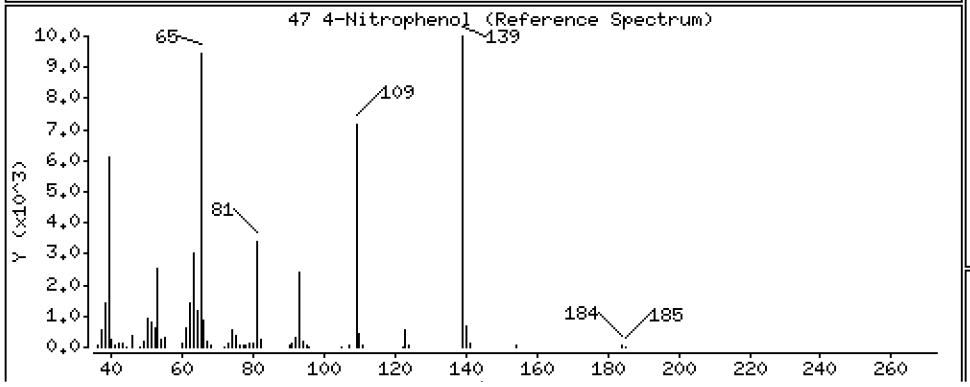
Concentration: 4.556 ug/mL

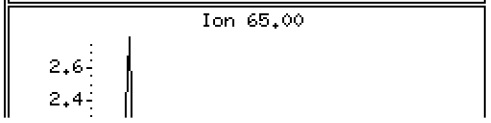












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

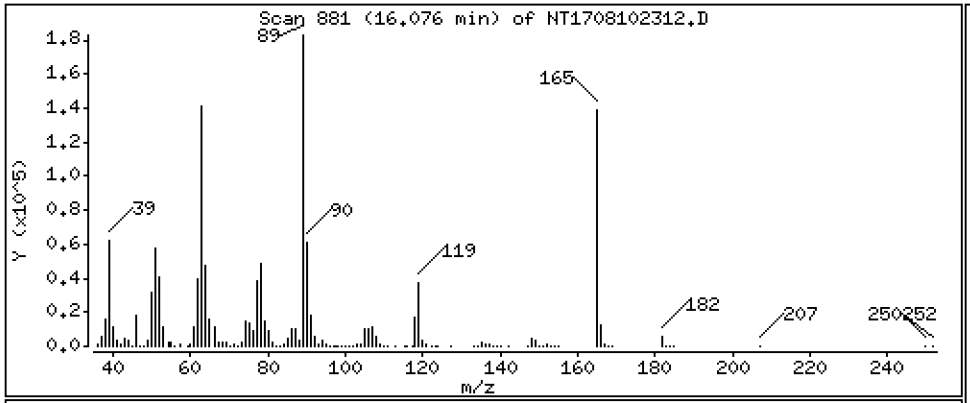
Operator: JGR

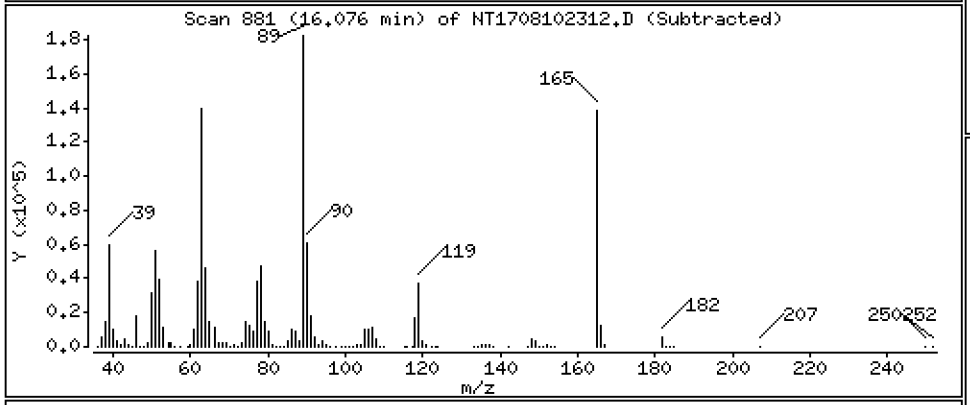
Column phase: ZB-5msi

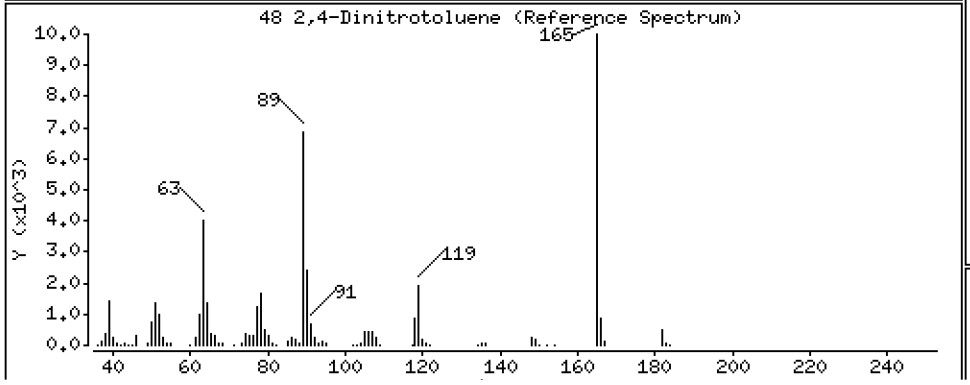
Column diameter: 0.25

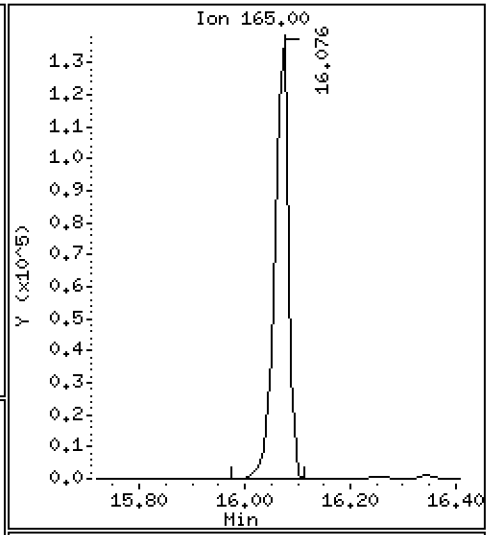
48 2,4-Dinitrotoluene

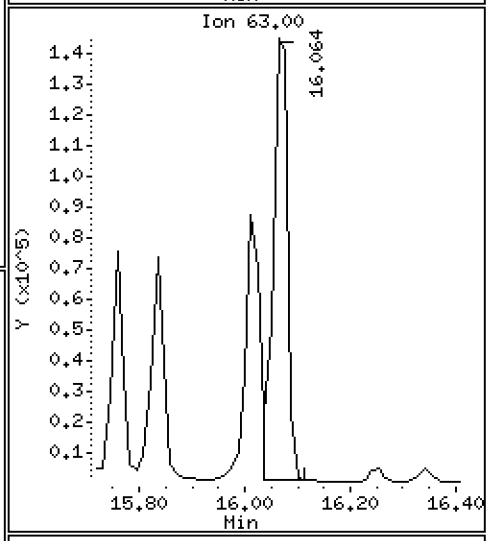
Concentration: 4.762 ug/mL

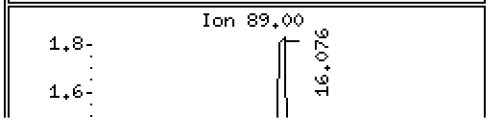












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

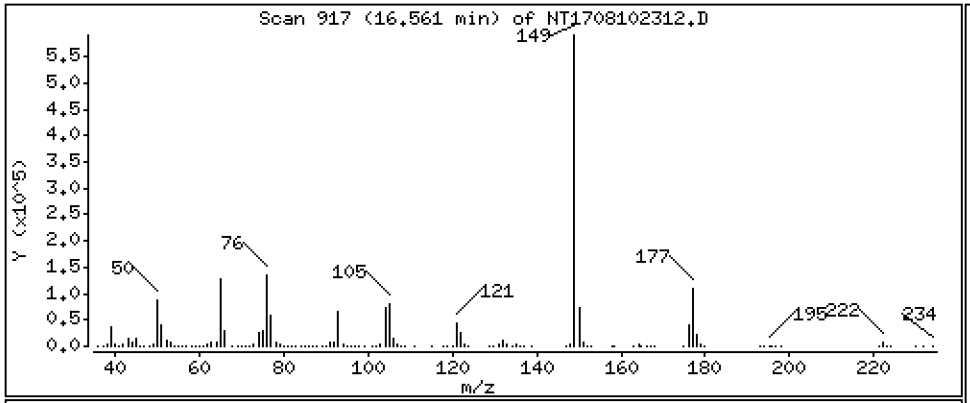
Operator: JGR

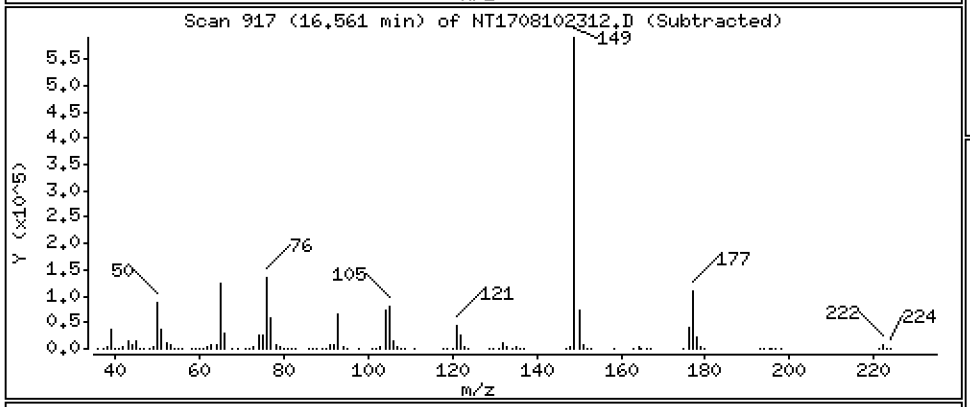
Column phase: ZB-5msi

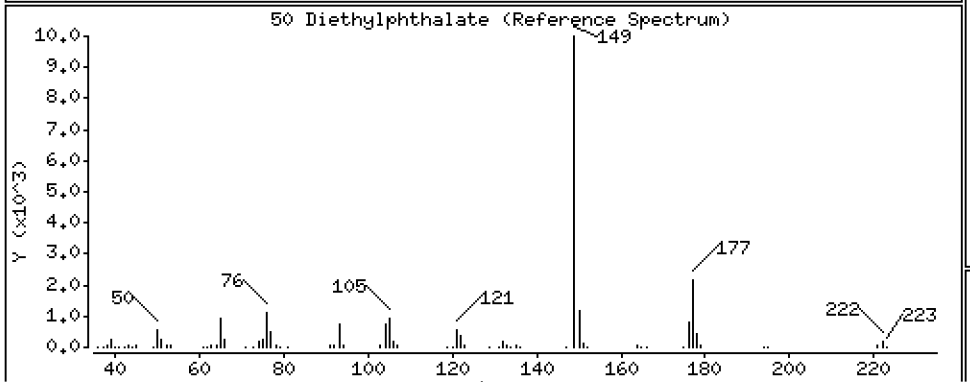
Column diameter: 0.25

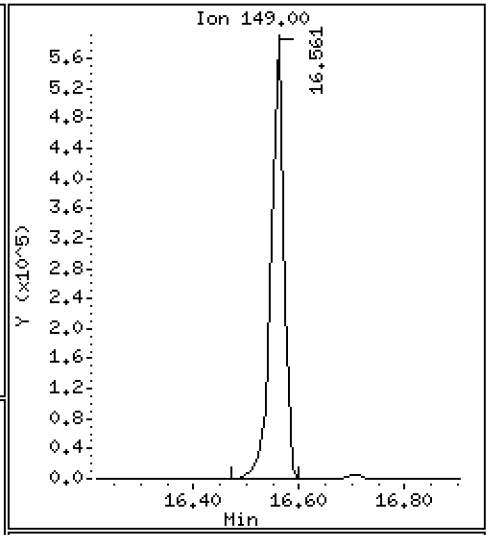
50 Diethylphthalate

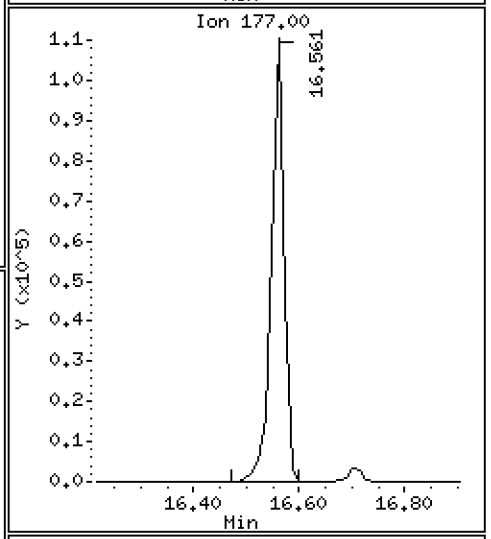
Concentration: 4.848 ug/mL

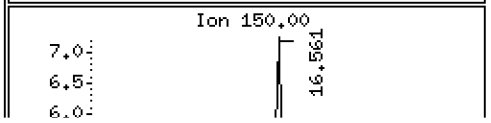












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

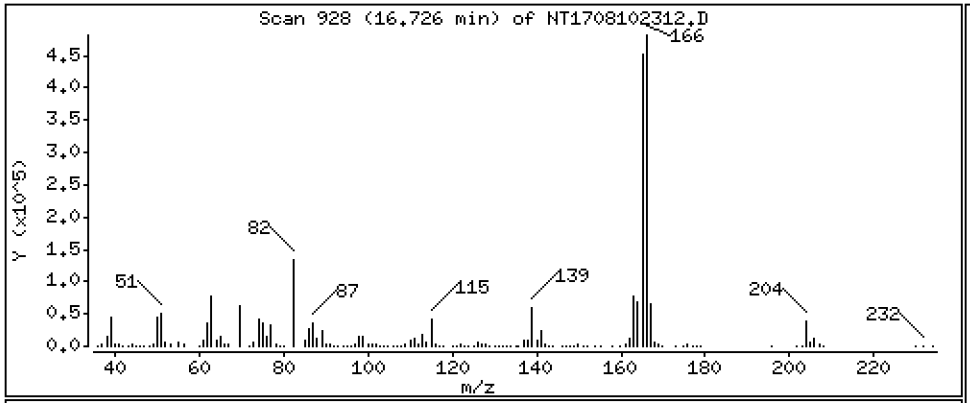
Operator: JGR

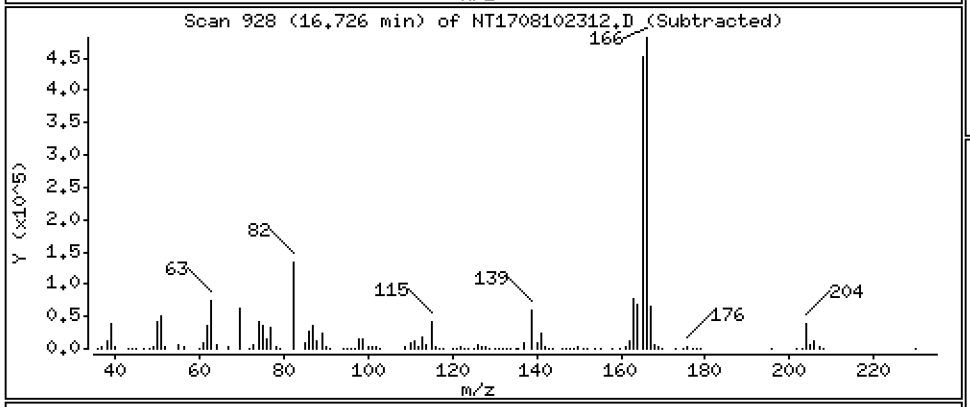
Column phase: ZB-5msi

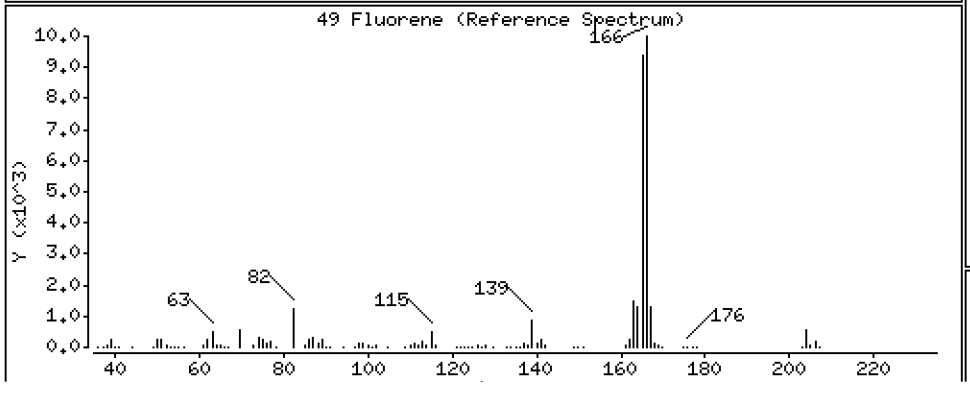
Column diameter: 0.25

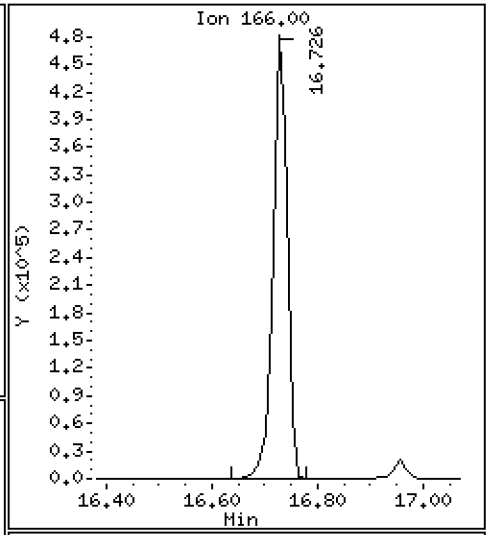
49 Fluorene

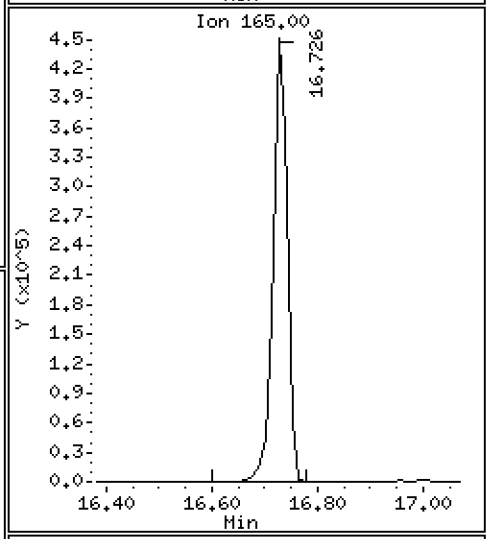
Concentration: 5.565 ug/mL

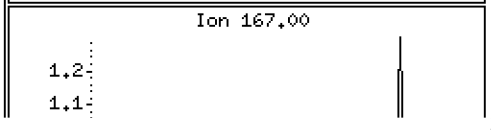












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

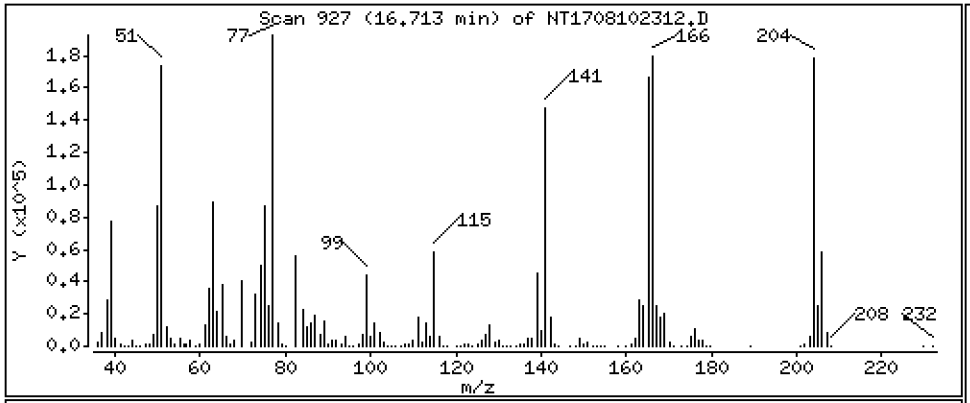
Operator: JGR

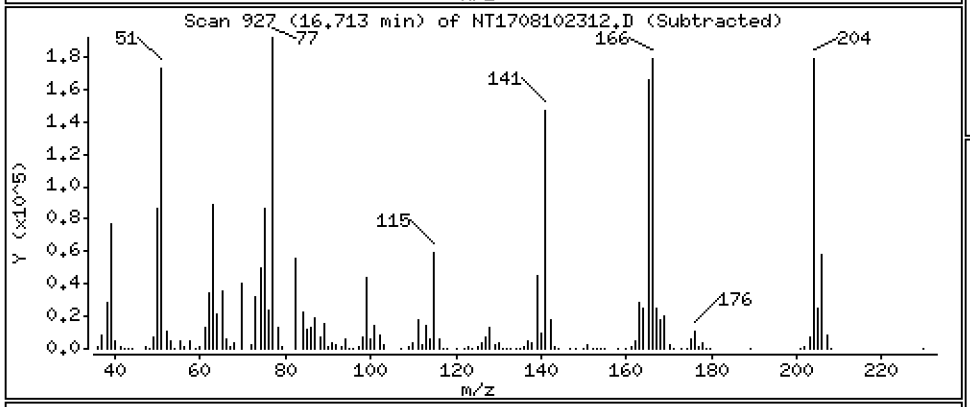
Column phase: ZB-5msi

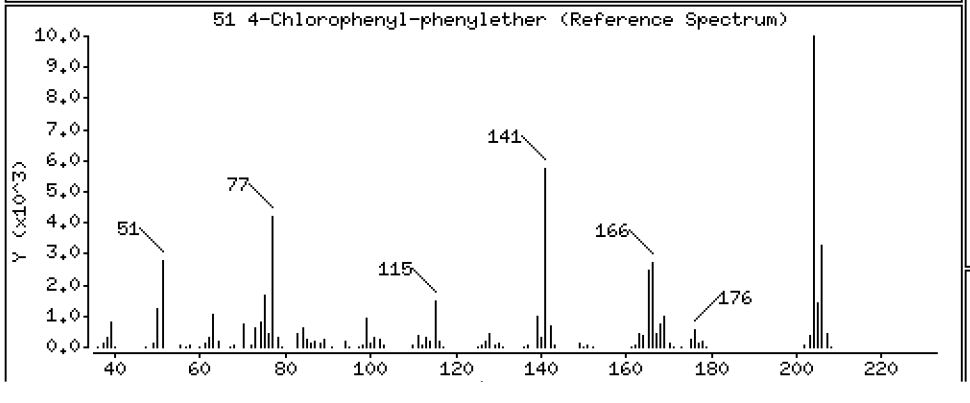
Column diameter: 0.25

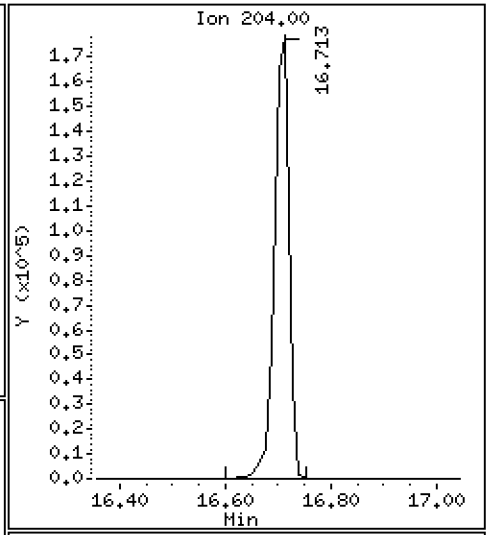
51 4-Chlorophenyl-phenylether

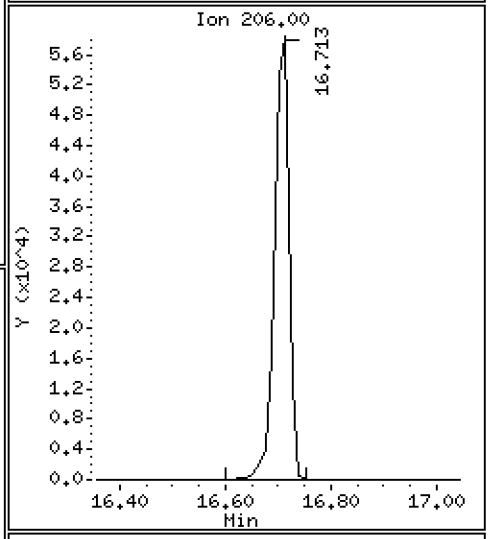
Concentration: 5.720 ug/mL

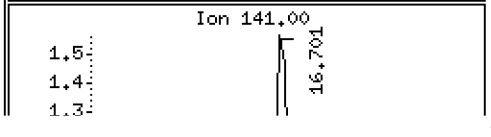












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

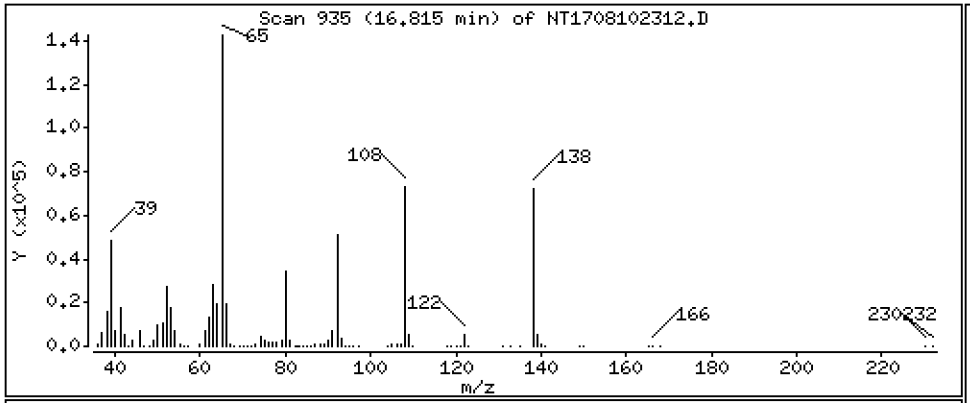
Operator: JGR

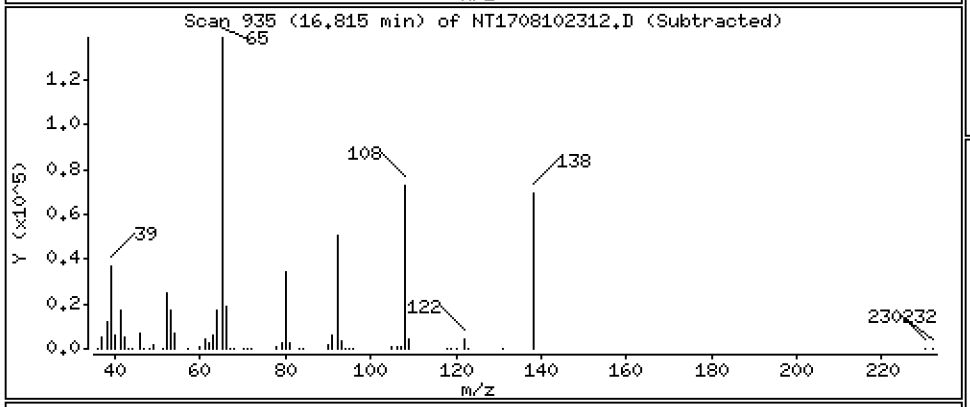
Column phase: ZB-5msi

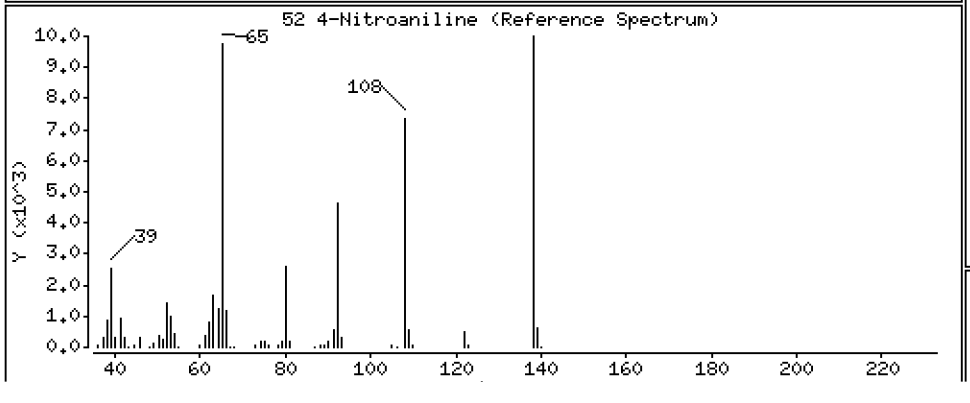
Column diameter: 0.25

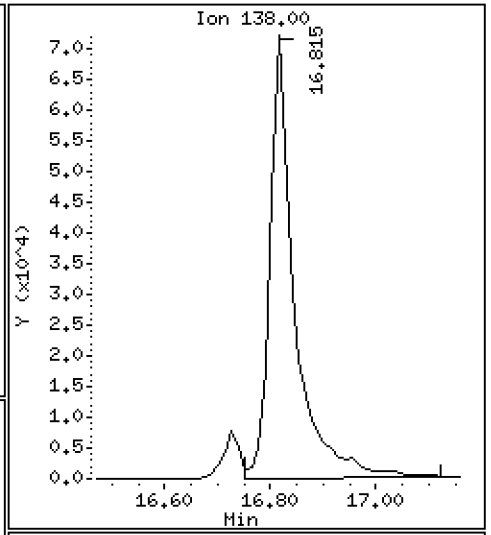
52 4-Nitroaniline

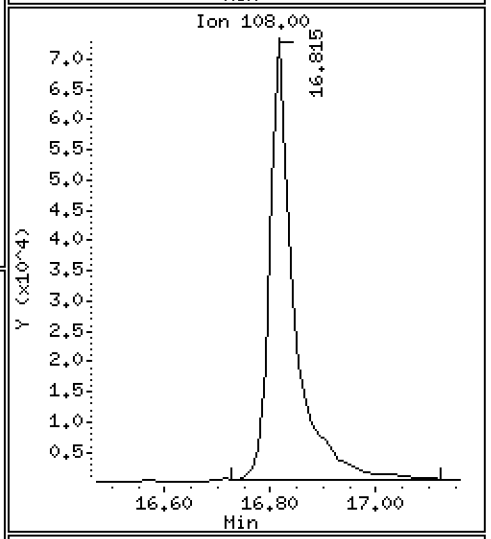
Concentration: 5.127 ug/mL

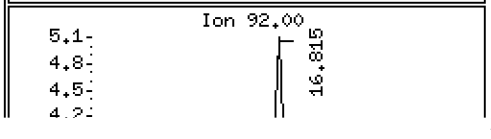












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

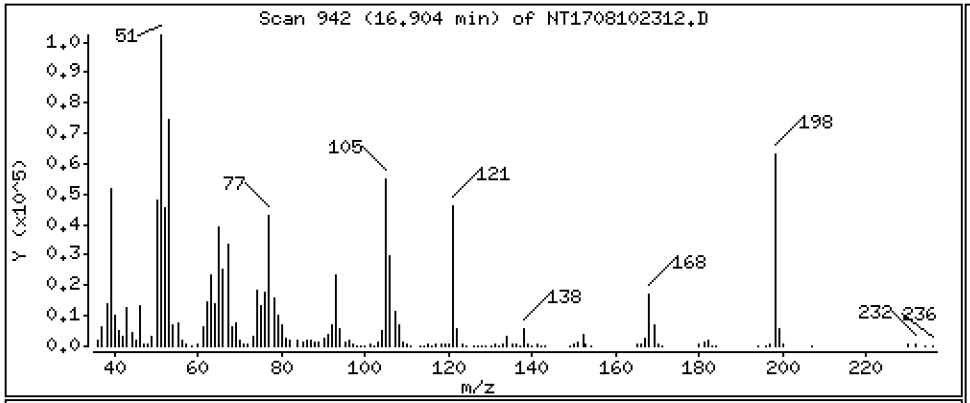
Operator: JGR

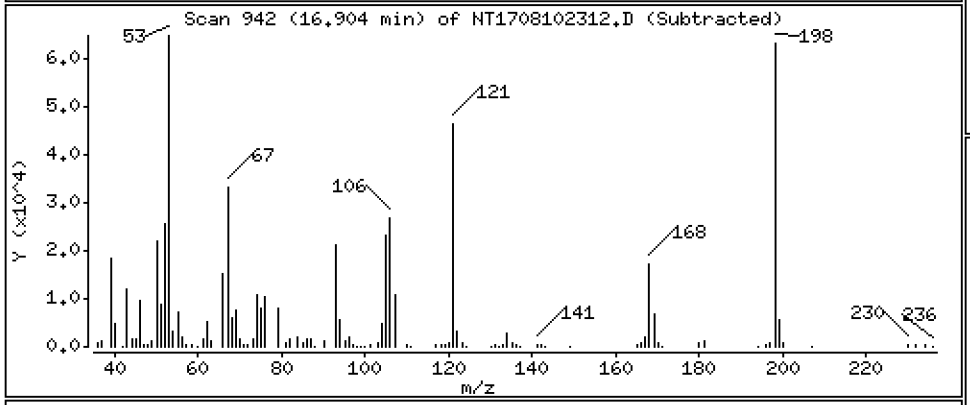
Column phase: ZB-5msi

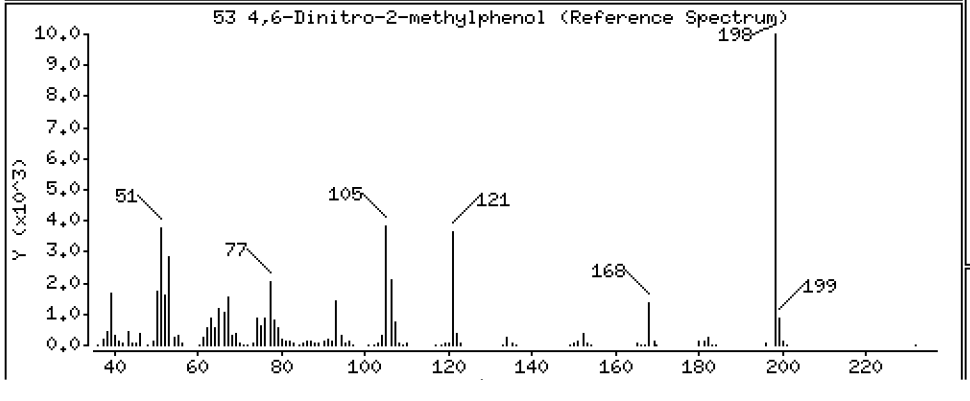
Column diameter: 0.25

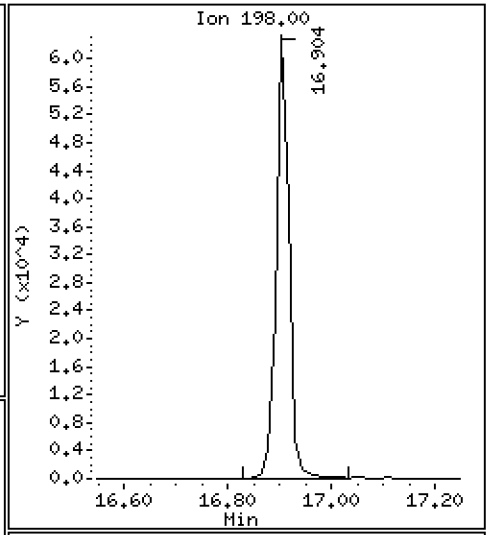
53 4,6-Dinitro-2-methylphenol

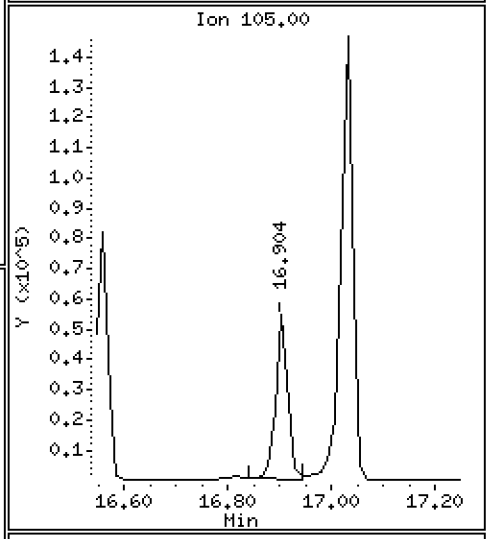
Concentration: 3.719 ug/mL

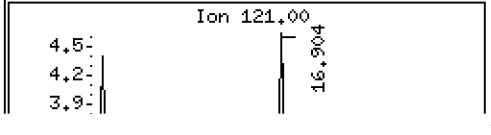












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

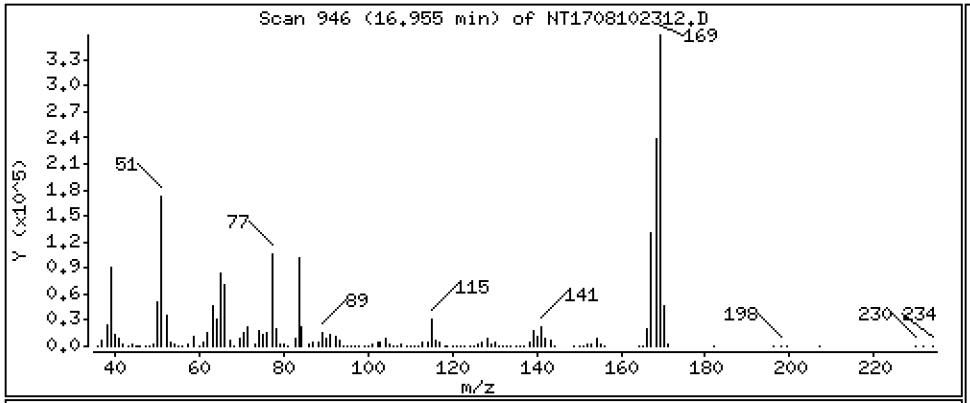
Operator: JGR

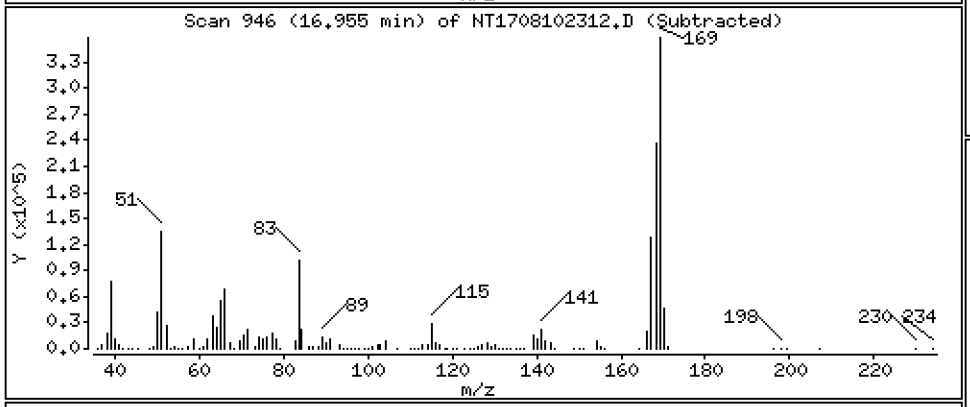
Column phase: ZB-5msi

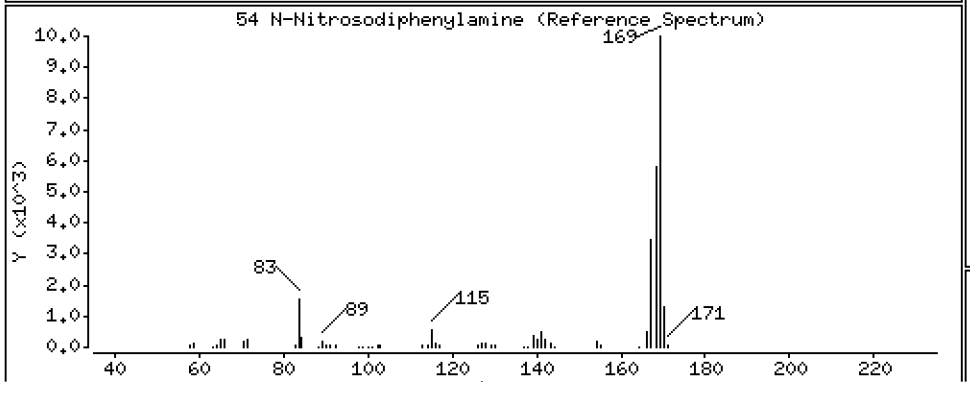
Column diameter: 0.25

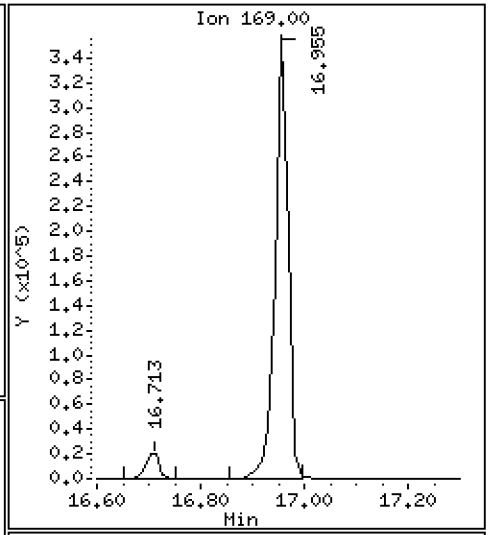
54 N-Nitrosodiphenylamine

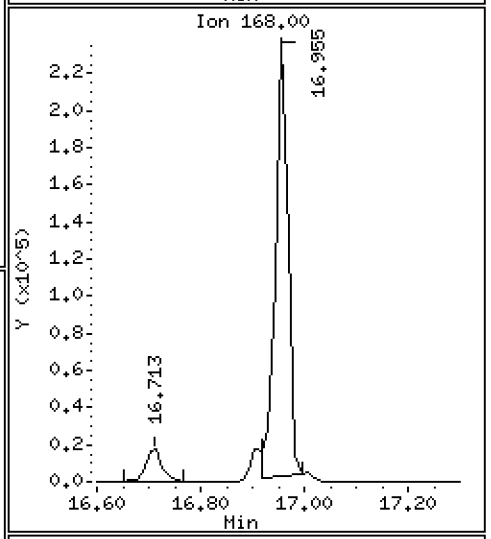
Concentration: 5.252 ug/mL

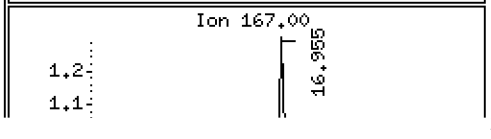












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

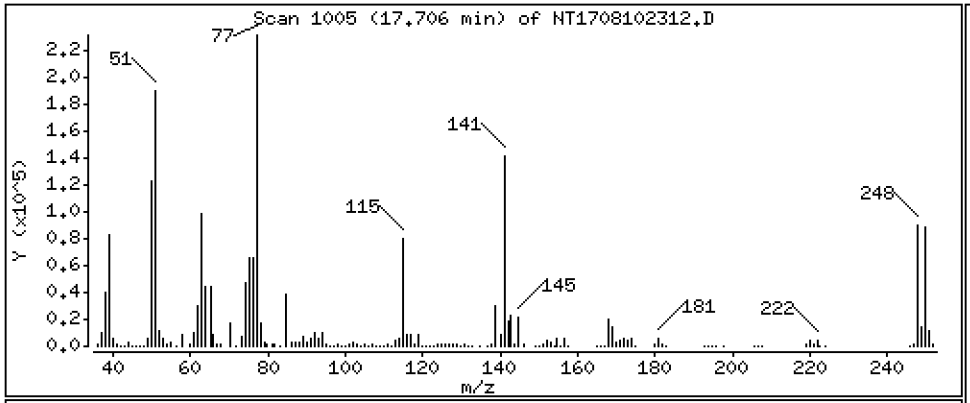
Operator: JGR

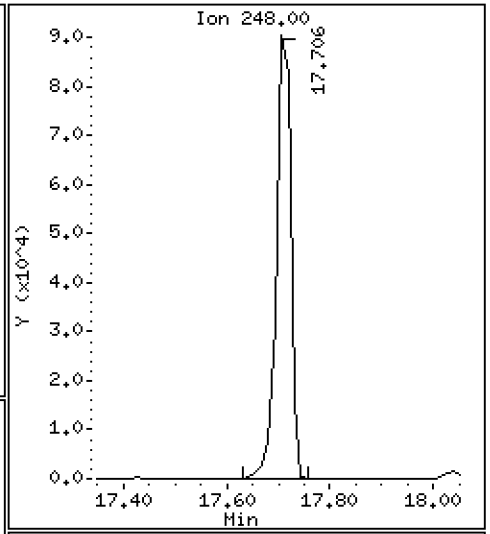
Column phase: ZB-5msi

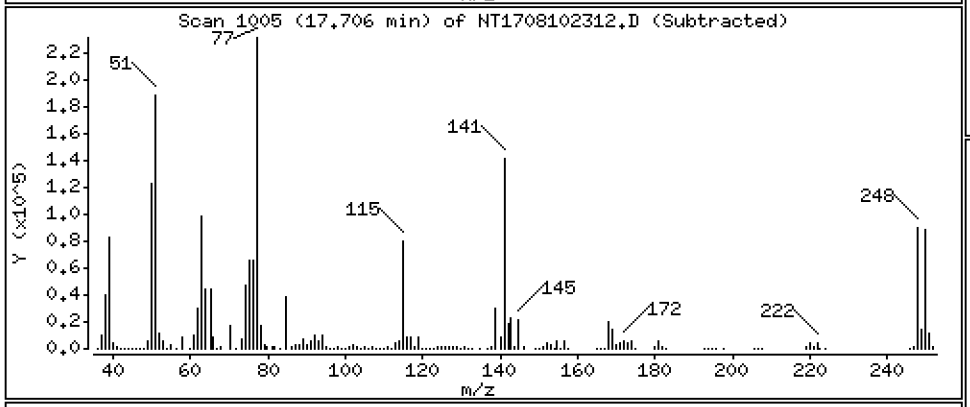
Column diameter: 0.25

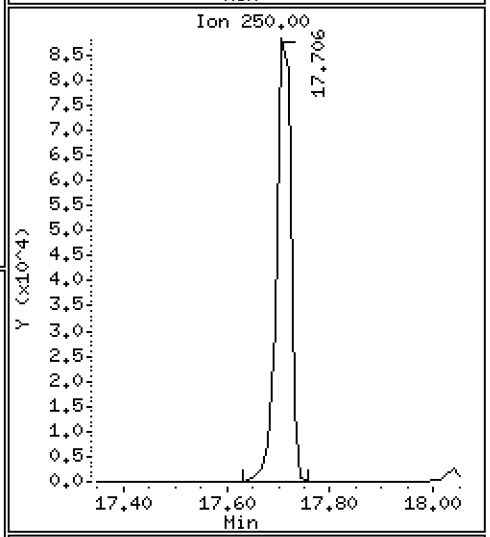
56 4-Bromophenyl-phenylether

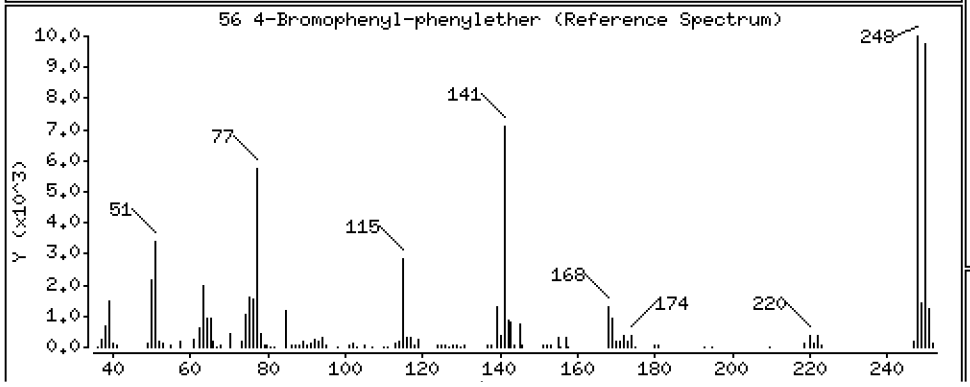
Concentration: 5.566 ug/mL

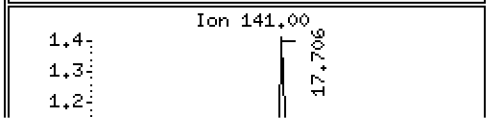












Data File: \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

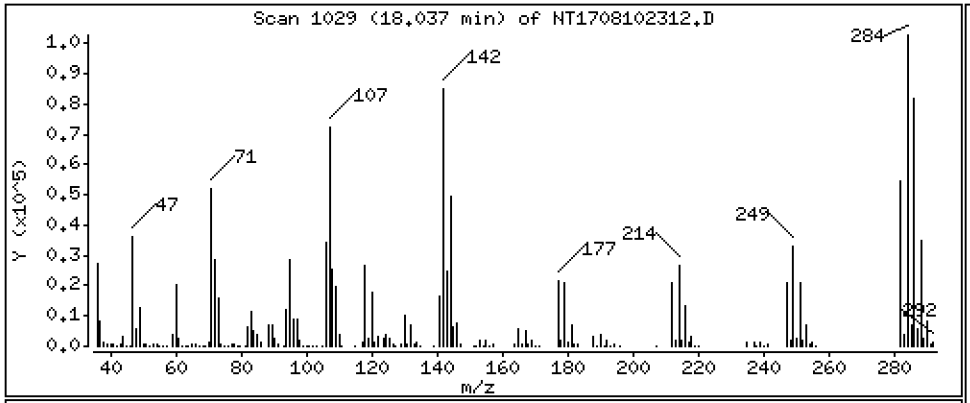
Operator: JGR

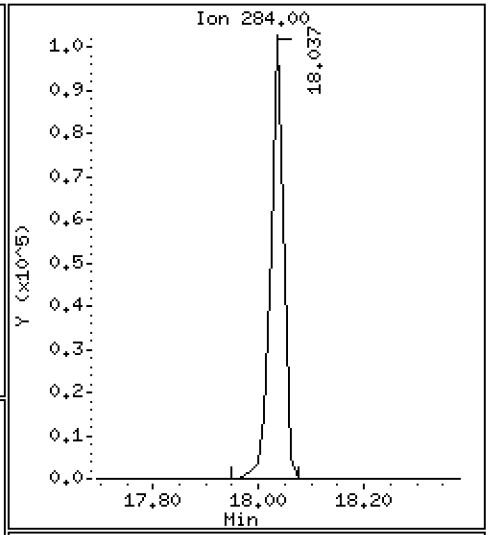
Column phase: ZB-5msi

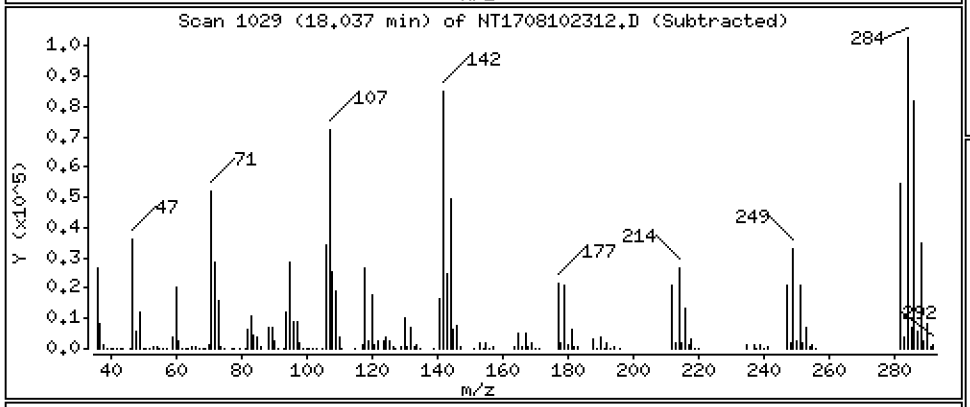
Column diameter: 0.25

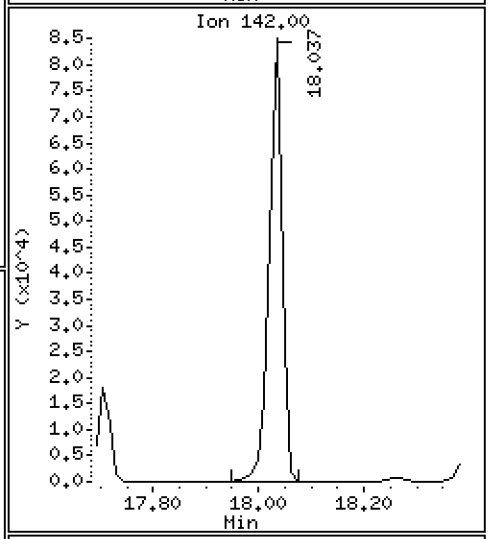
57 Hexachlorobenzene

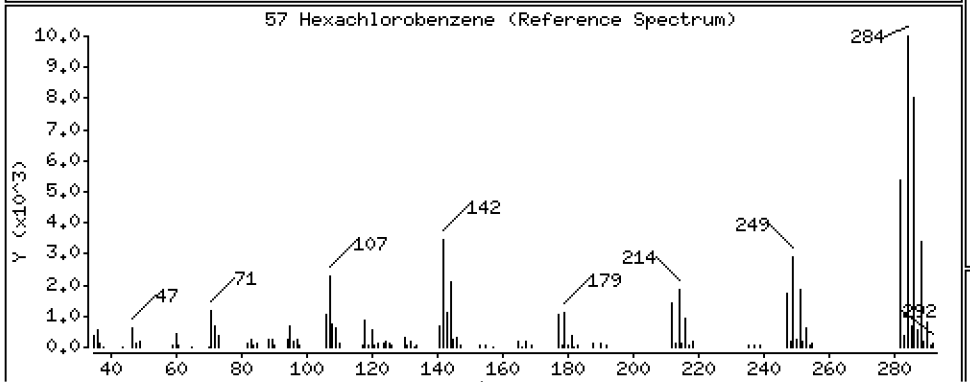
Concentration: 4.986 ug/mL

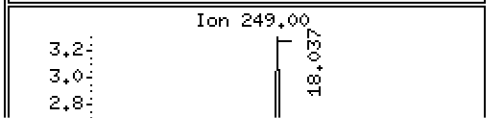












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

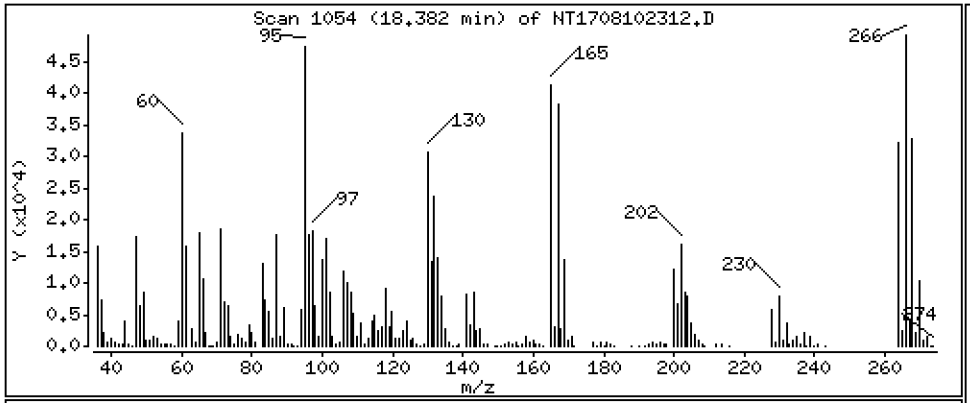
Operator: JGR

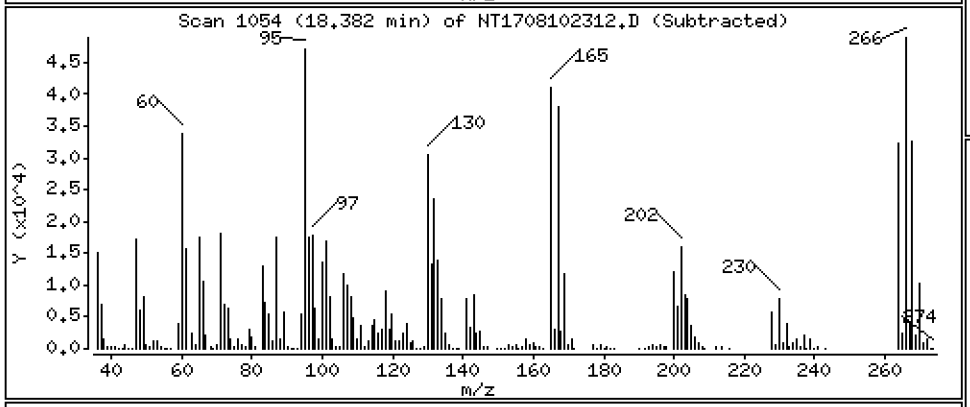
Column phase: ZB-5msi

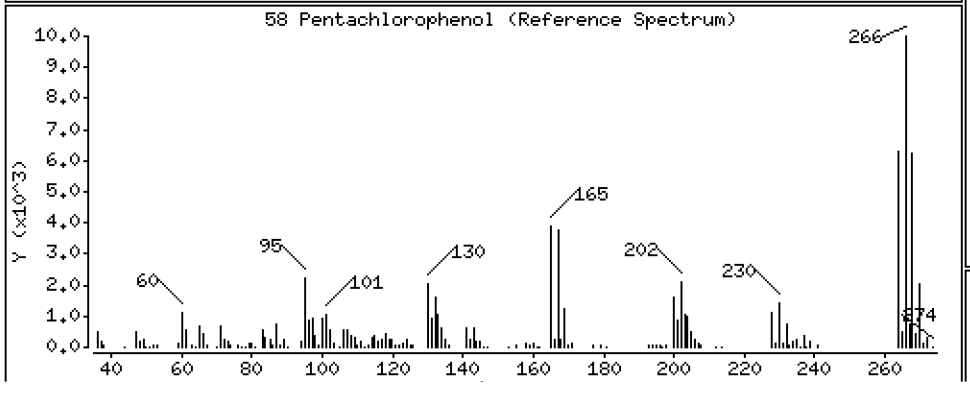
Column diameter: 0.25

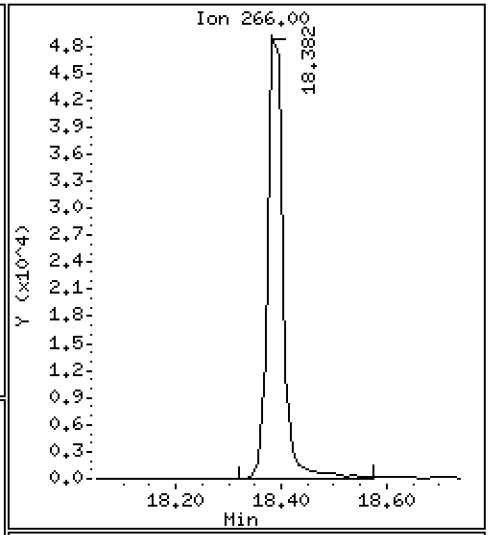
58 Pentachlorophenol

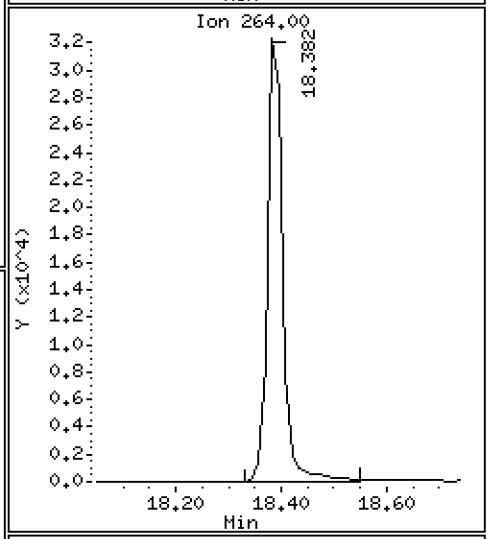
Concentration: 4.903 ug/mL

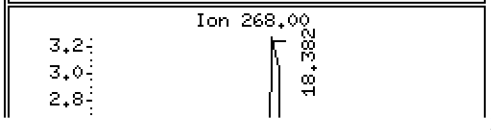












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

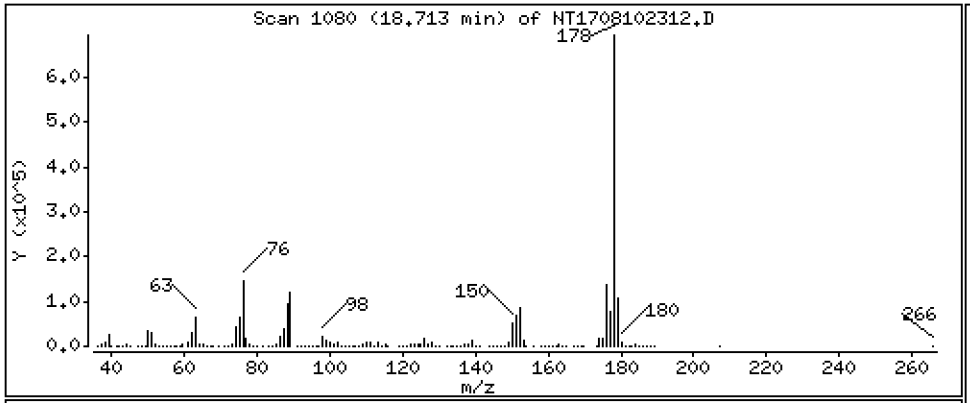
Operator: JGR

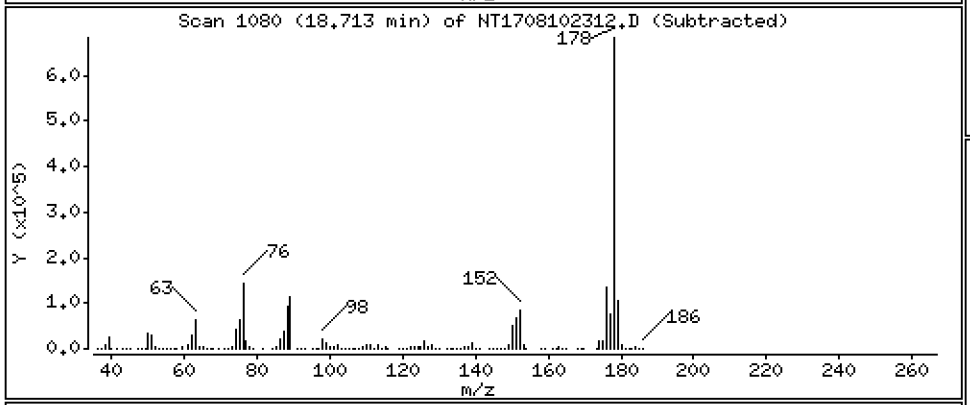
Column phase: ZB-5msi

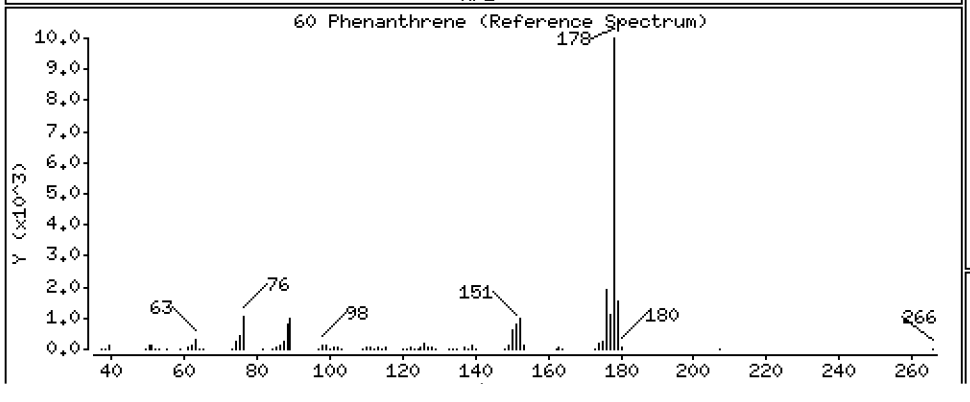
Column diameter: 0.25

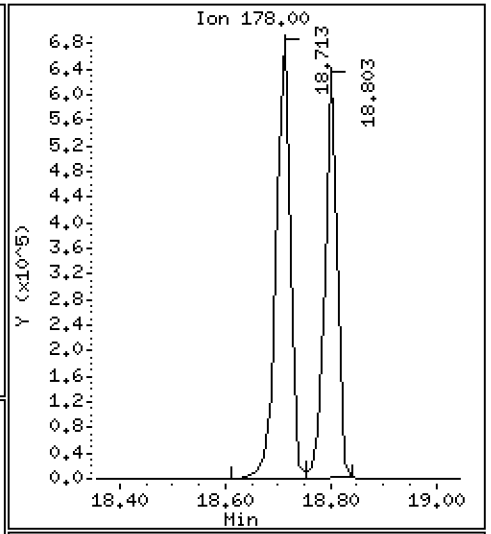
60 Phenanthrene

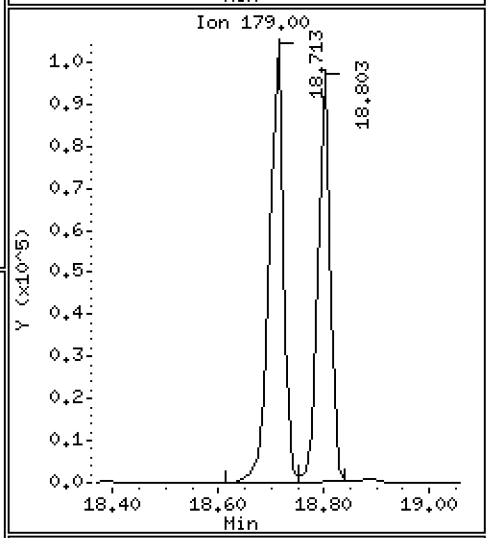
Concentration: 5.484 ug/mL

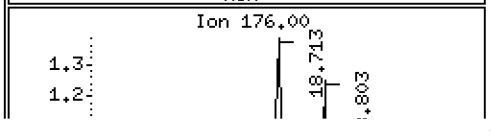












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

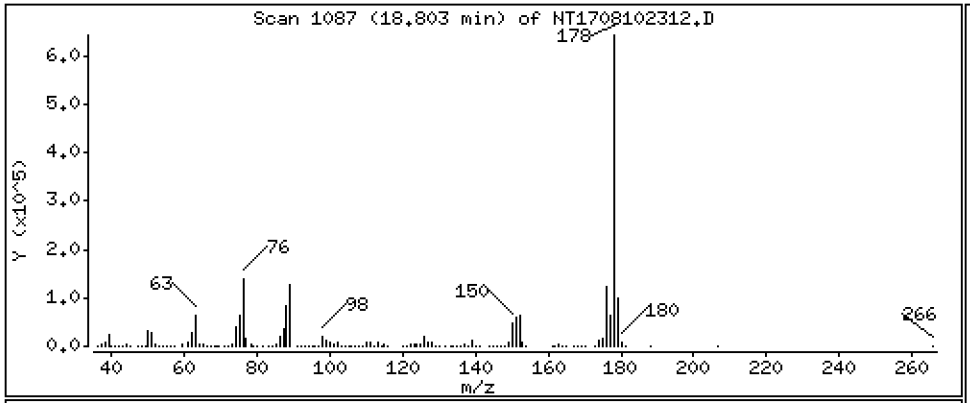
Operator: JGR

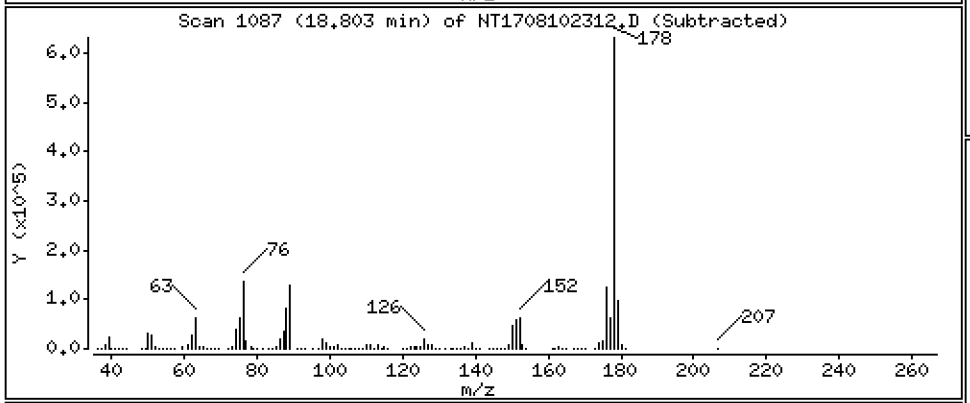
Column phase: ZB-5msi

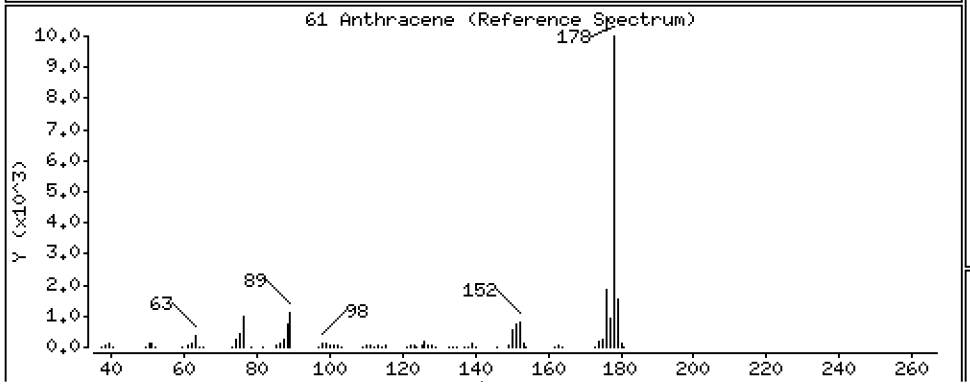
Column diameter: 0.25

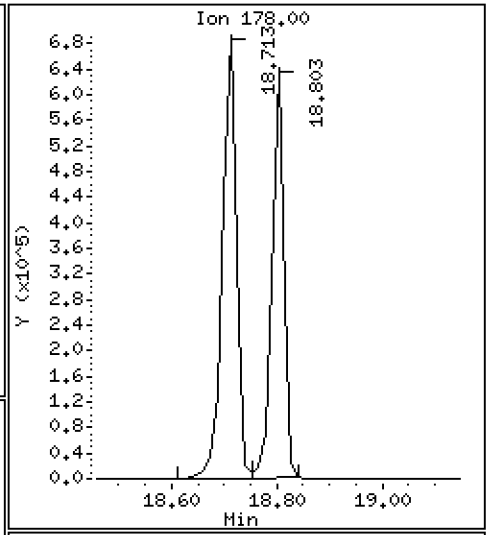
61 Anthracene

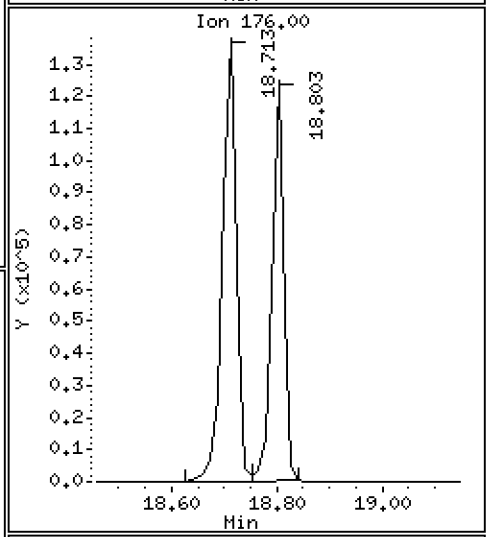
Concentration: 5.192 ug/mL

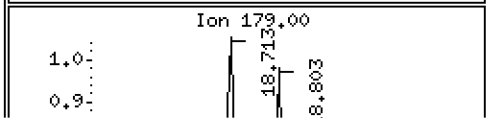












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

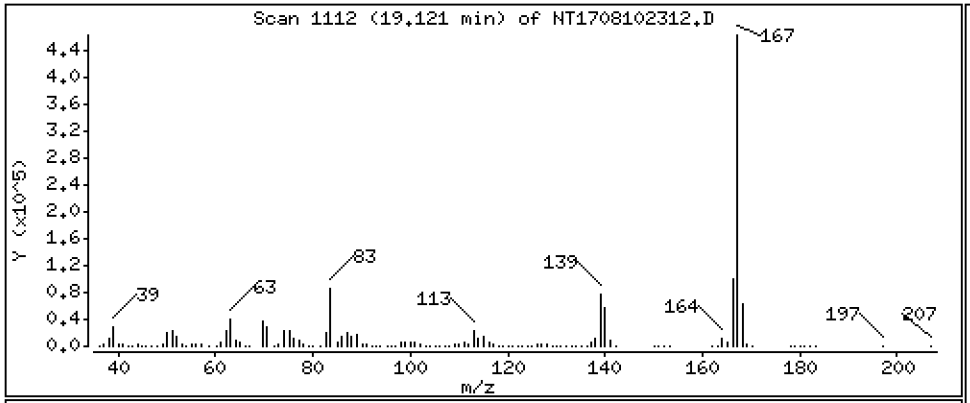
Operator: JGR

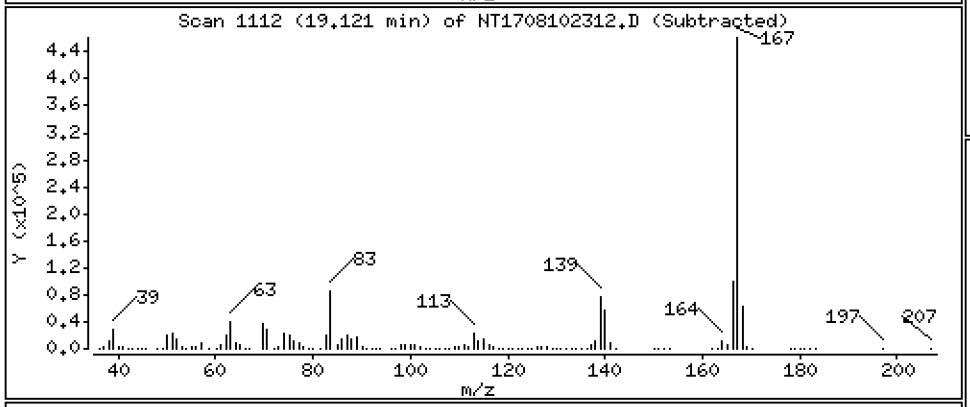
Column phase: ZB-5msi

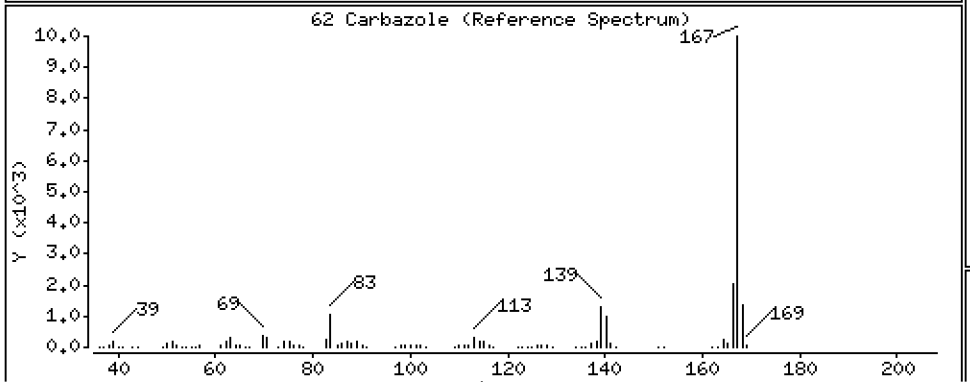
Column diameter: 0.25

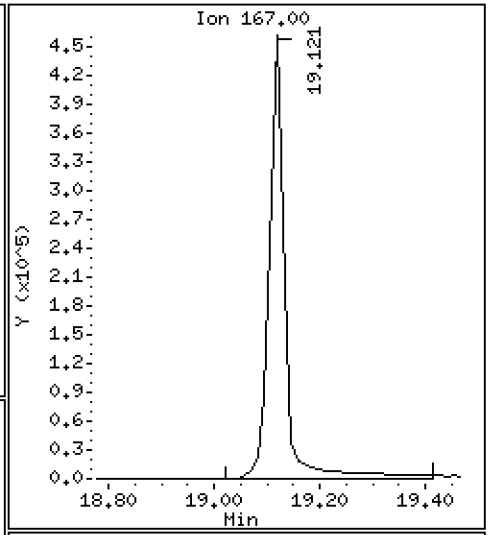
62 Carbazole

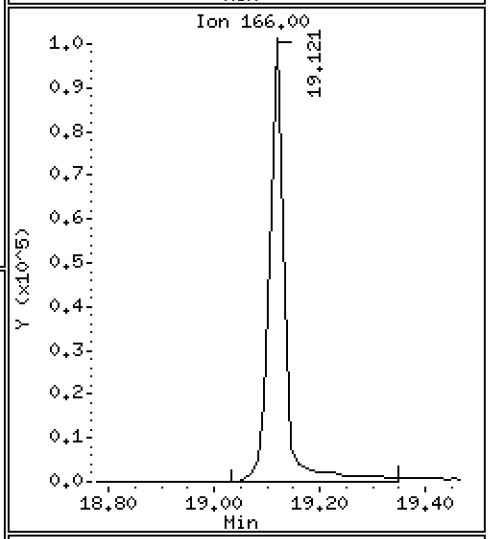
Concentration: 4.708 ug/mL

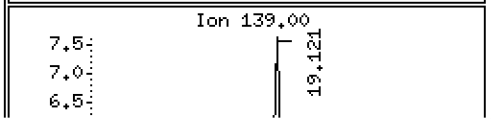












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

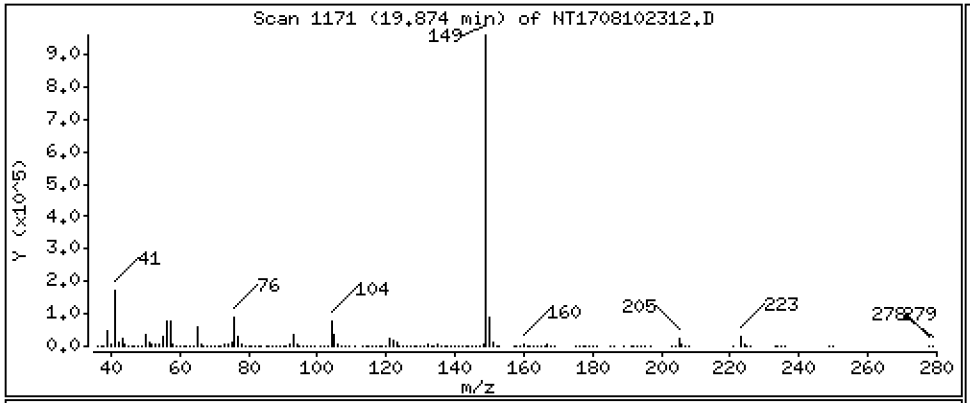
Operator: JGR

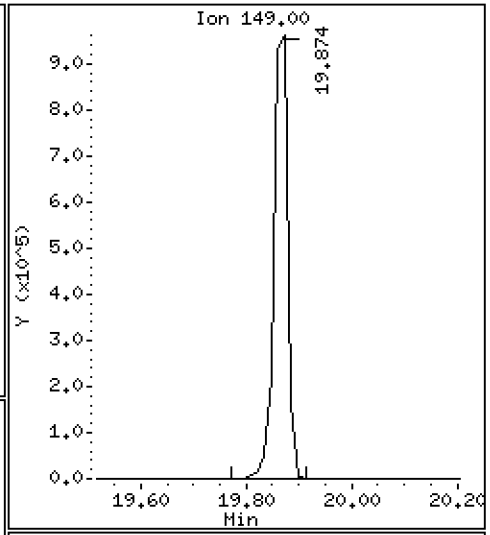
Column phase: ZB-5msi

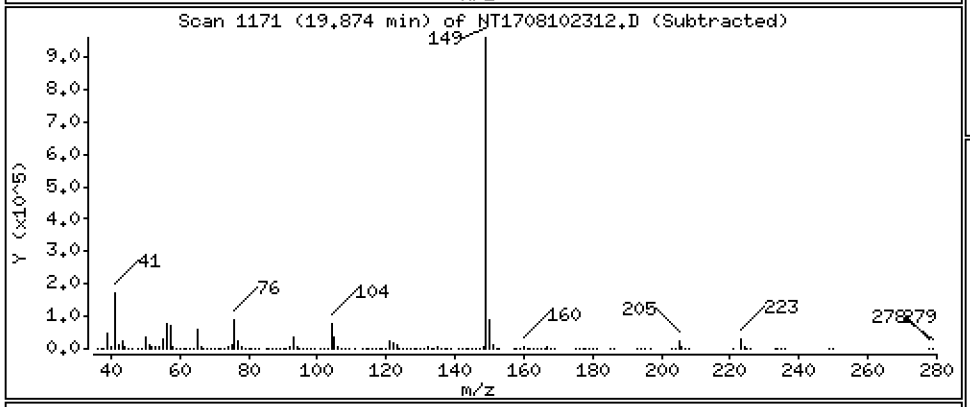
Column diameter: 0.25

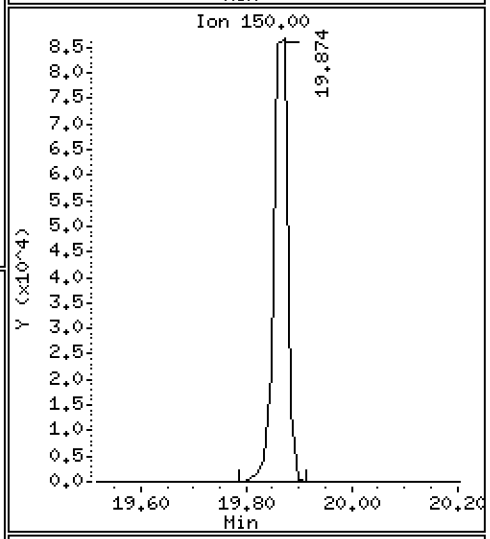
63 Di-n-butylphthalate

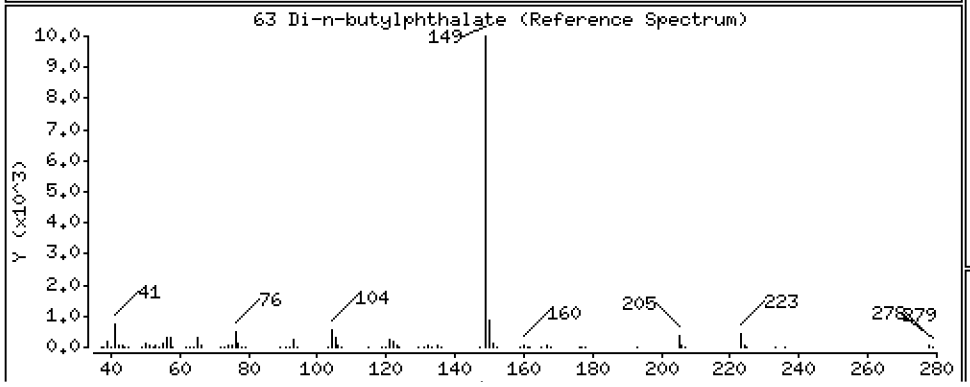
Concentration: 4.886 ug/mL

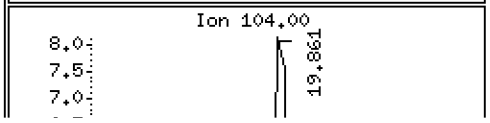












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

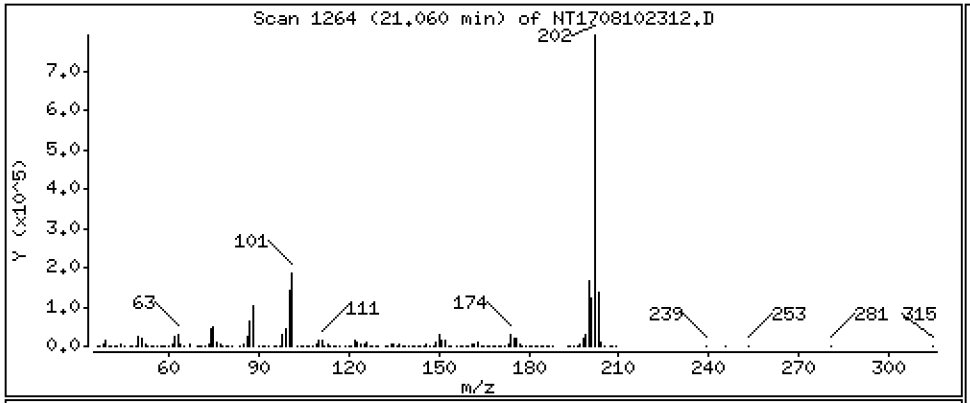
Operator: JGR

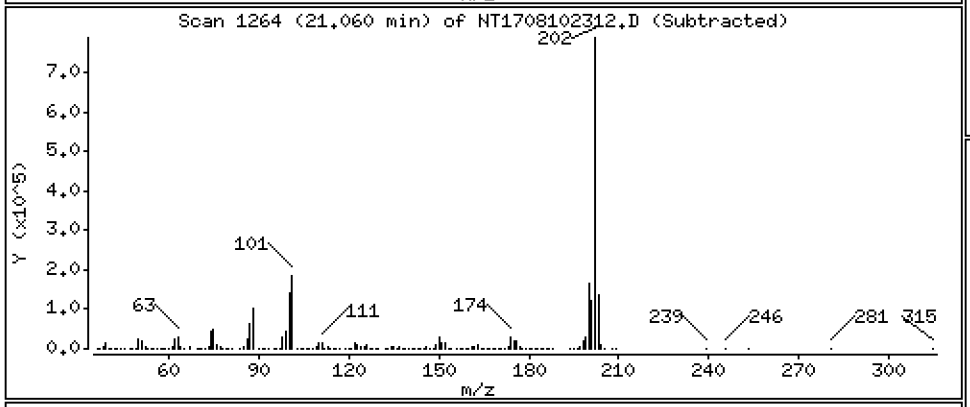
Column phase: ZB-5msi

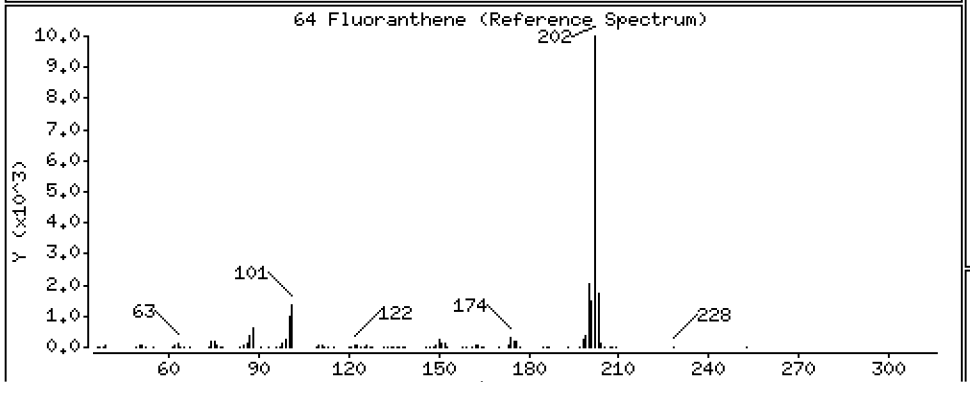
Column diameter: 0.25

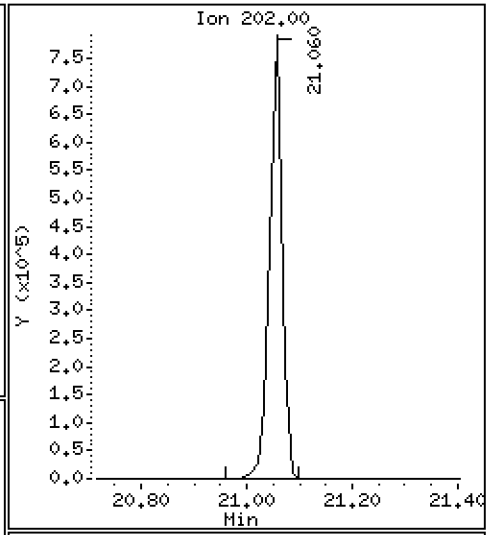
64 Fluoranthene

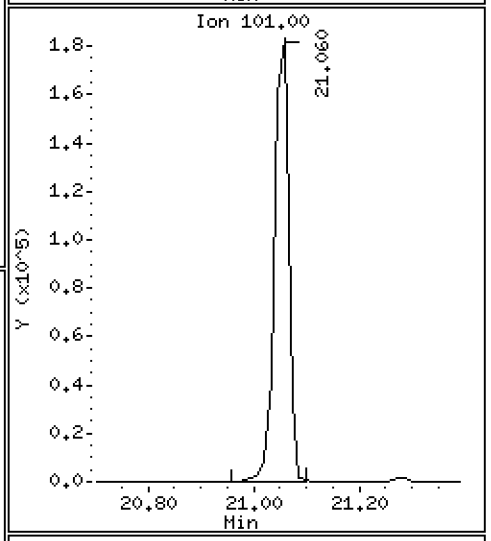
Concentration: 6.141 ug/mL

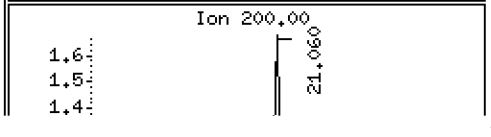












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

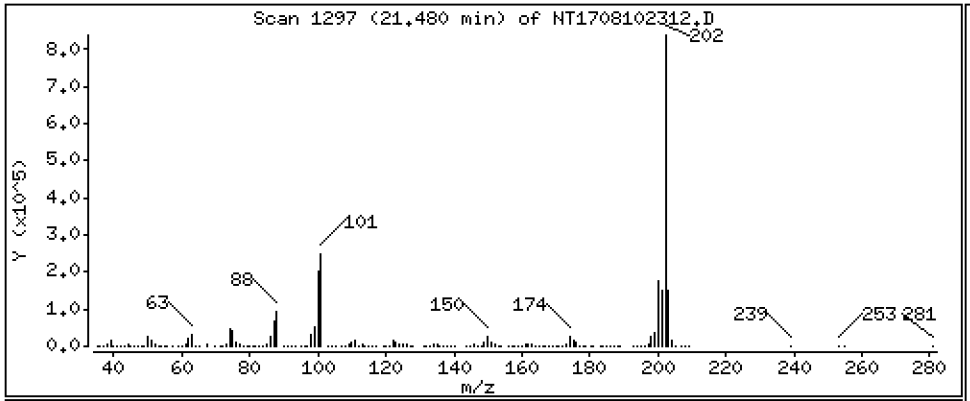
Operator: JGR

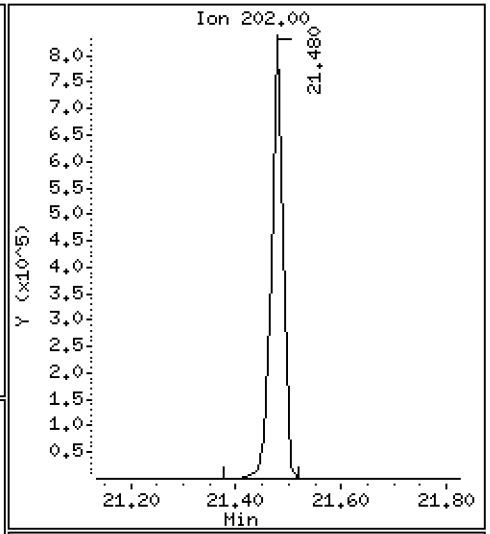
Column phase: ZB-5msi

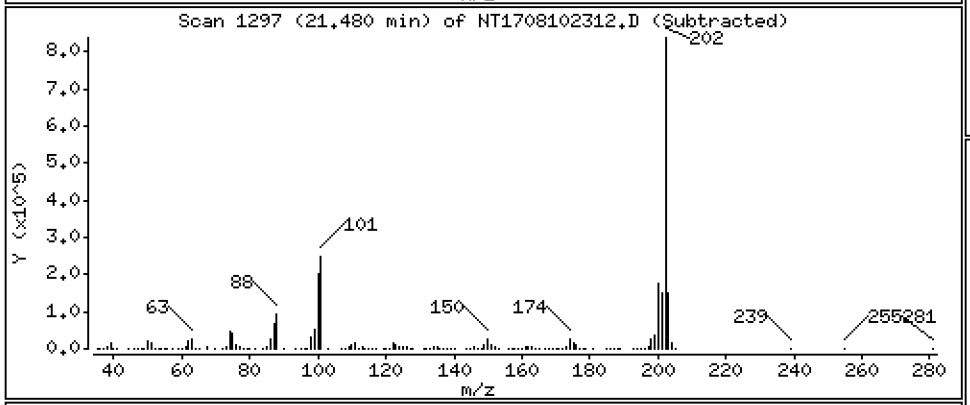
Column diameter: 0.25

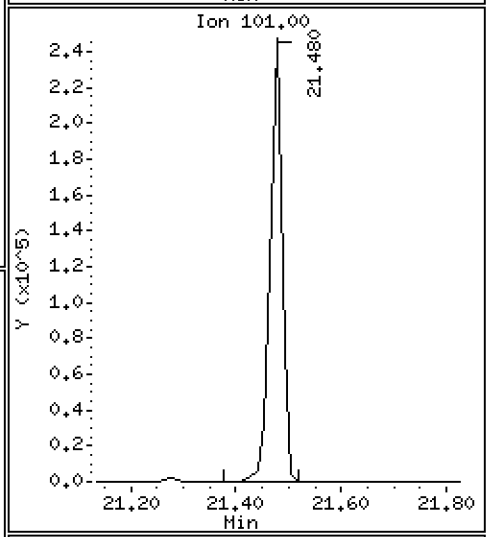
65 Pyrene

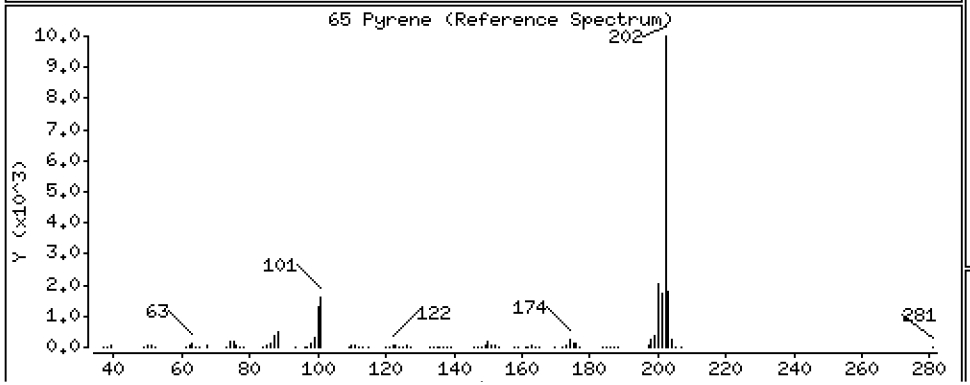
Concentration: 5.873 ug/mL

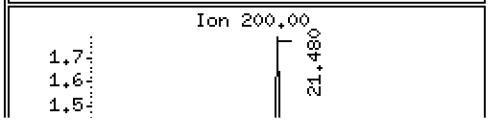












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

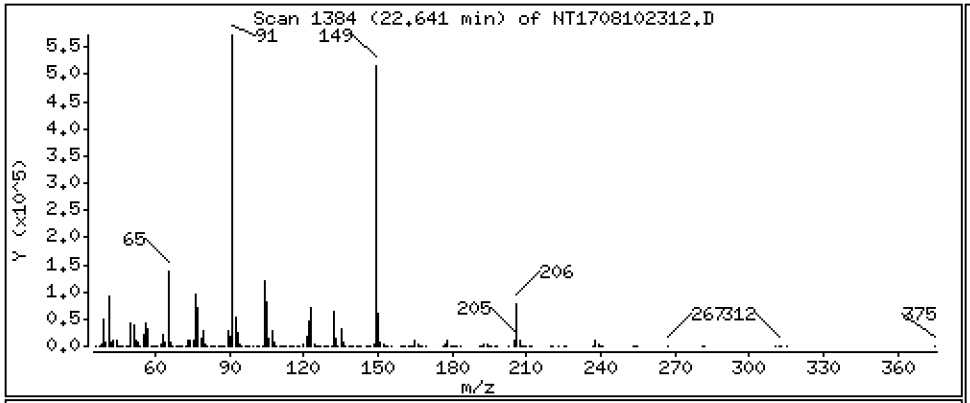
Operator: JGR

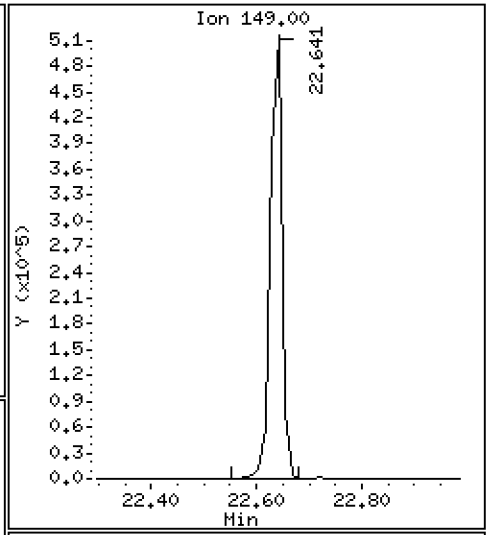
Column phase: ZB-5msi

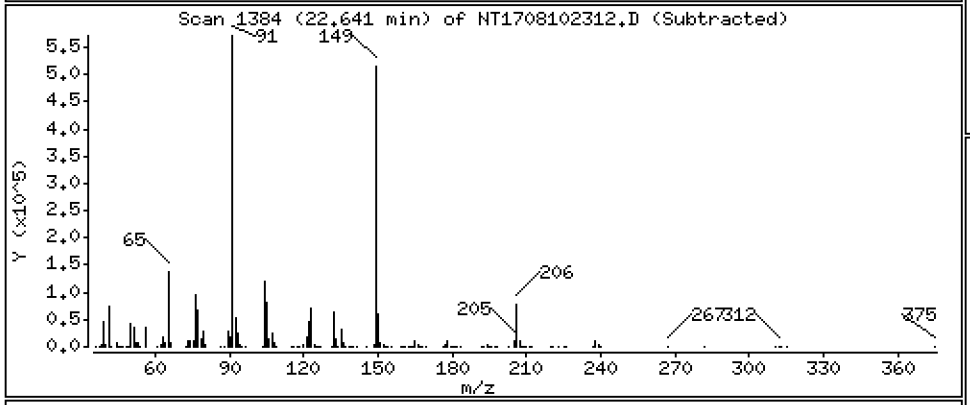
Column diameter: 0.25

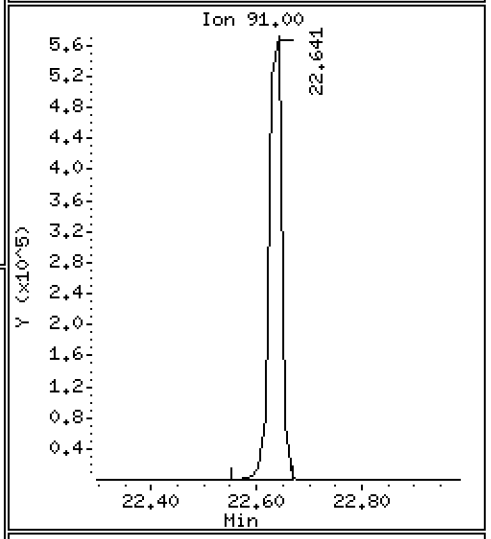
67 Butylbenzylphthalate

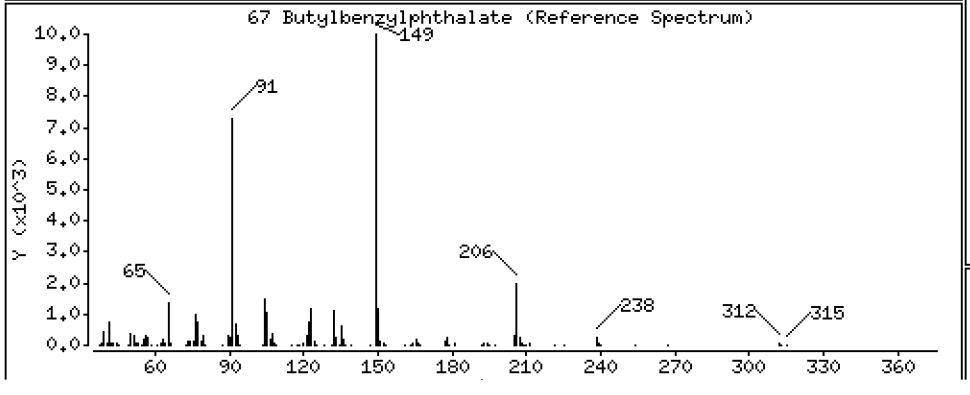
Concentration: 5.346 ug/mL

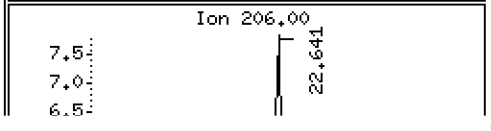












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

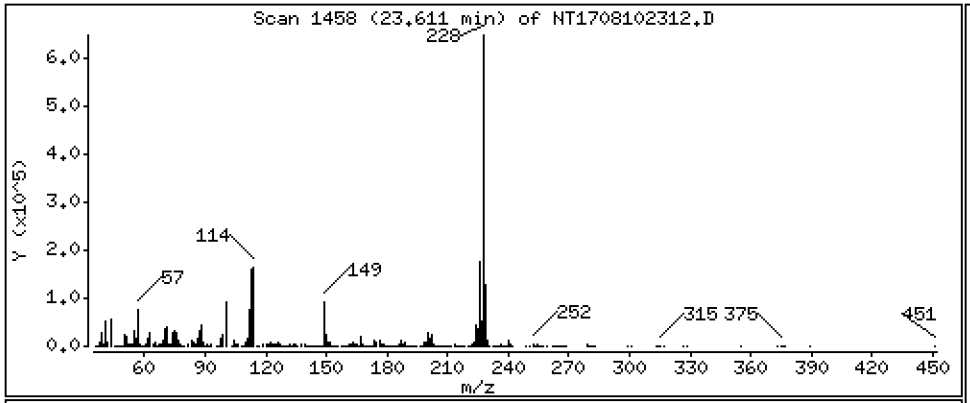
Operator: JGR

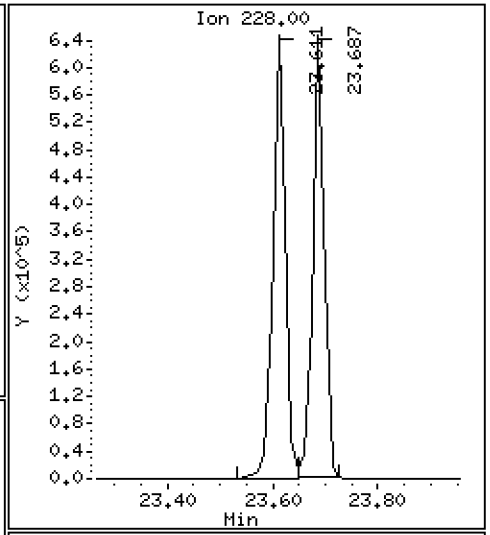
Column phase: ZB-5msi

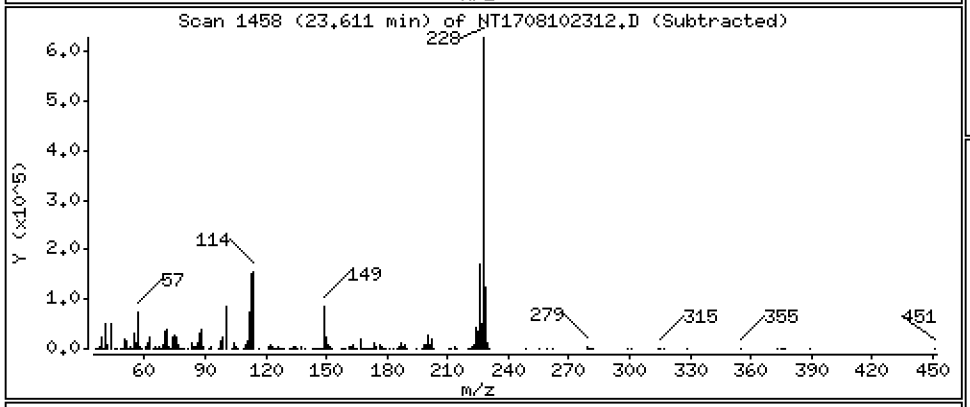
Column diameter: 0.25

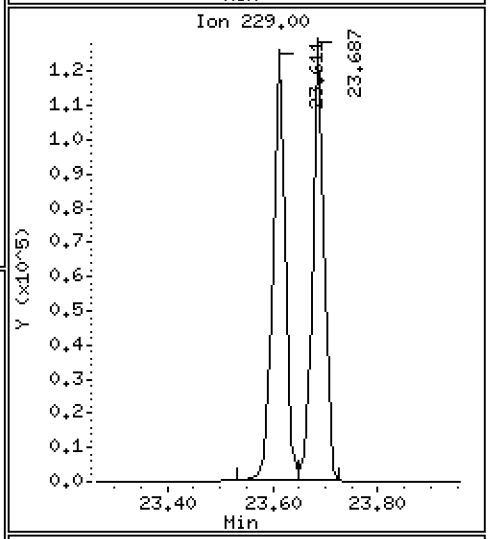
68 Benzo(a)anthracene

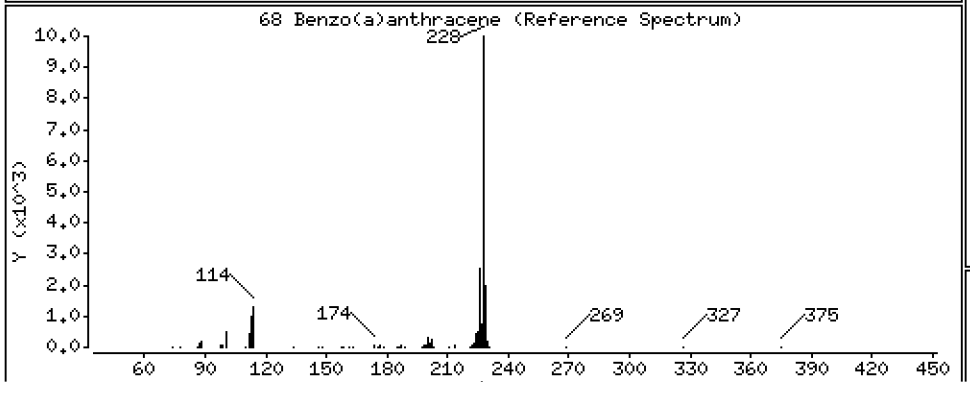
Concentration: 5.384 ug/mL

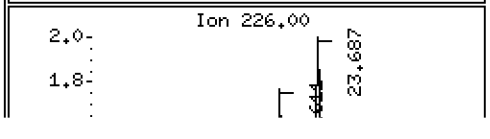












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

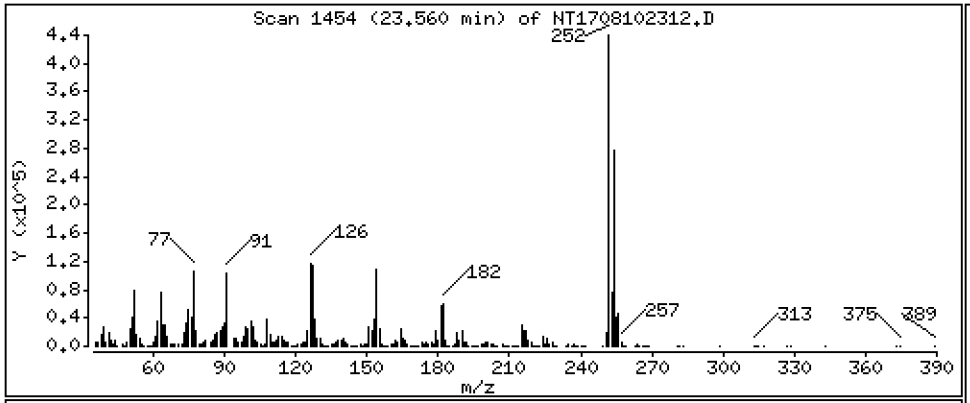
Operator: JGR

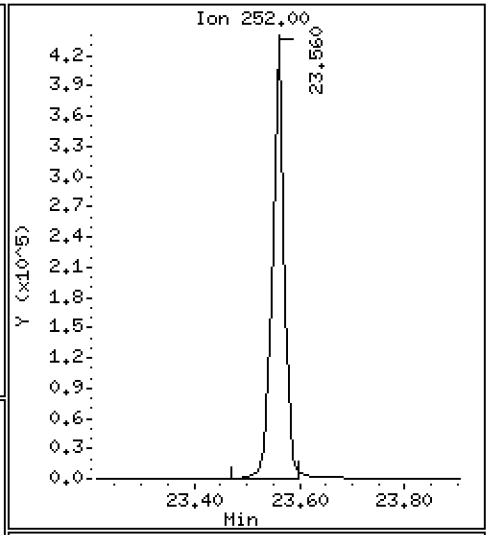
Column phase: ZB-5msi

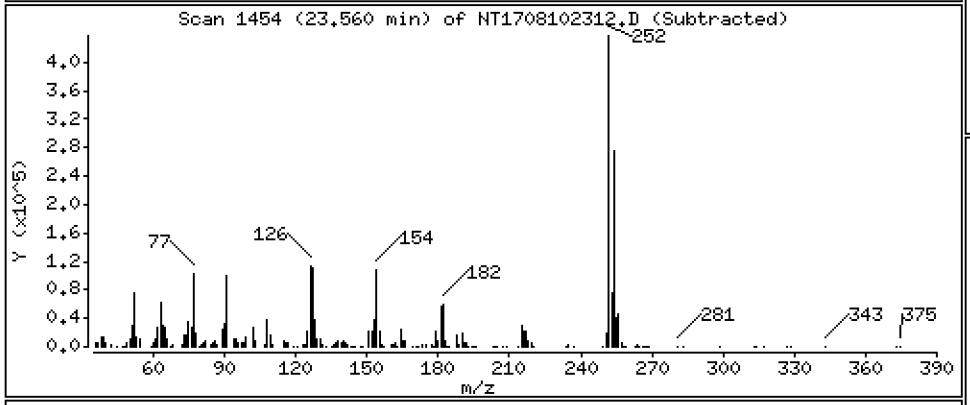
Column diameter: 0.25

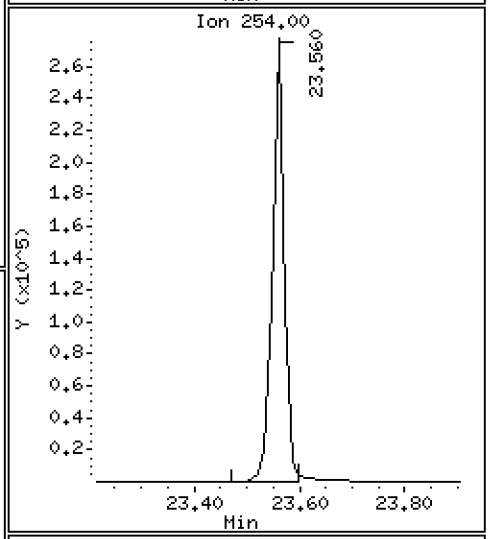
70 3,3'-Dichlorobenzidine

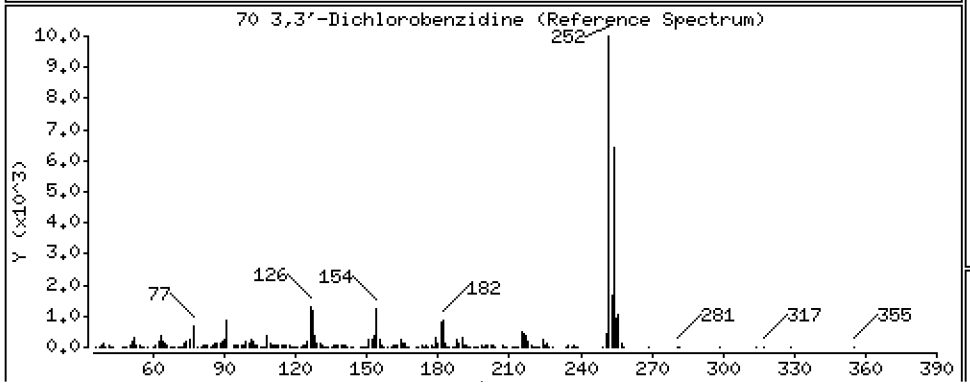
Concentration: 11.05 ug/mL

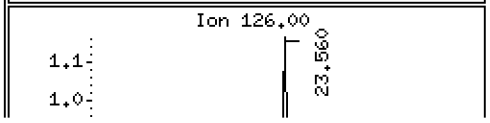












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

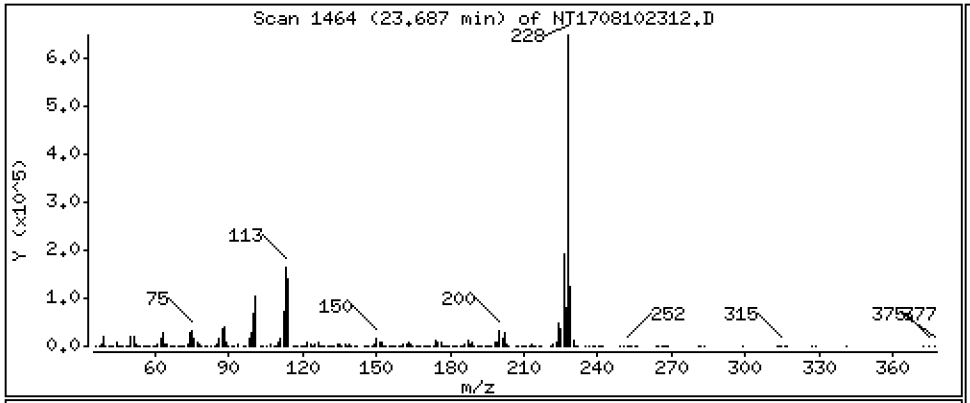
Operator: JGR

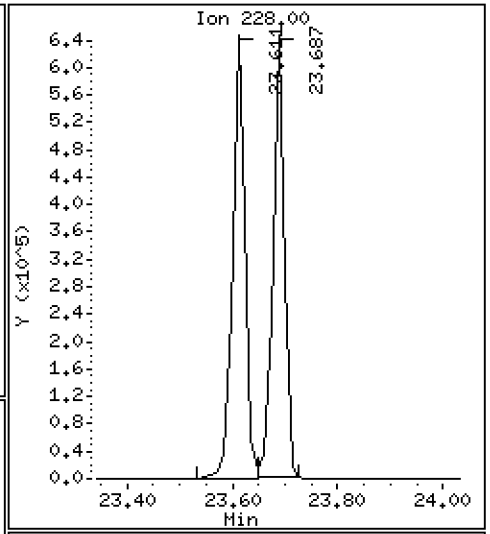
Column phase: ZB-5msi

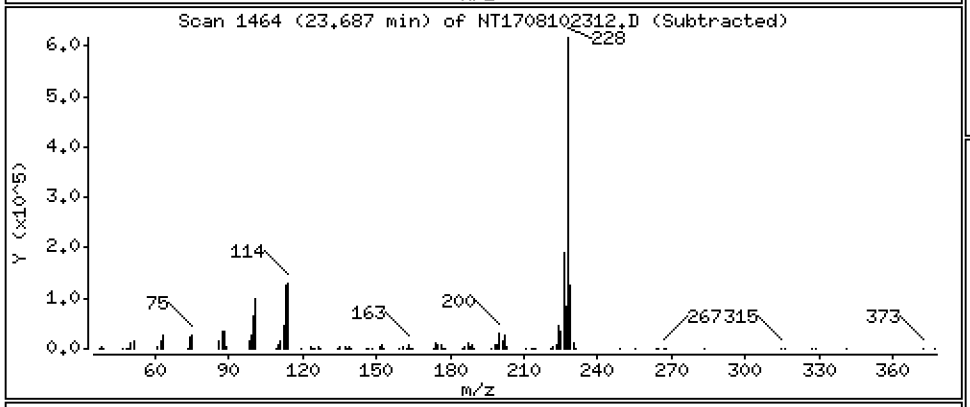
Column diameter: 0.25

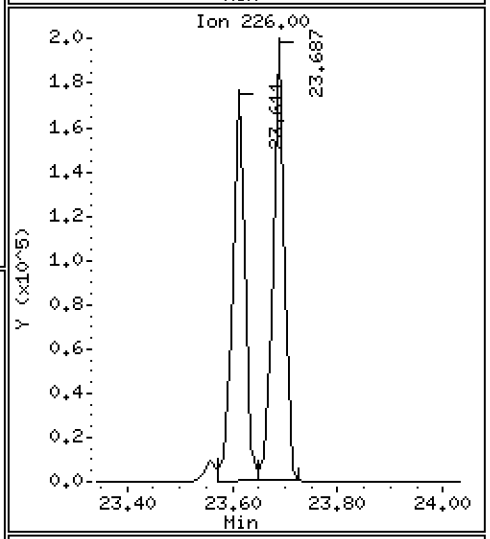
71 Chrysene

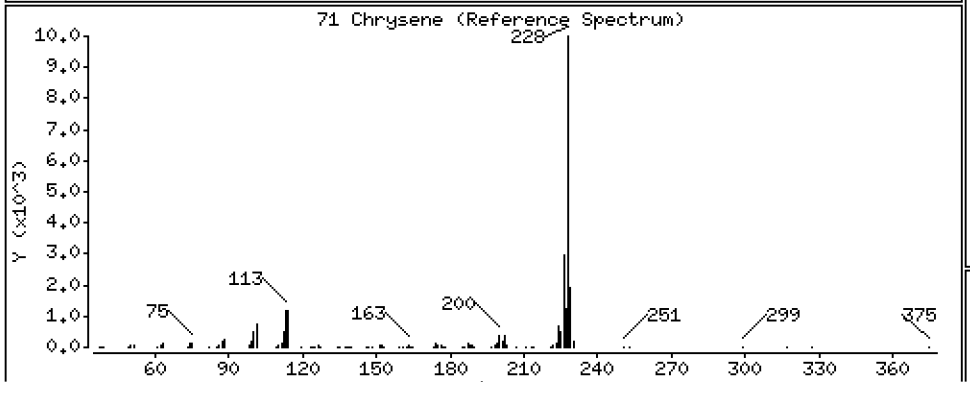
Concentration: 5.557 ug/mL

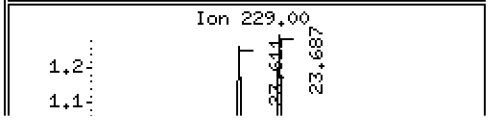












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

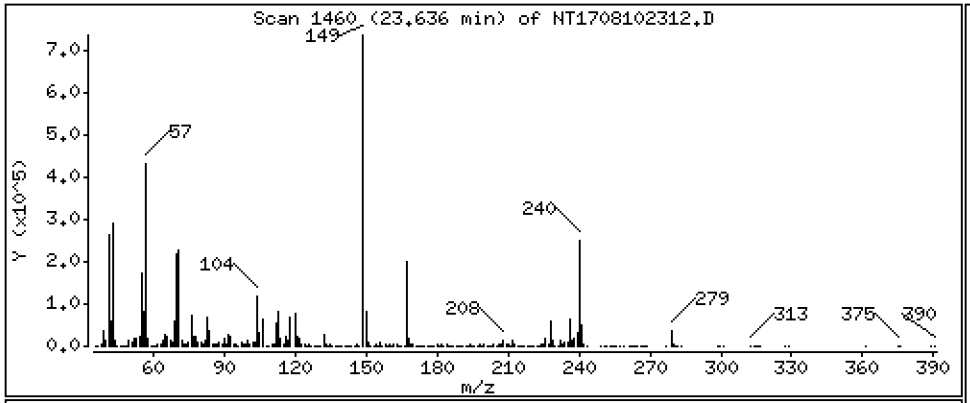
Operator: JGR

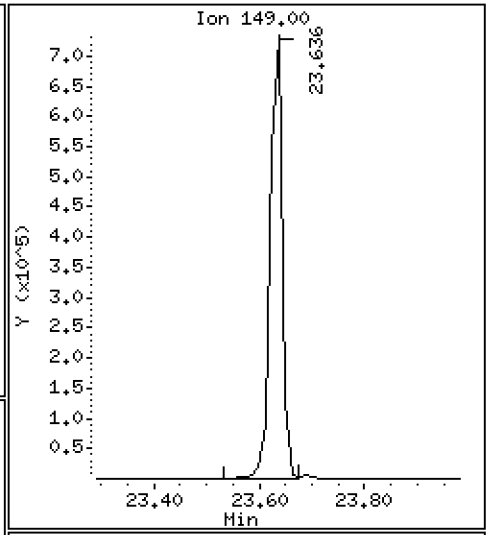
Column phase: ZB-5msi

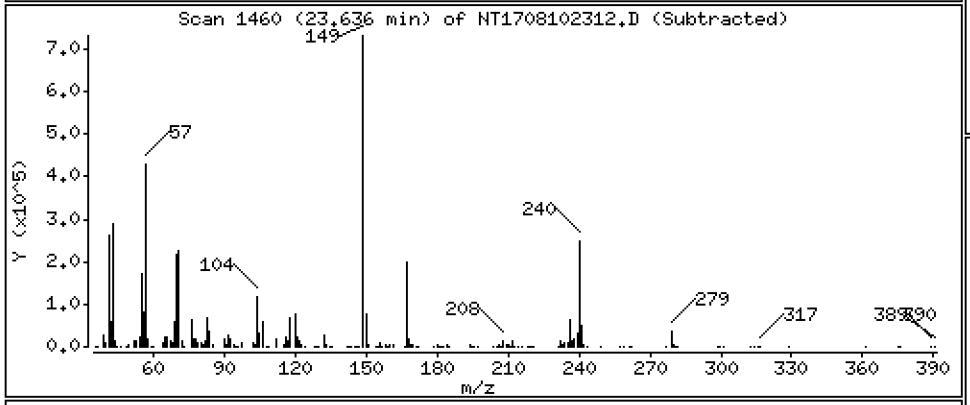
Column diameter: 0.25

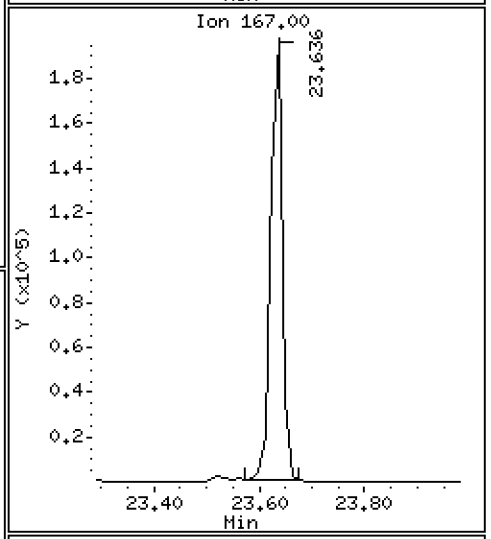
72 bis(2-Ethylhexyl)phthalate

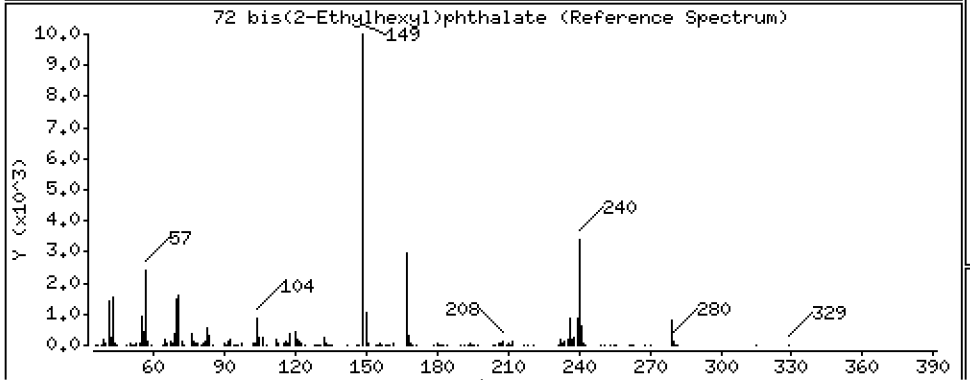
Concentration: 5.561 ug/mL

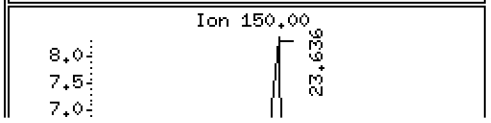












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

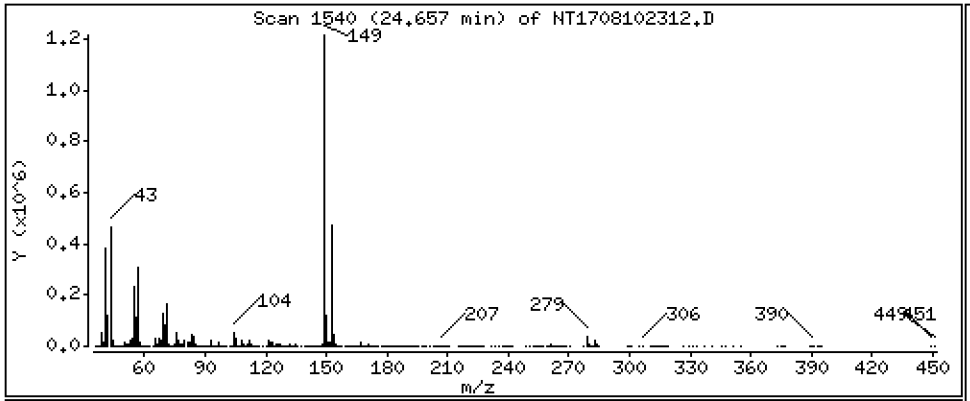
Operator: JGR

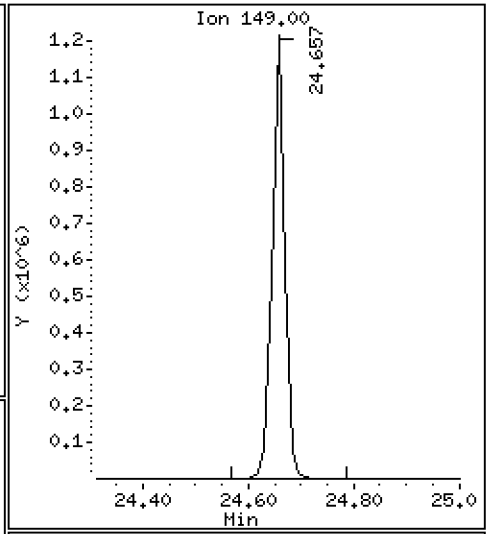
Column phase: ZB-5msi

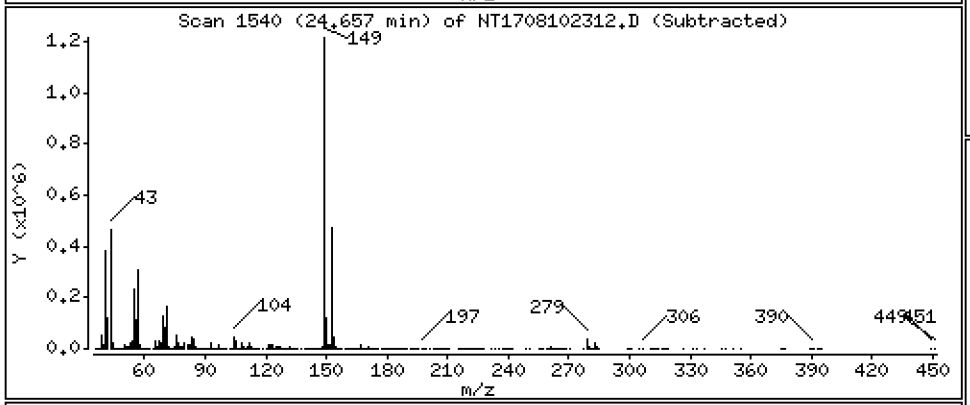
Column diameter: 0.25

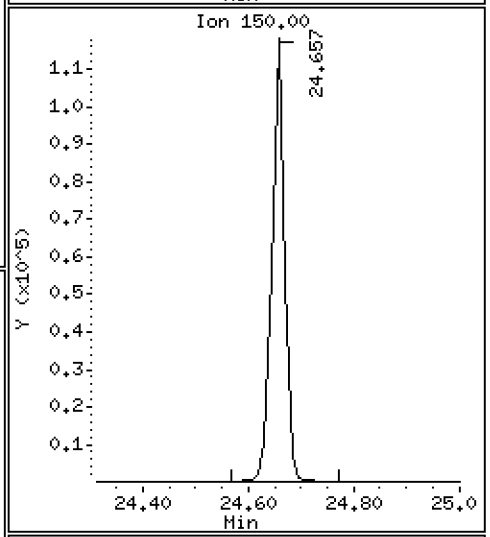
73 Di-n-octylphthalate

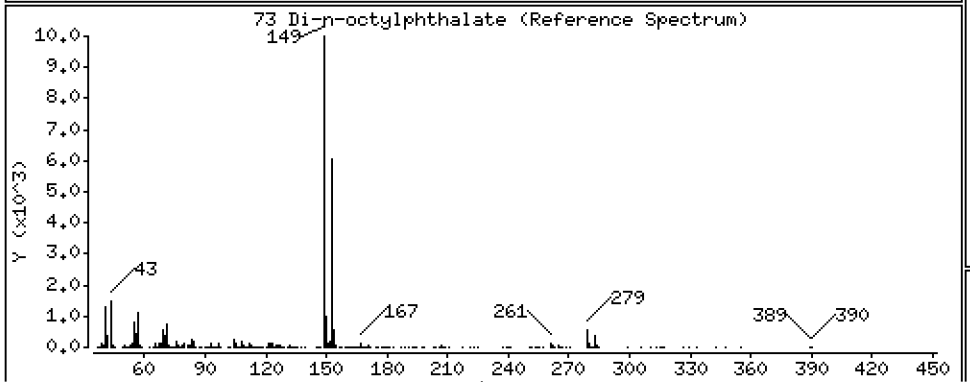
Concentration: 5.600 ug/mL

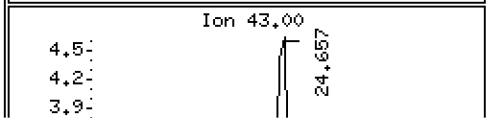












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

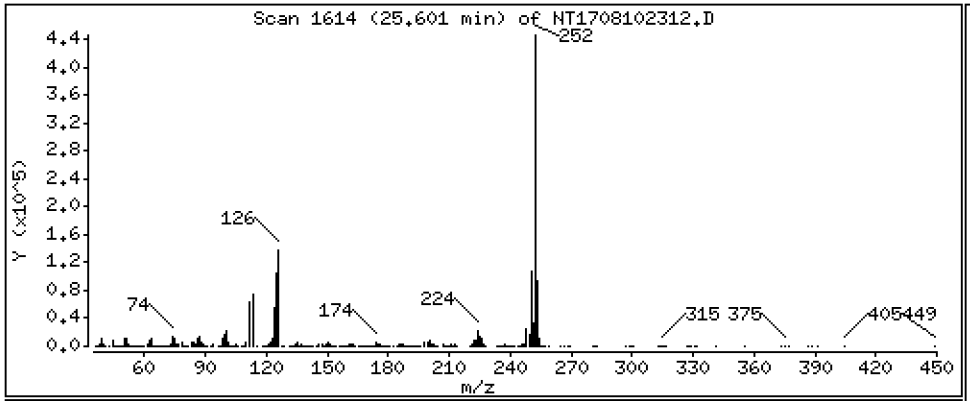
Operator: JGR

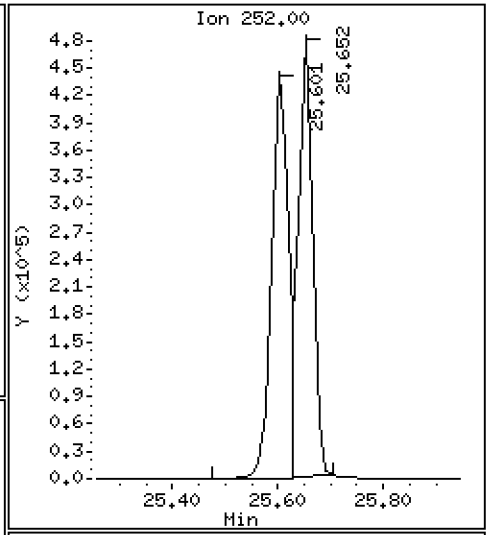
Column phase: ZB-5msi

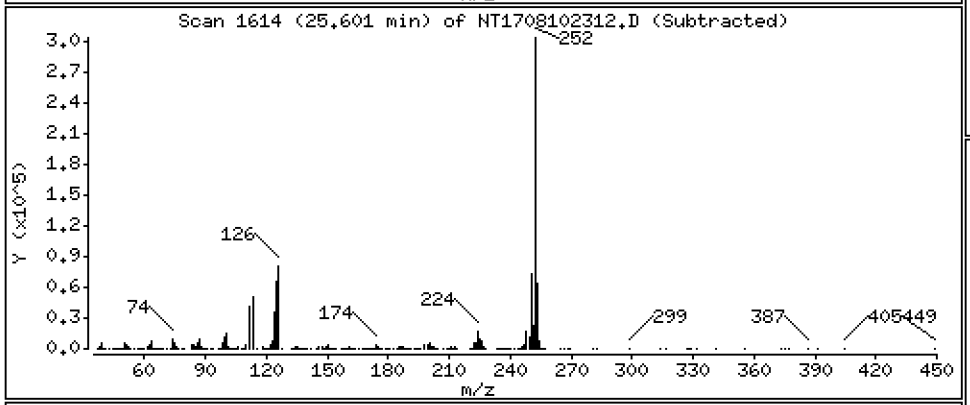
Column diameter: 0.25

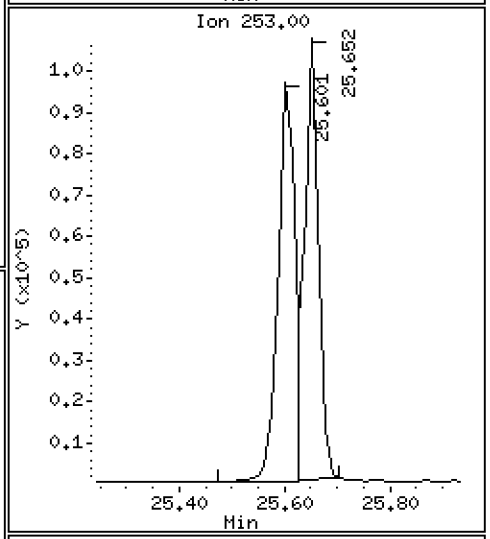
74 Benzo(b)fluoranthene

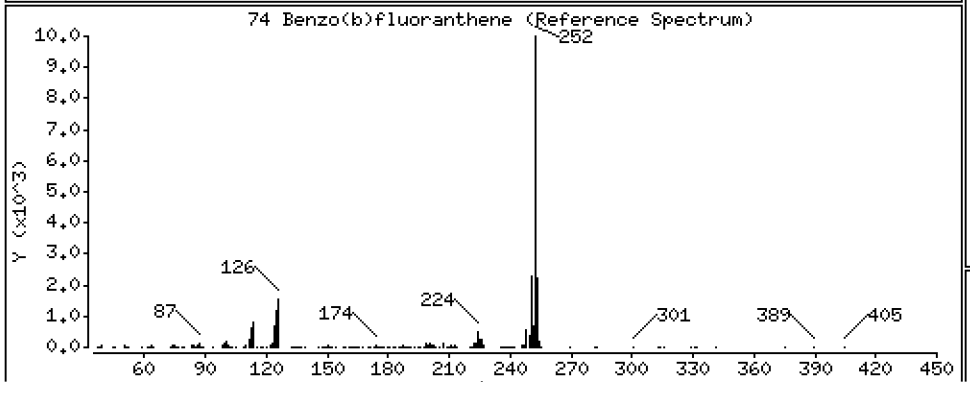
Concentration: 4.671 ug/mL

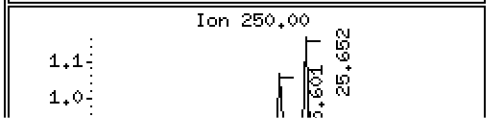












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

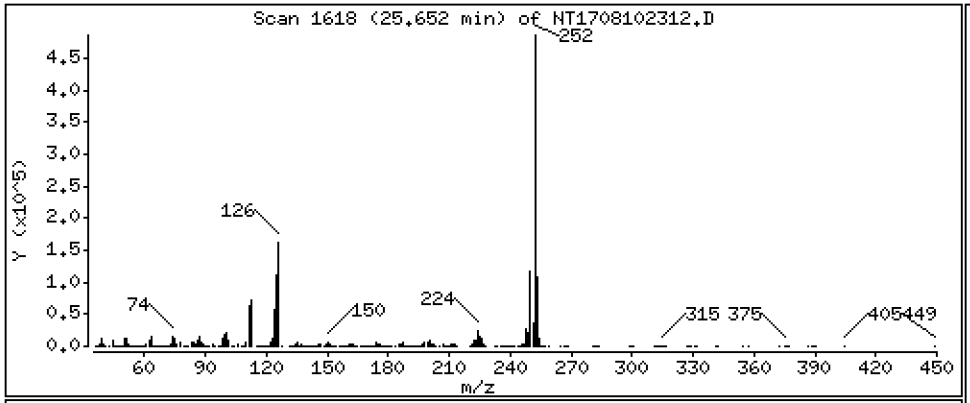
Operator: JGR

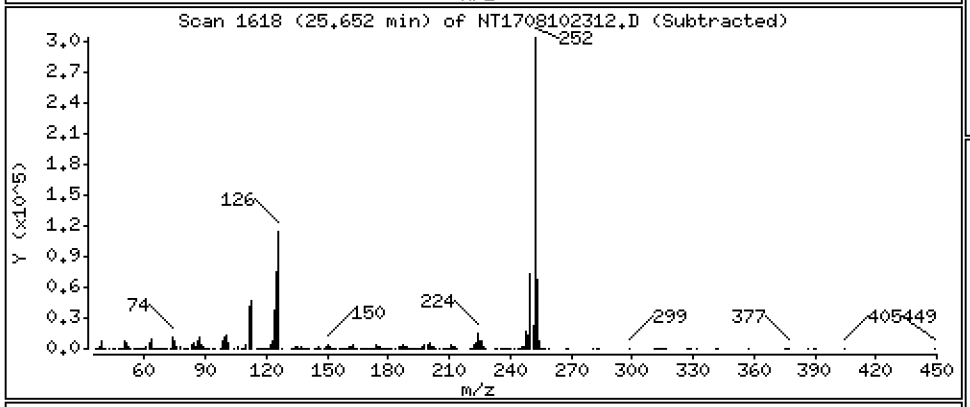
Column phase: ZB-5msi

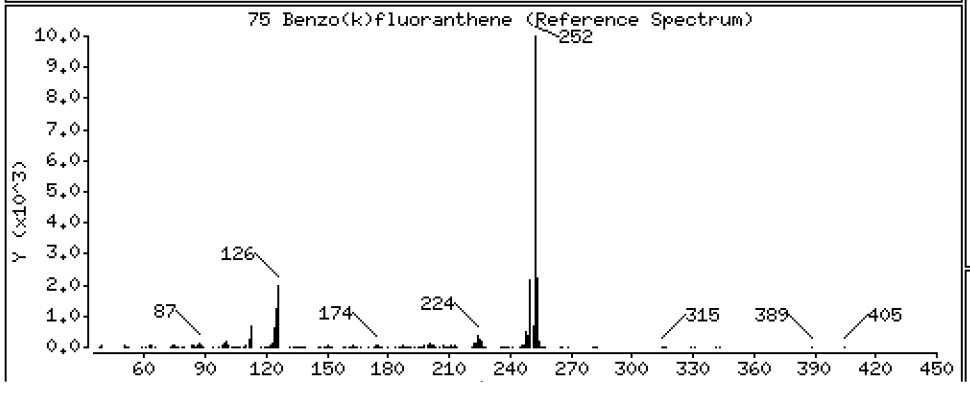
Column diameter: 0.25

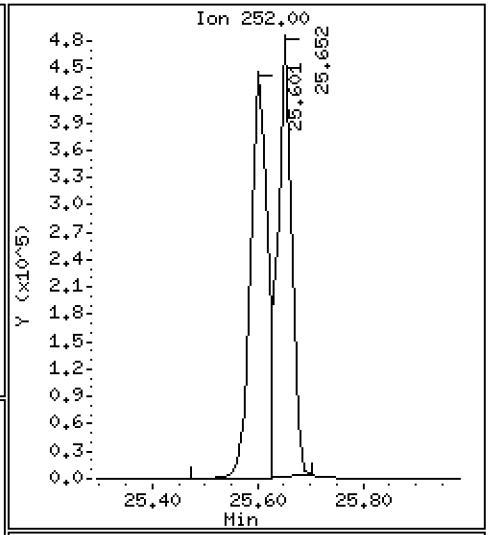
75 Benzo(k)fluoranthene

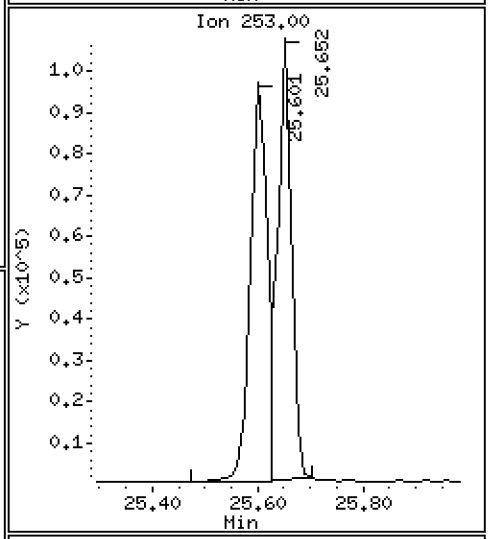
Concentration: 5.408 ug/mL

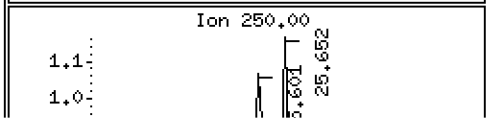












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

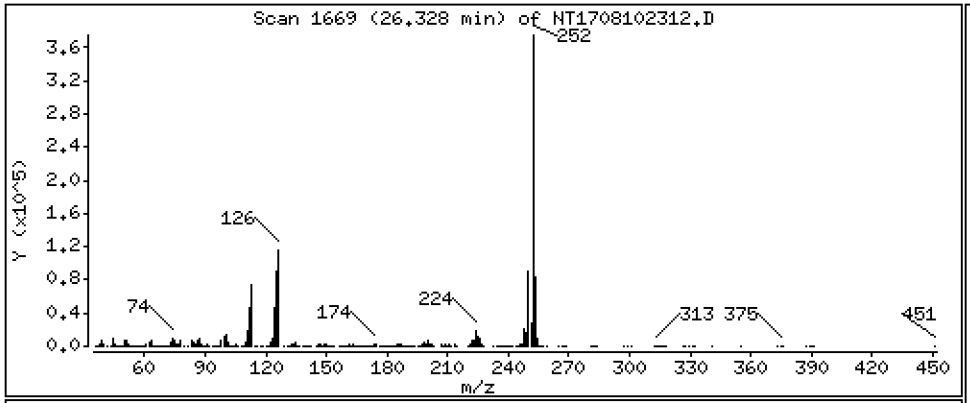
Operator: JGR

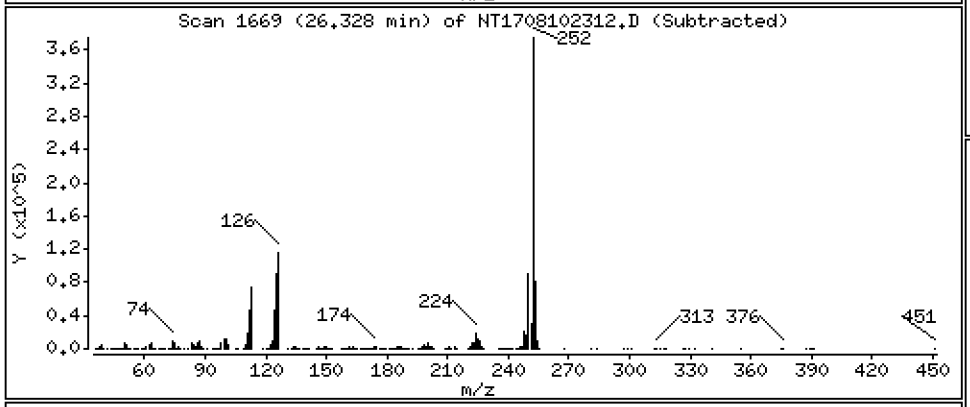
Column phase: ZB-5msi

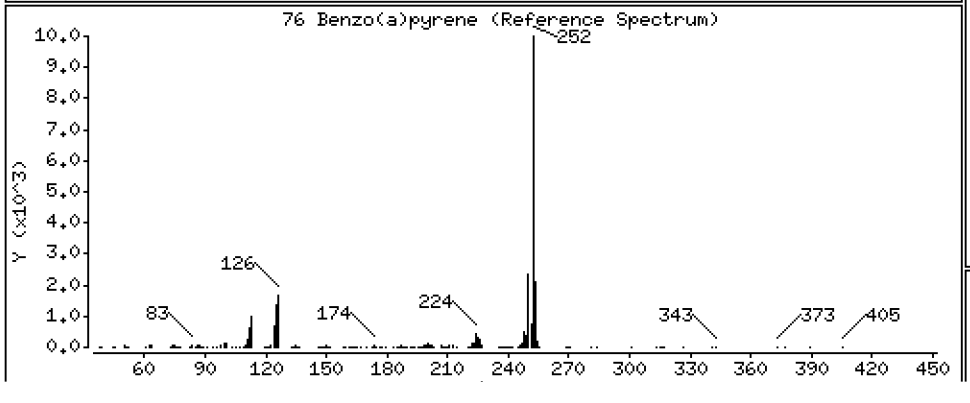
Column diameter: 0.25

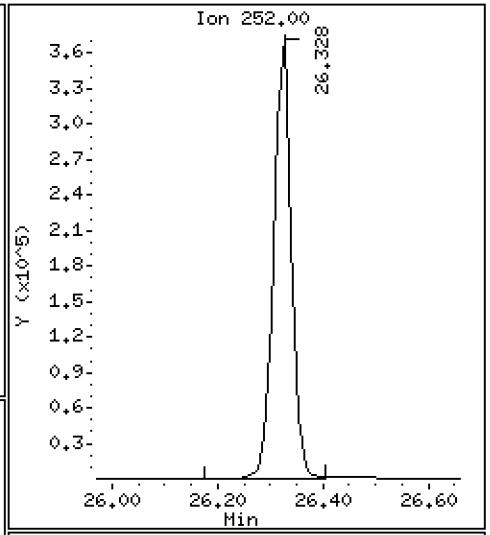
76 Benzo(a)pyrene

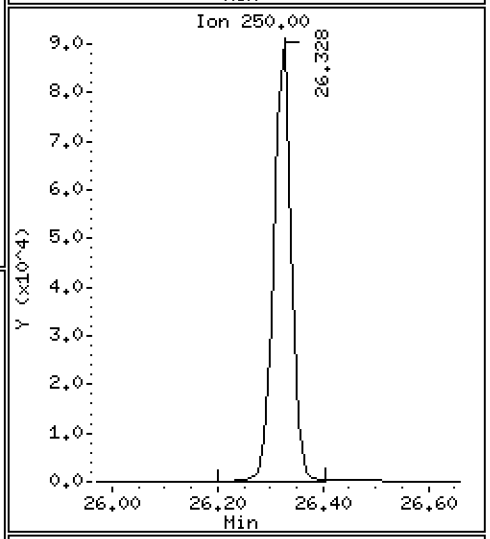
Concentration: 5.201 ug/mL

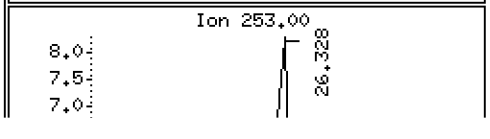












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

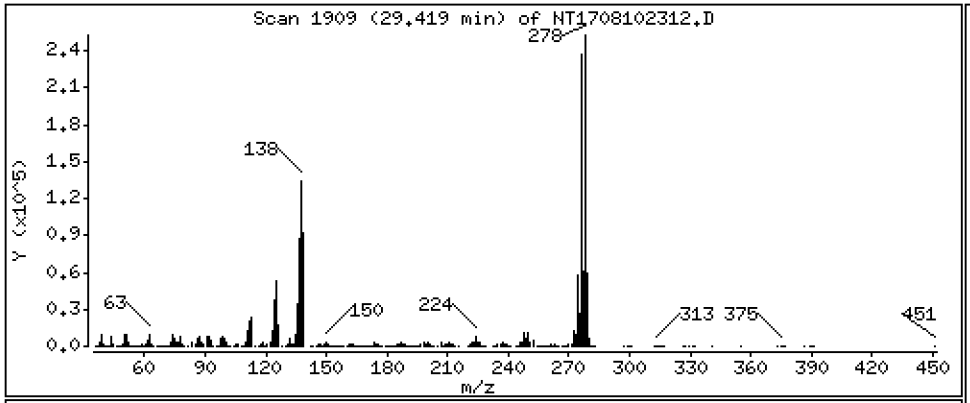
Operator: JGR

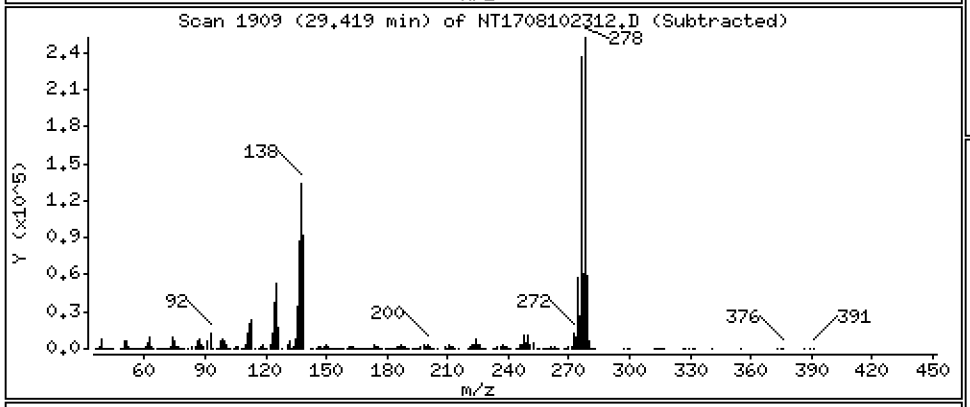
Column phase: ZB-5msi

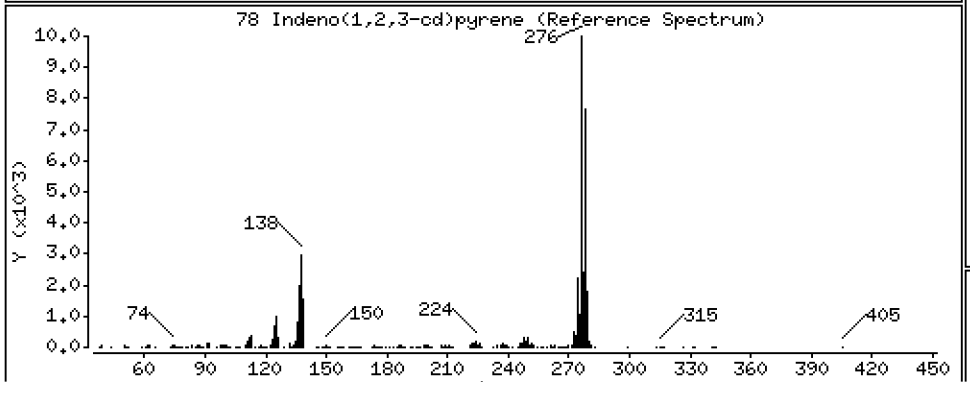
Column diameter: 0.25

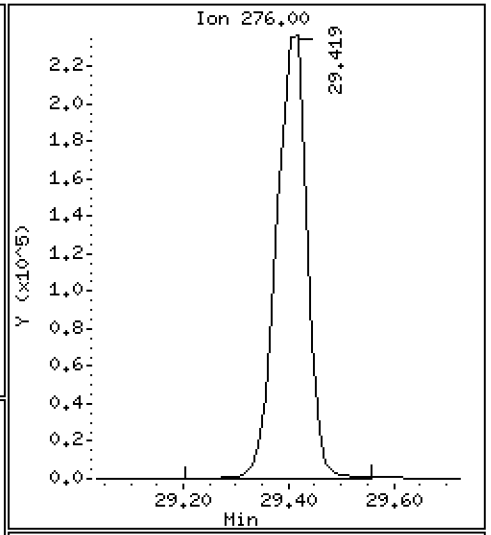
78 Indeno(1,2,3-cd)pyrene

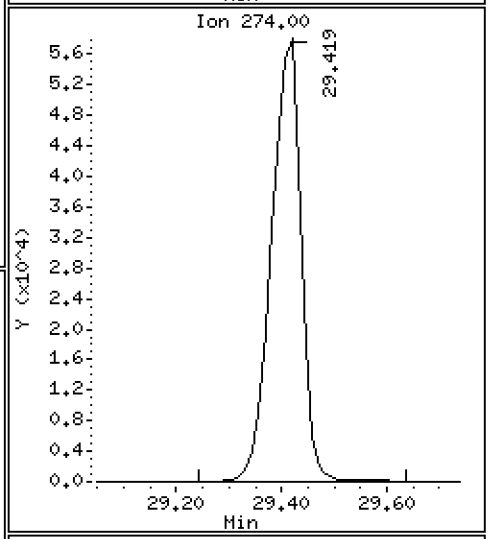
Concentration: 4.765 ug/mL

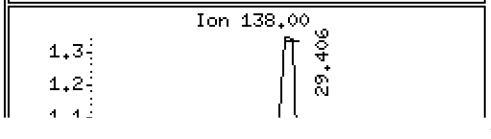












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

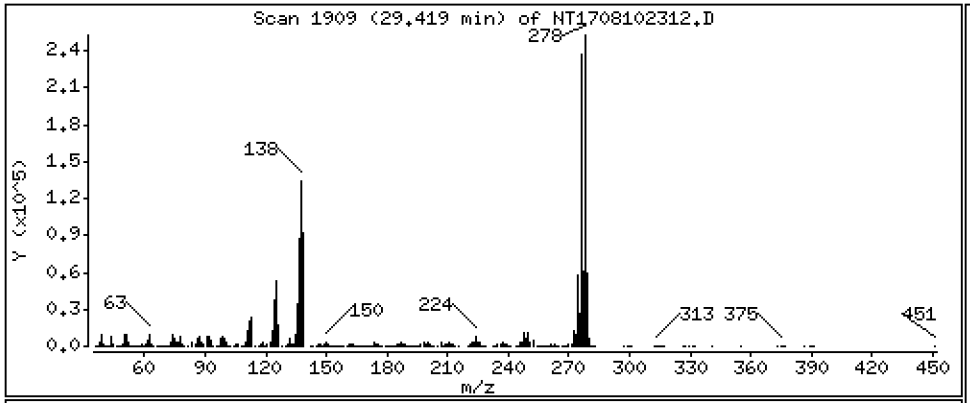
Operator: JGR

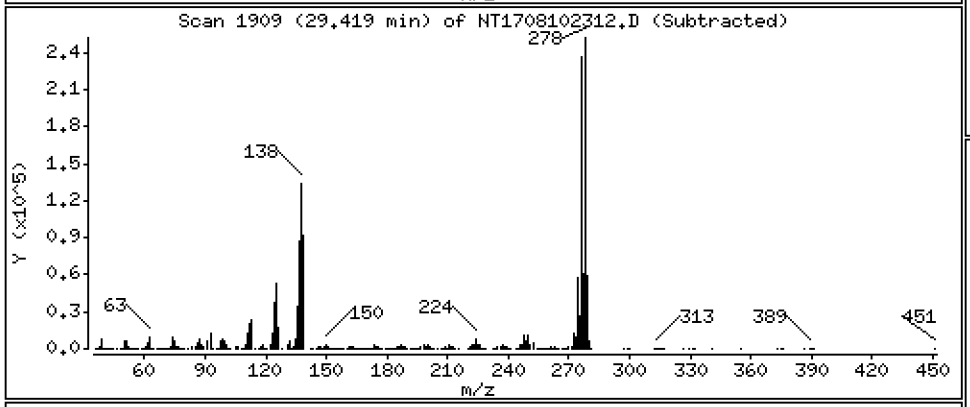
Column phase: ZB-5msi

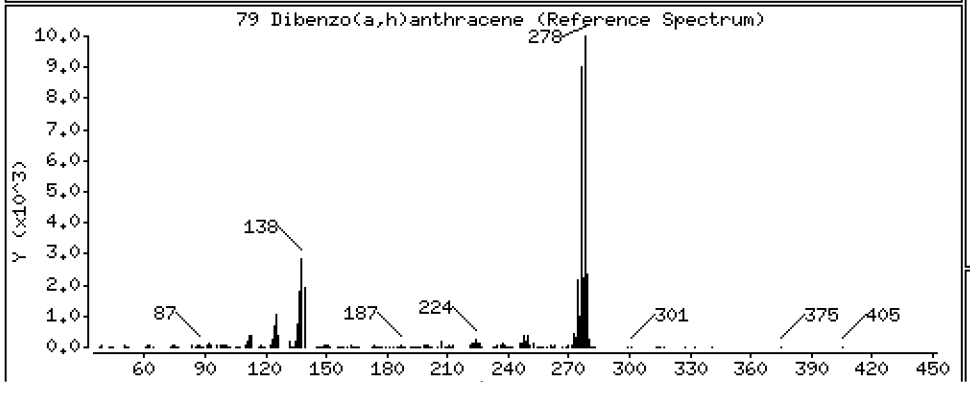
Column diameter: 0.25

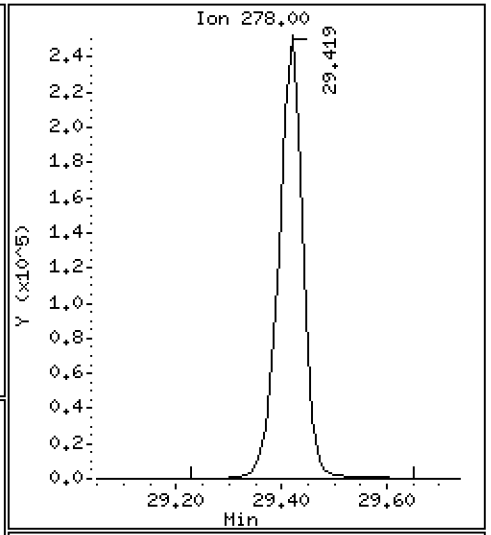
79 Dibenzo(a,h)anthracene

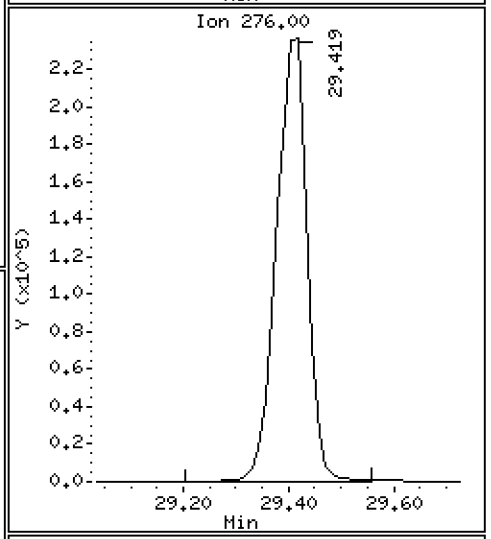
Concentration: 4.553 ug/mL

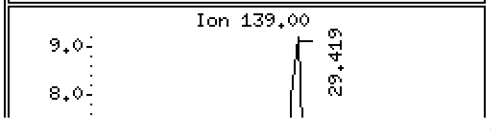












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

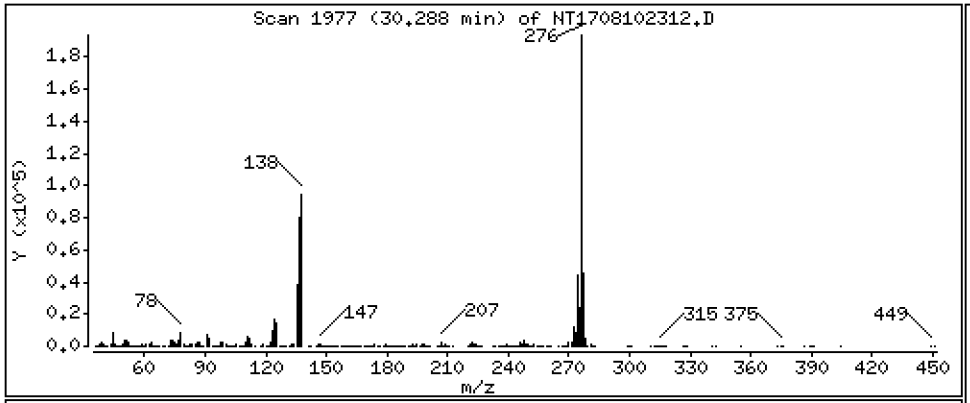
Operator: JGR

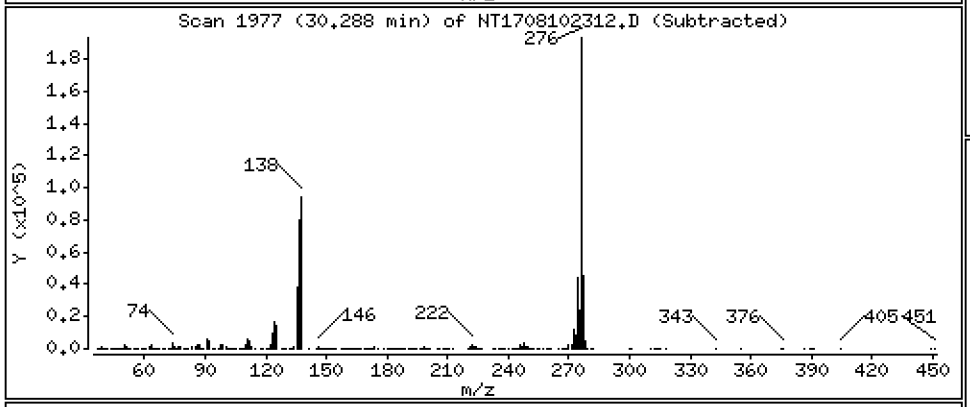
Column phase: ZB-5msi

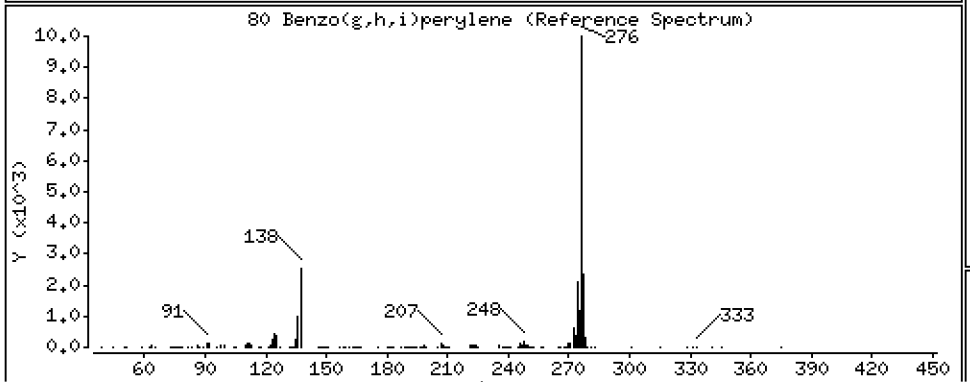
Column diameter: 0.25

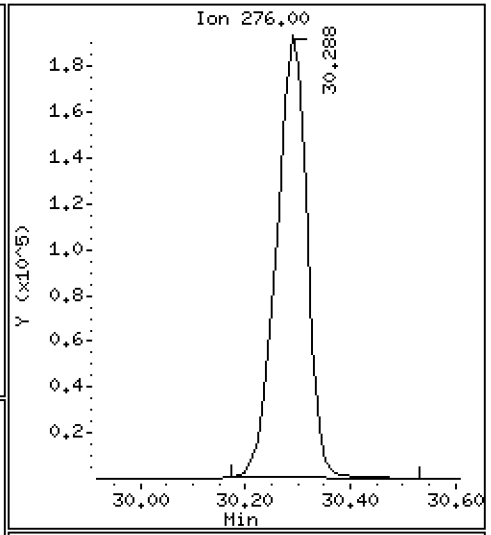
80 Benzo(g,h,i)perylene

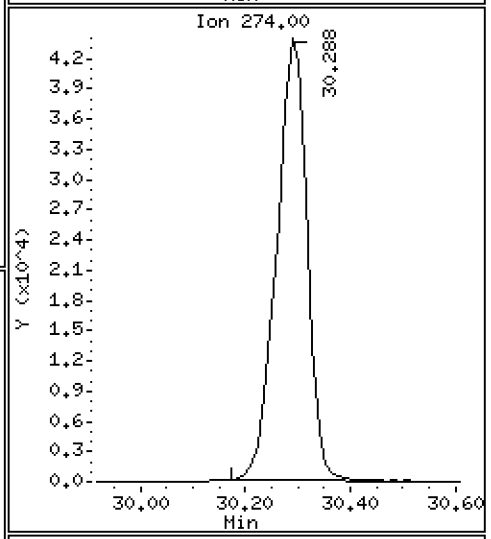
Concentration: 5.566 ug/mL

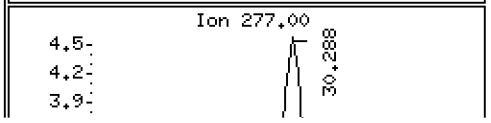












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

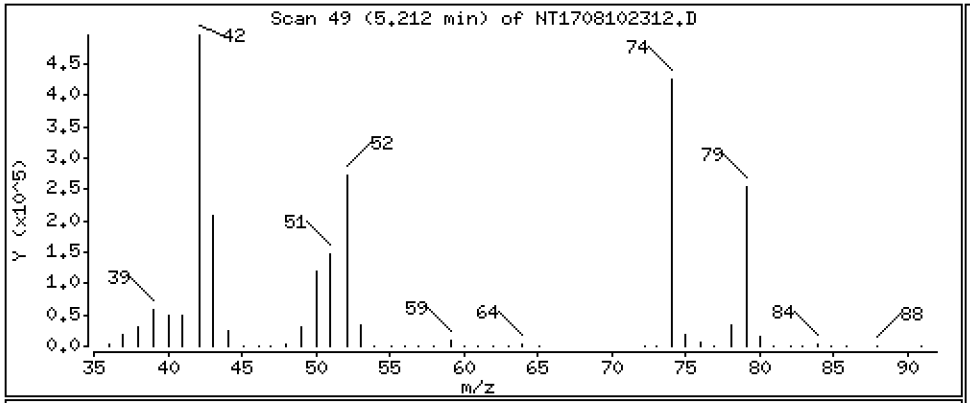
Operator: JGR

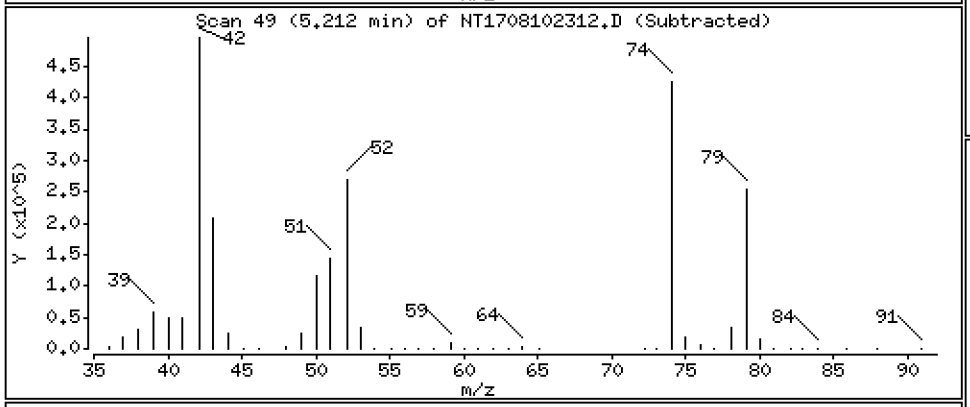
Column phase: ZB-5msi

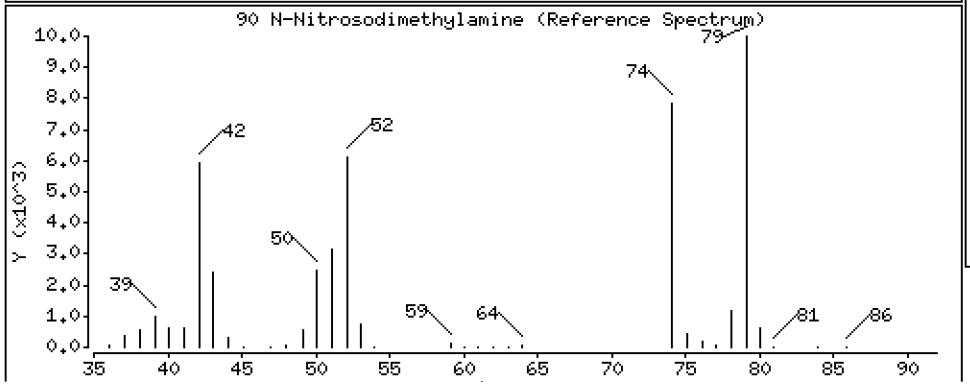
Column diameter: 0.25

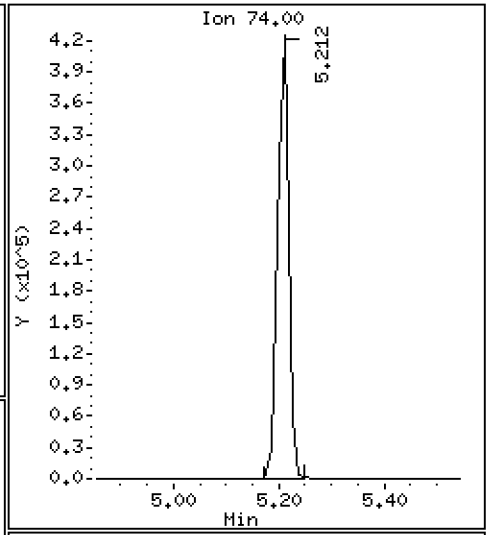
90 N-Nitrosodimethylamine

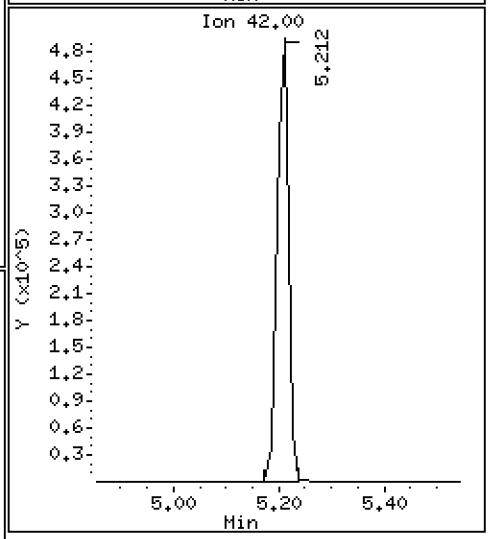
Concentration: 5.576 ug/mL











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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

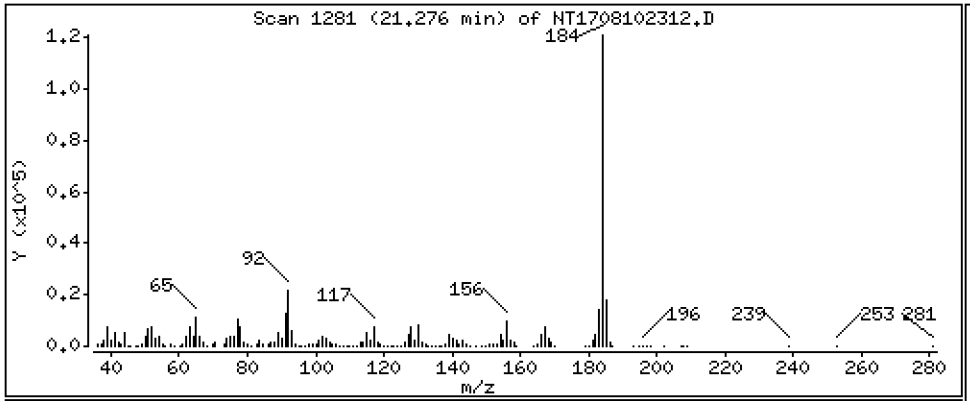
Operator: JGR

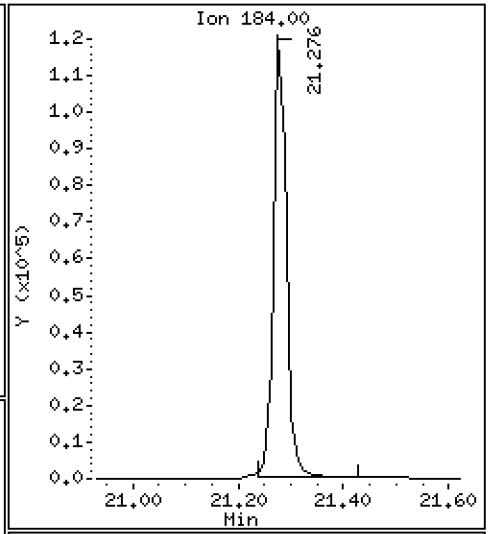
Column phase: ZB-5msi

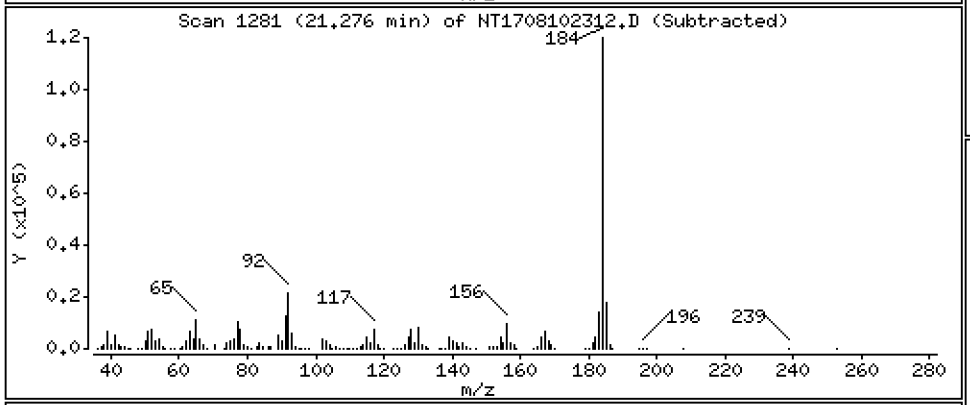
Column diameter: 0.25

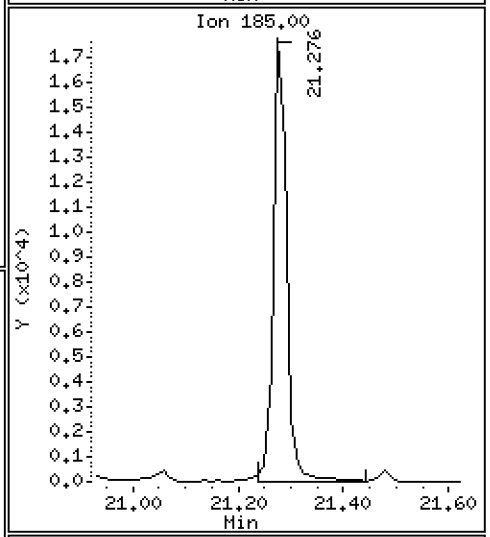
93 Benzidine

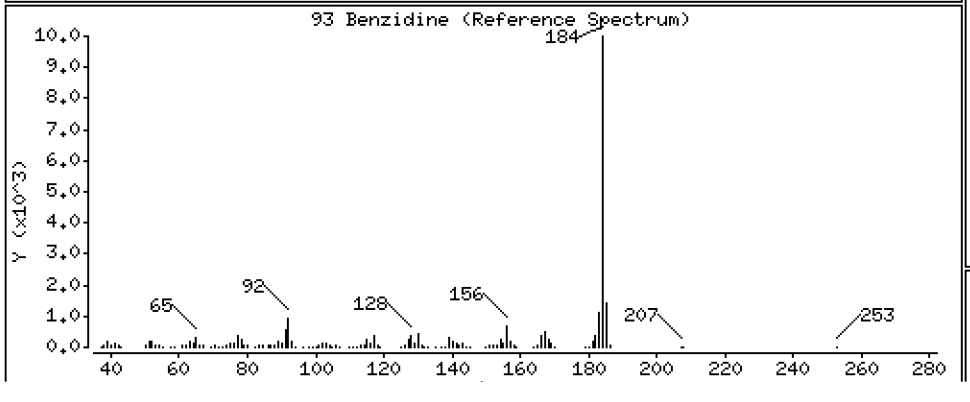
Concentration: 2.026 ug/mL

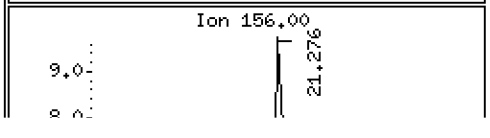












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

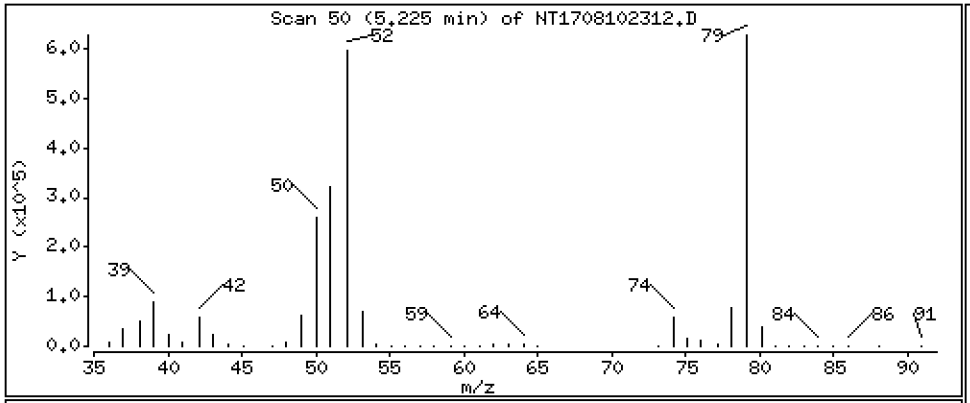
Operator: JGR

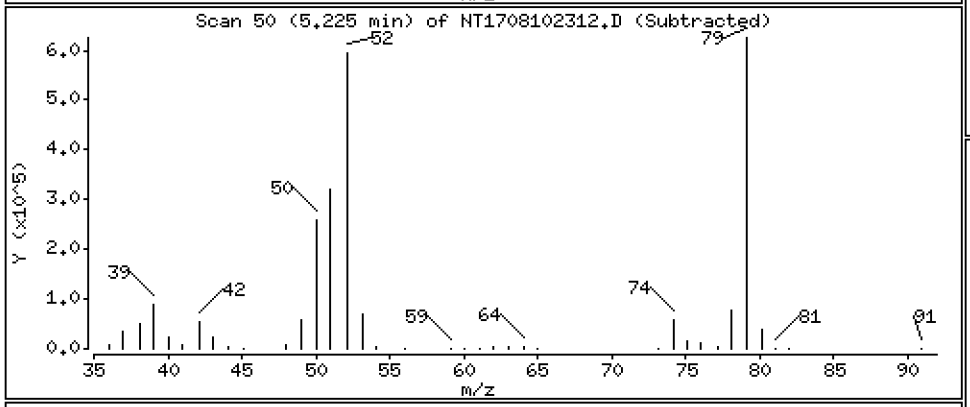
Column phase: ZB-5msi

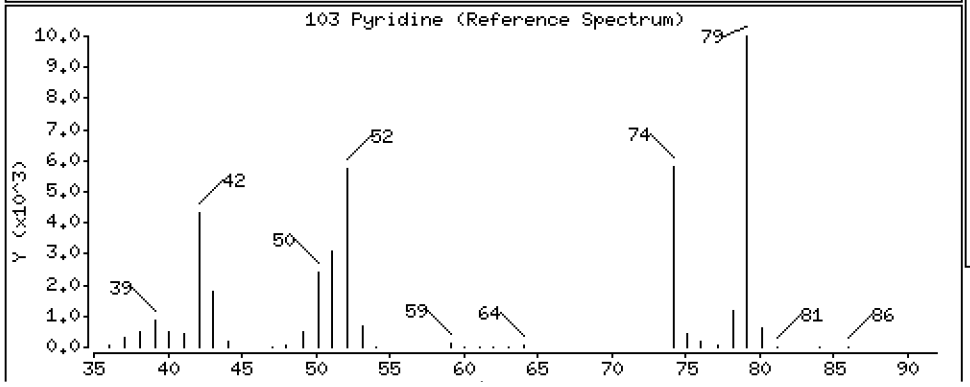
Column diameter: 0.25

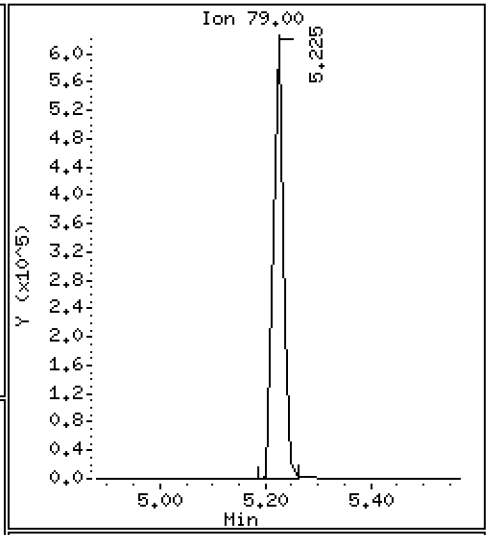
103 Pyridine

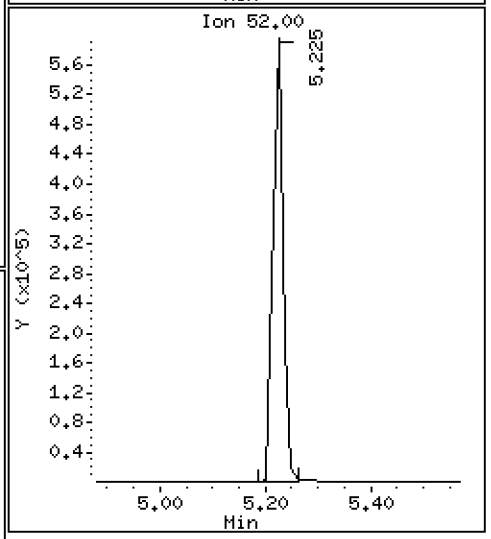
Concentration: 5.374 ug/mL











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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

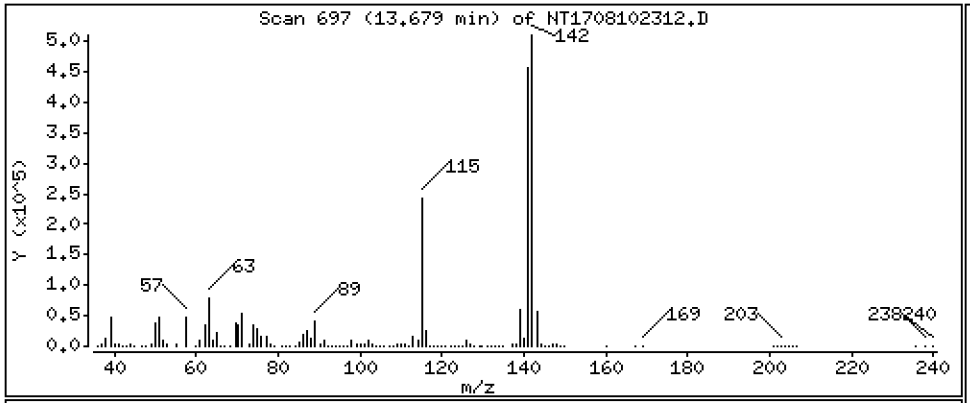
Operator: JGR

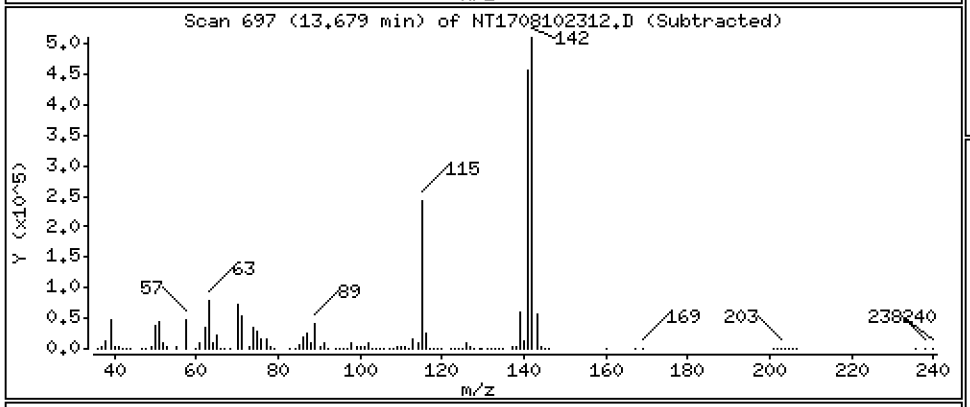
Column phase: ZB-5msi

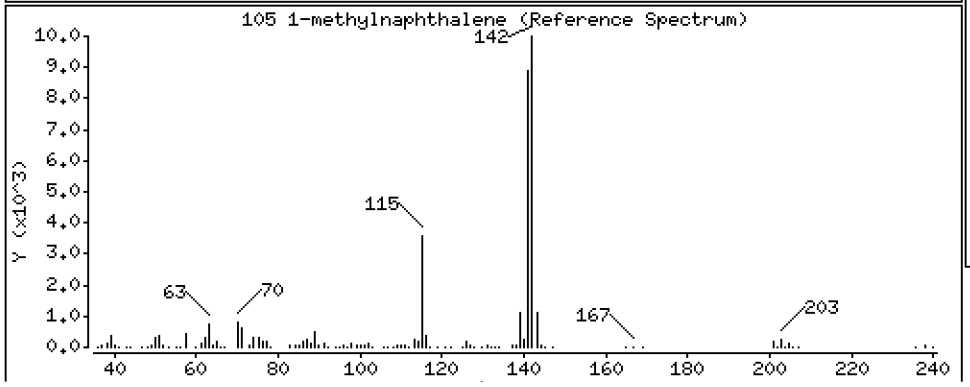
Column diameter: 0.25

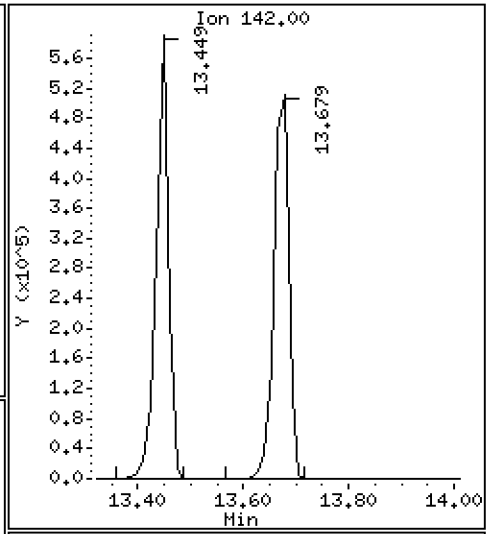
105 1-methylnaphthalene

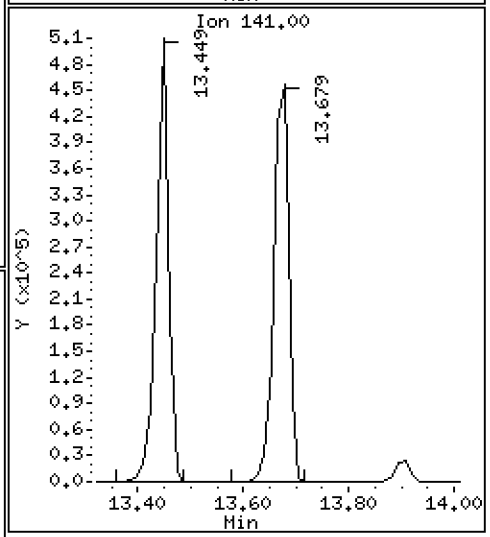
Concentration: 5.674 ug/mL











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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

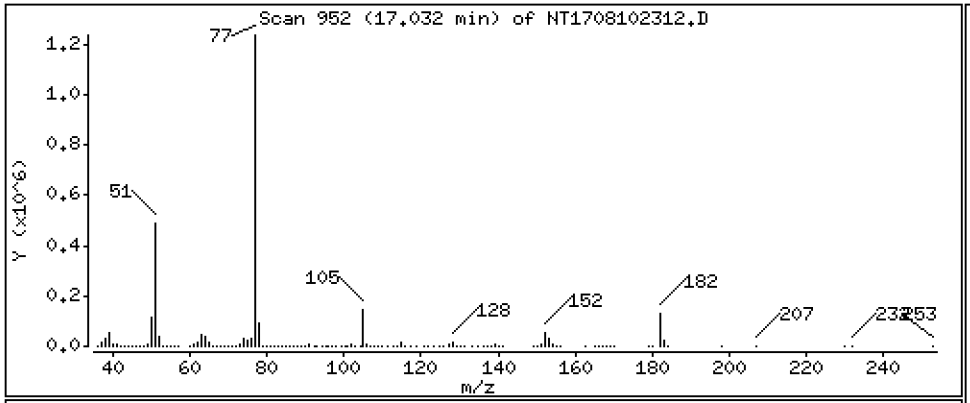
Operator: JGR

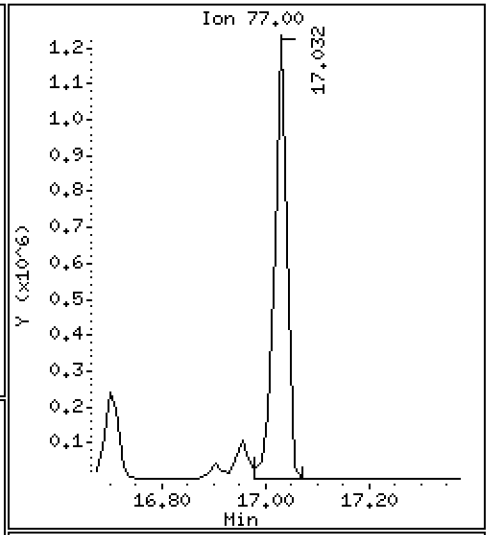
Column phase: ZB-5msi

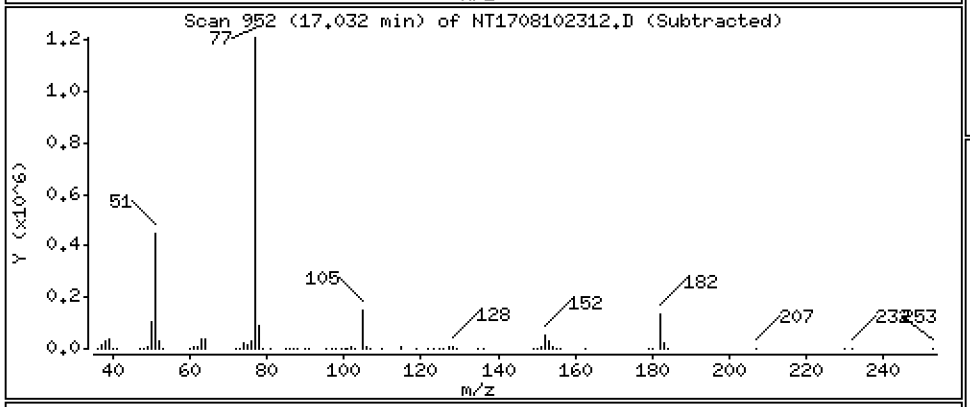
Column diameter: 0.25

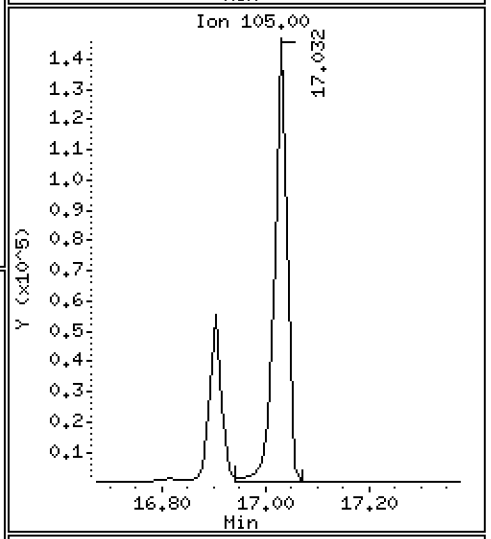
111 Azobenzene (1,2-DP-Hydrazine)

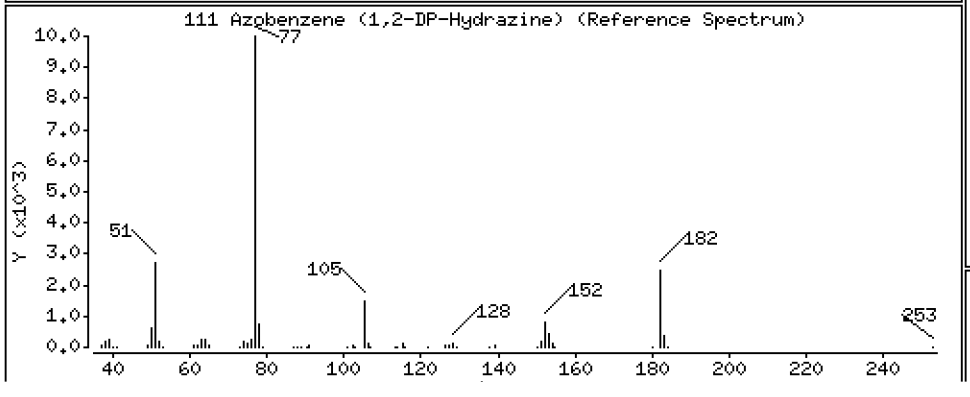
Concentration: 5.785 ug/mL

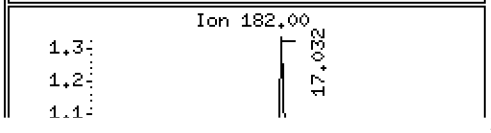












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

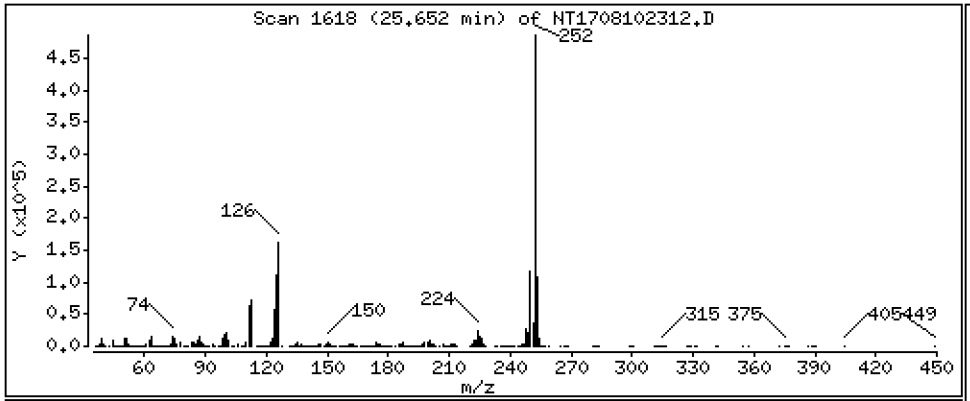
Operator: JGR

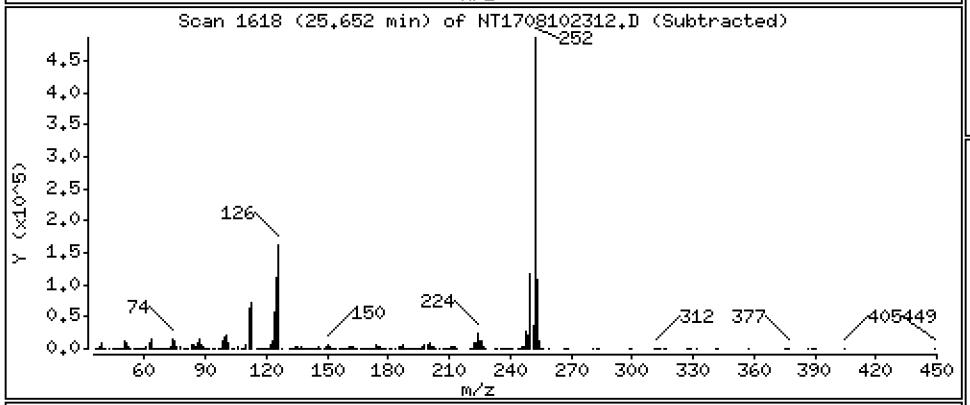
Column phase: ZB-5msi

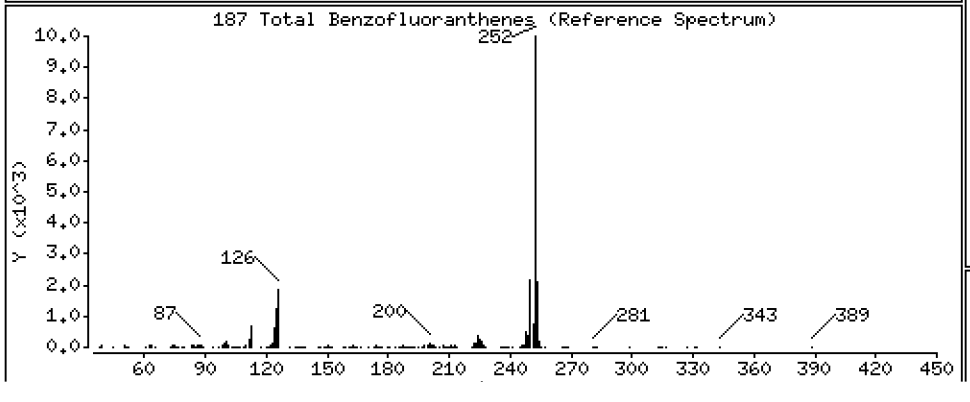
Column diameter: 0.25

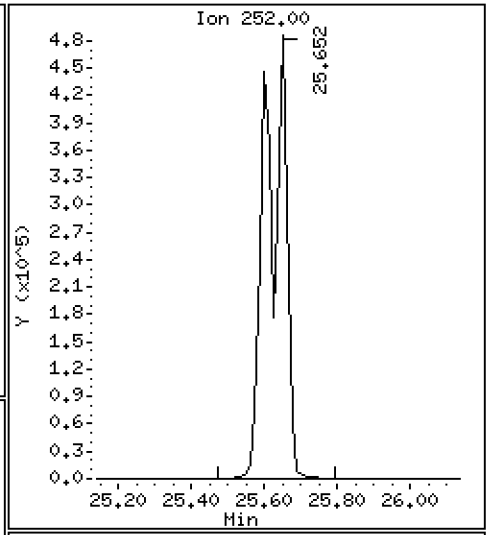
187 Total Benzofluoranthenes

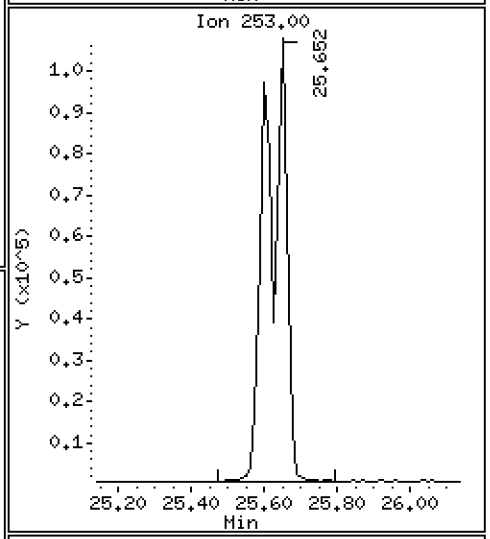
Concentration: 11.15 ug/mL

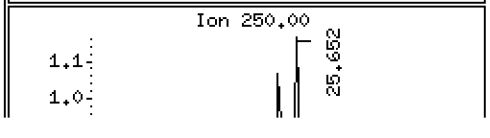












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

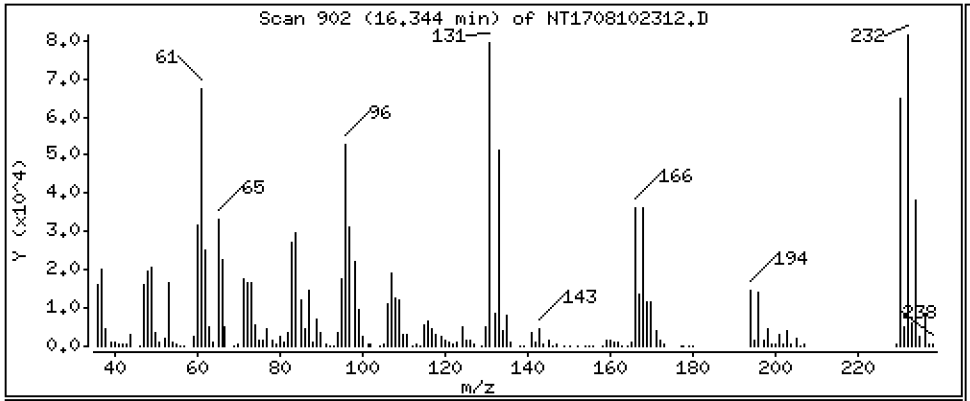
Operator: JGR

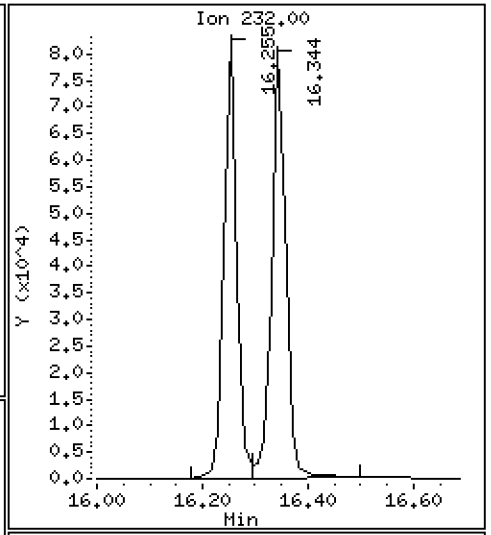
Column phase: ZB-5msi

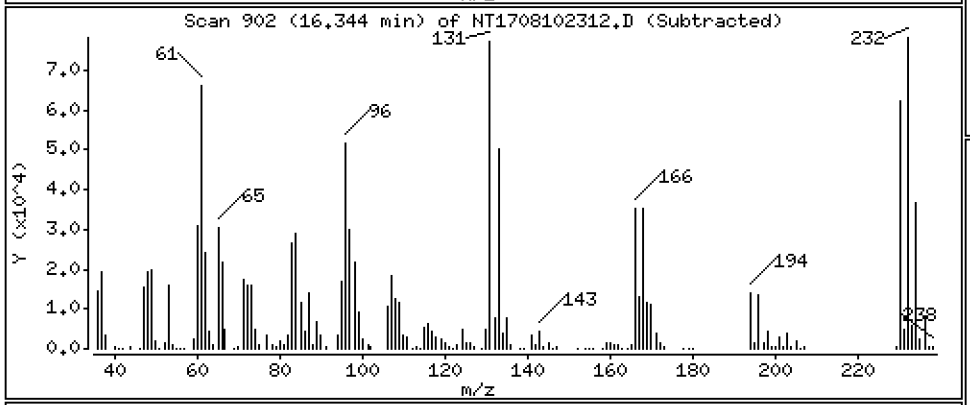
Column diameter: 0.25

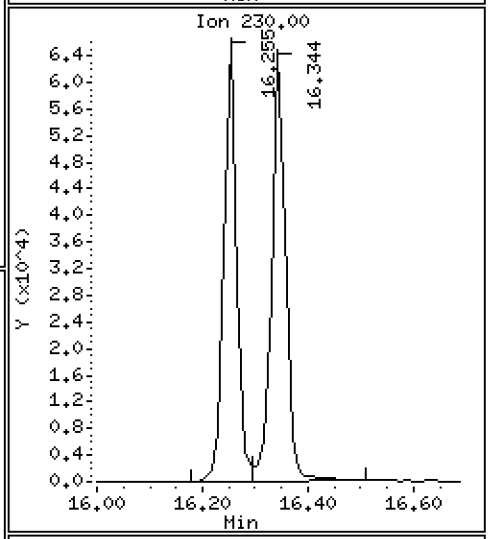
120 2,3,4,6-Tetrachlorophenol

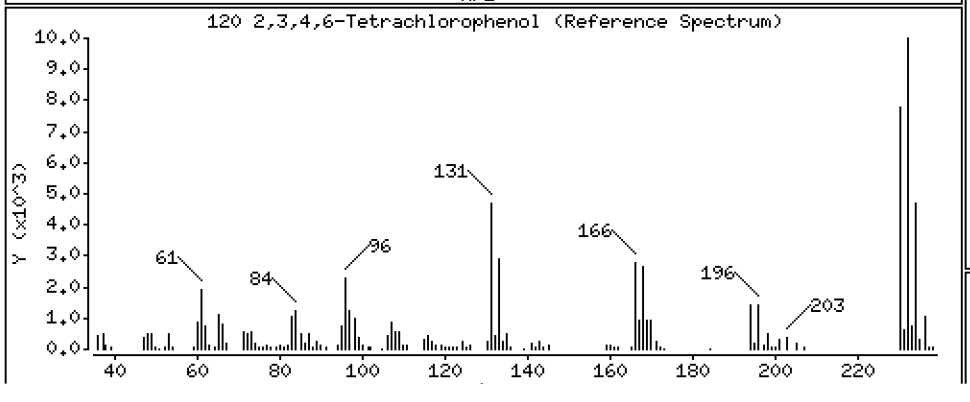
Concentration: 4.947 ug/mL

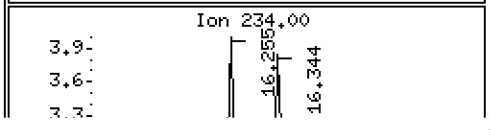












ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt17.i\20230810.b\NT1708102312.D
Lab Smp Id: SEQ-SCV1
Inj Date : 10-AUG-2023 18:45
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-SCV1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt17.i\20230810.b\ABN.m
Meth Date : 17-Aug-2023 08:14 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:16 Cal File: NT1708102308.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
$ 1	2-Fluorophenol	112	Compound Not Detected.					
$ 2	Phenol-d5	99	Compound Not Detected.					
3	Phenol	94	8.881	8.880	(0.932)	853825	5.37443	5.374
$ 5	2-Chlorophenol-d4	132	Compound Not Detected.					
4	Bis(2-Chloroethyl)ether	93	9.072	9.071	(0.952)	751787	5.80678	5.807
6	2-Chlorophenol	128	9.199	9.199	(0.965)	509405	5.34930	5.349
7	1,3-Dichlorobenzene	146	9.467	9.467	(0.993)	522205	5.18488	5.185
* 8	1,4-Dichlorobenzene-d4	152	9.531	9.531	(1.000)	238152	4.00000	
9	1,4-Dichlorobenzene	146	9.569	9.569	(1.004)	513062	5.26606	5.266
$ 10	1,2-Dichlorobenzene-d4	152	Compound Not Detected.					
12	1,2-Dichlorobenzene	146	9.927	9.927	(1.042)	497837	5.22843	5.228
11	Benzyl alcohol	108	9.786	9.786	(1.027)	408476	5.67234	5.672
14	2,2'-oxybis(1-Chloropropane)	121	10.093	10.080	(1.059)	198858	6.24065	6.241
13	2-Methylphenol	108	10.004	10.003	(1.050)	495003	4.79255	4.793
17	Hexachloroethane	117	10.515	10.514	(1.103)	277859	5.52590	5.526
16	N-Nitroso-di-n-propylamine	70	10.349	10.348	(1.086)	689905	5.81178	5.812
15	4-Methylphenol	108	10.272	10.259	(1.078)	677770	4.63770	4.638
$ 18	Nitrobenzene-d5	82	Compound Not Detected.					

	19	Nitrobenzene	77	10.668	10.668	(0.887)	922720	5.52906	5.529
	20	Isophorone	82	11.102	11.102	(0.924)	1624844	6.31383	6.314
	21	2-Nitrophenol	139	11.294	11.294	(0.940)	238253	4.75297	4.753
	22	2,4-Dimethylphenol	107	11.307	11.306	(0.941)	473027	4.12274	4.123
	23	Bis(2-Chloroethoxy)methane	93	11.524	11.511	(0.959)	864818	6.40854	6.409
	24	Benzoic acid	105	11.485	11.396	(0.955)	732844	7.38164	7.382(M)
	25	2,4-Dichlorophenol	162	11.728	11.728	(0.976)	333365	5.68579	5.686
	26	1,2,4-Trichlorobenzene	180	11.932	11.919	(0.993)	346953	5.09211	5.092
*	27	Naphthalene-d8	136	12.021	12.021	(1.000)	999397	4.00000	
	28	Naphthalene	128	12.059	12.059	(1.003)	1533495	5.64173	5.642
	29	4-Chloroaniline	127	12.174	12.174	(1.013)	521497	4.21315	4.213
	30	Hexachlorobutadiene	225	12.403	12.403	(1.032)	162004	5.17310	5.173
	31	4-Chloro-3-methylphenol	107	13.117	13.117	(1.091)	538110	4.79816	4.798
	32	2-Methylnaphthalene	142	13.449	13.449	(1.119)	1010655	5.37027	5.370
	33	Hexachlorocyclopentadiene	237	13.908	13.908	(0.890)	186721	4.28193	4.282

		QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
	Compounds							
34	2,4,6-Trichlorophenol	196	14.061	14.061	(0.900)	211027	4.37559	4.376
35	2,4,5-Trichlorophenol	196	14.125	14.125	(0.904)	224420	5.12673	5.127
$ 36	2-Fluorobiphenyl	172	Compound Not Detected.					
37	2-Chloronaphthalene	162	14.444	14.444	(0.924)	844636	5.50677	5.507
38	2-Nitroaniline	65	14.699	14.699	(0.940)	573338	4.62995	4.630
39	Dimethylphthalate	163	15.120	15.107	(0.967)	906040	5.66456	5.665
40	Acenaphthylene	152	15.324	15.311	(0.980)	1373659	5.81809	5.818
41	2,6-Dinitrotoluene	165	15.260	15.260	(0.976)	200136	5.75665	5.757
* 42	Acenaphthene-d10	164	15.630	15.630	(1.000)	458301	4.00000	
43	3-Nitroaniline	138	15.553	15.540	(0.995)	243386	4.28419	4.284
44	Acenaphthene	153	15.693	15.693	(1.004)	855058	5.76800	5.768
45	2,4-Dinitrophenol	184	15.757	15.757	(1.008)	66543	3.26759	3.268
46	Dibenzofuran	168	16.012	16.012	(1.024)	1088783	5.40736	5.407
47	4-Nitrophenol	109	15.834	15.833	(1.013)	184396	4.55597	4.556
48	2,4-Dinitrotoluene	165	16.076	16.063	(1.029)	260979	4.76165	4.762
50	Diethylphthalate	149	16.560	16.560	(1.060)	995420	4.84838	4.848
49	Fluorene	166	16.726	16.726	(1.070)	896893	5.56490	5.565
51	4-Chlorophenyl-phenylether	204	16.713	16.700	(1.069)	416370	5.71968	5.720
52	4-Nitroaniline	138	16.815	16.815	(1.076)	232986	5.12698	5.127
53	4,6-Dinitro-2-methylphenol	198	16.904	16.904	(0.906)	107002	3.71892	3.719
54	N-Nitrosodiphenylamine	169	16.955	16.955	(0.909)	609701	5.25249	5.252
$ 55	2,4,6-Tribromophenol	330	Compound Not Detected.					
56	4-Bromophenyl-phenylether	248	17.706	17.705	(0.949)	177638	5.56587	5.566
57	Hexachlorobenzene	284	18.037	18.037	(0.967)	175467	4.98567	4.986
58	Pentachlorophenol	266	18.381	18.394	(0.985)	102188	4.90302	4.903
* 59	Phenanthrene-d10	188	18.662	18.662	(1.000)	768042	4.00000	
60	Phenanthrene	178	18.713	18.700	(1.003)	1217609	5.48433	5.484
61	Anthracene	178	18.802	18.802	(1.008)	1033794	5.19179	5.192
62	Carbazole	167	19.121	19.121	(1.025)	964829	4.70797	4.708
63	Di-n-butylphthalate	149	19.873	19.860	(1.065)	1803987	4.88629	4.886
64	Fluoranthene	202	21.059	21.059	(0.891)	1291281	6.14066	6.141
65	Pyrene	202	21.480	21.480	(0.908)	1290184	5.87262	5.873
$ 66	Terphenyl-d14	244	Compound Not Detected.					
67	Butylbenzylphthalate	149	22.641	22.641	(0.957)	807112	5.34587	5.346
68	Benzo(a)anthracene	228	23.610	23.610	(0.998)	1064047	5.38404	5.384
* 69	Chrysene-d12	240	23.649	23.636	(1.000)	513664	4.00000	
70	3,3'-Dichlorobenzidine	252	23.559	23.559	(0.996)	651023	11.0516	11.05
71	Chrysene	228	23.687	23.687	(1.002)	940459	5.55666	5.557
72	bis(2-Ethylhexyl)phthalate	149	23.636	23.636	(0.959)	1175166	5.56131	5.561
* 134	Di-n-octylphthalate-d4	153	24.644	24.643	(1.000)	1284068	4.00000	

	73	Di-n-octylphthalate	149	24.656	24.656	(1.001)	1942342	5.60048	5.600
	74	Benzo(b)fluoranthene	252	25.600	25.600	(0.968)	1012738	4.67085	4.671
	75	Benzo(k)fluoranthene	252	25.651	25.638	(0.970)	993893	5.40805	5.408
	76	Benzo(a)pyrene	252	26.328	26.315	(0.995)	863816	5.20063	5.201
*	77	Perylene-d12	264	26.455	26.442	(1.000)	497389	4.00000	
	78	Indeno(1,2,3-cd)pyrene	276	29.419	29.380	(1.112)	968437	4.76498	4.765
	79	Dibenzo(a,h)anthracene	278	29.419	29.393	(1.112)	812204	4.55302	4.553
	80	Benzo(g,h,i)perylene	276	30.288	30.262	(1.145)	775552	5.56629	5.566(M)
	90	N-Nitrosodimethylamine	74	5.211	5.198	(0.547)	623091	5.57611	5.576
	91	Aniline	93	Compound Not Detected.					
	93	Benzidine	184	21.276	21.276	(0.900)	207672	2.02581	2.026
	103	Pyridine	79	5.224	5.224	(0.548)	858478	5.37379	5.374
	105	1-methylnaphthalene	142	13.678	13.666	(1.138)	979212	5.67422	5.674
	111	Azobenzene (1,2-DP-Hydrazine)	77	17.031	17.031	(1.090)	2019978	5.78472	5.785

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.651	25.638	(0.970)	1892523	11.1455	11.15
120 2,3,4,6-Tetrachlorophenol	232	16.343	16.343	(1.046)	166955	4.94743	4.947

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102312.D
Lab Smp Id: SEQ-SCV1
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\ABN.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 13:47
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	270862	135431	541724	238152	-12.08
27 Naphthalene-d8	1109588	554794	2219176	999397	-9.93
42 Acenaphthene-d10	499186	249593	998372	458301	-8.19
59 Phenanthrene-d10	798865	399433	1597730	768042	-3.86
69 Chrysene-d12	542628	271314	1085256	513664	-5.34
134 Di-n-octylphthala	1404894	702447	2809788	1284068	-8.60
77 Perylene-d12	520366	260183	1040732	497389	-4.42

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.53	9.03	10.03	9.53	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.66	0.00
69 Chrysene-d12	23.65	23.15	24.15	23.65	0.00
134 Di-n-octylphthala	24.64	24.14	25.14	24.64	0.00
77 Perylene-d12	26.46	25.96	26.96	26.46	0.00

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

REVIEW SUMMARY FOR FILE - NT1708102312.D

Lab ID: SEQ-SCV1
nt17.i, ABN.m, 10-AUG-2023 18:45

RT	CO-ELUTION COMPOUNDS
29.419	Indeno(1,2,3-cd)pyrene and Dibenzo(a,h)anthracene
29.419	Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene

** FIRST SURROGATE NOT FOUND. ICAL Check not performed **

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.955	0.948	0.0074	Benzoic acid

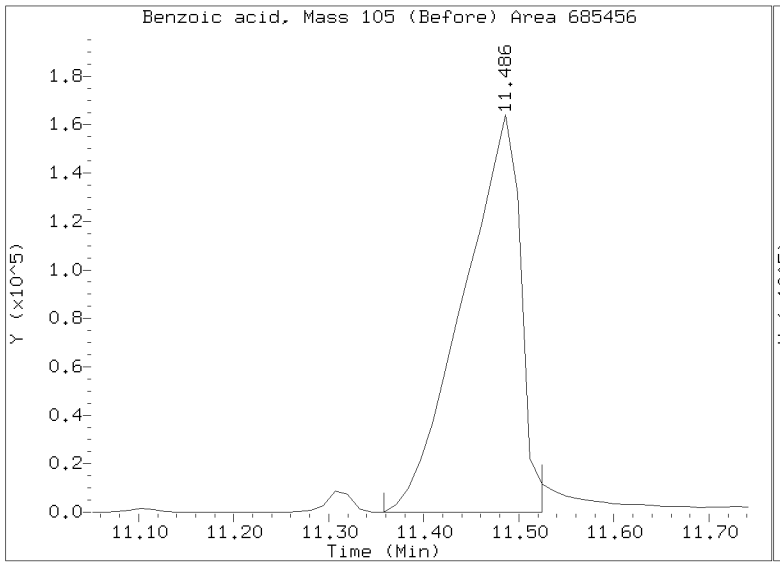
RRT check based on Ccal File: NT1708102308.D

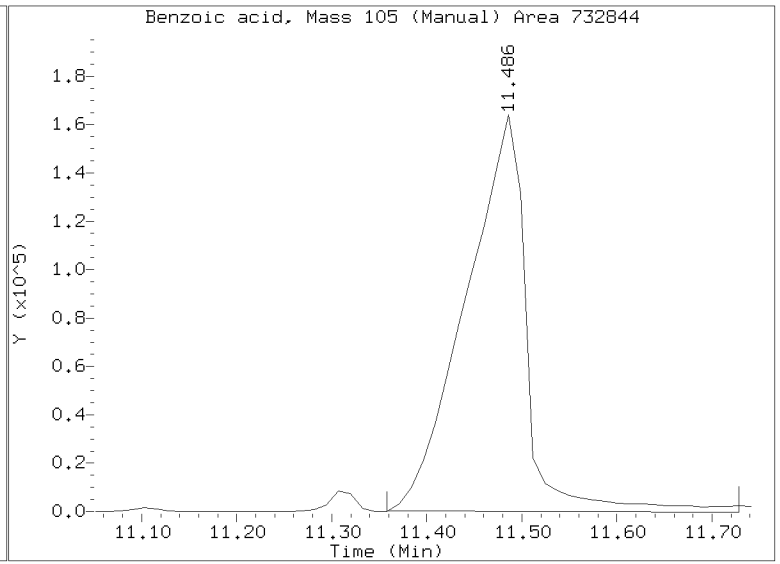
On Column LOD for nt17.i, ABN.m, ICAL.sub = 0.0000

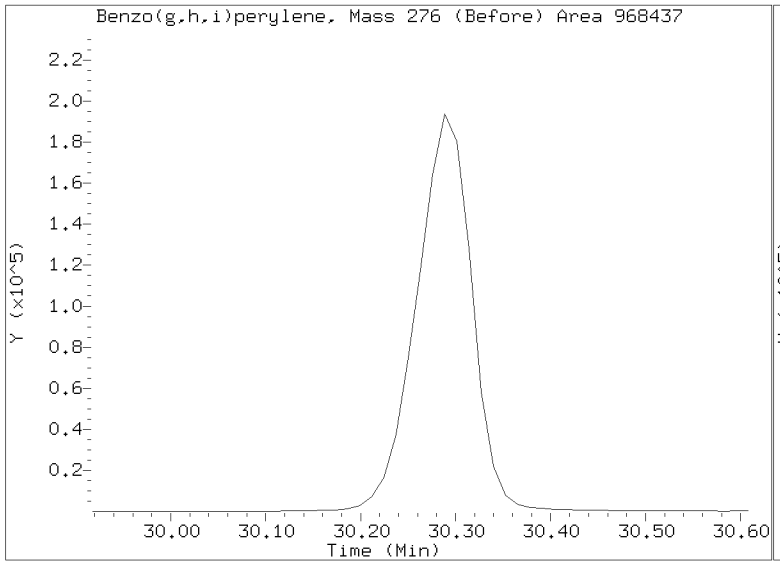
* Only compounds listed in the work order have been verified by the analyst *

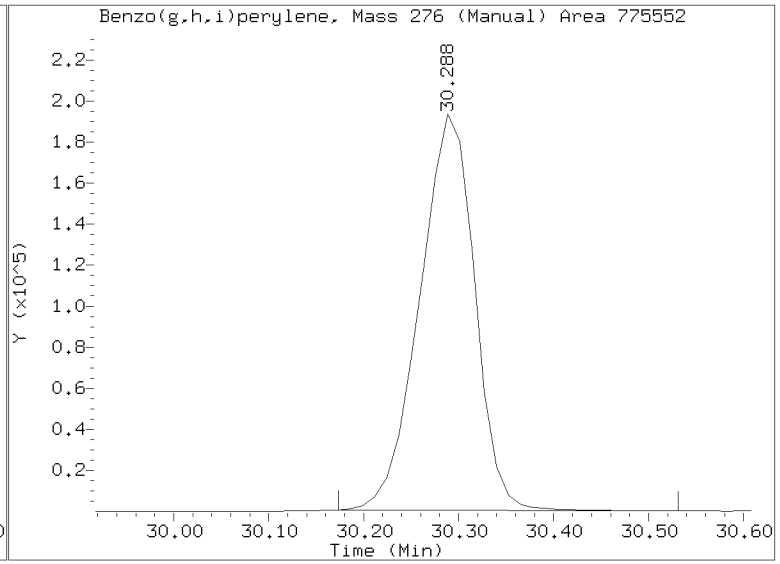
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230810.b/NT1708102312.D
Injection Date: 10-AUG-2023 18:45
Lab ID:SEQ-SCV1 Client ID:
Report Date: 08/17/2023 08:14









Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Instrument ID:	NT17	Calibration:	GH00044
Lab File ID:	NT1708112319.D	Calibration Date:	08/10/2023
Sequence:	SLH0241	Injection Date:	08/11/23
Lab Sample ID:	SLH0241-CCV1	Injection Time:	23:25
Sequence Name:	ABN 5		

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Phenol	A	5.0000	5.1	2.6683440	2.7455990		2.9	+/-50
4-Methylphenol	A	5.0000	5.0	2.1569720	2.4670300		0.5	+/-50
Naphthalene	A	5.0000	5.0	1.0879080	1.0987270		1.0	+/-50
2-Methylnaphthalene	A	5.0000	5.3	0.7532315	0.7953898		5.6	+/-50
Acenaphthylene	A	5.0000	5.2	2.0606670	2.1489620		4.3	+/-50
Dimethylphthalate	A	5.0000	5.3	1.3960150	1.4791420		6.0	+/-50
Acenaphthene	A	5.0000	5.1	1.2938380	1.3068200		1.0	+/-50
Dibenzofuran	A	5.0000	5.1	1.7573770	1.7894420		1.8	+/-50
Fluorene	A	5.0000	5.0	1.4066720	1.4131820		0.5	+/-50
Phenanthrene	A	5.0000	5.0	1.1562710	1.1637160		0.6	+/-50
Anthracene	A	5.0000	5.4	1.0370310	1.1293340		8.9	+/-50
Fluoranthene	A	5.0000	5.4	1.6375210	1.7829250		8.9	+/-50
Pyrene	A	5.0000	5.5	1.7108040	1.8766080		9.7	+/-50
Butylbenzylphthalate	A	5.0000	5.4	0.9323885	1.2648480		7.6	+/-50
Benzo(a)anthracene	A	5.0000	4.9	1.5389820	1.5171050		-1.4	+/-50
Chrysene	A	5.0000	5.0	1.3179730	1.3158070		-0.2	+/-50
bis(2-Ethylhexyl)phthalate	A	5.0000	4.8	0.5927176	0.6309529		-4.1	+/-50
Benzofluoranthenes, Total	A	10.000	10.2	1.3655470	1.3876530		1.6	+/-50
Benzo(a)pyrene	A	5.0000	4.3	1.0775790	1.1503230		-13.9	+/-50
Indeno(1,2,3-cd)pyrene	A	5.0000	4.1	1.3421580	1.3406930		-18.0	+/-50
Dibenzo(a,h)anthracene	A	5.0000	4.0	1.1755640	1.1590370		-19.2	+/-50
Benzo(g,h,i)perylene	A	5.0000	4.8	1.1204920	1.0721430		-4.3	+/-50
2-Fluorophenol	A	7.5000	7.96	1.8089450	1.9200080		6.1	+/-50
Phenol-d5	A	7.5000	8.03	2.5756470	2.7592010		7.1	+/-50
2-Chlorophenol-d4	A	7.5000	7.83	1.6037110	1.6742000		4.4	+/-50
1,2-Dichlorobenzene-d4	A	5.0000	4.99	0.9984815	0.9964616		-0.2	+/-50
Nitrobenzene-d5	A	5.0000	5.76	0.6217277	0.7166485		15.3	+/-50
2-Fluorobiphenyl	A	5.0000	4.97	1.4793200	1.4692940		-0.7	+/-50
2,4,6-Tribromophenol	A	7.5000	7.56	0.1151825	0.1253912		0.8	+/-50
p-Terphenyl-d14	A	5.0000	5.13	1.2089530	1.2397820		2.6	+/-50

* Values outside of QC limits

Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Page 1

Date : 11-AUG-2023 23:25

Client ID:

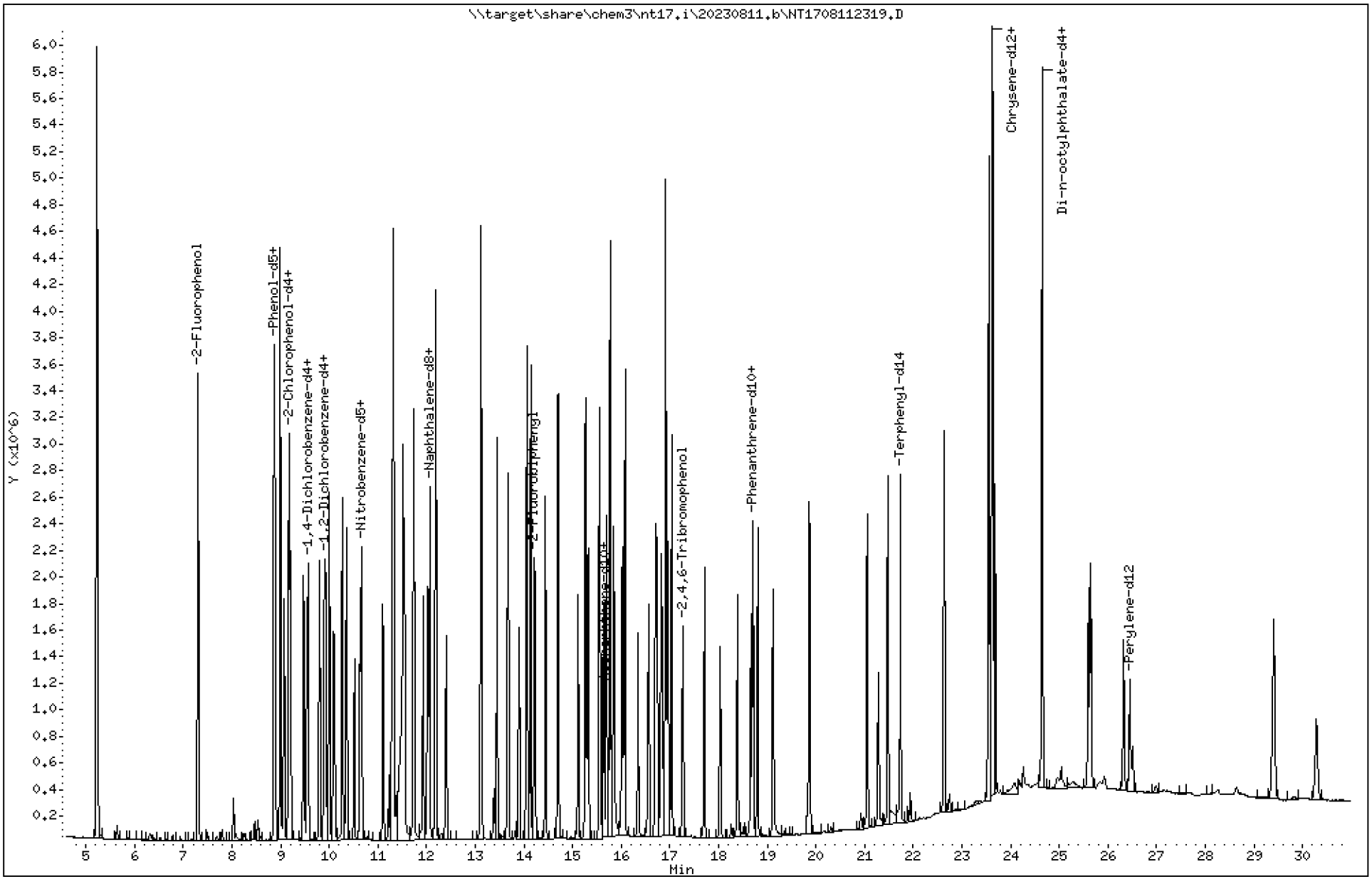
Instrument: nt17.i

Sample Info: SEQ-CCV1

Operator: JGR

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

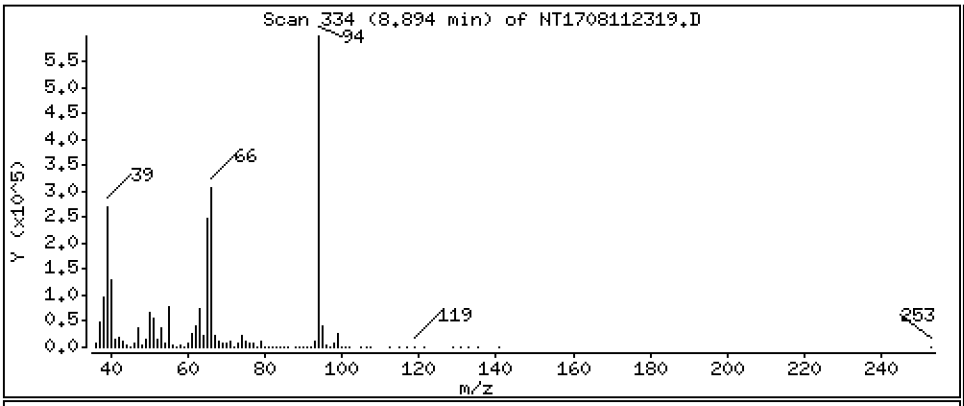
Operator: JGR

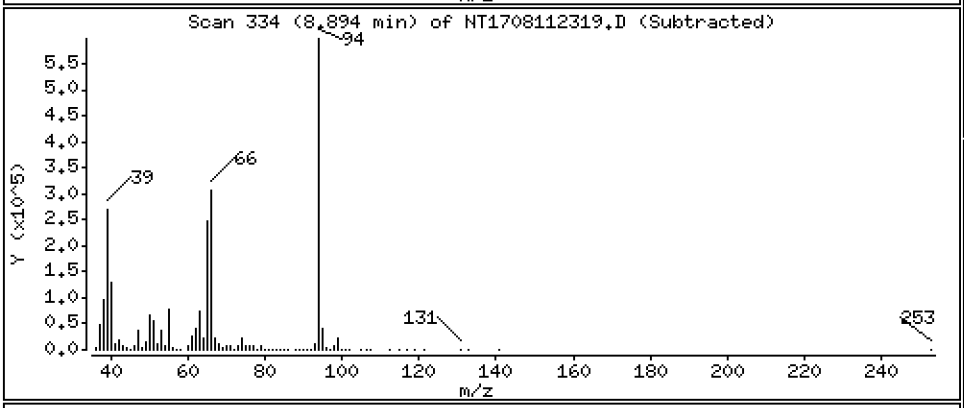
Column phase: ZB-5msi

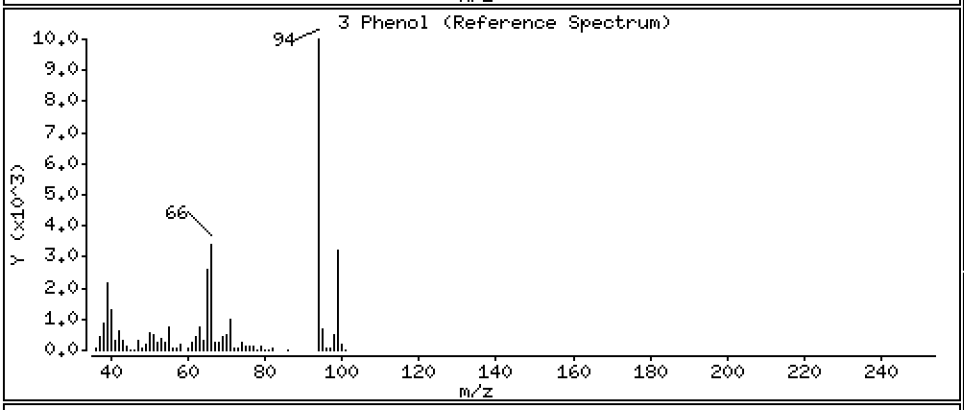
Column diameter: 0.25

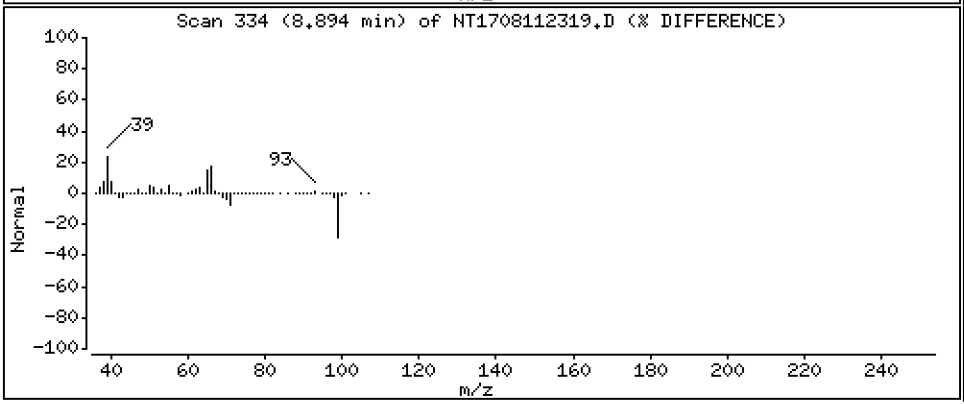
3 Phenol

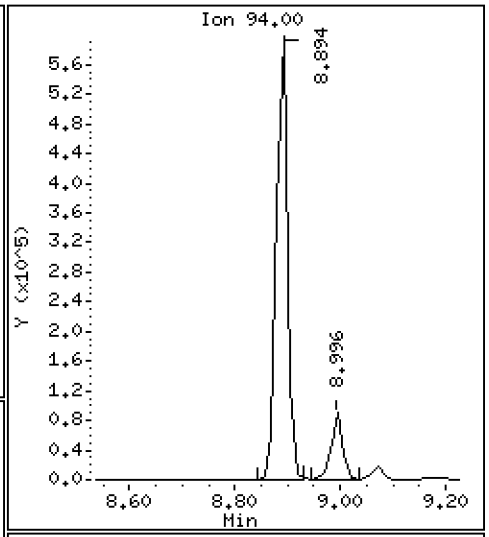
Concentration: 5.145 ug/mL

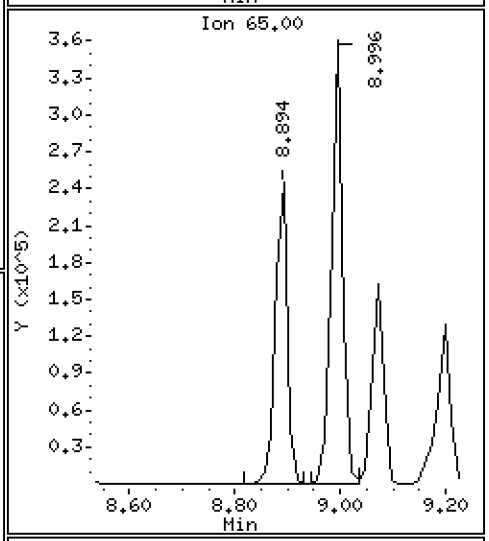


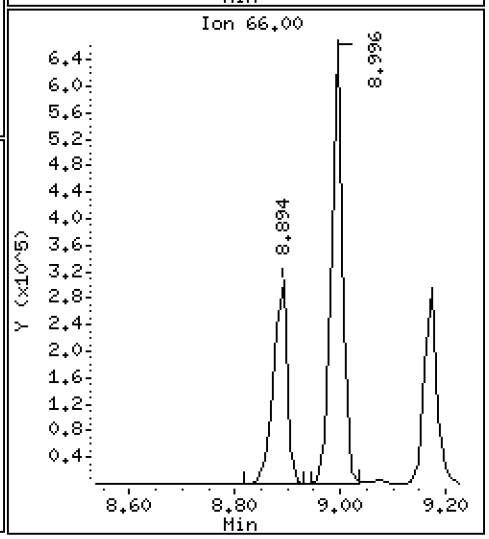












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Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

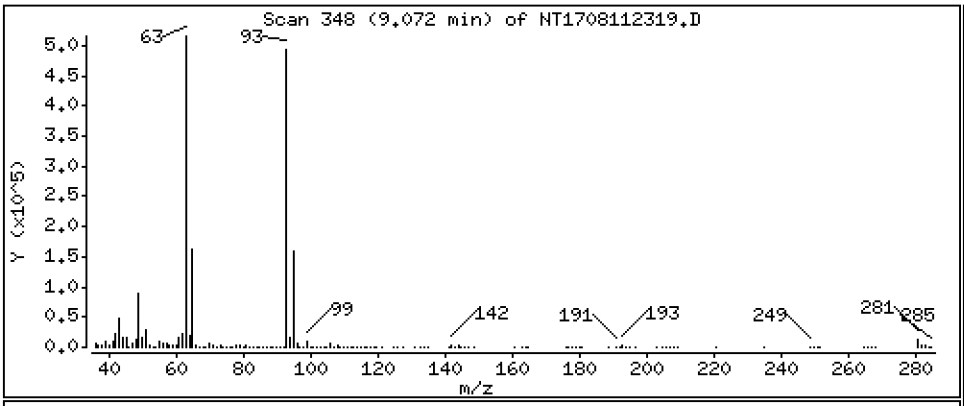
Operator: JGR

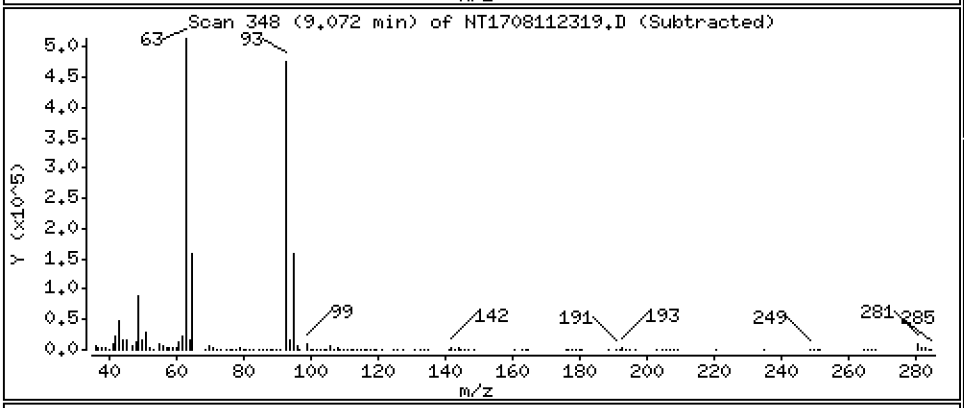
Column phase: ZB-5msi

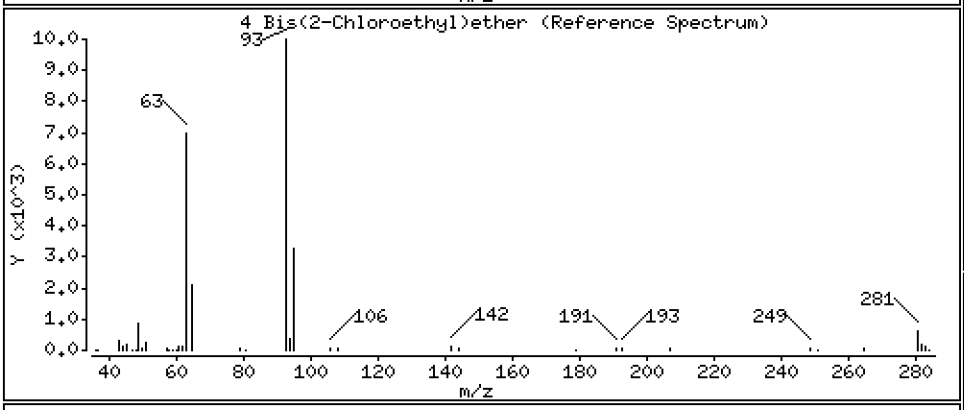
Column diameter: 0.25

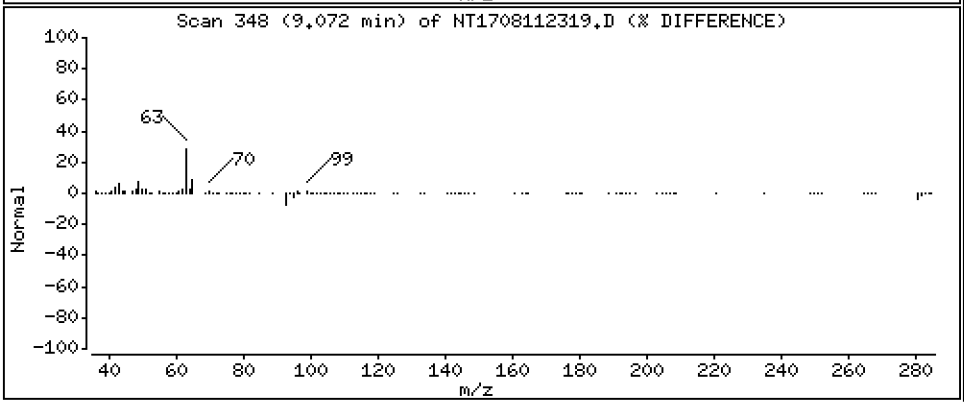
4 Bis(2-Chloroethyl)ether

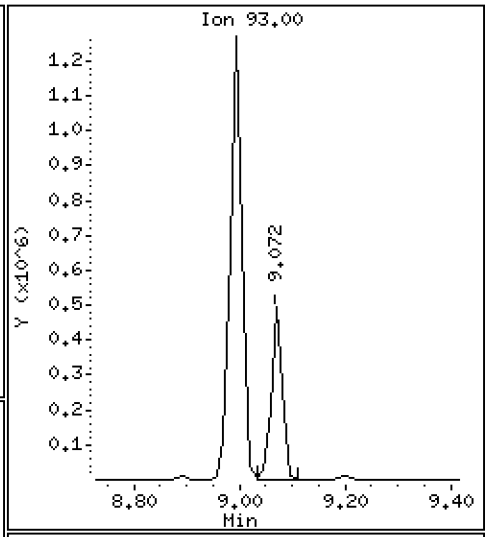
Concentration: 5.050 ug/mL

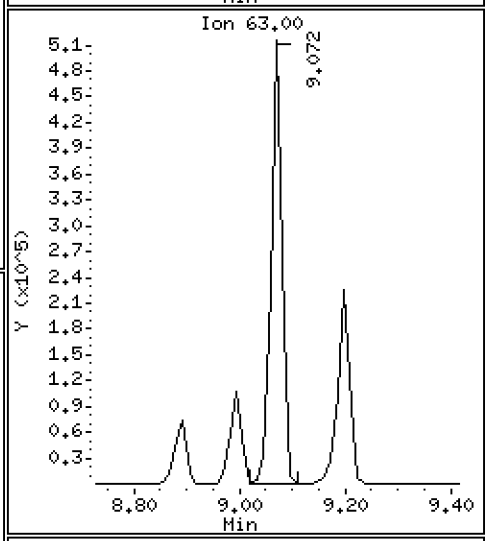


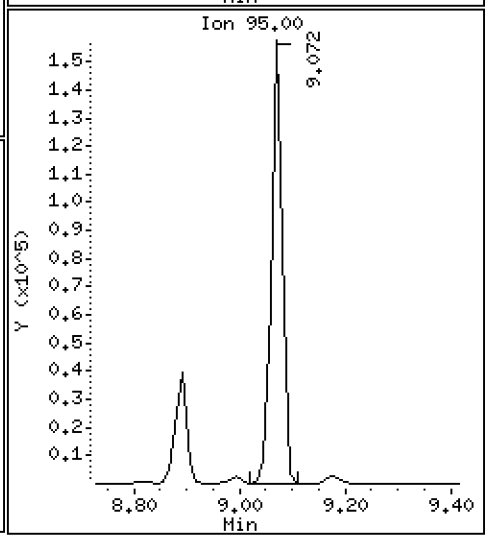












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Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

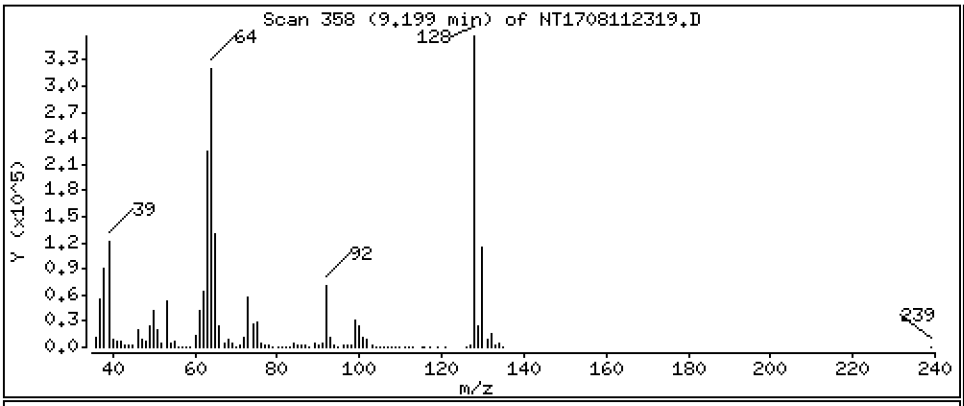
Operator: JGR

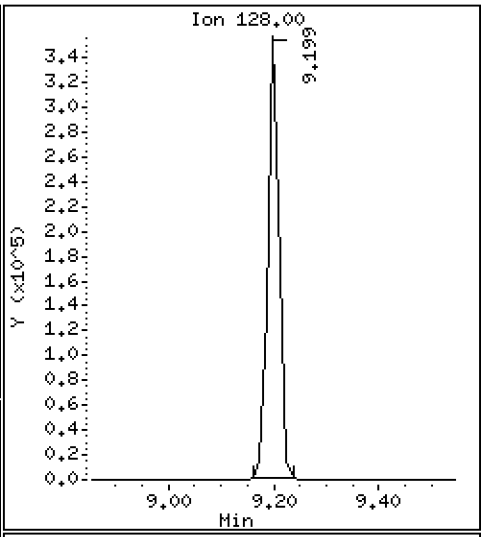
Column phase: ZB-5msi

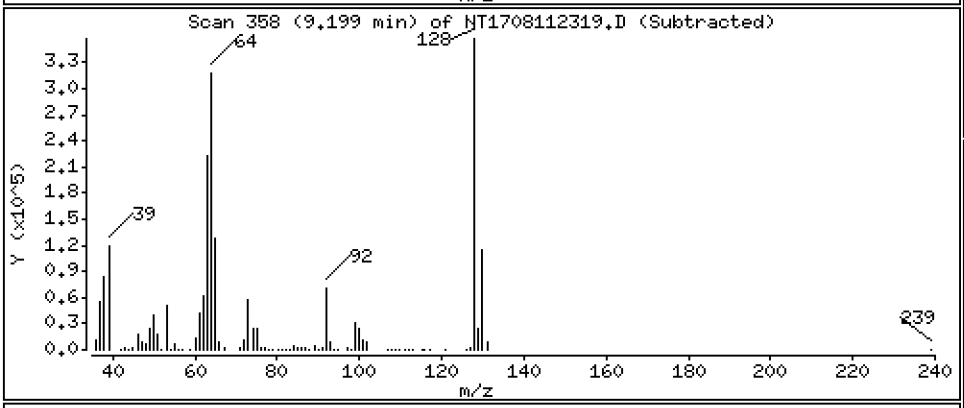
Column diameter: 0.25

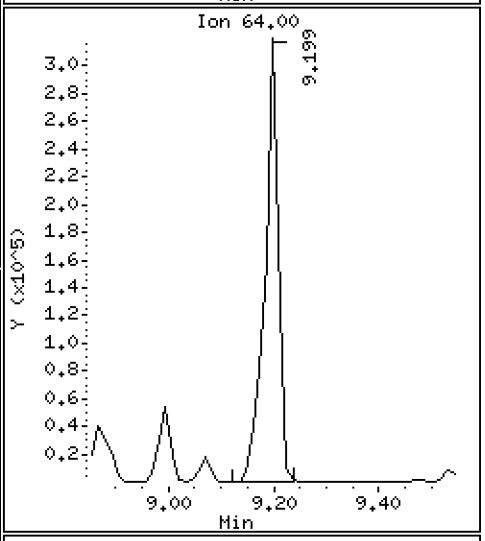
6 2-Chlorophenol

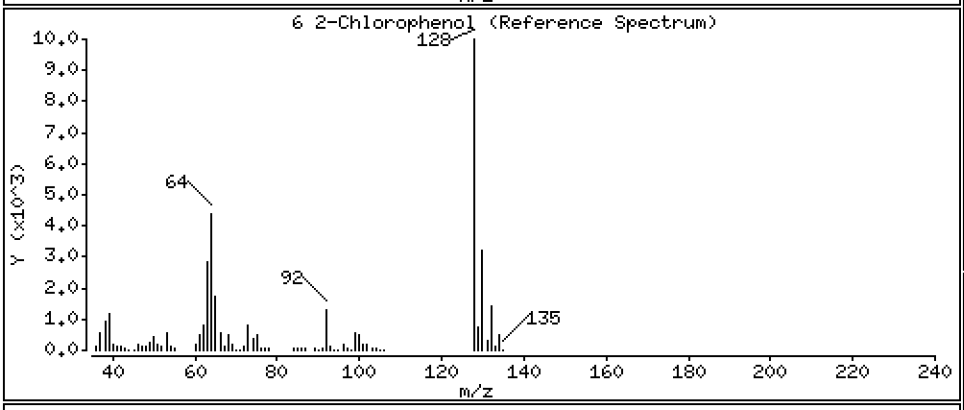
Concentration: 5.081 ug/mL

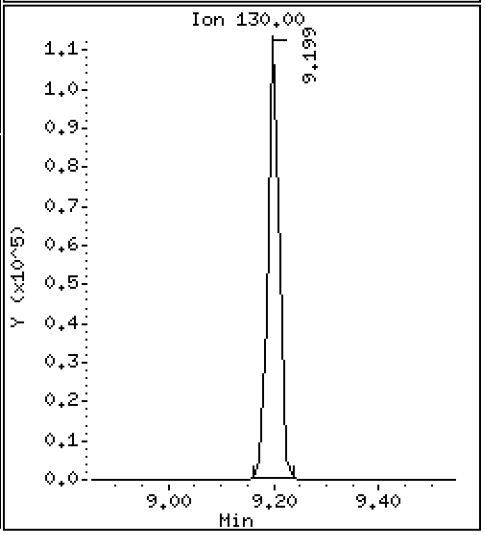


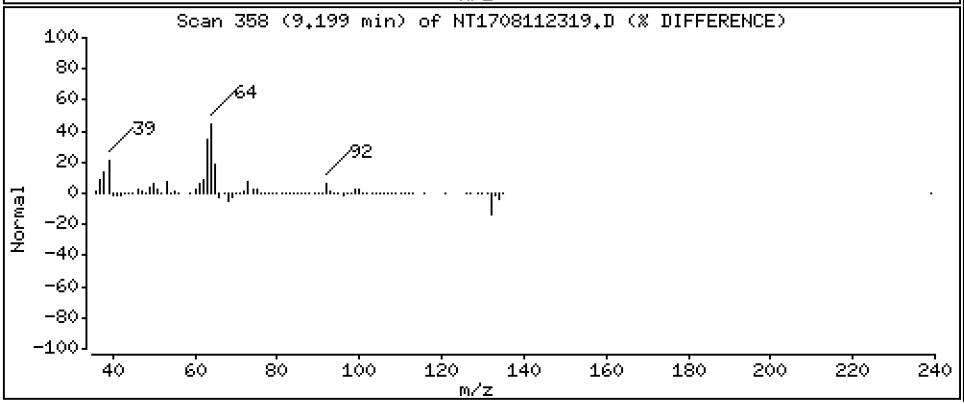












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

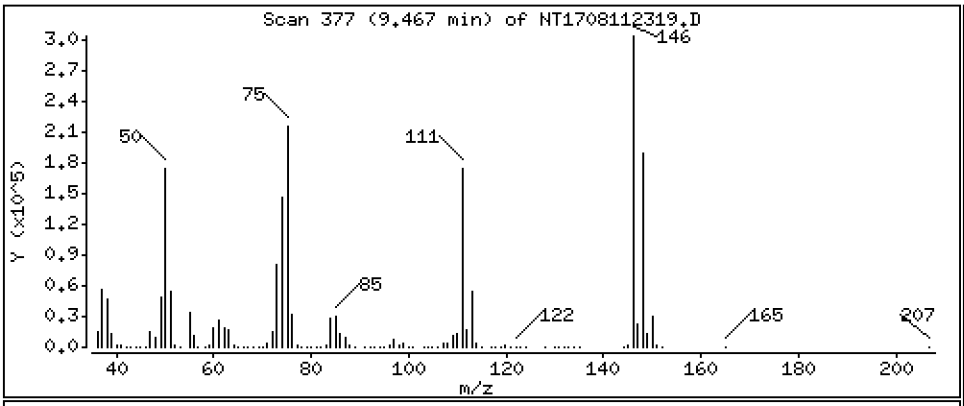
Operator: JGR

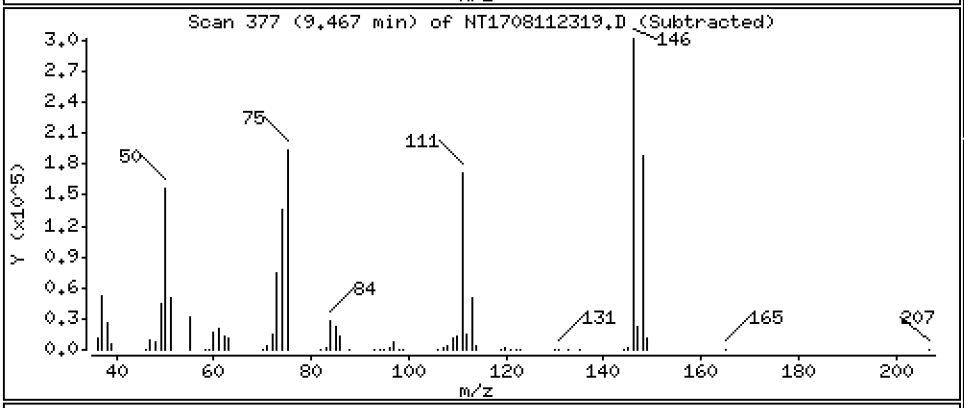
Column phase: ZB-5msi

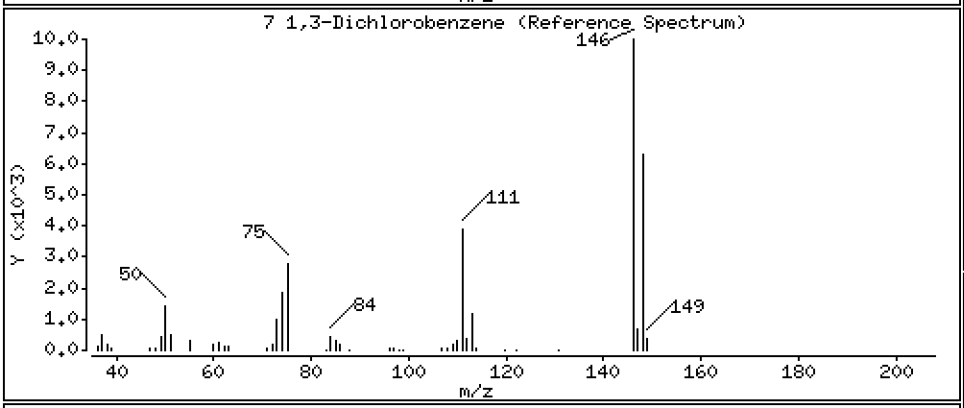
Column diameter: 0.25

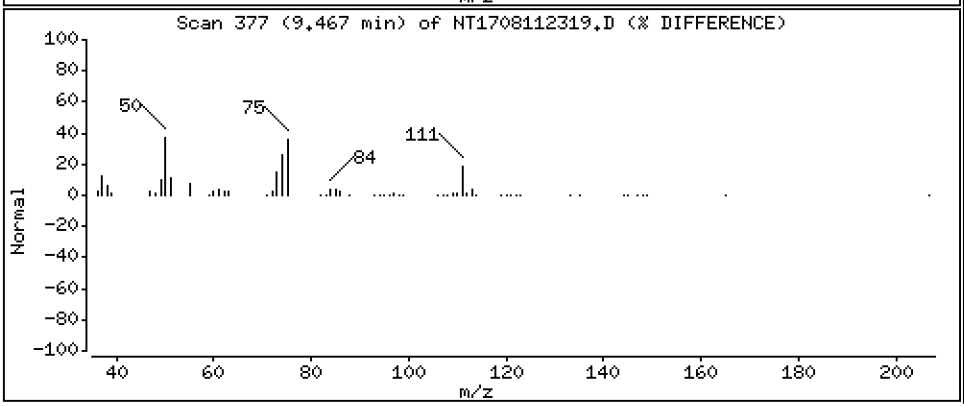
7 1,3-Dichlorobenzene

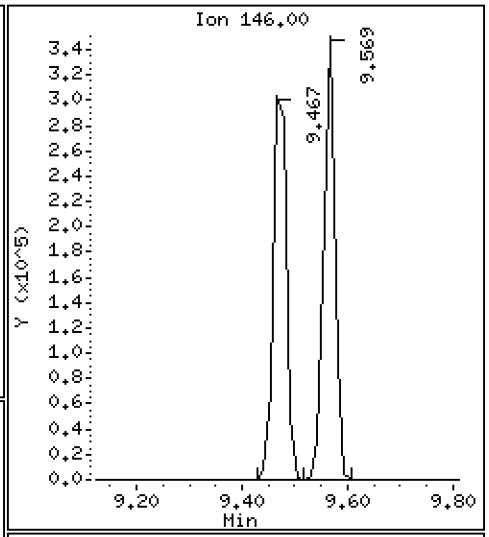
Concentration: 4.999 ug/mL

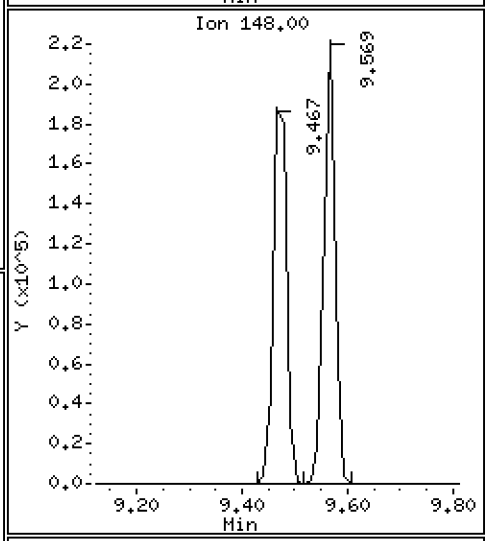


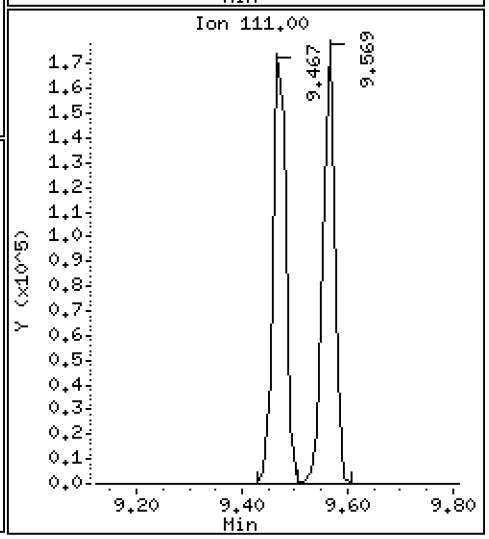












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Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

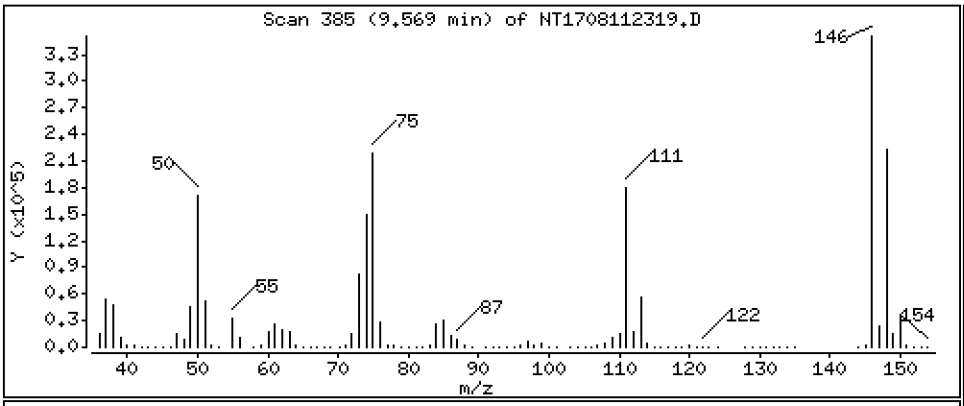
Operator: JGR

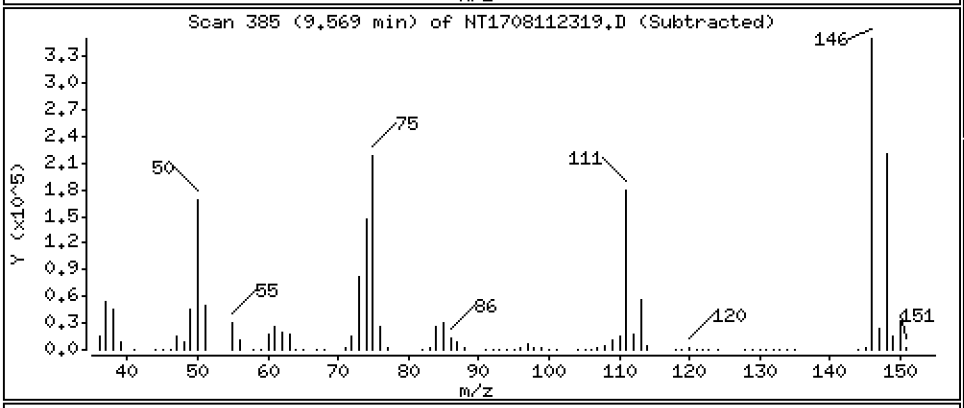
Column phase: ZB-5msi

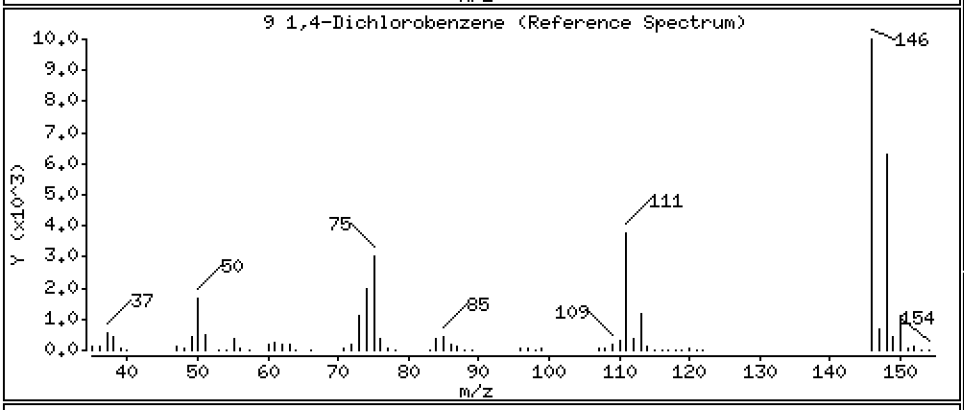
Column diameter: 0.25

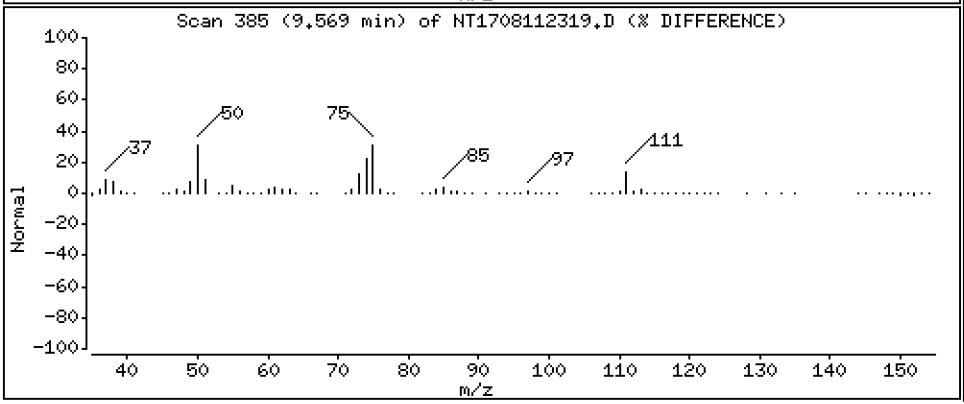
9 1,4-Dichlorobenzene

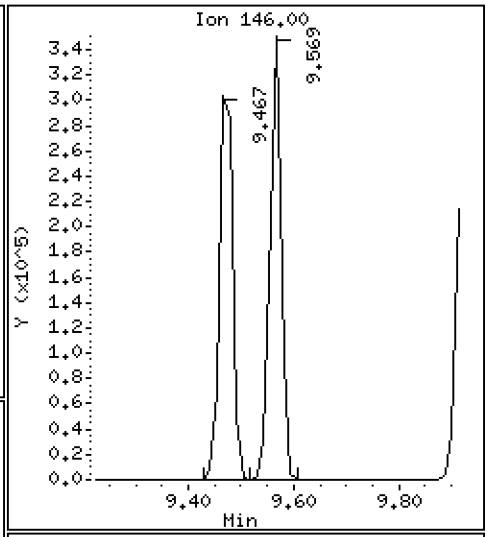
Concentration: 4.971 ug/mL

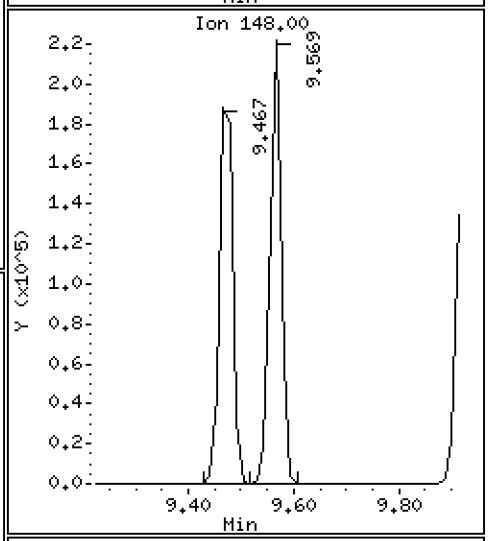


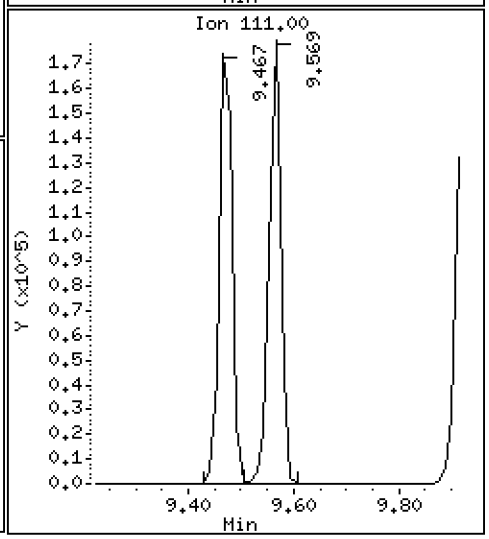












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Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

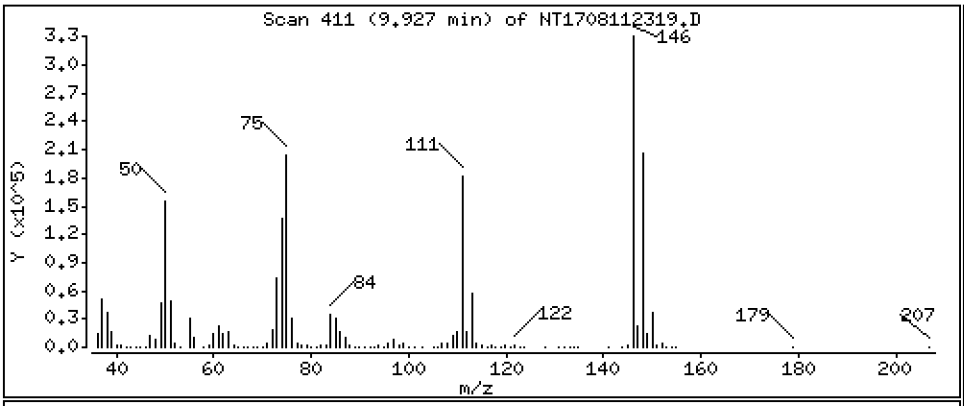
Operator: JGR

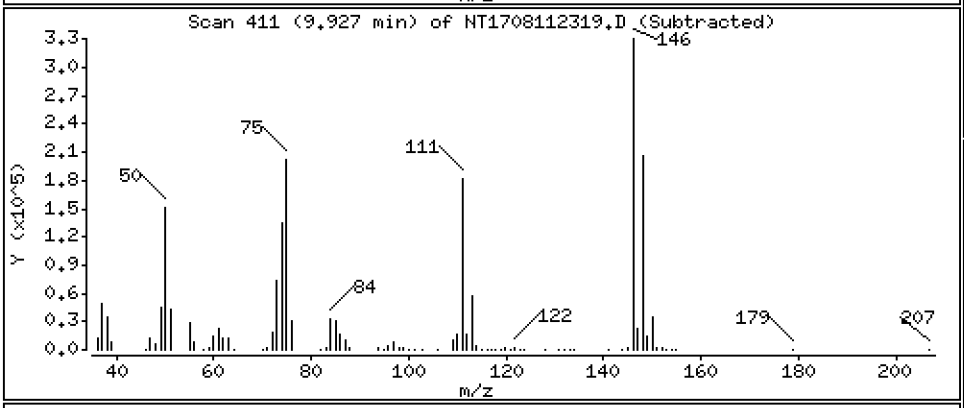
Column phase: ZB-5msi

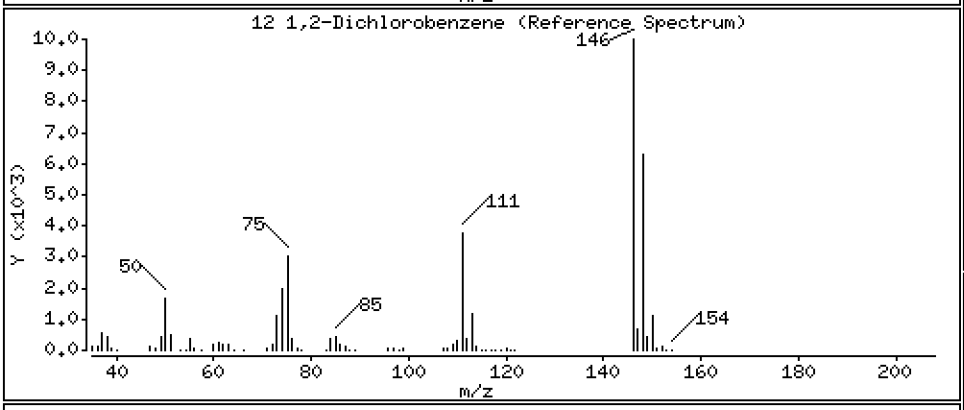
Column diameter: 0.25

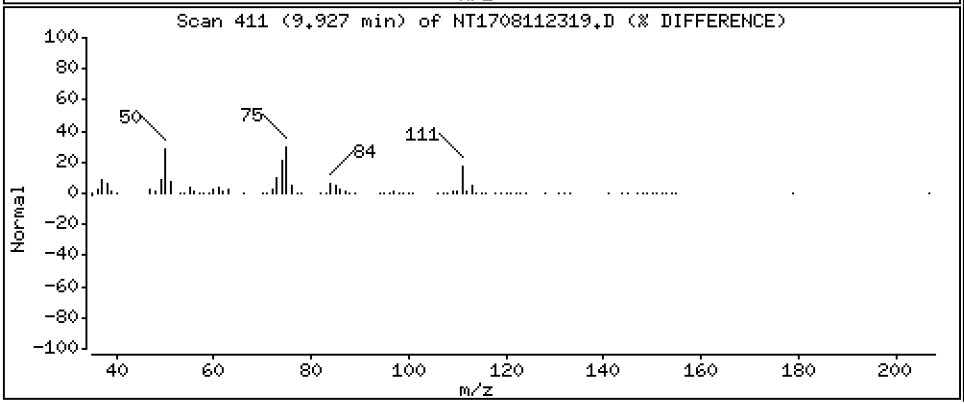
12 1,2-Dichlorobenzene

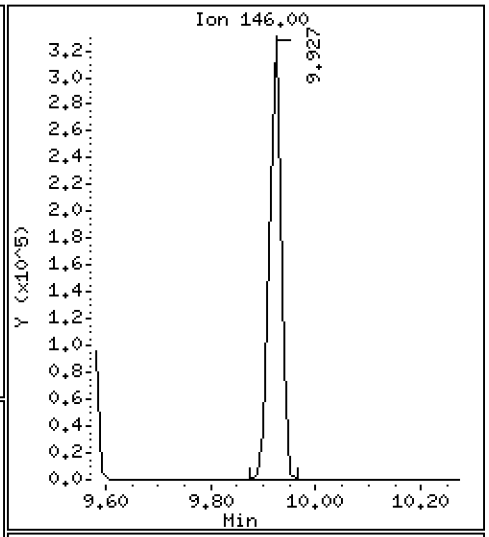
Concentration: 5.008 ug/mL

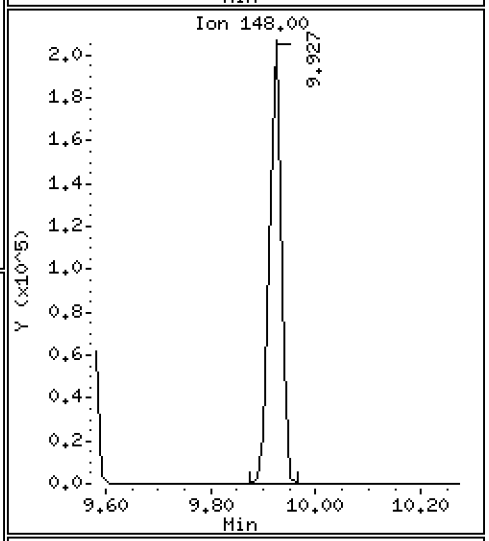


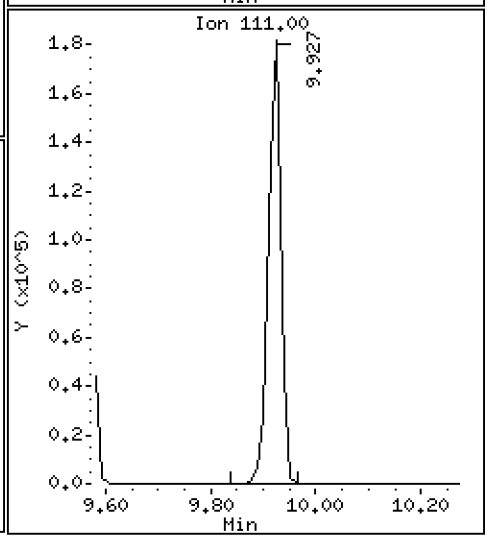












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Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

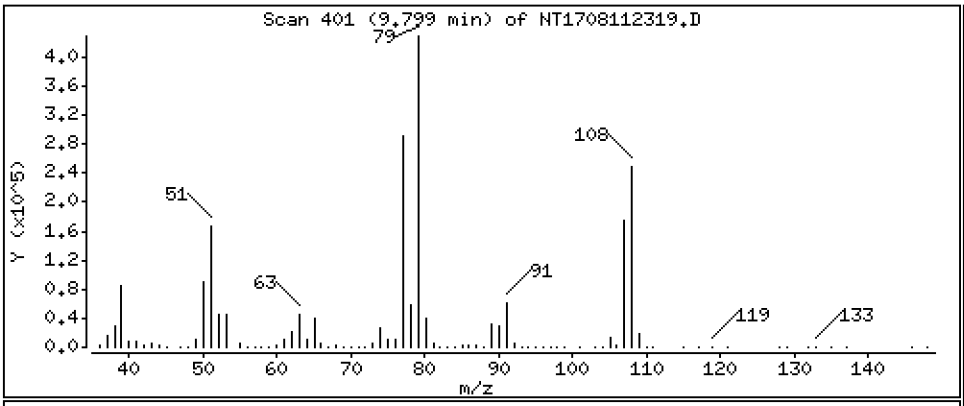
Operator: JGR

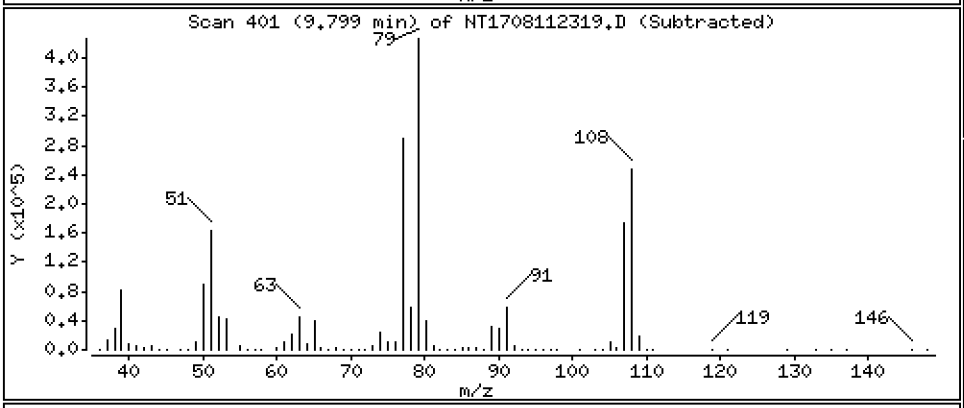
Column phase: ZB-5msi

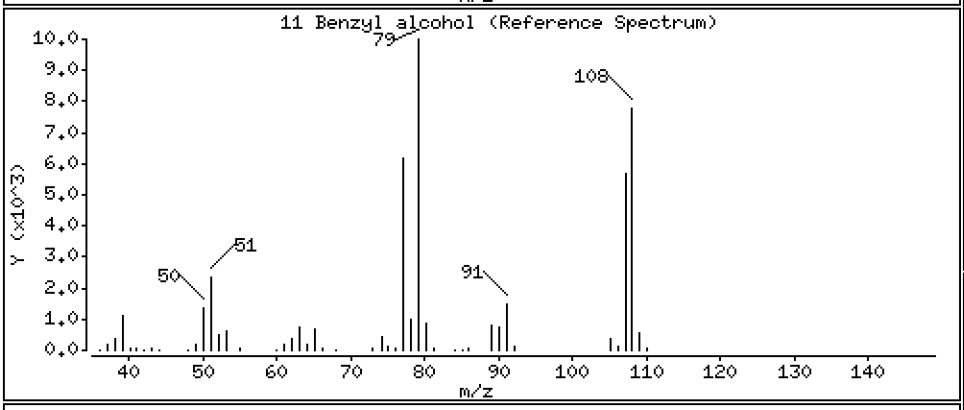
Column diameter: 0.25

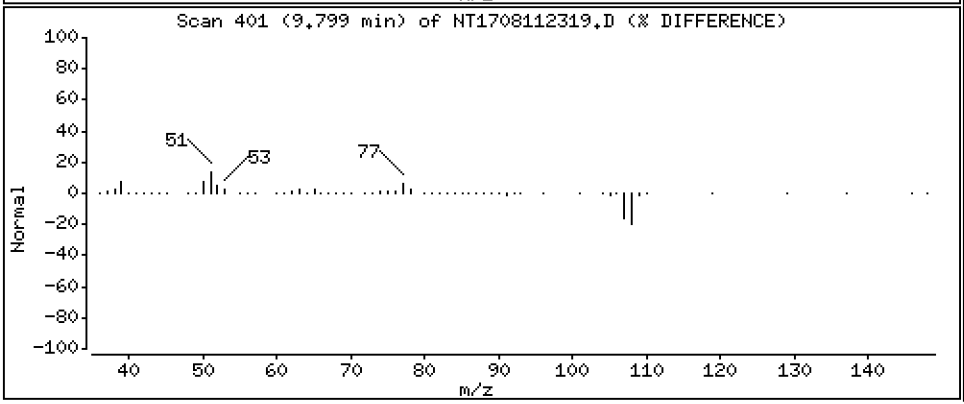
11 Benzyl alcohol

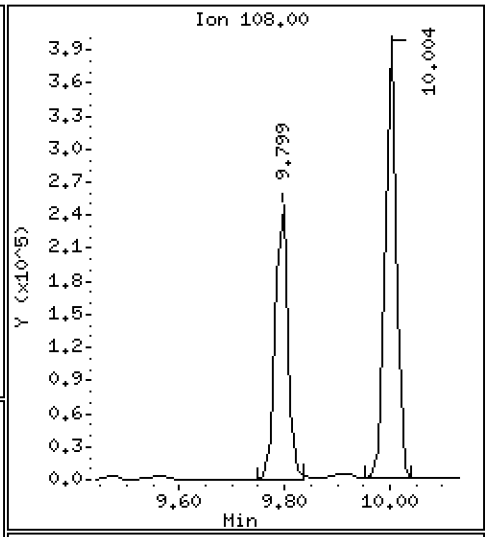
Concentration: 5.355 ug/mL

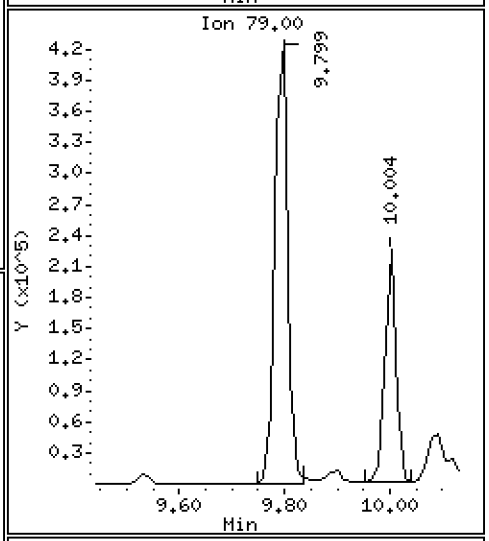


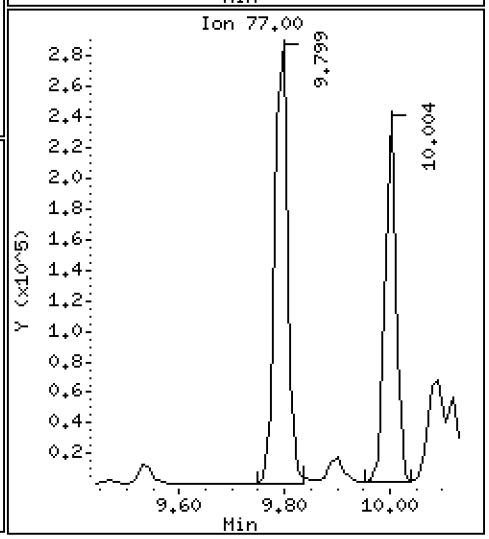












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Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

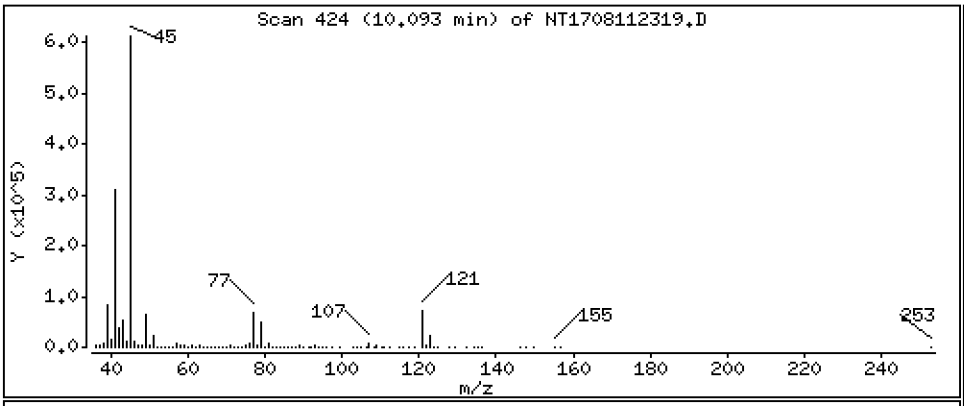
Operator: JGR

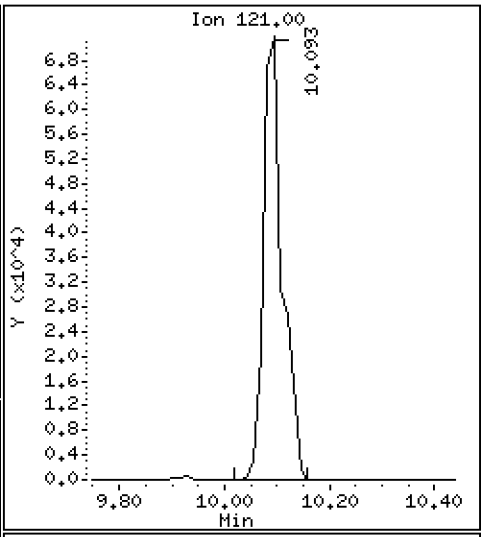
Column phase: ZB-5msi

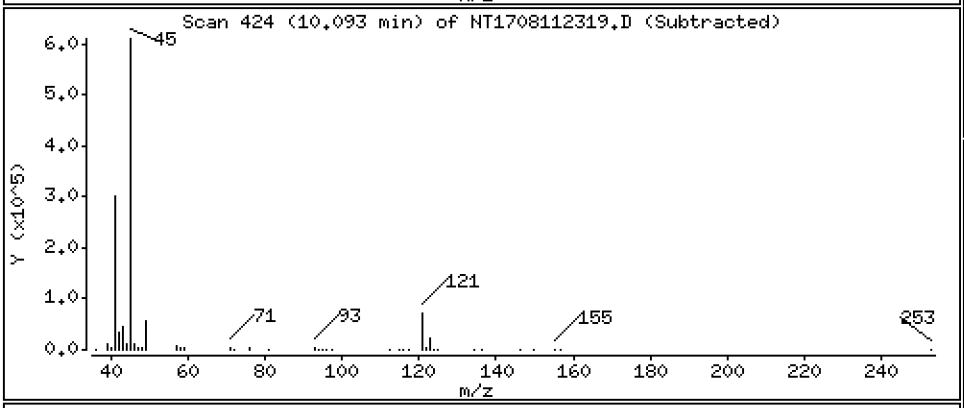
Column diameter: 0.25

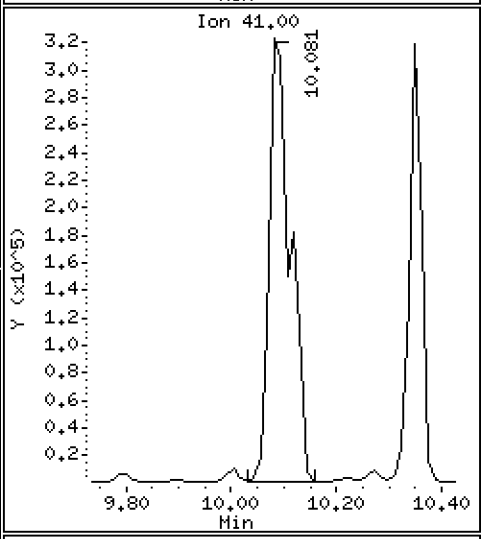
14 2,2'-oxybis(1-Chloropropane)

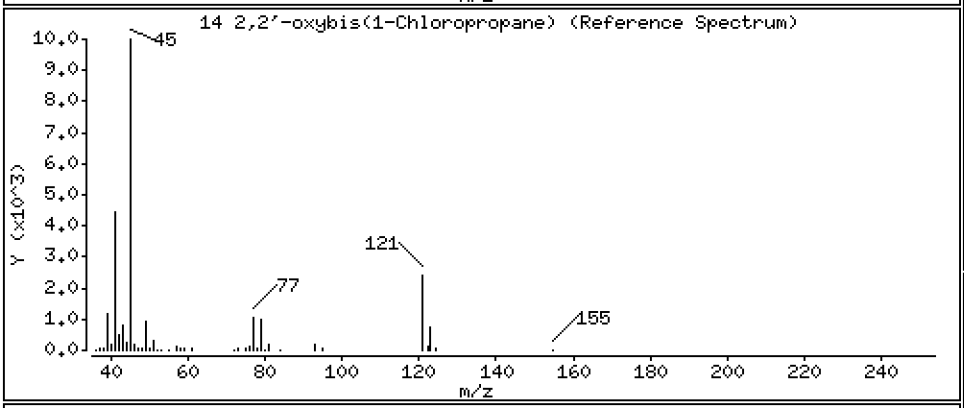
Concentration: 5.229 ug/mL

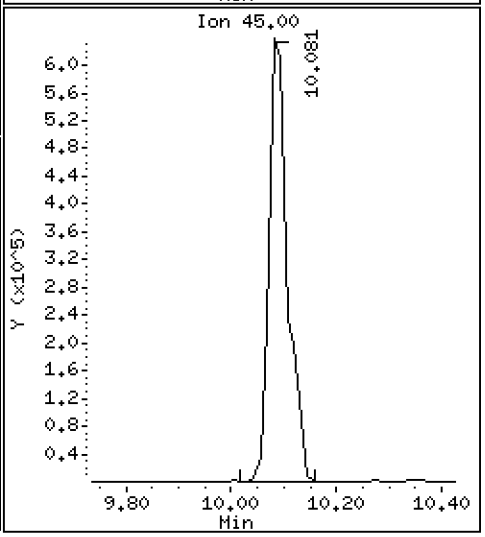


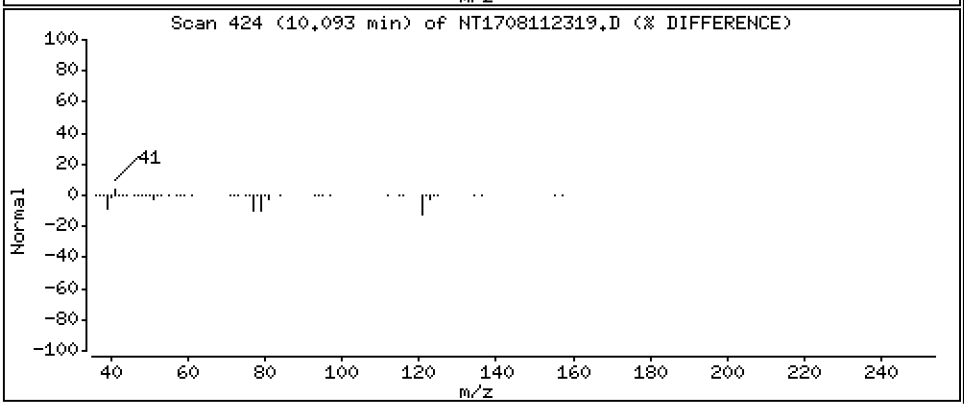












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Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

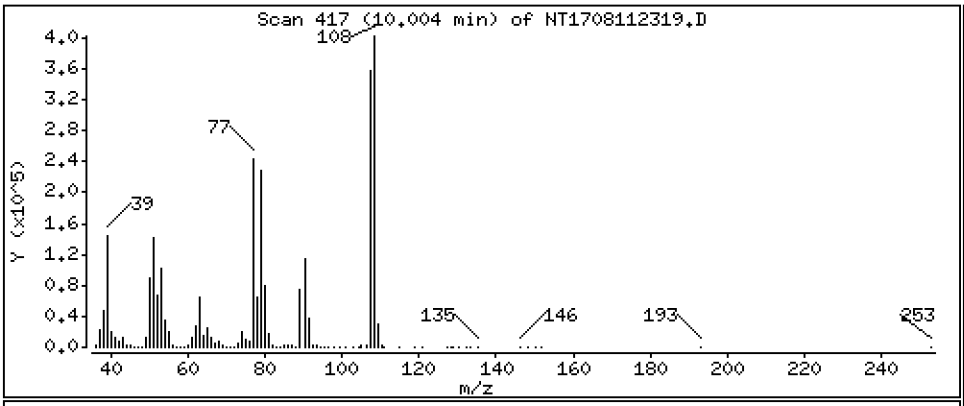
Operator: JGR

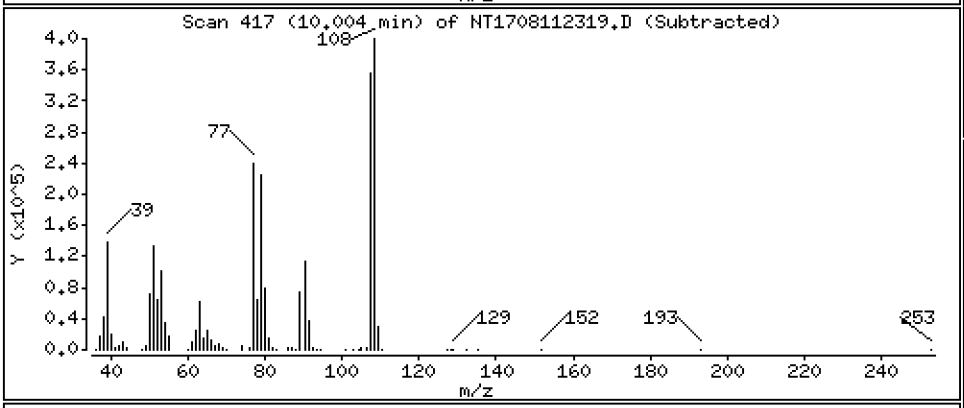
Column phase: ZB-5msi

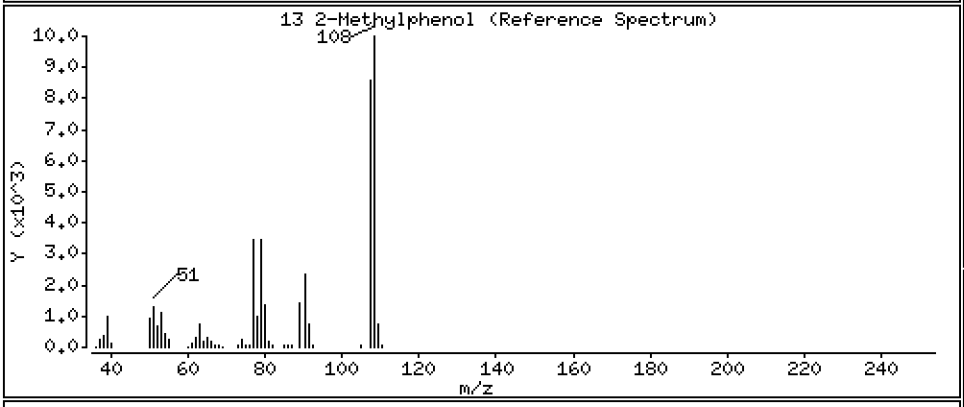
Column diameter: 0.25

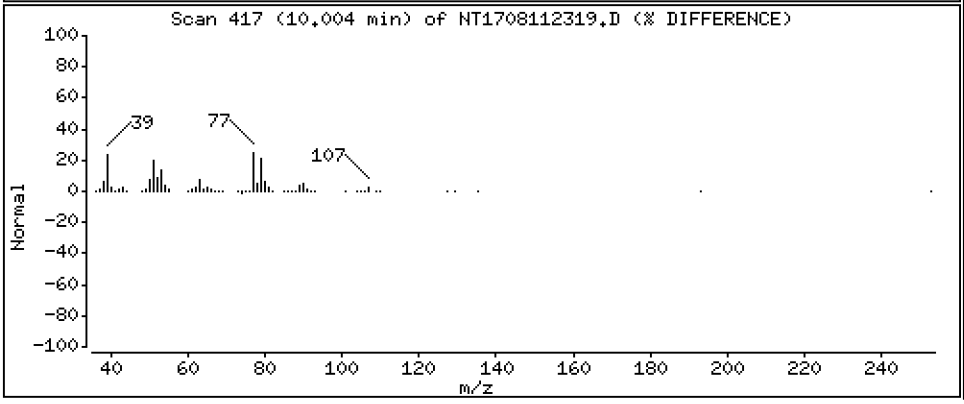
13 2-Methylphenol

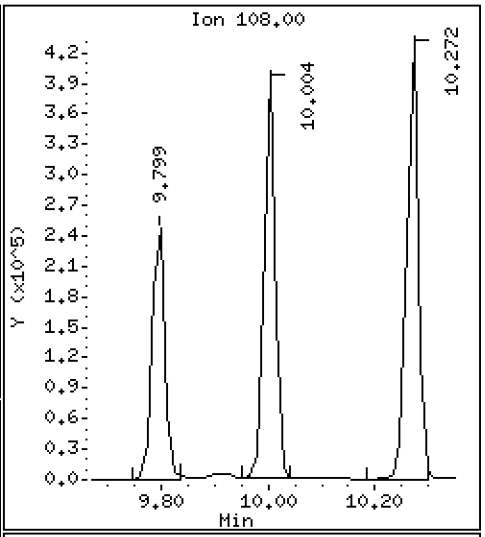
Concentration: 5.249 ug/mL

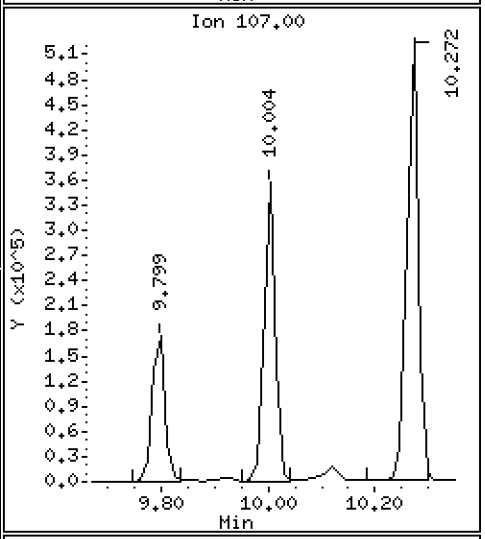


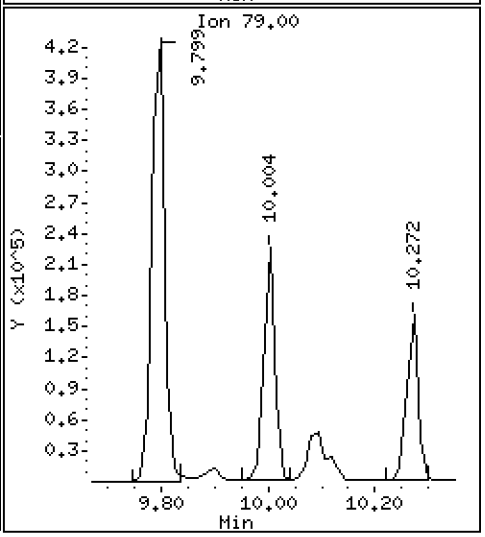












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

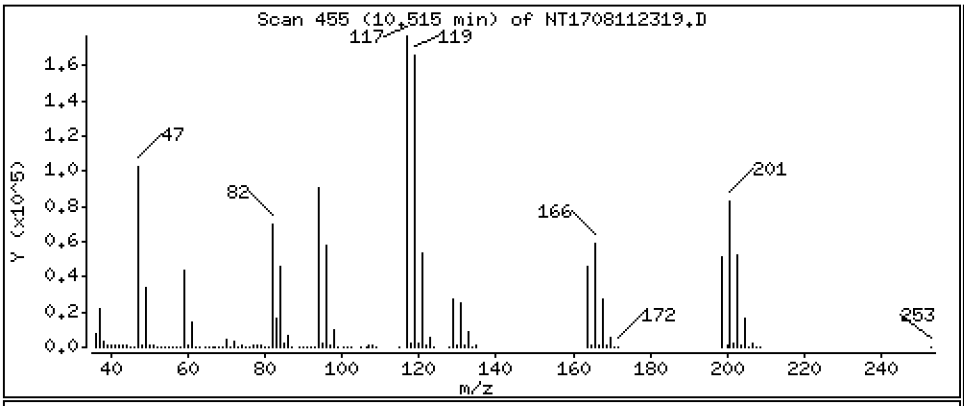
Operator: JGR

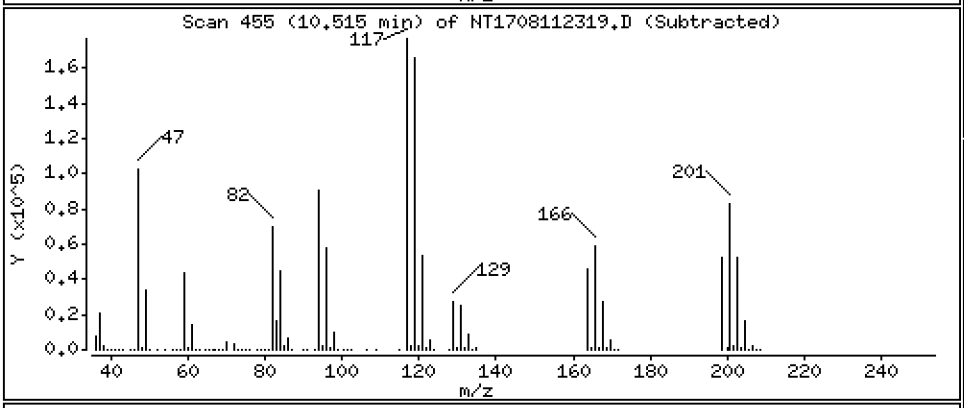
Column phase: ZB-5msi

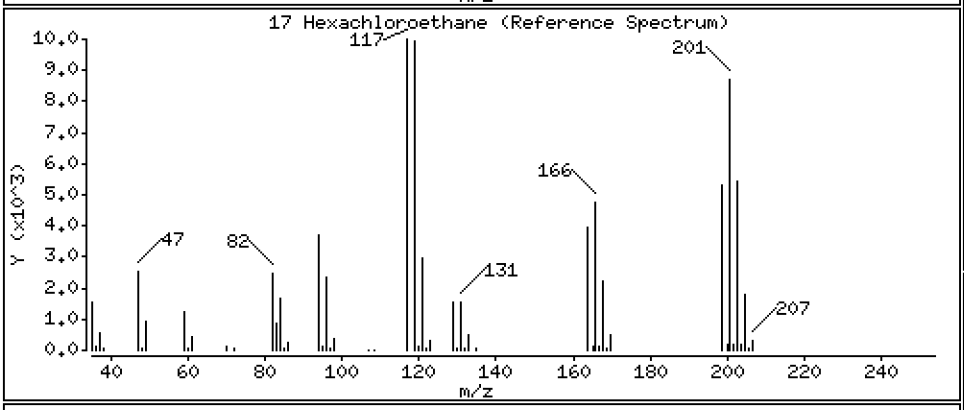
Column diameter: 0.25

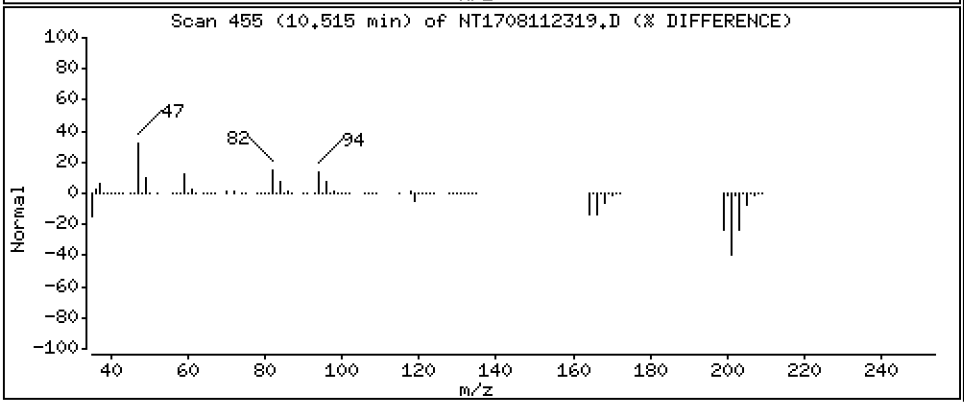
17 Hexachloroethane

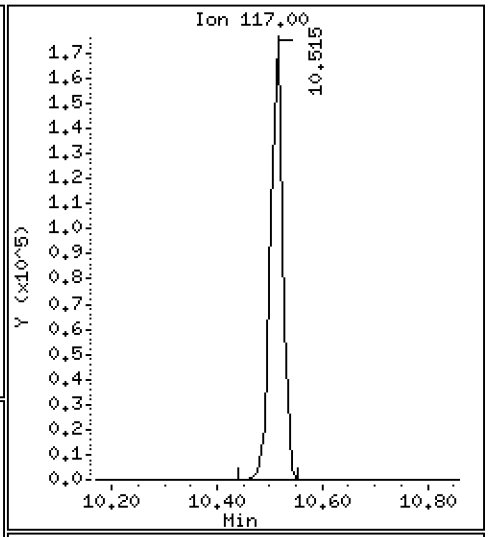
Concentration: 5.231 ug/mL

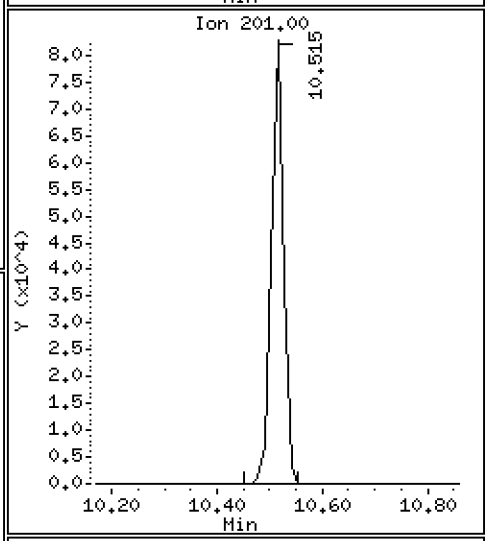


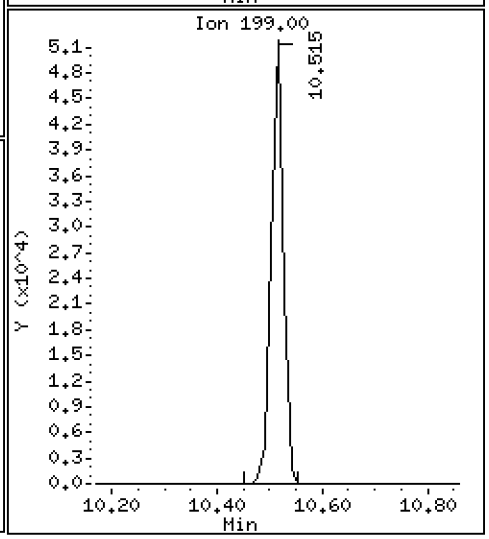












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

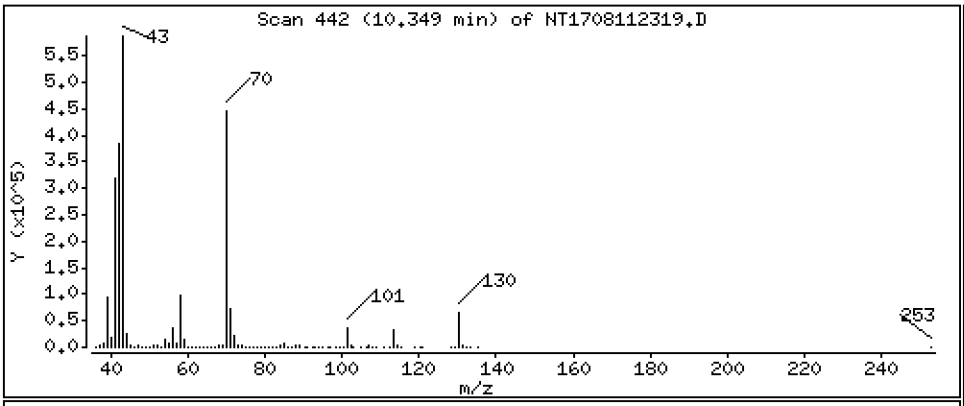
Operator: JGR

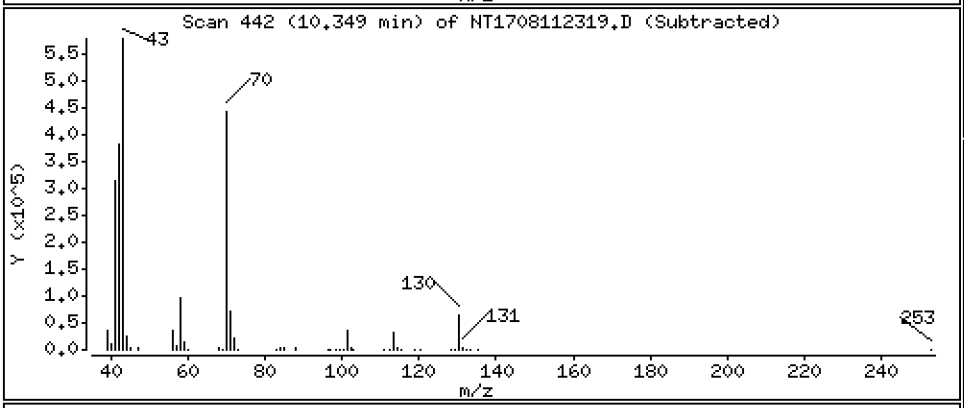
Column phase: ZB-5msi

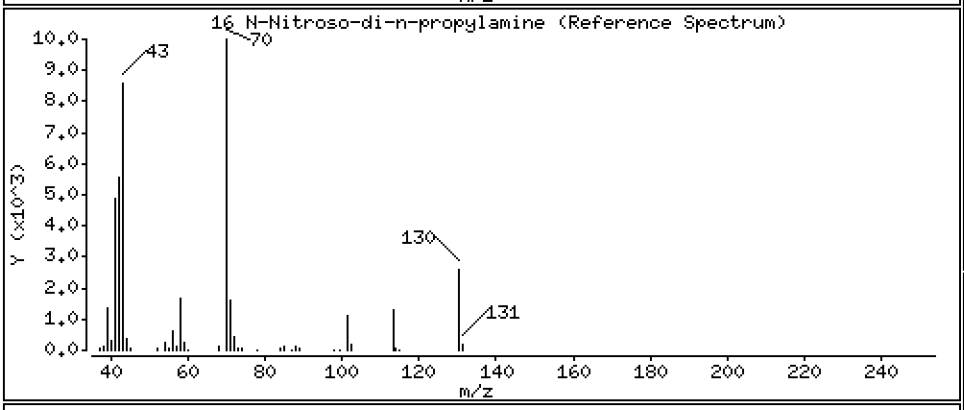
Column diameter: 0.25

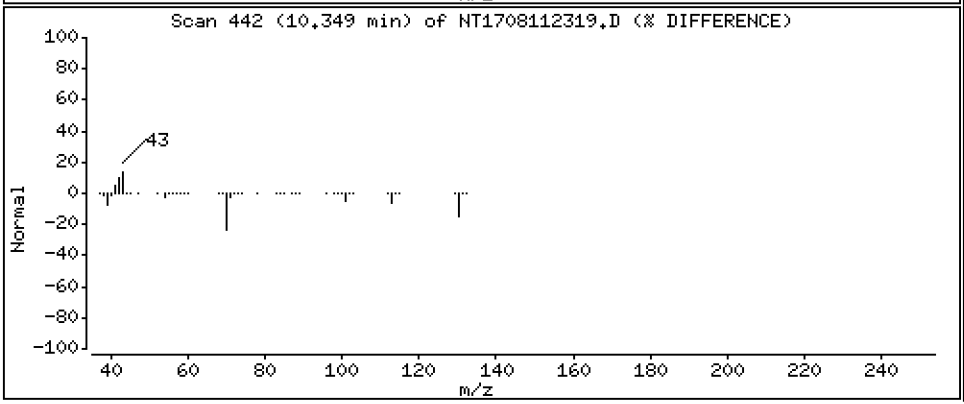
16 N-Nitroso-di-n-propylamine

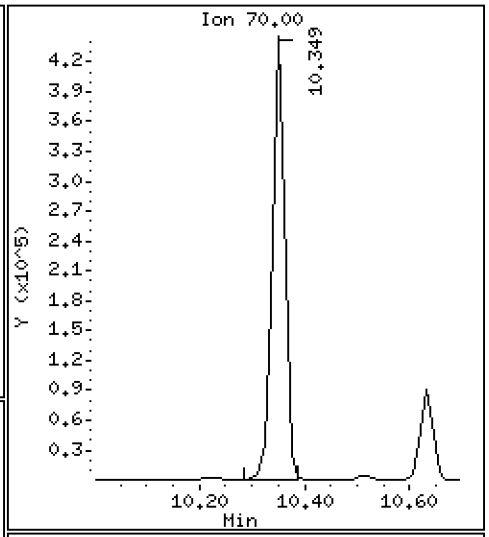
Concentration: 5.716 ug/mL

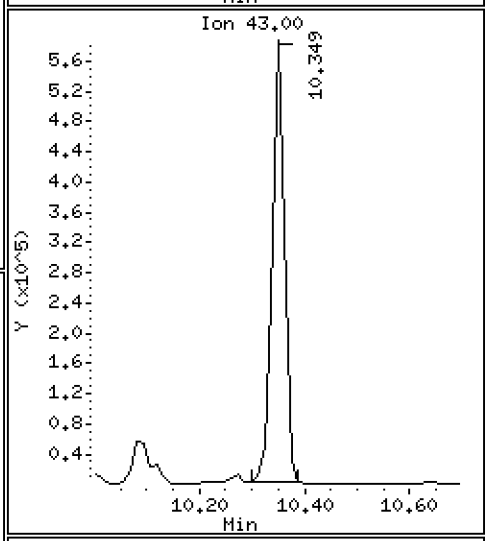


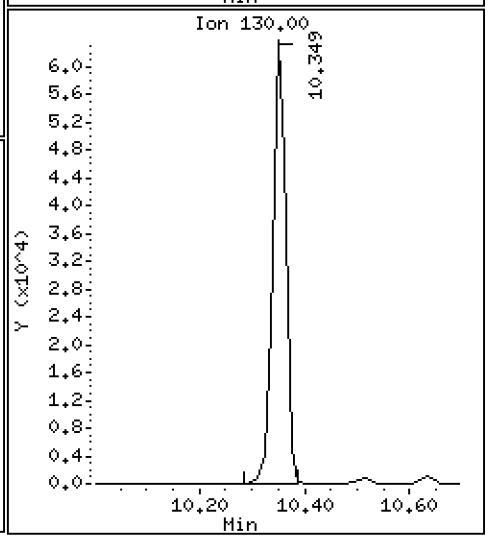












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

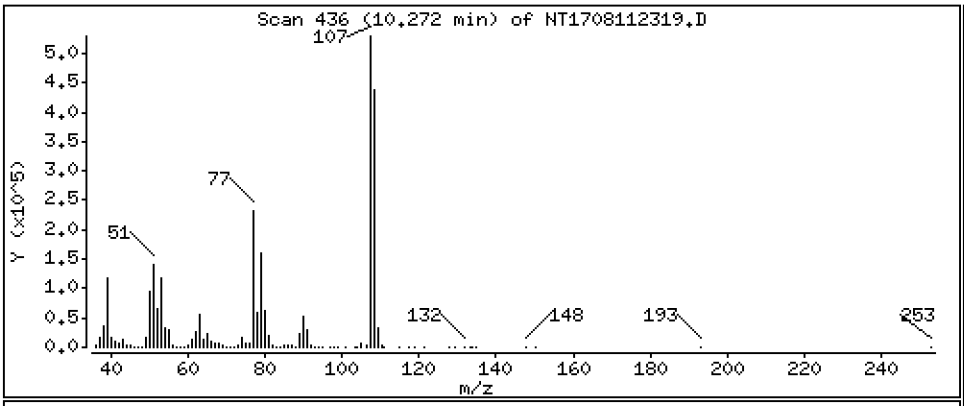
Operator: JGR

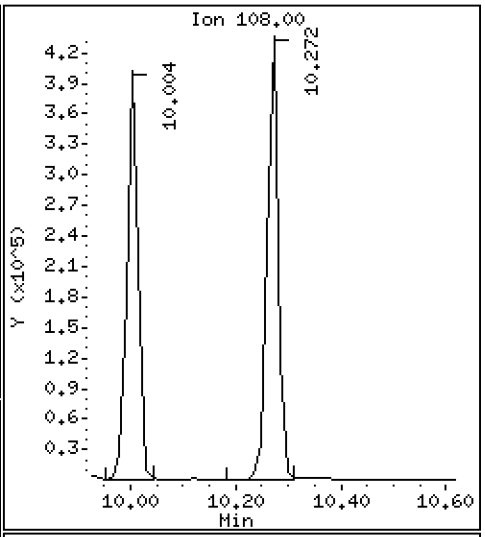
Column phase: ZB-5msi

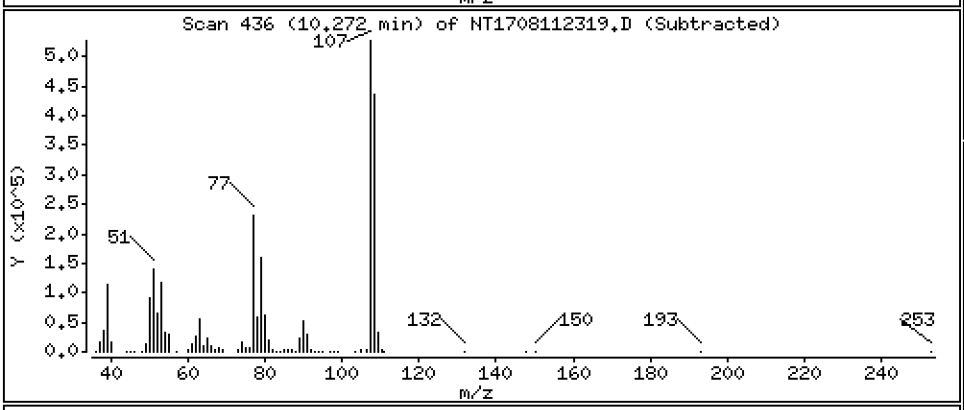
Column diameter: 0.25

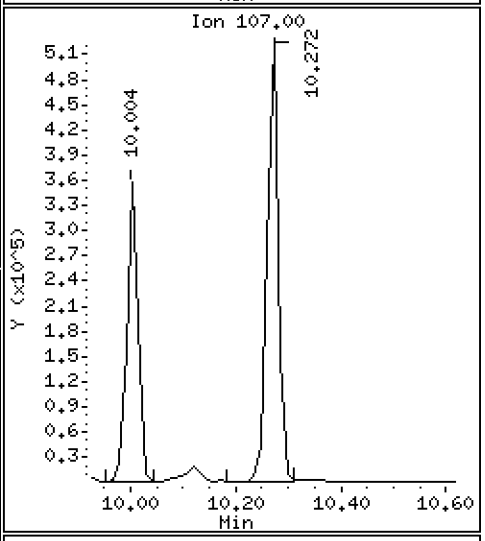
15 4-Methylphenol

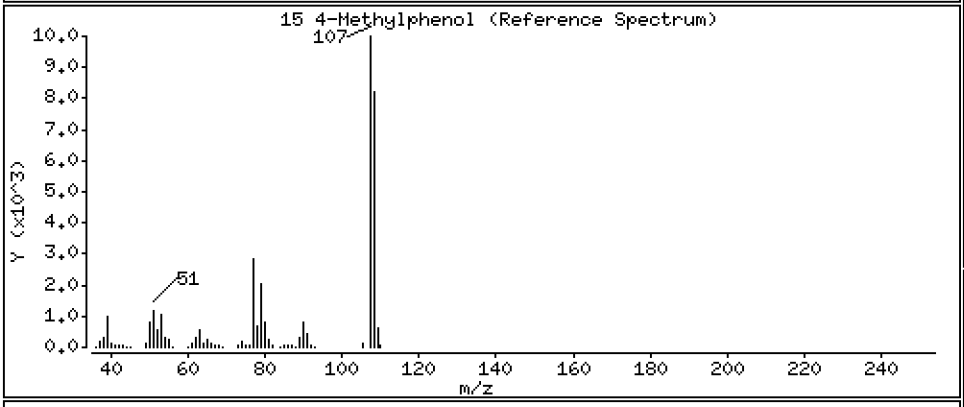
Concentration: 5.025 ug/mL

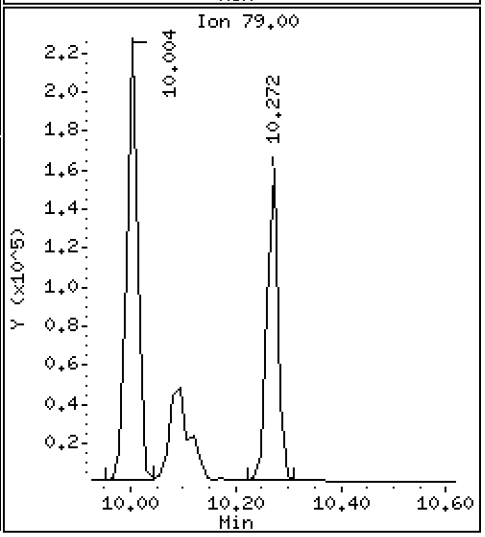


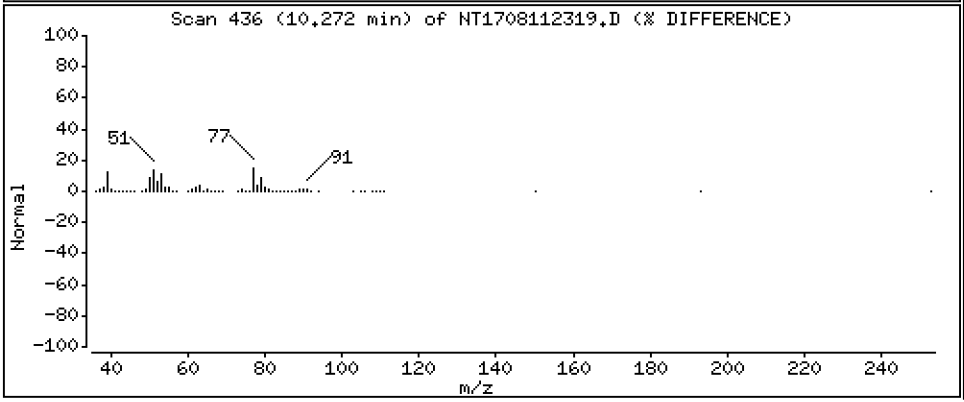












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

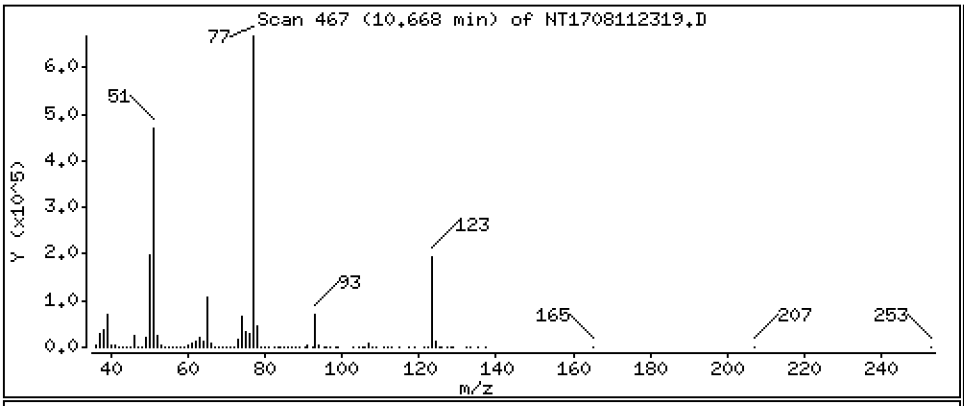
Operator: JGR

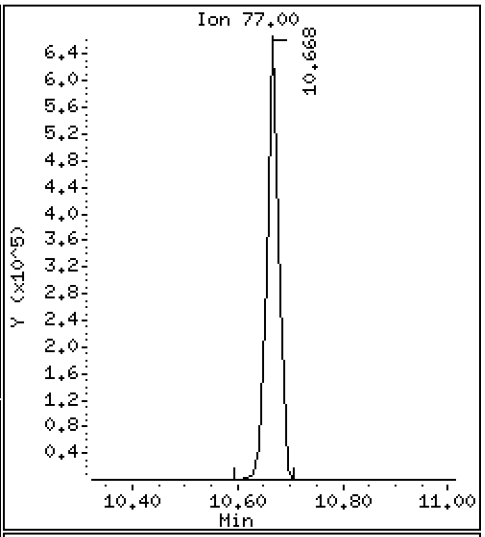
Column phase: ZB-5msi

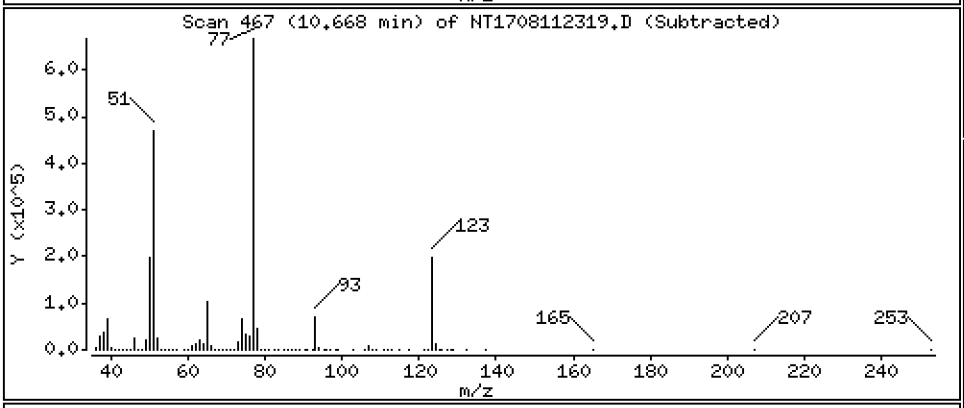
Column diameter: 0.25

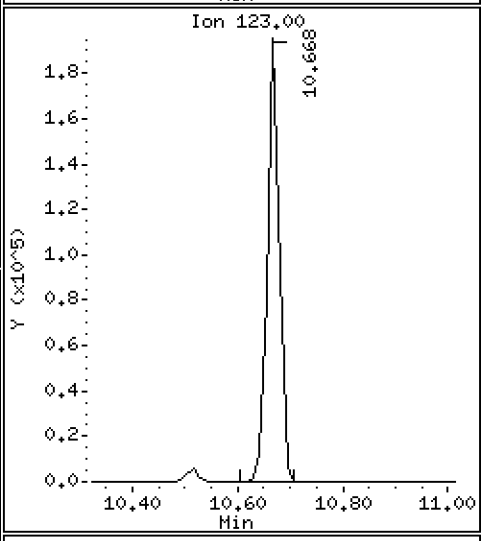
19 Nitrobenzene

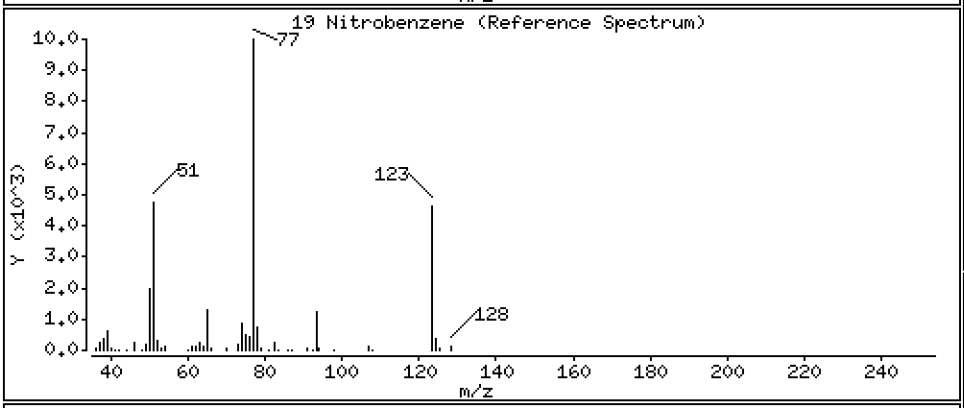
Concentration: 5.599 ug/mL

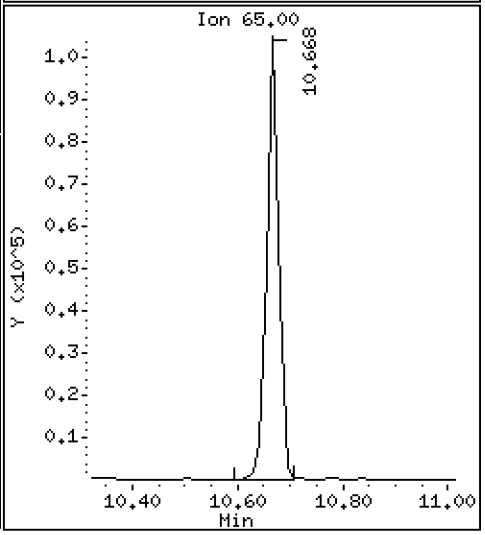


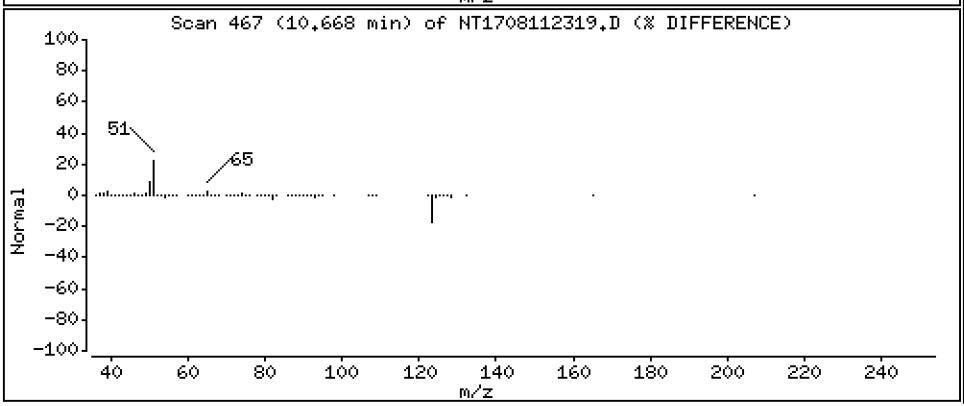












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

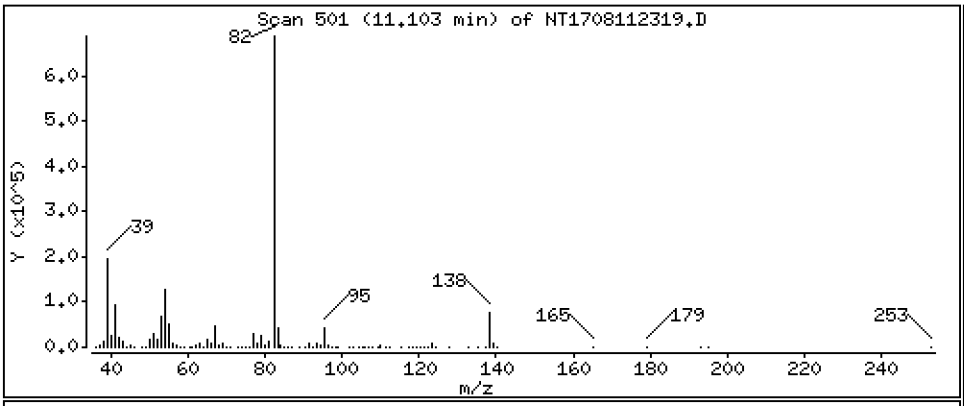
Operator: JGR

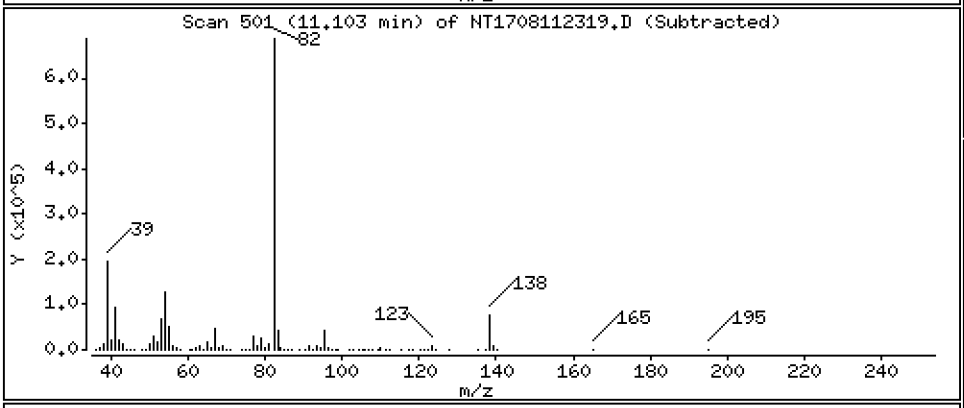
Column phase: ZB-5msi

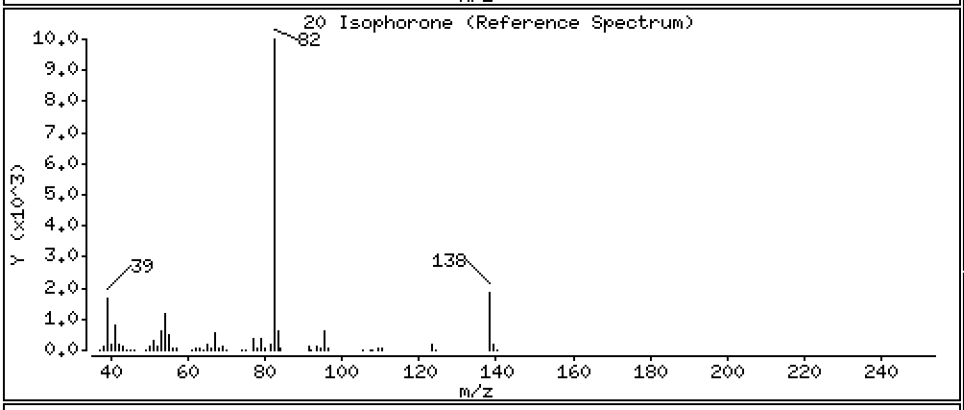
Column diameter: 0.25

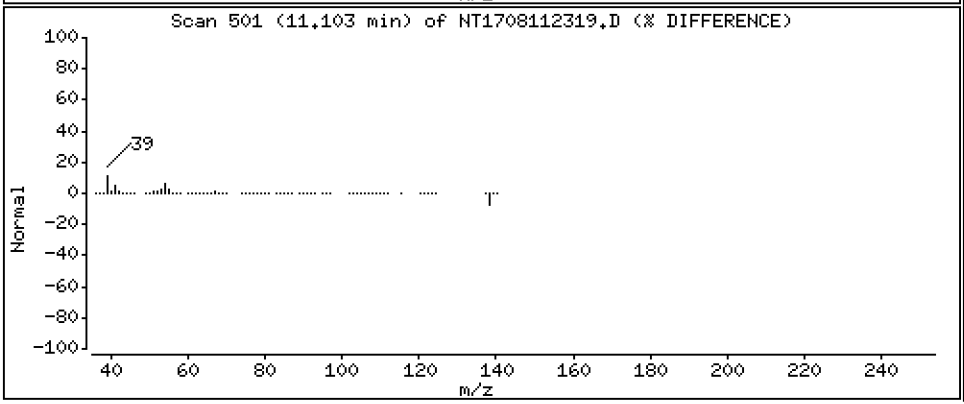
20 Isophorone

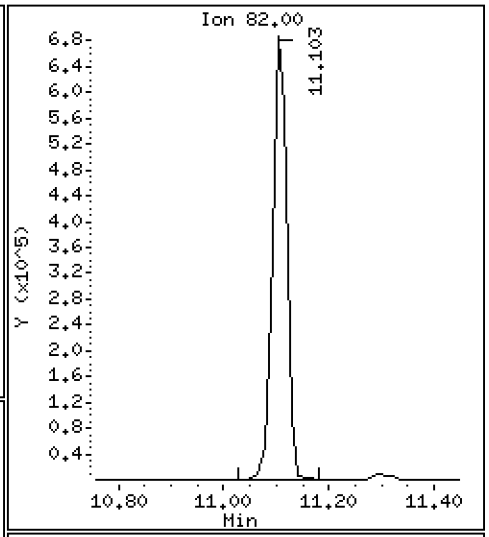
Concentration: 5.565 ug/mL

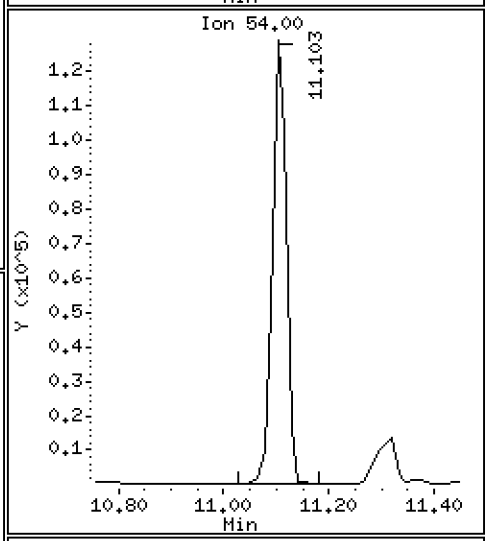


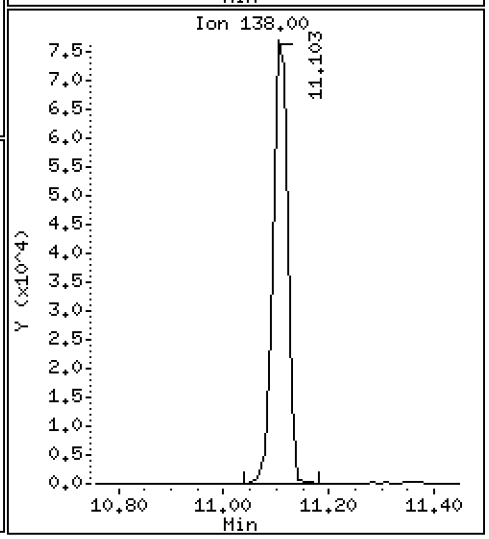












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

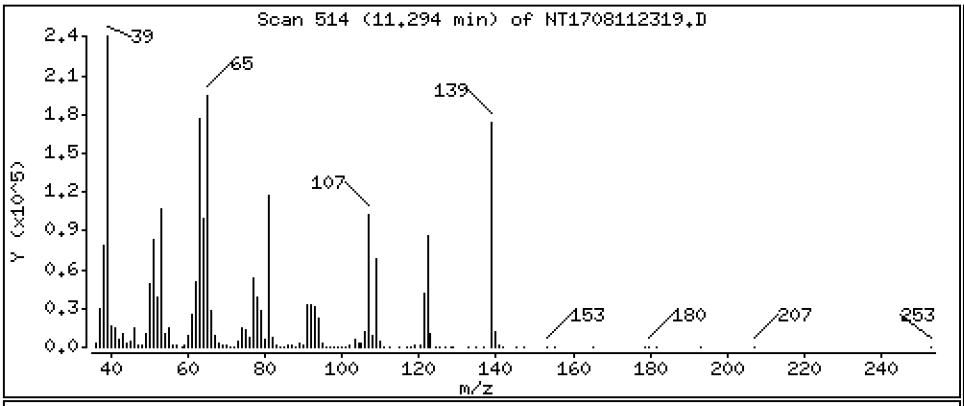
Operator: JGR

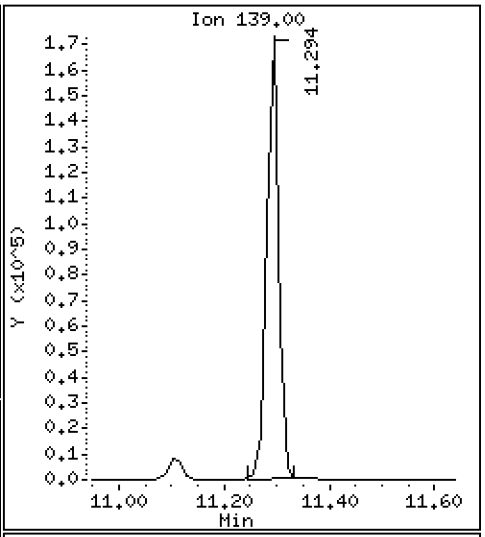
Column phase: ZB-5msi

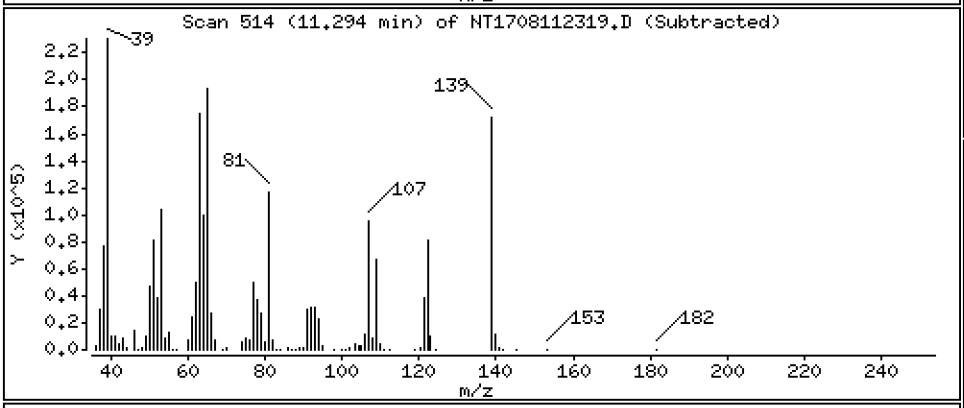
Column diameter: 0.25

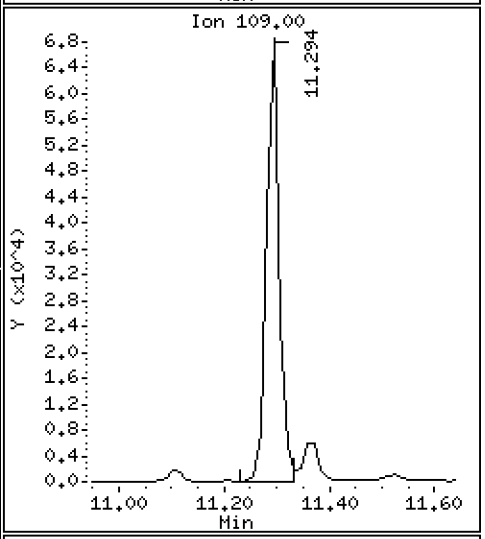
21 2-Nitrophenol

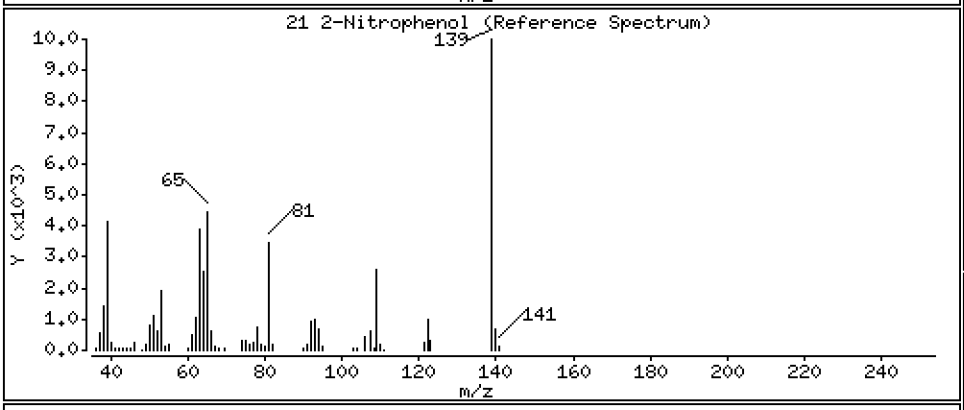
Concentration: 4.950 ug/mL

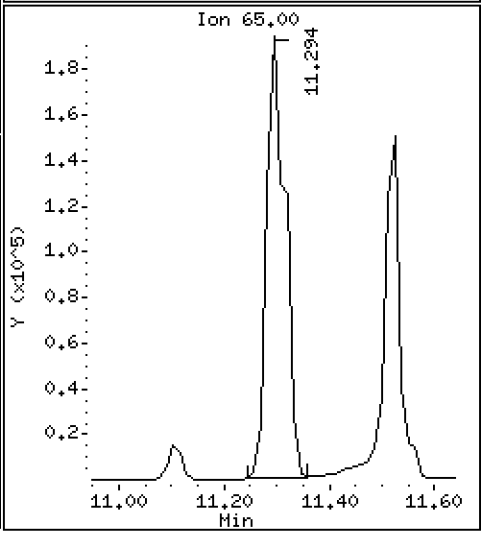


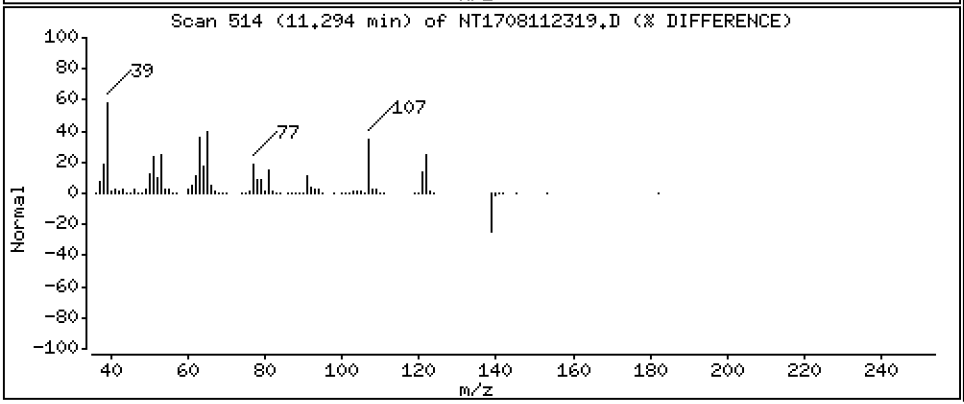












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

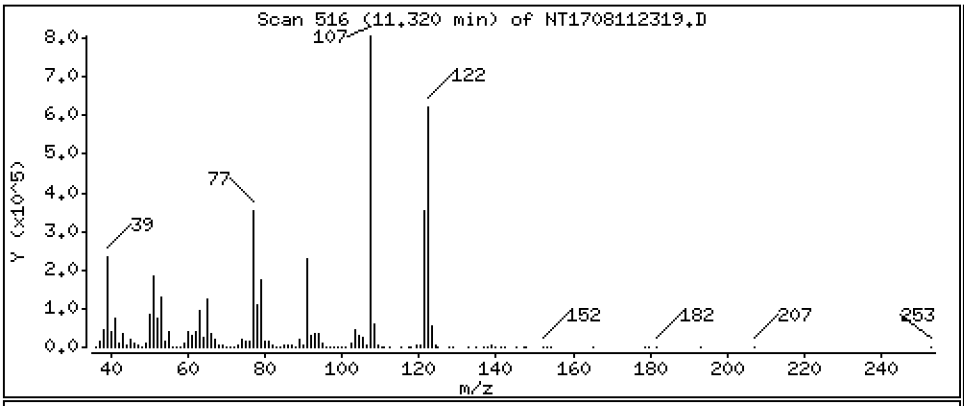
Operator: JGR

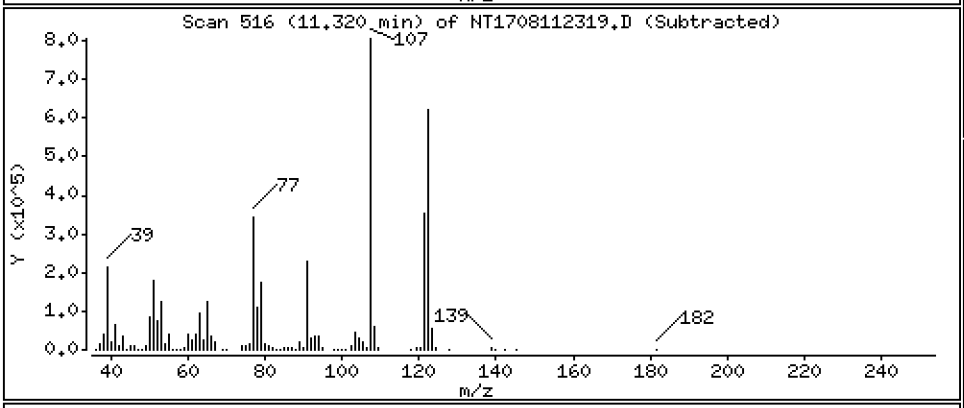
Column phase: ZB-5msi

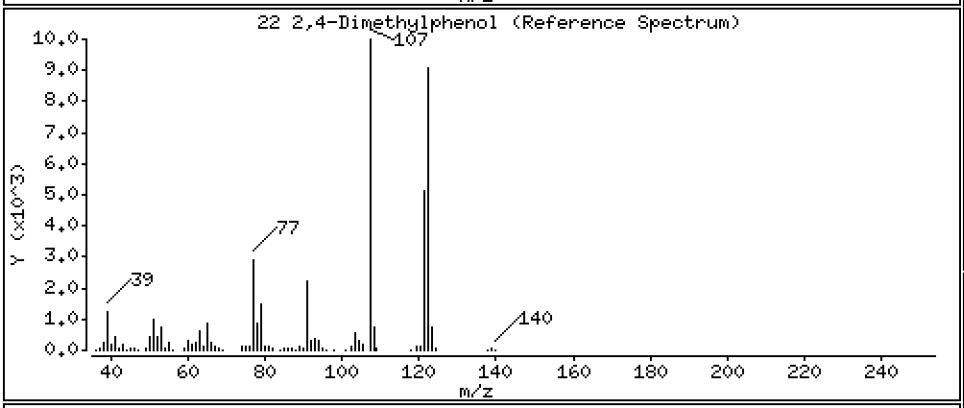
Column diameter: 0.25

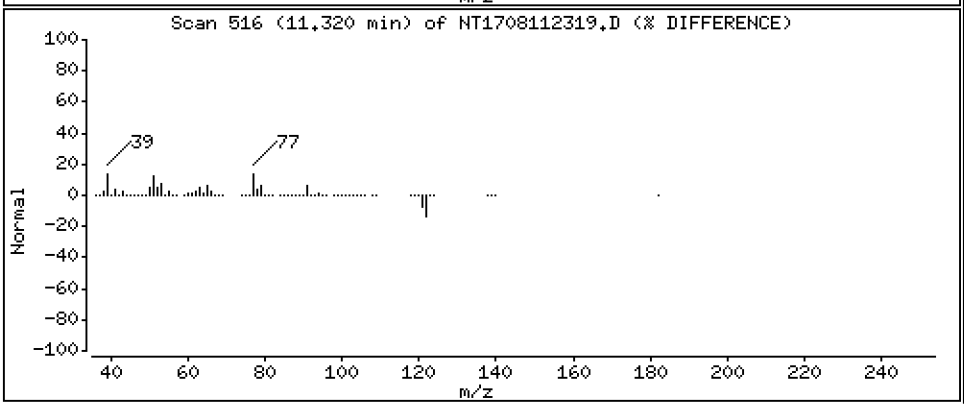
22 2,4-Dimethylphenol

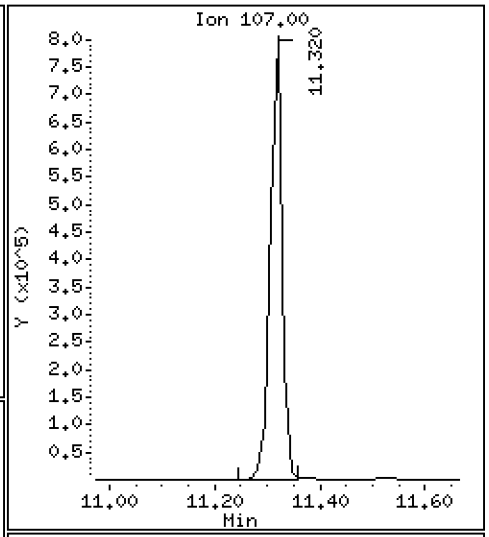
Concentration: 10.03 ug/mL

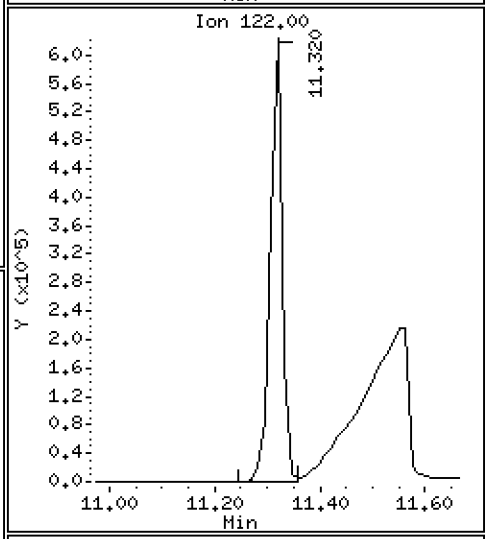


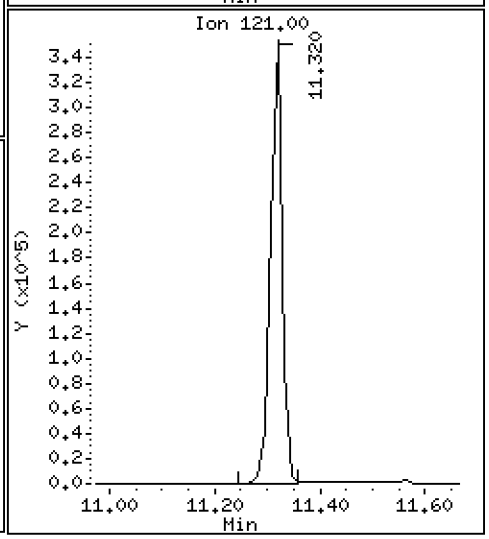












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

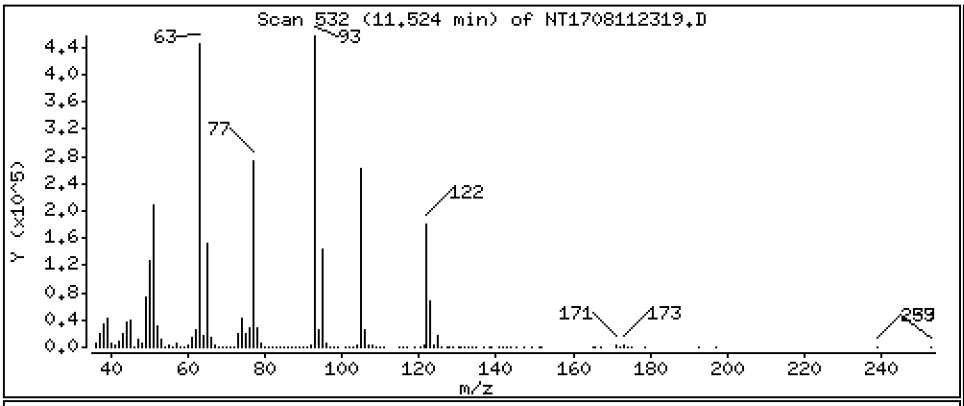
Operator: JGR

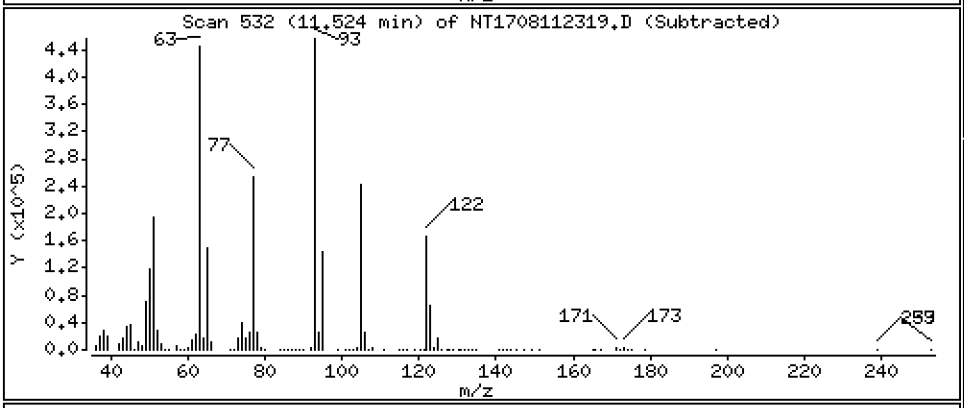
Column phase: ZB-5msi

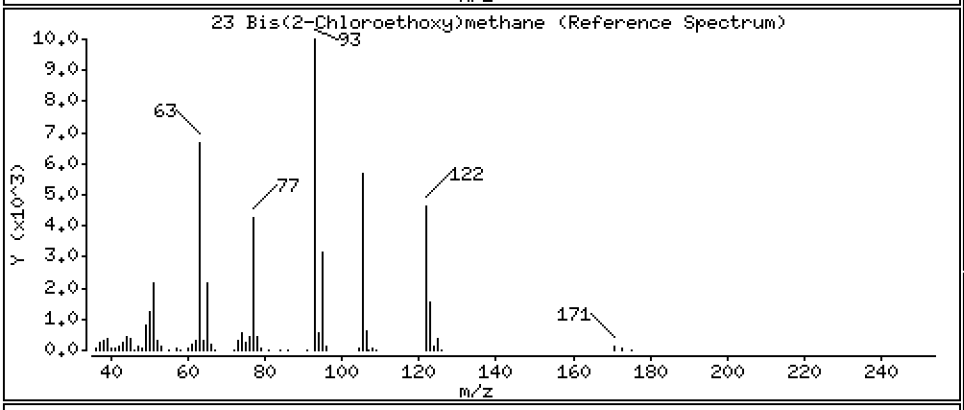
Column diameter: 0.25

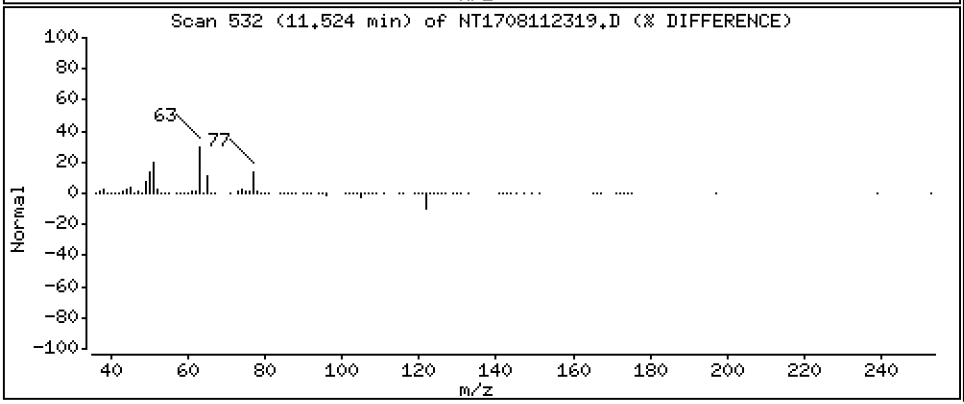
23 Bis(2-Chloroethoxy)methane

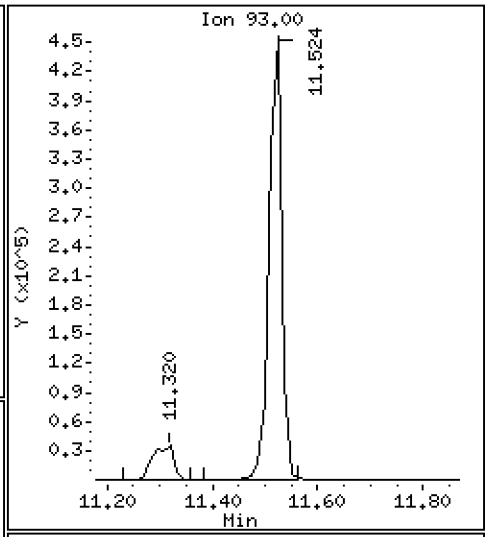
Concentration: 5.234 ug/mL

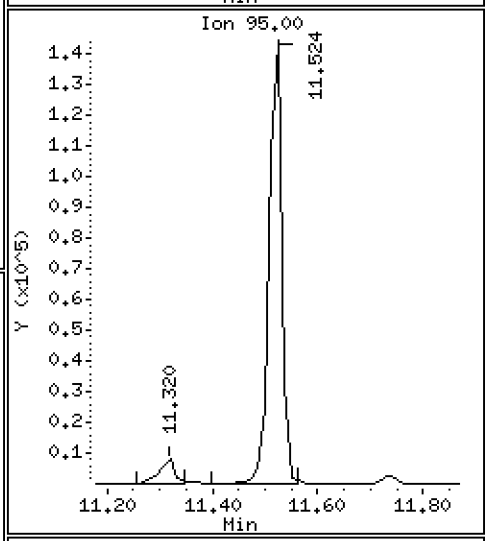


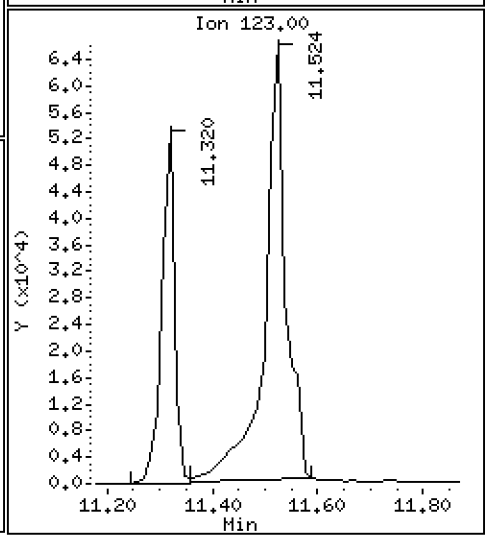












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

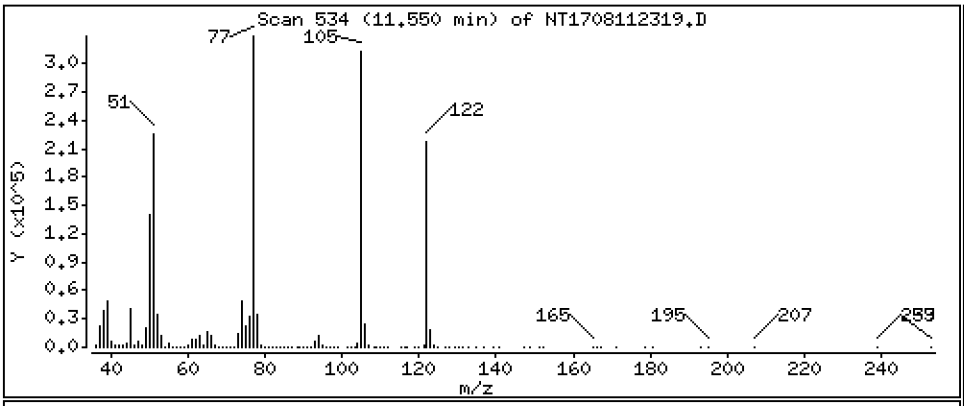
Operator: JGR

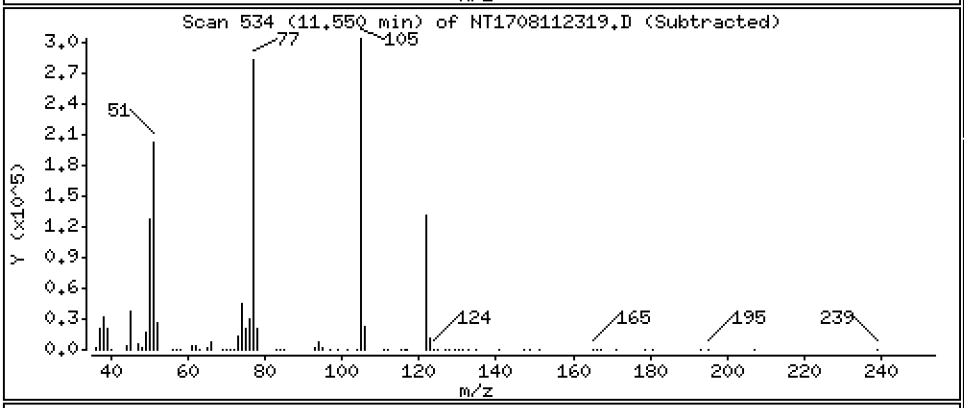
Column phase: ZB-5msi

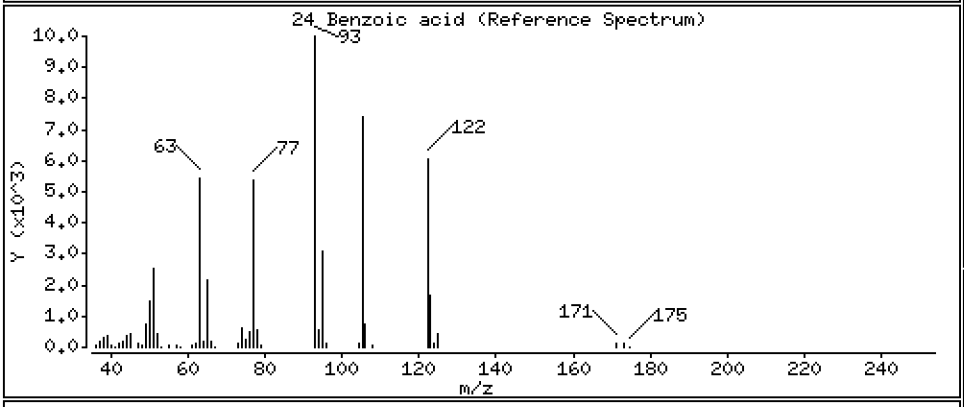
Column diameter: 0.25

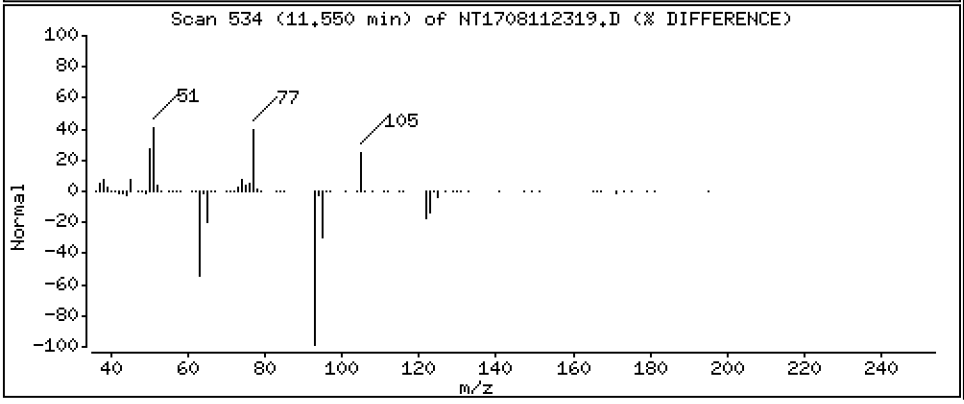
24 Benzoic acid

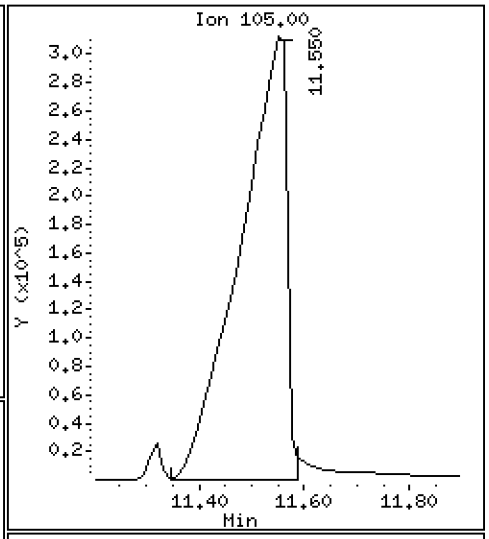
Concentration: 17.74 ug/mL

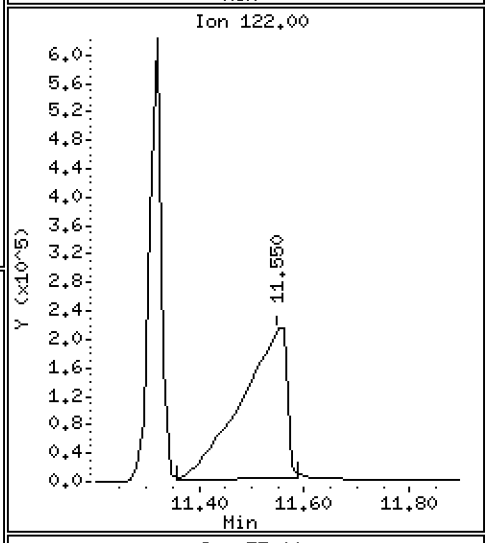


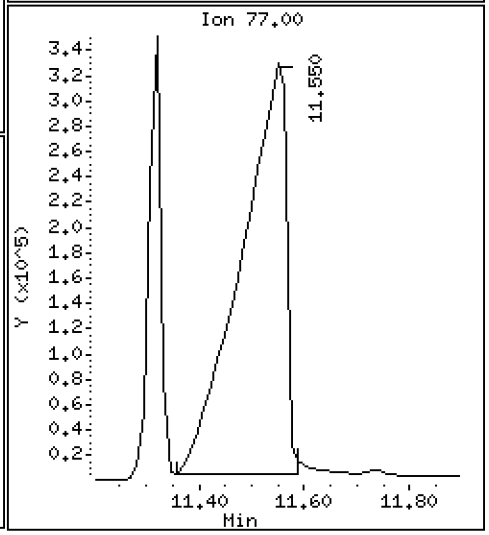












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

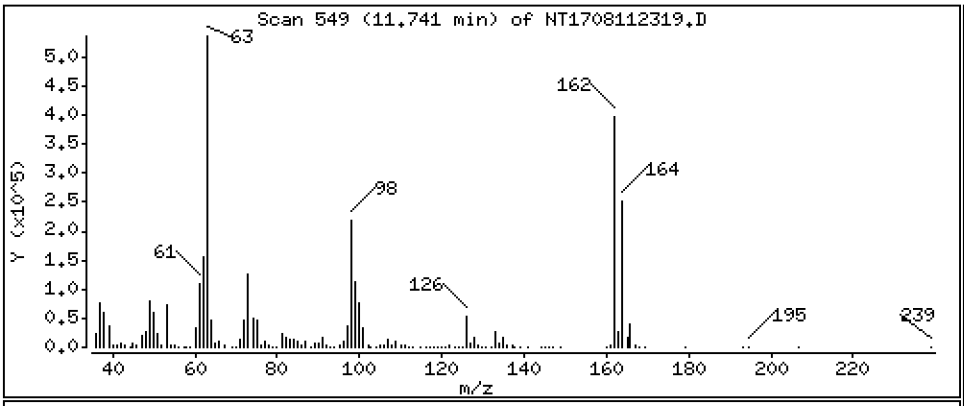
Operator: JGR

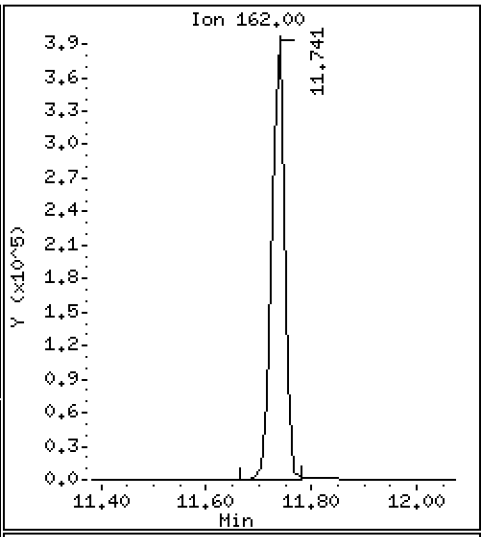
Column phase: ZB-5msi

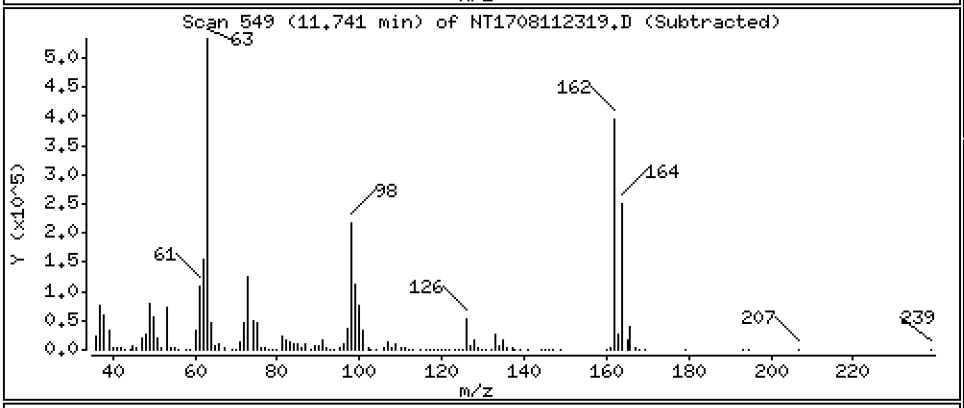
Column diameter: 0.25

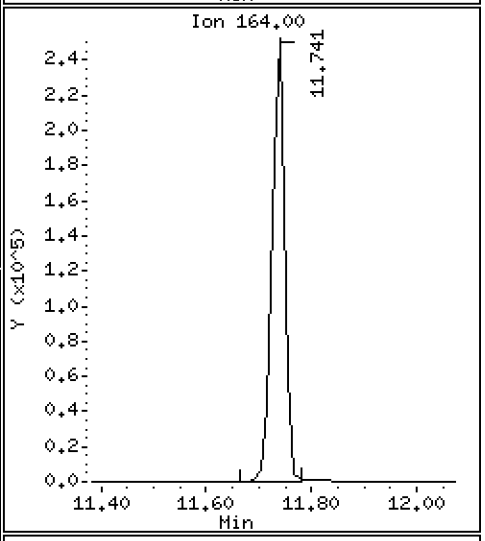
25 2,4-Dichlorophenol

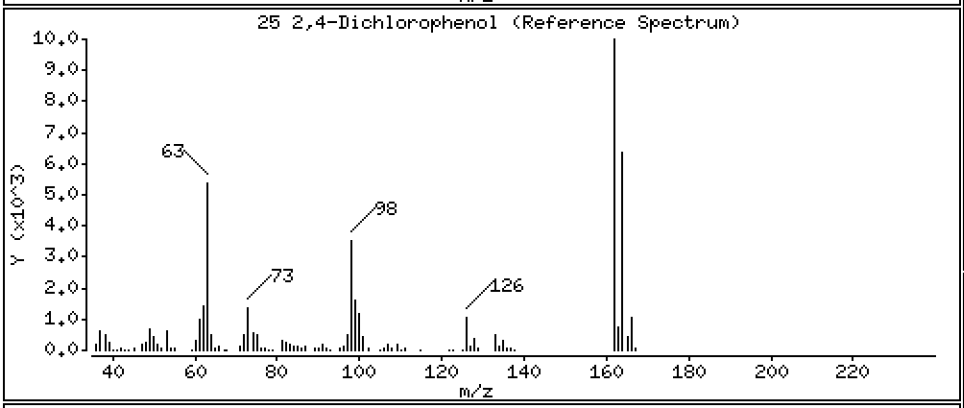
Concentration: 10.28 ug/mL

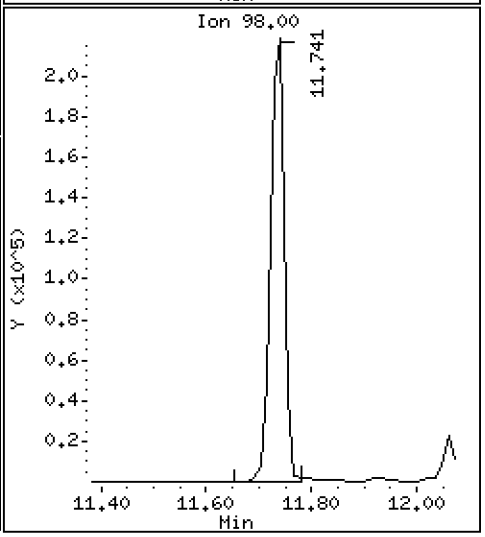


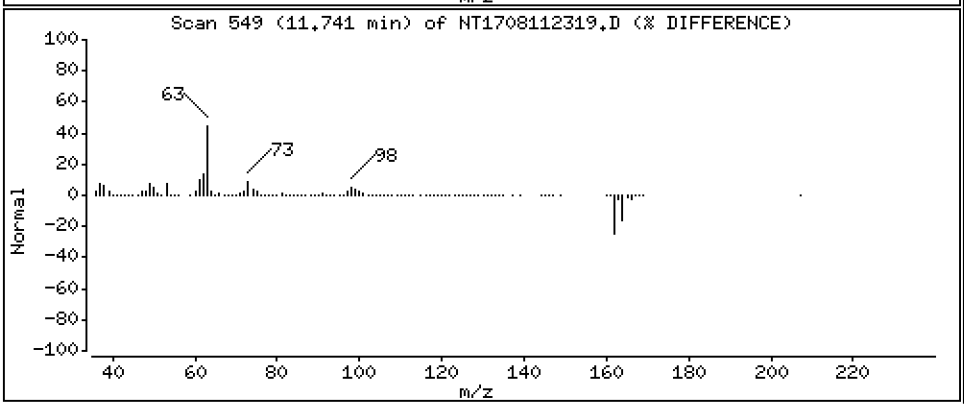












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

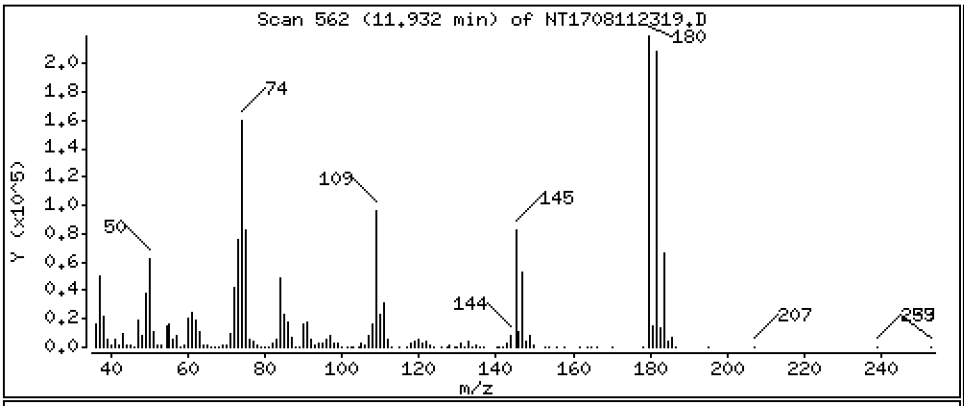
Operator: JGR

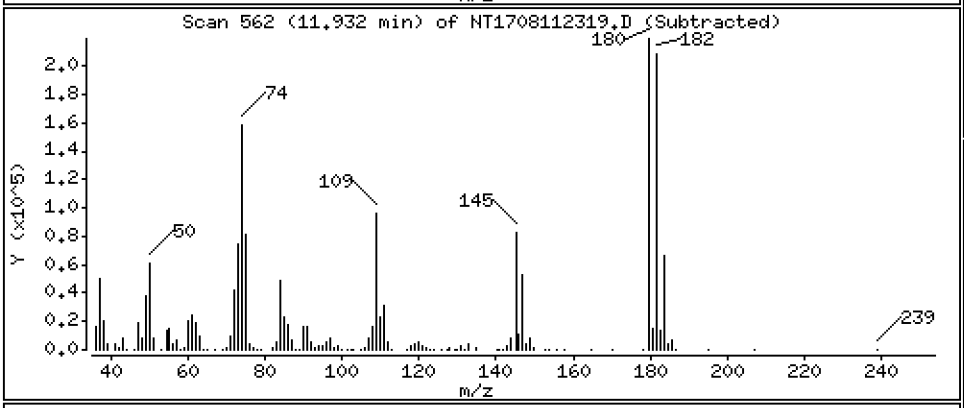
Column phase: ZB-5msi

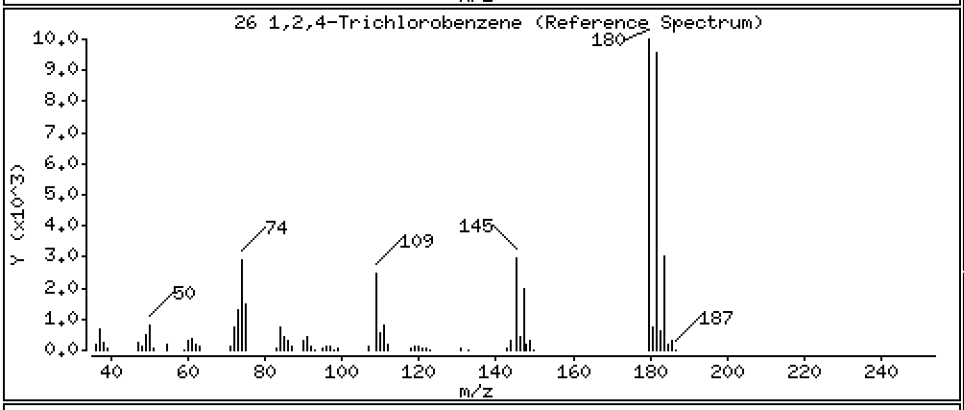
Column diameter: 0.25

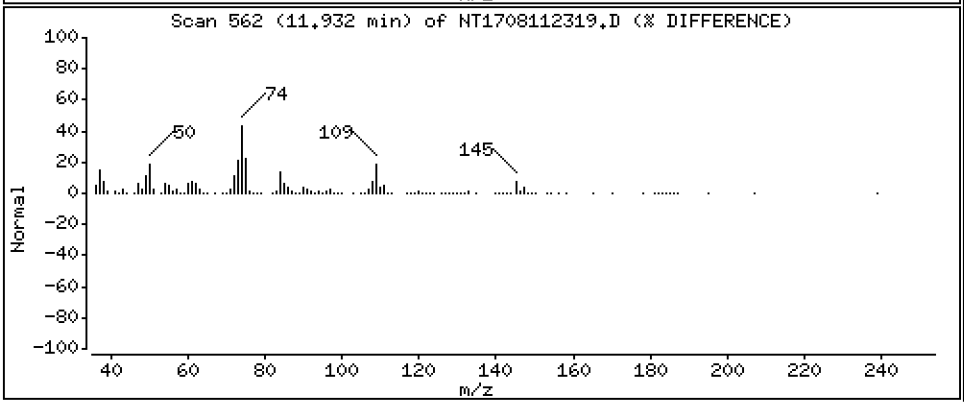
26 1,2,4-Trichlorobenzene

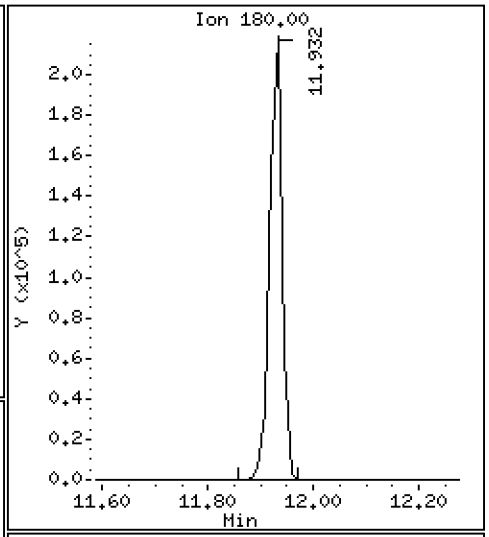
Concentration: 4.905 ug/mL

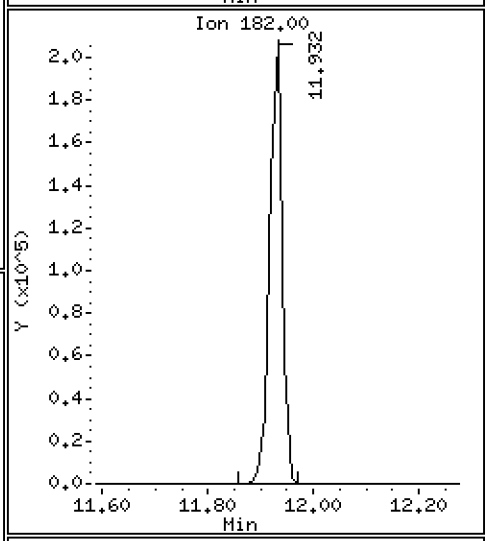


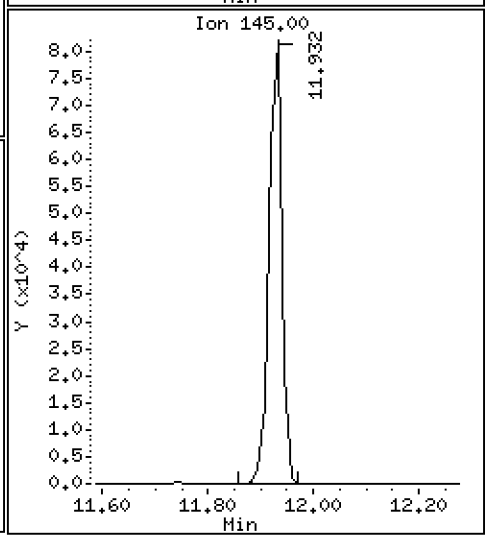












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

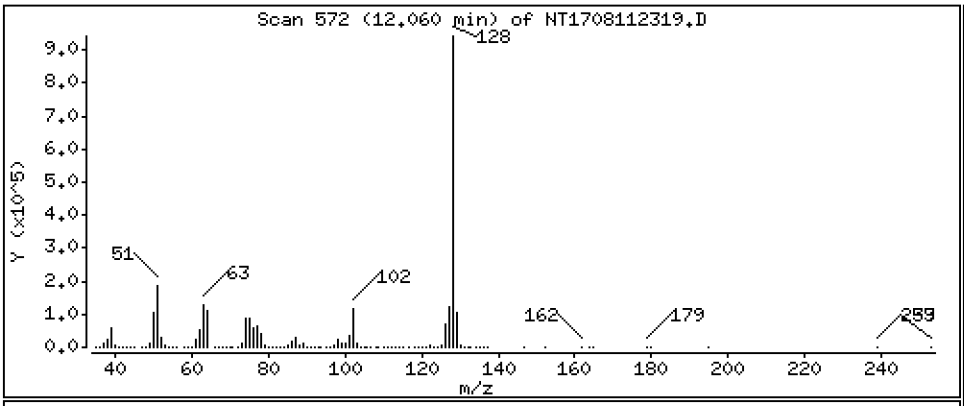
Operator: JGR

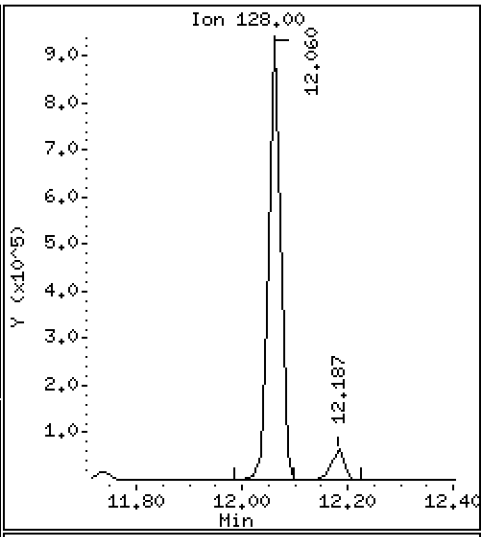
Column phase: ZB-5msi

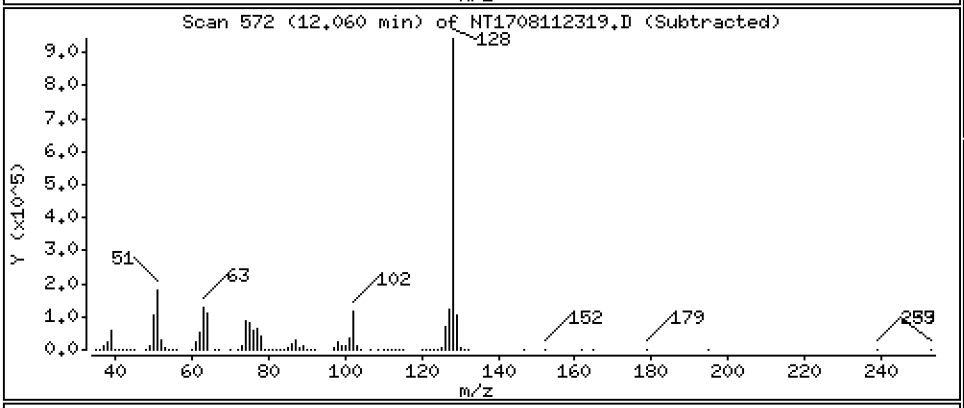
Column diameter: 0.25

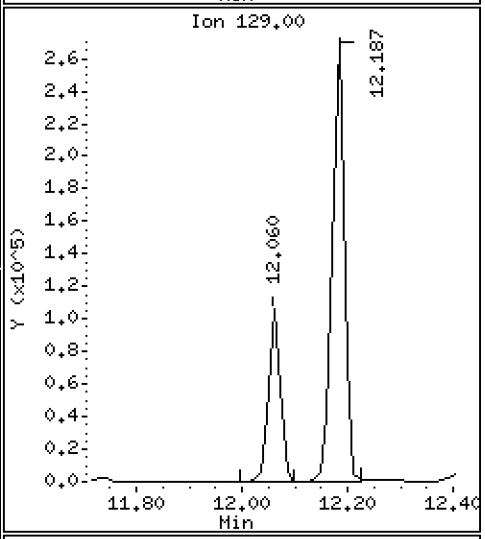
28 Naphthalene

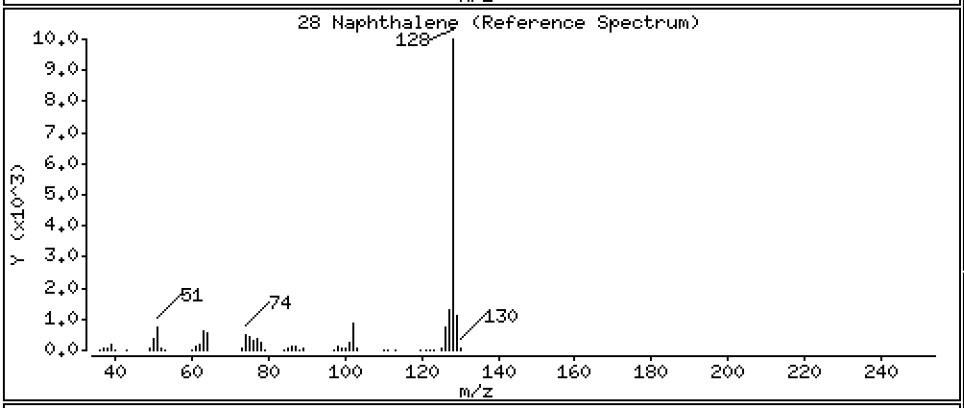
Concentration: 5.050 ug/mL

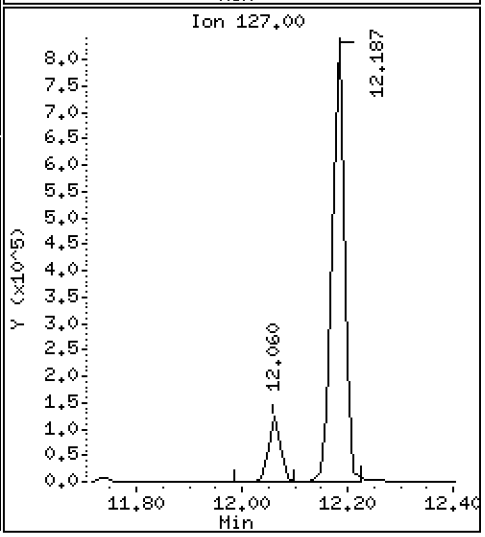


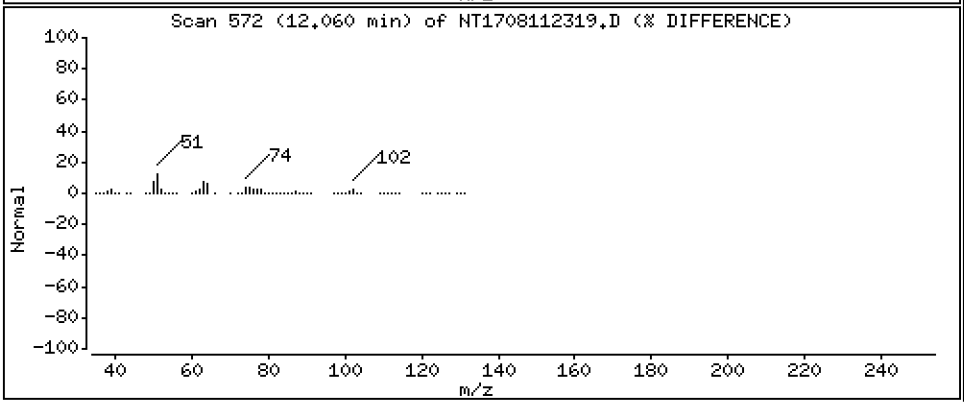












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Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

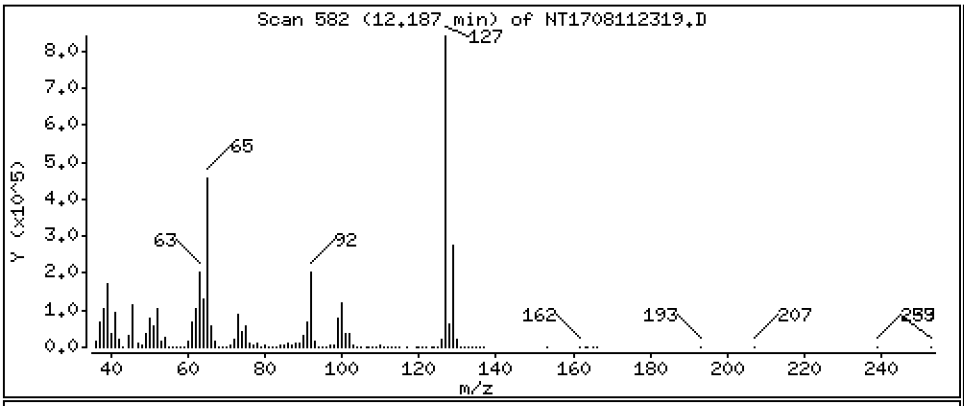
Operator: JGR

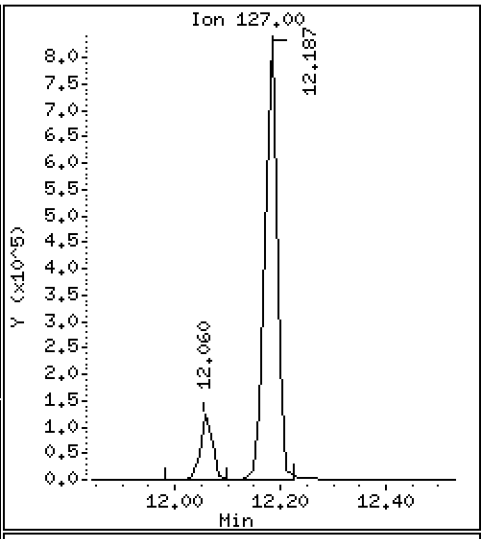
Column phase: ZB-5msi

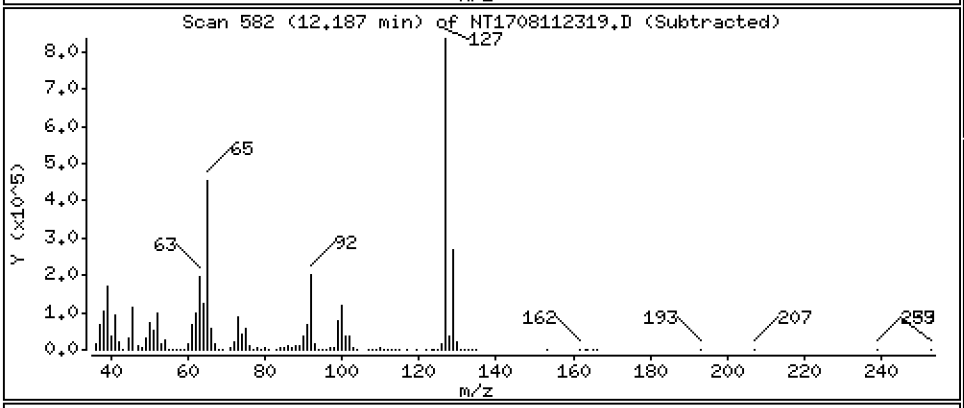
Column diameter: 0.25

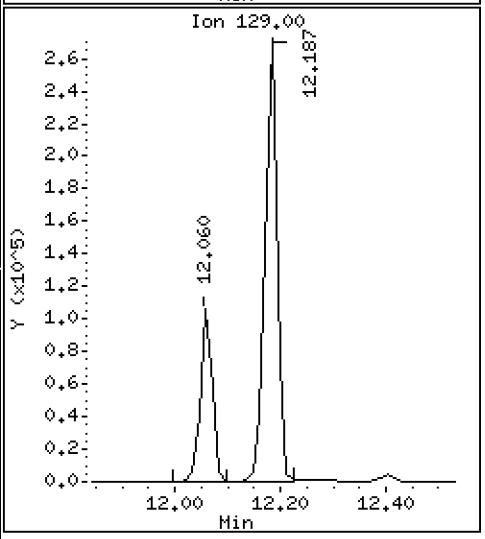
29 4-Chloroaniline

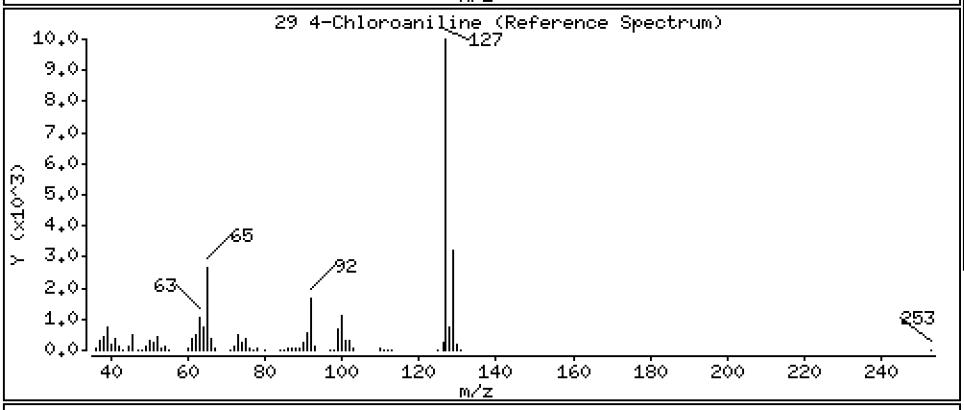
Concentration: 10.19 ug/mL

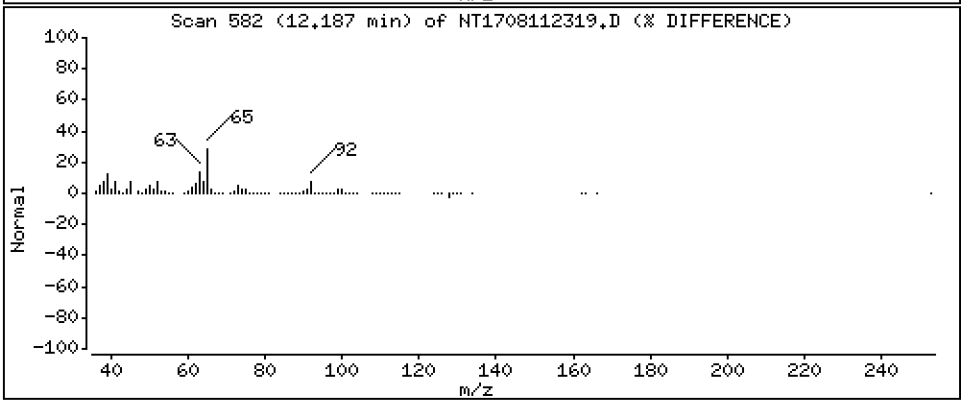












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Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

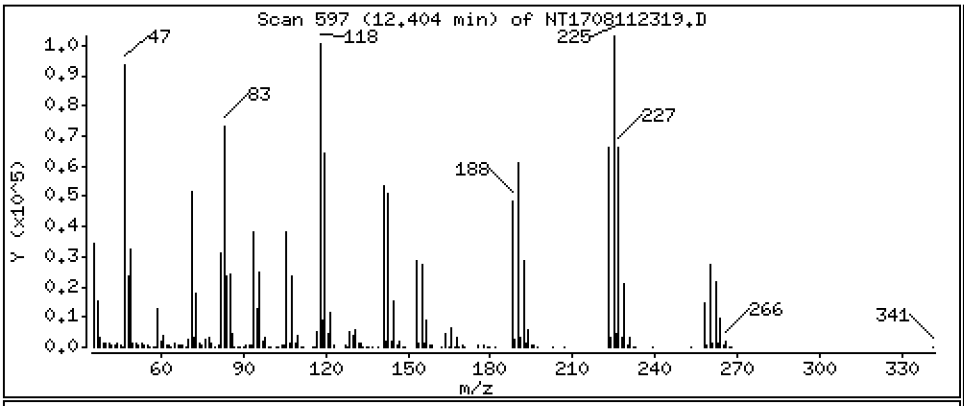
Operator: JGR

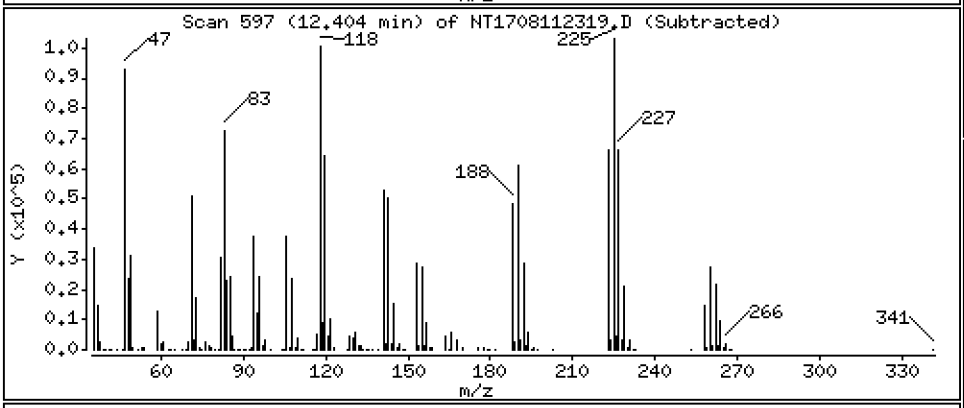
Column phase: ZB-5msi

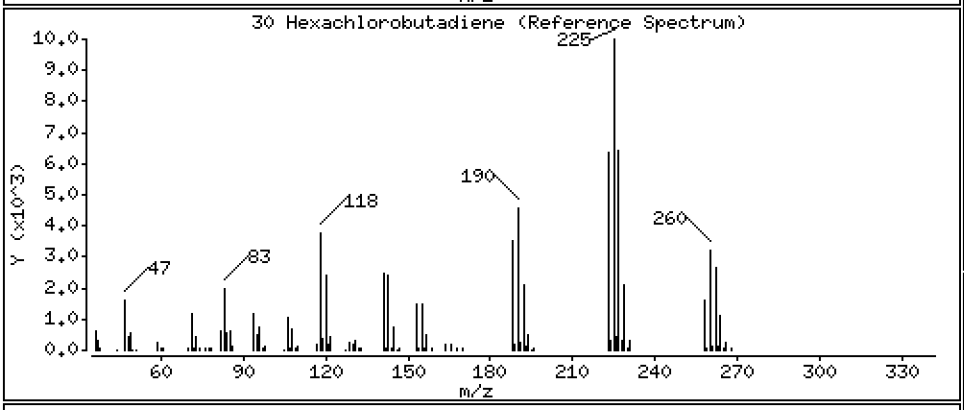
Column diameter: 0.25

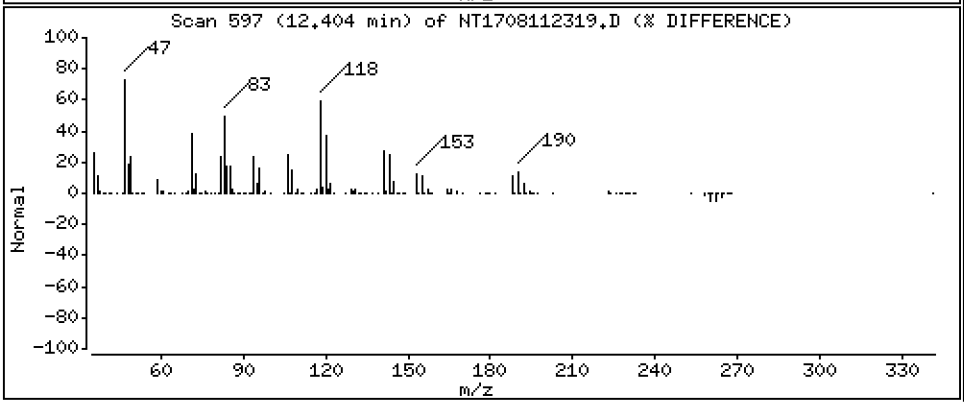
30 Hexachlorobutadiene

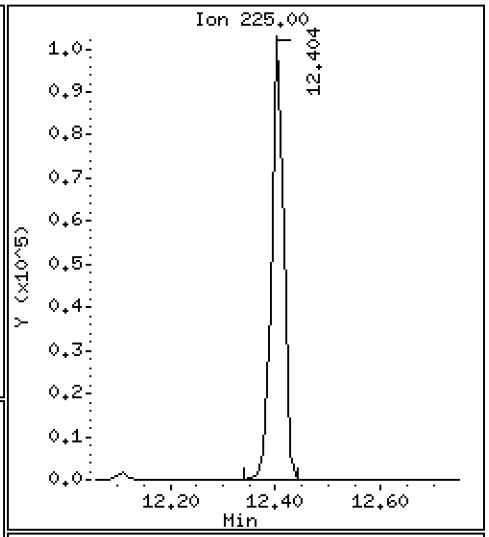
Concentration: 4.819 ug/mL

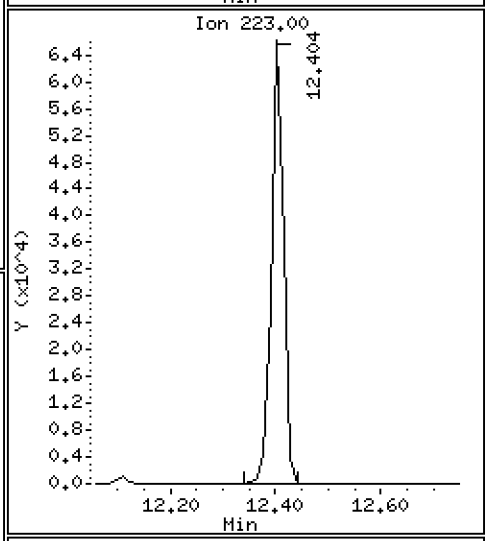


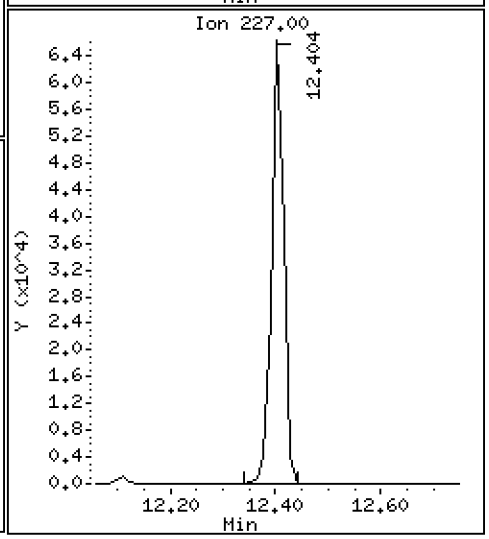












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Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

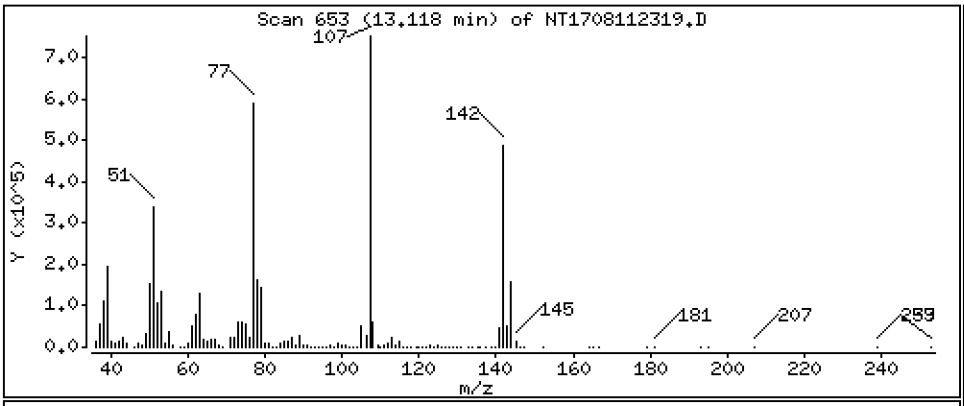
Operator: JGR

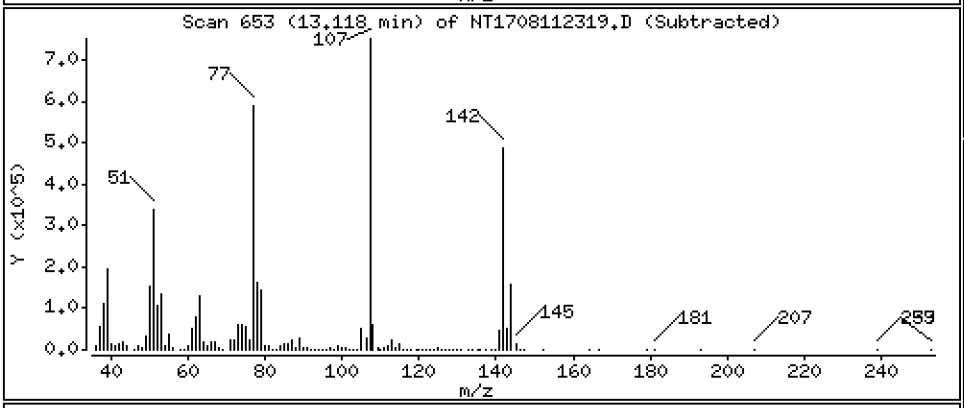
Column phase: ZB-5msi

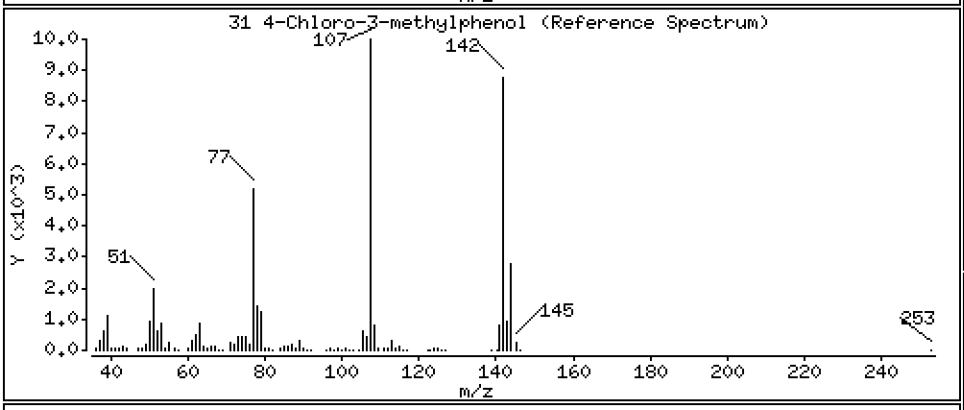
Column diameter: 0.25

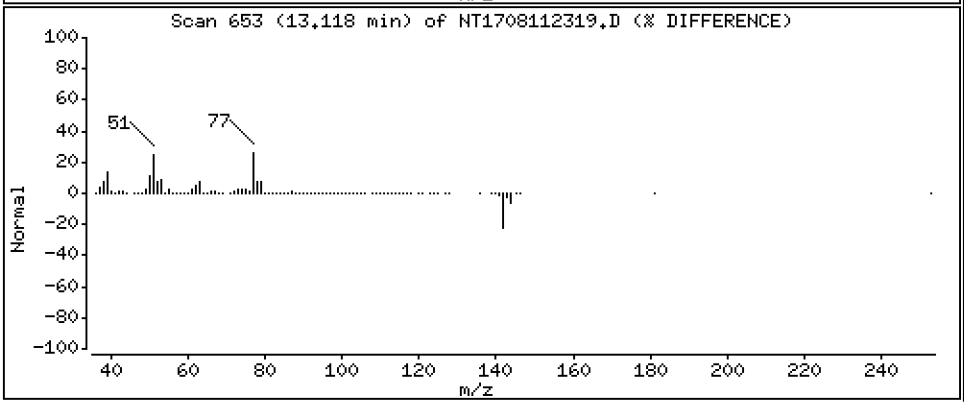
31 4-Chloro-3-methylphenol

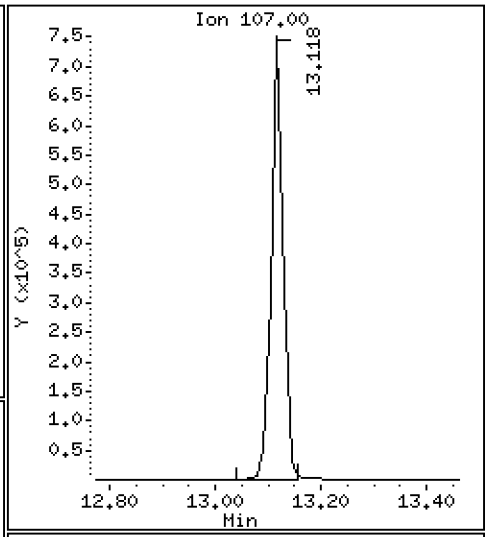
Concentration: 9.266 ug/mL

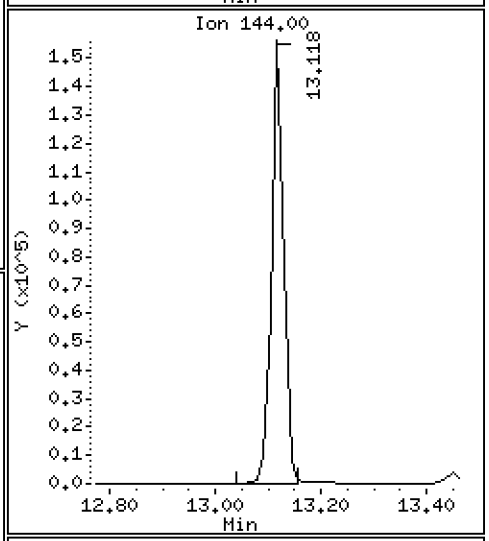


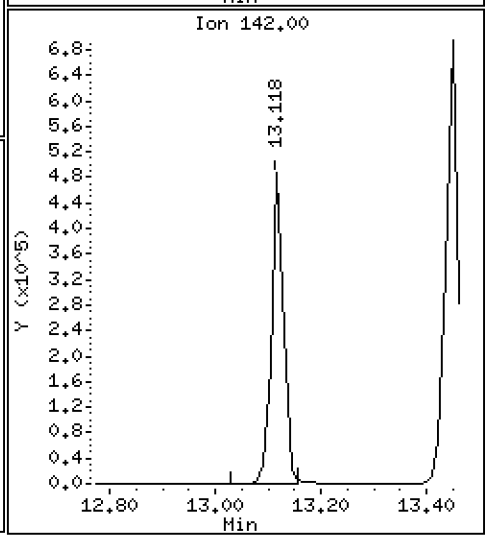












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

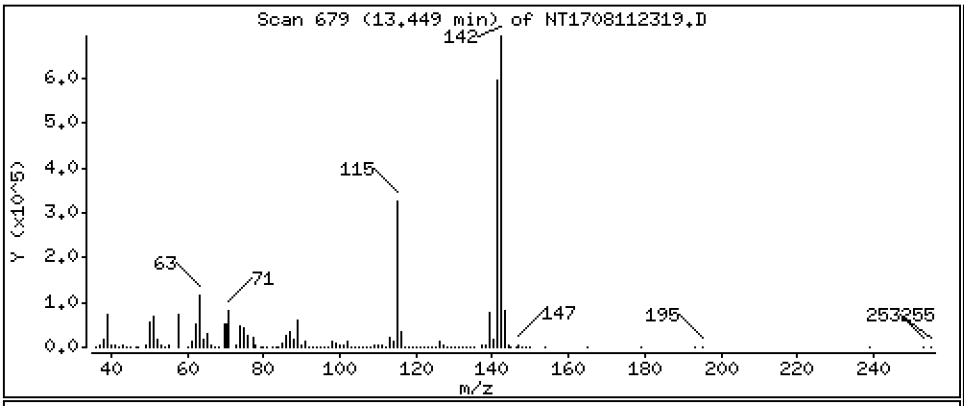
Operator: JGR

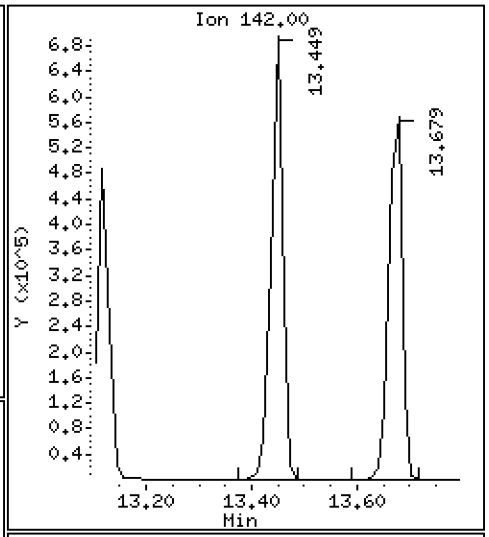
Column phase: ZB-5msi

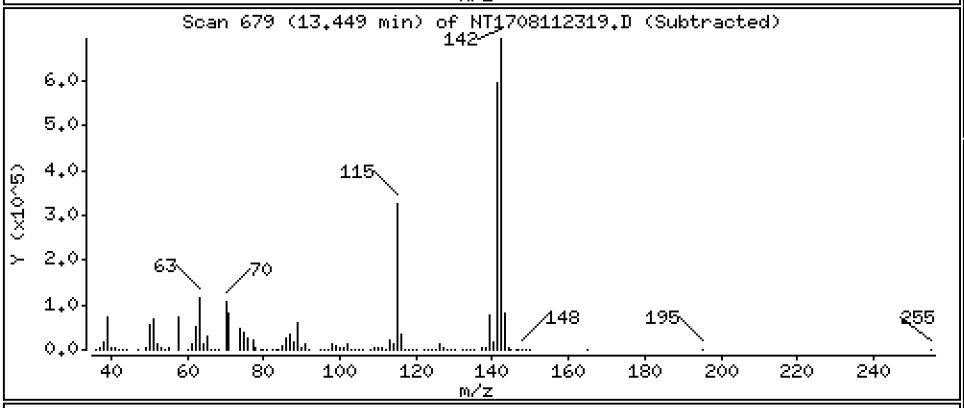
Column diameter: 0.25

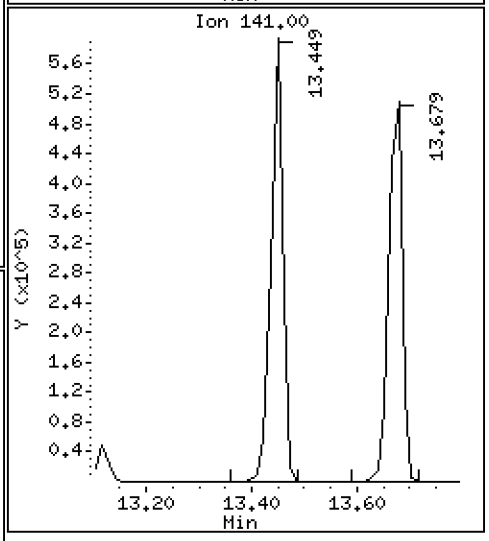
32 2-Methylnaphthalene

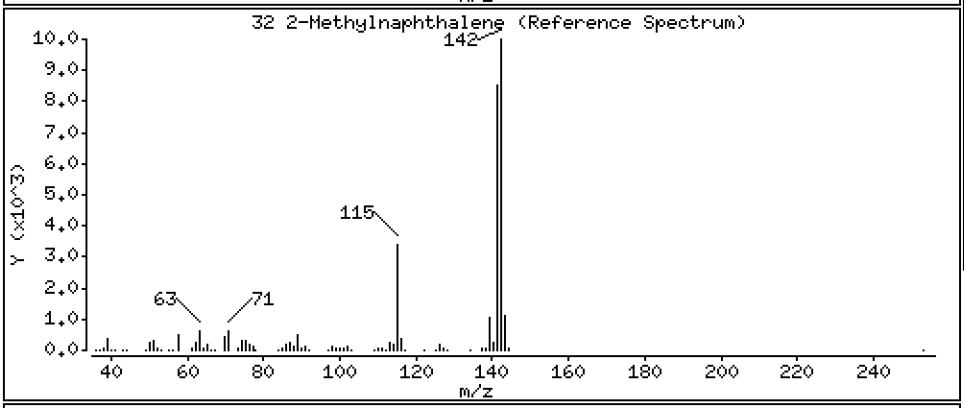
Concentration: 5.280 ug/mL

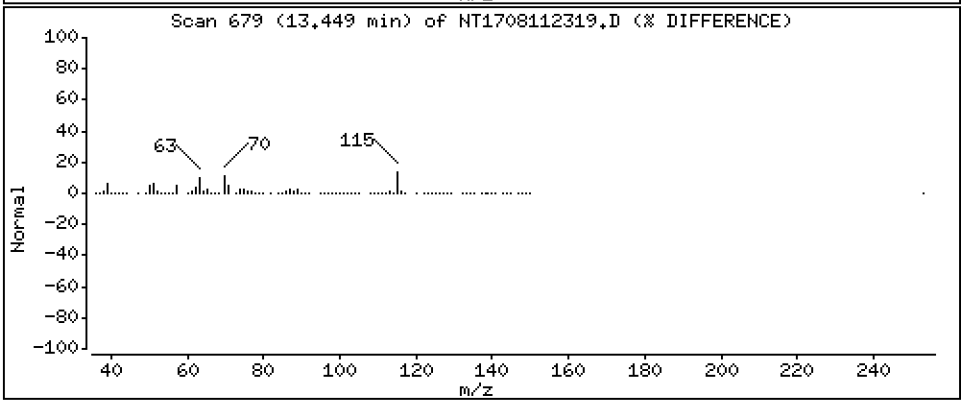












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Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

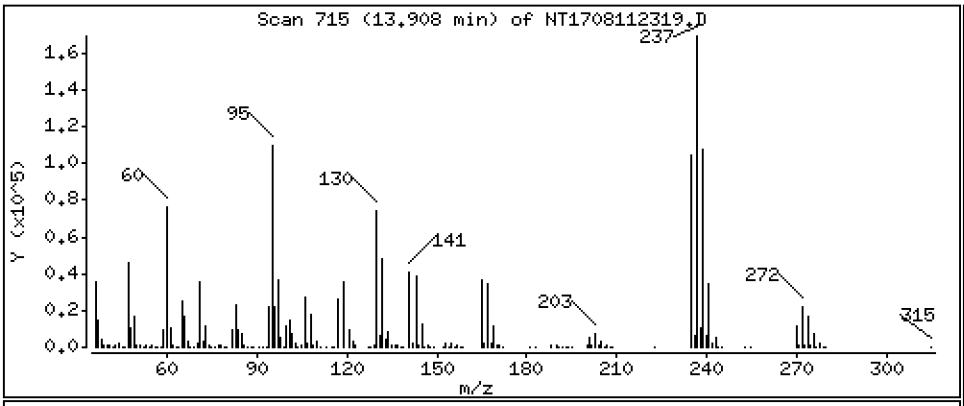
Operator: JGR

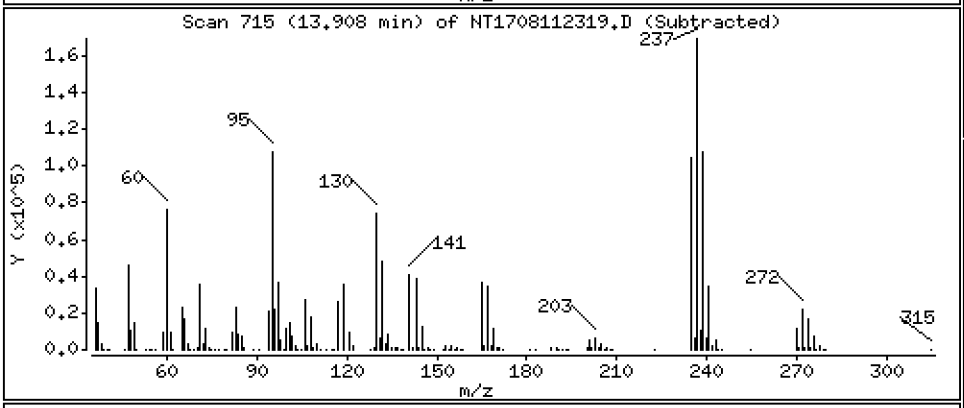
Column phase: ZB-5msi

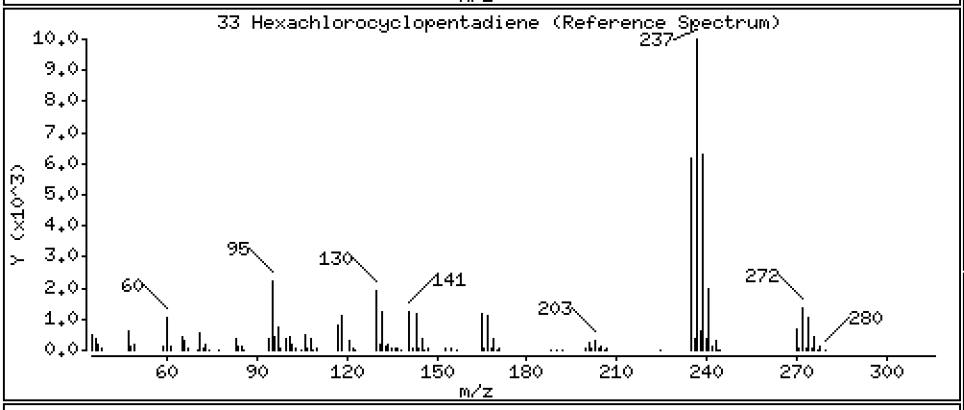
Column diameter: 0.25

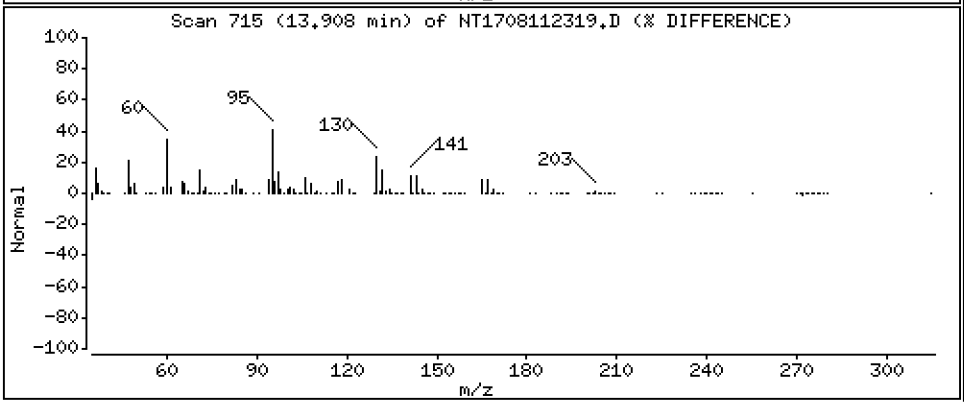
33 Hexachlorocyclopentadiene

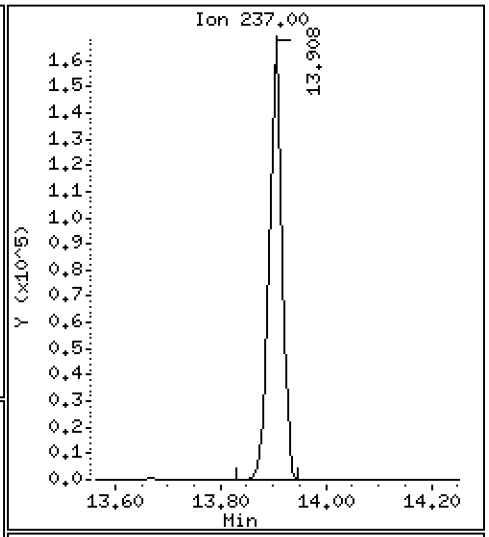
Concentration: 5.811 ug/mL

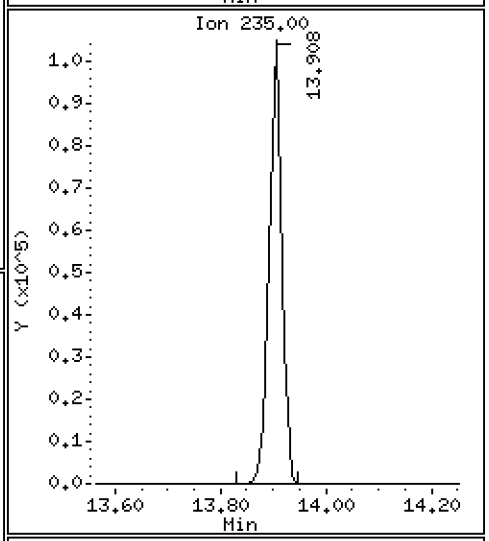


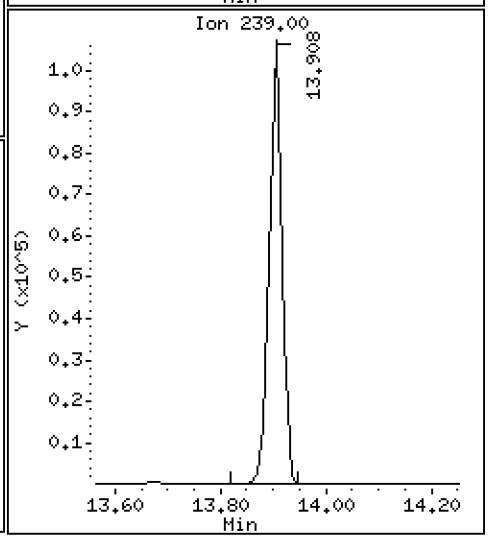












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Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

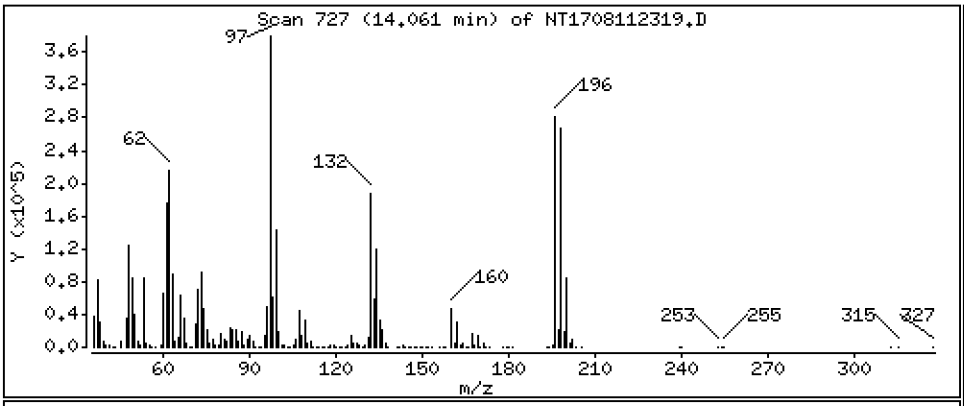
Operator: JGR

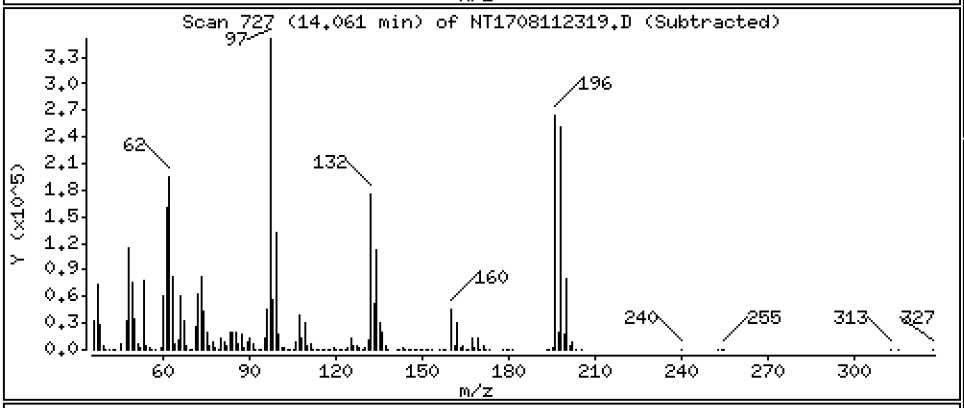
Column phase: ZB-5msi

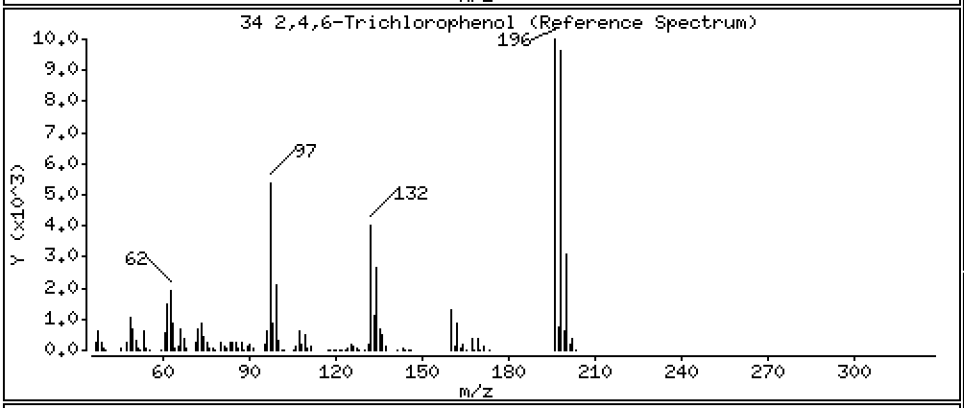
Column diameter: 0.25

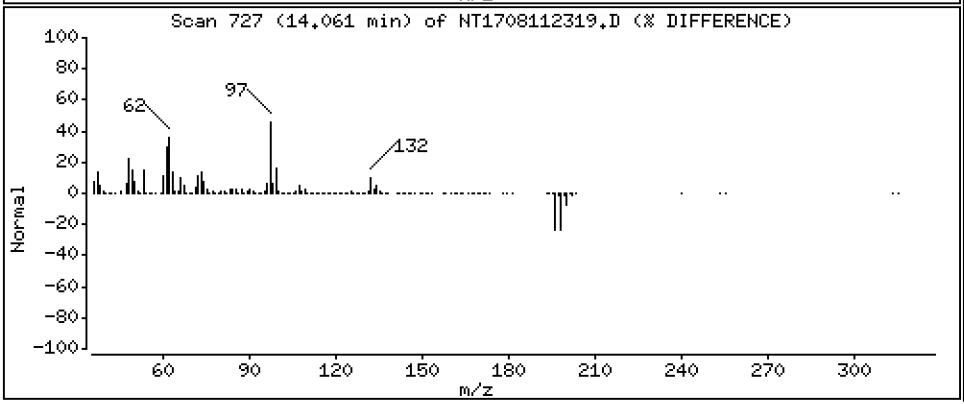
34 2,4,6-Trichlorophenol

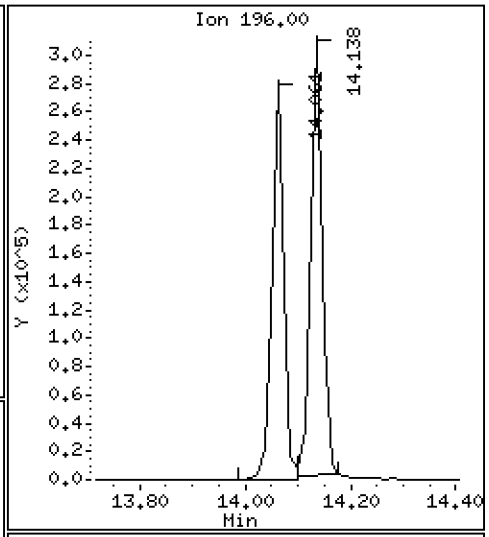
Concentration: 8.553 ug/mL

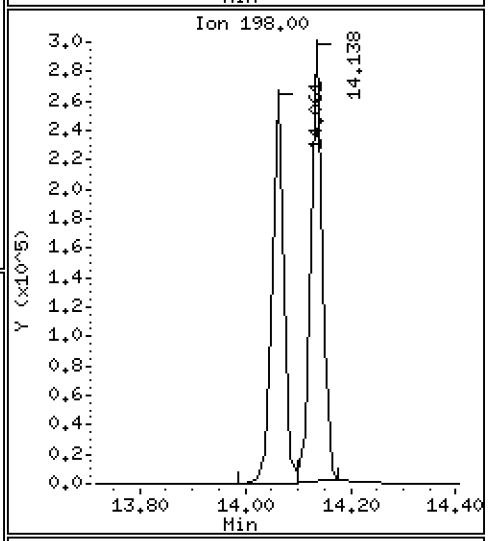


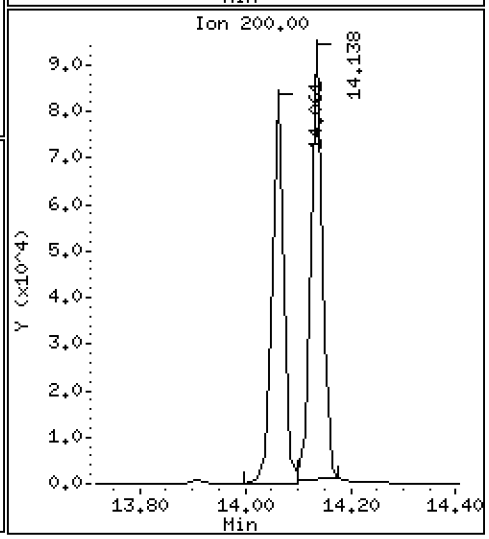












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

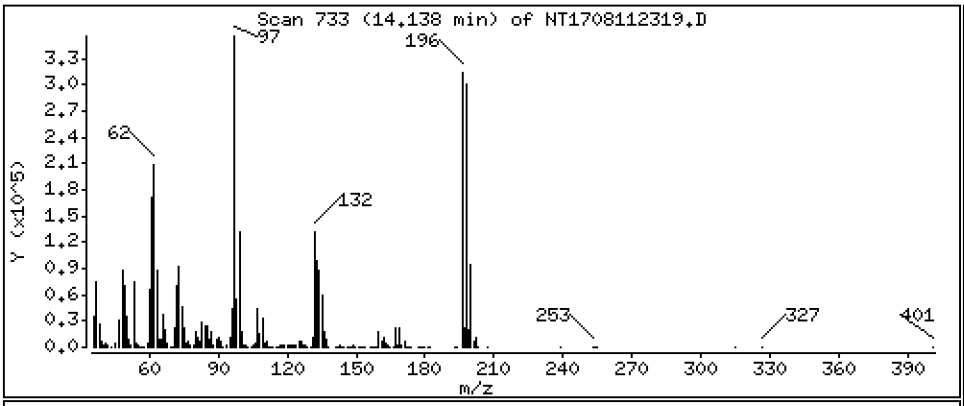
Operator: JGR

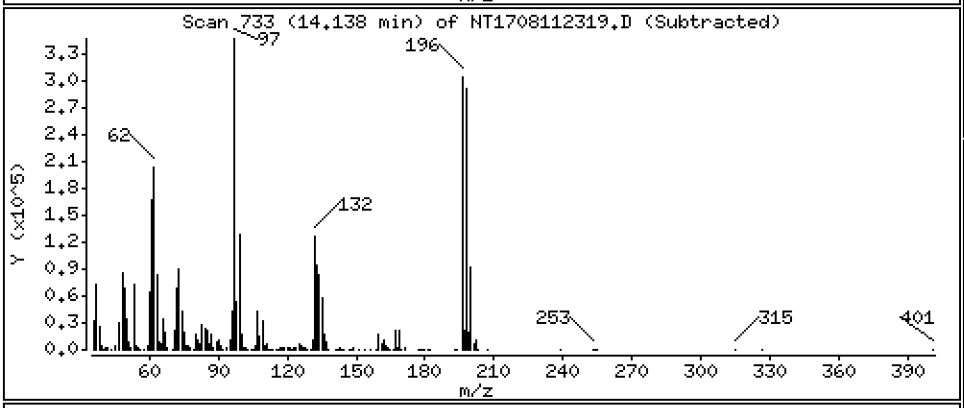
Column phase: ZB-5msi

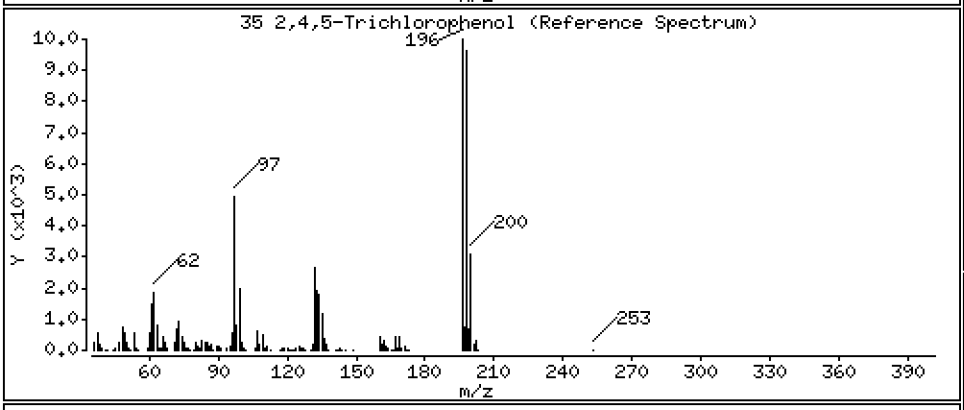
Column diameter: 0.25

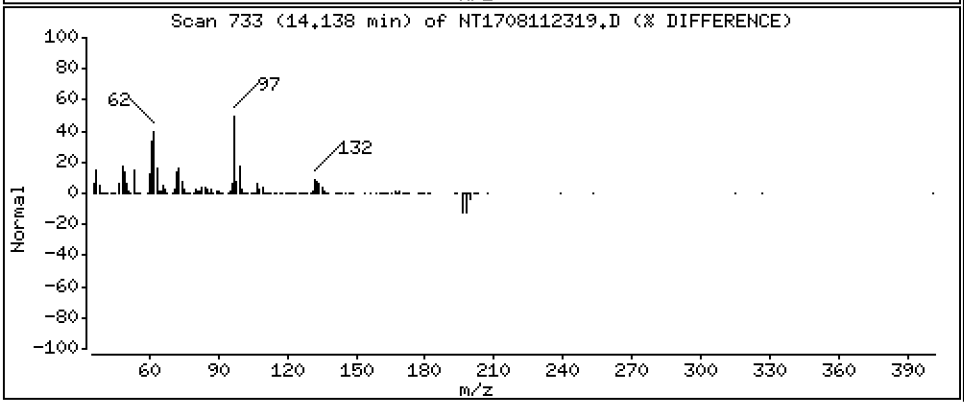
35 2,4,5-Trichlorophenol

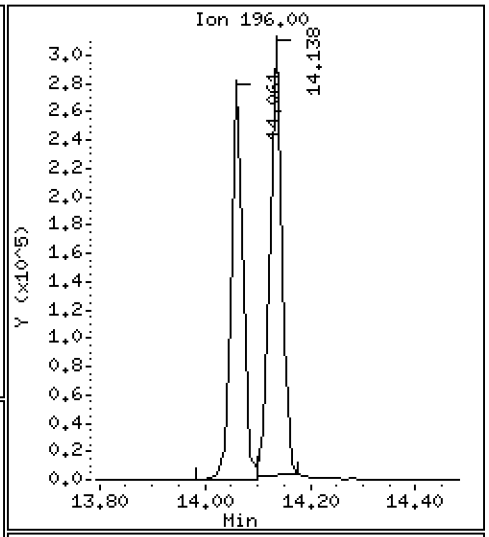
Concentration: 10.12 ug/mL

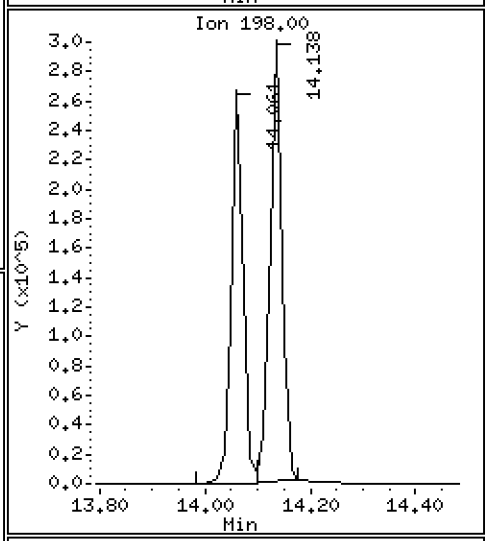


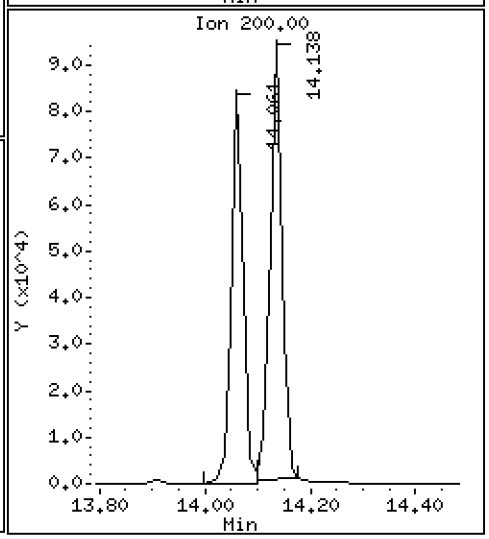












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

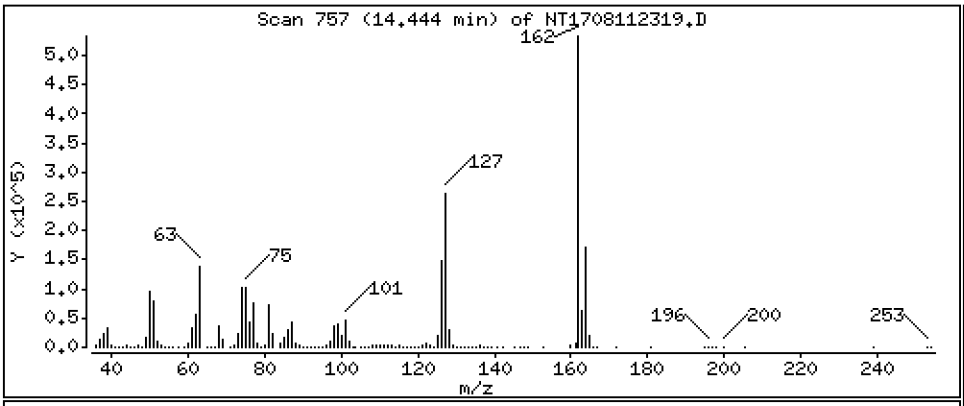
Operator: JGR

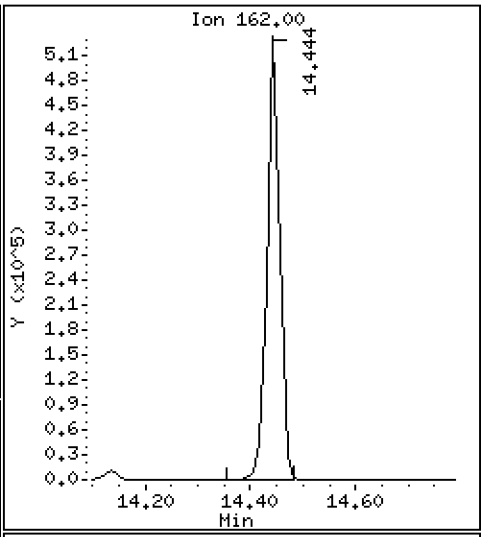
Column phase: ZB-5msi

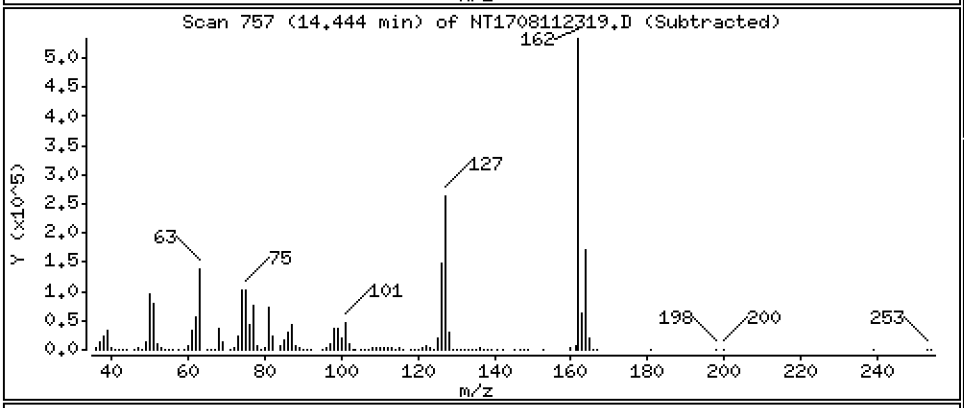
Column diameter: 0.25

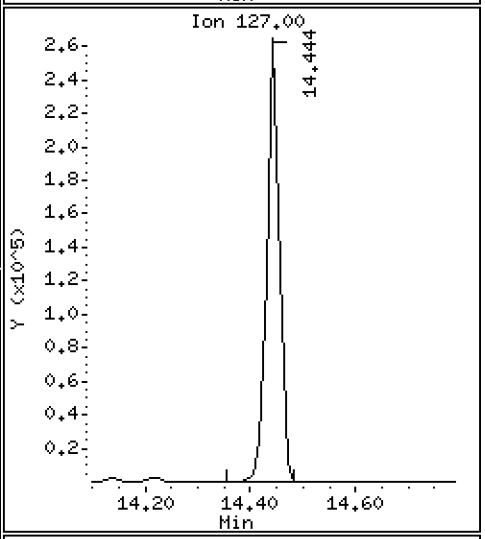
37 2-Chloronaphthalene

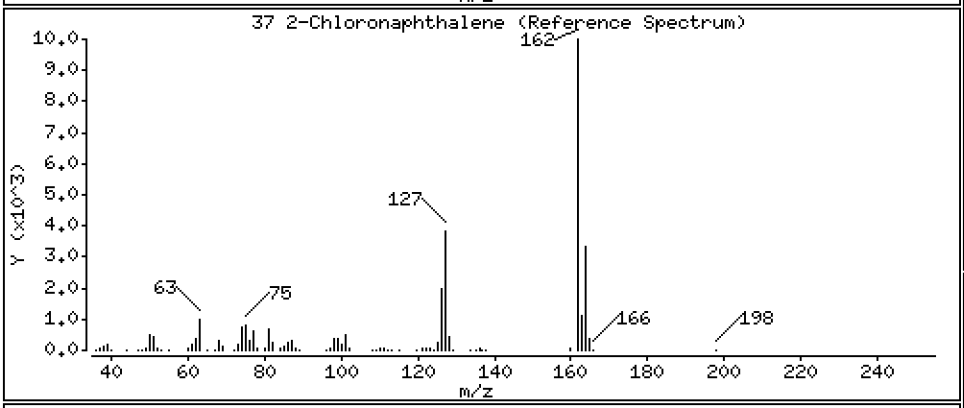
Concentration: 5.173 ug/mL

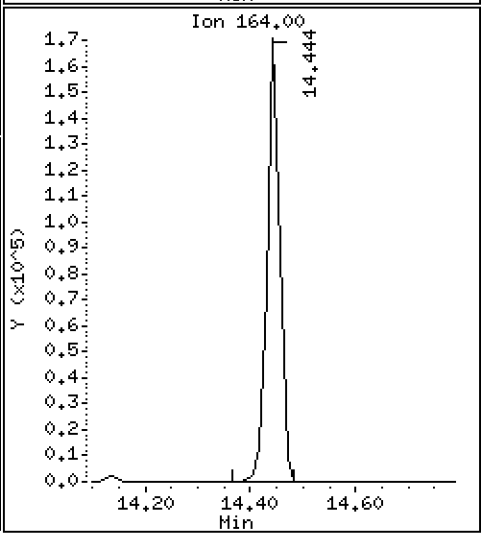


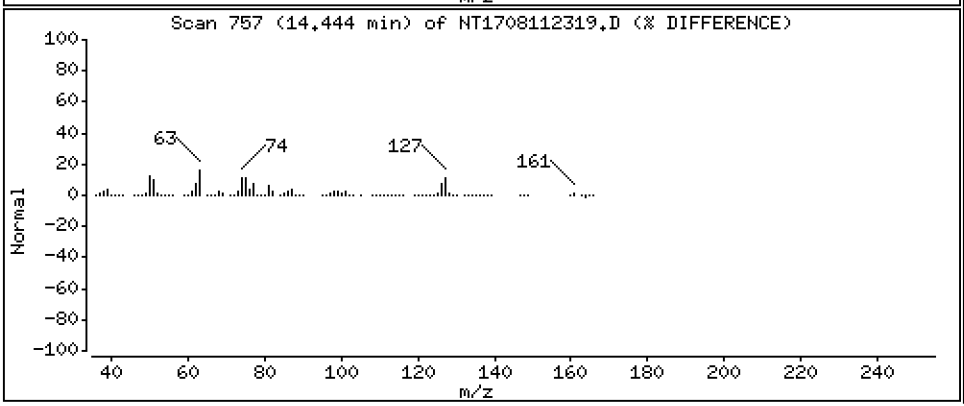












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Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

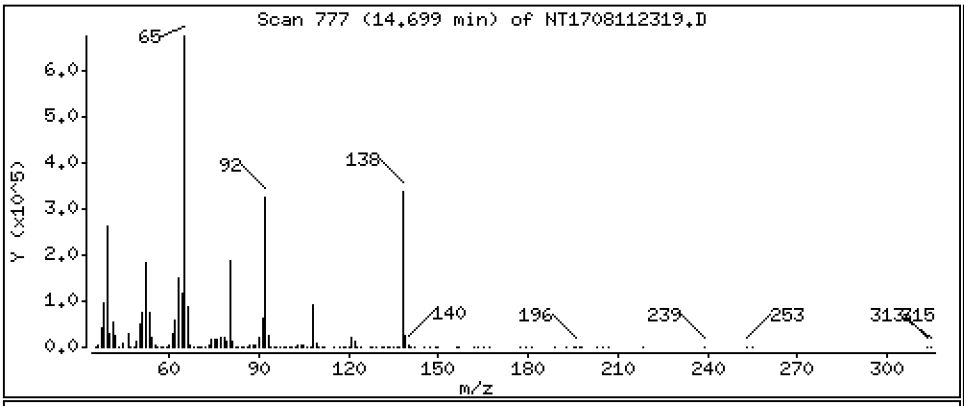
Operator: JGR

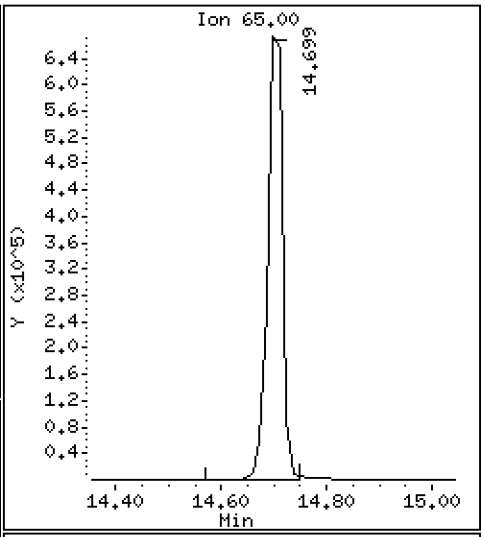
Column phase: ZB-5msi

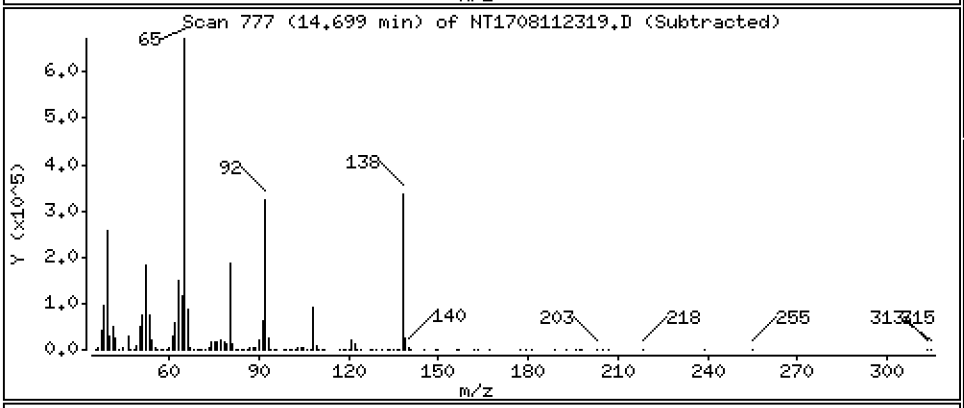
Column diameter: 0.25

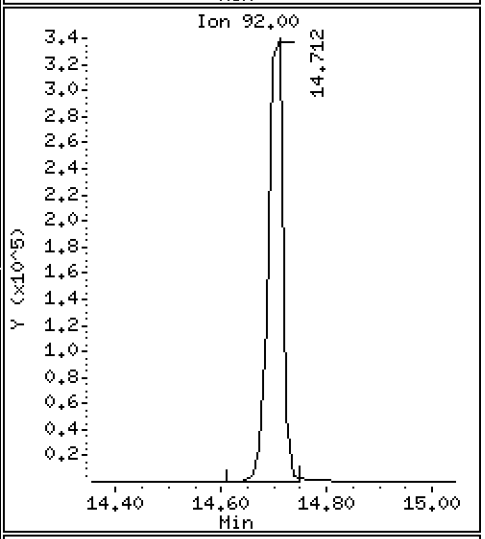
38 2-Nitroaniline

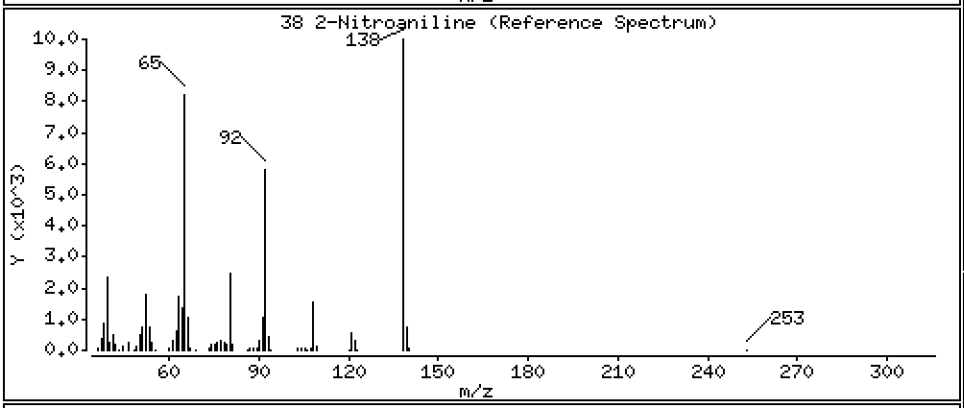
Concentration: 10.05 ug/mL

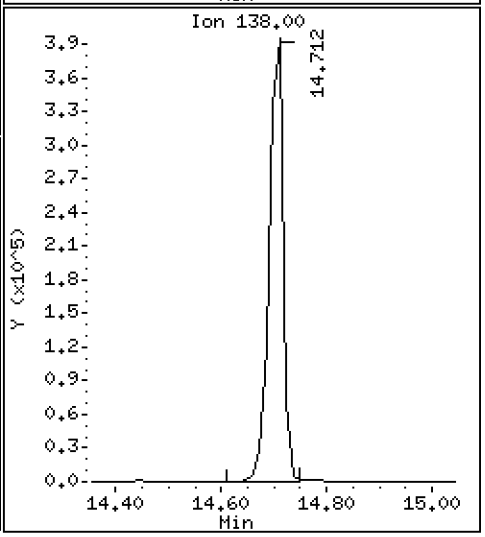


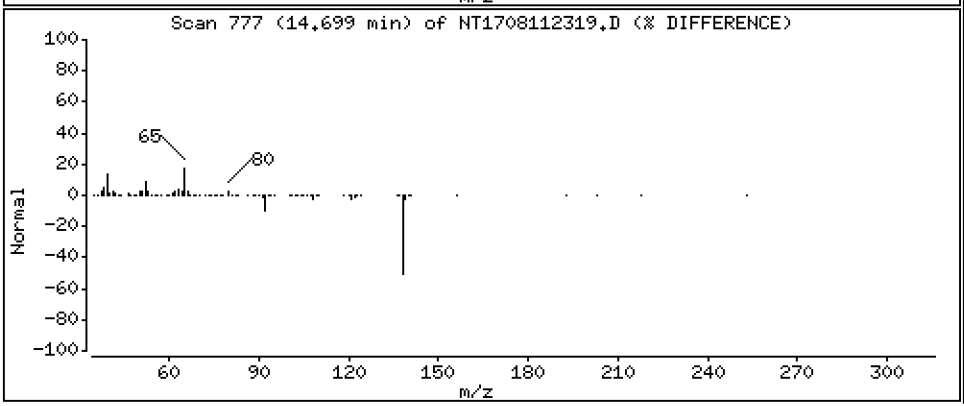












Date : 11-AUG-2023 23:25

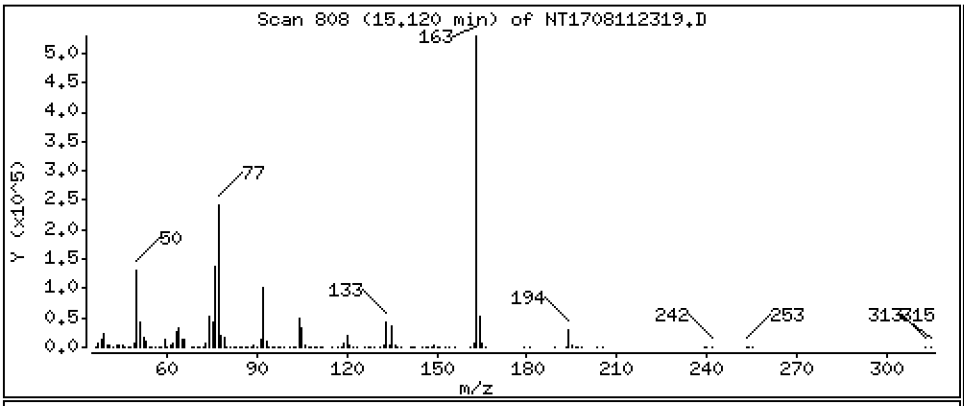
Client ID: Instrument: nt17.i

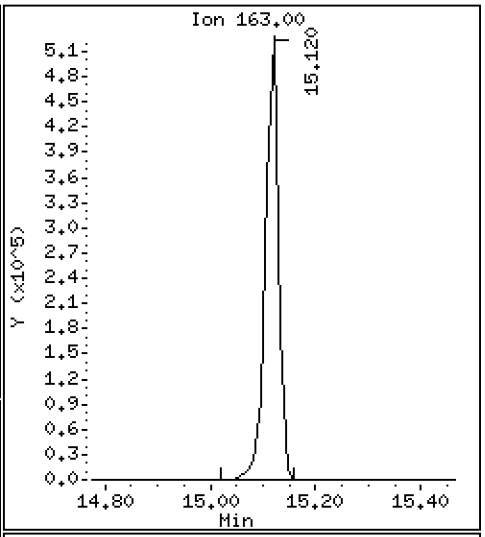
Sample Info: SEQ-CCV1

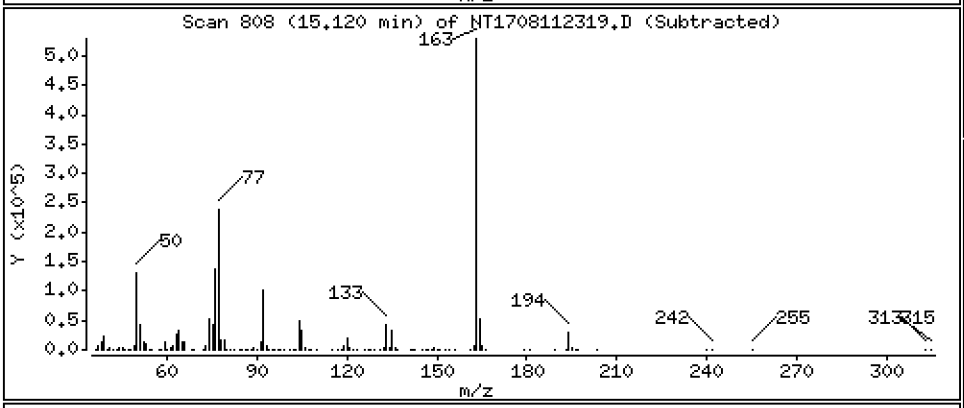
Operator: JGR

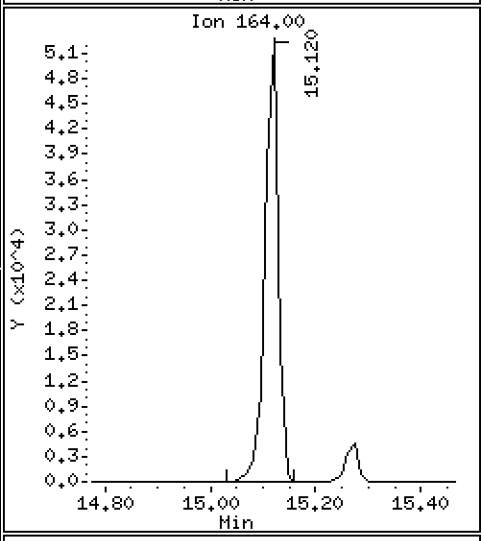
Column phase: ZB-5msi Column diameter: 0.25

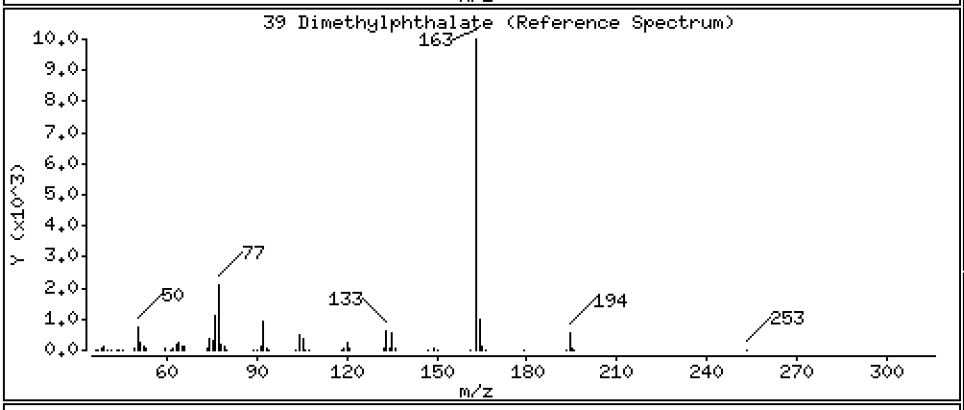
39 Dimethylphthalate Concentration: 5.298 ug/mL

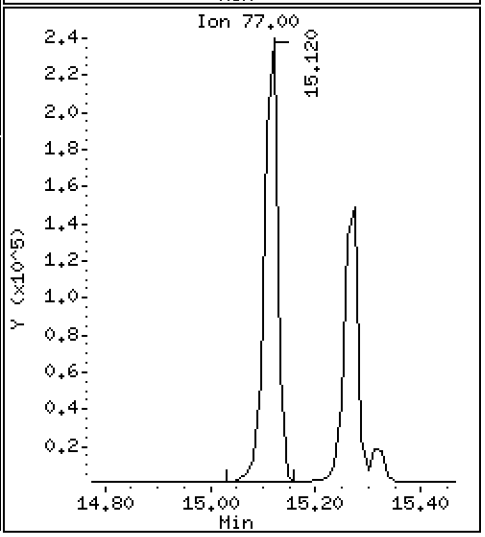


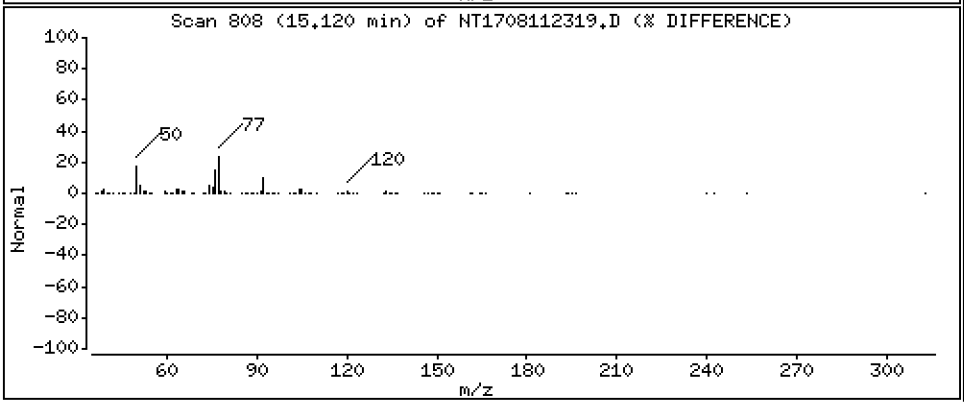












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

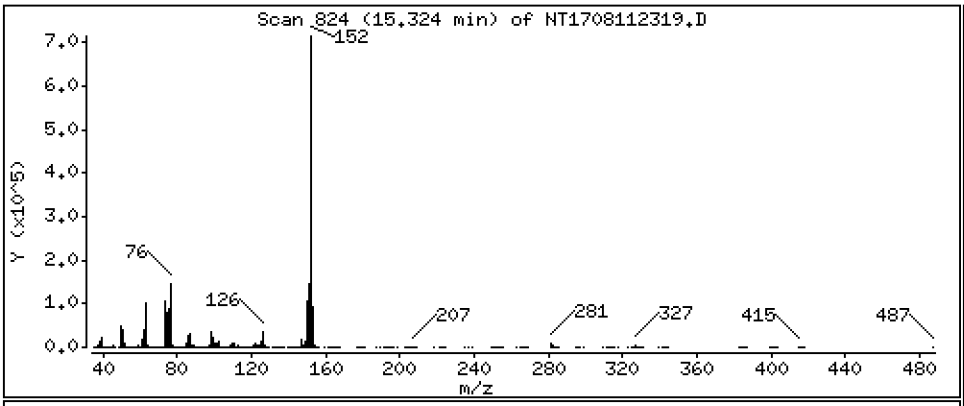
Operator: JGR

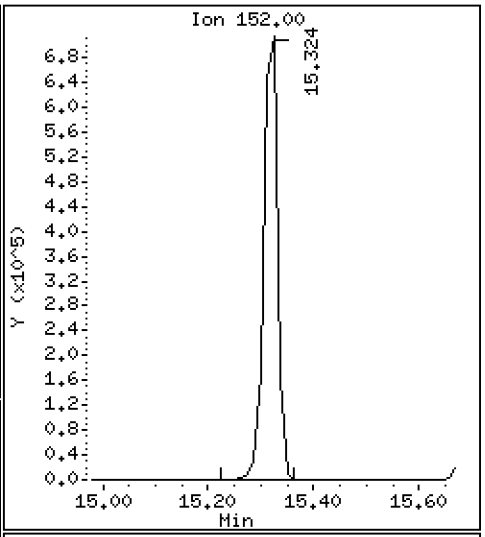
Column phase: ZB-5msi

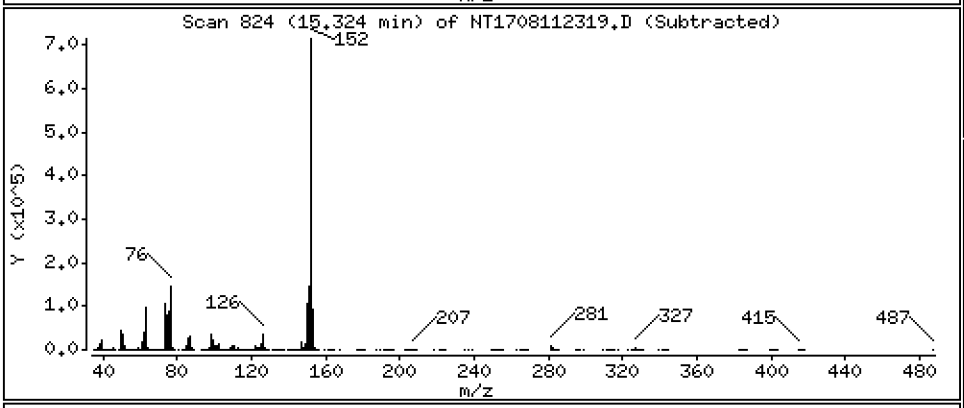
Column diameter: 0.25

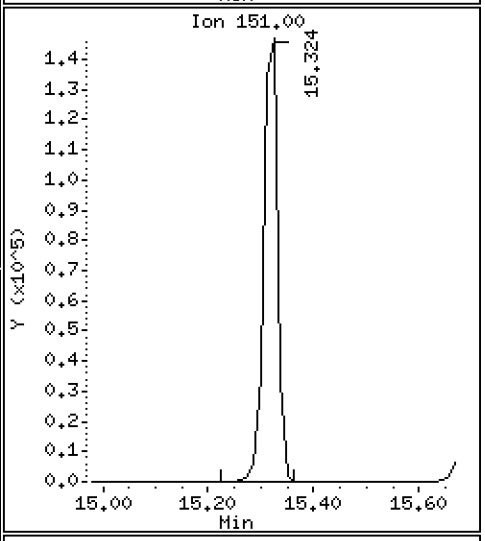
40 Acenaphthylene

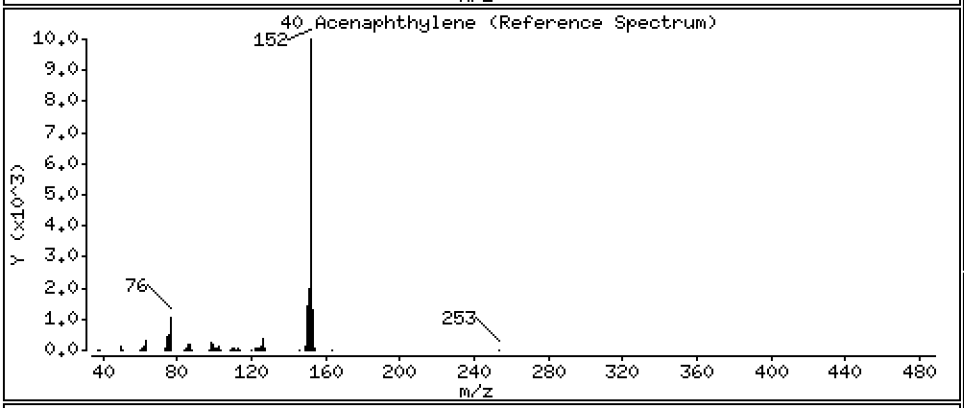
Concentration: 5.214 ug/mL

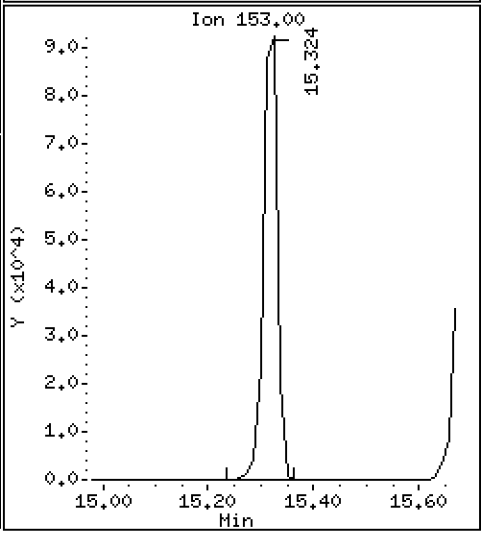


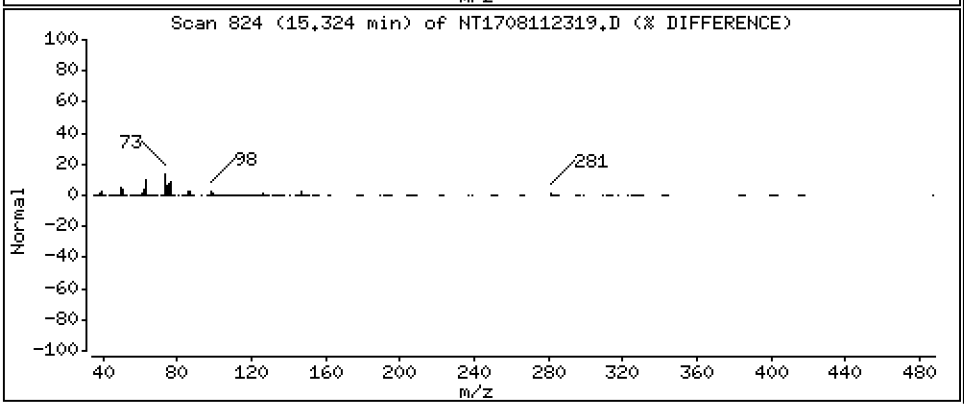












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

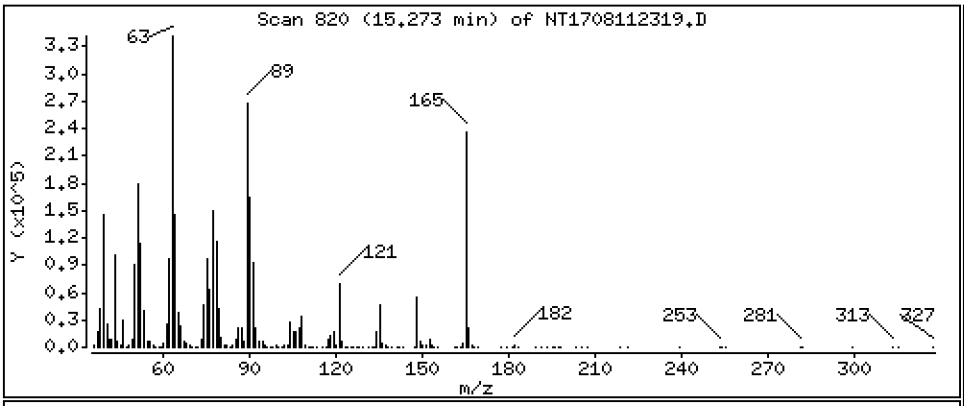
Operator: JGR

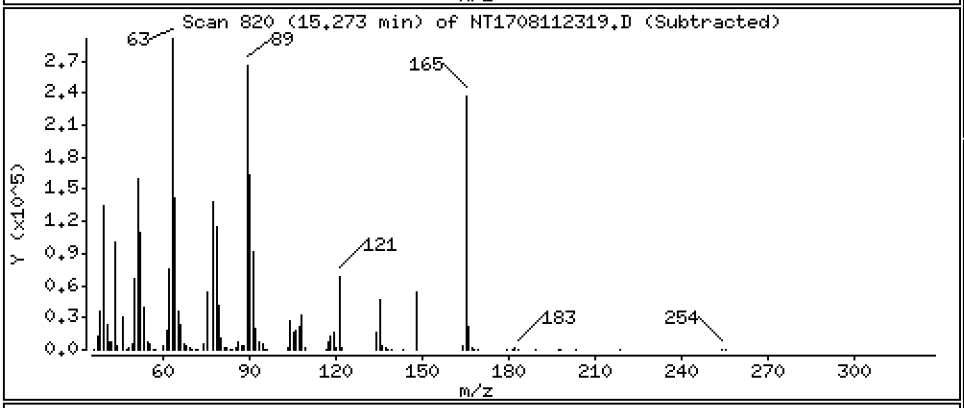
Column phase: ZB-5msi

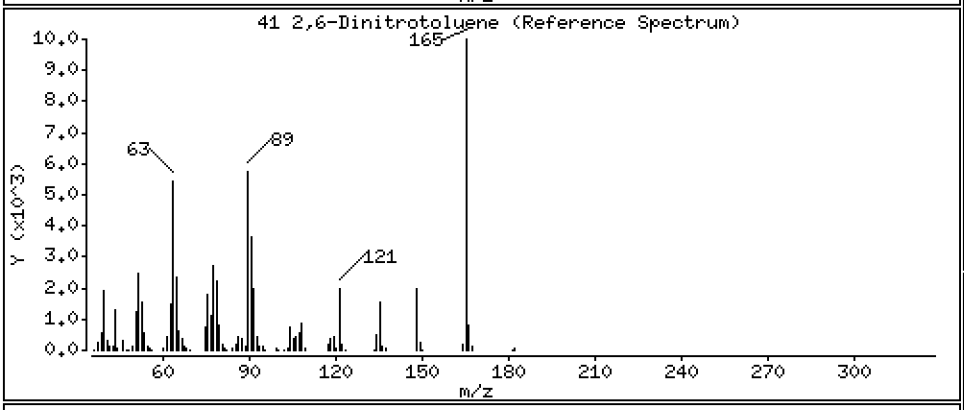
Column diameter: 0.25

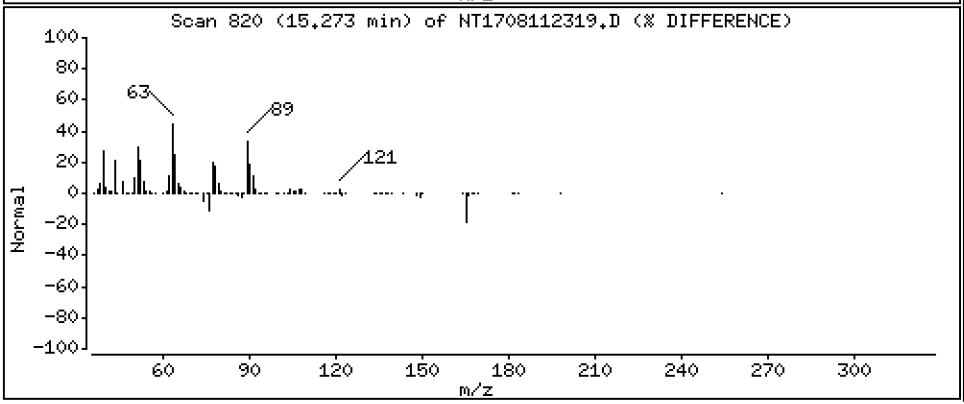
41 2,6-Dinitrotoluene

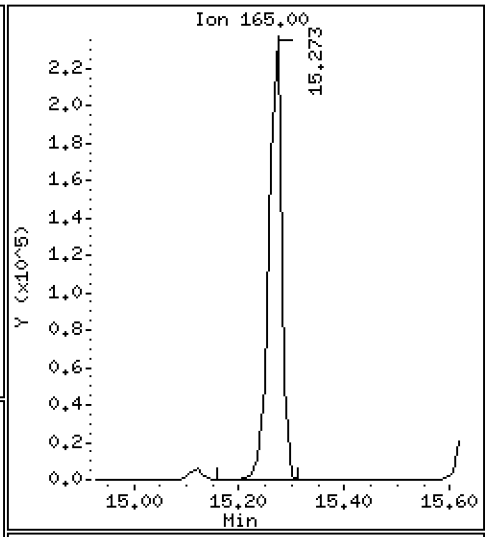
Concentration: 10.72 ug/mL

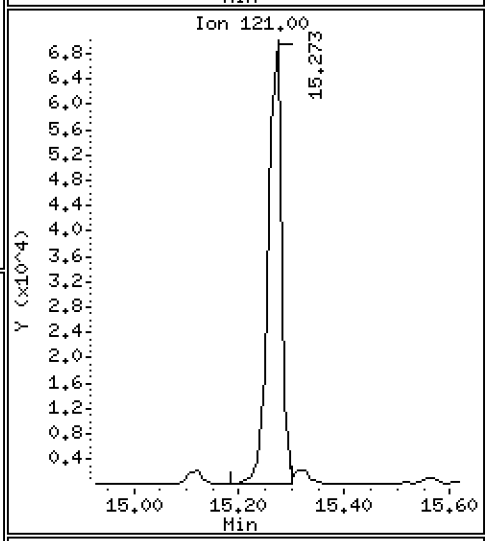


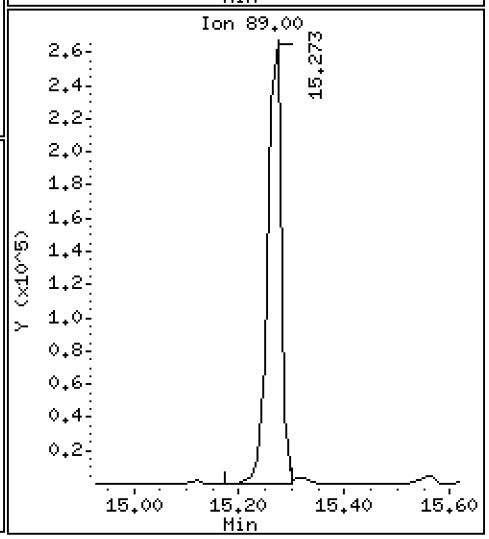












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

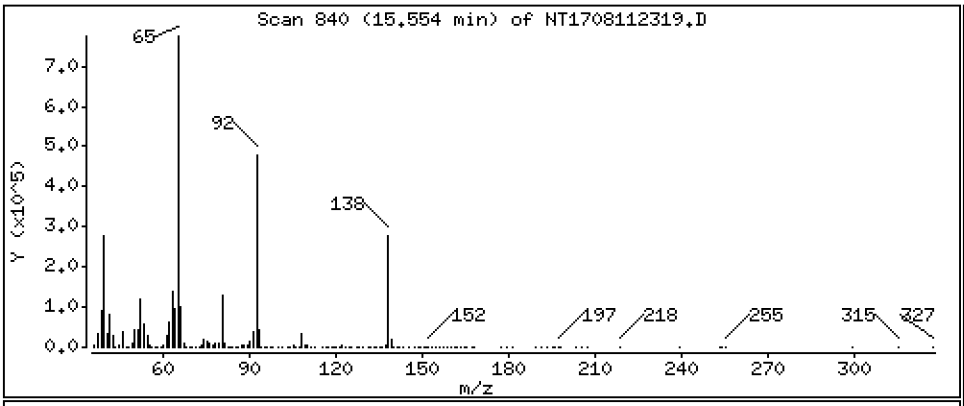
Operator: JGR

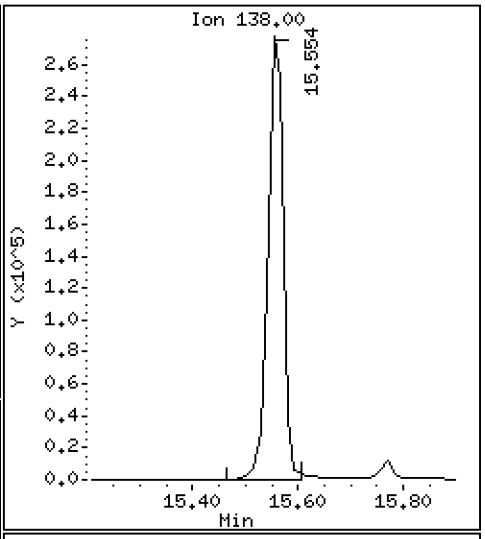
Column phase: ZB-5msi

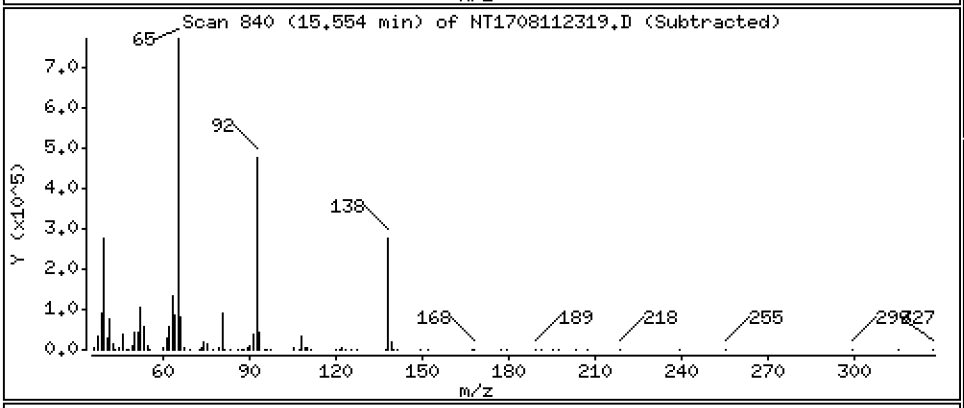
Column diameter: 0.25

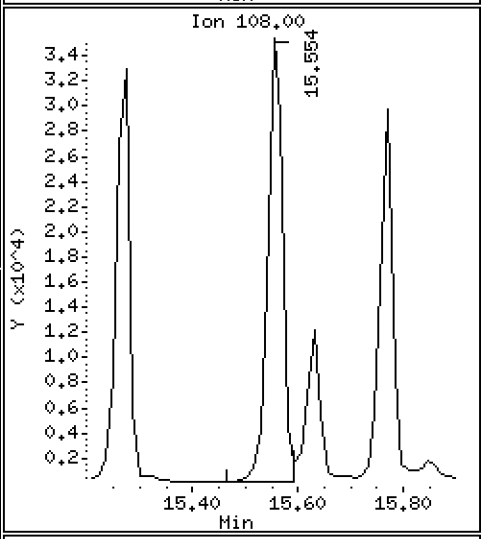
43 3-Nitroaniline

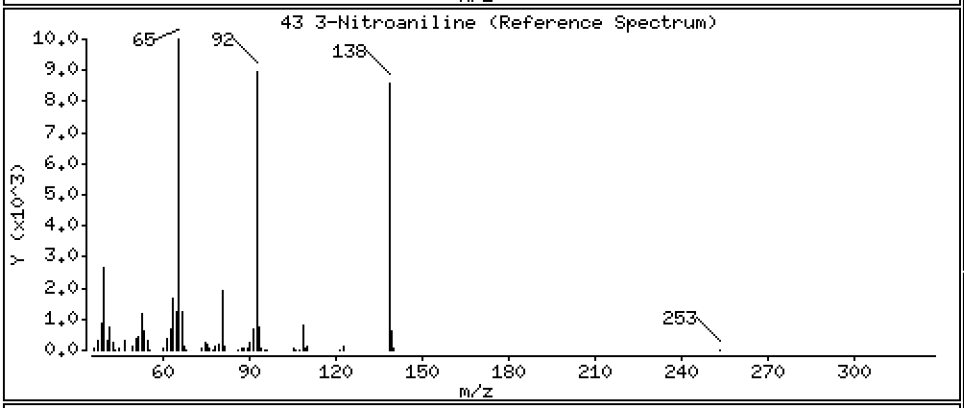
Concentration: 9.143 ug/mL

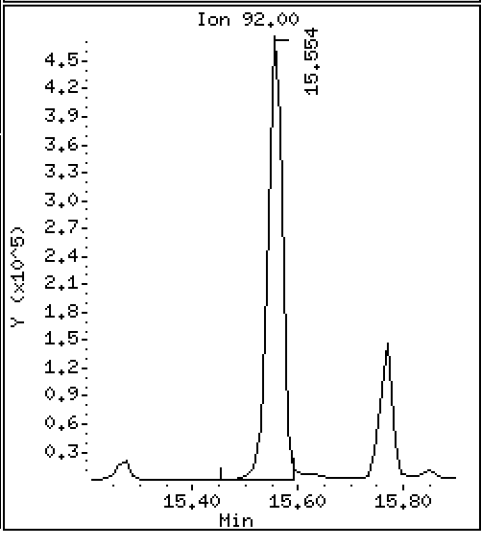


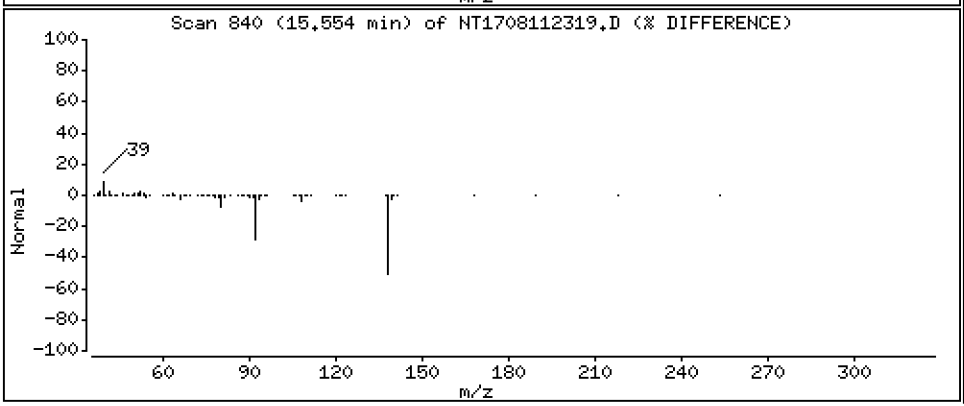












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

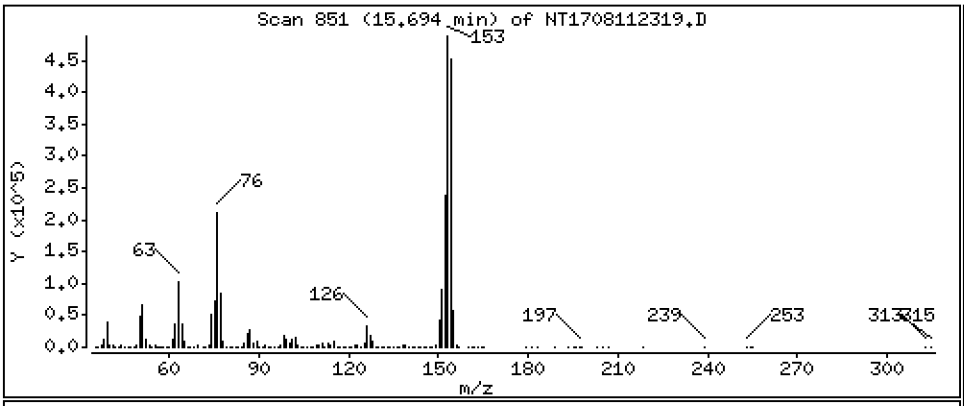
Operator: JGR

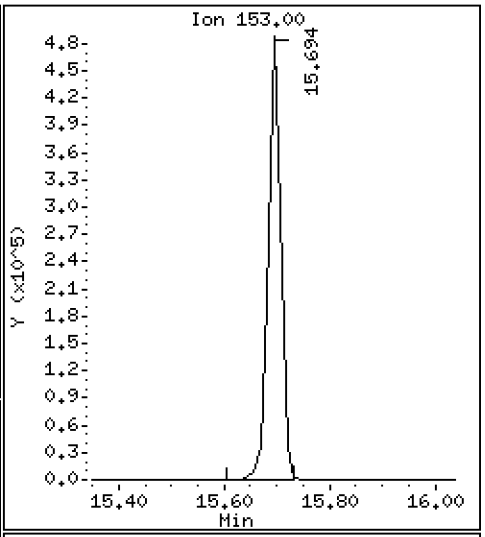
Column phase: ZB-5msi

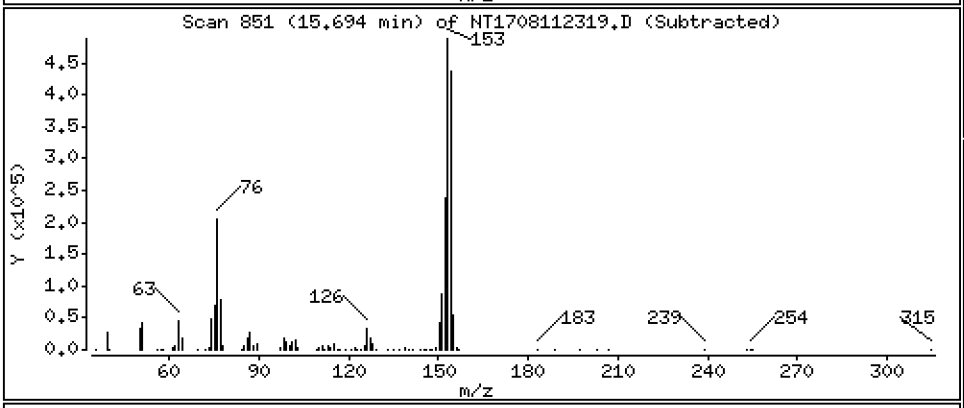
Column diameter: 0.25

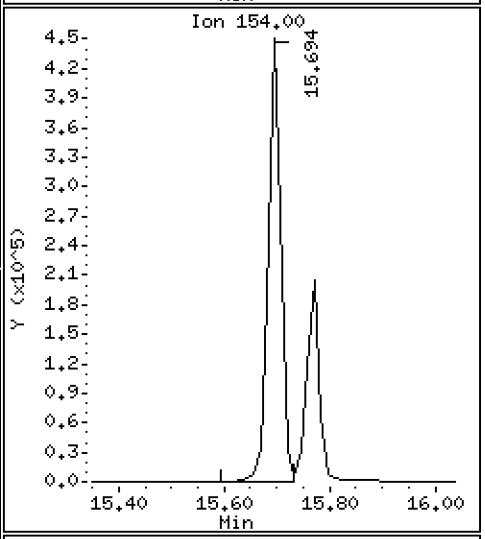
44 Acenaphthene

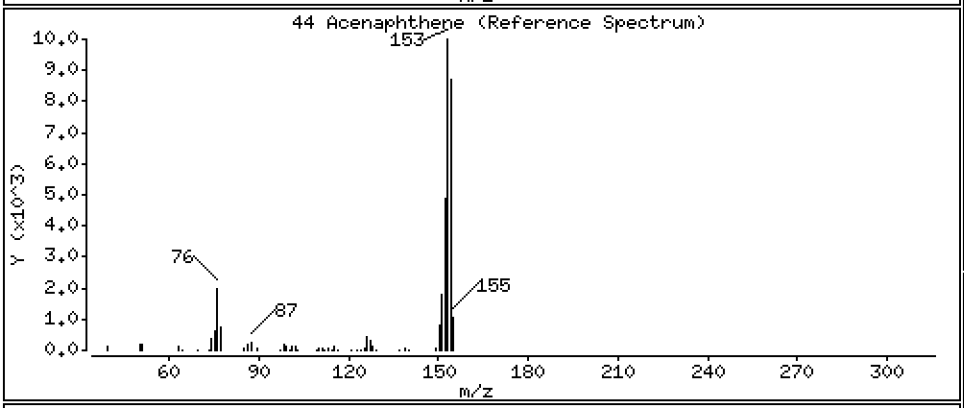
Concentration: 5.050 ug/mL

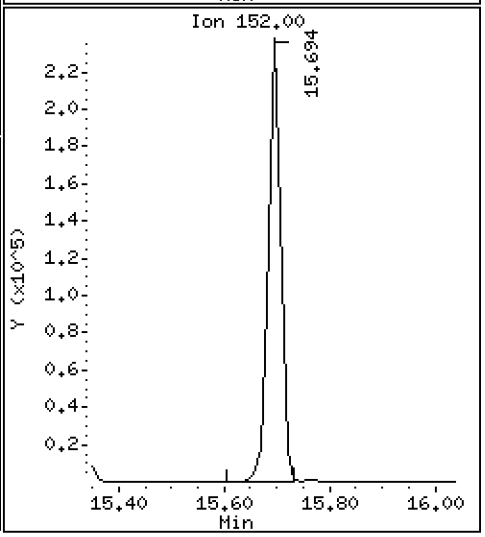


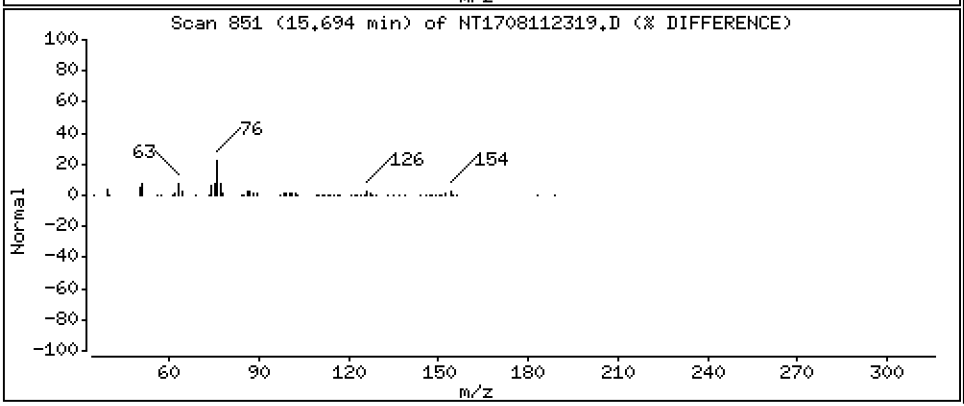












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

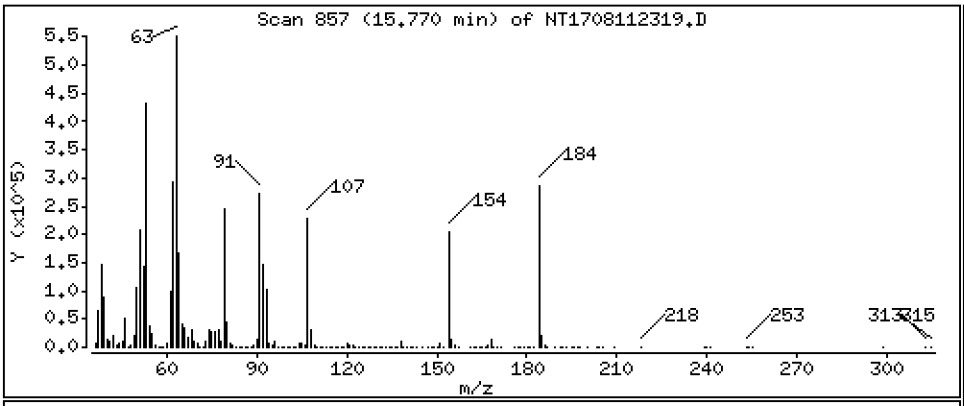
Operator: JGR

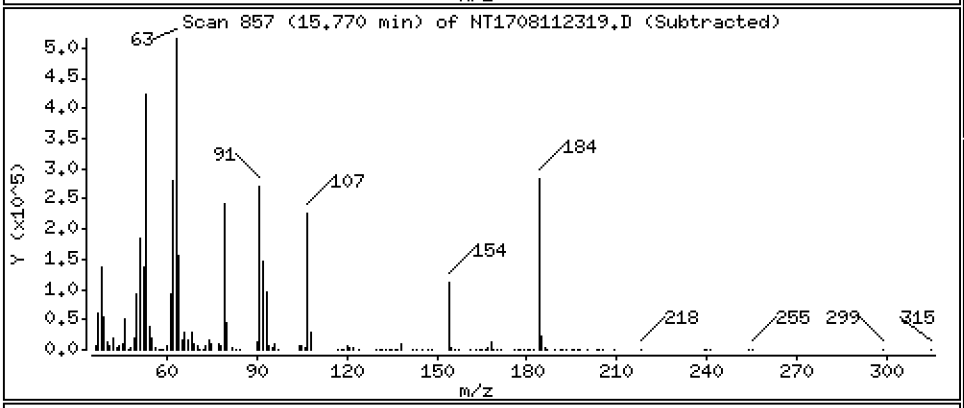
Column phase: ZB-5msi

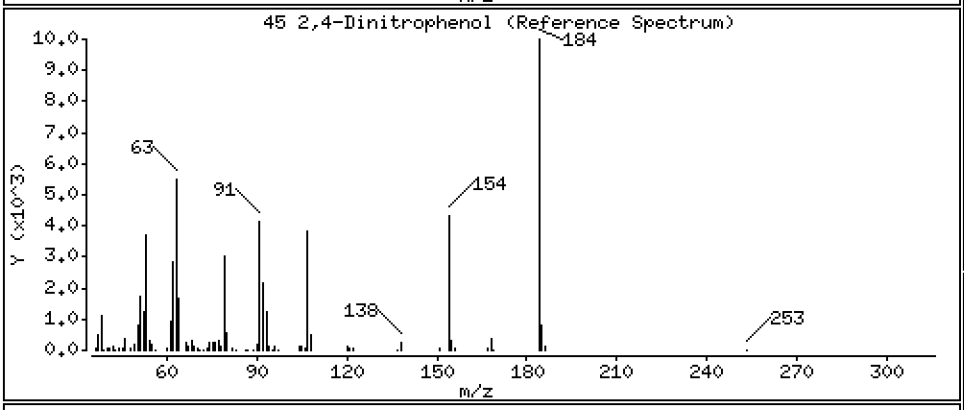
Column diameter: 0.25

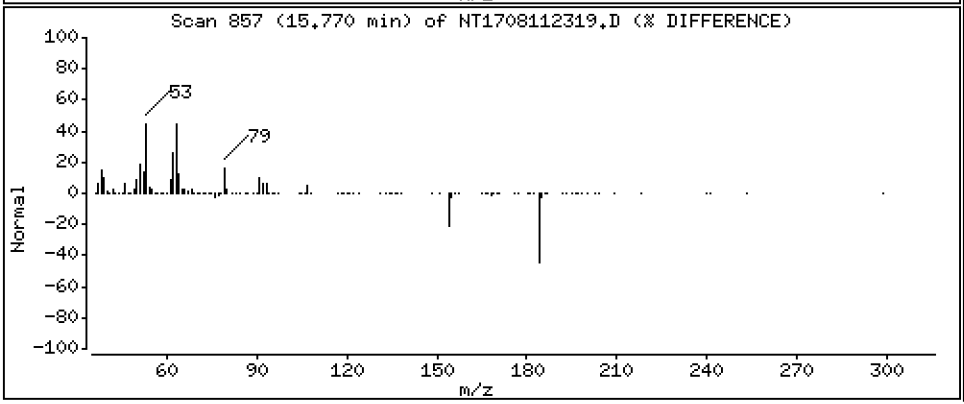
45 2,4-Dinitrophenol

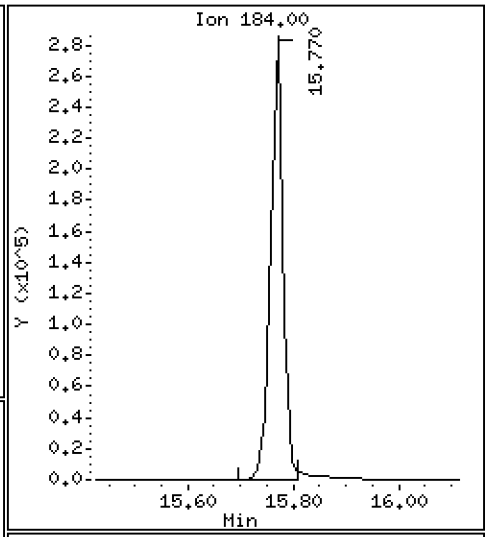
Concentration: 20.12 ug/mL

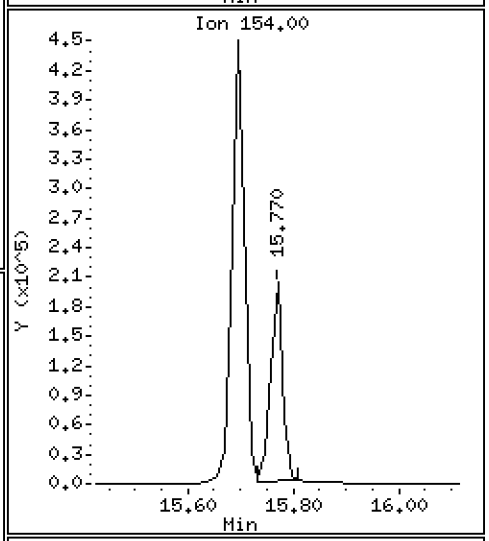


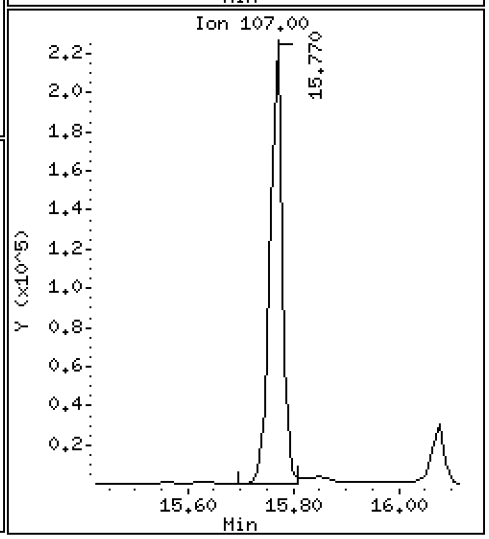












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

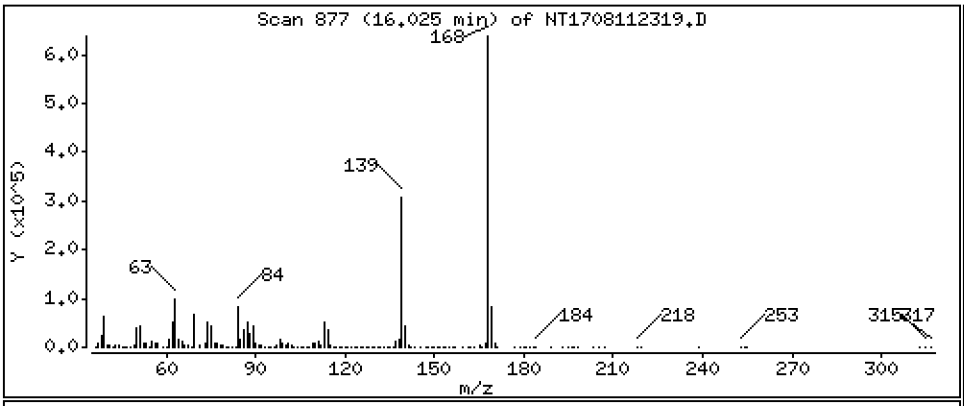
Operator: JGR

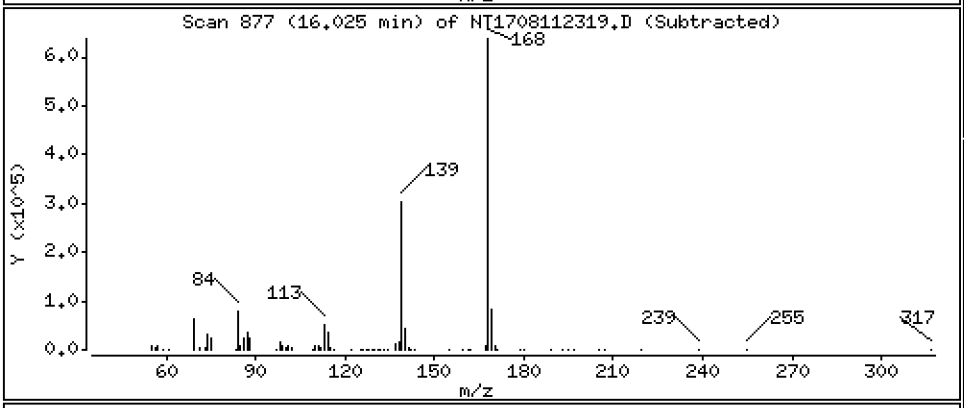
Column phase: ZB-5msi

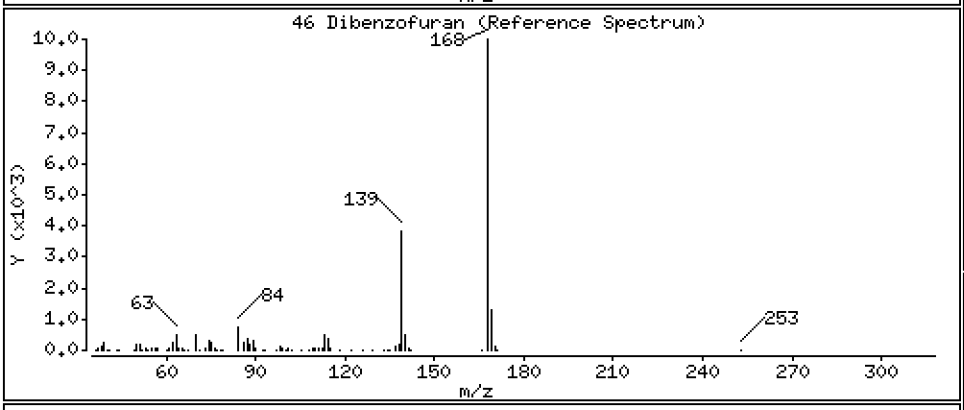
Column diameter: 0.25

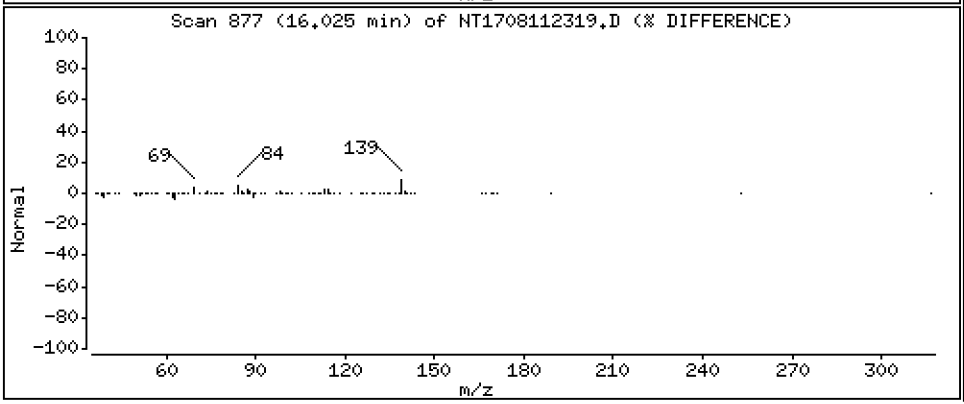
46 Dibenzofuran

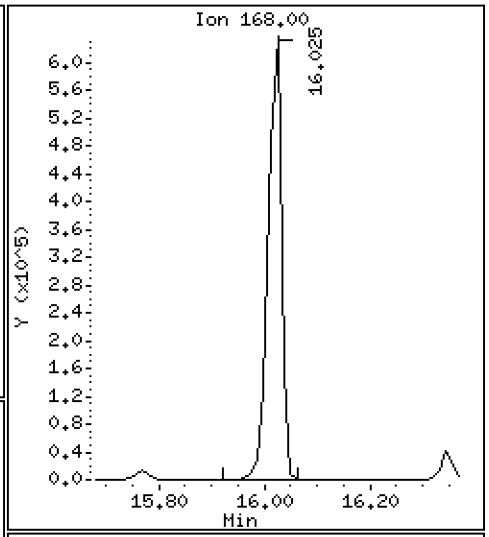
Concentration: 5.091 ug/mL

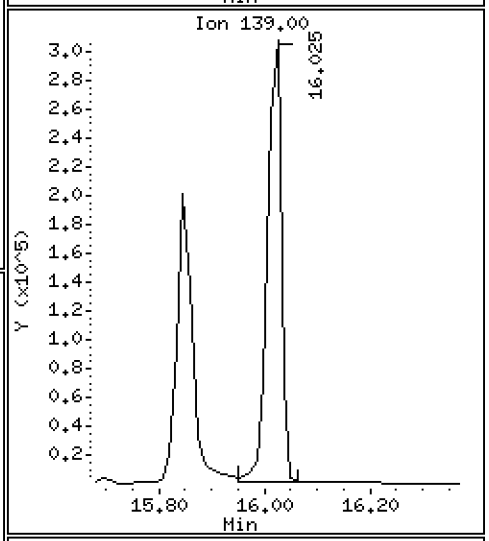


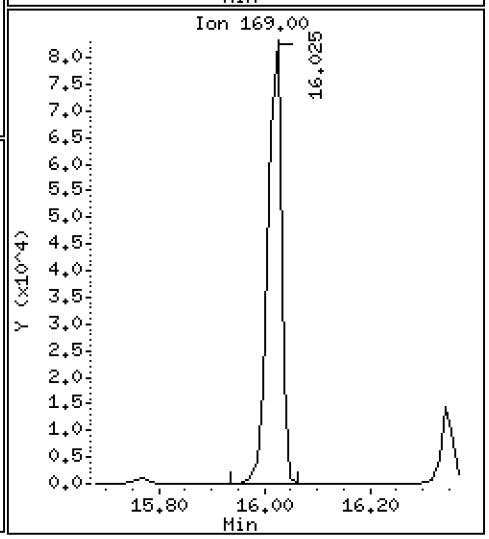












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

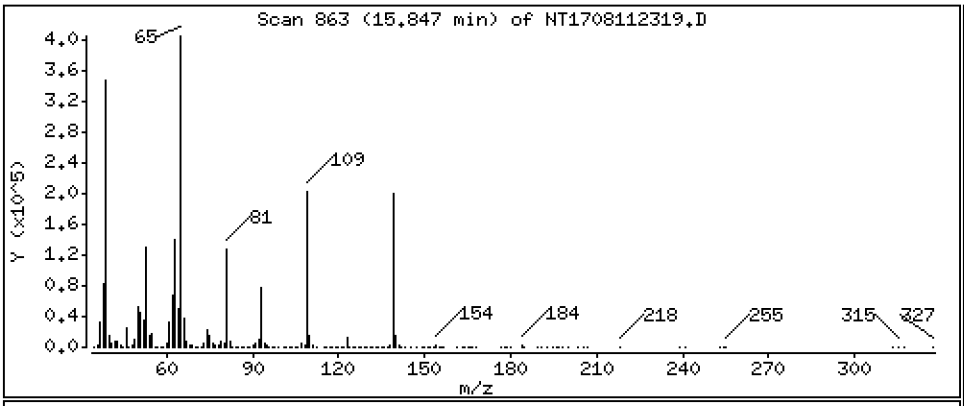
Operator: JGR

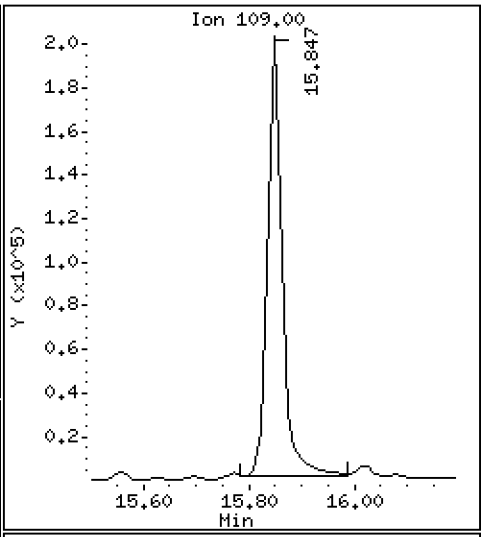
Column phase: ZB-5msi

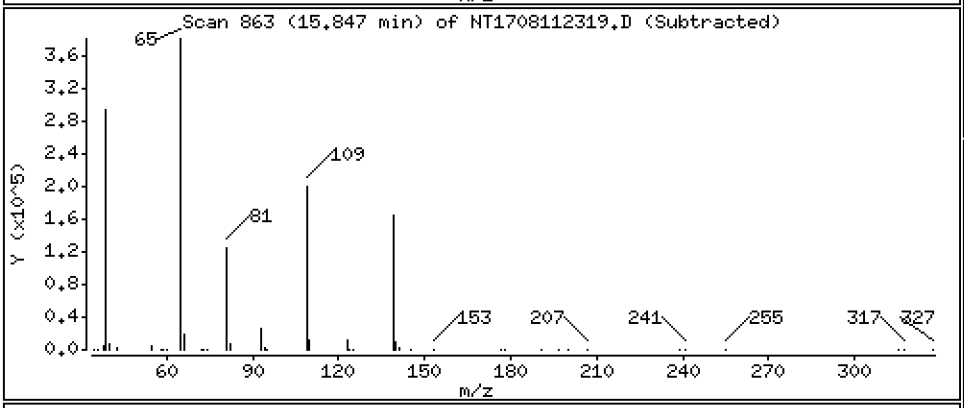
Column diameter: 0.25

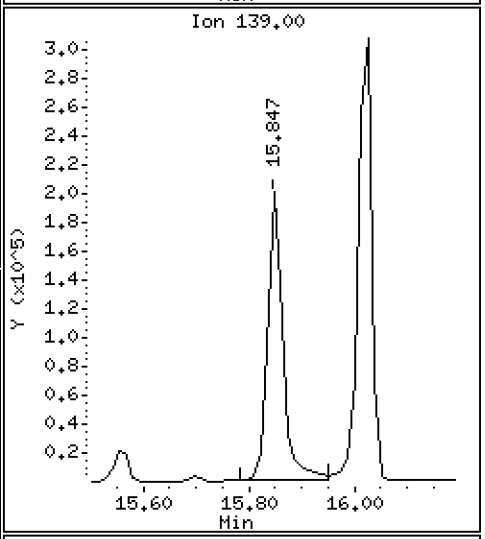
47 4-Nitrophenol

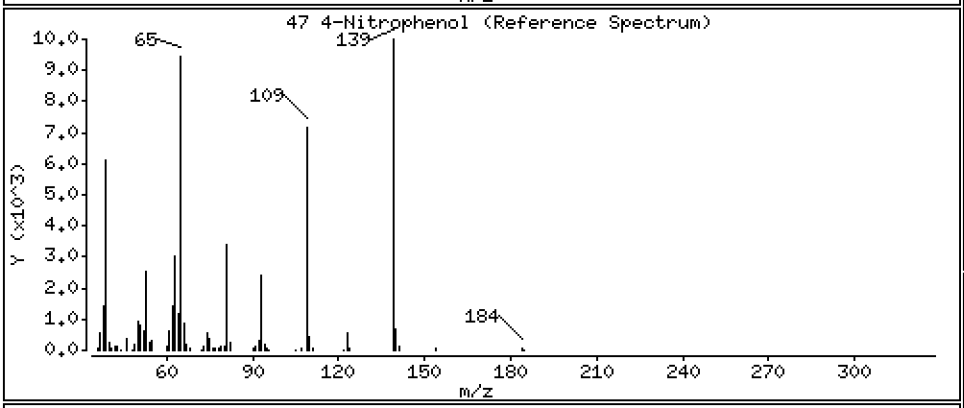
Concentration: 8.984 ug/mL

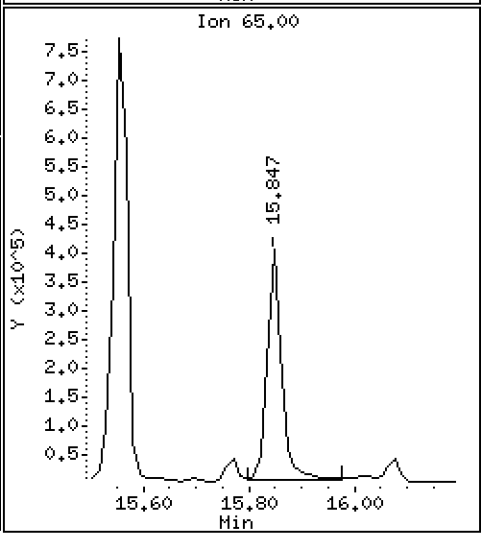


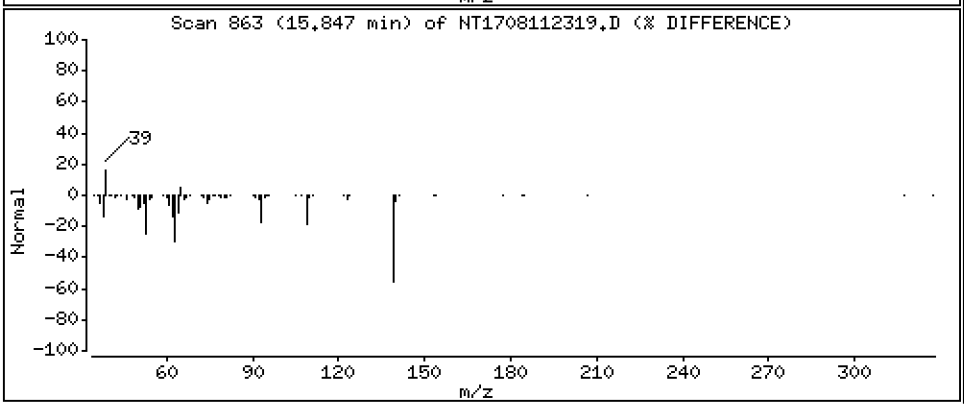












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

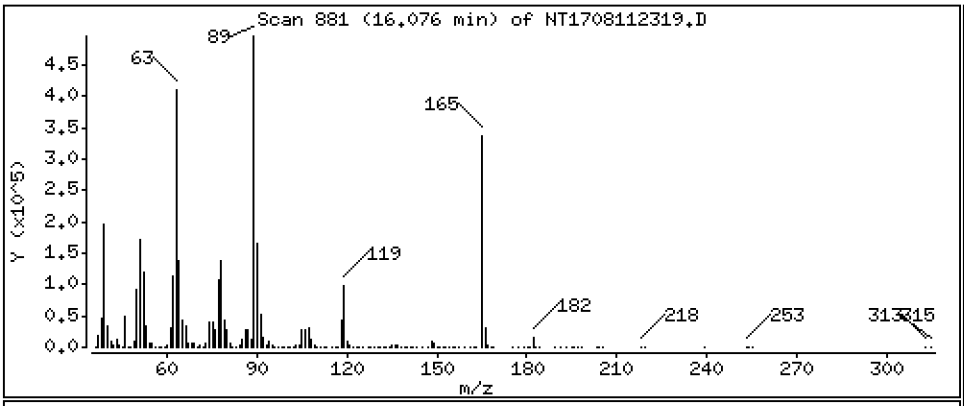
Operator: JGR

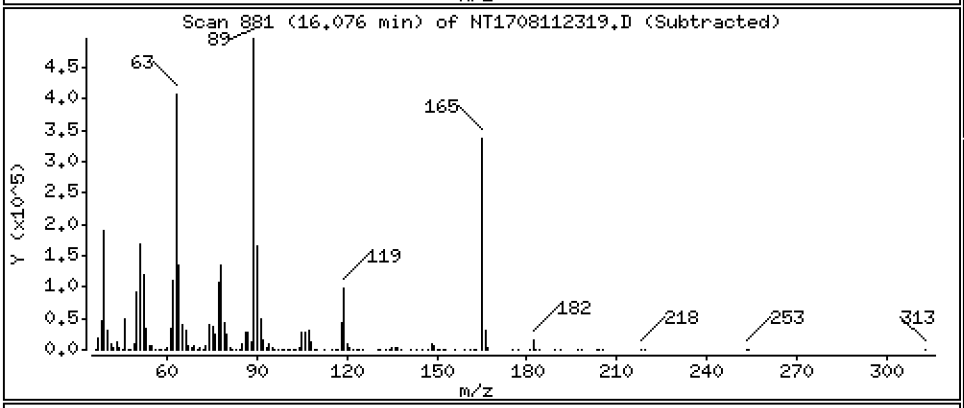
Column phase: ZB-5msi

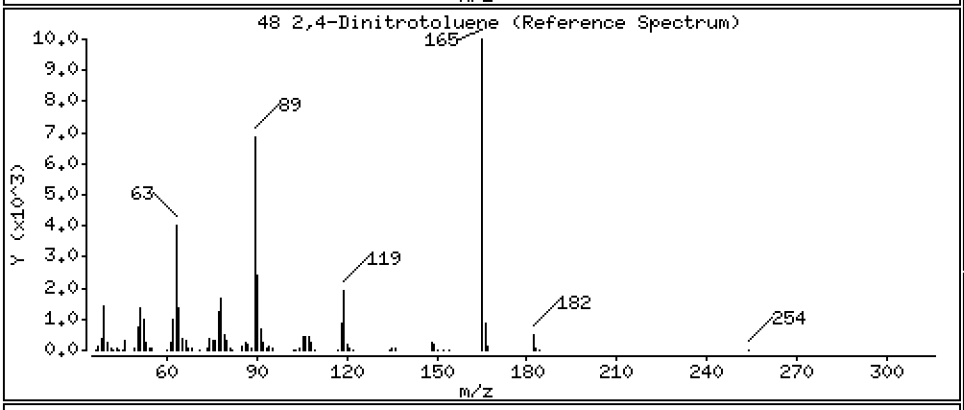
Column diameter: 0.25

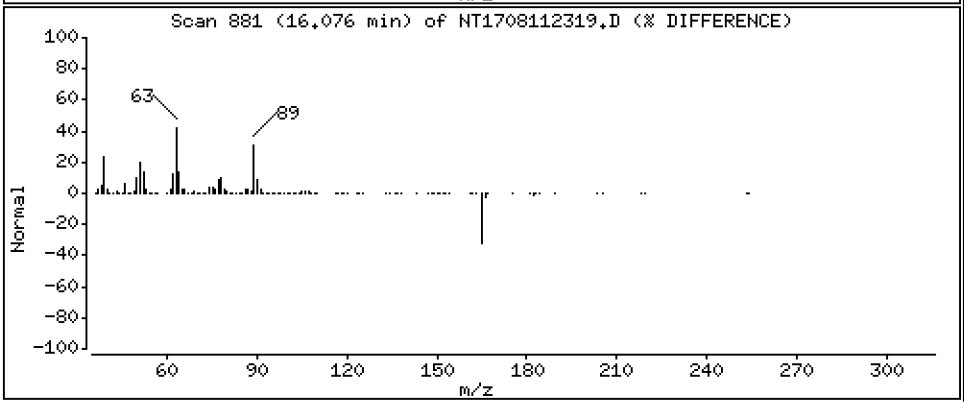
48 2,4-Dinitrotoluene

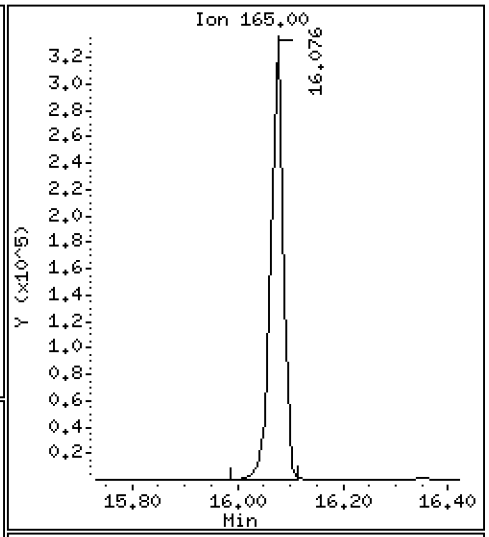
Concentration: 9.267 ug/mL

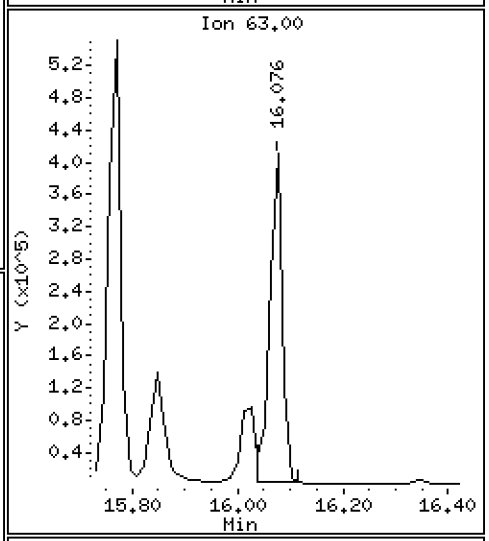


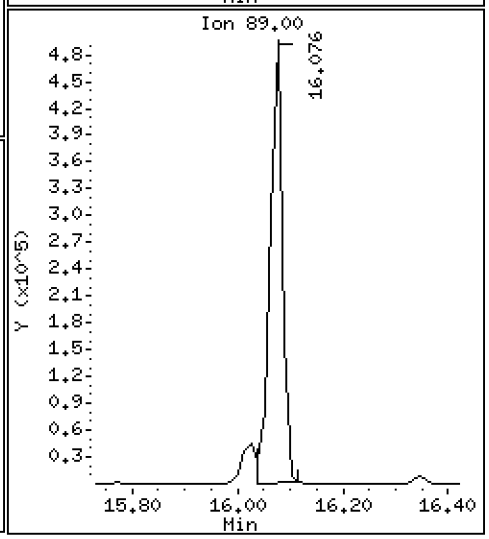












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

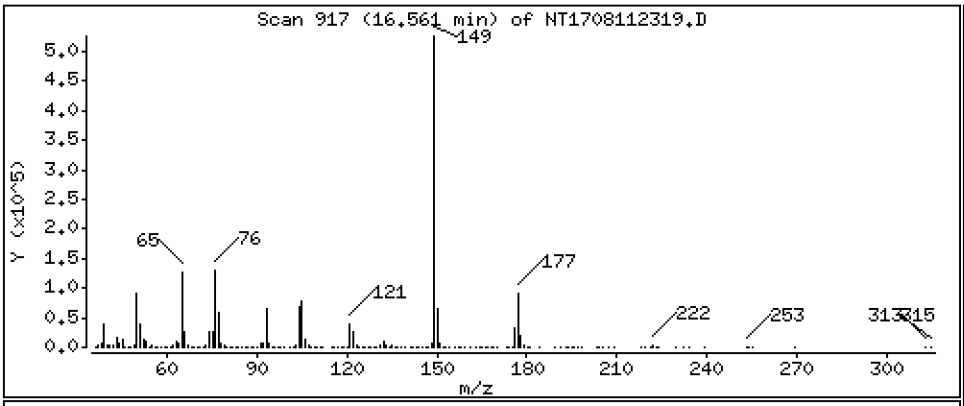
Operator: JGR

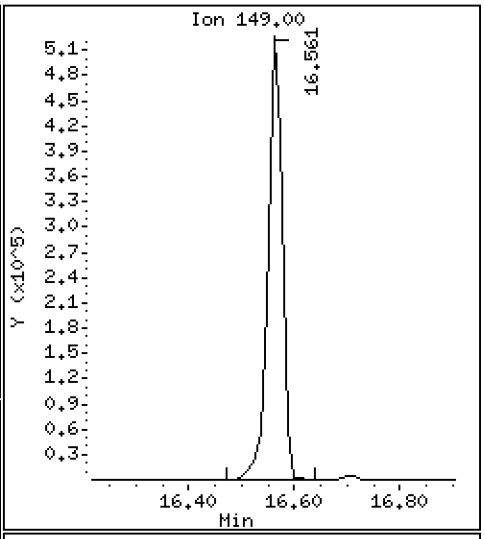
Column phase: ZB-5msi

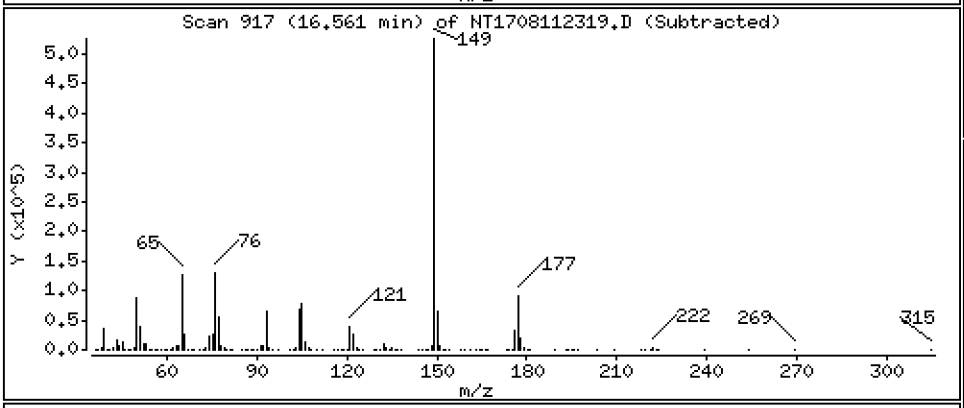
Column diameter: 0.25

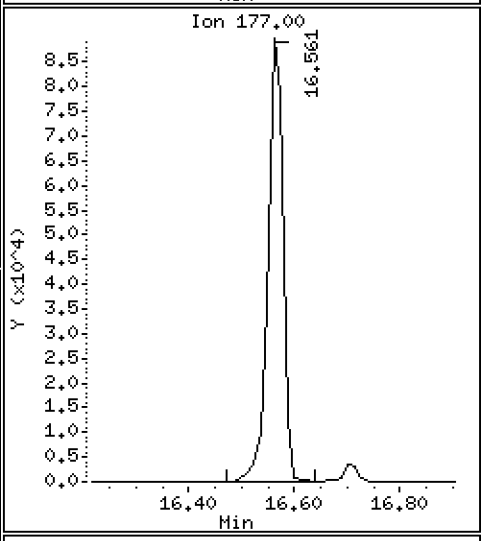
50 Diethylphthalate

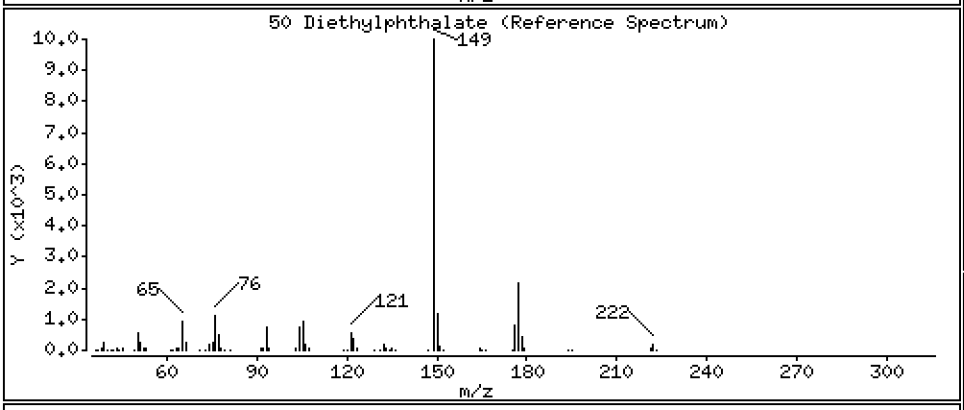
Concentration: 5.259 ug/mL

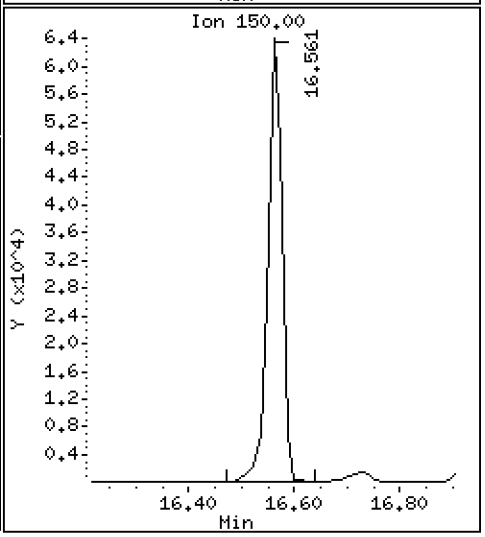


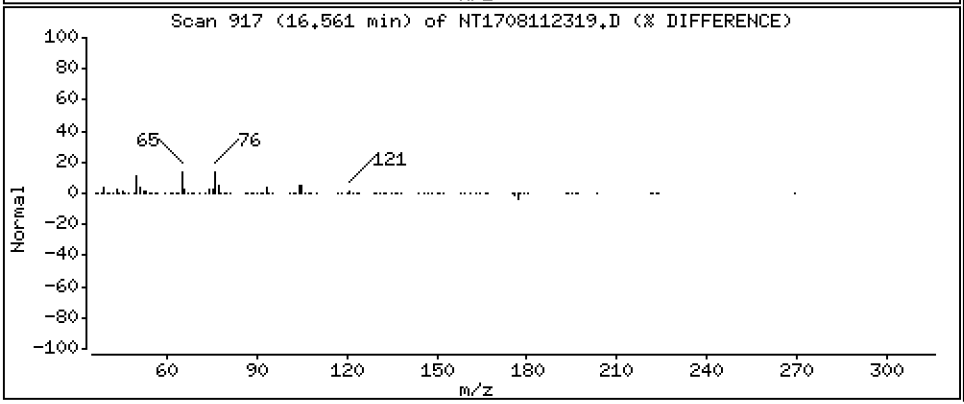












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

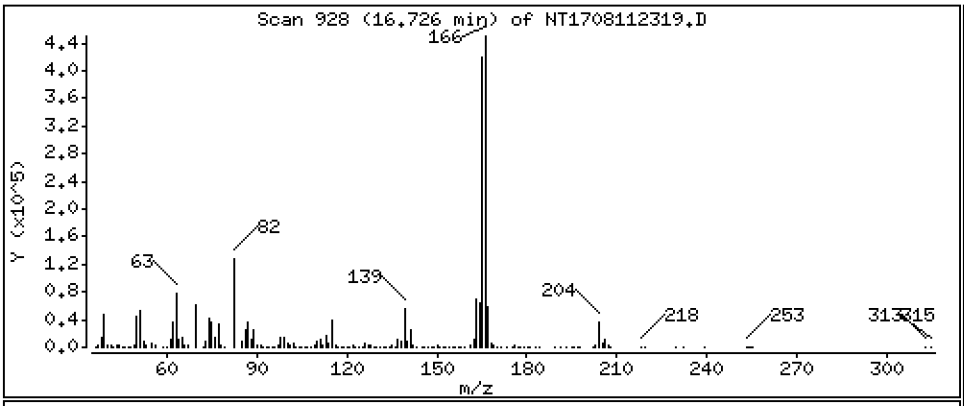
Operator: JGR

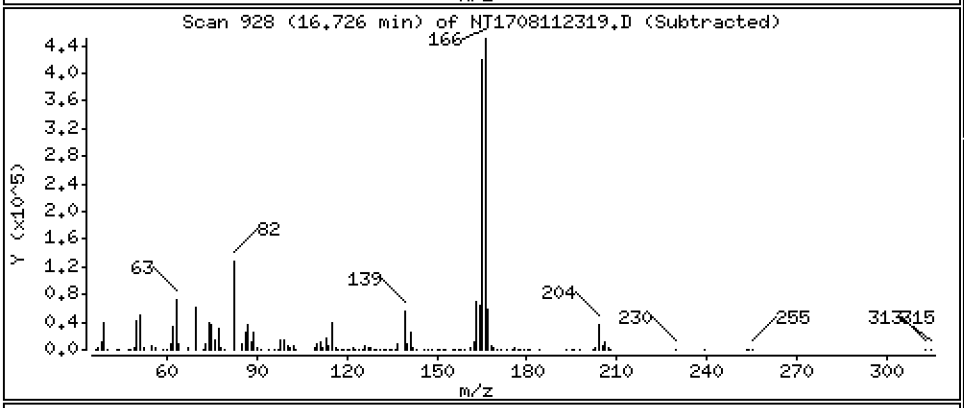
Column phase: ZB-5msi

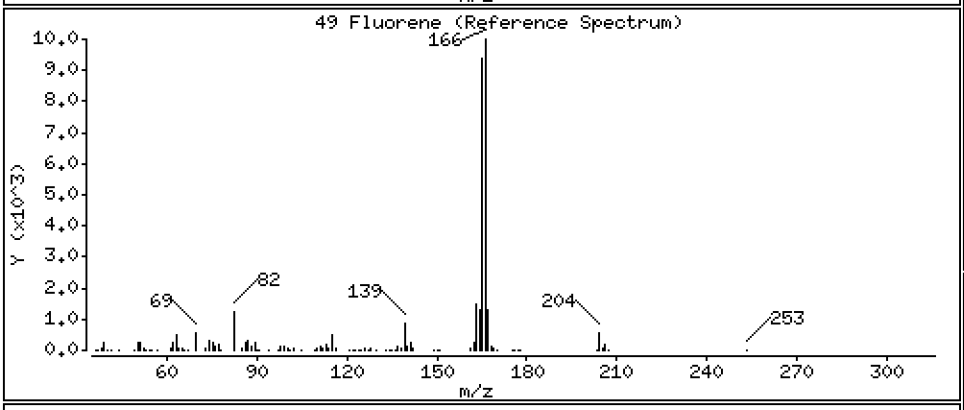
Column diameter: 0.25

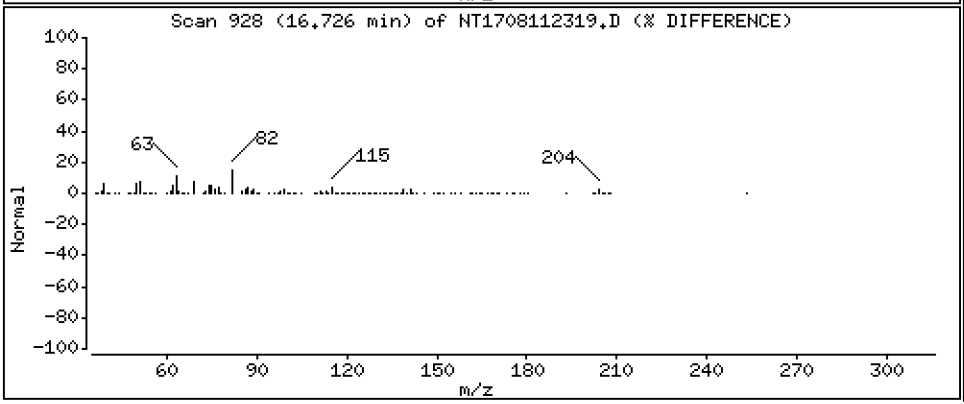
49 Fluorene

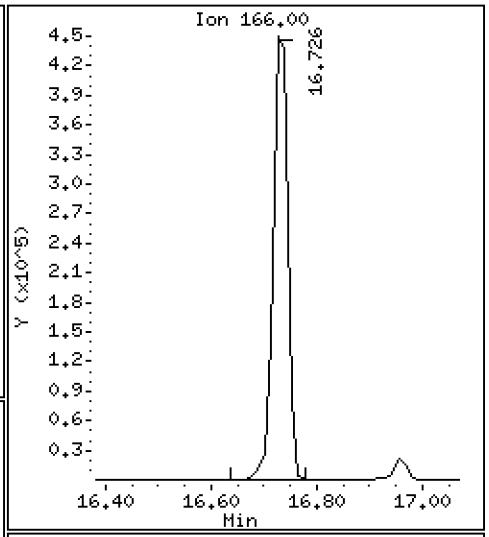
Concentration: 5.023 ug/mL

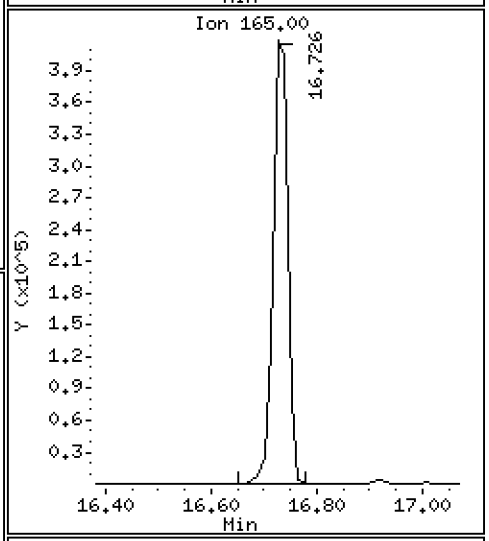


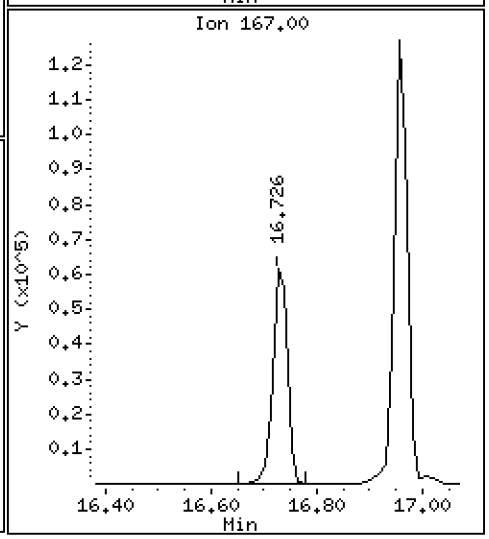












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

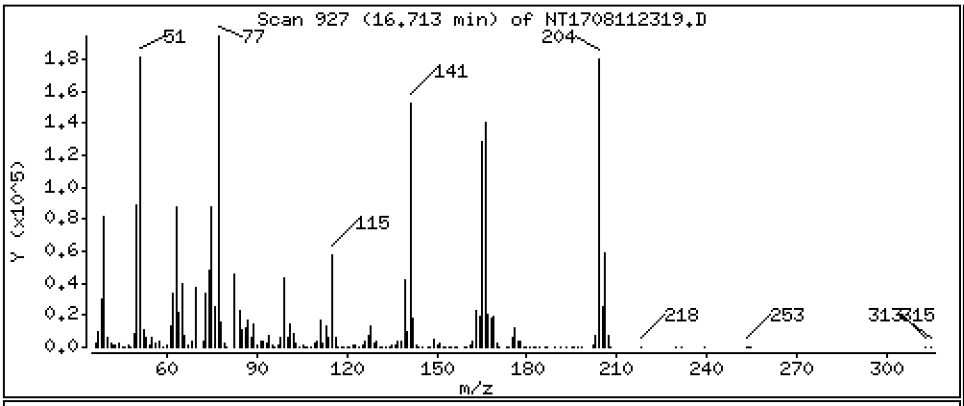
Operator: JGR

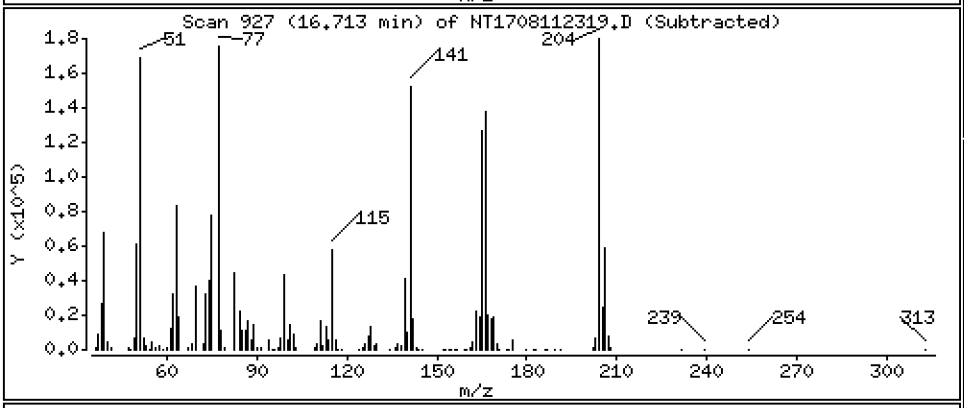
Column phase: ZB-5msi

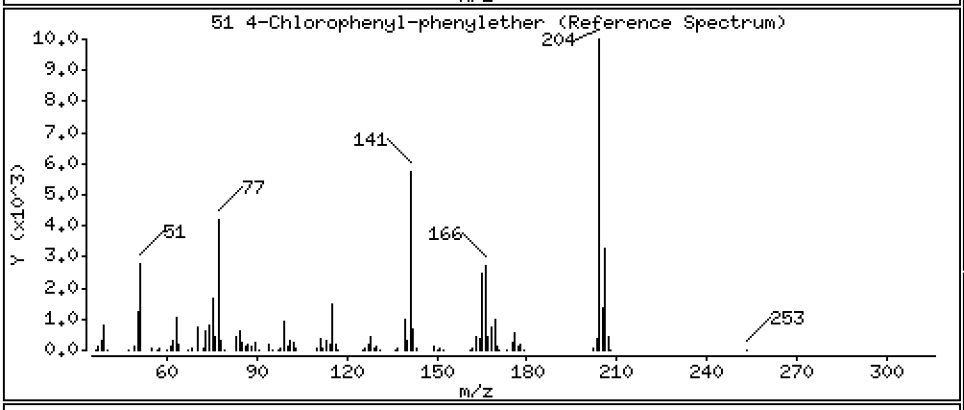
Column diameter: 0.25

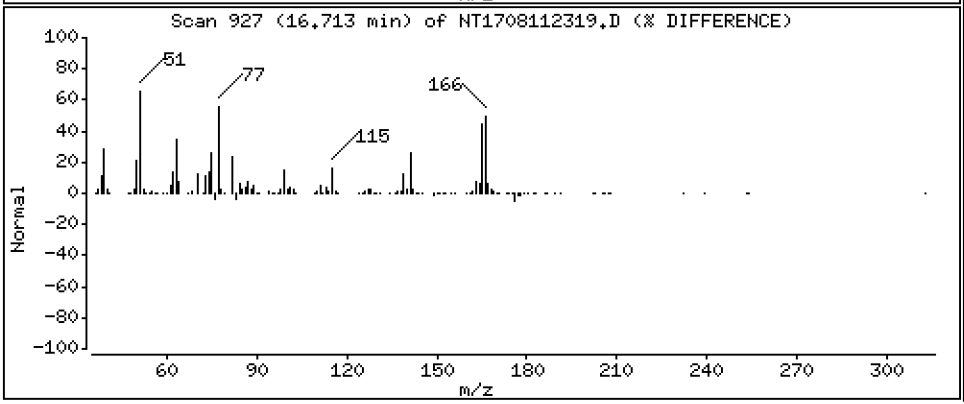
51 4-Chlorophenyl-phenylether

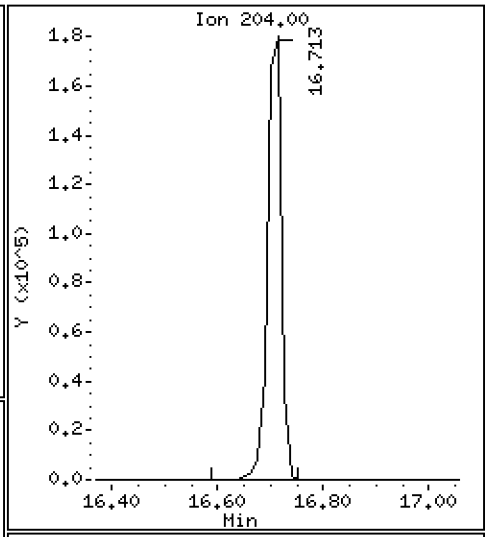
Concentration: 5.013 ug/mL

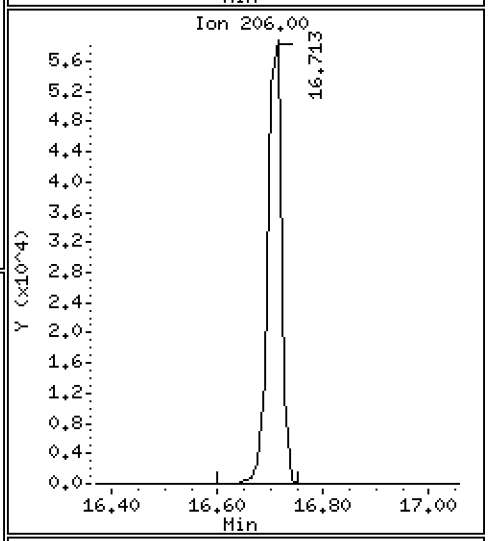


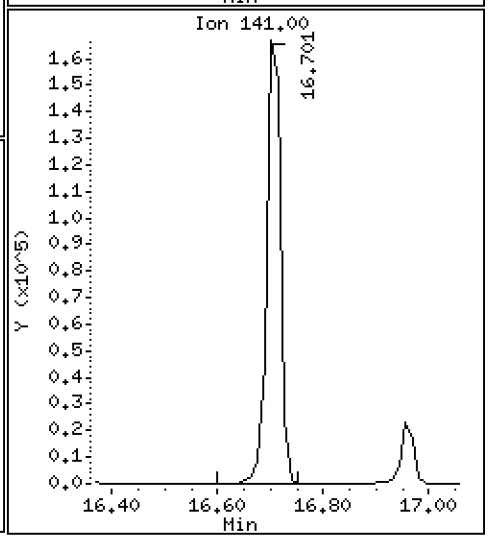












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

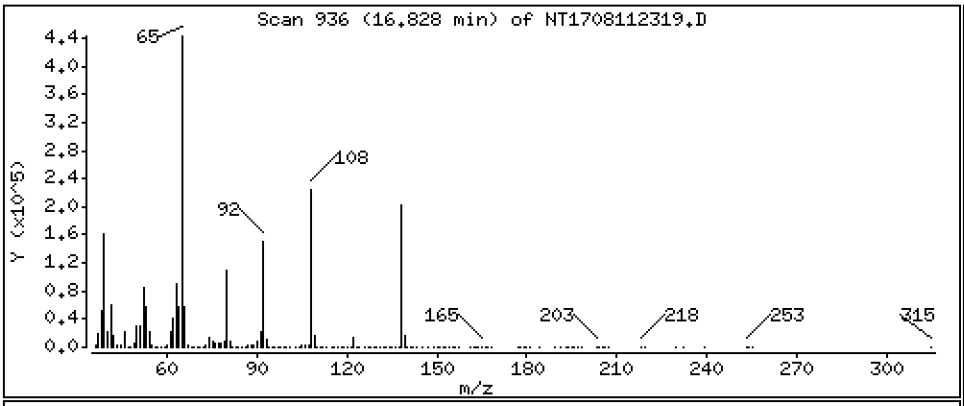
Operator: JGR

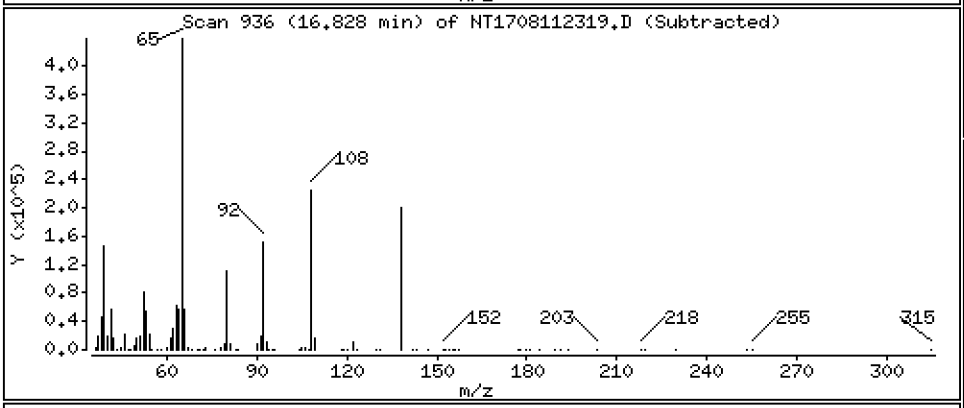
Column phase: ZB-5msi

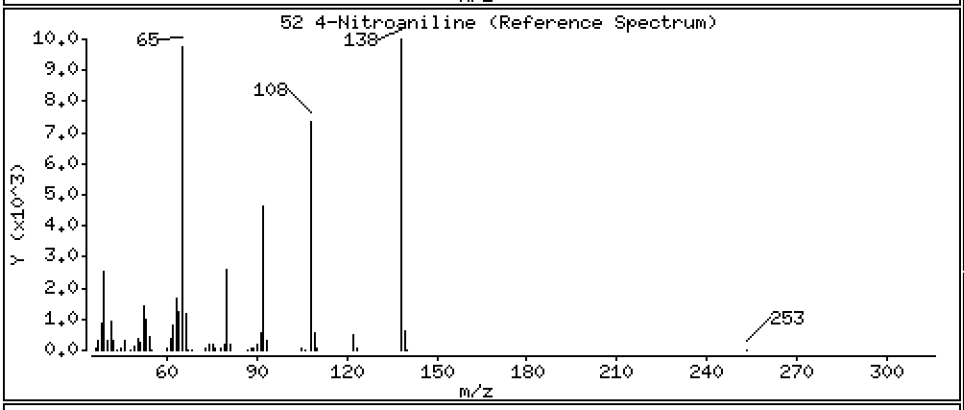
Column diameter: 0.25

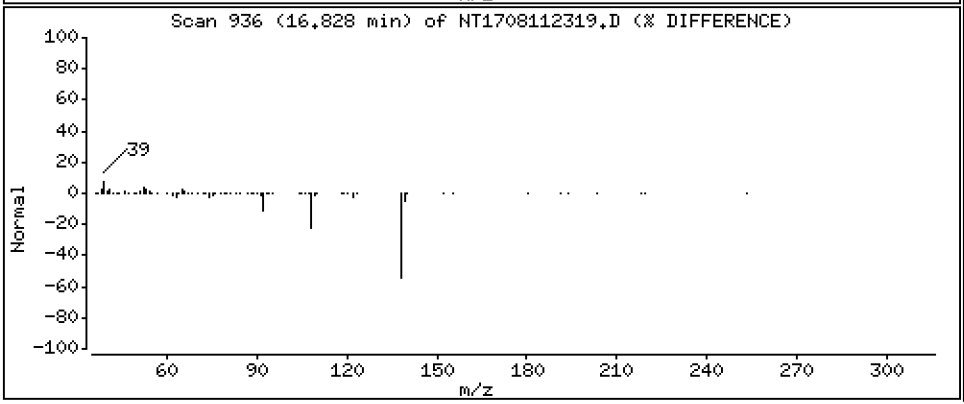
52 4-Nitroaniline

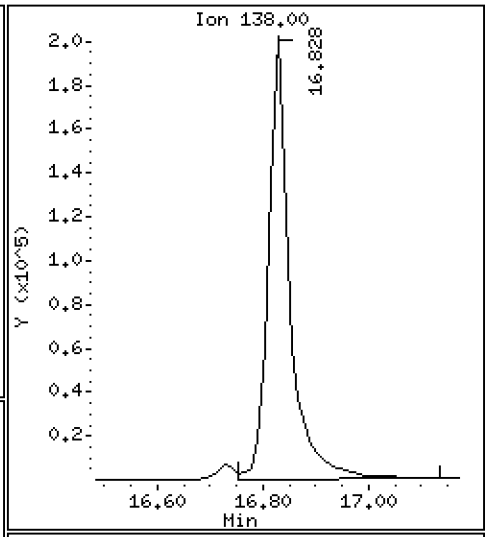
Concentration: 11.61 ug/mL

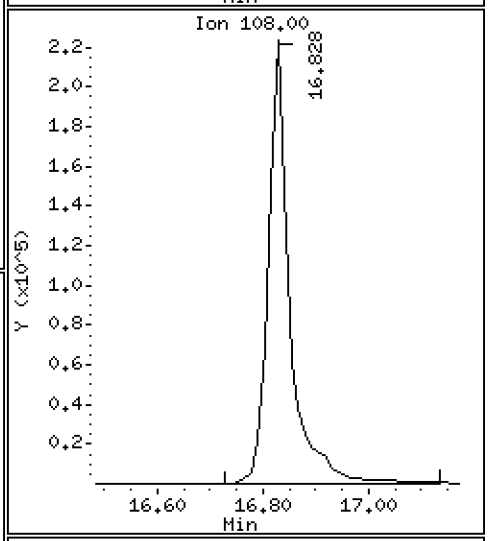


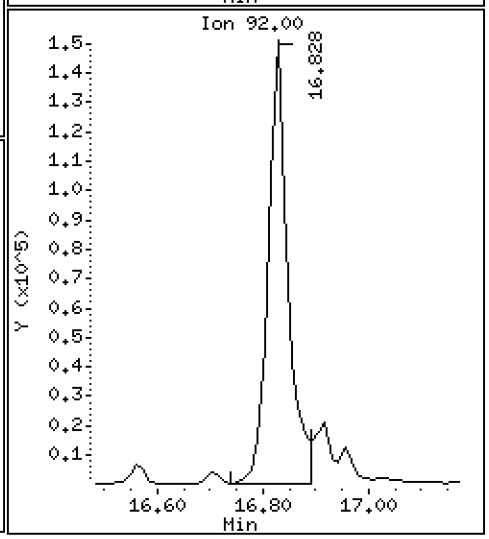












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

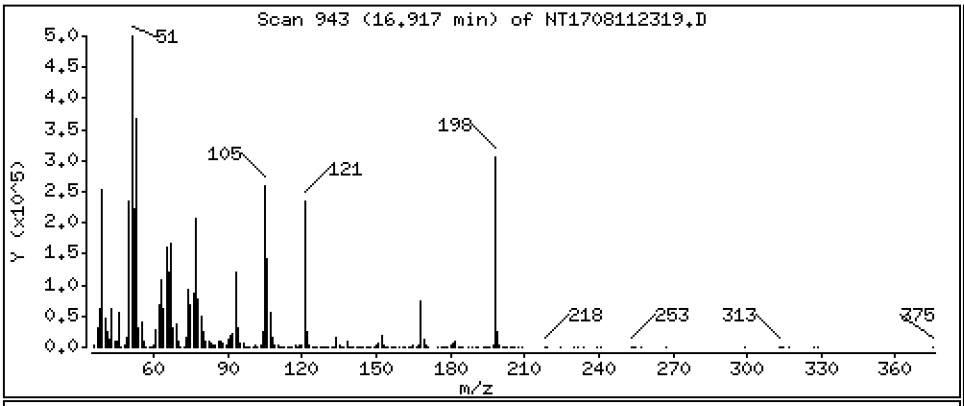
Operator: JGR

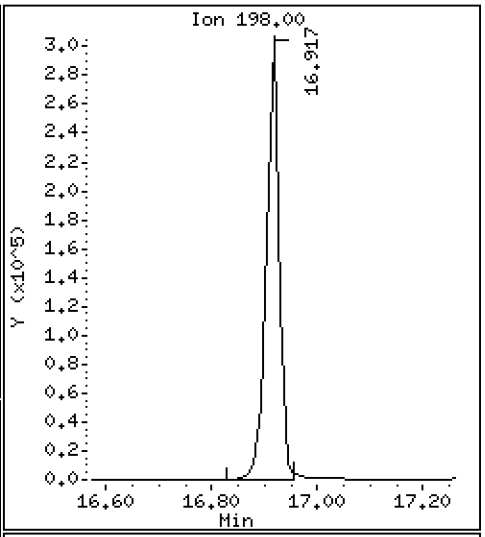
Column phase: ZB-5msi

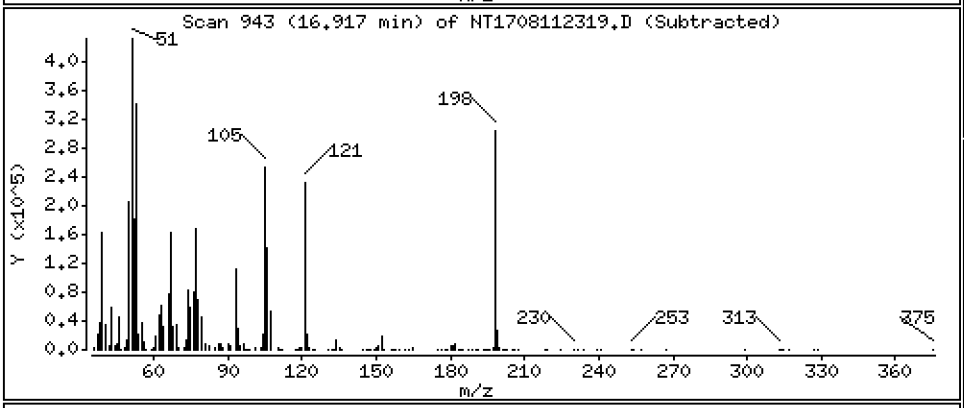
Column diameter: 0.25

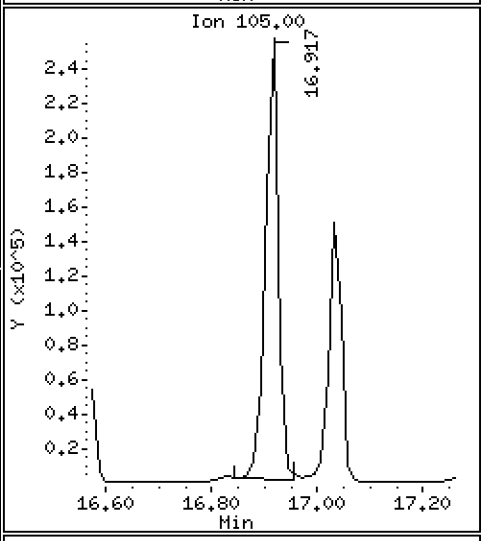
53 4,6-Dinitro-2-methylphenol

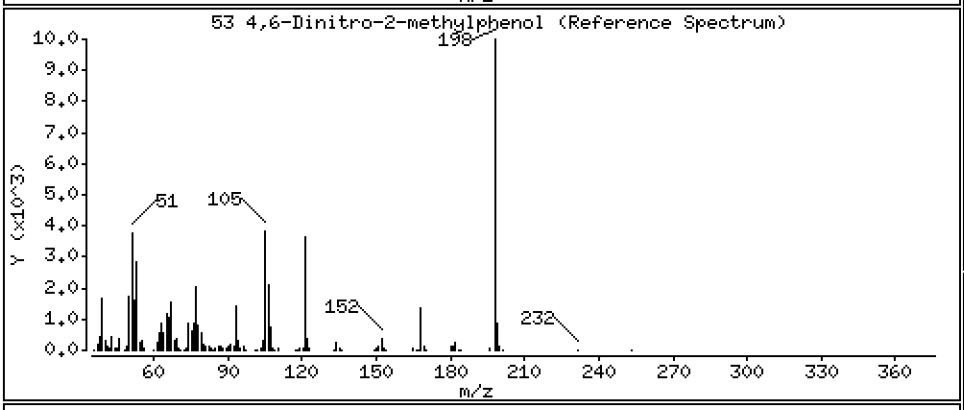
Concentration: 17.23 ug/mL

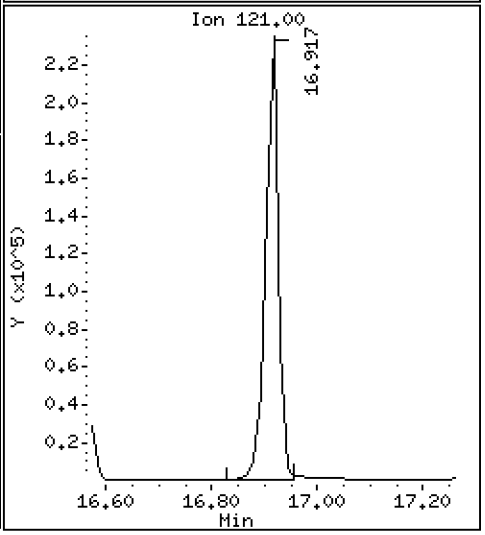


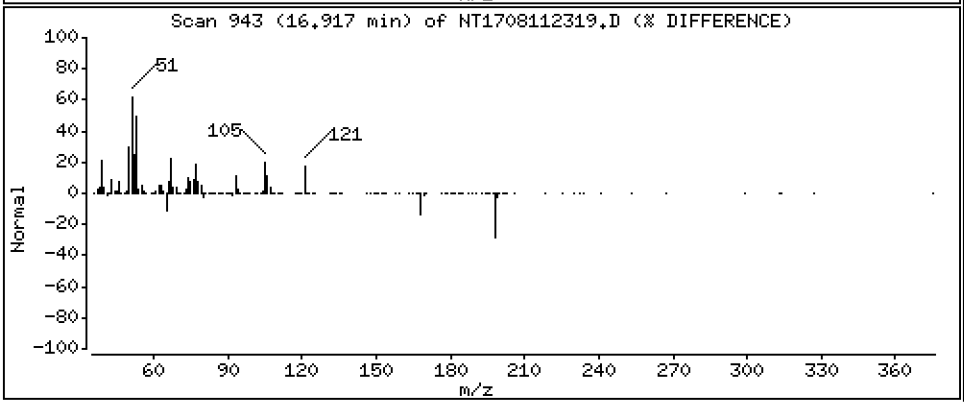












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

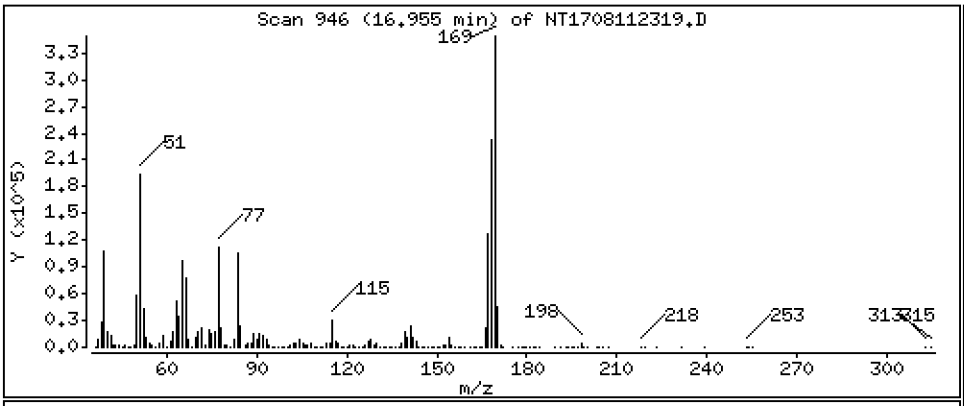
Operator: JGR

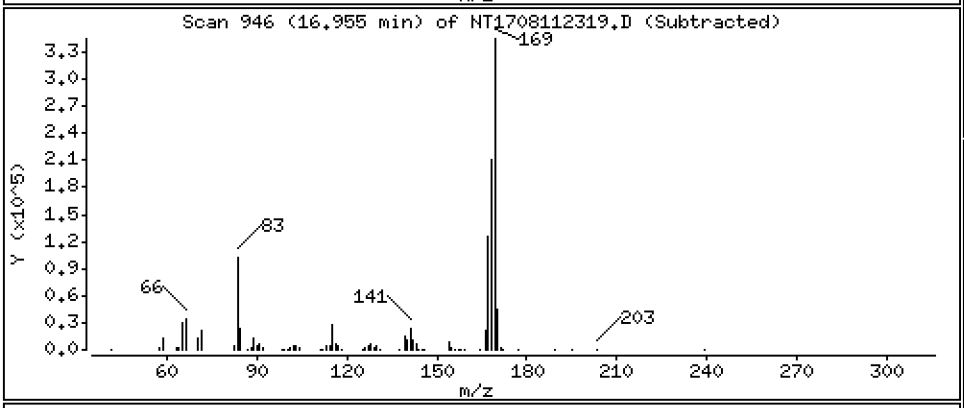
Column phase: ZB-5msi

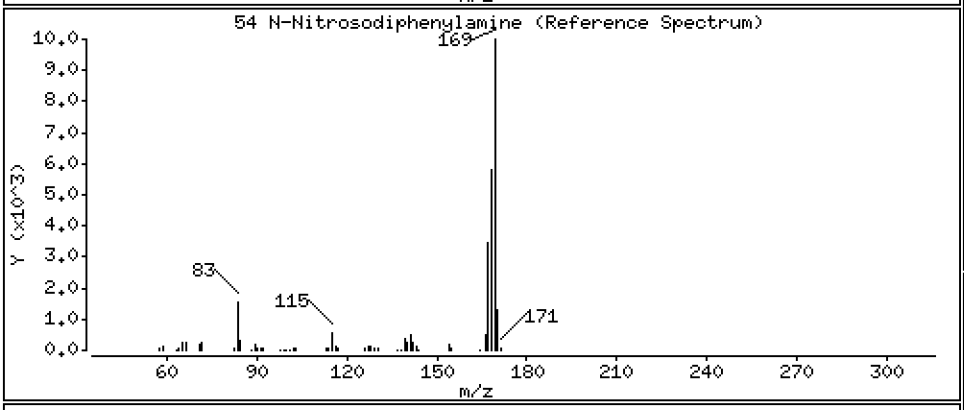
Column diameter: 0.25

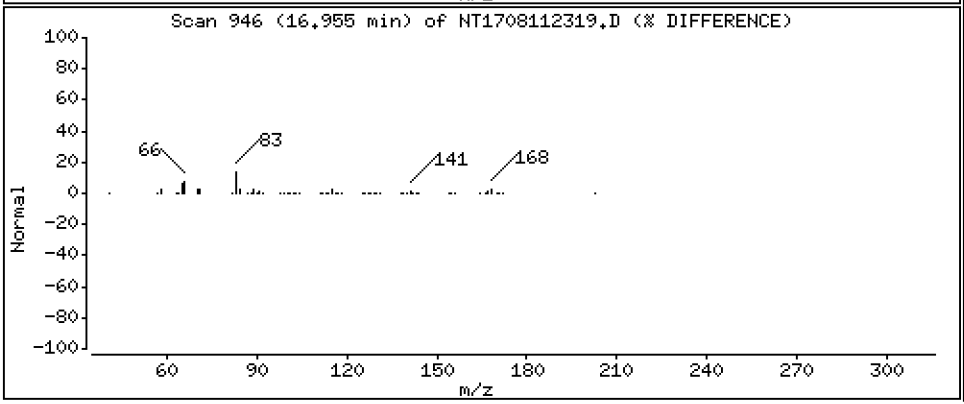
54 N-Nitrosodiphenylamine

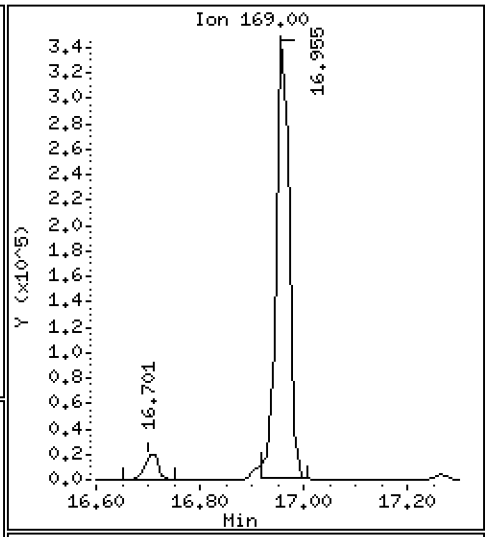
Concentration: 4.971 ug/mL

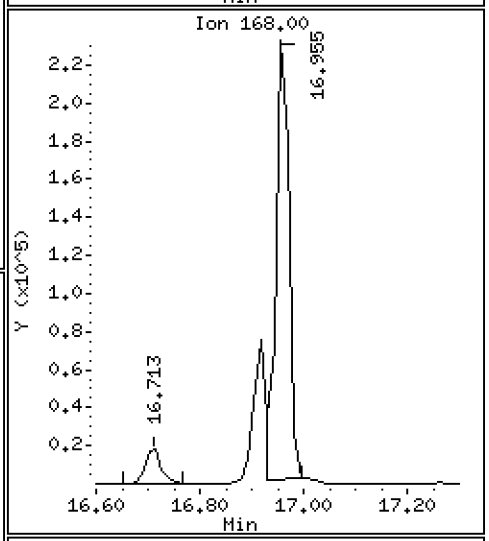


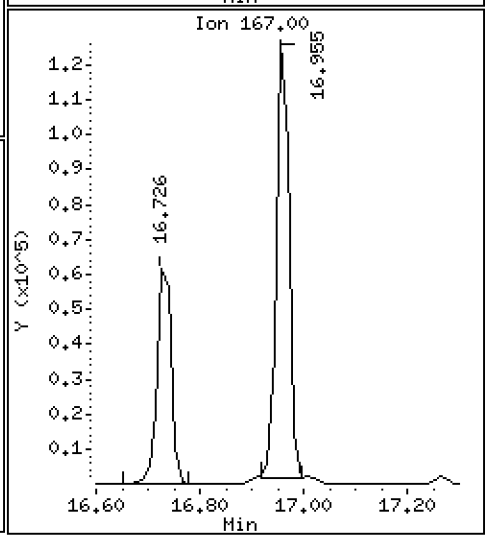












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

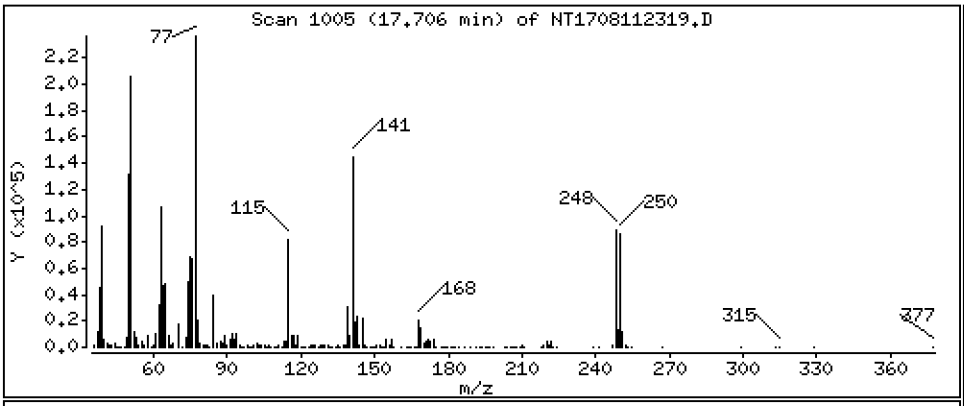
Operator: JGR

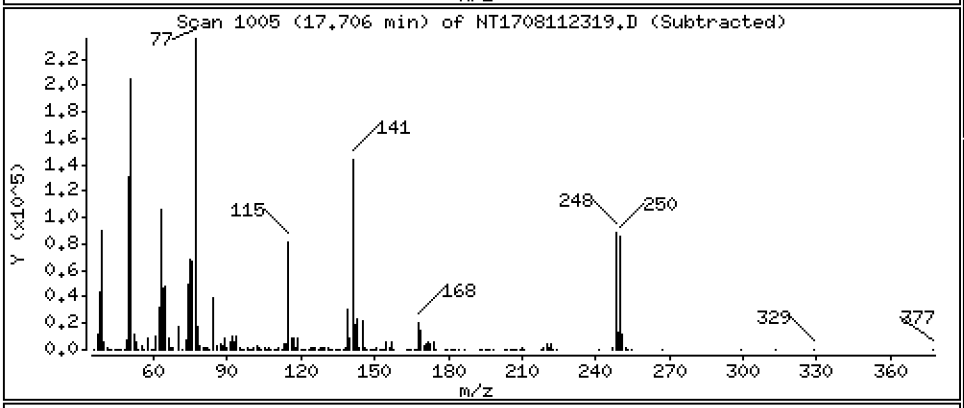
Column phase: ZB-5msi

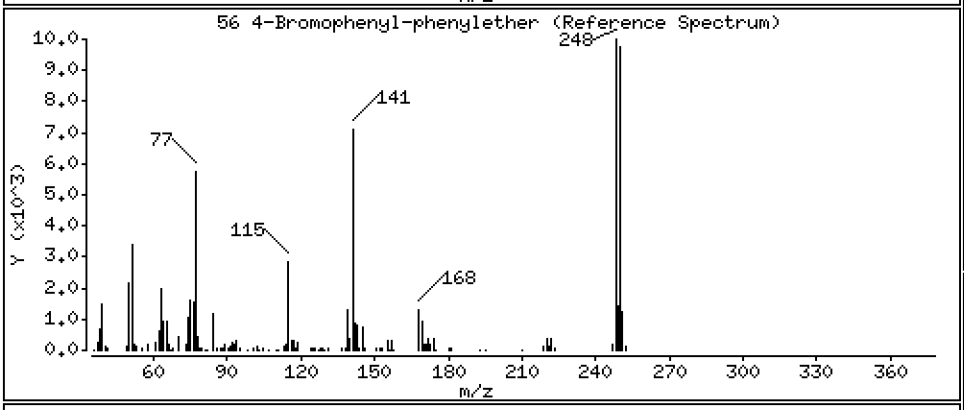
Column diameter: 0.25

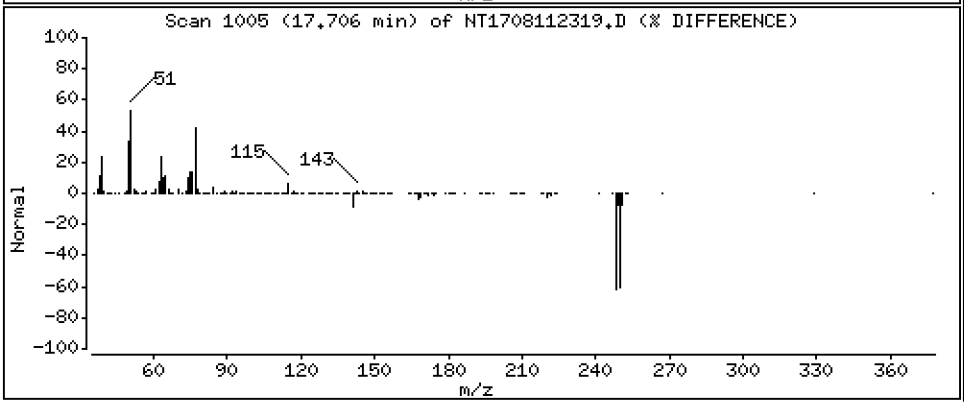
56 4-Bromophenyl-phenylether

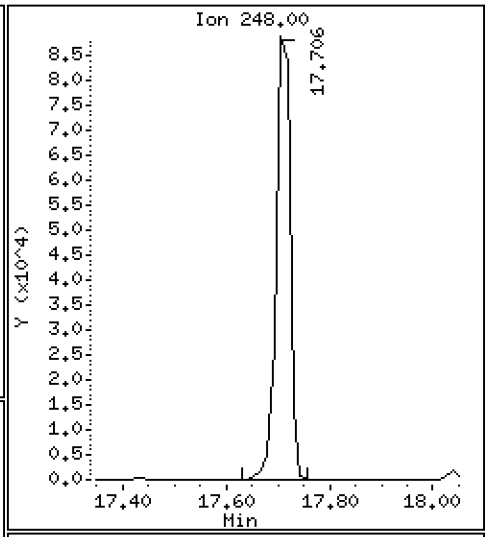
Concentration: 5.127 ug/mL

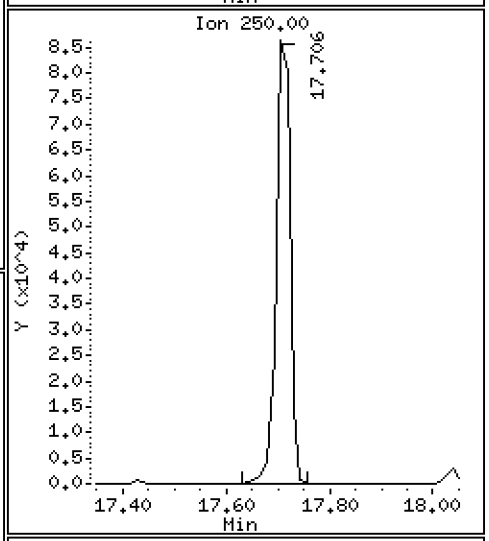


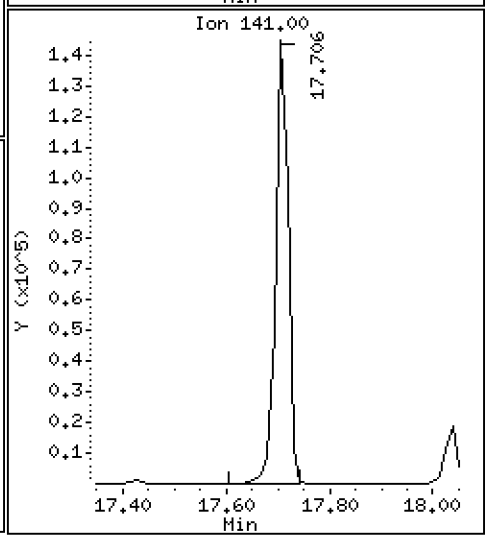












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

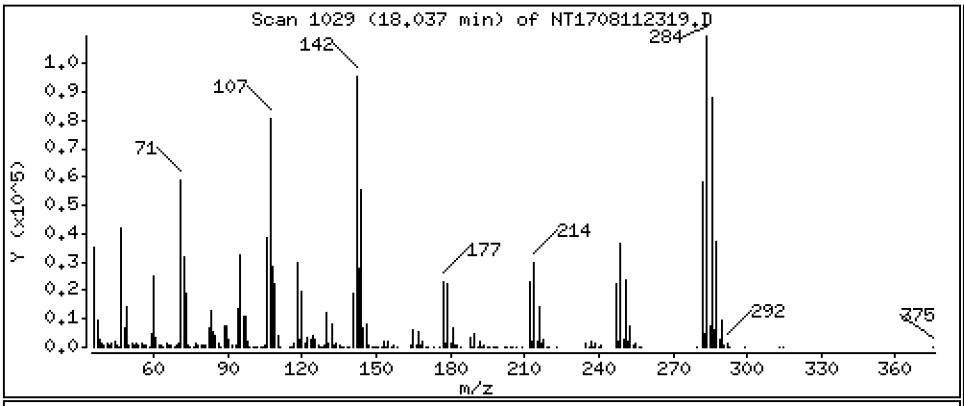
Operator: JGR

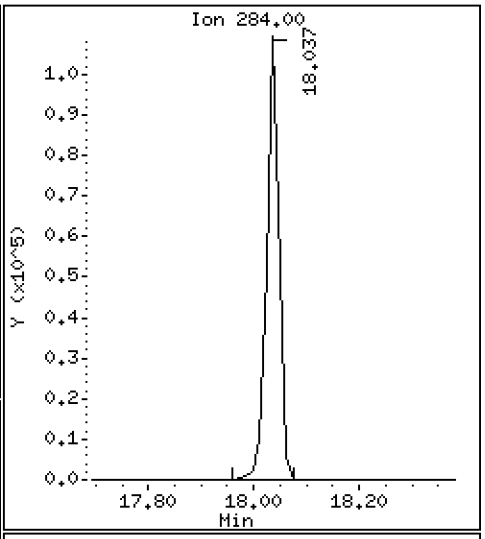
Column phase: ZB-5msi

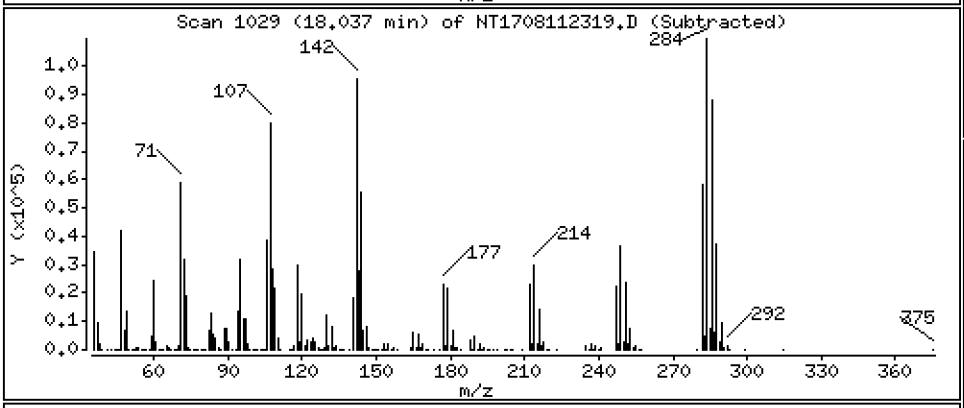
Column diameter: 0.25

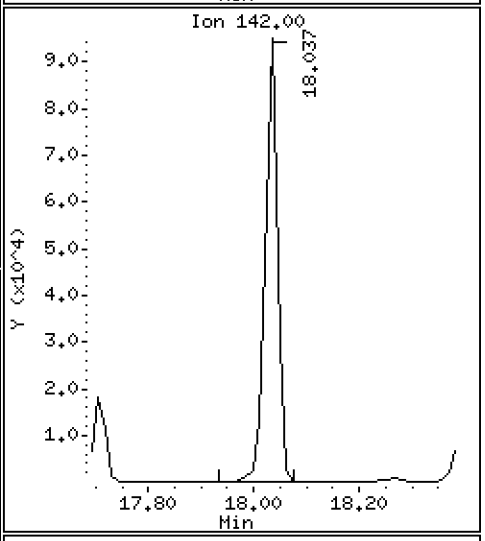
57 Hexachlorobenzene

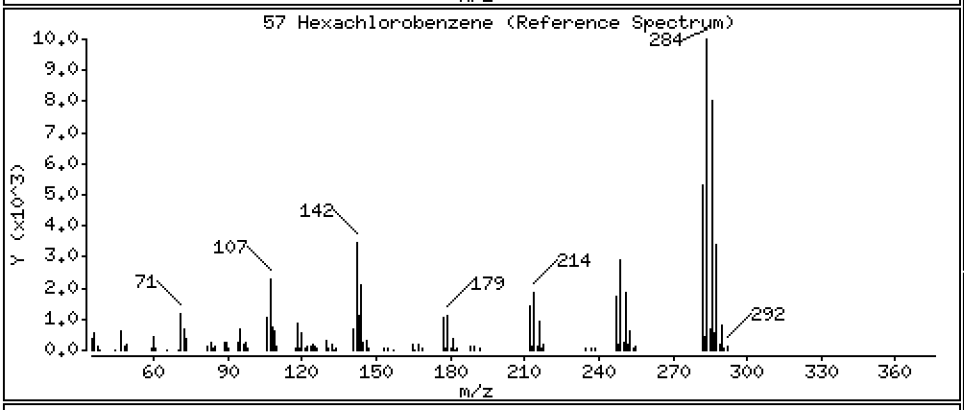
Concentration: 4.865 ug/mL

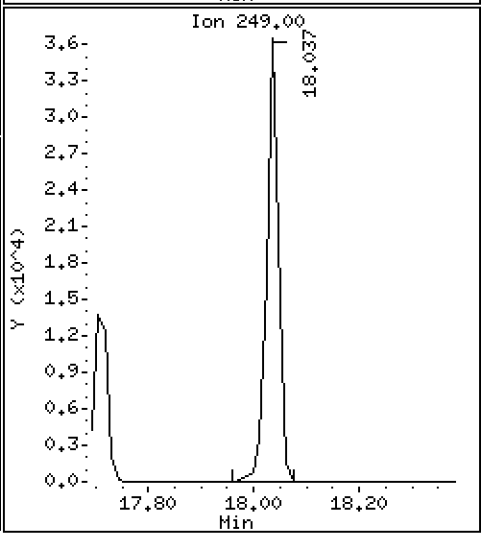


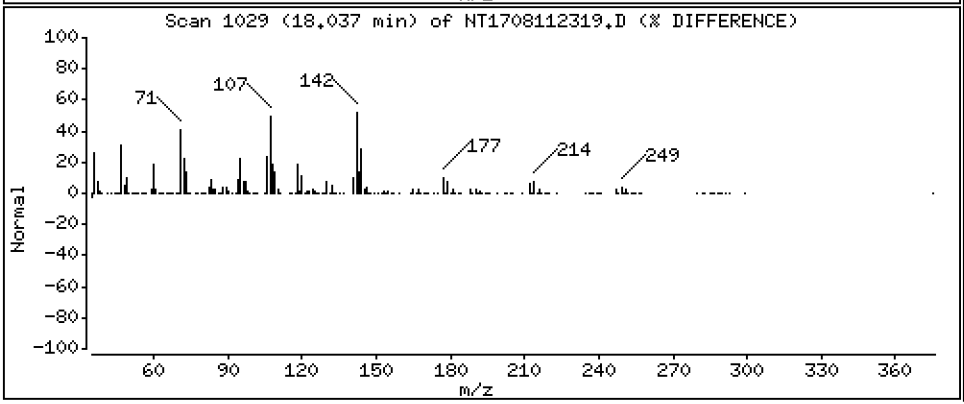












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

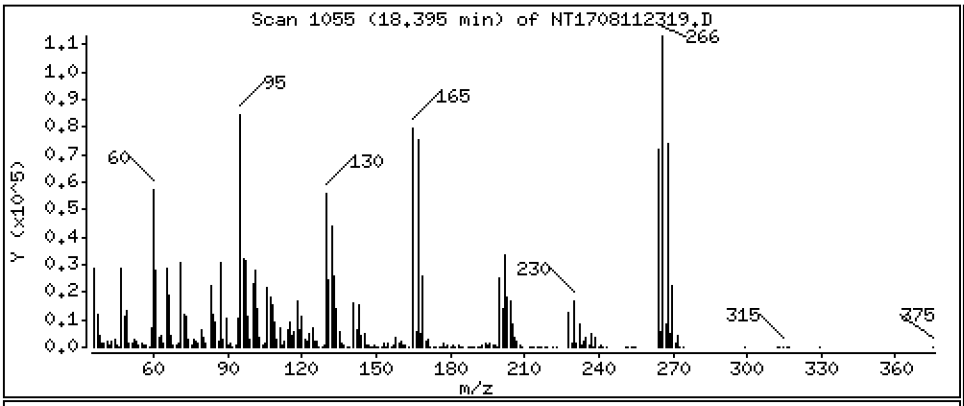
Operator: JGR

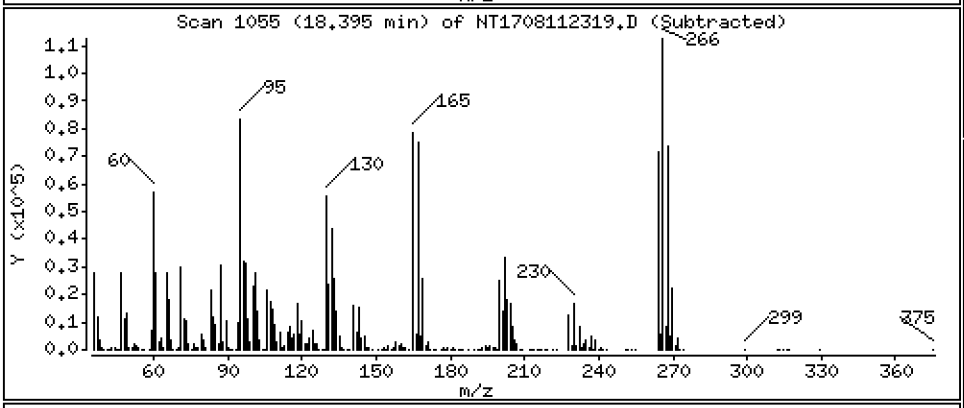
Column phase: ZB-5msi

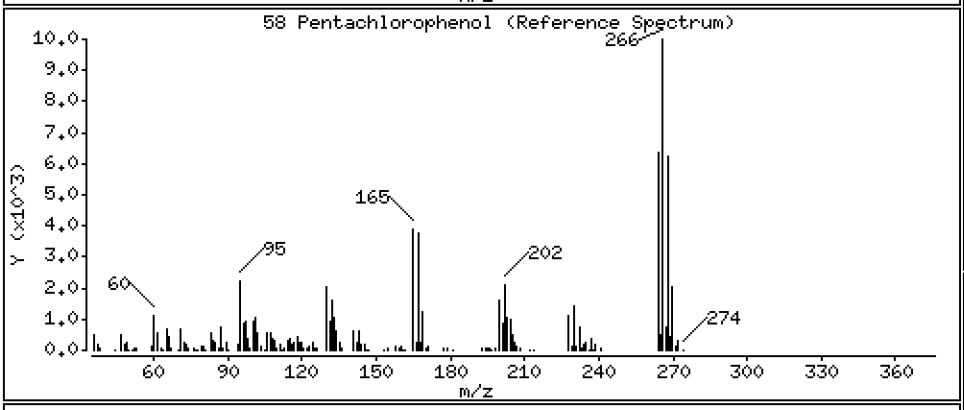
Column diameter: 0.25

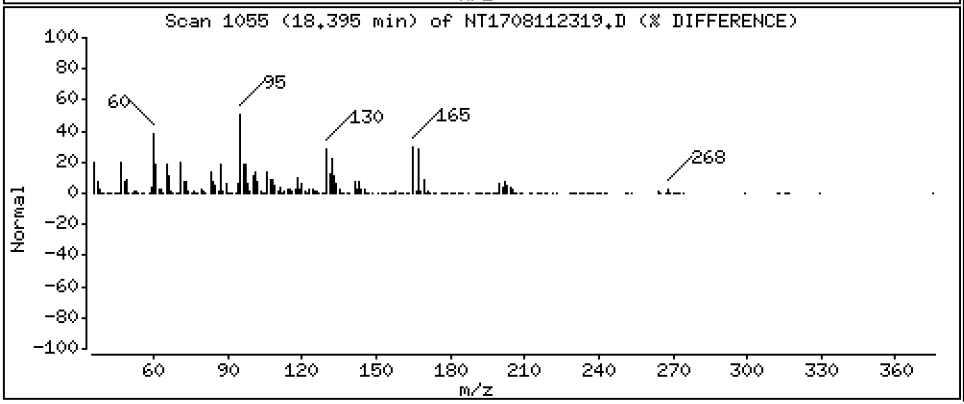
58 Pentachlorophenol

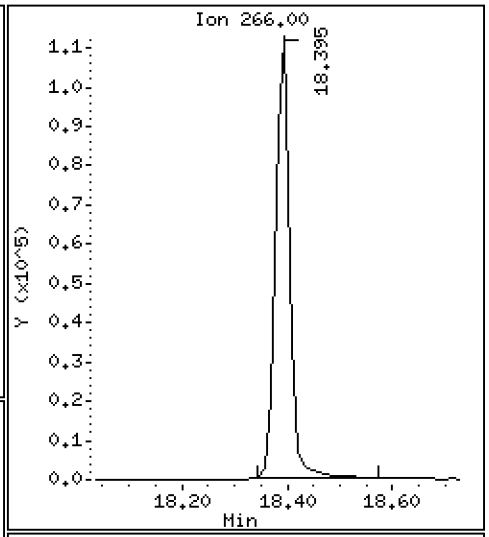
Concentration: 9.512 ug/mL

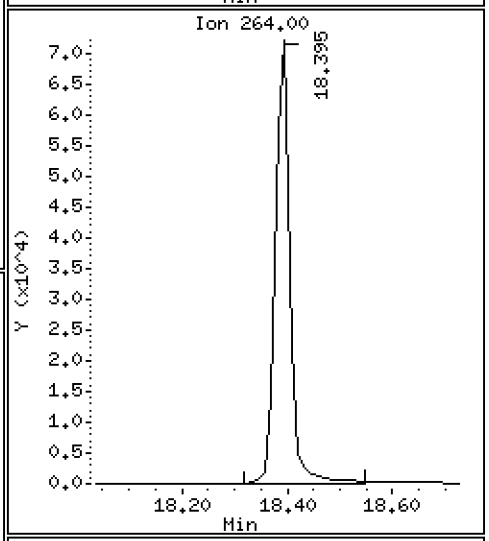


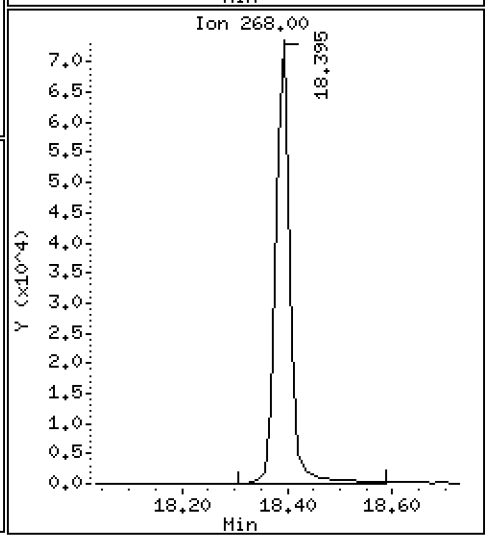












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

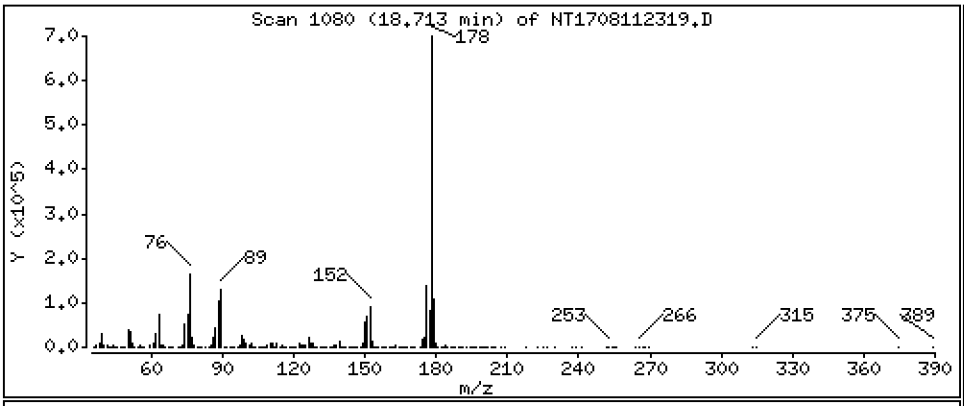
Operator: JGR

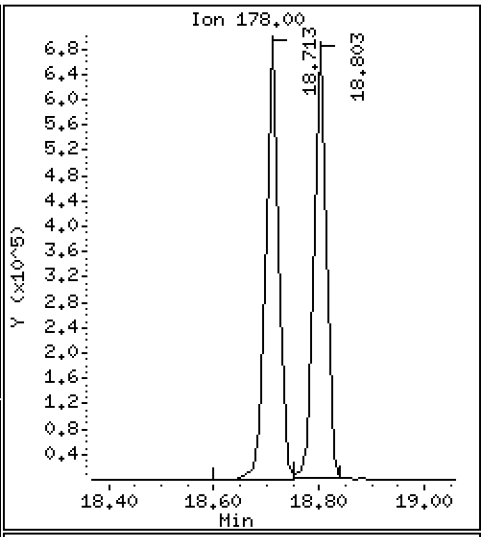
Column phase: ZB-5msi

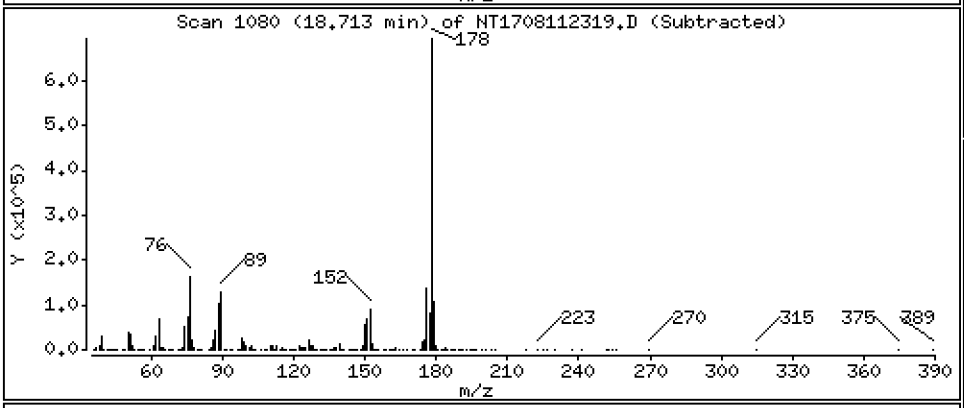
Column diameter: 0.25

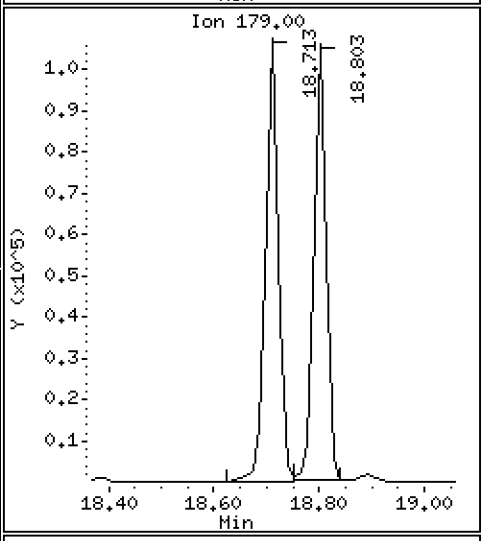
60 Phenanthrene

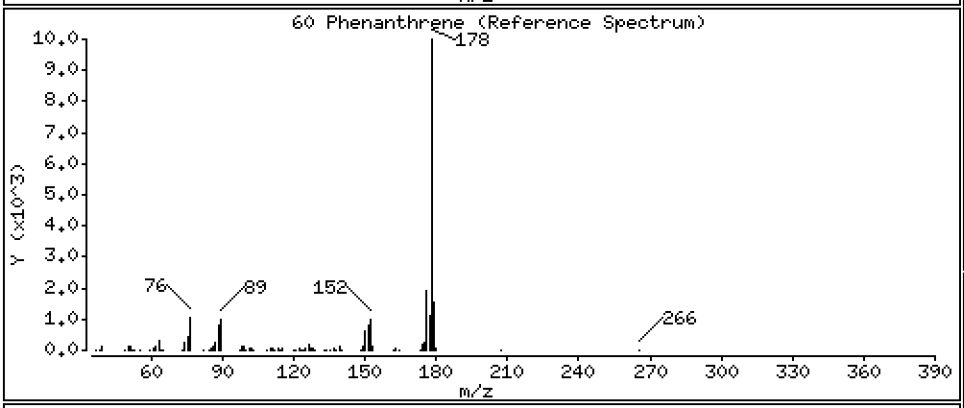
Concentration: 5.032 ug/mL

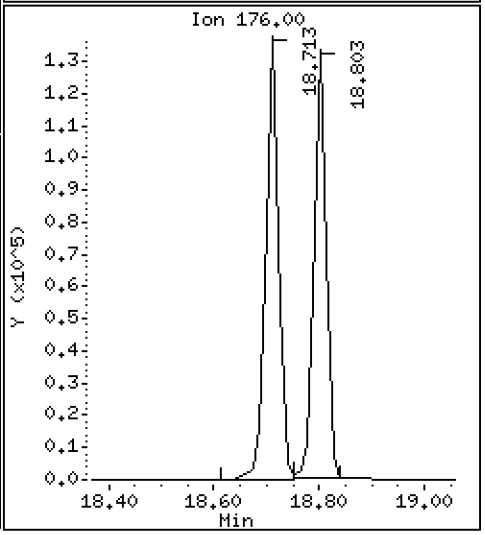


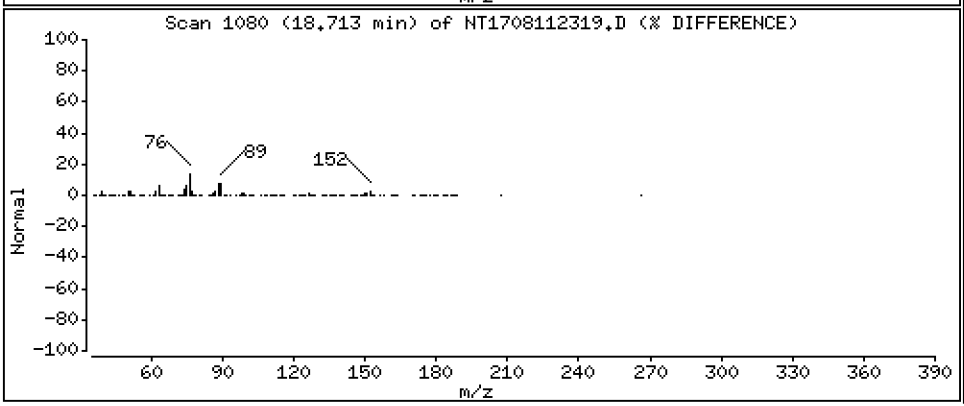












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

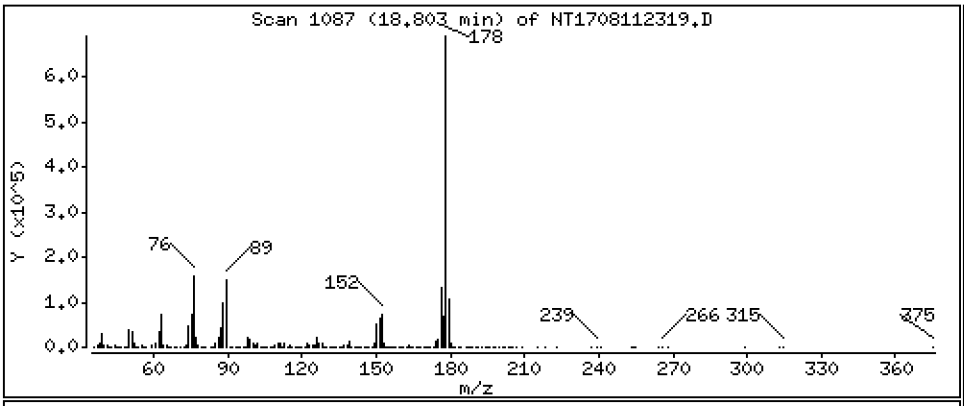
Operator: JGR

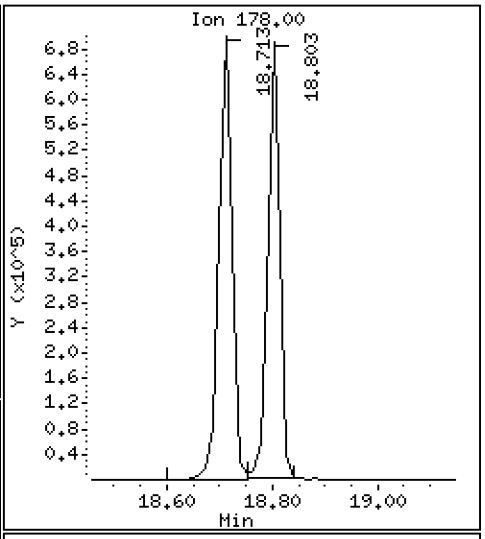
Column phase: ZB-5msi

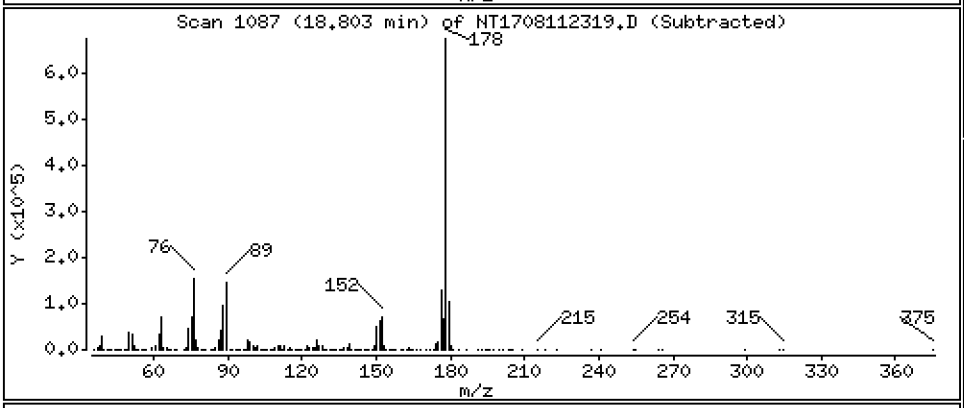
Column diameter: 0.25

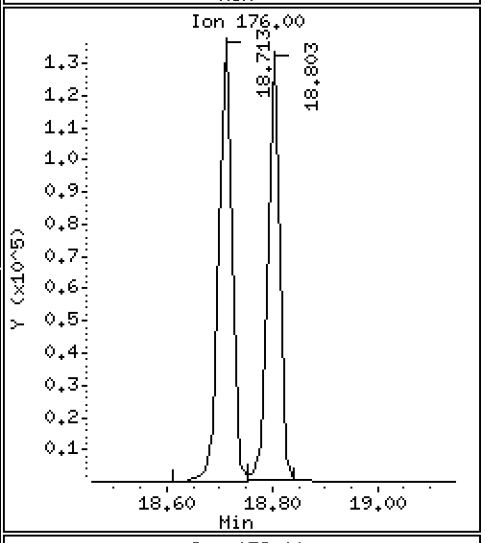
61 Anthracene

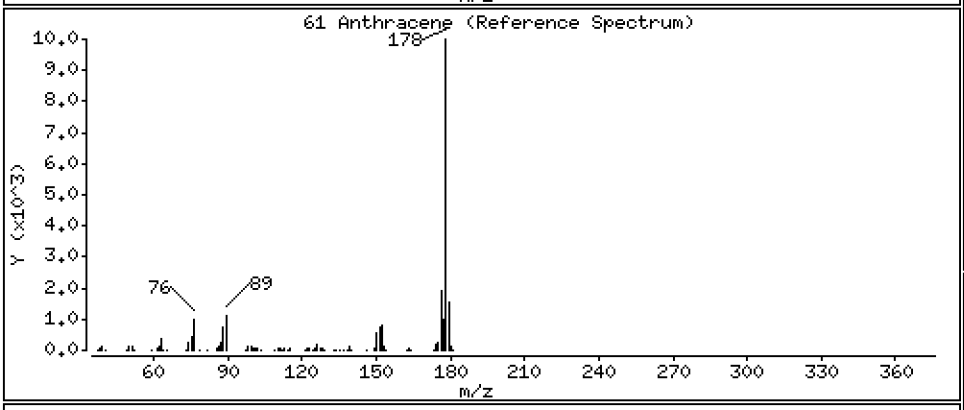
Concentration: 5.445 ug/mL

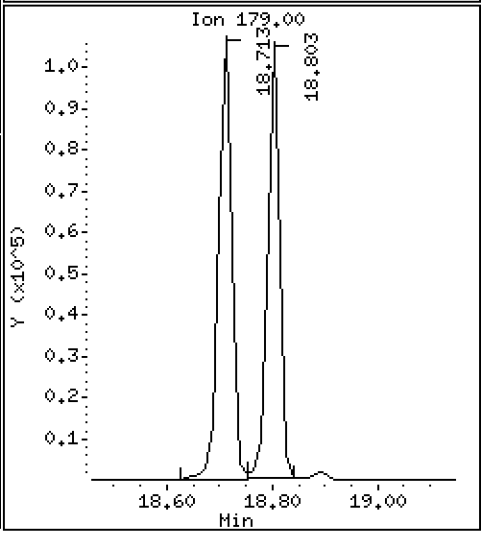


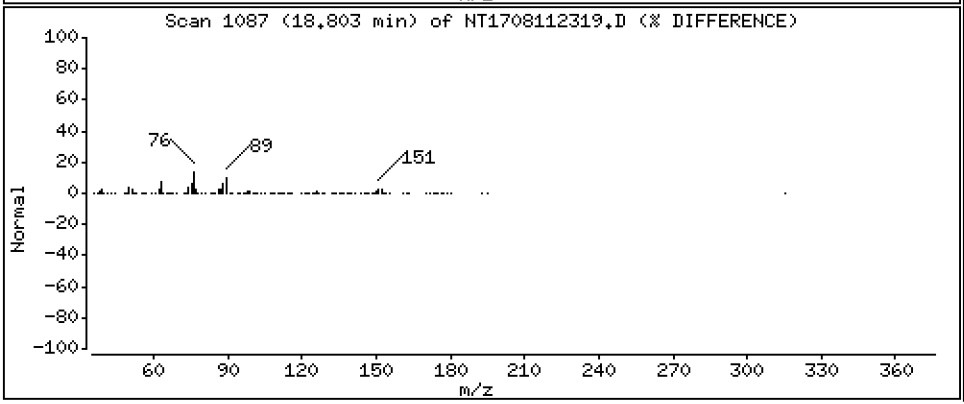












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

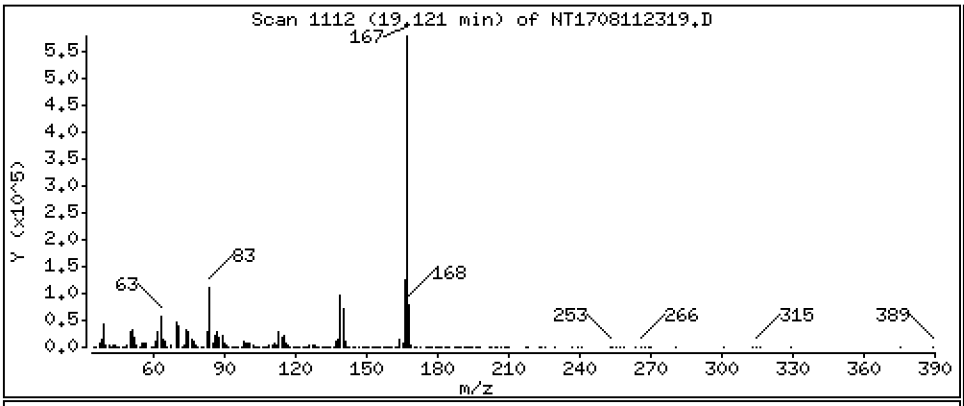
Operator: JGR

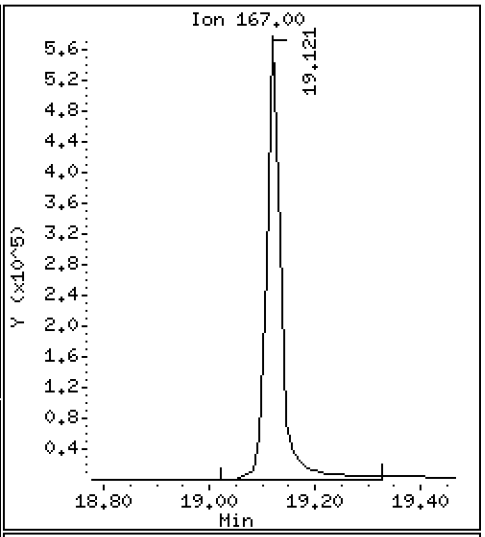
Column phase: ZB-5msi

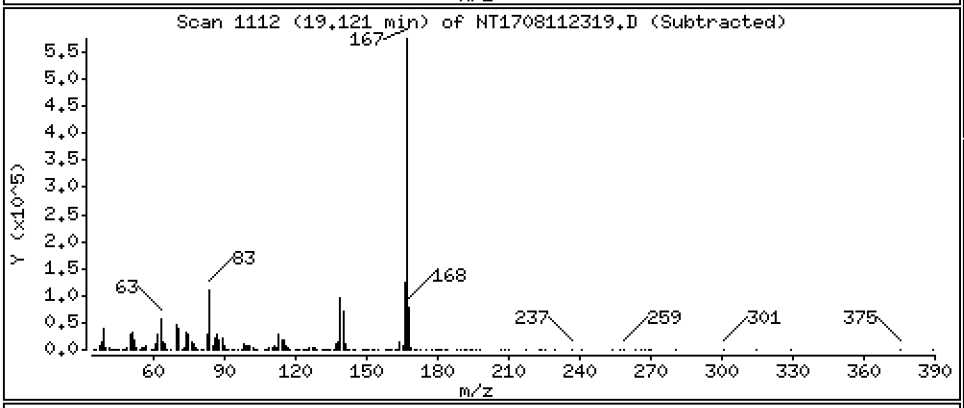
Column diameter: 0.25

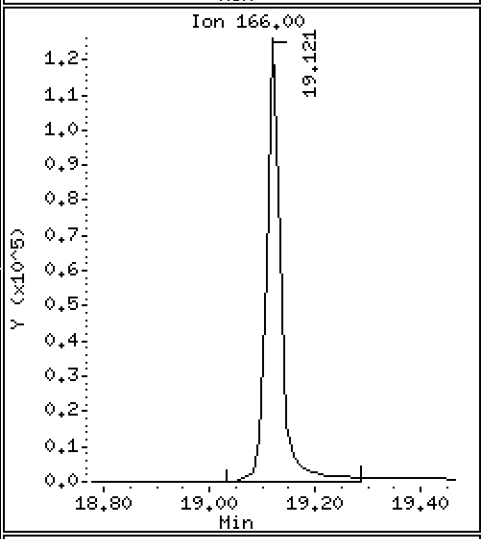
62 Carbazole

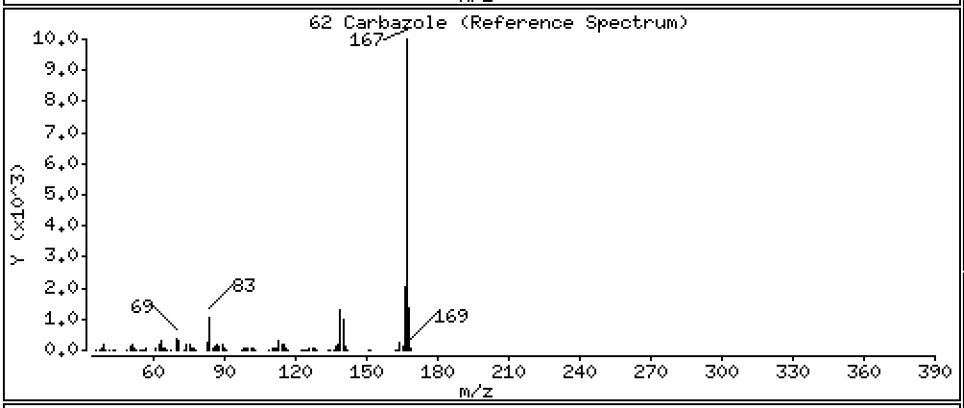
Concentration: 5.249 ug/mL

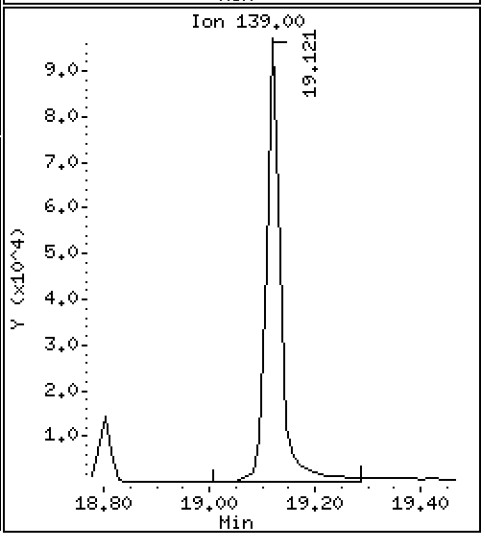


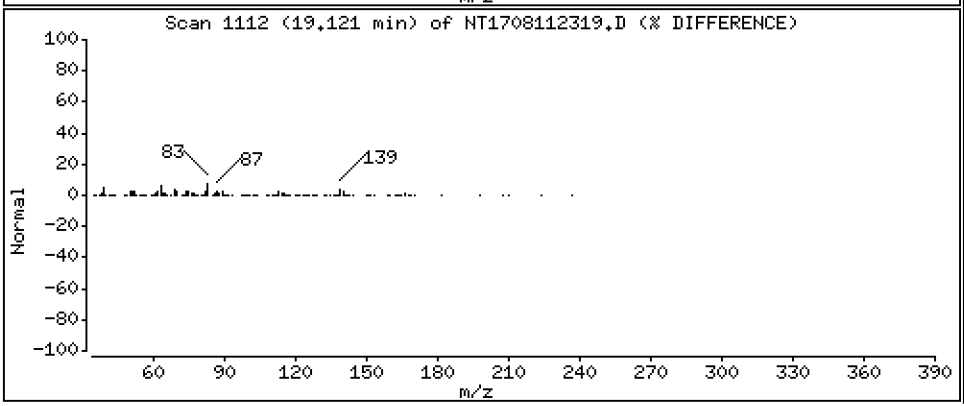












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

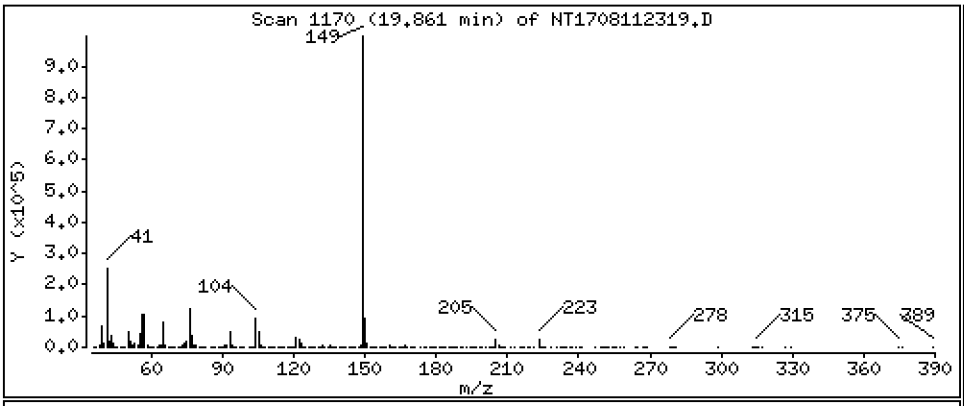
Operator: JGR

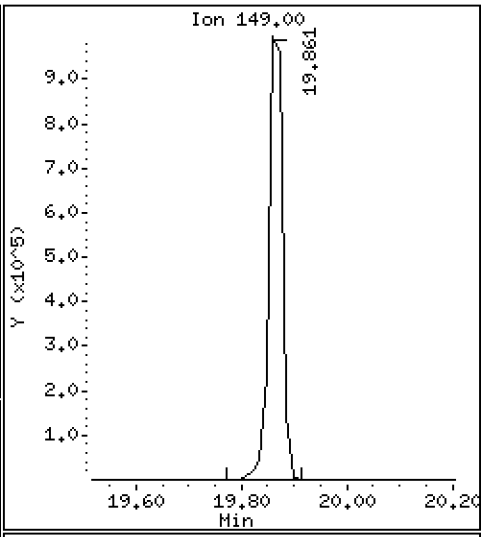
Column phase: ZB-5msi

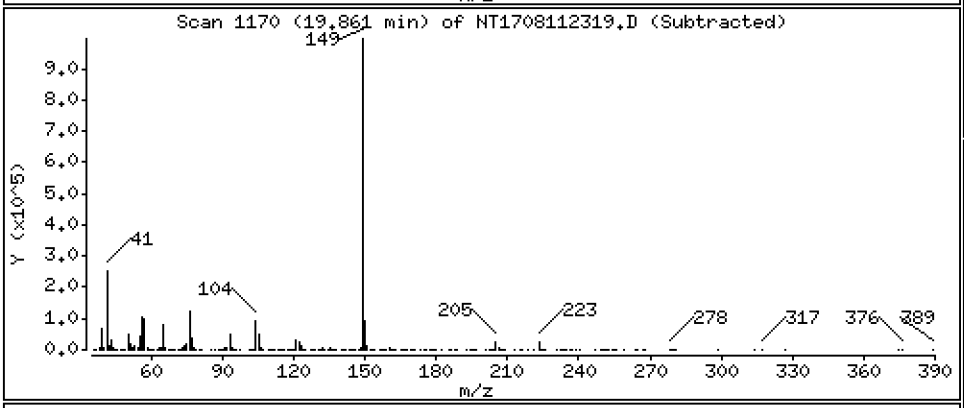
Column diameter: 0.25

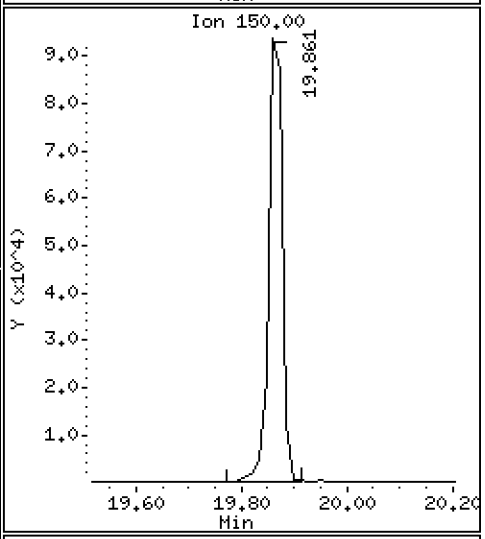
63 Di-n-butylphthalate

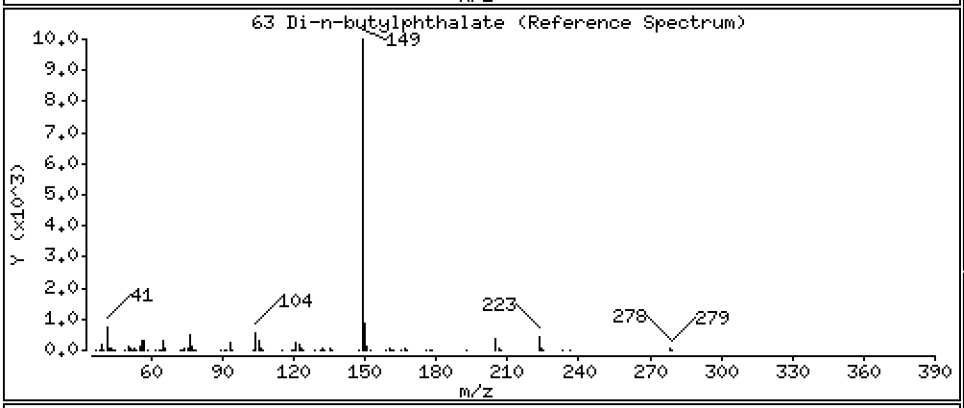
Concentration: 4.829 ug/mL

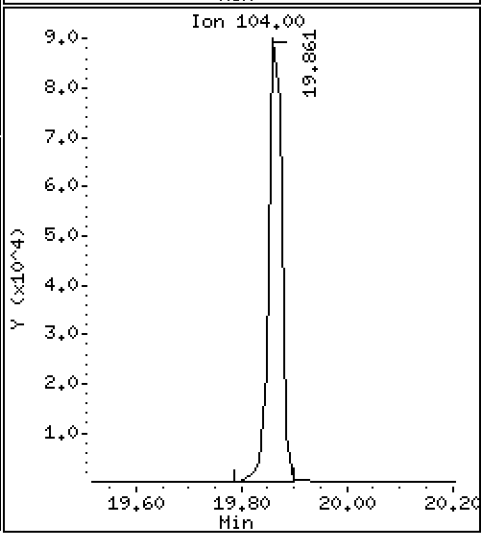


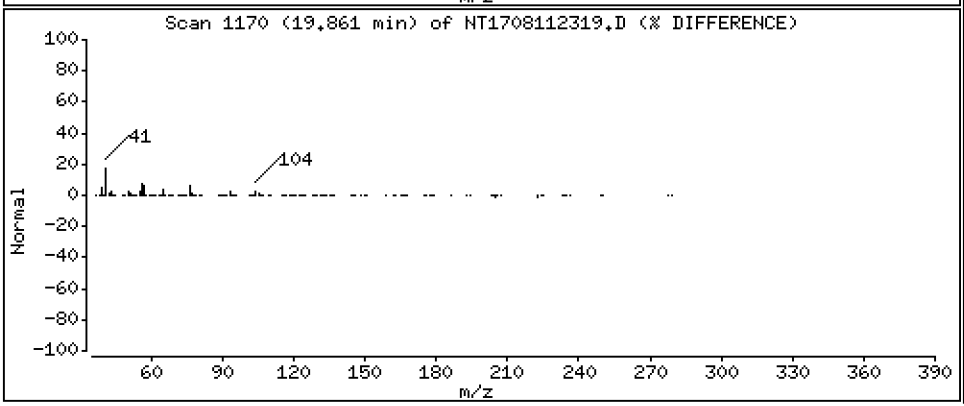












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

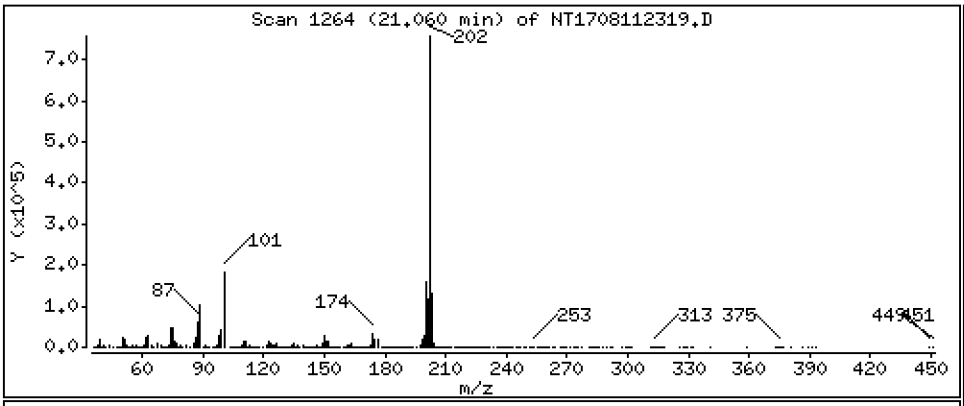
Operator: JGR

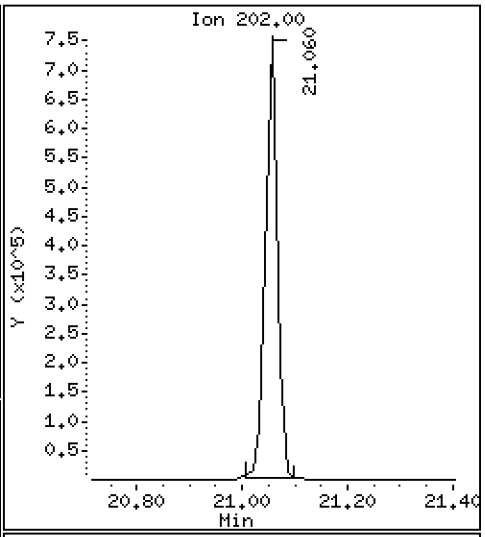
Column phase: ZB-5msi

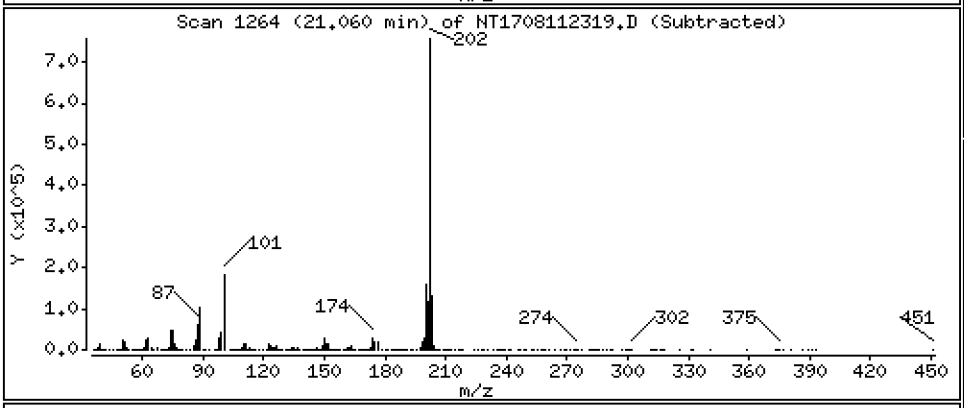
Column diameter: 0.25

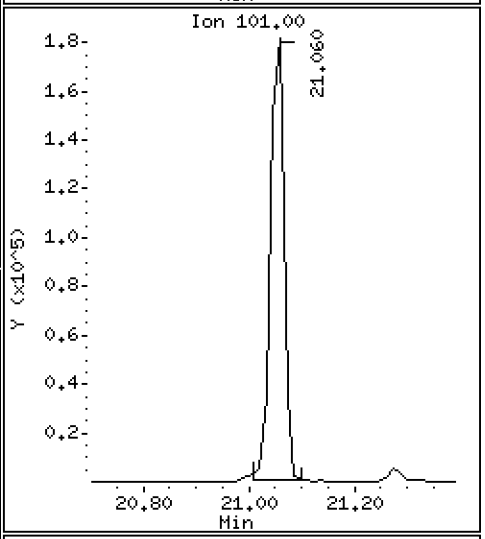
64 Fluoranthene

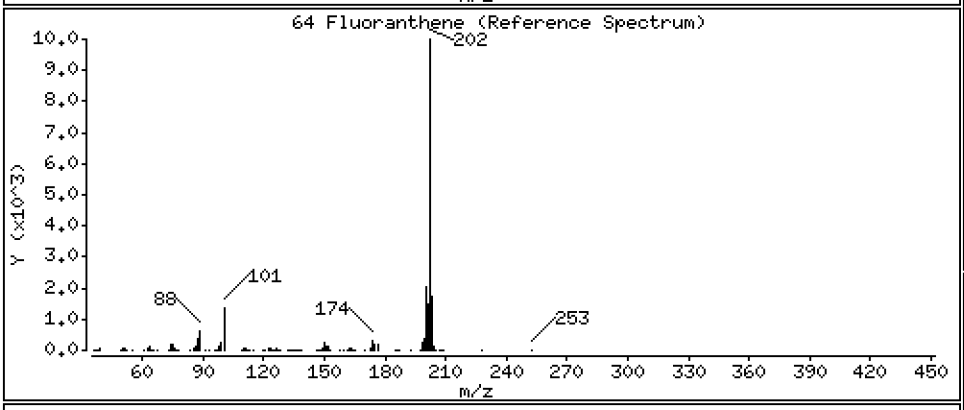
Concentration: 5.444 ug/mL

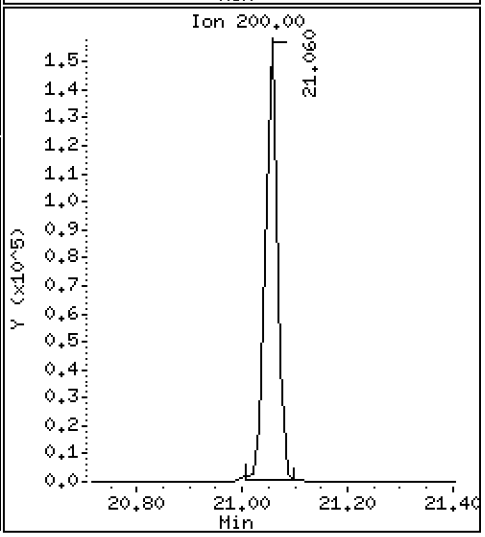


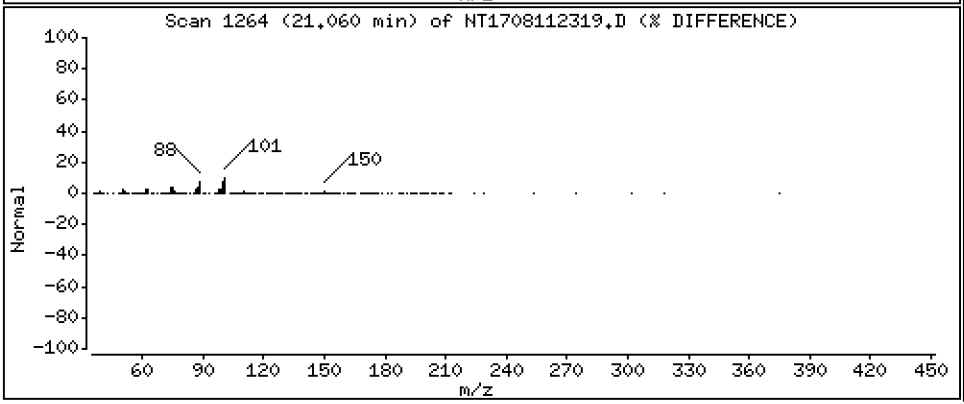












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

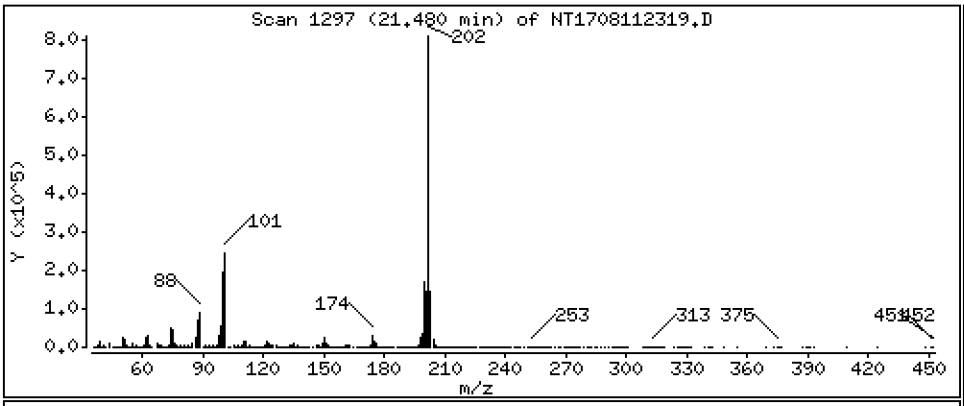
Operator: JGR

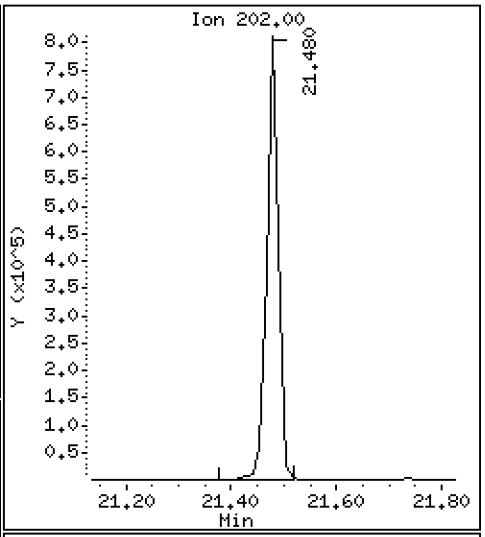
Column phase: ZB-5msi

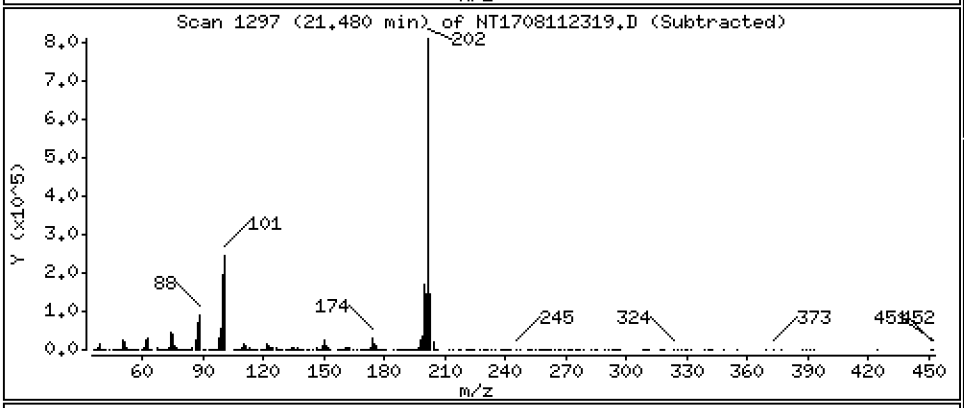
Column diameter: 0.25

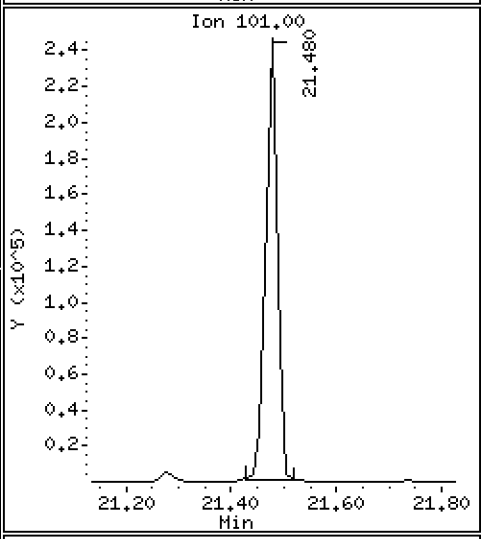
65 Pyrene

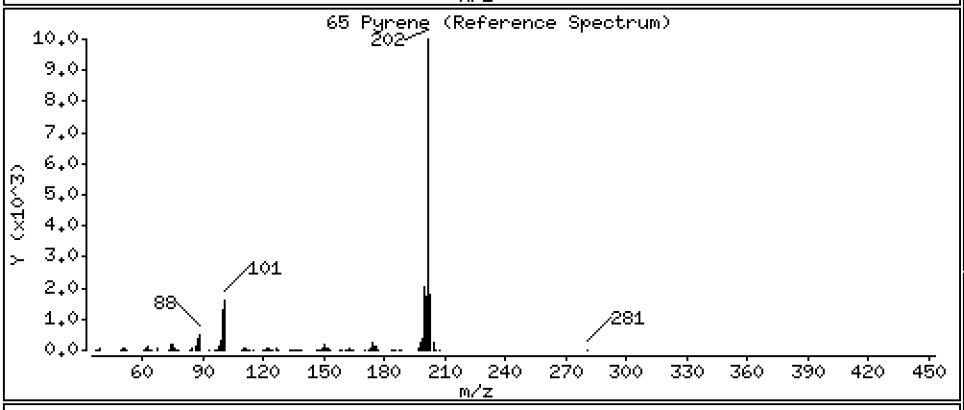
Concentration: 5.485 ug/mL

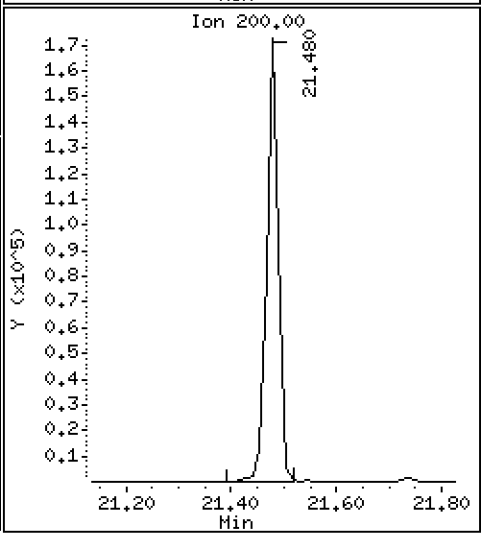


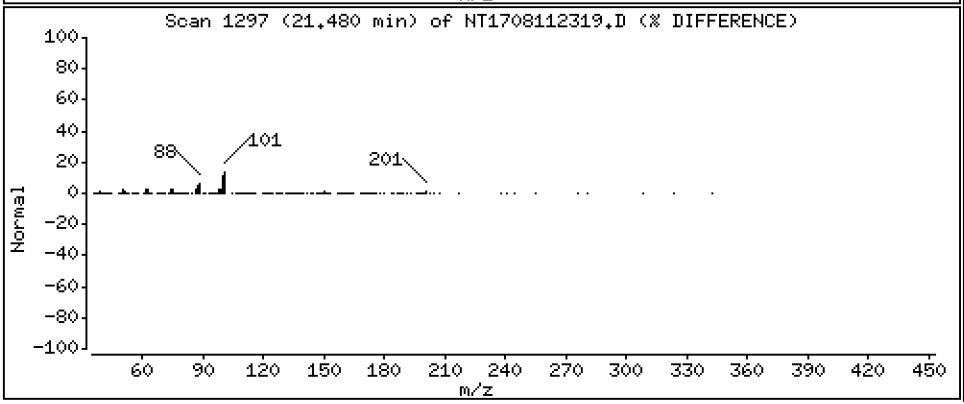












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

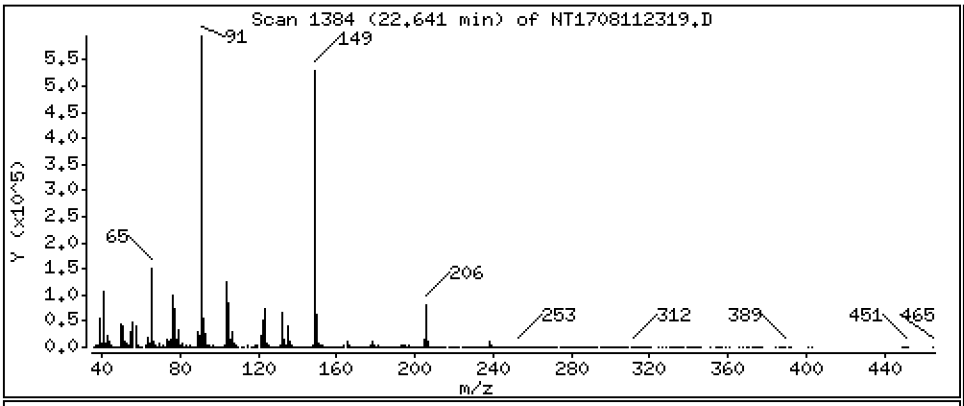
Operator: JGR

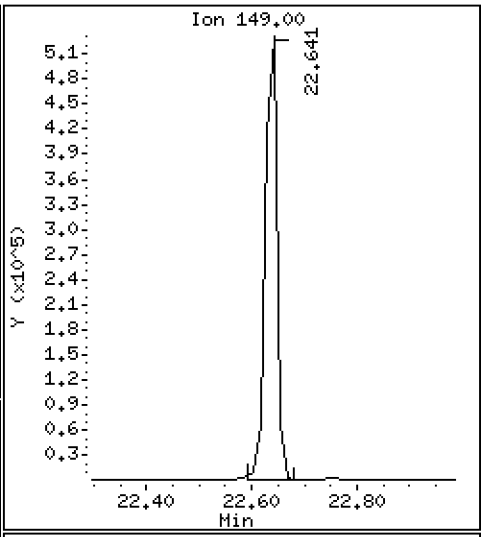
Column phase: ZB-5msi

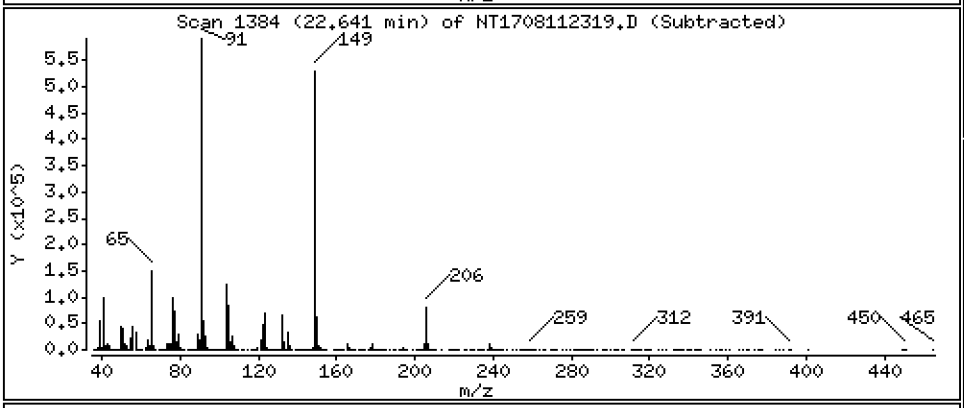
Column diameter: 0.25

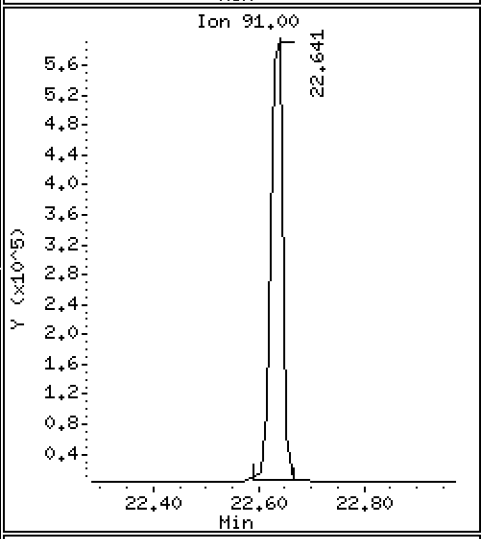
67 Butylbenzylphthalate

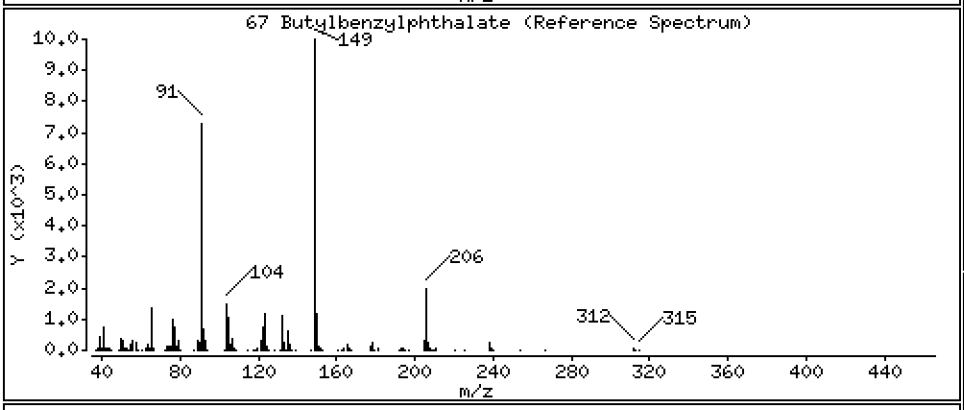
Concentration: 5.379 ug/mL

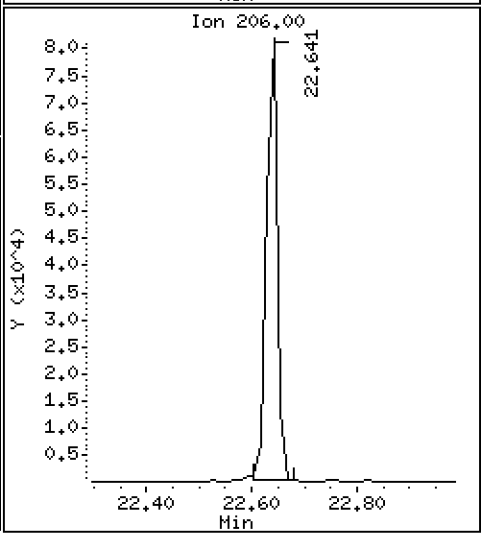


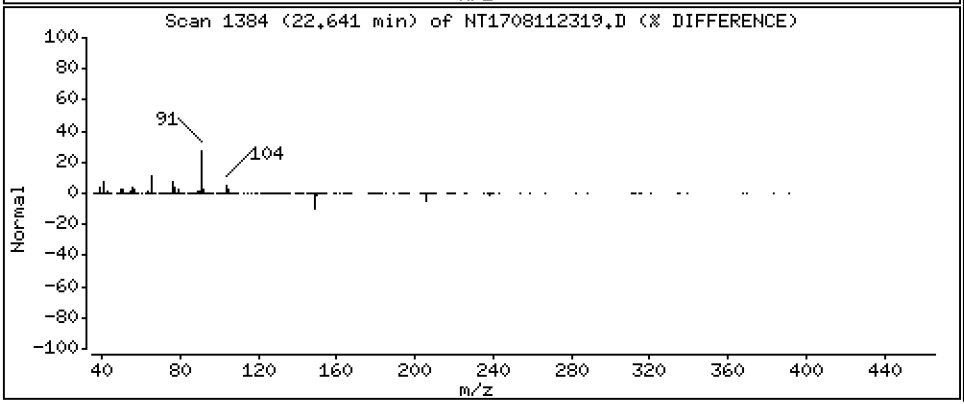












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

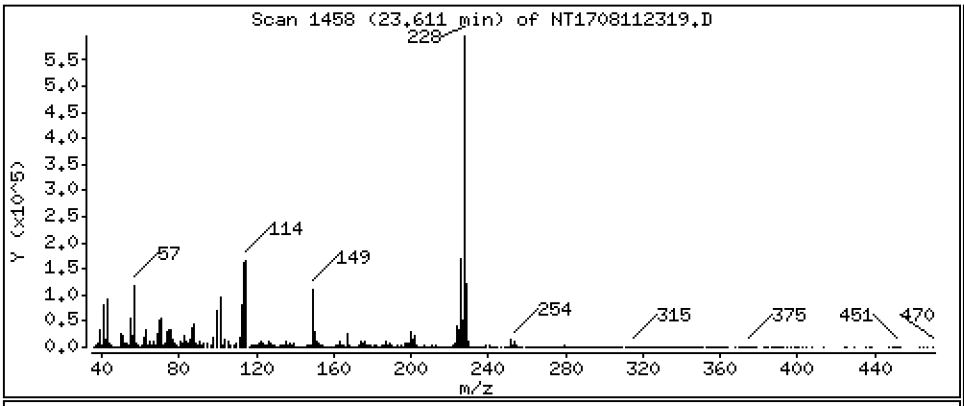
Operator: JGR

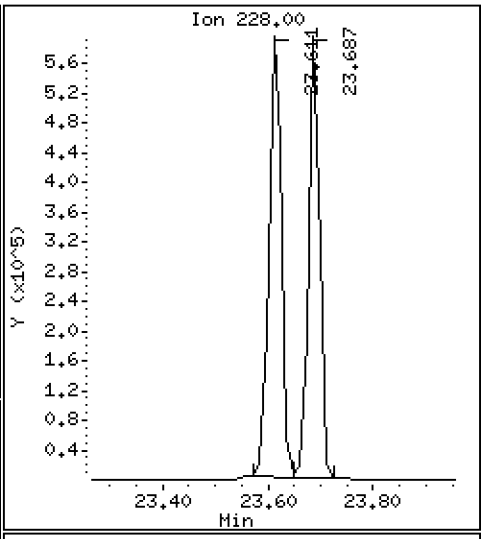
Column phase: ZB-5msi

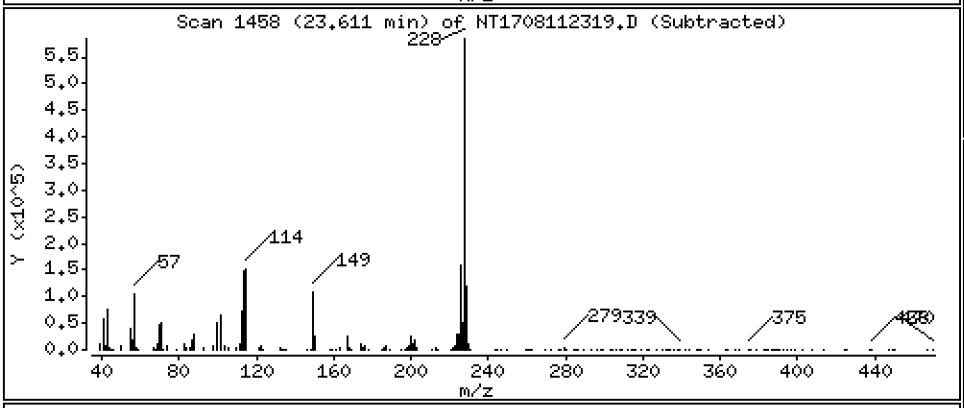
Column diameter: 0.25

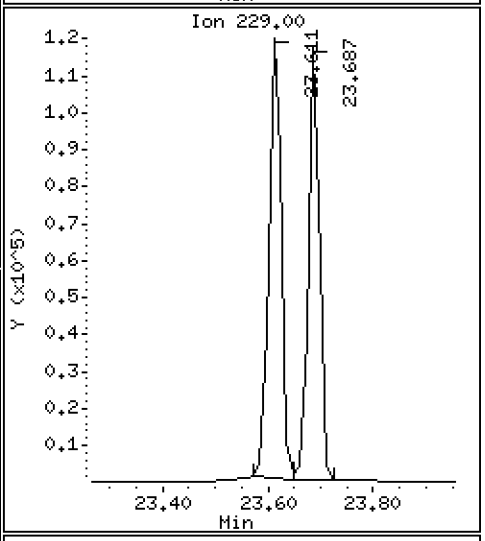
68 Benzo(a)anthracene

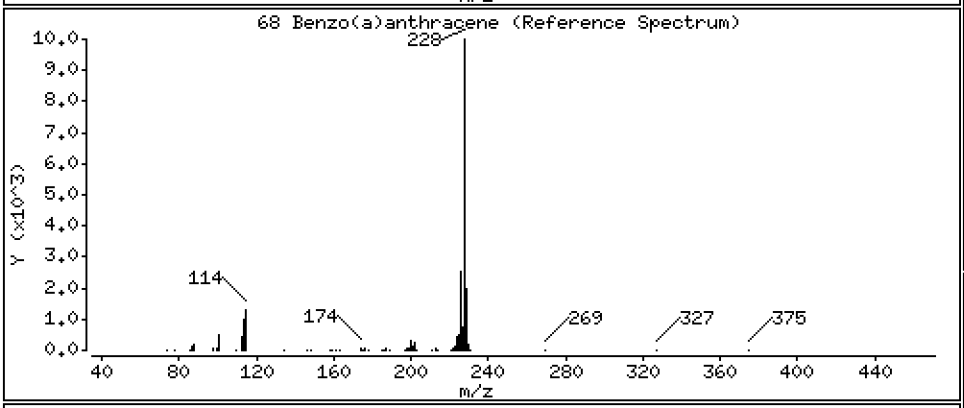
Concentration: 4.929 ug/mL

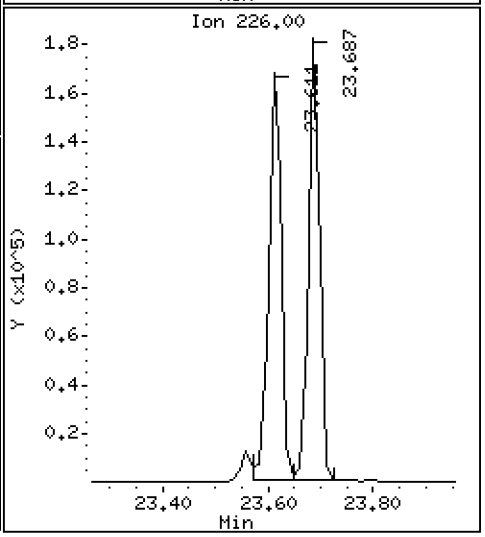


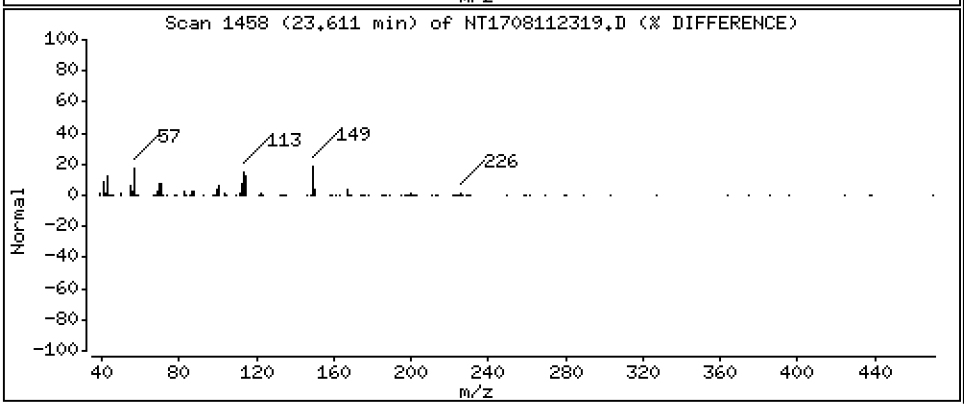












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

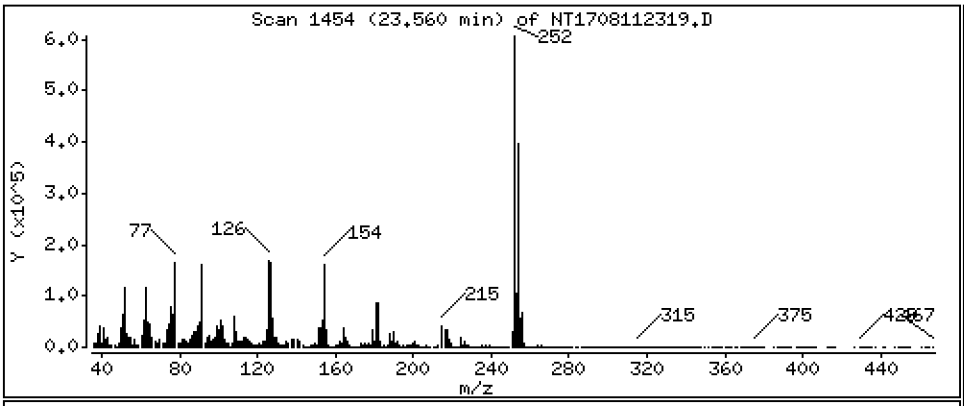
Operator: JGR

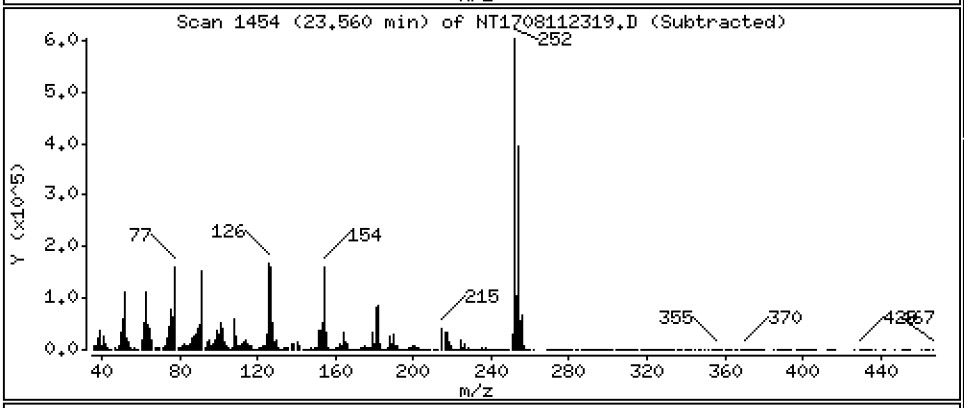
Column phase: ZB-5msi

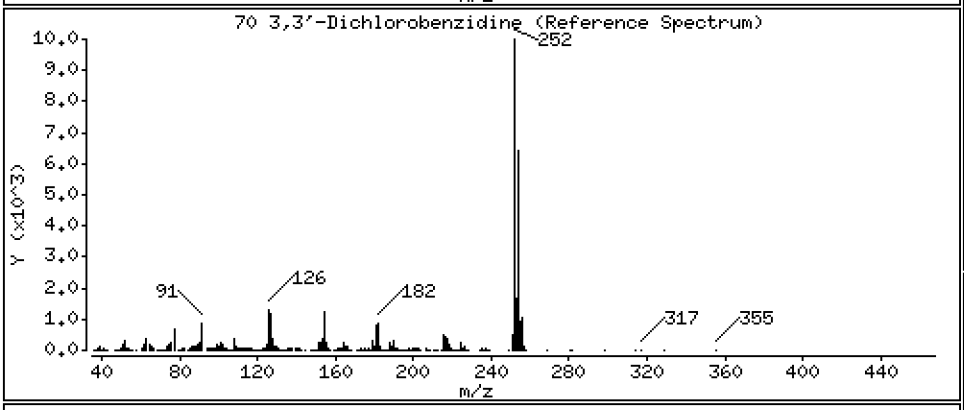
Column diameter: 0.25

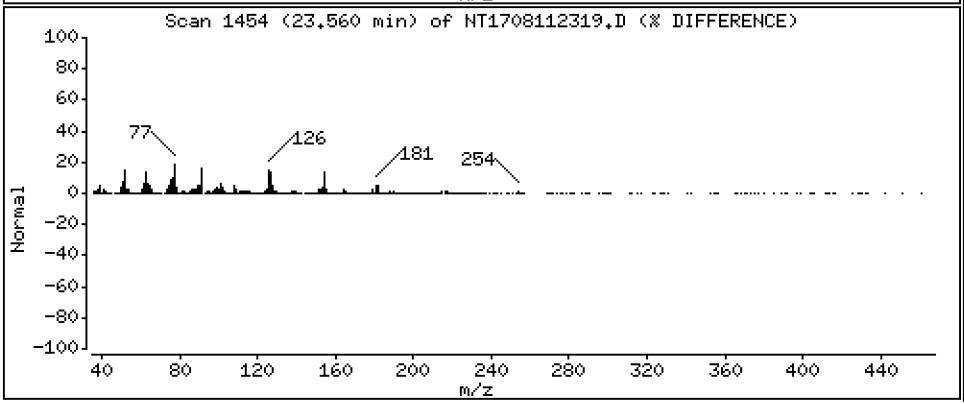
70 3,3'-Dichlorobenzidine

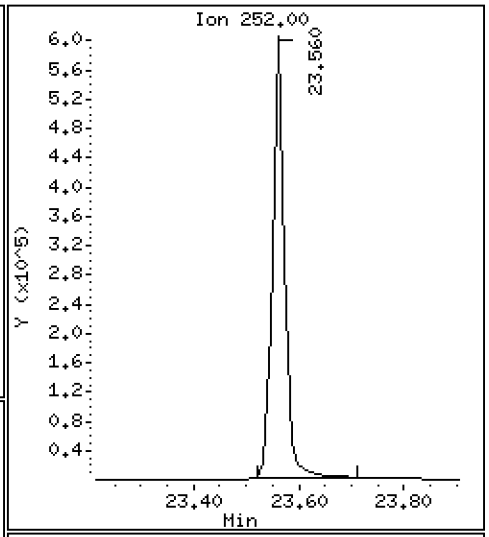
Concentration: 15.26 ug/mL

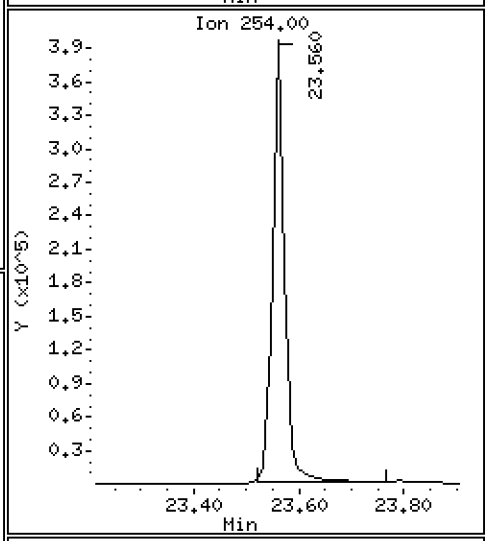


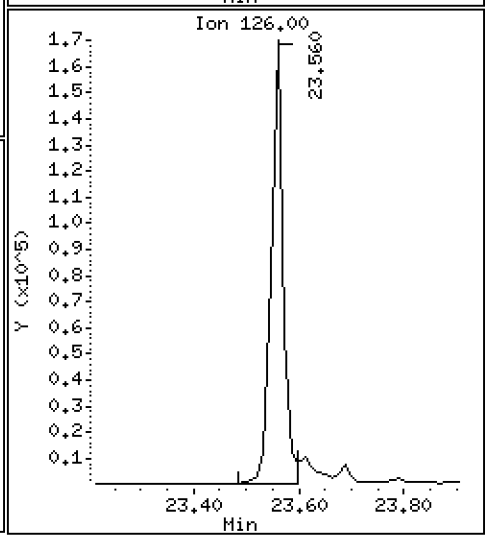












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

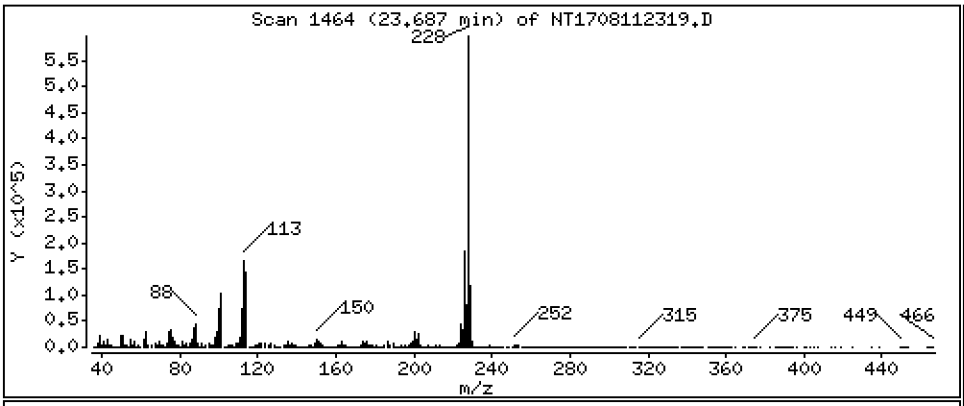
Operator: JGR

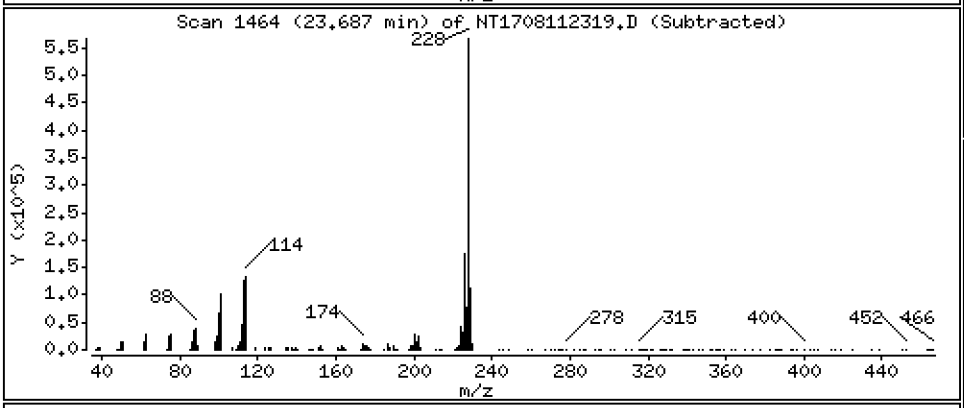
Column phase: ZB-5msi

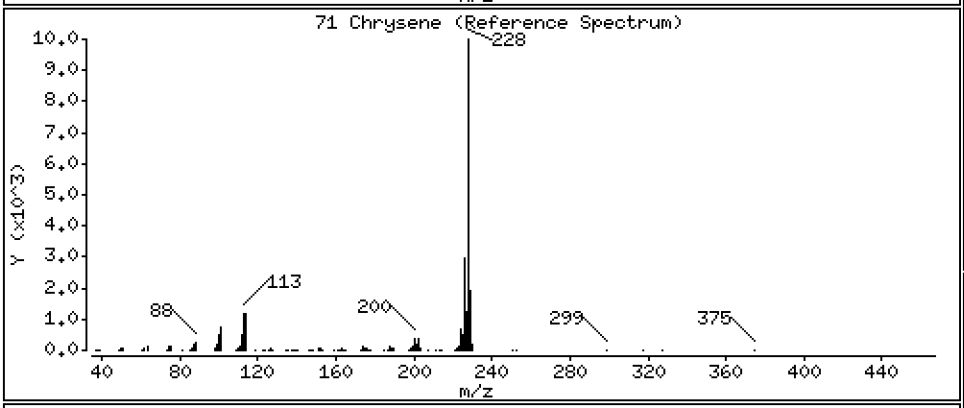
Column diameter: 0.25

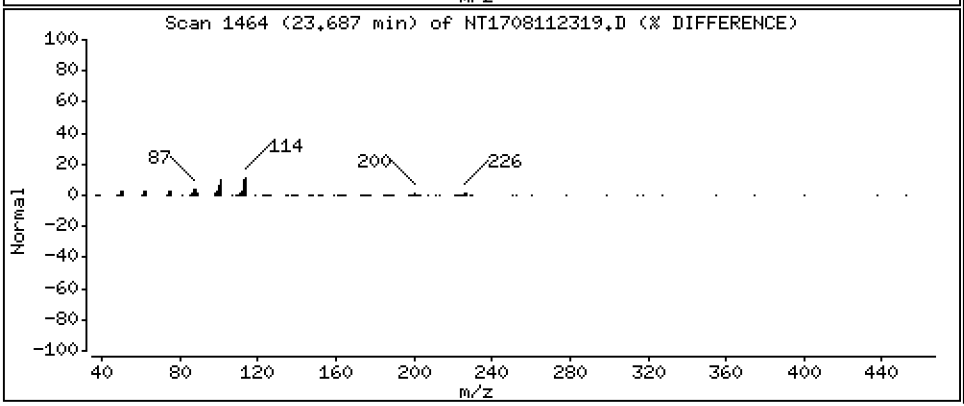
71 Chrysene

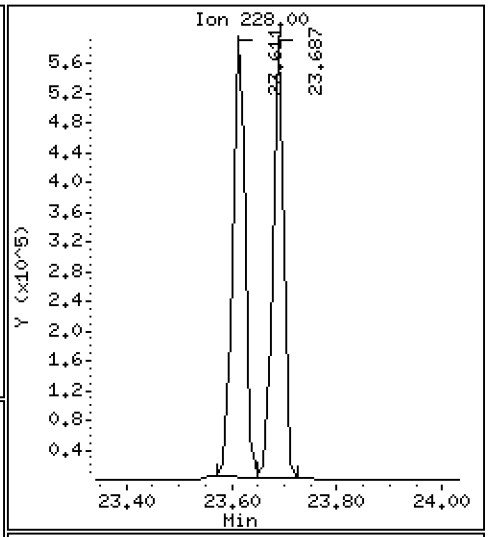
Concentration: 4.992 ug/mL

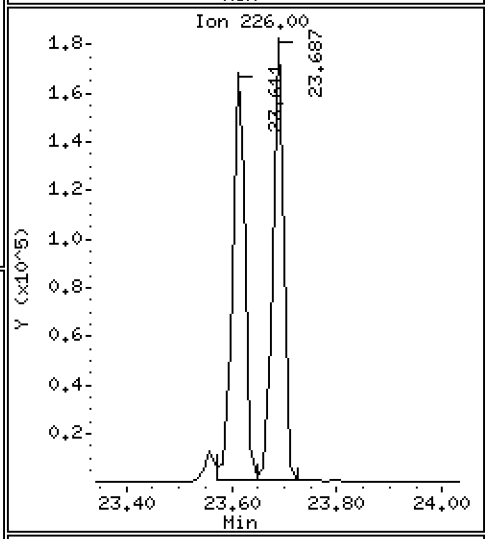


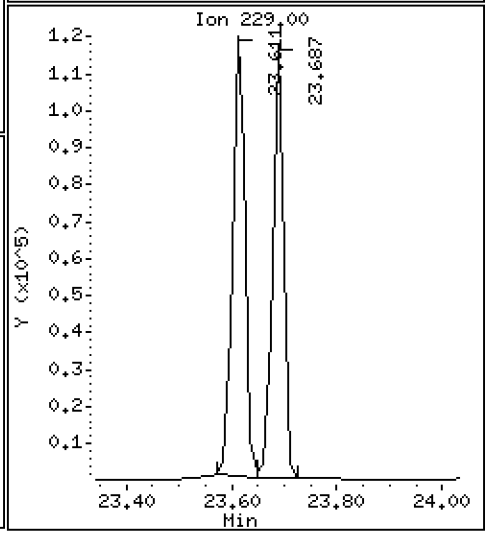












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

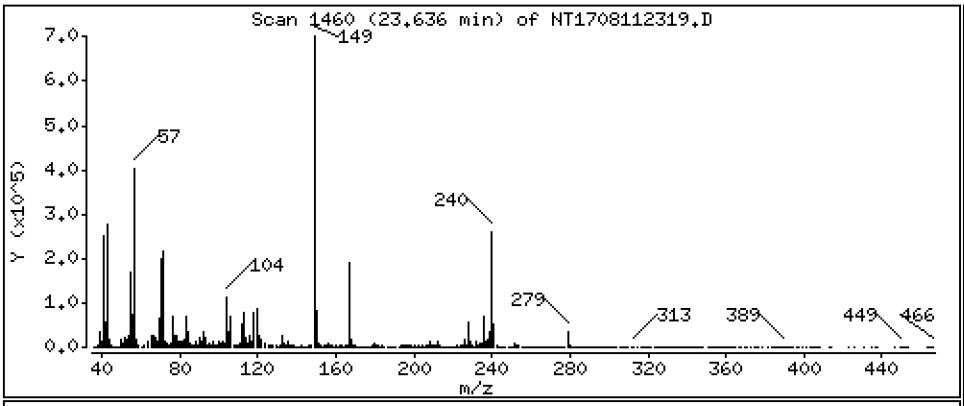
Operator: JGR

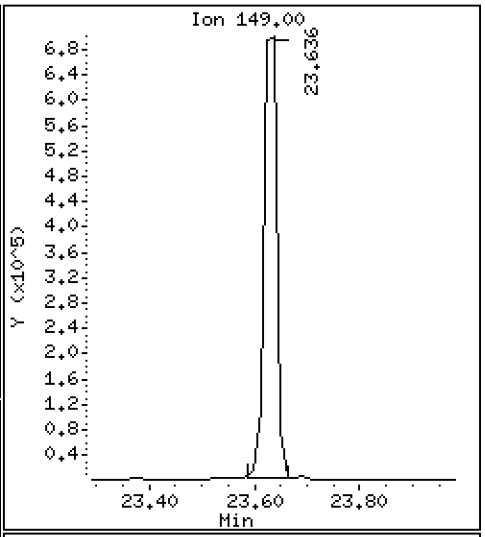
Column phase: ZB-5msi

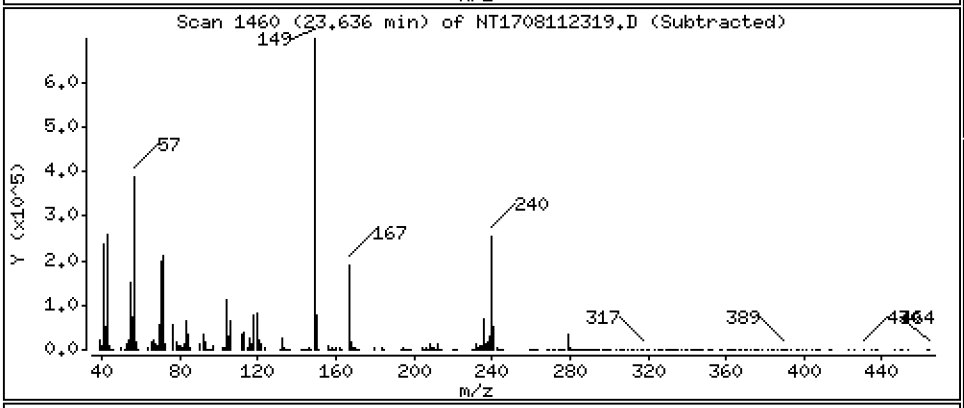
Column diameter: 0.25

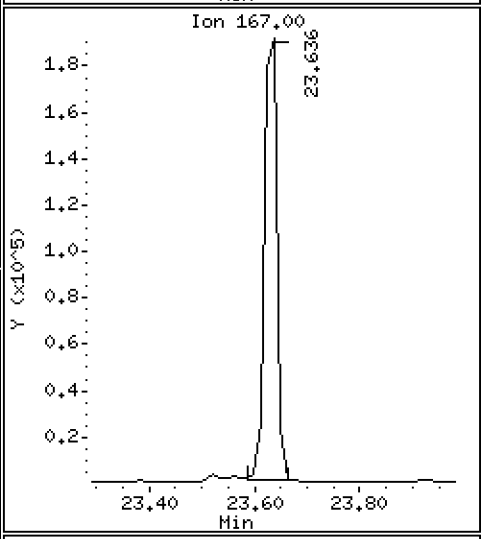
72 bis(2-Ethylhexyl)phthalate

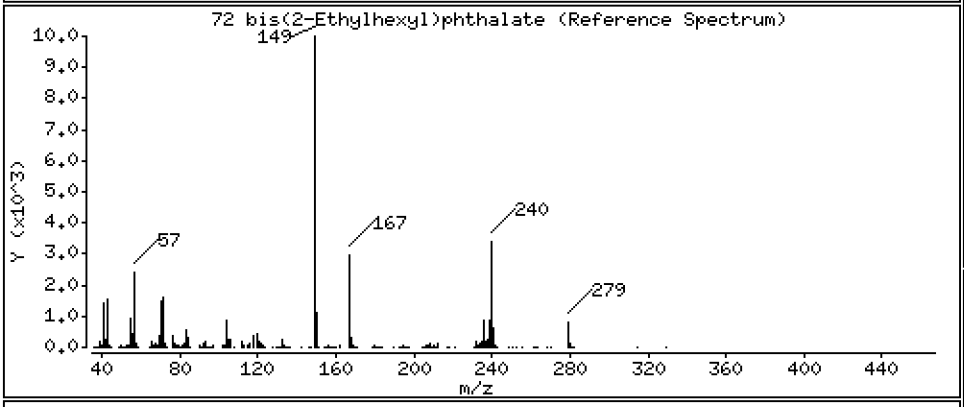
Concentration: 4.793 ug/mL

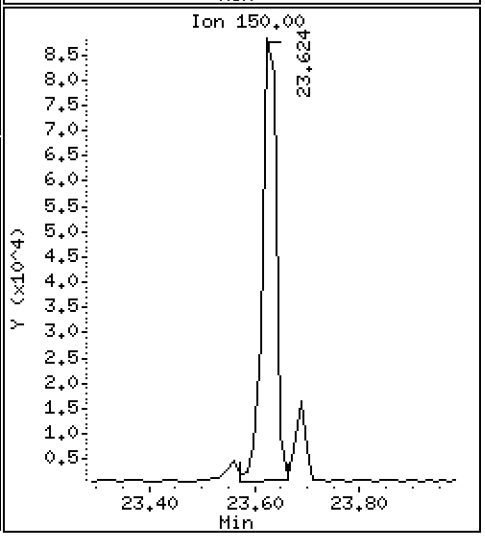


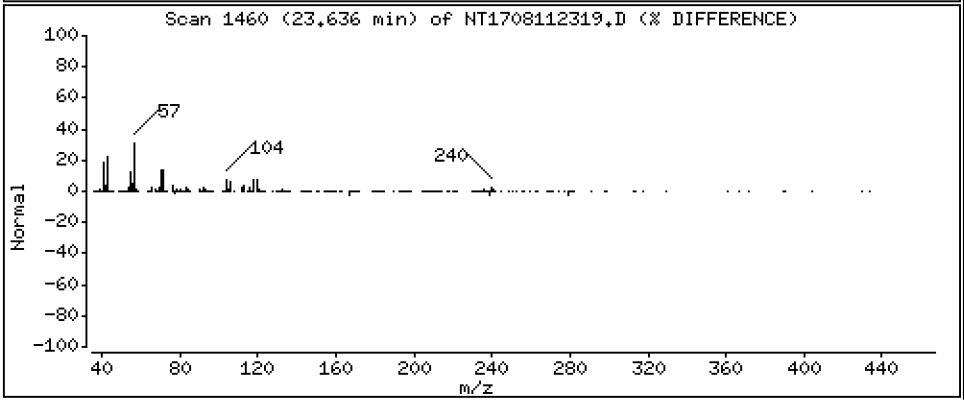












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

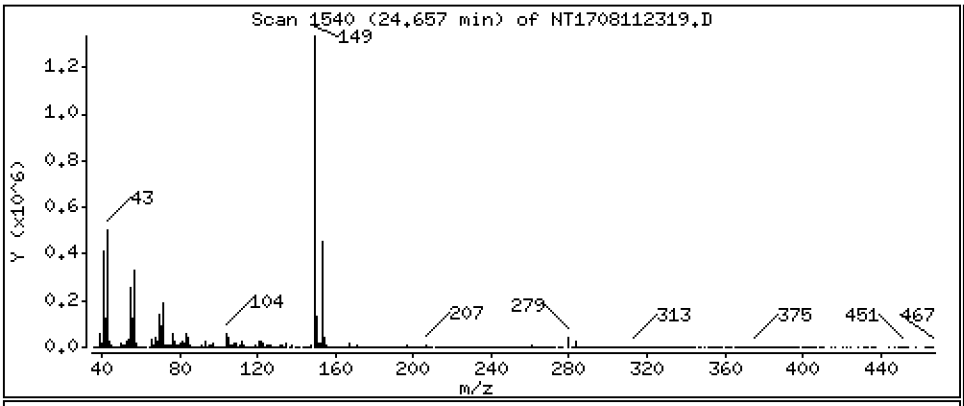
Operator: JGR

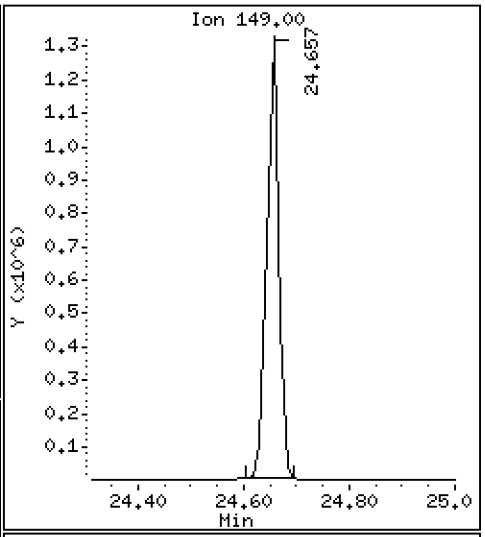
Column phase: ZB-5msi

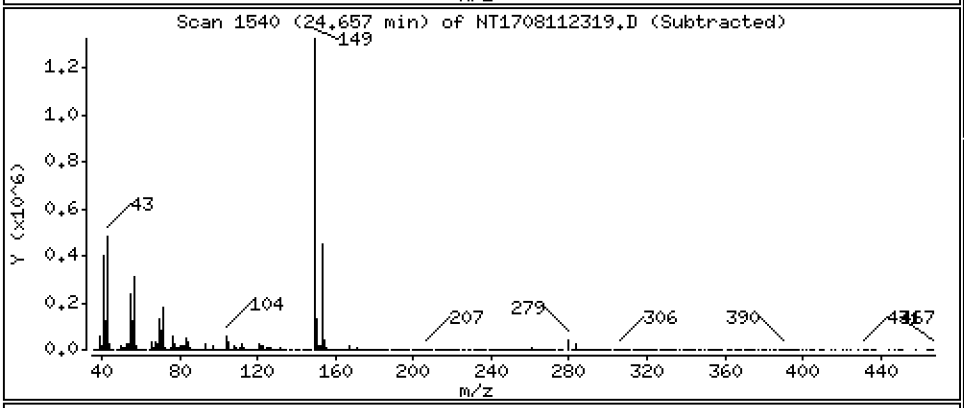
Column diameter: 0.25

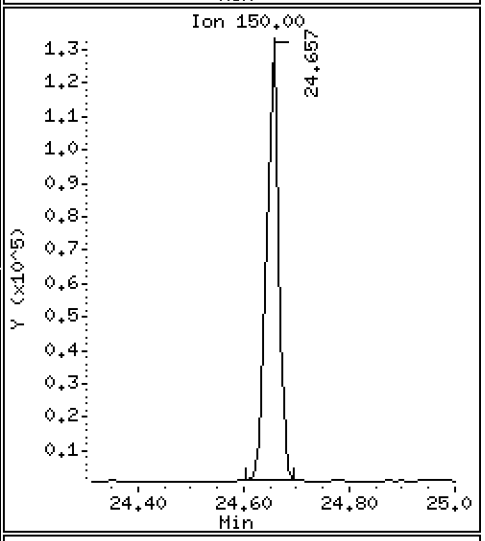
73 Di-n-octylphthalate

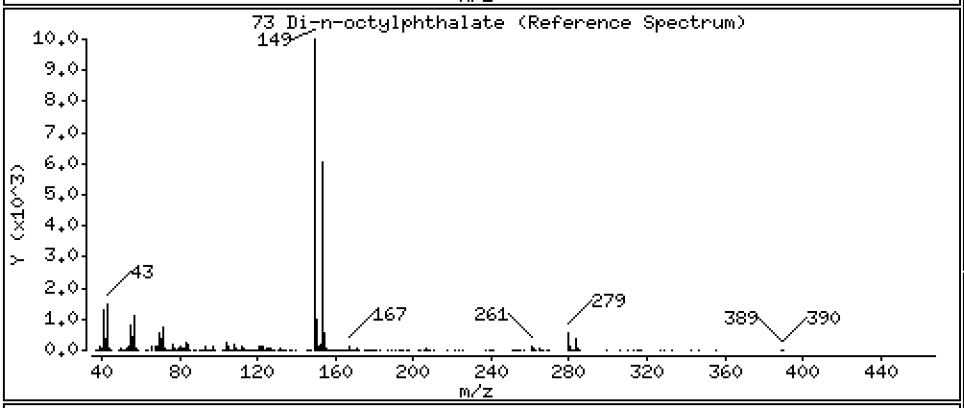
Concentration: 4.830 ug/mL

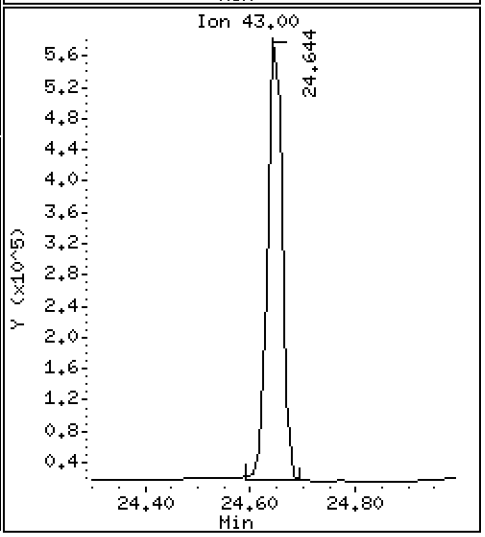


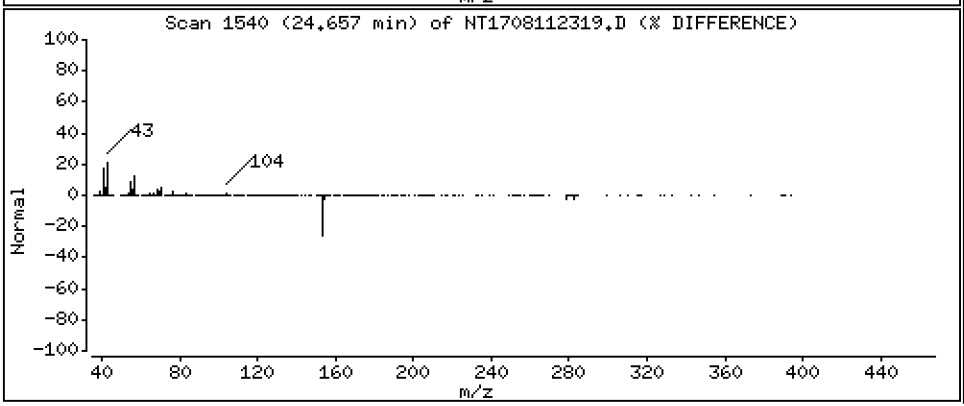












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Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

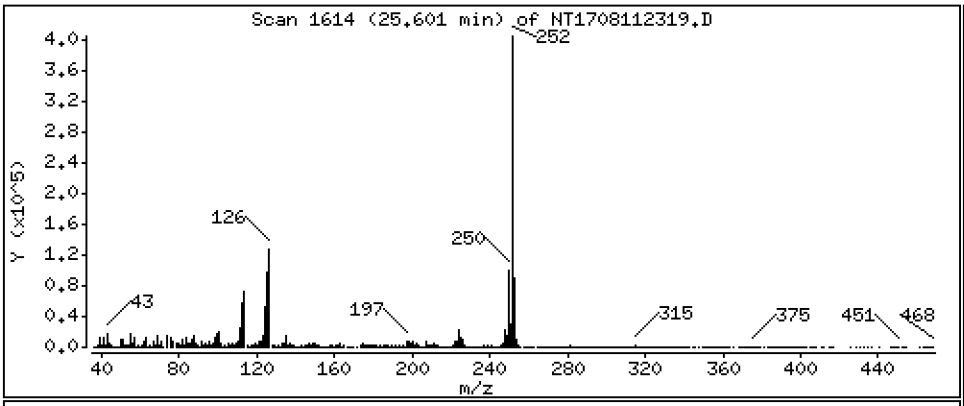
Operator: JGR

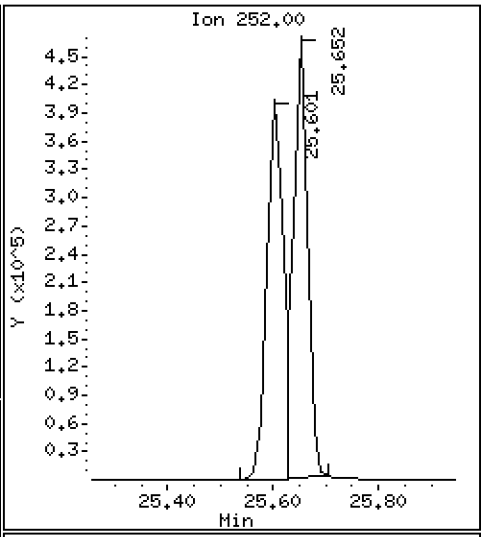
Column phase: ZB-5msi

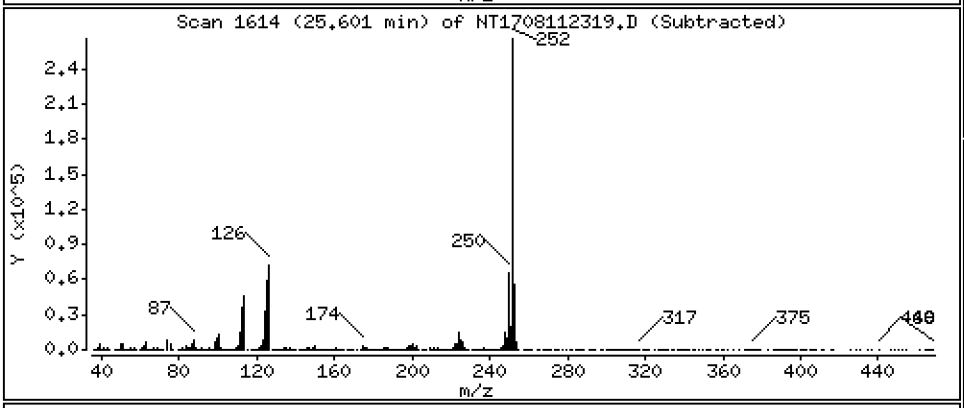
Column diameter: 0.25

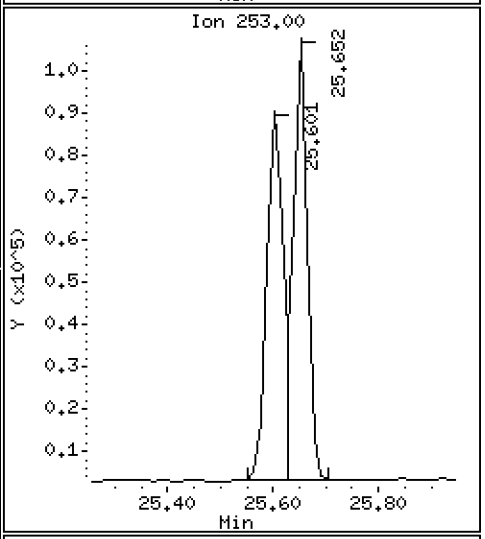
74 Benzo(b)fluoranthene

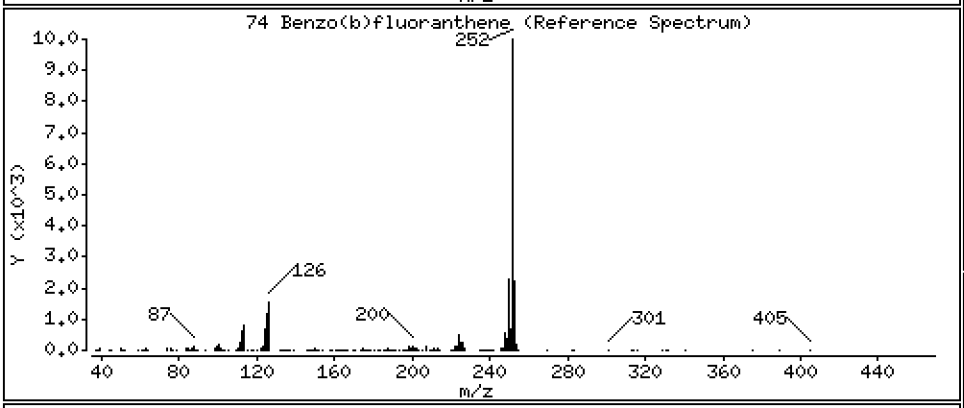
Concentration: 4.124 ug/mL

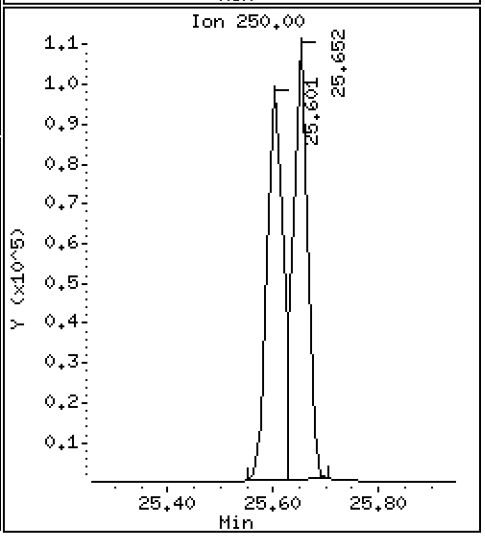


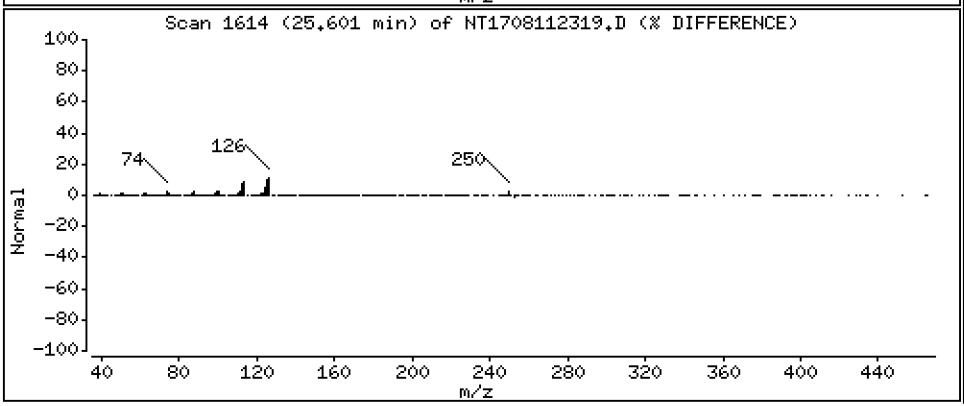












Date : 11-AUG-2023 23:25

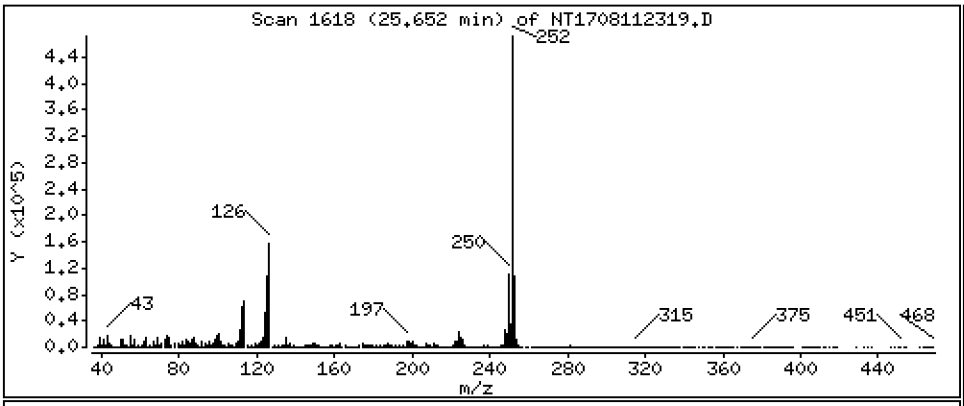
Client ID: Instrument: nt17.i

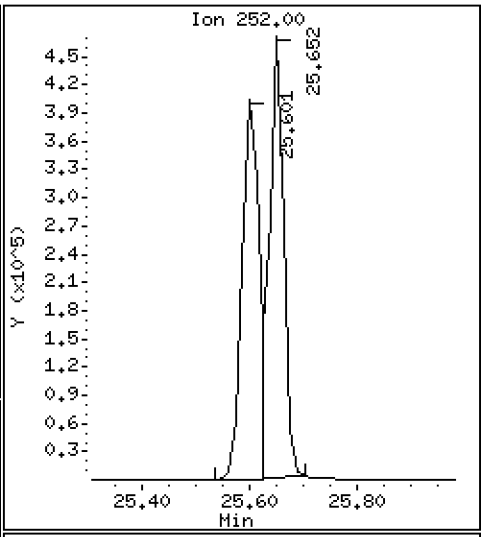
Sample Info: SEQ-CCV1

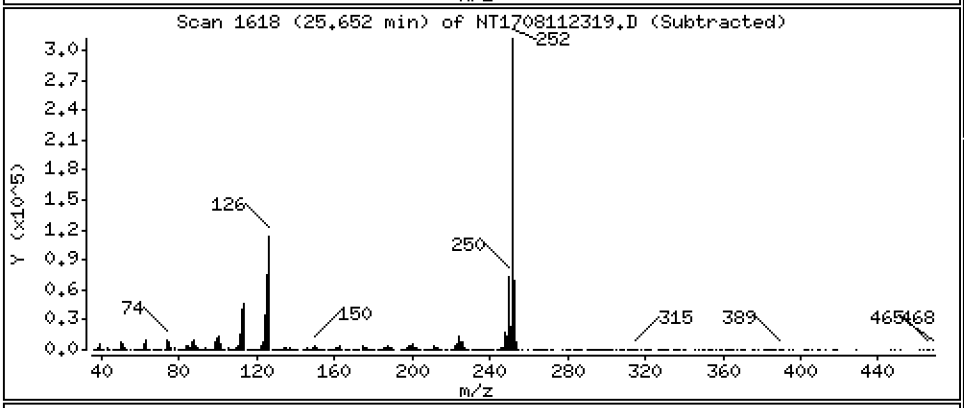
Operator: JGR

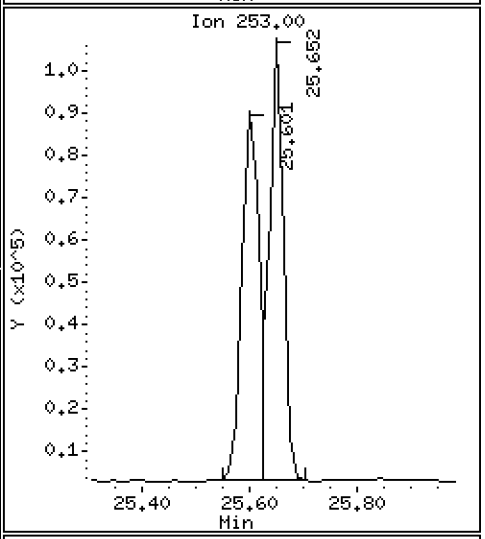
Column phase: ZB-5msi Column diameter: 0.25

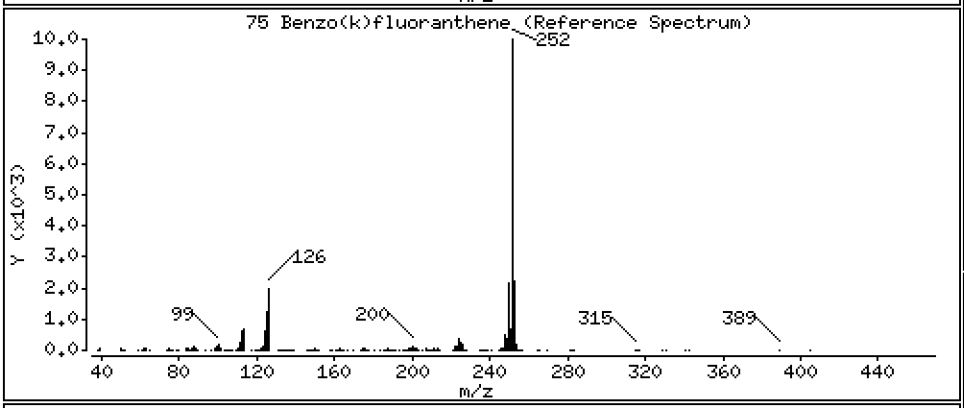
75 Benzo(k)fluoranthene Concentration: 5.051 ug/mL

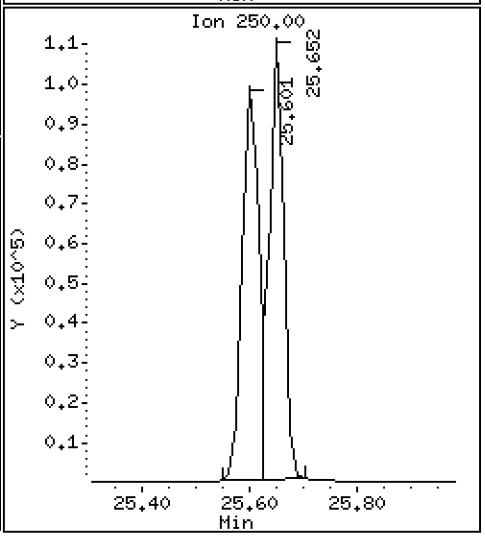


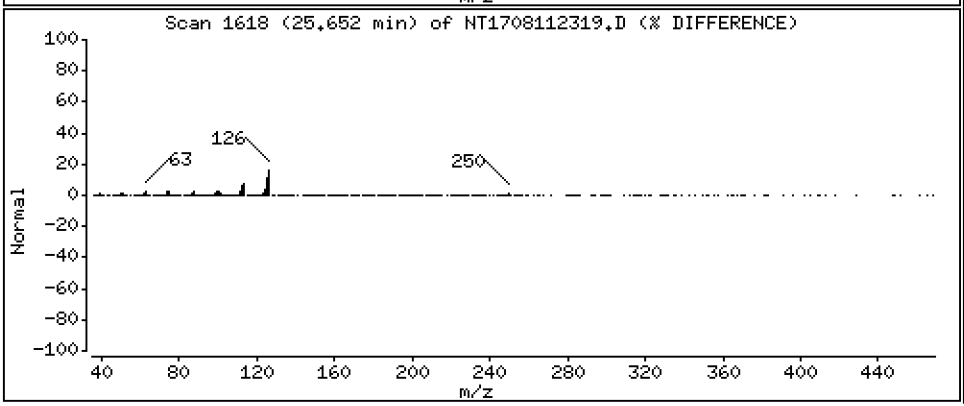












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

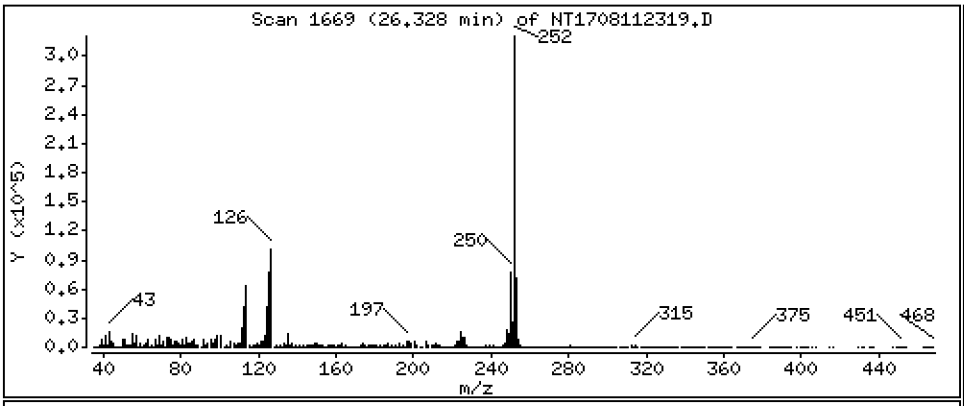
Operator: JGR

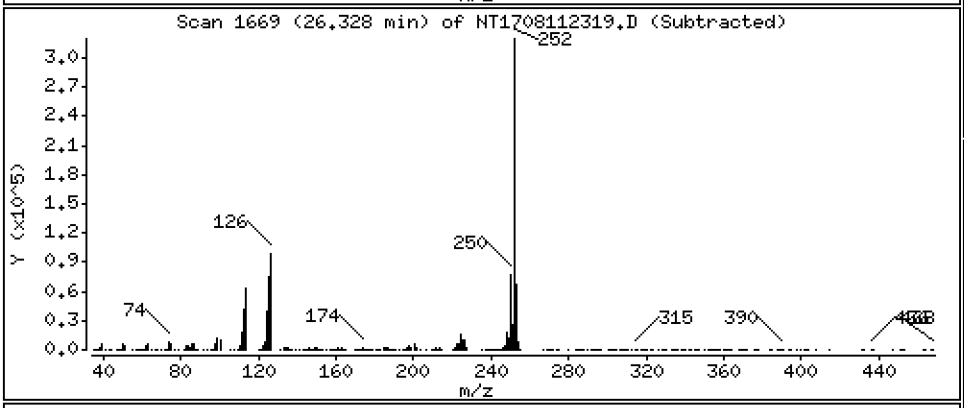
Column phase: ZB-5msi

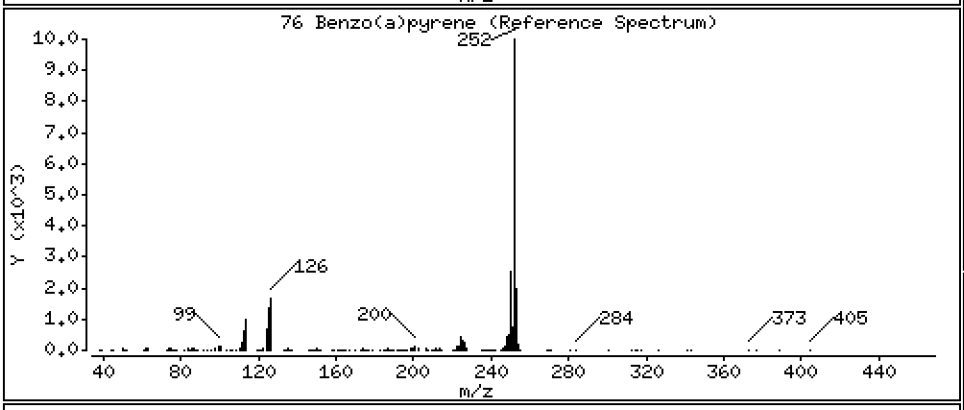
Column diameter: 0.25

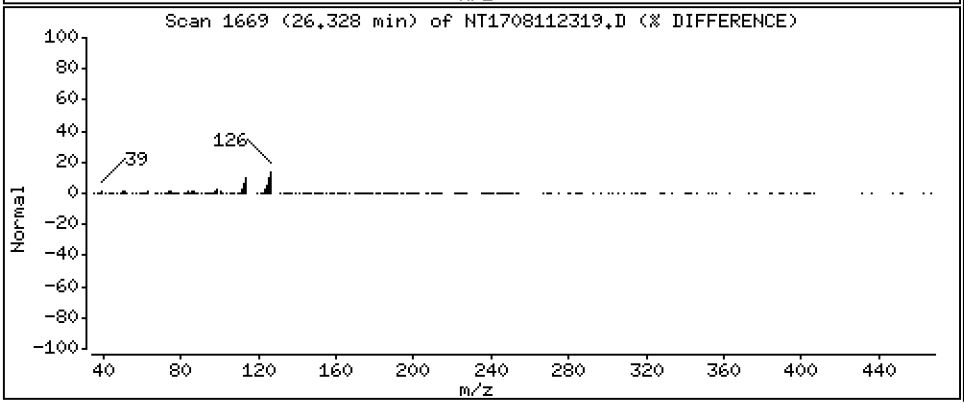
76 Benzo(a)pyrene

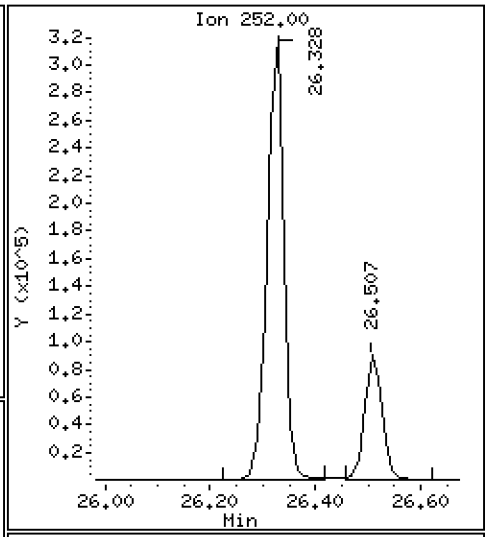
Concentration: 4.306 ug/mL

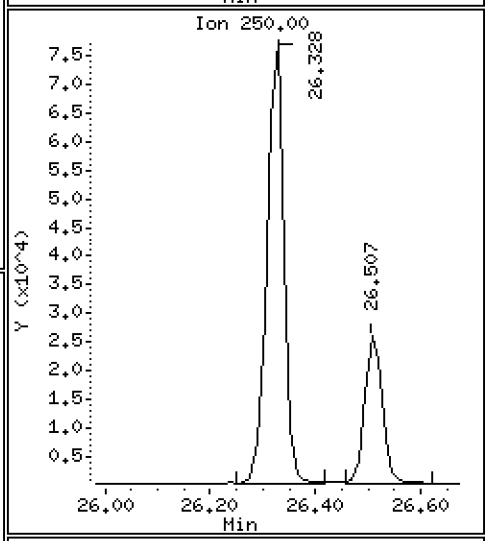


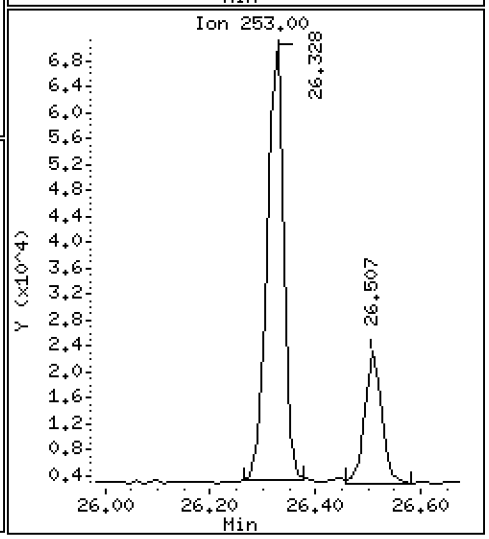












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

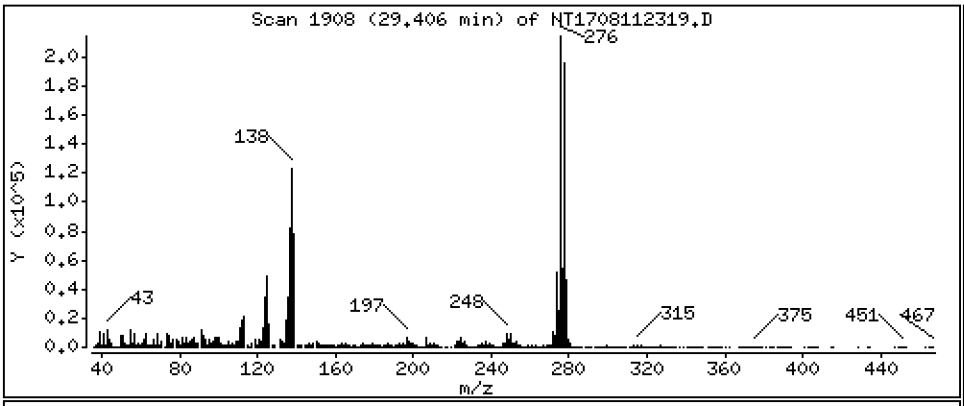
Operator: JGR

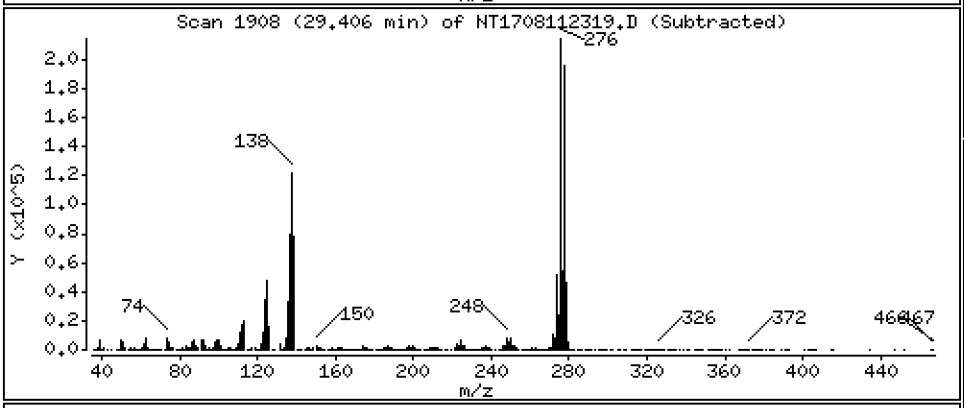
Column phase: ZB-5msi

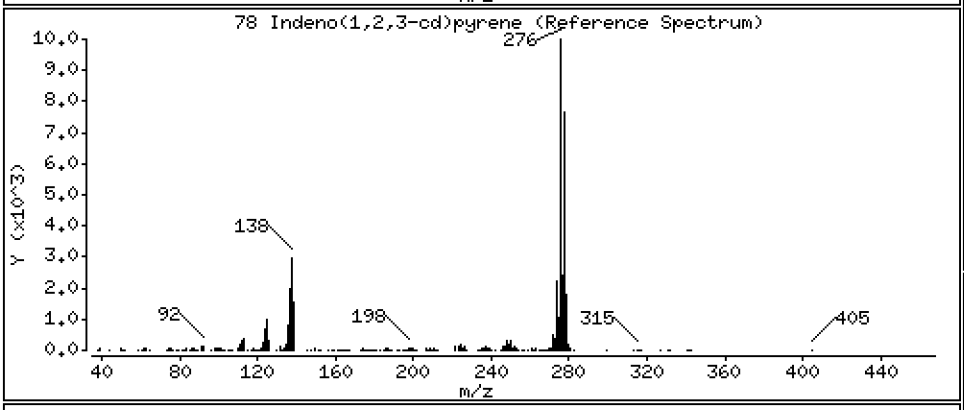
Column diameter: 0.25

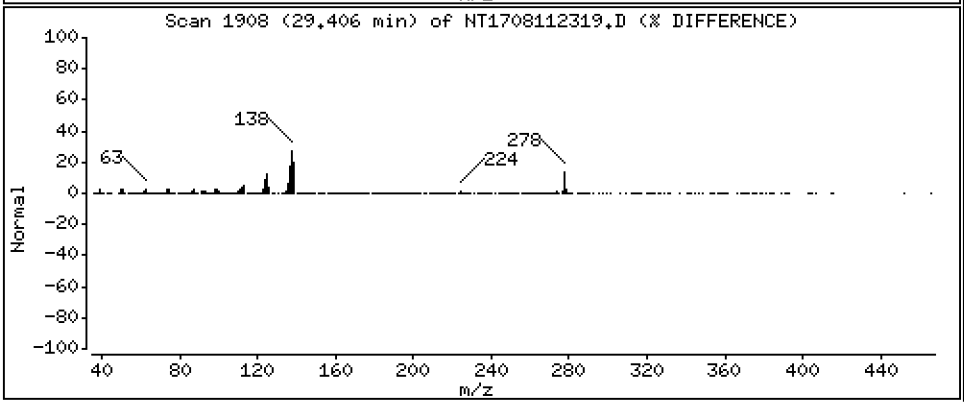
78 Indeno(1,2,3-cd)pyrene

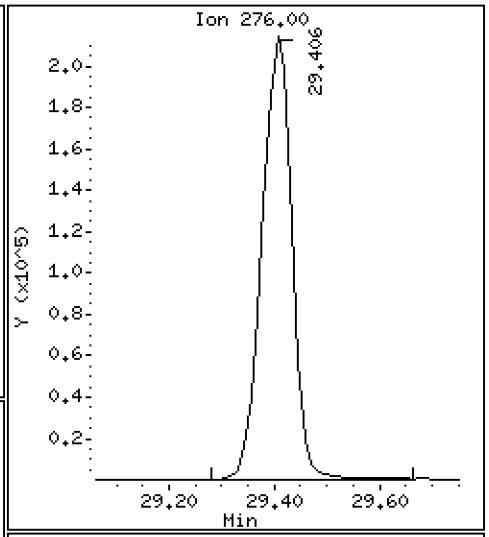
Concentration: 4.101 ug/mL

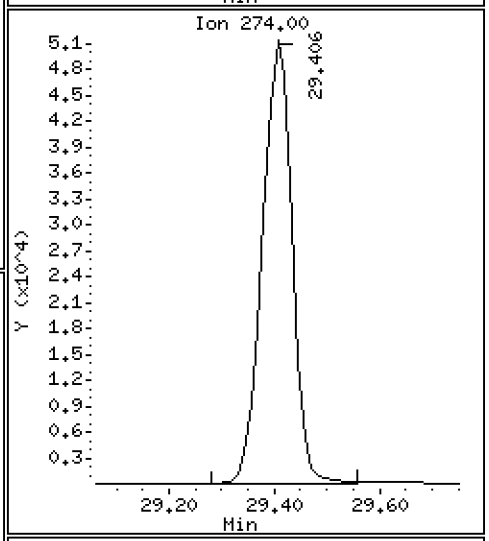


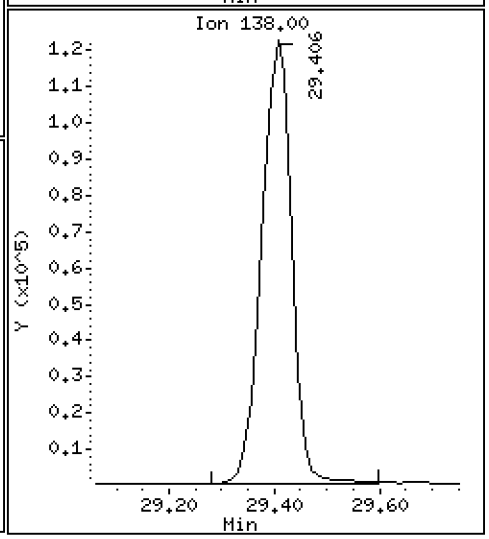












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

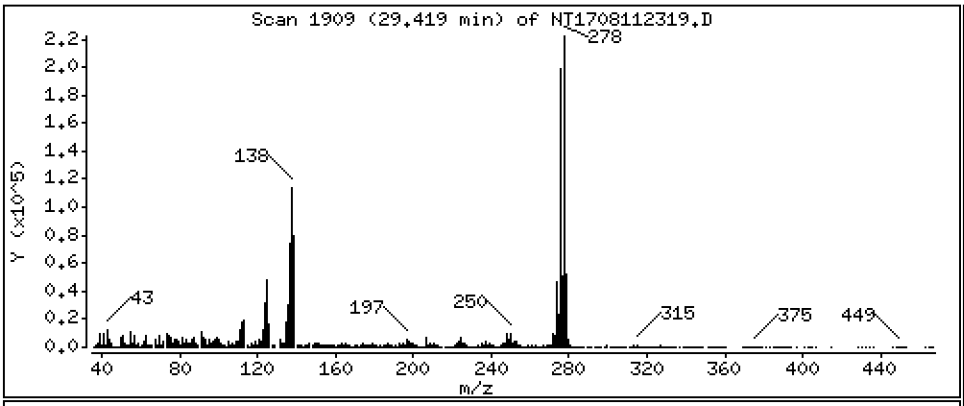
Operator: JGR

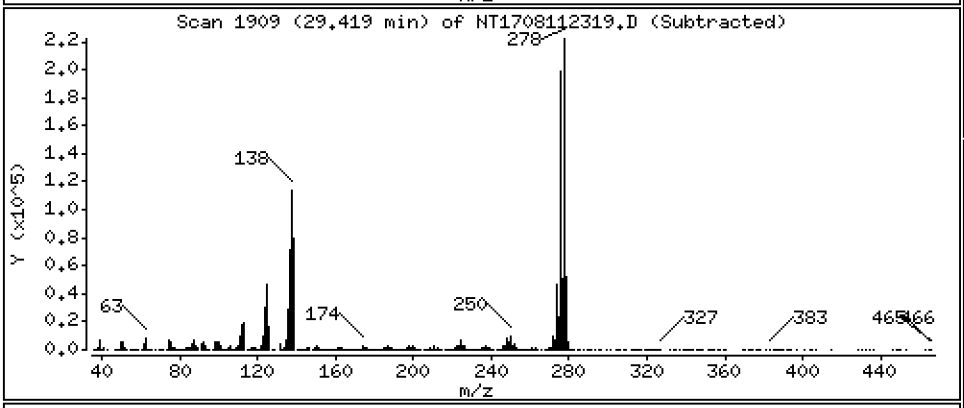
Column phase: ZB-5msi

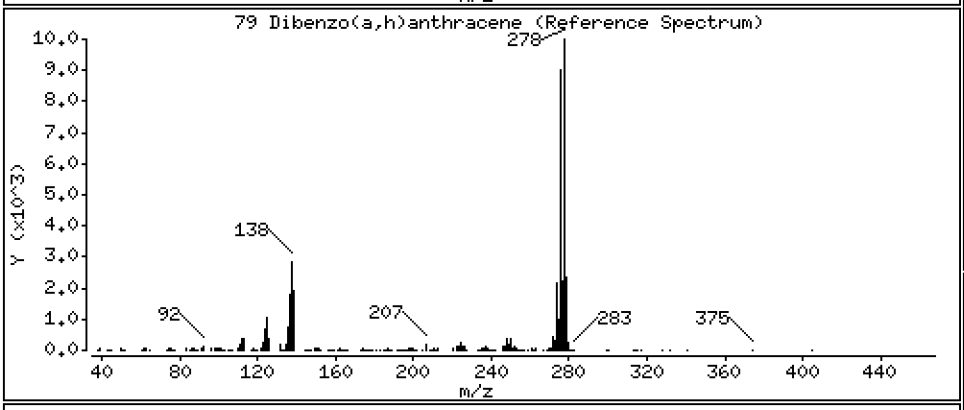
Column diameter: 0.25

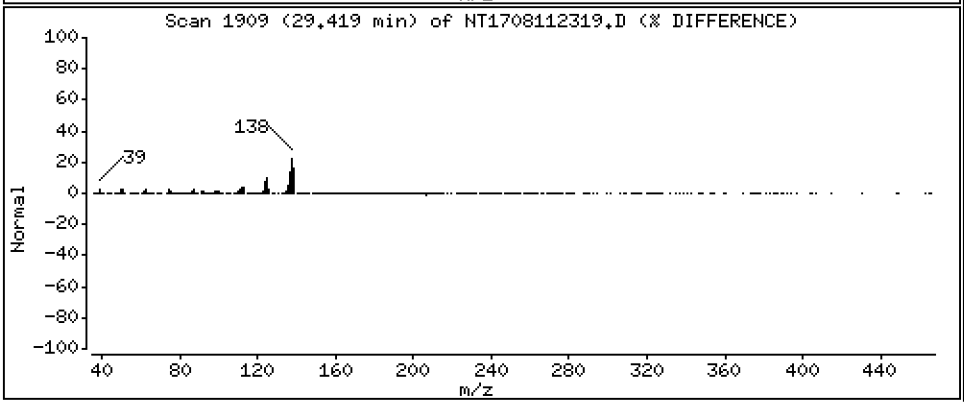
79 Dibenzo(a,h)anthracene

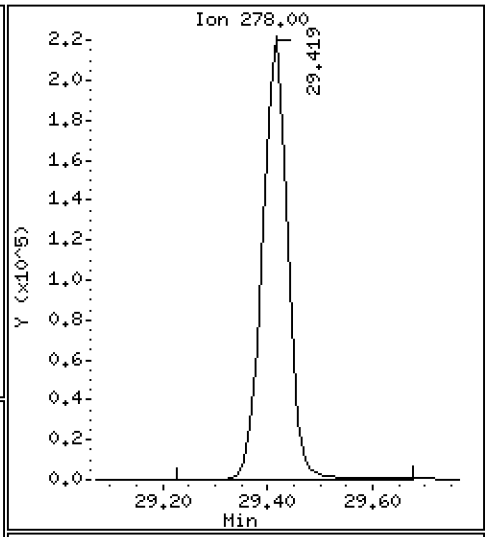
Concentration: 4.040 ug/mL

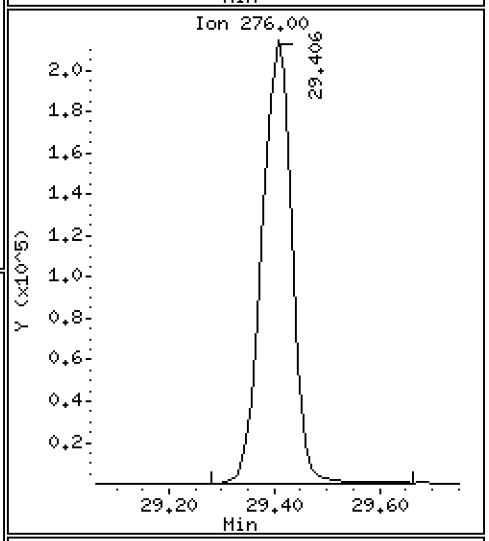


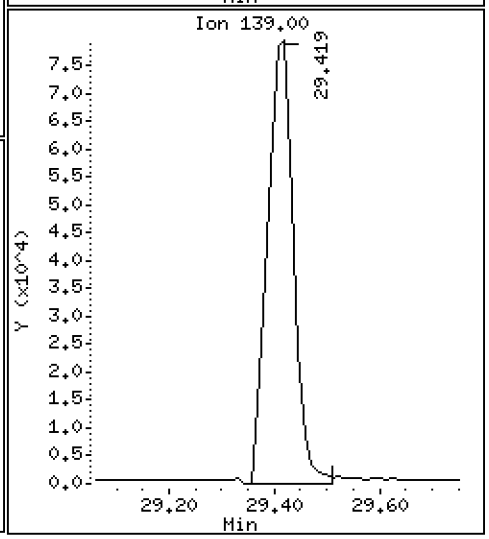












Date : 11-AUG-2023 23:25

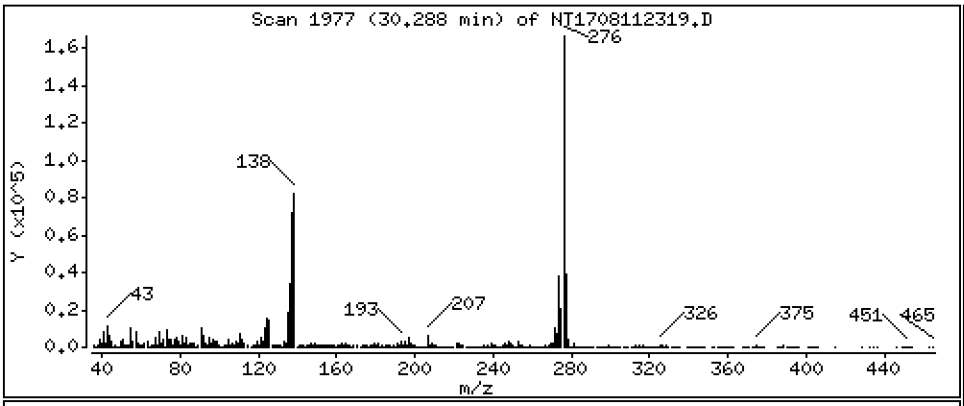
Client ID: Instrument: nt17.i

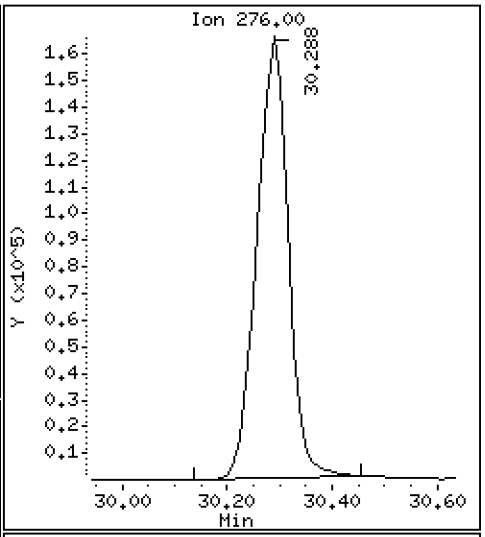
Sample Info: SEQ-CCV1

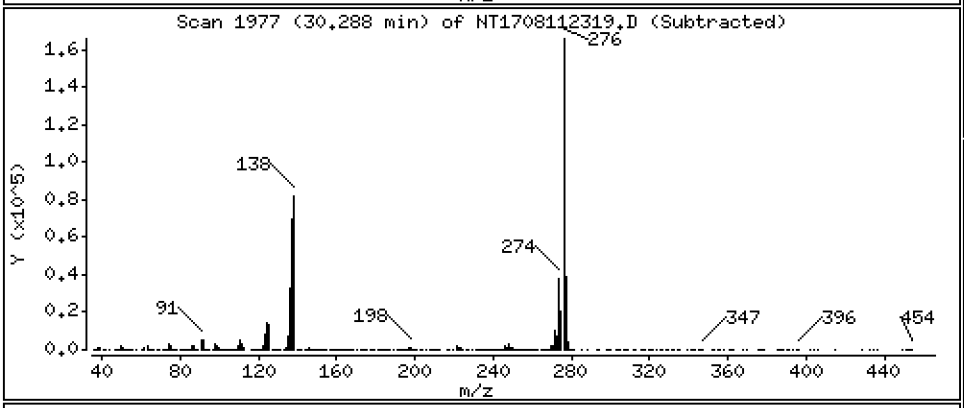
Operator: JGR

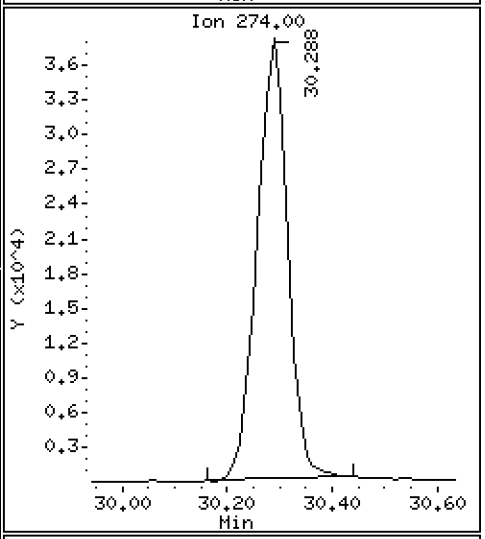
Column phase: ZB-5msi Column diameter: 0.25

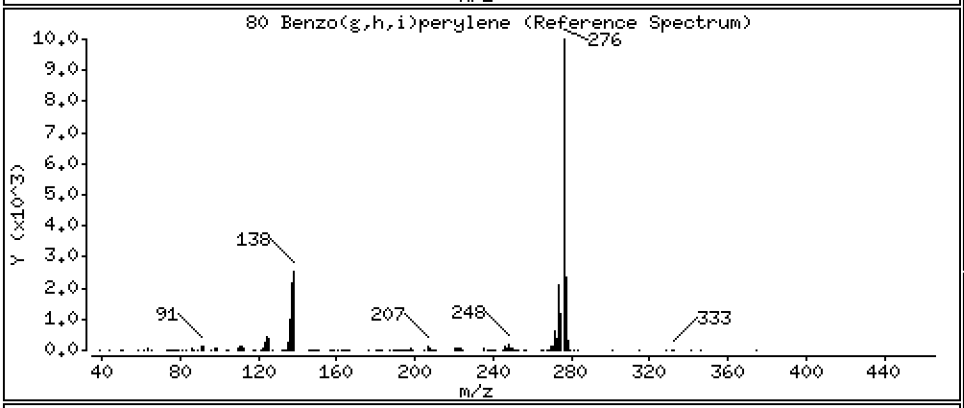
80 Benzo(g,h,i)perylene Concentration: 4.784 ug/mL

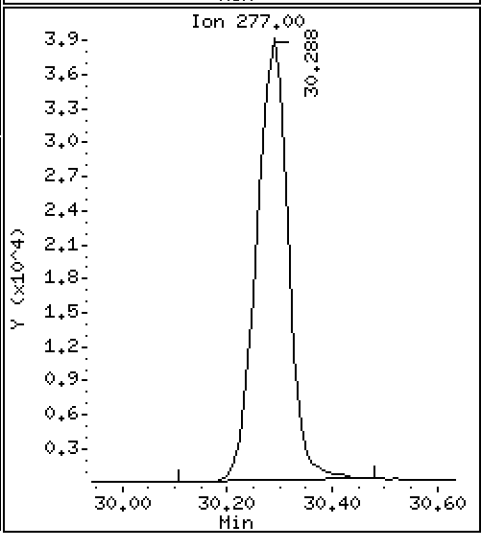


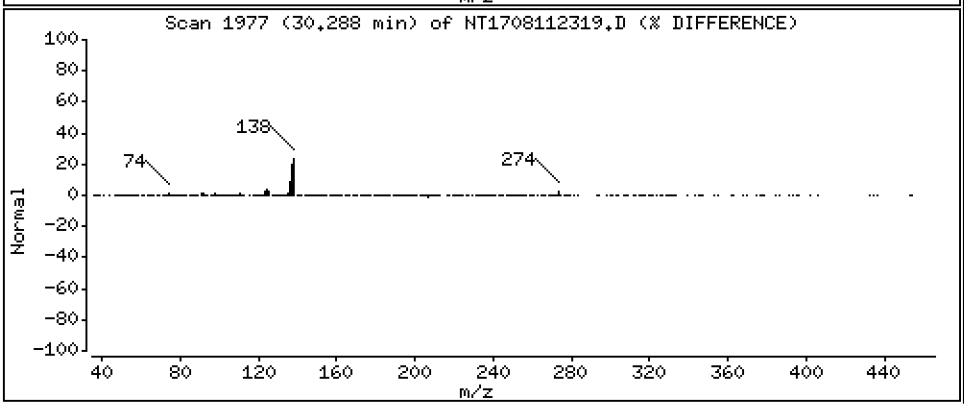












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

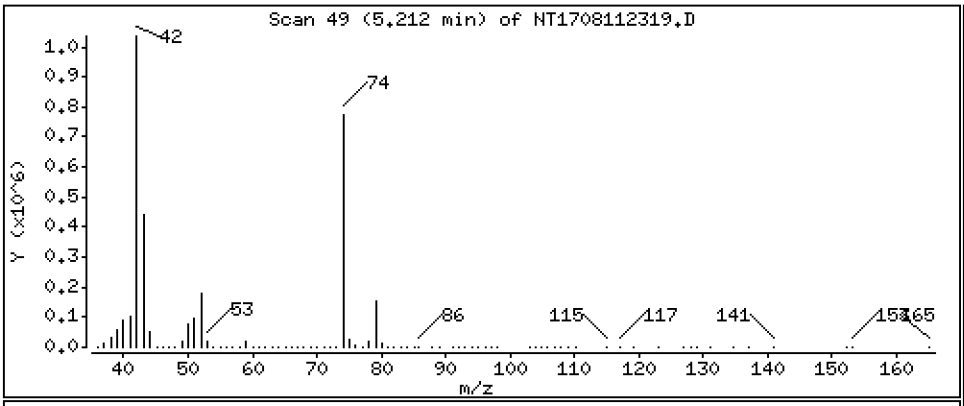
Operator: JGR

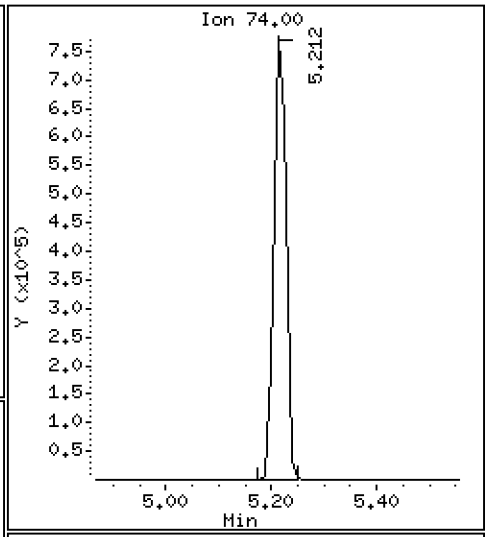
Column phase: ZB-5msi

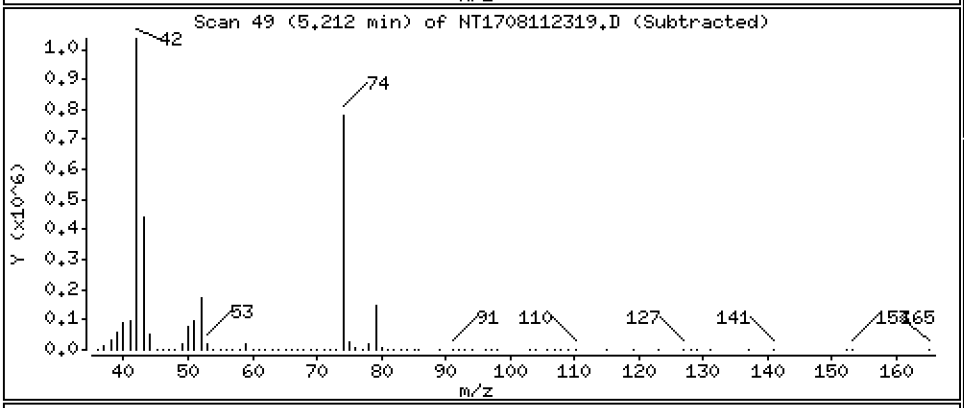
Column diameter: 0.25

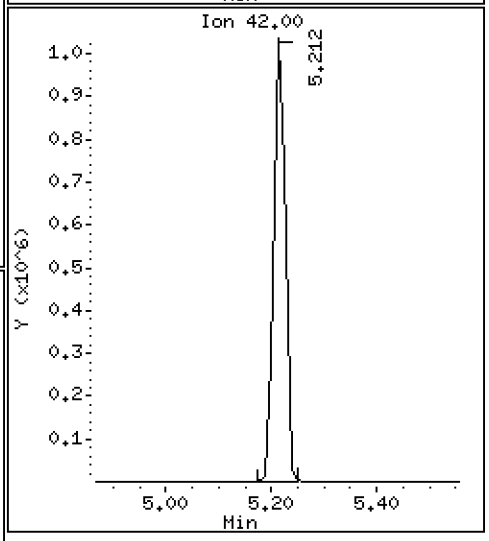
90 N-Nitrosodimethylamine

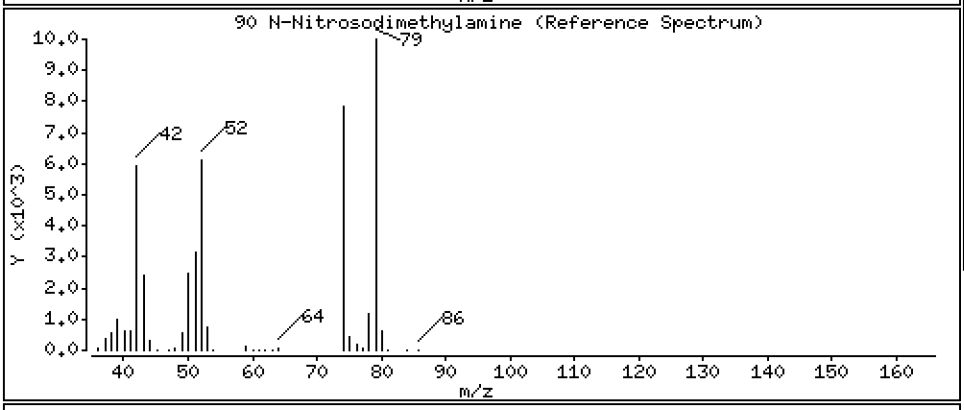
Concentration: 10.36 ug/mL

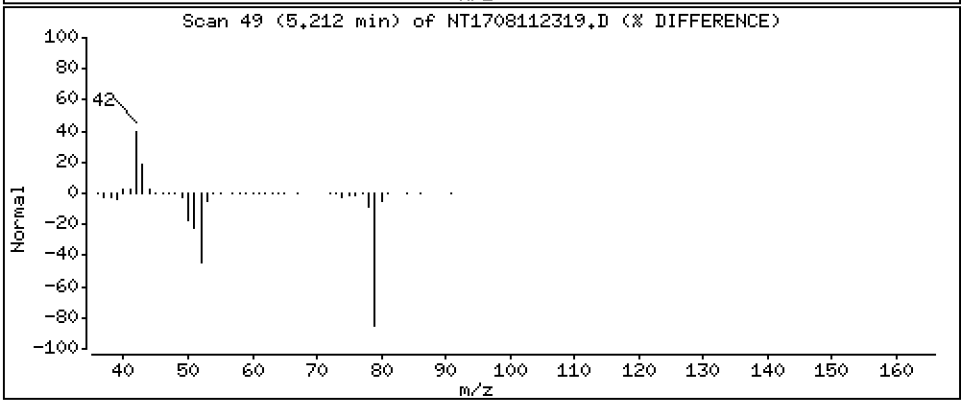












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

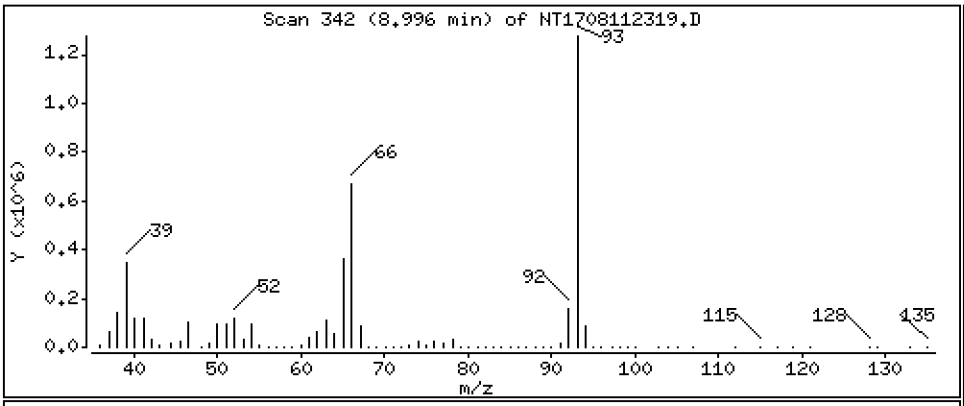
Operator: JGR

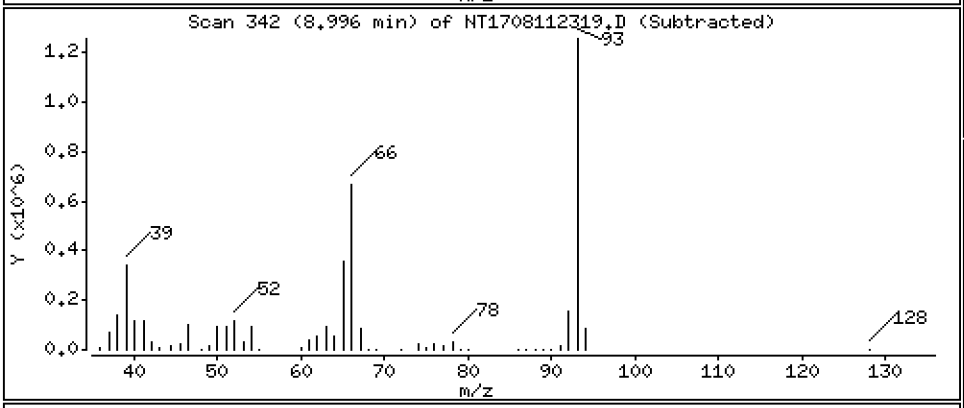
Column phase: ZB-5msi

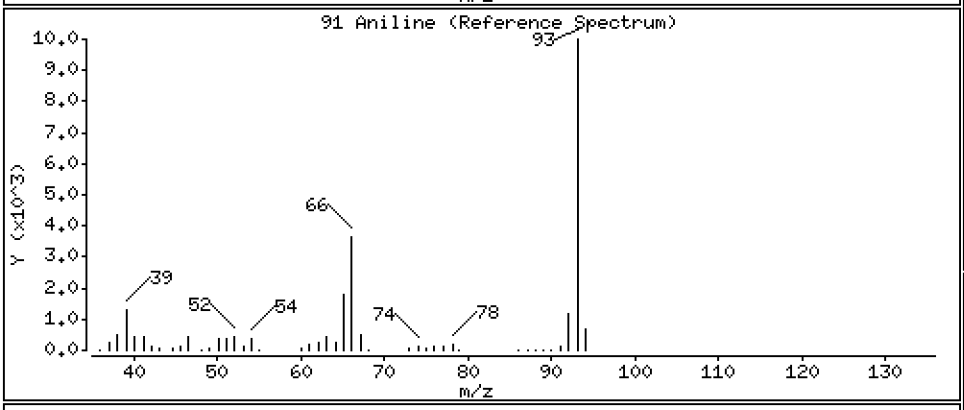
Column diameter: 0.25

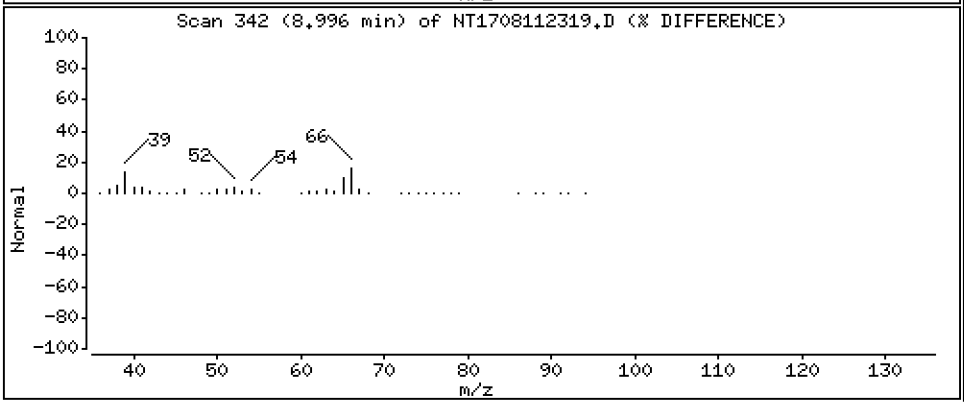
91 Aniline

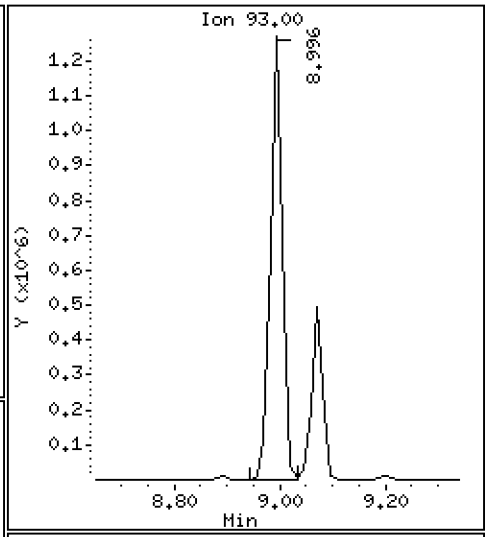
Concentration: 10.51 ug/mL

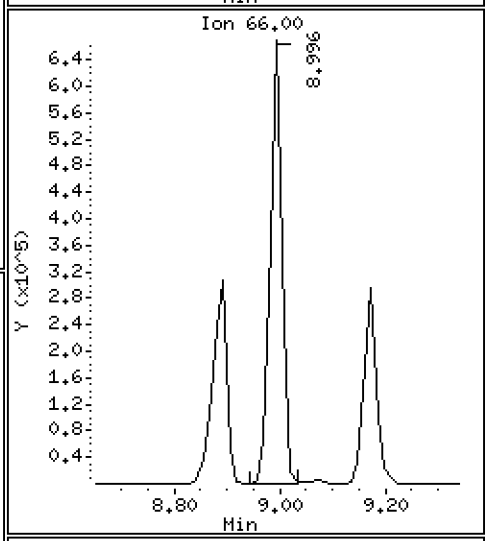


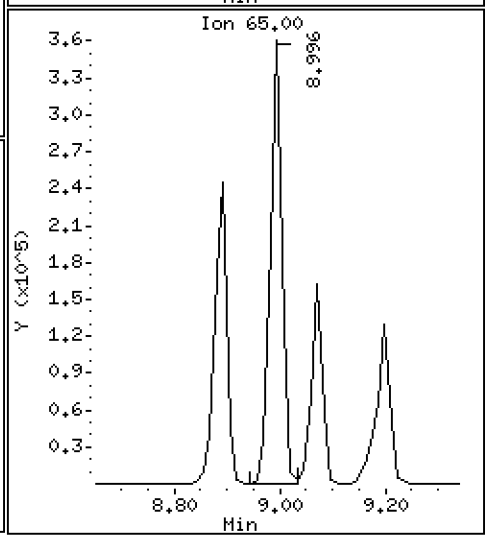












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Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

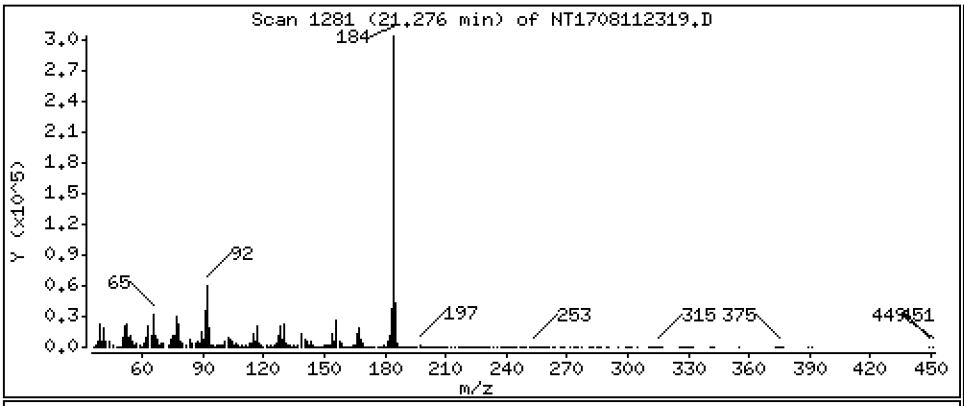
Operator: JGR

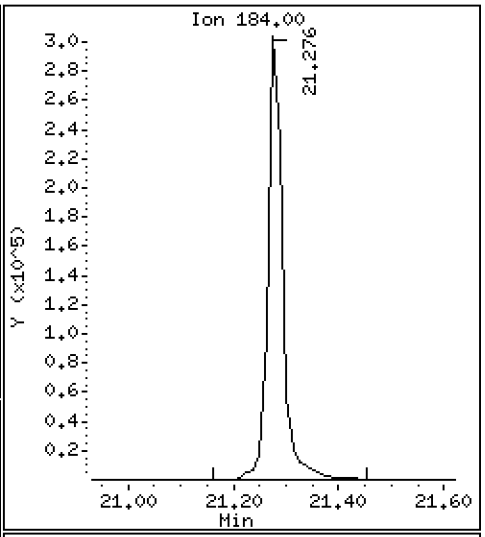
Column phase: ZB-5msi

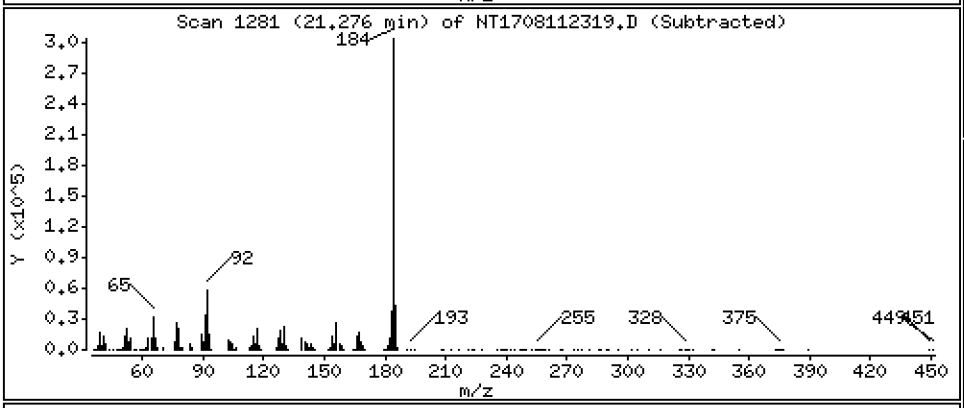
Column diameter: 0.25

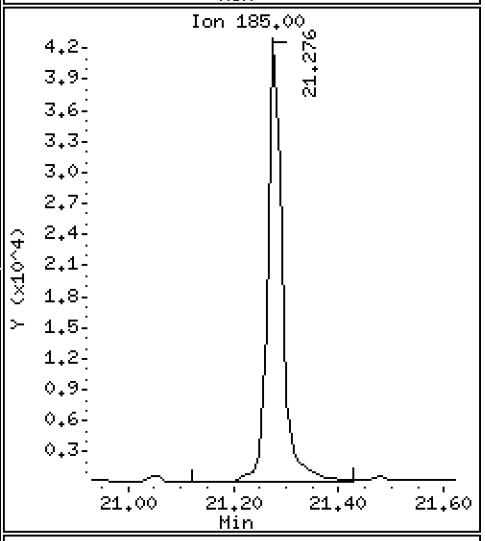
93 Benzidine

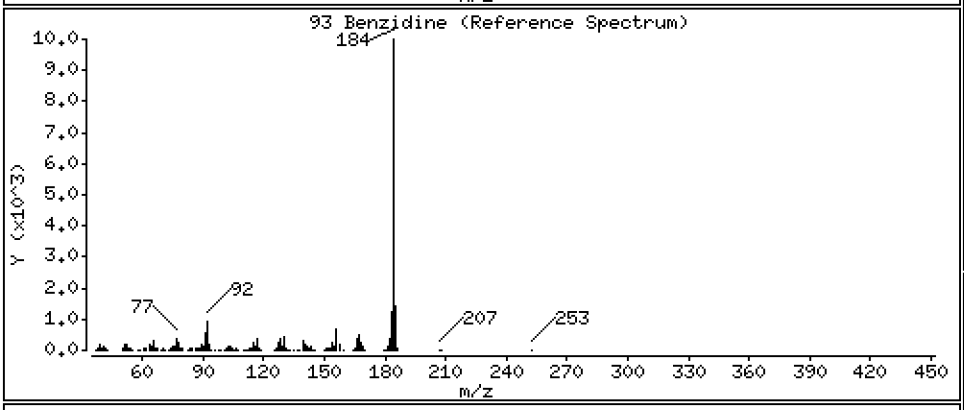
Concentration: 5.575 ug/mL

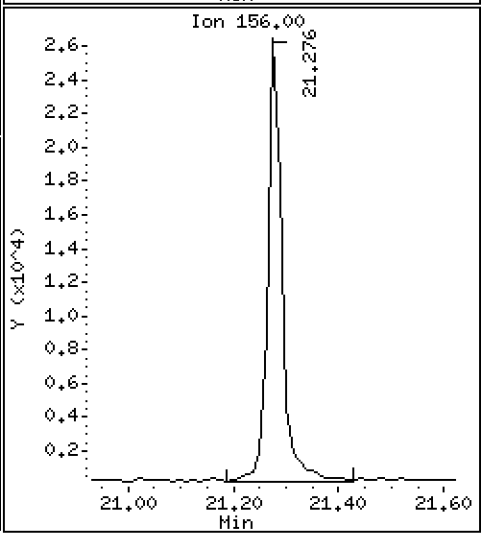


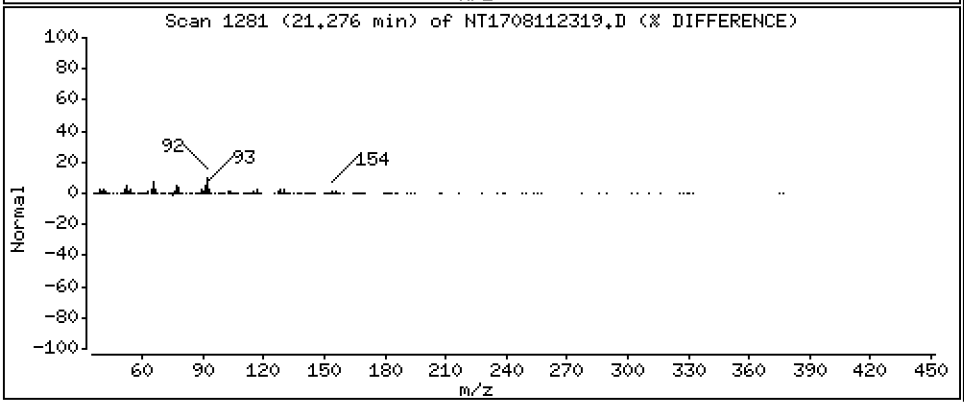












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

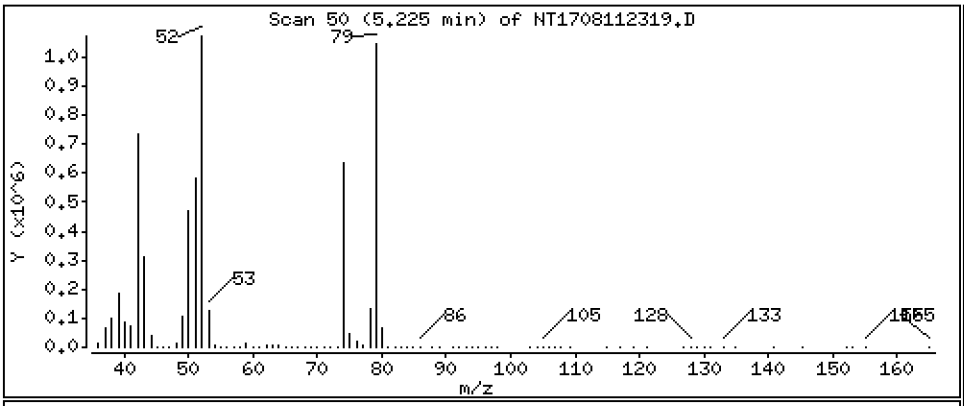
Operator: JGR

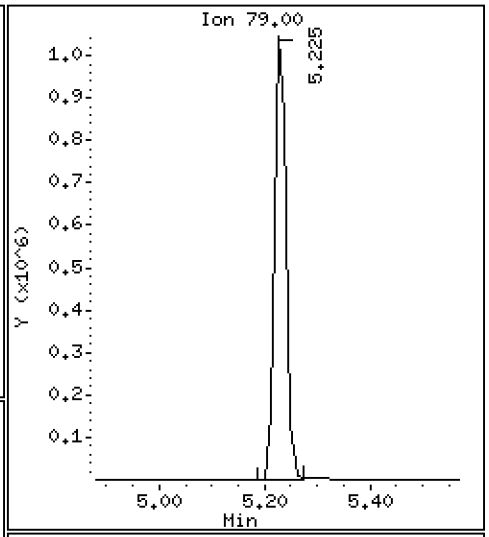
Column phase: ZB-5msi

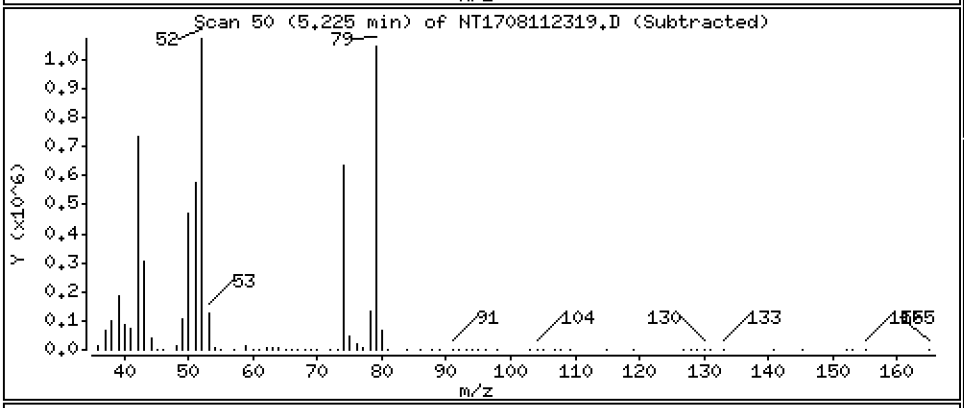
Column diameter: 0.25

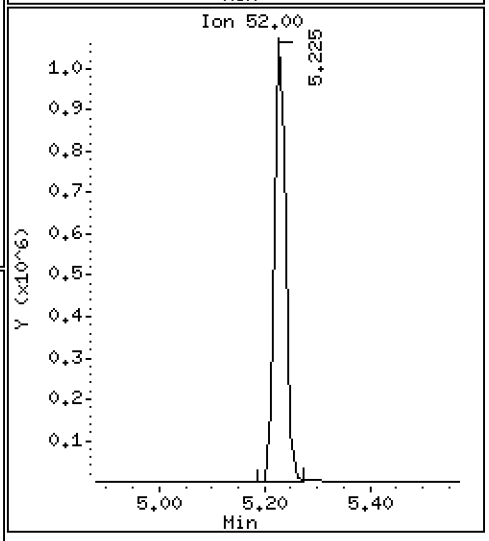
103 Pyridine

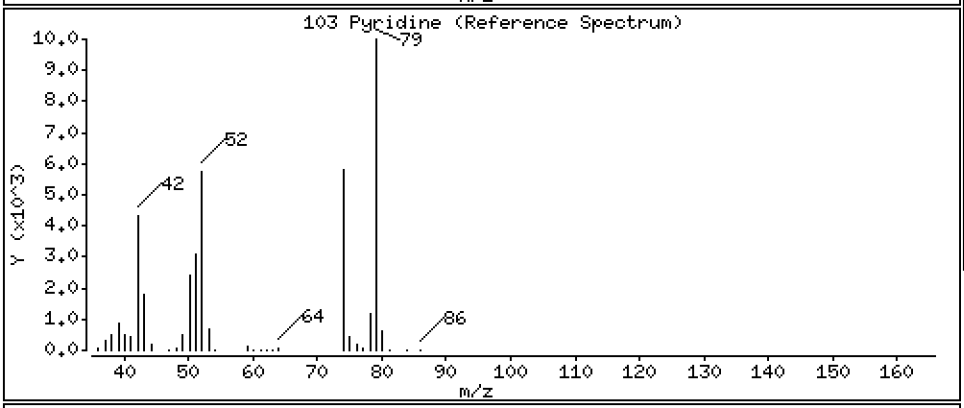
Concentration: 9.689 ug/mL

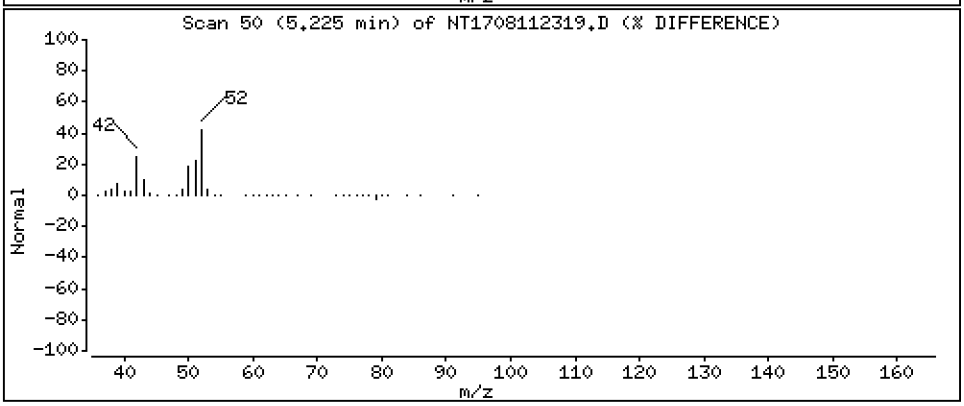












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Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

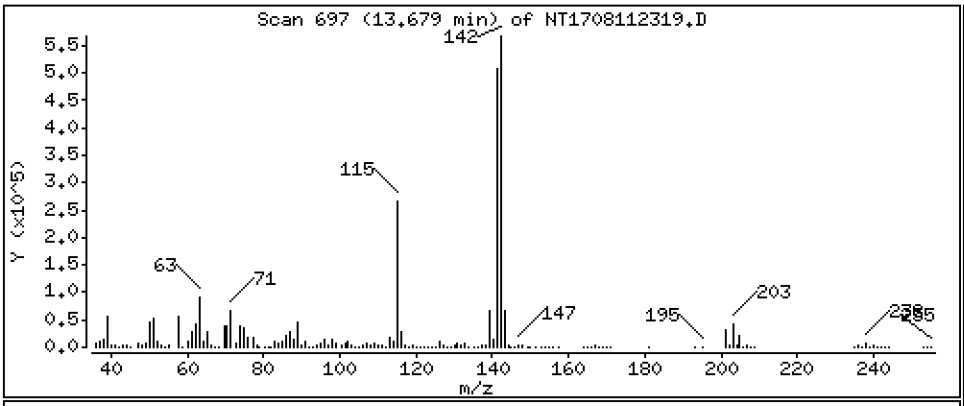
Operator: JGR

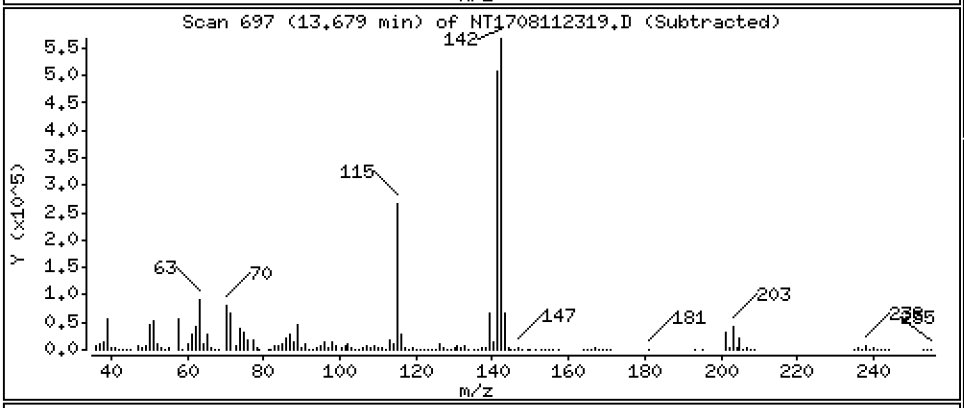
Column phase: ZB-5msi

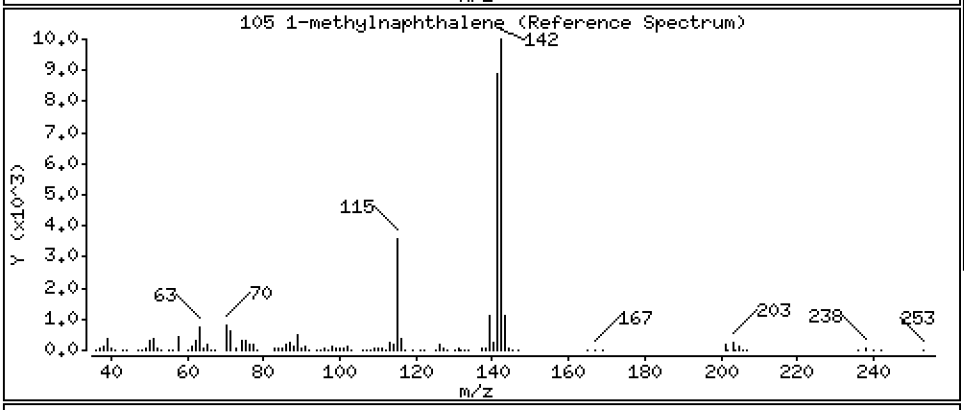
Column diameter: 0.25

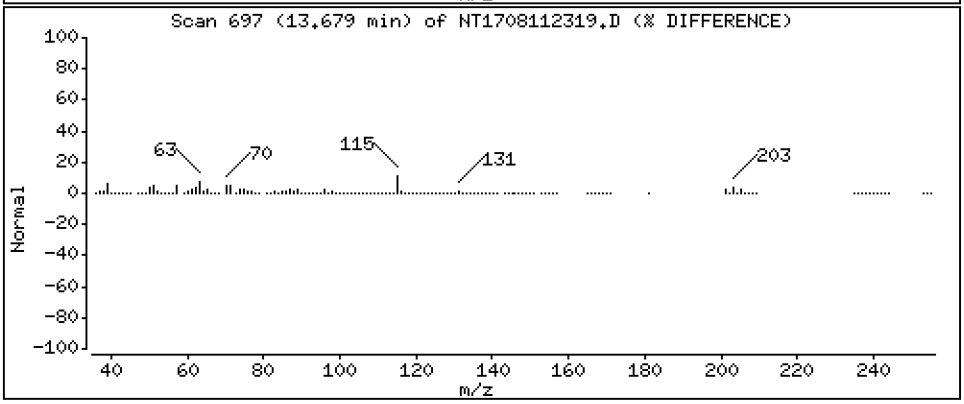
105 1-methylnaphthalene

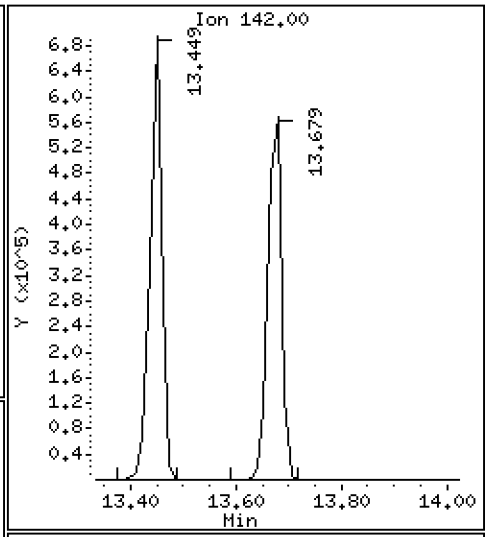
Concentration: 5.337 ug/mL

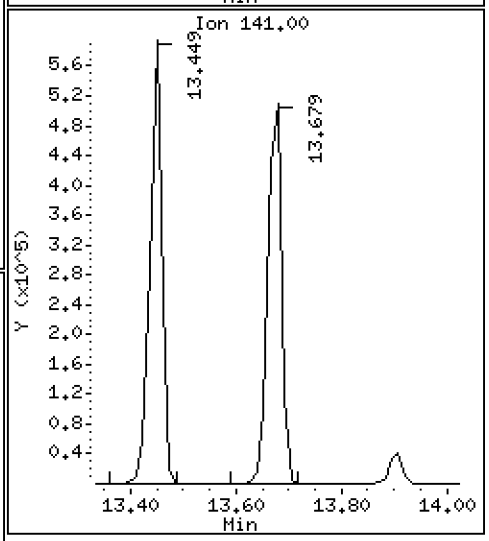












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Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

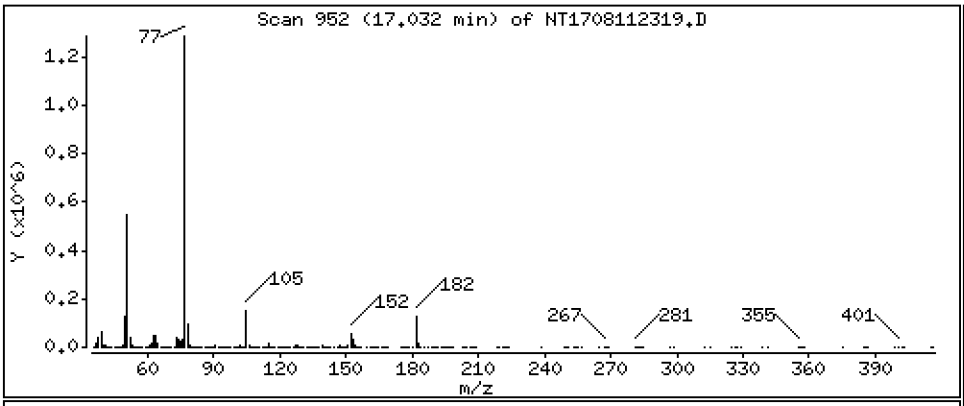
Operator: JGR

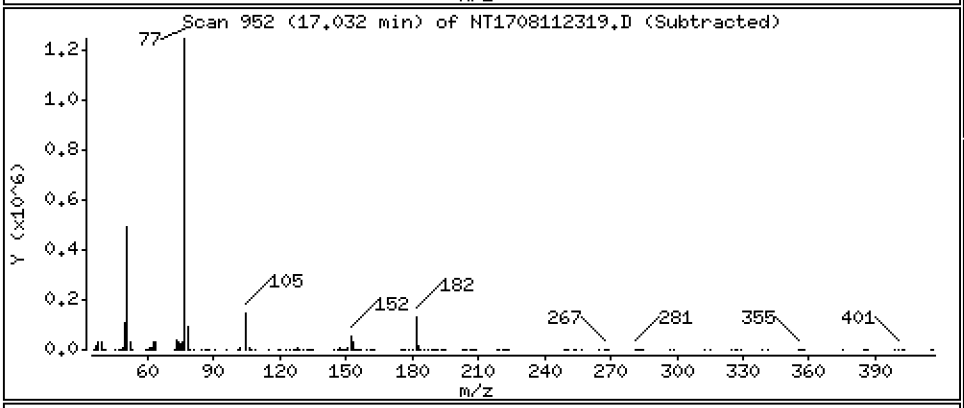
Column phase: ZB-5msi

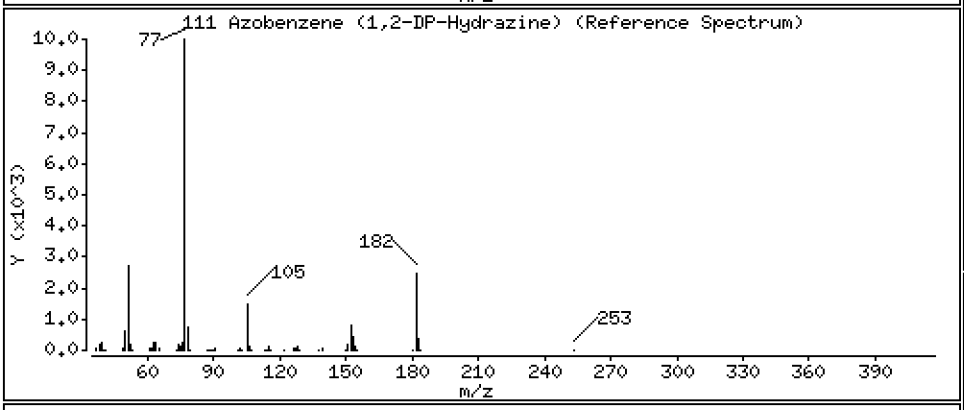
Column diameter: 0.25

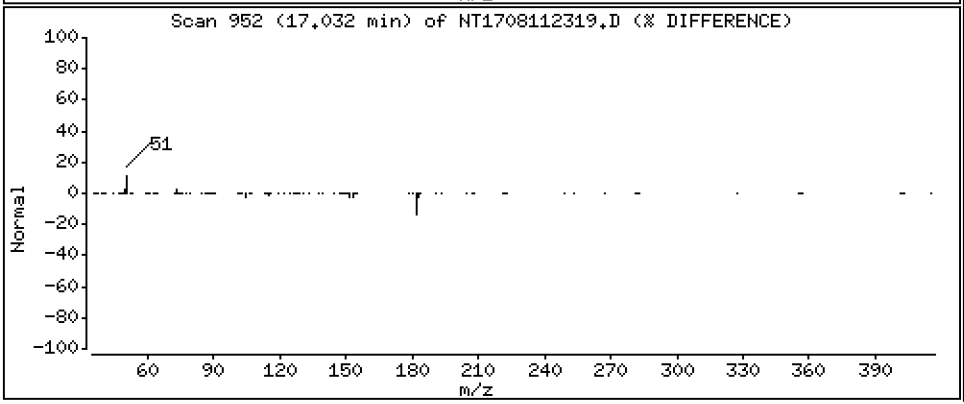
111 Azobenzene (1,2-DP-Hydrazine)

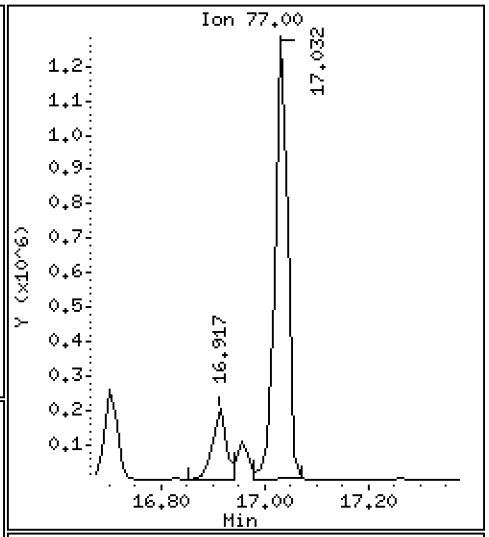
Concentration: 5.650 ug/mL

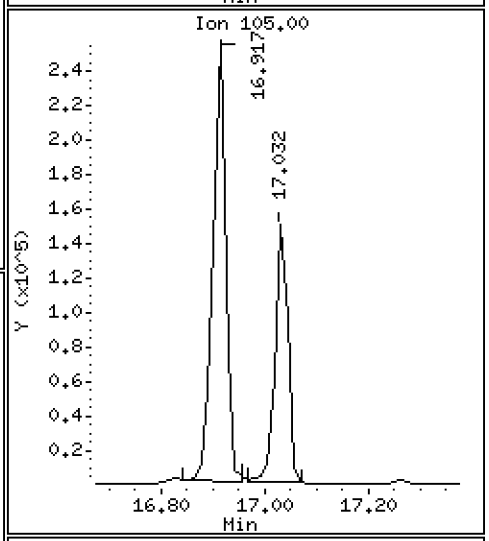


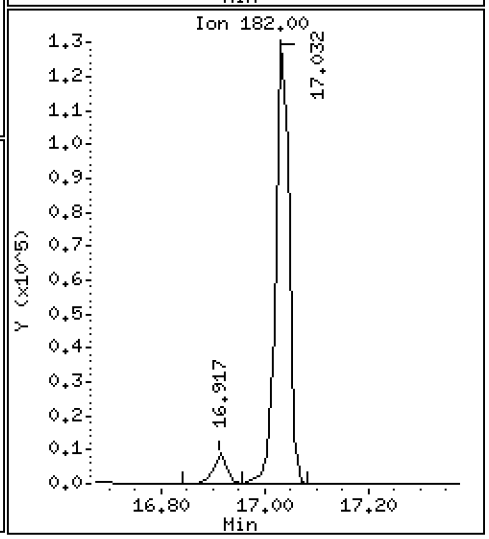












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Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

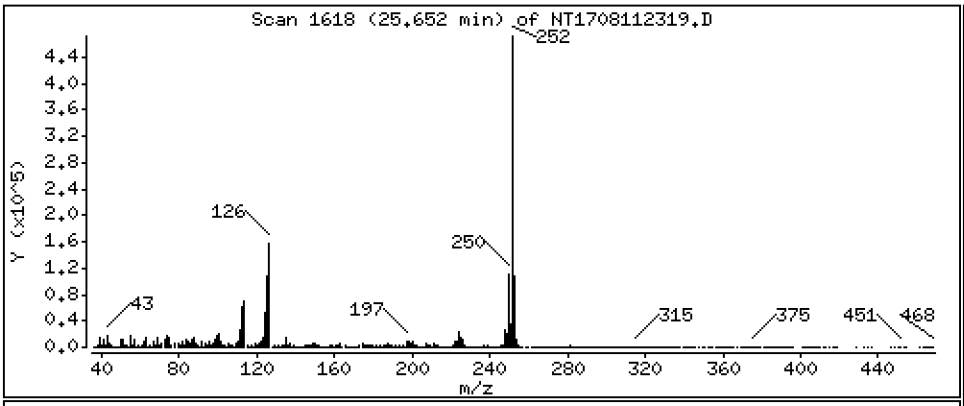
Operator: JGR

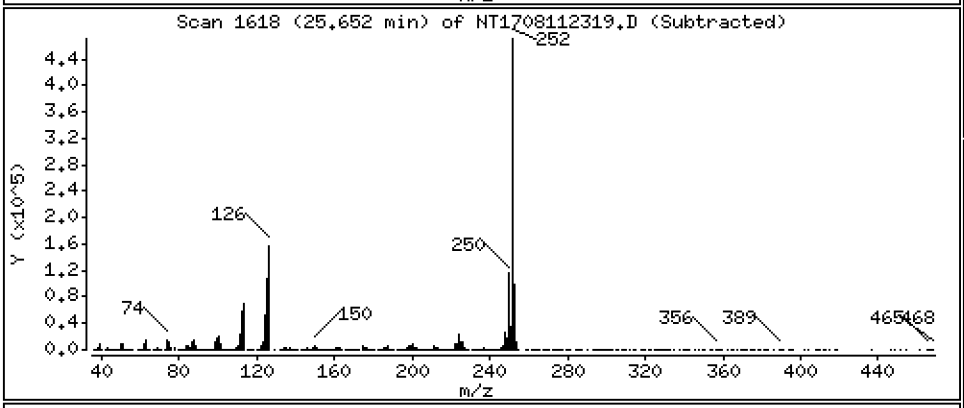
Column phase: ZB-5msi

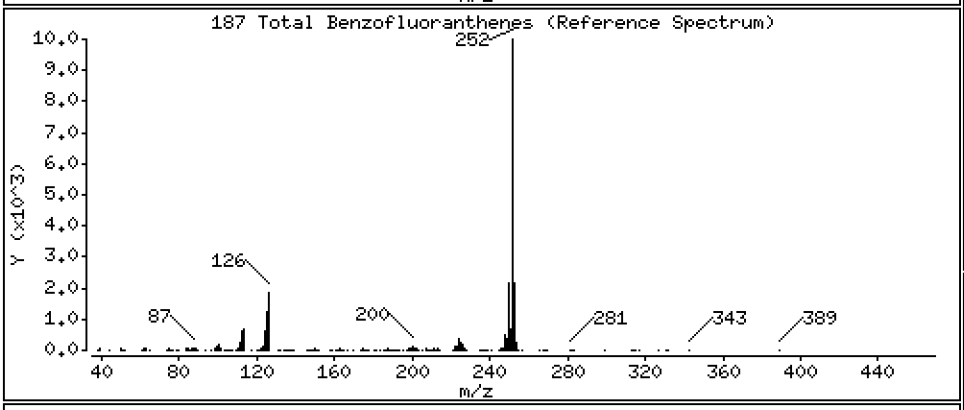
Column diameter: 0.25

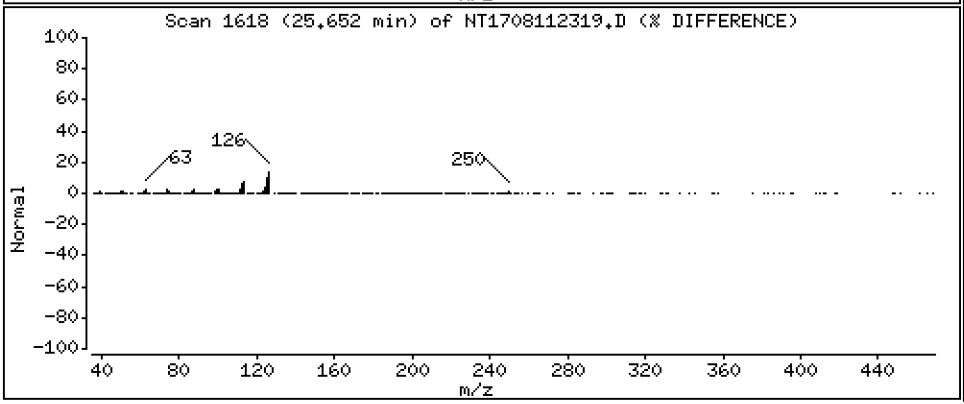
187 Total Benzofluoranthenes

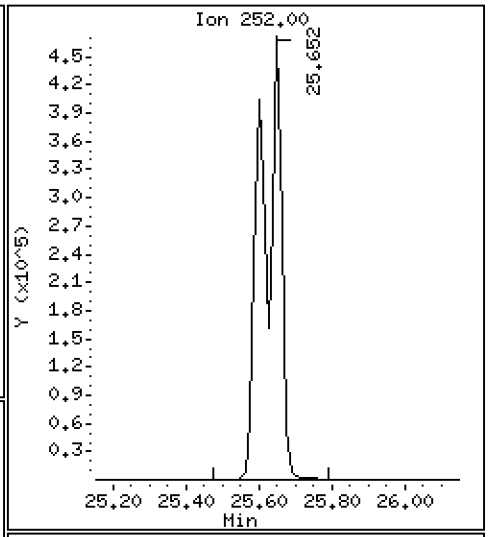
Concentration: 10.16 ug/mL

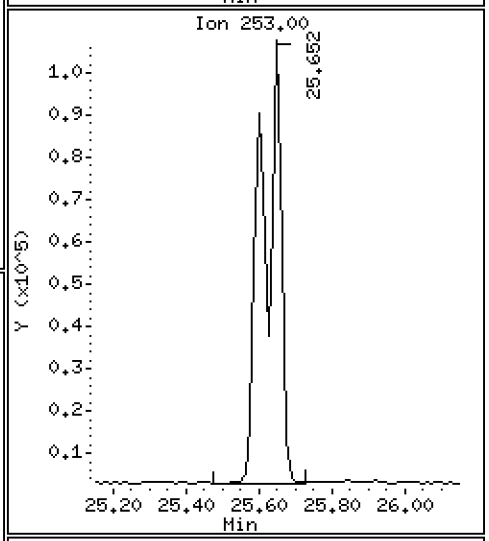


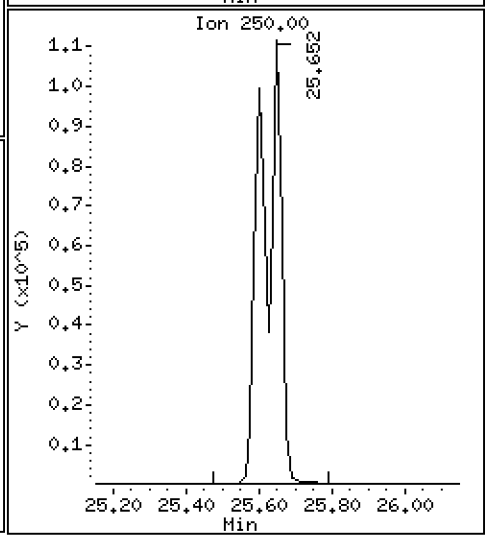












Data File: \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D

Date : 11-AUG-2023 23:25

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV1

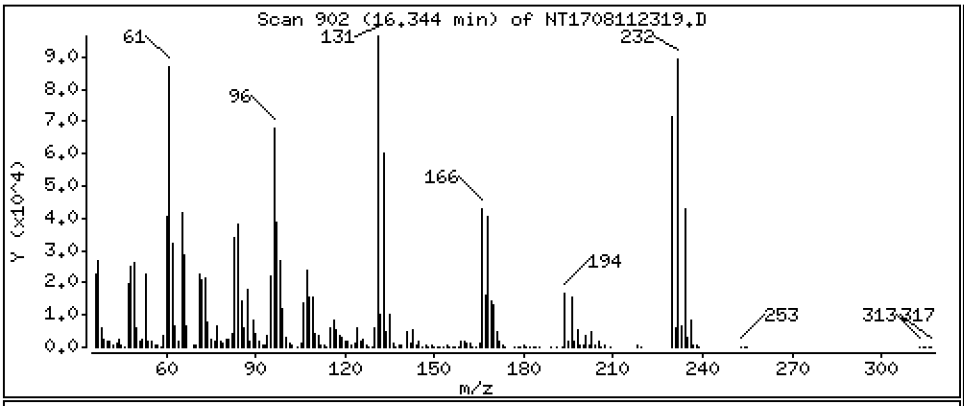
Operator: JGR

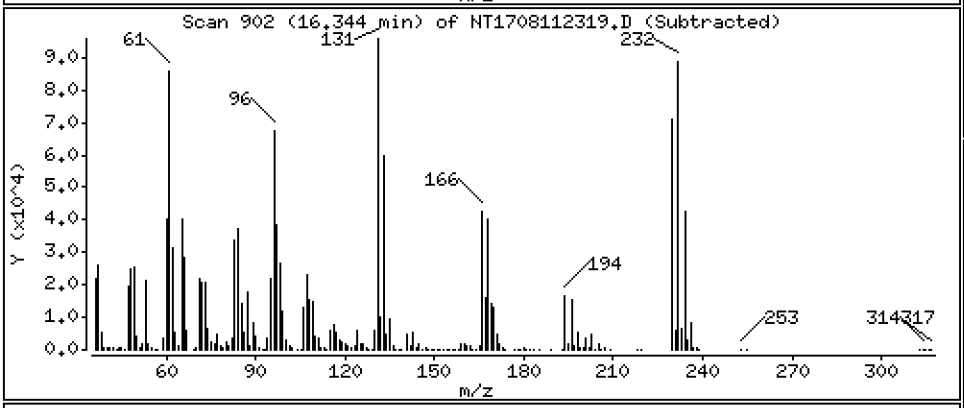
Column phase: ZB-5msi

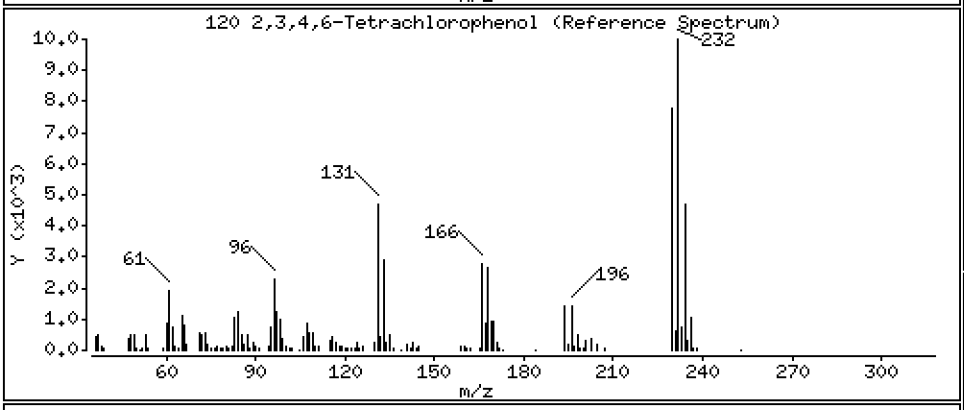
Column diameter: 0.25

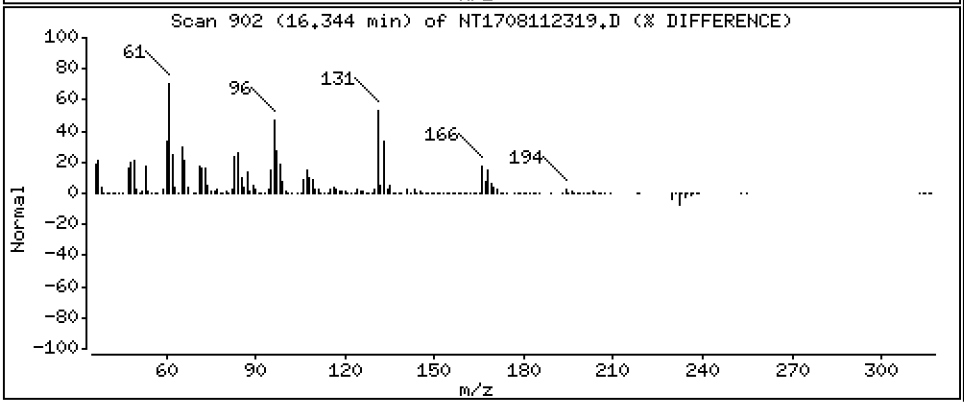
120 2,3,4,6-Tetrachlorophenol

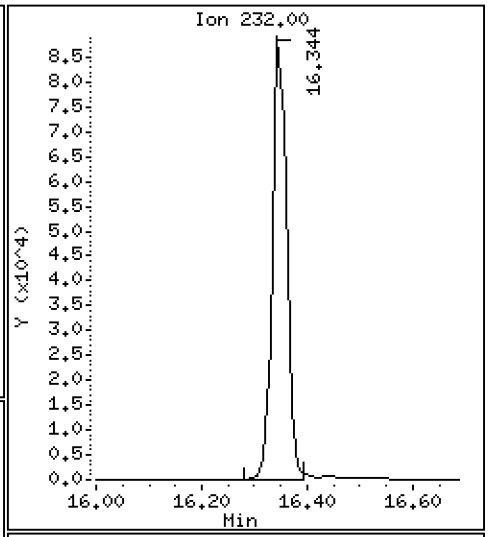
Concentration: 4.419 ug/mL

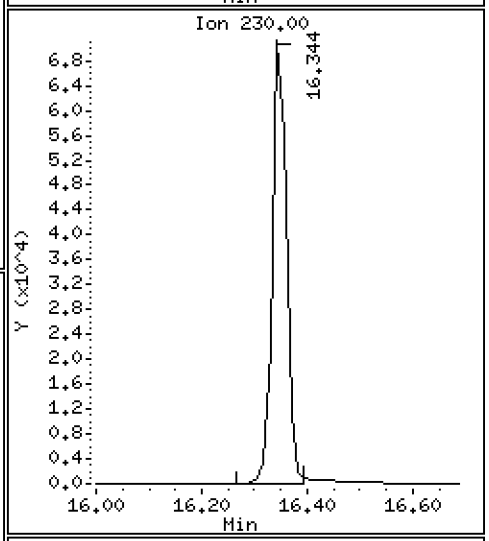


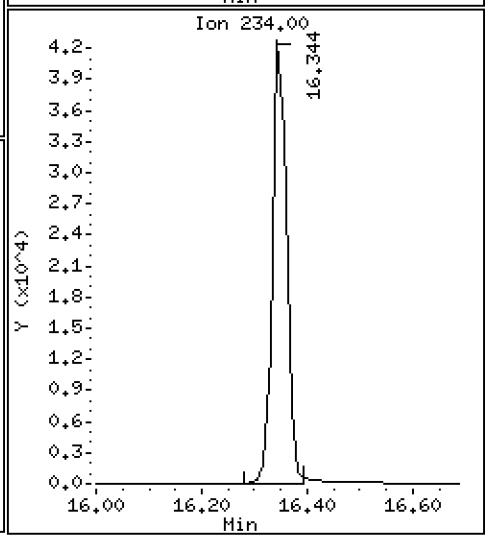












ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt17.i\20230811.b\NT1708112319.D
Lab Smp Id: SEQ-CCV1
Inj Date : 11-AUG-2023 23:25
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-CCV1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt17.i\20230811.b\ABN.m
Meth Date : 17-Aug-2023 10:28 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:16 Cal File: NT1708102308.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 4.14
Processing Host: JOSHR-201909

							CONCENTRATIONS	
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	7.301	7.301	(0.766)	932573	7.96047	7.960
$	2 Phenol-d5	99	8.868	8.868	(0.930)	1340180	8.03449	8.034
	3 Phenol	94	8.893	8.880	(0.933)	889049	5.14476	5.145
$	5 2-Chlorophenol-d4	132	9.173	9.173	(0.963)	813181	7.82965	7.830
	4 Bis(2-Chloroethyl)ether	93	9.072	9.072	(0.952)	711149	5.04983	5.050
	6 2-Chlorophenol	128	9.199	9.199	(0.965)	526266	5.08059	5.081
	7 1,3-Dichlorobenzene	146	9.467	9.467	(0.993)	547665	4.99906	4.999
*	8 1,4-Dichlorobenzene-d4	152	9.531	9.531	(1.000)	259047	4.00000	
	9 1,4-Dichlorobenzene	146	9.569	9.569	(1.004)	526822	4.97113	4.971
$	10 1,2-Dichlorobenzene-d4	152	9.901	9.901	(1.039)	322663	4.98989	4.990
	12 1,2-Dichlorobenzene	146	9.927	9.927	(1.042)	518724	5.00836	5.008
	11 Benzyl alcohol	108	9.799	9.786	(1.028)	419440	5.35477	5.355
	14 2,2'-oxybis(1-Chloropropane)	121	10.093	10.093	(1.059)	181232	5.22874	5.229
	13 2-Methylphenol	108	10.003	10.003	(1.050)	589707	5.24893	5.249
	17 Hexachloroethane	117	10.515	10.514	(1.103)	286083	5.23053	5.231
	16 N-Nitroso-di-n-propylamine	70	10.348	10.348	(1.086)	738111	5.71633	5.716
	15 4-Methylphenol	108	10.272	10.272	(1.078)	798846	5.02526	5.025
$	18 Nitrobenzene-d5	82	10.629	10.629	(0.884)	974349	5.76336	5.763
	19 Nitrobenzene	77	10.668	10.668	(0.887)	1016950	5.59913	5.599
	20 Isophorone	82	11.102	11.102	(0.924)	1558517	5.56458	5.565
	21 2-Nitrophenol	139	11.294	11.294	(0.940)	270071	4.95045	4.950
	22 2,4-Dimethylphenol	107	11.319	11.319	(0.942)	1252382	10.0294	10.03
	23 Bis(2-Chloroethoxy)methane	93	11.523	11.523	(0.959)	768667	5.23374	5.234
	24 Benzoic acid	105	11.549	11.549	(0.961)	1916557	17.7379	17.74
	25 2,4-Dichlorophenol	162	11.741	11.728	(0.977)	674716	10.2821	10.28
	26 1,2,4-Trichlorobenzene	180	11.932	11.932	(0.993)	363694	4.90459	4.905
*	27 Naphthalene-d8	136	12.021	12.021	(1.000)	1087673	4.00000	
	28 Naphthalene	128	12.059	12.059	(1.003)	1493820	5.04973	5.050
	29 4-Chloroaniline	127	12.186	12.186	(1.014)	1372061	10.1852	10.19
	30 Hexachlorobutadiene	225	12.403	12.403	(1.032)	164250	4.81915	4.819
	31 4-Chloro-3-methylphenol	107	13.117	13.117	(1.091)	1130930	9.26572	9.266
	32 2-Methylnaphthalene	142	13.449	13.449	(1.119)	1081405	5.27985	5.280
	33 Hexachlorocyclopentadiene	237	13.908	13.908	(0.890)	275384	5.81090	5.811

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)
	34	2,4,6-Trichlorophenol	196	14.061	14.061	(0.900)	448266	8.55250	8.553
	35	2,4,5-Trichlorophenol	196	14.137	14.137	(0.905)	481409	10.1193	10.12
$	36	2-Fluorobiphenyl	172	14.227	14.227	(0.910)	914768	4.96611	4.966
	37	2-Chloronaphthalene	162	14.444	14.443	(0.924)	862341	5.17327	5.173
	38	2-Nitroaniline	65	14.699	14.699	(0.940)	1352393	10.0491	10.05
	39	Dimethylphthalate	163	15.120	15.119	(0.967)	920899	5.29773	5.298
	40	Acenaphthylene	152	15.324	15.324	(0.980)	1337922	5.21424	5.214
	41	2,6-Dinitrotoluene	165	15.273	15.273	(0.977)	404867	10.7156	10.72
*	42	Acenaphthene-d10	164	15.630	15.630	(1.000)	498072	4.00000	
	43	3-Nitroaniline	138	15.553	15.553	(0.995)	564469	9.14265	9.143
	44	Acenaphthene	153	15.693	15.693	(1.004)	813613	5.05017	5.050
	45	2,4-Dinitrophenol	184	15.770	15.770	(1.009)	464968	20.1160	20.12
	46	Dibenzofuran	168	16.025	16.025	(1.025)	1114089	5.09123	5.091
	47	4-Nitrophenol	109	15.846	15.846	(1.014)	395170	8.98406	8.984
	48	2,4-Dinitrotoluene	165	16.076	16.076	(1.029)	551980	9.26688	9.267
	50	Diethylphthalate	149	16.560	16.560	(1.060)	1173418	5.25899	5.259
	49	Fluorene	166	16.726	16.726	(1.070)	879833	5.02314	5.023
	51	4-Chlorophenyl-phenylether	204	16.713	16.713	(1.069)	396575	5.01276	5.013
	52	4-Nitroaniline	138	16.827	16.827	(1.077)	573171	11.6058	11.61
	53	4,6-Dinitro-2-methylphenol	198	16.916	16.916	(0.906)	514678	17.2283	17.23
	54	N-Nitrosodiphenylamine	169	16.955	16.955	(0.909)	599076	4.97065	4.971
$	55	2,4,6-Tribromophenol	330	17.273	17.260	(1.105)	117101	7.55865	7.559
	56	4-Bromophenyl-phenylether	248	17.705	17.705	(0.949)	169883	5.12661	5.127
	57	Hexachlorobenzene	284	18.037	18.037	(0.967)	177786	4.86529	4.865
	58	Pentachlorophenol	266	18.394	18.381	(0.986)	211171	9.51183	9.512
*	59	Phenanthrene-d10	188	18.662	18.662	(1.000)	797447	4.00000	
	60	Phenanthrene	178	18.713	18.713	(1.003)	1160002	5.03219	5.032
	61	Anthracene	178	18.802	18.802	(1.008)	1125730	5.44504	5.445
	62	Carbazole	167	19.121	19.121	(1.025)	1124240	5.24888	5.249
	63	Di-n-butylphthalate	149	19.860	19.860	(1.064)	1851164	4.82919	4.829
	64	Fluoranthene	202	21.059	21.059	(0.891)	1173686	5.44398	5.444
	65	Pyrene	202	21.480	21.480	(0.908)	1235357	5.48458	5.485
$	66	Terphenyl-d14	244	21.735	21.735	(0.919)	816139	5.12750	5.128
	67	Butylbenzylphthalate	149	22.641	22.641	(0.957)	832640	5.37913	5.379
	68	Benzo(a)anthracene	228	23.610	23.610	(0.998)	998699	4.92892	4.929
*	69	Chrysene-d12	240	23.649	23.648	(1.000)	526634	4.00000	
	70	3,3'-Dichlorobenzidine	252	23.559	23.559	(0.996)	940645	15.2639	15.26
	71	Chrysene	228	23.687	23.687	(1.002)	866186	4.99178	4.992
	72	bis(2-Ethylhexyl)phthalate	149	23.636	23.636	(0.959)	1216075	4.79262	4.793
*	134	Di-n-octylphthalate-d4	153	24.644	24.643	(1.000)	1541890	4.00000	
	73	Di-n-octylphthalate	149	24.656	24.656	(1.001)	2011445	4.82995	4.830
	74	Benzo(b)fluoranthene	252	25.600	25.600	(0.968)	903581	4.12374	4.124
	75	Benzo(k)fluoranthene	252	25.651	25.651	(0.970)	938170	5.05136	5.051
	76	Benzo(a)pyrene	252	26.327	26.327	(0.995)	722771	4.30587	4.306
*	77	Perylene-d12	264	26.455	26.455	(1.000)	502656	4.00000	
	78	Indeno(1,2,3-cd)pyrene	276	29.406	29.406	(1.112)	842384	4.10134	4.101
	79	Dibenzo(a,h)anthracene	278	29.419	29.419	(1.112)	728246	4.03960	4.040
	80	Benzo(g,h,i)perylene	276	30.288	30.288	(1.145)	673649	4.78425	4.784(M)
	90	N-Nitrosodimethylamine	74	5.211	5.211	(0.547)	1259794	10.3647	10.36
	91	Aniline	93	8.995	8.995	(0.944)	1979432	10.5111	10.51
	93	Benzidine	184	21.276	21.276	(0.900)	596887	5.57542	5.575
	103	Pyridine	79	5.224	5.224	(0.548)	1683655	9.68903	9.689
	105	1-methylnaphthalene	142	13.678	13.678	(1.138)	1002369	5.33700	5.337
	111	Azobenzene (1,2-DP-Hydrazine)	77	17.031	17.031	(1.090)	2144047	5.64974	5.650

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.651	25.651	(0.970)	1743780	10.1619	10.16
120 2,3,4,6-Tetrachlorophenol	232	16.343	16.343	(1.046)	162059	4.41888	4.419

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708112319.D
Lab Smp Id: SEQ-CCV1
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230811.b\ABN.m
Misc Info:

Calibration Date: 11-AUG-2023
Calibration Time: 12:50
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	243724	121862	487448	259047	6.29
27 Naphthalene-d8	1014927	507464	2029854	1087673	7.17
42 Acenaphthene-d10	473303	236652	946606	498072	5.23
59 Phenanthrene-d10	780320	390160	1560640	797447	2.19
69 Chrysene-d12	509205	254603	1018410	526634	3.42
134 Di-n-octylphthala	1278671	639336	2557342	1541890	20.59
77 Perylene-d12	502984	251492	1005968	502656	-0.07

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.53	9.03	10.03	9.53	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.66	0.00
69 Chrysene-d12	23.65	23.15	24.15	23.65	0.00
134 Di-n-octylphthala	24.64	24.14	25.14	24.64	0.00
77 Perylene-d12	26.46	25.96	26.96	26.46	0.00

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

REVIEW SUMMARY FOR FILE - NT1708112319.D

Lab ID: SEQ-CCV1
nt17.i, ABN.m, 11-AUG-2023 23:25

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND

NONE

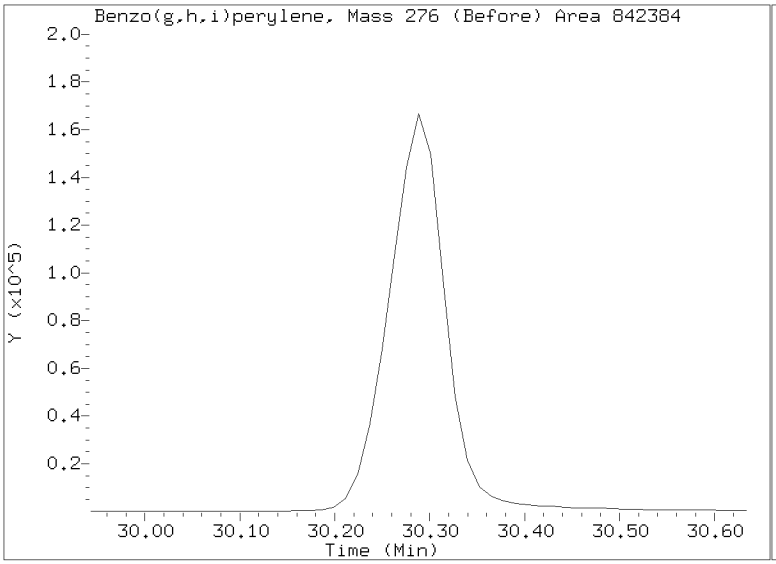
RRT check based on Ccal File: NT1708112302.D

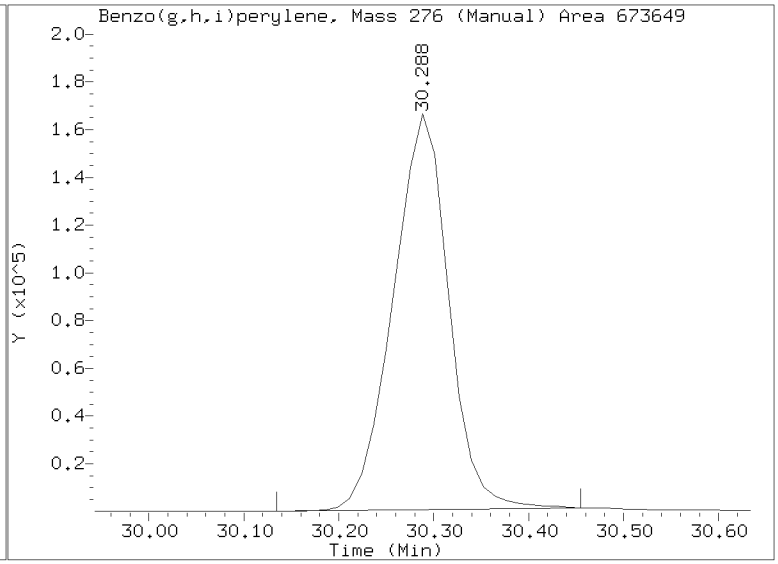
On Column LOD for nt17.i, ABN.m, ICAL.sub = 0.0000

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

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230811.b/NT1708112319.D
Injection Date: 11-AUG-2023 23:25
Lab ID:SEQ-CCV1 Client ID:
Report Date: 08/17/2023 10:32





Q-FLAG SUMMARY FOR DATABATCH - \\target\share\chem3\nt17.i\20230811.b

Instrument: nt17.i Date: 11-AUG-2023 Method: ABN.m

INITIAL CAL: 10-AUG-2023

Compound	%RSD or R^2
Isophorone	21.1

ICV CAL: NT1708112319.D 11-AUG-2023 23:25

Compound	%D
Isophorone	41.95
Hexachlorocyclopentadiene	-41.9
Benzidine	-44.2

Analytical Resources, LLC
Analytical Chemists and Consultants

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Sequence:	SLH0216	Instrument:	NT17
		Calibration:	GH00044

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
MS Tune	SLH0216-TUN1	NT1708102301.D	NA	08/10/23 12:15
ABN 20	SLH0216-CAL7	NT1708102302.D	NA	08/10/23 12:32
ABN 10	SLH0216-CAL6	NT1708102303.D	NA	08/10/23 13:09
ABN 5	SLH0216-CAL5	NT1708102304.D	NA	08/10/23 13:47
ABN 2.5	SLH0216-CAL4	NT1708102305.D	NA	08/10/23 14:24
ABN 1.0	SLH0216-CAL3	NT1708102306.D	NA	08/10/23 15:01
ABN 0.5	SLH0216-CAL2	NT1708102307.D	NA	08/10/23 15:38
ABN 0.2	SLH0216-CAL1	NT1708102308.D	NA	08/10/23 16:16
Initial Cal Blank	SLH0216-ICB1	NT1708102311.D	NA	08/10/23 18:08
SCV 5.0	SLH0216-SCV1	NT1708102312.D	NA	08/10/23 18:45

Analytical Resources, LLC
Analytical Chemists and Consultants

ANALYSIS SEQUENCE

SLH0216

Instrument: NT17
Calibration ID: GH00044

Printed: 8/16/2023 2:02:25PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
SLH0216-TUN1	QC		1		L005045			
SLH0216-CAL7	QC		2		L009087	K010831		
SLH0216-CAL6	QC		3		L009088	K010831		
SLH0216-CAL5	QC		4		L009089	K010831		
SLH0216-CAL4	QC		5		L009090	K010831		
SLH0216-CAL3	QC		6		L009091	K010831		
SLH0216-CAL2	QC		7		L009092	K010831		
SLH0216-CAL1	QC		8		L009093	K010831		
SLH0216-ICB1	QC		9		L006701	K010831		
SLH0216-SCV1	QC		10		L008791	K010831		

Samples Loaded By Date

Data Processed By Date

INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt17.i\20230810.b

	Time	Filename	LabID	ClientId	DF													
1	1215	NT1708102301.D	SEQ-TUN1		1	|NO ISTDS FOUND||												
2	1232	NT1708102302.D			1	| 9.54	248539||	12.03	1046971||	15.64	481797||	18.68	766315||	23.66	563919||	26.47	494156||	24.66	1639808|
3	1309	NT1708102303.D			1	| 9.54	258334||	12.02	1083639||	15.63	490823||	18.66	778281||	23.65	538907||	26.46	498729||	24.64	1490155|
4	1347	NT1708102304.D			1	| 9.53	270862||	12.02	1109588||	15.63	499186||	18.66	798865||	23.65	542628||	26.46	520366||	24.64	1404894|
5	1424	NT1708102305.D			1	| 9.53	279603||	12.02	1138252||	15.63	511339||	18.66	821206||	23.64	560014||	26.46	537645||	24.64	1303728|
6	1501	NT1708102306.D			1	| 9.53	285056||	12.02	1172460||	15.63	524184||	18.66	841333||	23.64	559759||	26.46	544580||	24.64	1275950|
7	1538	NT1708102307.D			1	| 9.53	285060||	12.02	1165038||	15.63	522162||	18.66	832093||	23.64	559750||	26.44	545696||	24.64	1233596|
8	1616	NT1708102308.D			1	| 9.53	279556||	12.02	1135048||	15.63	497374||	18.66	793323||	23.64	535147||	26.44	524200||	24.64	1130847|
9	1653	NT1708102309.D	SEQ-SIM2		1	| 9.53	285401||	12.02	1145061||	15.63	496991||	18.66	796594||	23.64	530118||	26.44	524063||	24.64	1097356|
10	1730	NT1708102310.D	SEQ-SIM1		1	| 9.53	280781||	12.02	1124586||	15.63	488303||	18.66	777582||	23.64	516742||	26.44	508408||	24.64	1038554|
11	1808	NT1708102311.D	SEQ-ICB		1	| 9.53	251285||	12.02	1039519||	15.63	452450||	18.66	737850||	23.64	468082||	26.44	482731||	24.64	944103|
12	1845	NT1708102312.D	SEQ-SCV1		1	| 9.53	238152||	12.02	999397||	15.63	458301||	18.66	768042||	23.65	513664||	26.46	497389||	24.64	1284068|

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt17.i\20230810.b

ARI Job No.: SEQ- Method: DFTPP8270E.m Instrument: nt17.i Date: 10-AUG-2023

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1215	NT1708102301.D	SEQ-TUN1		1	NO MANUAL INTEGRATION
1232	NT1708102302.D			1	Benzoic acid, 1,2-Dichlorobenzene-d4,
1309	NT1708102303.D			1	Benzoic acid, 1,2-Dichlorobenzene-d4,
1347	NT1708102304.D			1	Benzoic acid, 1,2-Dichlorobenzene-d4,
1424	NT1708102305.D			1	Benzoic acid, 1,2-Dichlorobenzene-d4,
1501	NT1708102306.D			1	1,2-Dichlorobenzene-d4,
1538	NT1708102307.D			1	1,2-Dichlorobenzene-d4,
1616	NT1708102308.D			1	Benzoic acid, 1,2-Dichlorobenzene-d4,
1653	NT1708102309.D	SEQ-SIM2		1	NO MANUAL INTEGRATION
1730	NT1708102310.D	SEQ-SIM1		1	NO MANUAL INTEGRATION
1808	NT1708102311.D	SEQ-ICB		1	NO MANUAL INTEGRATION
1845	NT1708102312.D	SEQ-SCV1		1	Benzoic acid,

Security Status Report

Date: 16-Aug-2023 14:51

NT1708102301.D	Data Locked	jrains, 16-Aug-2023 14:51
NT1708102302.D	Data Locked	jrains, 16-Aug-2023 14:51
NT1708102303.D	Data Locked	jrains, 16-Aug-2023 14:51
NT1708102304.D	Data Locked	jrains, 16-Aug-2023 14:51
NT1708102305.D	Data Locked	jrains, 16-Aug-2023 14:51
NT1708102306.D	Data Locked	jrains, 16-Aug-2023 14:51
NT1708102307.D	Data Locked	jrains, 16-Aug-2023 14:51
NT1708102308.D	Data Locked	jrains, 16-Aug-2023 14:51
NT1708102309.D	Data Locked	jrains, 16-Aug-2023 14:51
NT1708102310.D	Data Locked	jrains, 16-Aug-2023 14:51
NT1708102311.D	Data Locked	jrains, 16-Aug-2023 14:51
NT1708102312.D	Data Locked	jrains, 16-Aug-2023 14:51

Analytical Resources, LLC
Analytical Chemists and Consultants

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Sequence:	SLH0241	Instrument:	NT17
		Calibration:	GH00044

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
MS Tune	SLH0241-TUN1	NT1708112301.D	NA	08/11/23 12:33
ABN 5	SLH0241-ICV1	NT1708112302.D	NA	08/11/23 12:50
Blank	BLH0180-BLK1	NT1708112312.D	Solid	08/11/23 19:06
LCS	BLH0180-BS1	NT1708112313.D	Solid	08/11/23 19:43
LCS Dup	BLH0180-BSD1	NT1708112314.D	Solid	08/11/23 20:20
LDW23-SS1068	BLH0180-MS1	NT1708112315.D	Solid	08/11/23 20:57
LDW23-SS1068	BLH0180-MSD1	NT1708112316.D	Solid	08/11/23 21:35
LDW23-SS1233	23H0221-01	NT1708112317.D	Solid	08/11/23 22:12
LDW23-SS1068	23H0221-02	NT1708112318.D	Solid	08/11/23 22:49
ABN 5	SLH0241-CCV1	NT1708112319.D	NA	08/11/23 23:25

Analytical Resources, LLC
Analytical Chemists and Consultants

ANALYSIS SEQUENCE

SLH0241

Instrument: NT17
Calibration ID: GH00044

Printed: 8/16/2023 2:04:27PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
SLH0241-TUN1	QC		1		L005045			
SLH0241-ICV1	QC		2		L008852	L006982		
BLH0180-BLK1	QC		3			L006982		
BLH0180-BS1	QC		4			L006982		
BLH0180-BSD1	QC		5			L006982		
BLH0180-MS1	QC		6			L006982		
BLH0180-MSD1	QC		7			L006982		
23H0221-01	(20ug/kg solid or 0.2ug/L lo	B 01	8			L006982	Anchor QEA, LLC	
23H0221-02	(20ug/kg solid or 0.2ug/L lo	B 01	9			L006982	Anchor QEA, LLC	
SLH0241-CCV1	QC		10		L008852	L006982		

Samples Loaded By Date

Data Processed By Date

SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG/WO:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Sequence:	SLH0216	Instrument:	NT17
Calibration:	GH00044	Calibration Date:	08/10/2023

Surrogate Compound	Spike Level ug/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLH0216-ICB1 (Solid)			Lab File ID: NT1708102311.D			Analyzed: 08/10/23 18:08		
2-Fluorophenol	7.5000	97.3	27 - 120	7.301	7.302714	-0.0017	N/A	
Phenol-d5	7.5000	94.9	29 - 120	8.855	8.865857	-0.0109	N/A	
2-Chlorophenol-d4	7.5000	99.1	31 - 120	9.174	9.173286	0.0007	N/A	
1,2-Dichlorobenzene-d4	5.0000	96.1	32 - 120	9.901	9.901	0.0000	N/A	
Nitrobenzene-d5	5.0000	102	30 - 120	10.63	10.63286	-0.0029	N/A	
2-Fluorobiphenyl	5.0000	97.3	35 - 120	14.214	14.21957	-0.0056	N/A	
2,4,6-Tribromophenol	7.5000	82.2	24 - 134	17.26	17.26743	-0.0074	N/A	
p-Terphenyl-d14	5.0000	104	37 - 120	21.735	21.73686	-0.0019	N/A	

Analytical Resources, LLC
Analytical Chemists and Consultants

SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG/WO:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Sequence:	SLH0241	Instrument:	NT17
Calibration:	GH00044	Calibration Date:	08/10/2023

Surrogate Compound	Spike Level ug/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLH0241-ICV1 (Solid)			Lab File ID: NT1708112302.D			Analyzed: 08/11/23 12:50		
2-Fluorophenol	7.5000	101	80 - 120	7.301	7.302714	-0.0017	N/A	
Phenol-d5	7.5000	103	80 - 120	8.868	8.865857	0.0021	N/A	
2-Chlorophenol-d4	7.5000	101	80 - 120	9.173	9.173286	-0.0003	N/A	
1,2-Dichlorobenzene-d4	5.0000	97.7	80 - 120	9.901	9.901	0.0000	N/A	
Nitrobenzene-d5	5.0000	109	80 - 120	10.629	10.63286	-0.0039	N/A	
2-Fluorobiphenyl	5.0000	98.6	80 - 120	14.227	14.21957	0.0074	N/A	
2,4,6-Tribromophenol	7.5000	101	80 - 120	17.26	17.26743	-0.0074	N/A	
p-Terphenyl-d14	5.0000	106	80 - 120	21.735	21.73686	-0.0019	N/A	
BLH0180-BLK1 (Solid)			Lab File ID: NT1708112312.D			Analyzed: 08/11/23 19:06		
2-Fluorophenol	7.5000	54.1	27 - 120	7.301	7.302714	-0.0017	N/A	
Phenol-d5	7.5000	51.7	29 - 120	8.855	8.865857	-0.0109	N/A	
2-Chlorophenol-d4	7.5000	53.8	31 - 120	9.173	9.173286	-0.0003	N/A	
1,2-Dichlorobenzene-d4	5.0000	52.7	32 - 120	9.888	9.901	-0.0130	N/A	
Nitrobenzene-d5	5.0000	61.0	30 - 120	10.629	10.63286	-0.0039	N/A	
2-Fluorobiphenyl	5.0000	54.7	35 - 120	14.214	14.21957	-0.0056	N/A	
2,4,6-Tribromophenol	7.5000	51.7	24 - 134	17.26	17.26743	-0.0074	N/A	
p-Terphenyl-d14	5.0000	70.6	37 - 120	21.735	21.73686	-0.0019	N/A	
BLH0180-BS1 (Solid)			Lab File ID: NT1708112313.D			Analyzed: 08/11/23 19:43		
2-Fluorophenol	7.5000	67.8	27 - 120	7.301	7.302714	-0.0017	N/A	
Phenol-d5	7.5000	65.9	29 - 120	8.868	8.865857	0.0021	N/A	
2-Chlorophenol-d4	7.5000	66.0	31 - 120	9.173	9.173286	-0.0003	N/A	
1,2-Dichlorobenzene-d4	5.0000	62.4	32 - 120	9.888	9.901	-0.0130	N/A	
Nitrobenzene-d5	5.0000	75.9	30 - 120	10.629	10.63286	-0.0039	N/A	
2-Fluorobiphenyl	5.0000	69.9	35 - 120	14.214	14.21957	-0.0056	N/A	
2,4,6-Tribromophenol	7.5000	72.6	24 - 134	17.26	17.26743	-0.0074	N/A	
p-Terphenyl-d14	5.0000	81.3	37 - 120	21.735	21.73686	-0.0019	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG/WO:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Sequence:	SLH0241	Instrument:	NT17
Calibration:	GH00044	Calibration Date:	08/10/2023

Surrogate Compound	Spike Level ug/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
BLH0180-BSD1 (Solid)			Lab File ID: NT1708112314.D			Analyzed: 08/11/23 20:20		
2-Fluorophenol	7.5000	68.0	27 - 120	7.301	7.302714	-0.0017	N/A	
Phenol-d5	7.5000	66.5	29 - 120	8.868	8.865857	0.0021	N/A	
2-Chlorophenol-d4	7.5000	66.2	31 - 120	9.173	9.173286	-0.0003	N/A	
1,2-Dichlorobenzene-d4	5.0000	62.8	32 - 120	9.888	9.901	-0.0130	N/A	
Nitrobenzene-d5	5.0000	76.0	30 - 120	10.629	10.63286	-0.0039	N/A	
2-Fluorobiphenyl	5.0000	70.8	35 - 120	14.214	14.21957	-0.0056	N/A	
2,4,6-Tribromophenol	7.5000	77.1	24 - 134	17.26	17.26743	-0.0074	N/A	
p-Terphenyl-d14	5.0000	81.0	37 - 120	21.735	21.73686	-0.0019	N/A	
BLH0180-MS1 (Solid)			Lab File ID: NT1708112315.D			Analyzed: 08/11/23 20:57		
2-Fluorophenol	7.5000	64.1	27 - 120	7.313	7.302714	0.0103	N/A	
Phenol-d5	7.5000	64.1	29 - 120	8.868	8.865857	0.0021	N/A	
2-Chlorophenol-d4	7.5000	64.8	31 - 120	9.173	9.173286	-0.0003	N/A	
1,2-Dichlorobenzene-d4	5.0000	59.9	32 - 120	9.901	9.901	0.0000	N/A	
Nitrobenzene-d5	5.0000	73.1	30 - 120	10.629	10.63286	-0.0039	N/A	
2-Fluorobiphenyl	5.0000	69.8	35 - 120	14.214	14.21957	-0.0056	N/A	
2,4,6-Tribromophenol	7.5000	75.2	24 - 134	17.26	17.26743	-0.0074	N/A	
p-Terphenyl-d14	5.0000	76.4	37 - 120	21.735	21.73686	-0.0019	N/A	
BLH0180-MSD1 (Solid)			Lab File ID: NT1708112316.D			Analyzed: 08/11/23 21:35		
2-Fluorophenol	7.5000	70.1	27 - 120	7.313	7.302714	0.0103	N/A	
Phenol-d5	7.5000	68.0	29 - 120	8.868	8.865857	0.0021	N/A	
2-Chlorophenol-d4	7.5000	69.0	31 - 120	9.174	9.173286	0.0007	N/A	
1,2-Dichlorobenzene-d4	5.0000	63.7	32 - 120	9.888	9.901	-0.0130	N/A	
Nitrobenzene-d5	5.0000	79.1	30 - 120	10.63	10.63286	-0.0029	N/A	
2-Fluorobiphenyl	5.0000	71.3	35 - 120	14.214	14.21957	-0.0056	N/A	
2,4,6-Tribromophenol	7.5000	76.9	24 - 134	17.26	17.26743	-0.0074	N/A	
p-Terphenyl-d14	5.0000	75.2	37 - 120	21.735	21.73686	-0.0019	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG/WO:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Sequence:	SLH0241	Instrument:	NT17
Calibration:	GH00044	Calibration Date:	08/10/2023

Surrogate Compound	Spike Level ug/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
23H0221-01 (Solid)			Lab File ID: NT1708112317.D			Analyzed: 08/11/23 22:12		
2-Fluorophenol	7.5000	46.2	27 - 120	7.314	7.302714	0.0113	N/A	
Phenol-d5	7.5000	54.9	29 - 120	8.868	8.865857	0.0021	N/A	
2-Chlorophenol-d4	7.5000	54.6	31 - 120	9.174	9.173286	0.0007	N/A	
1,2-Dichlorobenzene-d4	5.0000	55.5	32 - 120	9.888	9.901	-0.0130	N/A	
Nitrobenzene-d5	5.0000	70.0	30 - 120	10.63	10.63286	-0.0029	N/A	
2-Fluorobiphenyl	5.0000	66.7	35 - 120	14.214	14.21957	-0.0056	N/A	
2,4,6-Tribromophenol	7.5000	36.9	24 - 134	17.273	17.26743	0.0056	N/A	
p-Terphenyl-d14	5.0000	74.4	37 - 120	21.748	21.73686	0.0111	N/A	
23H0221-02 (Solid)			Lab File ID: NT1708112318.D			Analyzed: 08/11/23 22:49		
2-Fluorophenol	7.5000	59.0	27 - 120	7.314	7.302714	0.0113	N/A	
Phenol-d5	7.5000	57.3	29 - 120	8.868	8.865857	0.0021	N/A	
2-Chlorophenol-d4	7.5000	61.0	31 - 120	9.174	9.173286	0.0007	N/A	
1,2-Dichlorobenzene-d4	5.0000	55.5	32 - 120	9.889	9.901	-0.0120	N/A	
Nitrobenzene-d5	5.0000	67.4	30 - 120	10.63	10.63286	-0.0029	N/A	
2-Fluorobiphenyl	5.0000	62.5	35 - 120	14.214	14.21957	-0.0056	N/A	
2,4,6-Tribromophenol	7.5000	73.7	24 - 134	17.26	17.26743	-0.0074	N/A	
p-Terphenyl-d14	5.0000	88.4	37 - 120	21.735	21.73686	-0.0019	N/A	
SLH0241-CCV1 (Solid)			Lab File ID: NT1708112319.D			Analyzed: 08/11/23 23:25		
2-Fluorophenol	7.5000	106	50 - 150	7.301	7.302714	-0.0017	N/A	
Phenol-d5	7.5000	107	50 - 150	8.868	8.865857	0.0021	N/A	
2-Chlorophenol-d4	7.5000	104	50 - 150	9.173	9.173286	-0.0003	N/A	
1,2-Dichlorobenzene-d4	5.0000	99.8	50 - 150	9.901	9.901	0.0000	N/A	
Nitrobenzene-d5	5.0000	115	50 - 150	10.629	10.63286	-0.0039	N/A	
2-Fluorobiphenyl	5.0000	99.3	50 - 150	14.227	14.21957	0.0074	N/A	
2,4,6-Tribromophenol	7.5000	101	50 - 150	17.273	17.26743	0.0056	N/A	
p-Terphenyl-d14	5.0000	103	50 - 150	21.735	21.73686	-0.0019	N/A	

Analytical Resources, LLC
Analytical Chemists and Consultants

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Sequence:	SLH0216	Instrument:	NT17
		Calibration:	GH00044

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Blank (SLH0216-ICB1)		(Solid)		Lab File ID: NT1708102311.D				Analyzed: 08/10/23 18:08	
1,4-Dichlorobenzene-d4	251285	9.531	270862	9.531	93	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1039519	12.021	1109588	12.021	94	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	452450	15.63	499186	15.63	91	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	737850	18.662	798865	18.662	92	50 - 200	0.000	+/-0.50	
Chrysene-d12	468082	23.636	542628	23.649	86	50 - 200	-0.013	+/-0.50	
Di-n-Octylphthalate-d4	944103	24.644	1404894	24.644	67	50 - 200	0.000	+/-0.50	
Perylene-d12	482731	26.442	520366	26.455	93	50 - 200	-0.013	+/-0.50	
Secondary Cal Check (SLH0216-SCV1)		(Solid)		Lab File ID: NT1708102312.D				Analyzed: 08/10/23 18:45	
1,4-Dichlorobenzene-d4	238152	9.531	270862	9.531	88	50 - 200	0.000	+/-0.50	
Naphthalene-d8	999397	12.021	1109588	12.021	90	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	458301	15.63	499186	15.63	92	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	768042	18.662	798865	18.662	96	50 - 200	0.000	+/-0.50	
Chrysene-d12	513664	23.649	542628	23.649	95	50 - 200	0.000	+/-0.50	
Di-n-Octylphthalate-d4	1284068	24.644	1404894	24.644	91	50 - 200	0.000	+/-0.50	
Perylene-d12	497389	26.455	520366	26.455	96	50 - 200	0.000	+/-0.50	

Analytical Resources, LLC
Analytical Chemists and Consultants

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Sequence:	SLH0241	Instrument:	NT17
		Calibration:	GH00044

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (SLH0241-ICV1)		(Solid)	Lab File ID: NT1708112302.D				Analyzed: 08/11/23 12:50		
1,4-Dichlorobenzene-d4	243724	9.531	243724	9.531	100	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1014927	12.021	1014927	12.021	100	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	473303	15.63	473303	15.63	100	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	780320	18.662	780320	18.662	100	50 - 200	0.000	+/-0.50	
Chrysene-d12	509205	23.648	509205	23.648	100	50 - 200	0.000	+/-0.50	
Di-n-Octylphthalate-d4	1278671	24.643	1278671	24.643	100	50 - 200	0.000	+/-0.50	
Perylene-d12	502984	26.455	502984	26.455	100	50 - 200	0.000	+/-0.50	
Blank (BLH0180-BLK1)		(Solid)	Lab File ID: NT1708112312.D				Analyzed: 08/11/23 19:06		
1,4-Dichlorobenzene-d4	264338	9.531	243724	9.531	108	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1148498	12.008	1014927	12.021	113	50 - 200	-0.013	+/-0.50	
Acenaphthene-d10	515576	15.63	473303	15.63	109	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	838823	18.662	780320	18.662	107	50 - 200	0.000	+/-0.50	
Chrysene-d12	543465	23.636	509205	23.648	107	50 - 200	-0.012	+/-0.50	
Di-n-Octylphthalate-d4	1350252	24.644	1278671	24.643	106	50 - 200	0.001	+/-0.50	
Perylene-d12	520688	26.442	502984	26.455	104	50 - 200	-0.013	+/-0.50	
LCS (BLH0180-BS1)		(Solid)	Lab File ID: NT1708112313.D				Analyzed: 08/11/23 19:43		
1,4-Dichlorobenzene-d4	242353	9.531	243724	9.531	99	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1033597	12.021	1014927	12.021	102	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	470804	15.63	473303	15.63	99	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	767676	18.662	780320	18.662	98	50 - 200	0.000	+/-0.50	
Chrysene-d12	506981	23.636	509205	23.648	100	50 - 200	-0.012	+/-0.50	
Di-n-Octylphthalate-d4	1381165	24.644	1278671	24.643	108	50 - 200	0.001	+/-0.50	
Perylene-d12	500166	26.442	502984	26.455	99	50 - 200	-0.013	+/-0.50	
LCS Dup (BLH0180-BSD1)		(Solid)	Lab File ID: NT1708112314.D				Analyzed: 08/11/23 20:20		
1,4-Dichlorobenzene-d4	256395	9.531	243724	9.531	105	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1088188	12.021	1014927	12.021	107	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	485590	15.63	473303	15.63	103	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	792604	18.662	780320	18.662	102	50 - 200	0.000	+/-0.50	
Chrysene-d12	532076	23.636	509205	23.648	104	50 - 200	-0.012	+/-0.50	
Di-n-Octylphthalate-d4	1440455	24.643	1278671	24.643	113	50 - 200	0.000	+/-0.50	
Perylene-d12	520509	26.455	502984	26.455	103	50 - 200	0.000	+/-0.50	

Analytical Resources, LLC
Analytical Chemists and Consultants

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Sequence:	SLH0241	Instrument:	NT17
		Calibration:	GH00044

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (BLH0180-MS1)		(Solid)	Lab File ID: NT1708112315.D				Analyzed: 08/11/23 20:57		
1,4-Dichlorobenzene-d4	250193	9.531	243724	9.531	103	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1054691	12.021	1014927	12.021	104	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	476981	15.629	473303	15.63	101	50 - 200	-0.001	+/-0.50	
Phenanthrene-d10	768796	18.662	780320	18.662	99	50 - 200	0.000	+/-0.50	
Chrysene-d12	497971	23.648	509205	23.648	98	50 - 200	0.000	+/-0.50	
Di-n-Octylphthalate-d4	1392934	24.643	1278671	24.643	109	50 - 200	0.000	+/-0.50	
Perylene-d12	460188	26.455	502984	26.455	91	50 - 200	0.000	+/-0.50	
Matrix Spike Dup (BLH0180-MSD1)		(Solid)	Lab File ID: NT1708112316.D				Analyzed: 08/11/23 21:35		
1,4-Dichlorobenzene-d4	244456	9.531	243724	9.531	100	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1028677	12.021	1014927	12.021	101	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	461500	15.63	473303	15.63	98	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	748708	18.662	780320	18.662	96	50 - 200	0.000	+/-0.50	
Chrysene-d12	504024	23.649	509205	23.648	99	50 - 200	0.001	+/-0.50	
Di-n-Octylphthalate-d4	1414616	24.644	1278671	24.643	111	50 - 200	0.001	+/-0.50	
Perylene-d12	458310	26.455	502984	26.455	91	50 - 200	0.000	+/-0.50	
LDW23-SS1233 (23H0221-01)		(Solid)	Lab File ID: NT1708112317.D				Analyzed: 08/11/23 22:12		
1,4-Dichlorobenzene-d4	259364	9.531	243724	9.531	106	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1104786	12.021	1014927	12.021	109	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	494370	15.63	473303	15.63	104	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	796145	18.662	780320	18.662	102	50 - 200	0.000	+/-0.50	
Chrysene-d12	524402	23.649	509205	23.648	103	50 - 200	0.001	+/-0.50	
Di-n-Octylphthalate-d4	1408260	24.656	1278671	24.643	110	50 - 200	0.013	+/-0.50	
Perylene-d12	482571	26.468	502984	26.455	96	50 - 200	0.013	+/-0.50	
LDW23-SS1068 (23H0221-02)		(Solid)	Lab File ID: NT1708112318.D				Analyzed: 08/11/23 22:49		
1,4-Dichlorobenzene-d4	261382	9.531	243724	9.531	107	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1122197	12.021	1014927	12.021	111	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	499504	15.63	473303	15.63	106	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	792857	18.662	780320	18.662	102	50 - 200	0.000	+/-0.50	
Chrysene-d12	497526	23.649	509205	23.648	98	50 - 200	0.001	+/-0.50	
Di-n-Octylphthalate-d4	1454090	24.644	1278671	24.643	114	50 - 200	0.001	+/-0.50	
Perylene-d12	469886	26.455	502984	26.455	93	50 - 200	0.000	+/-0.50	

Analytical Resources, LLC
Analytical Chemists and Consultants

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Sequence:	SLH0241	Instrument:	NT17
		Calibration:	GH00044

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (SLH0241-CCV1)		(Solid)		Lab File ID: NT1708112319.D				Analyzed: 08/11/23 23:25	
1,4-Dichlorobenzene-d4	259047	9.531	243724	9.531	106	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1087673	12.021	1014927	12.021	107	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	498072	15.63	473303	15.63	105	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	797447	18.662	780320	18.662	102	50 - 200	0.000	+/-0.50	
Chrysene-d12	526634	23.649	509205	23.648	103	50 - 200	0.001	+/-0.50	
Di-n-Octylphthalate-d4	1541890	24.644	1278671	24.643	121	50 - 200	0.001	+/-0.50	
Perylene-d12	502656	26.455	502984	26.455	100	50 - 200	0.000	+/-0.50	

HOLDING TIME SUMMARY

Analysis: EPA 8270E

Laboratory: Analytical Resources, LLC SDG: 23H0221

Client: Anchor QEA, LLC Project: AOC5 MR Phase 1

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW23-SS1233 23H0221-01	04/10/23 13:15	08/09/23 10:08	08/08/23 09:17	119	365	08/11/23 22:12	4	40	
LDW23-SS1068 23H0221-02	04/10/23 16:11	08/09/23 10:08	08/08/23 09:17	119	365	08/11/23 22:49	4	40	
Matrix Spike BLH0180-MS1	04/10/23 16:11	08/09/23 10:08	08/08/23 09:17	119	365	08/11/23 20:57	3	40	
Matrix Spike Dup BLH0180-MSD1	04/10/23 16:11	08/09/23 10:08	08/08/23 09:17	119	365	08/11/23 21:35	4	40	

* Indicates hold time exceedance.

METHOD DETECTION AND REPORTING LIMITS

EPA 8270E

Laboratory: Analytical Resources, LLC
SDG: 23H0221
Client: Anchor QEA, LLC
Project: AOC5 MR Phase 1
Matrix: Solid
Instrument: NT17

Analyte	MDL	RL	Units
Phenol	4.4	20.0	ug/kg
4-Methylphenol	7.4	20.0	ug/kg
Naphthalene	4.2	20.0	ug/kg
2-Methylnaphthalene	4.5	20.0	ug/kg
Acenaphthylene	6.2	20.0	ug/kg
Dimethylphthalate	4.4	20.0	ug/kg
Acenaphthene	5.2	20.0	ug/kg
Dibenzofuran	14.1	20.0	ug/kg
Fluorene	14.6	20.0	ug/kg
Phenanthrene	8.7	20.0	ug/kg
Anthracene	7.2	20.0	ug/kg
Fluoranthene	6.1	20.0	ug/kg
Pyrene	5.7	20.0	ug/kg
Butylbenzylphthalate	9.4	20.0	ug/kg
Benzo(a)anthracene	6.0	20.0	ug/kg
Chrysene	6.1	20.0	ug/kg
bis(2-Ethylhexyl)phthalate	14.1	50.0	ug/kg
Benzofluoranthenes, Total	21.0	40.0	ug/kg
Benzo(a)pyrene	4.2	20.0	ug/kg
Indeno(1,2,3-cd)pyrene	14.7	20.0	ug/kg
Dibenzo(a,h)anthracene	17.2	20.0	ug/kg
Benzo(g,h,i)perylene	13.6	20.0	ug/kg

Analytical Resources, Incorporated

Analytical Standard Record
Analytical Resources, Inc.
Standard ID: B001941

Printed: 9/25/2013 1:45:31PM

Description:	SVOC 2,4-Dinitrophenol	Expires:	31-Dec-29
Standard Type:	Calibration Stan	Prepared:	25-Sep-13
Solvent:	NA	Prepared By:	Jianqing Zhou
Final Volume (mls):	1	Department:	Organics
Vials:	1	Last Edit:	25-Sep-13 13:45 by JZ
Vendor:	SIGMA	Lot #:	65H5021
Vendor Catalog #:			

Comments

Neat, Purity @ 90-95%. (ARI#: 0466)

Analyte	CAS Number	Concentration	Units
2,4-Dinitrophenol	51-28-5	1000000	ug/mL

B001941
SVOA 2,4-Dinitrophenol
Expires 12/31/2029
Prepared By Jianqing Zhou 9/25/2013

Reviewed By Date

Appendix 20.1

ALTERNATE CERTIFICATE OF ANALYSIS

The manufacturer of the below chemical was unable to provide a Certificate of Analysis at the time of request by ARI.

Date Requested from Manufacturer:_____

Chemical: 2,4-Dinitrophenol

Manufacturer: Sigma

Product #: _____

Lot #: bEH 502 1

Purity: 90 ~ 94%

Analyst: _____

Analytical Resources, Incorporated

Analytical Standard Record
Analytical Resources, Inc.
Standard ID: B001945

Printed: 9/25/2013 3:23:22PM

Description:	SVOC Benzoic Acid	Expires:	31-Dec-29
Standard Type:	Calibration Stan	Prepared:	31-Dec-12
Solvent:	NA	Prepared By:	Jianqing Zhou
Final Volume (mls):	1	Department:	Organics
Vials:	1	Last Edit:	25-Sep-13 15:23 by JZ
Vendor:	ACROS Organics	Lot #:	A0224339
Vendor Catalog #:			

Comments

Neat, Purity @ 98%.

Analyte	CAS Number	Concentration	Units
Benzoic acid	65-85-0	1000000	ug/mL

B001945
SVOC Benzoic Acid
Expires 12/31/2029
Prepared By Jianqing Zhou 12/31/2012

Reviewed By Date

Appendix 20.1

ALTERNATE CERTIFICATE OF ANALYSIS

The manufacturer of the below chemical was unable to provide a Certificate of Analysis at the time of request by ARI.

Date Requested from Manufacturer:_____

Chemical: Benzoic Acid

Manufacturer: Acros Organics

Product #: _____

Lot #: A0224339

Purity: 98%

Analyst: _____

Analytical Resources, Incorporated

Analytical Standard Record
Analytical Resources, Inc.
Standard ID: B001948

Printed: 9/25/2013 3:37:51PM

Description:	SVOC 4,6-Dinitro-2-Methylphenol	Expires:	31-Dec-29
Standard Type:	Calibration Stan	Prepared:	25-Sep-13
Solvent:	NA	Prepared By:	Jianqing Zhou
Final Volume (mls):	1	Department:	Organics
Vials:	1	Last Edit:	25-Sep-13 15:37 by JZ
Vendor:	Chem Service	Lot #:	179-31A
Vendor Catalog #:			

Comments

Neat, Purity @ 99%. (ARI#: 009A)

Analyte	CAS Number	Concentration	Units
4,6-Dinitro-2-methylphenol	534-52-1	1000000	ug/mL

B001948
SVOA 4,6-Dinitro-2-Methylphenol
Expires 12/31/2029
Prepared By Jianqing Zhou 9/25/2013

Reviewed By Date

Appendix 20.1

ALTERNATE CERTIFICATE OF ANALYSIS

The manufacturer of the below chemical was unable to provide a Certificate of Analysis at the time of request by ARI.

Date Requested from Manufacturer: _____

Chemical: 4,6-Dinitro-2-Methylphenol

Manufacturer: Chem Service

Product #: _____

Lot #: 179-31A

Purity: 99%

Analyst: KB

Analytical Resources, Incorporated

Analytical Standard Record
Analytical Resources, Inc.
Standard ID: B002054

Printed: 10/4/2013 6:32:21PM

Description:	SVOA 1-Methylnaphthalene	Expires:	02-Apr-14
Standard Type:	Analyte Spike	Prepared:	13-Dec-12
Solvent:	NA	Prepared By:	Jianqing Zhou
Final Volume (mls):	1	Department:	Organics
Vials:	1	Last Edit:	04-Oct-13 18:32 by JZ
Vendor:	Chem Service	Lot #:	62-5B
Vendor Catalog #:			

Comments

Neat, Purity @ 99%

Analyte	CAS Number	Concentration	Units
1-Methylnaphthalene	90-12-0	1000000	ug/mL

B002054
SVOA 1-Methylnaphthalene
Solvent / Lot: NA
Prep: 12/13/2012 by JZ
Exp: 12/31/2029
Location:

Reviewed By Date

Appendix 20.1

ALTERNATE CERTIFICATE OF ANALYSIS

The manufacturer of the below chemical was unable to provide a Certificate of Analysis at the time of request by ARI.

Date Requested from Manufacturer:_____

Chemical: 1-Methyl naphthalene

Manufacturer: Chem Service

Product #: 0787

Lot #: 67-53

Purity: 99%

Analyst: AZ

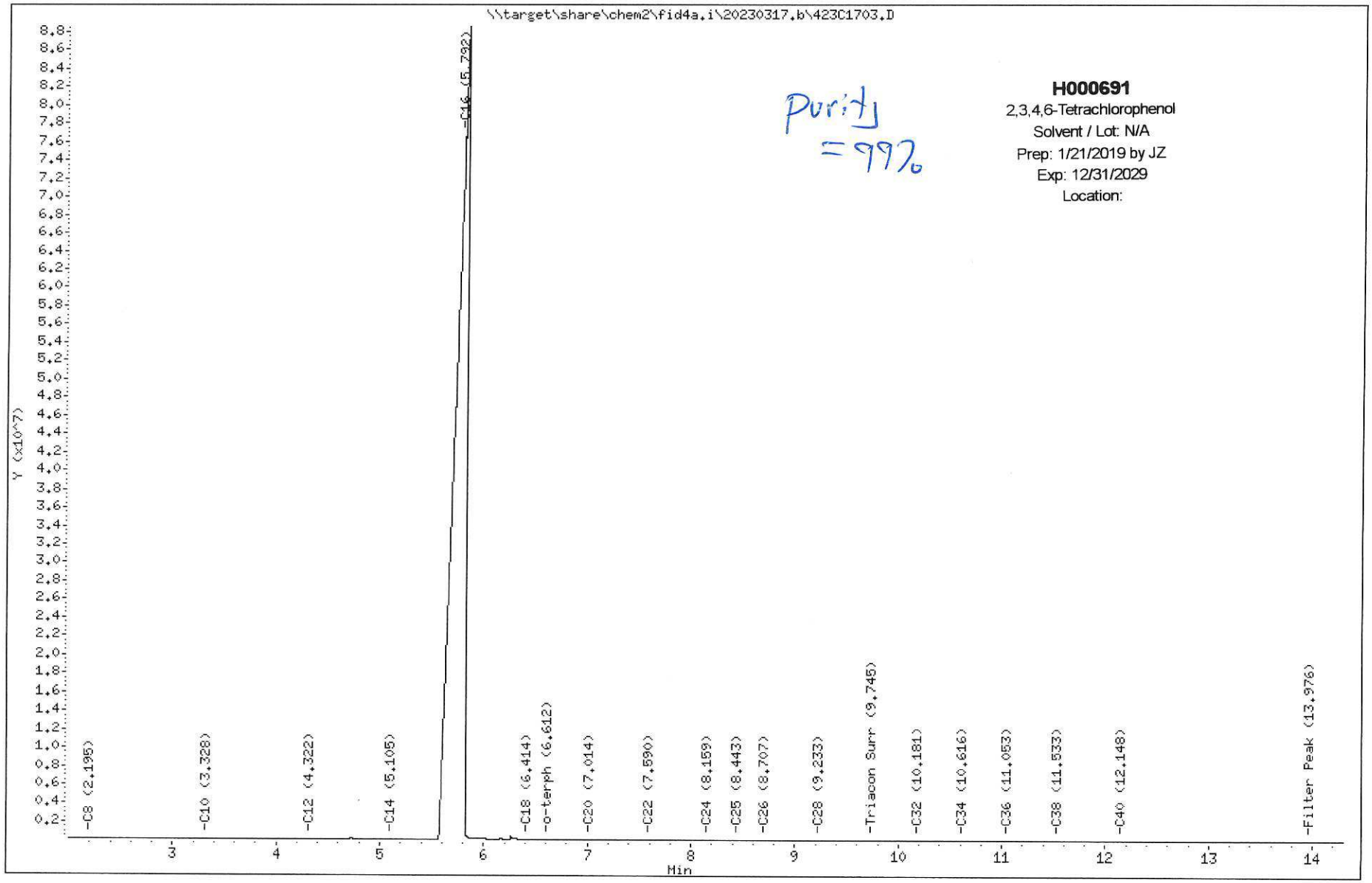
H000691

Page 1

Data File: \\target\share\chem2\fid4a.i\20230317.b\423C1703.D
Date : 17-MAR-2023 10:46
Client ID:
Sample Info: K007226

Instrument: fid4a.i
Operator: AA
Column diameter: 0.25

Column phase: RTX-1



Purity
=99%

H000691
2,3,4,6-Tetrachlorophenol
Solvent / Lot: N/A
Prep: 1/21/2019 by JZ
Exp: 12/31/2029
Location:

ARI Labs, Inc.

Data file : \\target\share\chem2\fid4a.i\20230317.b\423C1703.D
Lab Smp Id: K007226
Inj Date : 17-MAR-2023 10:46
Operator : AA Inst ID: fid4a.i
Smp Info : K007226
Misc Info :
Comment :
Method : \\target\share\chem2\fid4a.i\20230317.b\FID4TPH.m
Meth Date : 17-Mar-2023 16:58 alfonso Quant Type: AREA%
Cal Date : 18-AUG-2022 11:51 Cal File: 422H1803.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: Falcon+ Compound Sublist: tph.sub
Target Version: 4.14
Processing Host: ALFONSO-201901

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
2.043	81395	55677	0.684	0.012	1 Toluene
2.074	68503	39991	0.584	0.010	
2.104	85451	37158	0.435	0.012	
2.146	59381	25207	0.424	0.008	
2.181	11414	22862	2.003	0.001	
2.195	34939	23199	0.664	0.005	2 C8
2.218	8679	21808	2.513	0.001	
2.224	21070	21832	1.036	0.003	
2.243	45086	20191	0.448	0.006	
2.286	3130	15677	5.009	0.000	
2.291	12615	15880	1.259	0.001	
2.313	20979	15888	0.757	0.003	
2.333	7621	15373	2.017	0.001	
2.348	31874	17112	0.537	0.004	
2.373	4619	13267	2.872	0.000	
2.380	12003	13446	1.120	0.001	
2.393	10327	13347	1.292	0.001	
2.408	9963	12697	1.274	0.001	
2.446	24366	11882	0.488	0.003	
2.498	24898	10214	0.410	0.003	
2.557	1592	6395	4.017	0.000	
2.570	4427	6384	1.442	0.000	
2.583	4275	6215	1.454	0.000	
2.595	1208	6068	5.024	0.000	
2.602	3076	6230	2.025	0.000	
2.607	1560	6270	4.019	0.000	
2.631	17195	8933	0.520	0.002	
2.654	17386	7637	0.439	0.002	
2.703	4531	5468	1.207	0.000	
2.717	9156	5741	0.627	0.001	
2.740	3955	5045	1.275	0.000	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
2.768	1029	4134	4.017	0.000	
2.771	830	4189	5.050	0.000	
2.778	1924	4438	2.307	0.000	
2.784	5498	4564	0.830	0.000	
2.846	25970	8400	0.323	0.003	
2.880	939	3165	3.370	0.000	
2.884	1885	3183	1.688	0.000	
2.901	4805	3504	0.729	0.000	
2.938	581	1990	3.423	0.000	
2.944	1450	2016	1.390	0.000	
2.955	449	1816	4.043	0.000	
2.967	1234	2009	1.629	0.000	
2.982	712	2087	2.931	0.000	
2.988	1000	2338	2.337	0.000	
3.001	3475	3541	1.019	0.000	
3.018	3528	3705	1.050	0.000	
3.033	983	2521	2.564	0.000	
3.038	1297	2686	2.070	0.000	
3.044	2547	2541	0.997	0.000	
3.069	389	1330	3.418	0.000	
3.078	728	1545	2.123	0.000	
3.085	1244	1637	1.316	0.000	
3.098	1115	1624	1.457	0.000	
3.108	926	1475	1.593	0.000	
3.119	239	1202	5.036	0.000	
3.125	540	1251	2.315	0.000	
3.133	409	1219	2.978	0.000	
3.144	2600	1886	0.725	0.000	
3.165	620	1604	2.588	0.000	
3.173	554	1647	2.972	0.000	
3.192	2423	2273	0.938	0.000	
3.197	582	2418	4.158	0.000	
3.204	1161	2723	2.346	0.000	
3.208	825	2777	3.364	0.000	
3.228	4472	3391	0.758	0.000	
3.246	1586	2676	1.688	0.000	
3.279	1194	2070	1.734	0.000	
3.293	854	1951	2.285	0.000	
3.298	595	2029	3.408	0.000	
3.315	2640	2597	0.984	0.000	
3.320	1015	2542	2.504	0.000	
3.328	1549	2593	1.674	0.000	3 C10
3.338	1314	2533	1.928	0.000	
3.350	523	2159	4.130	0.000	
3.358	1776	2105	1.185	0.000	
3.371	356	1797	5.043	0.000	
3.378	914	1880	2.057	0.000	
3.383	380	1927	5.068	0.000	
3.387	595	2023	3.399	0.000	
3.395	1390	2270	1.633	0.000	
3.405	1490	1994	1.338	0.000	
3.423	690	1601	2.321	0.000	
3.435	821	1554	1.894	0.000	
3.441	387	1583	4.087	0.000	
3.444	401	1625	4.051	0.000	
3.448	403	1636	4.060	0.000	
3.455	1216	1700	1.398	0.000	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
3.478	235	1185	5.047	0.000	
3.482	412	1229	2.986	0.000	
3.488	695	1177	1.694	0.000	
3.501	239	969	4.063	0.000	
3.509	914	1149	1.258	0.000	
3.520	1078	1069	0.992	0.000	
3.540	301	927	3.079	0.000	
3.556	406	849	2.089	0.000	
3.567	370	873	2.359	0.000	
3.572	178	939	5.270	0.000	
3.578	591	1171	1.981	0.000	
3.591	869	1353	1.556	0.000	
3.596	741	1352	1.826	0.000	
3.606	471	1401	2.976	0.000	
3.613	548	1411	2.577	0.000	
3.618	433	1521	3.511	0.000	
3.625	710	1635	2.303	0.000	
3.630	910	1667	1.832	0.000	
3.652	661	1562	2.362	0.000	
3.670	462	1214	2.627	0.000	
3.686	1036	1453	1.403	0.000	
3.690	829	1374	1.658	0.000	
3.702	531	1191	2.241	0.000	
3.712	452	1355	3.001	0.000	
3.716	820	1423	1.736	0.000	
3.736	2685	2093	0.780	0.000	
3.752	689	2030	2.946	0.000	
3.760	4109	2349	0.572	0.000	
3.805	3183	2036	0.640	0.000	
3.823	496	1686	3.401	0.000	
3.835	1641	2314	1.410	0.000	
3.859	9243	4616	0.499	0.001	
3.897	851	1745	2.051	0.000	
3.904	503	1721	3.419	0.000	
3.927	3866	3293	0.852	0.000	
3.941	5520	3558	0.645	0.000	
3.980	573	1715	2.991	0.000	
3.992	1027	1794	1.748	0.000	
3.995	1494	1860	1.245	0.000	
4.010	887	1639	1.847	0.000	
4.021	663	1724	2.602	0.000	
4.026	1380	1776	1.287	0.000	
4.045	306	1546	5.059	0.000	
4.053	1001	1758	1.757	0.000	
4.061	1137	1804	1.586	0.000	
4.072	779	1773	2.275	0.000	
4.080	989	1896	1.917	0.000	
4.087	561	1905	3.396	0.000	
4.098	1956	2156	1.103	0.000	
4.106	1168	2044	1.750	0.000	
4.127	1049	1627	1.551	0.000	
4.142	587	1545	2.633	0.000	
4.148	1155	1572	1.361	0.000	
4.173	3682	2398	0.651	0.000	
4.189	1023	1738	1.700	0.000	
4.204	549	1627	2.961	0.000	
4.213	628	1658	2.641	0.000	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.221	1039	1830	1.761	0.000	
4.227	447	1814	4.058	0.000	
4.248	2703	2638	0.976	0.000	
4.256	1387	2945	2.123	0.000	
4.260	743	2988	4.022	0.000	
4.265	912	3081	3.378	0.000	
4.268	779	3140	4.031	0.000	
4.275	1736	3217	1.853	0.000	
4.289	2688	3495	1.300	0.000	
4.295	3466	3448	0.995	0.000	
4.322	1054	2680	2.543	0.000	4 C12
4.330	1686	2627	1.558	0.000	
4.358	1066	1974	1.852	0.000	
4.378	434	1758	4.054	0.000	
4.384	1324	1879	1.419	0.000	
4.403	860	1608	1.869	0.000	
4.414	457	1567	3.431	0.000	
4.421	1117	1675	1.499	0.000	
4.433	910	1538	1.690	0.000	
4.439	865	1534	1.774	0.000	
4.449	764	1302	1.705	0.000	
4.471	433	1123	2.593	0.000	
4.476	734	1135	1.546	0.000	
4.490	385	1005	2.610	0.000	
4.498	555	1186	2.137	0.000	
4.502	695	1166	1.677	0.000	
4.518	587	949	1.618	0.000	
4.526	316	925	2.924	0.000	
4.533	560	989	1.765	0.000	
4.543	469	1001	2.135	0.000	
4.548	222	916	4.130	0.000	
4.553	188	980	5.207	0.000	
4.558	255	1038	4.076	0.000	
4.568	652	1157	1.775	0.000	
4.573	338	1151	3.409	0.000	
4.580	487	1283	2.636	0.000	
4.596	3801	1950	0.513	0.000	
4.631	531	1429	2.692	0.000	
4.663	4548	3737	0.822	0.000	
4.667	2815	3822	1.358	0.000	
4.679	2199	3760	1.710	0.000	
4.688	1068	3585	3.356	0.000	
4.694	2166	3742	1.727	0.000	
4.723	372603	172476	0.463	0.055	
4.894	47034	21828	0.464	0.006	
4.956	80510	28154	0.350	0.011	
4.999	54273	16950	0.312	0.008	
5.068	1137	5713	5.027	0.000	
5.072	8415	5792	0.688	0.001	
5.105	4203	4316	1.027	0.000	5 C14
5.146	660	2685	4.070	0.000	
5.153	2524	2649	1.050	0.000	
5.170	1076	2437	2.265	0.000	
5.174	2371	2438	1.028	0.000	
5.201	1013	2011	1.986	0.000	
5.210	2064	2332	1.130	0.000	
5.224	1083	2304	2.127	0.000	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.228	2027	2354	1.162	0.000	
5.276	4673	2682	0.574	0.000	
5.322	195	844	4.328	0.000	
5.331	977	1203	1.231	0.000	
5.356	490	993	2.027	0.000	
5.361	814	1044	1.283	0.000	
5.382	115	387	3.351	0.000	
5.399	619	960	1.551	0.000	
5.406	402	1035	2.576	0.000	
5.410	378	1122	2.968	0.000	
5.423	1663	1555	0.935	0.000	
5.452	5951	5020	0.844	0.000	
5.501	290	797	2.753	0.000	
5.523	2317	2472	1.067	0.000	
5.538	5946	6823	1.147	0.000	
5.792	501855376	76456669	0.152	74.449	6 C16
5.807	79757019	82319946	1.032	11.775	
5.823	77929961	88539160	1.136	11.505	
5.962	75333	84828	1.126	0.011	
5.986	474748	124326	0.262	0.070	
6.070	17103	57180	3.343	0.002	
6.074	120761	57565	0.477	0.017	
6.113	90233	47140	0.522	0.013	
6.165	407438	218439	0.536	0.060	
6.263	944101	374166	0.396	0.139	
6.414	114839	39498	0.344	0.016	7 C18
6.464	53190	31177	0.586	0.007	
6.523	31509	25870	0.821	0.004	
6.551	4785	23963	5.008	0.000	
6.559	51194	25409	0.496	0.007	
6.590	21354	21666	1.015	0.003	
6.612	35061	21127	0.603	0.005	$ 8 o-terph
6.638	17712	19934	1.125	0.002	
6.672	22159	19651	0.887	0.003	
6.683	26846	19268	0.718	0.003	
6.708	5413	18142	3.351	0.000	
6.713	24941	18247	0.732	0.003	
6.747	50657	18478	0.365	0.007	
6.795	23973	17444	0.728	0.003	
6.814	28457	17895	0.629	0.004	
6.837	10746	15445	1.437	0.001	
6.871	29974	21406	0.714	0.004	
6.874	4287	21471	5.009	0.000	
6.882	20520	21675	1.056	0.003	
6.944	32864	17445	0.531	0.004	
6.978	9138	15347	1.679	0.001	
7.014	4130	13830	3.348	0.000	9 C20
7.025	12567	14083	1.121	0.001	
7.038	4952	14274	2.882	0.000	
7.044	6508	14578	2.240	0.000	
7.050	25344	14736	0.581	0.003	
7.099	5531	12365	2.236	0.000	
7.108	16440	12371	0.752	0.002	
7.129	9415	11275	1.198	0.001	
7.175	3589	10327	2.878	0.000	
7.182	7285	10474	1.438	0.001	
7.212	11252	10002	0.889	0.001	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.227	5193	9506	1.830	0.000	
7.237	5172	9476	1.832	0.000	
7.247	4652	9357	2.011	0.000	
7.254	3258	9369	2.875	0.000	
7.259	7003	9455	1.350	0.001	
7.272	5540	9252	1.670	0.000	
7.283	4511	9087	2.014	0.000	
7.296	5828	9031	1.550	0.000	
7.308	4850	8866	1.828	0.000	
7.318	3111	9014	2.897	0.000	
7.324	3191	9168	2.873	0.000	
7.328	2775	9325	3.360	0.000	
7.339	6190	9713	1.569	0.000	
7.344	2920	9761	3.343	0.000	
7.350	17091	9874	0.578	0.002	
7.379	7217	8616	1.194	0.001	
7.395	5430	8408	1.548	0.000	
7.404	2492	8342	3.348	0.000	
7.409	1666	8354	5.014	0.000	
7.415	2955	8500	2.877	0.000	
7.423	3887	8782	2.259	0.000	
7.465	28160	14253	0.506	0.004	
7.471	6466	14499	2.242	0.000	
7.480	6649	15111	2.273	0.000	
7.484	26595	15197	0.571	0.003	
7.514	13964	13621	0.975	0.002	
7.539	8118	12614	1.554	0.001	
7.553	10540	12495	1.185	0.001	
7.584	2820	11307	4.010	0.000	
7.590	4522	11429	2.527	0.000	10 C22
7.620	16634	10435	0.627	0.002	
7.653	6793	9783	1.440	0.001	
7.663	8606	9666	1.123	0.001	
7.675	2827	9464	3.347	0.000	
7.683	9373	9620	1.026	0.001	
7.699	3657	9205	2.517	0.000	
7.708	5071	9290	1.832	0.000	
7.713	10483	9274	0.885	0.001	
7.735	10686	9257	0.866	0.001	
7.752	4732	8664	1.831	0.000	
7.765	5624	8765	1.558	0.000	
7.773	5614	8686	1.547	0.000	
7.784	3375	8506	2.520	0.000	
7.793	2118	8517	4.021	0.000	
7.799	10086	8544	0.847	0.001	
7.817	7761	8325	1.073	0.001	
7.833	2415	8088	3.350	0.000	
7.838	2838	8160	2.875	0.000	
7.844	3649	8173	2.240	0.000	
7.858	2009	8069	4.017	0.000	
7.864	4482	8197	1.829	0.000	
7.871	3688	8223	2.230	0.000	
7.879	4875	8269	1.696	0.000	
7.889	2009	8061	4.013	0.000	
7.897	4080	8308	2.036	0.000	
7.916	17828	10103	0.567	0.002	
7.935	4052	9086	2.242	0.000	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.940	2229	8948	4.015	0.000	
7.945	5765	8973	1.556	0.000	
7.954	6458	8765	1.357	0.000	
7.976	2099	8428	4.016	0.000	
7.984	10213	8807	0.862	0.001	
7.999	4897	8282	1.691	0.000	
8.013	8782	8112	0.924	0.001	
8.028	5860	7858	1.341	0.000	
8.040	3929	7871	2.003	0.000	
8.054	9161	8146	0.889	0.001	
8.067	2701	7766	2.876	0.000	
8.074	3069	7702	2.510	0.000	
8.081	2694	7742	2.874	0.000	
8.088	2705	7793	2.881	0.000	
8.095	5842	7832	1.341	0.000	
8.104	5419	7841	1.447	0.000	
8.119	5740	7735	1.348	0.000	
8.134	4986	7768	1.558	0.000	
8.141	5893	8009	1.359	0.000	
8.159	9098	8027	0.882	0.001	11 C24
8.174	3156	7971	2.526	0.000	
8.185	2376	7967	3.353	0.000	
8.190	4739	7937	1.675	0.000	
8.202	5181	8028	1.549	0.000	
8.212	1994	8027	4.025	0.000	
8.223	6137	8270	1.348	0.000	
8.236	6864	8171	1.190	0.001	
8.248	2383	7986	3.351	0.000	
8.253	2405	8059	3.351	0.000	
8.259	5294	8207	1.550	0.000	
8.268	2866	8235	2.874	0.000	
8.280	6583	8312	1.263	0.000	
8.289	4538	8296	1.828	0.000	
8.295	2060	8300	4.029	0.000	
8.300	2063	8291	4.020	0.000	
8.313	7062	8400	1.189	0.001	
8.318	1667	8375	5.023	0.000	
8.332	11362	9100	0.801	0.001	
8.343	4357	8741	2.006	0.000	
8.358	1267	8458	6.676	0.000	
8.363	2991	8621	2.882	0.000	
8.371	3980	8983	2.257	0.000	
8.379	6330	9083	1.435	0.000	
8.385	3111	8963	2.881	0.000	
8.393	6706	9050	1.349	0.000	
8.404	4903	8943	1.824	0.000	
8.417	8437	8972	1.063	0.001	
8.438	7166	9103	1.270	0.001	
8.443	3211	9227	2.873	0.000	12 C25
8.450	3688	9295	2.521	0.000	
8.455	2313	9276	4.010	0.000	
8.475	30054	13714	0.456	0.004	
8.504	5760	9733	1.690	0.000	
8.519	2799	9376	3.350	0.000	
8.529	4766	9710	2.037	0.000	
8.537	4875	9815	2.013	0.000	
8.543	8411	9973	1.186	0.001	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.555	2969	9916	3.340	0.000	
8.560	3974	9987	2.513	0.000	
8.568	2483	9997	4.026	0.000	
8.572	5007	10043	2.006	0.000	
8.591	14074	10725	0.762	0.002	
8.602	2648	10665	4.028	0.000	
8.606	2159	10862	5.032	0.000	
8.609	2183	10952	5.017	0.000	
8.633	7361	10561	1.435	0.001	
8.647	6774	10495	1.549	0.001	
8.658	2596	10420	4.014	0.000	
8.663	4723	10573	2.239	0.000	
8.669	3156	10589	3.355	0.000	
8.687	15405	11334	0.736	0.002	
8.699	6103	11158	1.828	0.000	
8.707	2223	11136	5.009	0.000	13 C26
8.730	28697	12536	0.437	0.004	
8.754	8658	11553	1.334	0.001	
8.763	2896	11612	4.010	0.000	
8.780	15029	12352	0.822	0.002	
8.788	1833	12243	6.680	0.000	
8.798	11854	12679	1.070	0.001	
8.806	1873	12509	6.677	0.000	
8.809	3133	12565	4.011	0.000	
8.813	2506	12550	5.008	0.000	
8.819	7588	12757	1.681	0.001	
8.829	4418	12679	2.870	0.000	
8.835	6988	12762	1.826	0.001	
8.848	13711	13258	0.967	0.002	
8.872	26625	13656	0.513	0.003	
8.894	4575	13127	2.869	0.000	
8.898	2631	13188	5.013	0.000	
8.902	5918	13262	2.241	0.000	
8.914	8577	13313	1.552	0.001	
8.922	4011	13433	3.349	0.000	
8.926	4724	13546	2.867	0.000	
8.933	6787	13651	2.011	0.001	
8.946	9614	13923	1.448	0.001	
8.951	6274	14004	2.232	0.000	
8.960	5592	14036	2.510	0.000	
8.966	3513	14090	4.011	0.000	
8.969	2829	14171	5.009	0.000	
8.973	4976	14233	2.860	0.000	
8.980	4289	14365	3.350	0.000	
8.996	27708	16441	0.593	0.004	
9.013	8129	14847	1.827	0.001	
9.025	8129	14840	1.826	0.001	
9.036	7503	15229	2.030	0.001	
9.040	4559	15225	3.340	0.000	
9.057	14920	16251	1.089	0.002	
9.067	9915	16831	1.698	0.001	
9.076	8535	17331	2.031	0.001	
9.081	5250	17596	3.352	0.000	
9.084	10558	17675	1.674	0.001	
9.095	4386	17601	4.013	0.000	
9.111	30564	19262	0.630	0.004	
9.128	8346	18722	2.243	0.001	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
9.139	15095	18986	1.258	0.002	
9.149	6655	19050	2.862	0.000	
9.158	23240	19719	0.848	0.003	
9.171	1903	19042	10.005	0.000	
9.175	4773	19156	4.013	0.000	
9.187	23630	19927	0.843	0.003	
9.199	4925	19763	4.013	0.000	
9.208	14115	20394	1.445	0.002	
9.219	12303	20691	1.682	0.001	
9.226	7266	20831	2.867	0.001	
9.233	15622	21000	1.344	0.002	14 C28
9.247	9280	20714	2.232	0.001	
9.262	45057	27849	0.618	0.006	
9.281	22651	23200	1.024	0.003	
9.304	13489	22820	1.692	0.001	
9.307	18038	22862	1.267	0.002	
9.328	8656	21778	2.516	0.001	
9.334	8635	21650	2.507	0.001	
9.343	16240	21738	1.339	0.002	
9.354	5409	21709	4.013	0.000	
9.367	16481	22234	1.349	0.002	
9.370	6683	22346	3.344	0.000	
9.382	14775	23166	1.568	0.002	
9.390	11679	23531	2.015	0.001	
9.394	12888	23584	1.830	0.001	
9.408	18752	23645	1.261	0.002	
9.416	4675	23396	5.004	0.000	
9.428	25138	24392	0.970	0.003	
9.438	20233	24095	1.191	0.002	
9.468	67429	26696	0.396	0.009	
9.496	8413	24122	2.867	0.001	
9.507	12049	24259	2.013	0.001	
9.527	36362	25771	0.709	0.005	
9.538	12891	25911	2.010	0.001	
9.543	6452	25853	4.007	0.000	
9.551	10420	26202	2.515	0.001	
9.557	29750	26593	0.894	0.004	
9.574	6252	25071	4.010	0.000	
9.593	29143	27655	0.949	0.004	
9.599	40783	27905	0.684	0.006	
9.620	13159	26364	2.004	0.001	
9.632	17259	26799	1.553	0.002	
9.640	13210	26592	2.013	0.001	
9.664	35362	28170	0.797	0.005	
9.672	27890	28134	1.009	0.004	
9.696	26737	28634	1.071	0.003	
9.711	53475	30848	0.577	0.007	
9.745	33266	29504	0.887	0.004	$ 15 Triacon Surr
9.752	7348	29501	4.015	0.001	
9.756	20542	29565	1.439	0.003	
9.768	7255	29059	4.005	0.001	
9.773	7275	29173	4.010	0.001	
9.785	31543	30611	0.970	0.004	
9.803	46804	32832	0.701	0.006	
9.821	10456	30060	2.875	0.001	
9.833	30772	31156	1.012	0.004	
9.860	77784	33514	0.431	0.011	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
9.881	12779	32069	2.510	0.001	
9.892	14531	32668	2.248	0.002	
9.896	8201	32902	4.012	0.001	
9.908	23357	33882	1.451	0.003	
9.912	27050	34095	1.260	0.003	
9.939	14585	32570	2.233	0.002	
9.951	23032	33095	1.437	0.003	
9.956	11596	33292	2.871	0.001	
9.966	16544	33271	2.011	0.002	
9.971	11660	33391	2.864	0.001	
9.975	10051	33617	3.345	0.001	
9.983	15209	33983	2.234	0.002	
9.988	15177	33830	2.229	0.002	
9.996	10128	33907	3.348	0.001	
10.018	43348	35629	0.822	0.006	
10.021	7133	35693	5.004	0.001	
10.025	8960	35988	4.016	0.001	
10.034	42064	36944	0.878	0.006	
10.063	65447	38699	0.591	0.009	
10.077	7375	36906	5.004	0.001	
10.083	16743	37428	2.235	0.002	
10.095	34467	38665	1.122	0.005	
10.118	90921	40621	0.447	0.013	
10.151	37738	38047	1.008	0.005	
10.158	11383	38037	3.342	0.001	
10.168	36074	38274	1.061	0.005	
10.181	15072	37809	2.509	0.002	16 C32
10.185	5655	37746	6.675	0.000	
10.198	43905	38471	0.876	0.006	
10.208	24771	38177	1.541	0.003	
10.218	19031	38113	2.003	0.002	
10.228	13353	38279	2.867	0.001	
10.237	21225	38826	1.829	0.003	
10.243	30946	38929	1.258	0.004	
10.266	43064	39733	0.923	0.006	
10.275	11912	39784	3.340	0.001	
10.278	19932	39886	2.001	0.002	
10.293	46366	40725	0.878	0.006	
10.318	46465	41024	0.883	0.006	
10.328	24720	41353	1.673	0.003	
10.334	10308	41278	4.005	0.001	
10.343	29100	41866	1.439	0.004	
10.354	22822	41695	1.827	0.003	
10.360	16568	41490	2.504	0.002	
10.376	31388	42321	1.348	0.004	
10.384	36478	43119	1.182	0.005	
10.393	21427	43144	2.014	0.003	
10.416	82339	44731	0.543	0.012	
10.434	23173	42257	1.824	0.003	
10.455	42801	43684	1.021	0.006	
10.459	19648	44004	2.240	0.002	
10.469	19632	43883	2.235	0.002	
10.492	56113	45807	0.816	0.008	
10.497	20626	45915	2.226	0.003	
10.503	27439	45837	1.671	0.004	
10.513	31833	45842	1.440	0.004	
10.523	6773	45190	6.672	0.001	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
10.529	22697	45513	2.005	0.003	
10.543	39087	46432	1.188	0.005	
10.552	16284	46719	2.869	0.002	
10.558	18796	47158	2.509	0.002	
10.576	69878	48769	0.698	0.010	
10.586	12085	48384	4.004	0.001	
10.592	21757	48469	2.228	0.003	
10.609	46960	50482	1.075	0.006	
10.616	40486	50812	1.255	0.005	17 C34
10.628	52392	50284	0.960	0.007	
10.665	99744	52644	0.528	0.014	
10.680	20832	52264	2.509	0.003	
10.699	126137	55939	0.443	0.018	
10.723	18258	52316	2.865	0.002	
10.733	65550	52928	0.807	0.009	
10.751	49102	51903	1.057	0.007	
10.765	10288	51490	5.005	0.001	
10.777	73220	52877	0.722	0.010	
10.791	15621	52150	3.338	0.002	
10.799	46819	52190	1.115	0.006	
10.817	52000	52328	1.006	0.007	
10.828	13014	52167	4.008	0.001	
10.833	18275	52280	2.861	0.002	
10.838	67284	52271	0.777	0.009	
10.860	15395	51401	3.339	0.002	
10.867	15366	51252	3.335	0.002	
10.874	25712	51608	2.007	0.003	
10.885	59363	52064	0.877	0.008	
10.901	33199	51247	1.544	0.004	
10.911	35859	51446	1.435	0.005	
10.925	15150	50526	3.335	0.002	
10.936	27761	50508	1.819	0.004	
10.954	40634	51235	1.261	0.005	
10.958	17973	51428	2.861	0.002	
10.982	101216	54997	0.543	0.014	
10.999	80380	54264	0.675	0.011	
11.022	15822	52869	3.342	0.002	
11.029	23878	53171	2.227	0.003	
11.032	23908	53219	2.226	0.003	
11.044	39793	53228	1.338	0.005	
11.053	13218	52959	4.007	0.001	19 C36
11.057	26491	53088	2.004	0.003	
11.069	47933	53454	1.115	0.007	
11.079	78088	52997	0.679	0.011	
11.132	4853	48537	10.002	0.000	
11.138	21933	48845	2.227	0.003	
11.148	46678	49317	1.057	0.006	
11.158	12248	49060	4.006	0.001	
11.164	14711	49102	3.338	0.002	
11.179	64473	49939	0.775	0.009	
11.192	19751	49439	2.503	0.002	
11.197	14848	49541	3.337	0.002	
11.202	17336	49566	2.859	0.002	
11.206	12400	49639	4.003	0.001	
11.212	56808	49881	0.878	0.008	
11.230	26830	48794	1.819	0.003	
11.263	19014	47590	2.503	0.002	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
11.267	11927	47790	4.007	0.001	
11.285	66432	50042	0.753	0.009	
11.308	17214	49235	2.860	0.002	
11.312	19684	49285	2.504	0.002	
11.322	19740	49570	2.511	0.002	
11.331	27467	50208	1.828	0.004	
11.334	12565	50301	4.003	0.001	
11.338	17617	50367	2.859	0.002	
11.356	50450	50688	1.005	0.007	
11.383	31641	48774	1.541	0.004	
11.392	14562	48589	3.337	0.002	
11.398	14566	48593	3.336	0.002	
11.405	21947	48858	2.226	0.003	
11.418	36961	49602	1.342	0.005	
11.428	52174	49838	0.955	0.007	
11.438	46900	49605	1.058	0.006	
11.456	66003	49218	0.746	0.009	
11.481	84312	48818	0.579	0.012	
11.518	39837	46996	1.180	0.005	
11.533	55836	46822	0.839	0.008	20 C38
11.560	30101	46465	1.544	0.004	
11.568	20916	46512	2.224	0.003	
11.573	11637	46596	4.004	0.001	
11.579	23274	46598	2.002	0.003	
11.586	13953	46531	3.335	0.002	
11.591	9318	46631	5.004	0.001	
11.623	97892	48831	0.499	0.014	
11.631	17107	48984	2.863	0.002	
11.638	22090	49260	2.230	0.003	
11.642	32050	49351	1.540	0.004	
11.669	95446	50981	0.534	0.014	
11.685	95822	49865	0.520	0.014	
11.788	8918	44609	5.002	0.001	
11.791	35704	44768	1.254	0.005	
11.804	11082	44350	4.002	0.001	
11.813	22172	44403	2.003	0.003	
11.823	19993	44543	2.228	0.002	
11.829	13395	44754	3.341	0.001	
11.837	20184	44981	2.228	0.002	
11.852	26933	44942	1.669	0.003	
11.866	36041	45224	1.255	0.005	
11.877	15835	45355	2.864	0.002	
11.883	18222	45726	2.509	0.002	
11.889	15985	45741	2.861	0.002	
11.896	20679	46117	2.230	0.003	
11.905	23259	46896	2.016	0.003	
11.929	70146	49826	0.710	0.010	
11.936	52288	50085	0.958	0.007	
11.951	14787	49369	3.339	0.002	
11.957	17313	49595	2.865	0.002	
11.961	32199	49647	1.542	0.004	
11.971	19578	49063	2.506	0.002	
11.980	34244	49065	1.433	0.005	
12.019	96987	51133	0.527	0.014	
12.025	48685	51499	1.058	0.007	
12.053	38386	51386	1.339	0.005	
12.062	38575	51549	1.336	0.005	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
12.070	17923	51300	2.862	0.002	
12.078	45780	51141	1.117	0.006	
12.105	31495	48817	1.550	0.004	
12.118	85510	48295	0.565	0.012	
12.148	55474	46657	0.841	0.008	21 C40
12.172	34299	45899	1.338	0.005	
12.181	18286	45754	2.502	0.002	
12.188	20565	45727	2.223	0.003	
12.198	29701	45787	1.542	0.004	
12.212	11377	45530	4.002	0.001	
12.218	29576	45566	1.541	0.004	
12.237	41054	45750	1.114	0.006	
12.243	13695	45701	3.337	0.002	
12.253	27528	46122	1.675	0.004	
12.260	16149	46201	2.861	0.002	
12.272	32473	46571	1.434	0.004	
12.347	231342	54259	0.235	0.034	
12.355	96470	54322	0.563	0.014	
12.383	13155	52687	4.005	0.001	
12.389	52817	52930	1.002	0.007	
12.434	117936	55204	0.468	0.017	
12.440	19323	55283	2.861	0.002	
12.448	22049	55156	2.502	0.003	
12.460	127044	56114	0.442	0.018	
12.500	63536	55700	0.877	0.009	
12.519	44746	56237	1.257	0.006	
12.523	16928	56556	3.341	0.002	
12.528	14154	56666	4.003	0.002	
12.532	14154	56644	4.002	0.002	
12.538	25607	57089	2.229	0.003	
12.543	31284	57010	1.822	0.004	
12.560	76588	57084	0.745	0.011	
12.574	22463	56167	2.500	0.003	
12.583	192414	56305	0.293	0.028	
12.668	201456	54098	0.269	0.029	
12.722	63529	49368	0.777	0.009	
12.744	14574	48683	3.340	0.002	
12.757	68233	49046	0.719	0.010	
12.777	29106	48653	1.672	0.004	
12.802	69072	49884	0.722	0.010	
12.805	19947	49915	2.502	0.002	
12.813	12457	49907	4.006	0.001	
12.826	42860	50672	1.182	0.006	
12.830	15192	50711	3.338	0.002	
12.835	63121	50727	0.804	0.009	
12.856	30109	50299	1.671	0.004	
12.871	12459	49875	4.003	0.001	
12.876	24950	49913	2.001	0.003	
12.883	12458	49860	4.002	0.001	
12.892	24999	50091	2.004	0.003	
12.904	37682	50442	1.339	0.005	
12.918	60965	51059	0.838	0.009	
12.929	15268	50972	3.338	0.002	
12.950	101236	52476	0.518	0.014	
12.991	32619	50285	1.542	0.004	
13.030	23826	47690	2.002	0.003	
13.047	49429	47410	0.959	0.007	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
13.072	11668	46709	4.003	0.001	
13.077	14056	46964	3.341	0.002	
13.083	21201	47214	2.227	0.003	
13.092	45034	47490	1.055	0.006	
13.103	33139	47401	1.430	0.004	
13.119	58622	47300	0.807	0.008	
13.136	61979	46406	0.749	0.009	
13.163	36232	45399	1.253	0.005	
13.172	13552	45219	3.337	0.002	
13.178	13550	45211	3.337	0.002	
13.183	13581	45318	3.337	0.002	
13.188	15867	45365	2.859	0.002	
13.193	11350	45433	4.003	0.001	
13.206	54879	45909	0.837	0.008	
13.233	74220	46899	0.632	0.010	
13.246	18724	46923	2.506	0.002	
13.250	14089	47028	3.338	0.002	
13.254	9392	46999	5.004	0.001	
13.261	35241	47103	1.337	0.005	
13.270	21093	46884	2.223	0.003	
13.278	16404	46889	2.858	0.002	
13.284	28108	46937	1.670	0.004	
13.309	27777	46575	1.677	0.004	
13.313	11643	46617	4.004	0.001	
13.323	30391	46938	1.544	0.004	
13.337	49696	47554	0.957	0.007	
13.345	11906	47686	4.005	0.001	
13.352	21499	47921	2.229	0.003	
13.358	14416	48133	3.339	0.002	
13.366	24163	48487	2.007	0.003	
13.391	108474	49842	0.459	0.016	
13.411	39818	49922	1.254	0.005	
13.421	140245	49882	0.356	0.020	
13.468	75433	46221	0.613	0.011	
13.519	59701	44435	0.744	0.008	
13.538	26345	44021	1.671	0.003	
13.553	17475	43727	2.502	0.002	
13.559	19699	43828	2.225	0.002	
13.566	15324	43832	2.860	0.002	
13.574	28519	43956	1.541	0.004	
13.585	21950	43943	2.002	0.003	
13.595	26497	44341	1.673	0.003	
13.603	22230	44574	2.005	0.003	
13.608	11135	44585	4.004	0.001	
13.633	100703	46371	0.460	0.014	
13.650	25255	45974	1.820	0.003	
13.663	20511	45675	2.227	0.003	
13.670	15945	45584	2.859	0.002	
13.677	40973	45642	1.114	0.006	
13.688	4544	45448	10.002	0.000	
13.693	29520	45508	1.542	0.004	
13.718	24720	44995	1.820	0.003	
13.727	11216	44890	4.002	0.001	
13.735	29185	45025	1.543	0.004	
13.752	17874	44782	2.505	0.002	
13.767	35874	45020	1.255	0.005	
13.775	36036	45104	1.252	0.005	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
13.785	11226	44939	4.003	0.001	
13.790	47016	44953	0.956	0.006	
13.813	11118	44516	4.004	0.001	
13.818	37641	44507	1.182	0.005	
13.832	15424	44192	2.865	0.002	
13.838	17564	43967	2.503	0.002	
13.844	26339	43892	1.666	0.003	
13.855	30567	43821	1.434	0.004	
13.865	23854	43526	1.825	0.003	
13.882	28266	43639	1.544	0.004	
13.886	30418	43629	1.434	0.004	
13.901	34702	43472	1.253	0.005	
13.920	48162	44005	0.914	0.007	
13.928	17577	43956	2.501	0.002	
13.941	15410	44084	2.861	0.002	
13.946	11045	44251	4.006	0.001	
13.949	24369	44341	1.820	0.003	
13.959	22103	44264	2.003	0.003	
13.967	22088	44195	2.001	0.003	
13.976	33207	44336	1.335	0.004	18 Filter Peak
13.998	24195	44018	1.819	0.003	
14.007	15335	43888	2.862	0.002	
14.014	17519	43863	2.504	0.002	
14.019	54335	43870	0.807	0.008	
14.046	10722	42915	4.003	0.001	
14.052	19305	42955	2.225	0.002	
14.058	8568	42864	5.003	0.001	
14.067	38739	43159	1.114	0.005	
14.077	15012	42931	2.860	0.002	
14.083	25753	42977	1.669	0.003	
14.102	25682	42913	1.671	0.003	
14.108	19267	42865	2.225	0.002	
14.116	12834	42815	3.336	0.001	
14.126	25874	43369	1.676	0.003	
14.133	56339	43595	0.774	0.008	
14.161	32503	43582	1.341	0.004	
14.165	10909	43696	4.006	0.001	
14.170	15313	43822	2.862	0.002	
14.175	10960	43911	4.007	0.001	
14.178	13176	43945	3.335	0.001	
14.183	19785	43976	2.223	0.002	
14.191	8796	44018	5.005	0.001	
14.197	17636	44177	2.505	0.002	
14.208	28815	44459	1.543	0.004	
14.219	8873	44379	5.002	0.001	
14.223	13318	44445	3.337	0.001	
14.229	28860	44456	1.540	0.004	
14.247	15436	44194	2.863	0.002	
14.260	37147	43758	1.178	0.005	
14.274	45685	43705	0.957	0.006	
	677340272	268782821		100.000	

Total unknown % area = 25.478

Certificate of Analysis

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Produced by Phenova
6390 Joyce Drive STE 100, Golden, CO 80403 USA ▪ Tel: 303-940-0033 ▪ Fax: 303-940-0043 ▪ info@phenova.com
Access your Safety Data Sheets and digital Certificates at **www.phenova.com/documents.**

Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101244
Description: Benzidines Standard
Storage: 4 °C
Provided As: 1 mL in 2 mL Ampoule in Methylene Chloride

Lot Number: CL17662
Certification Date: December 2, 2021
Expiration Date: November 30, 2031

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Benzidine	92-87-5	2000	± 0.211%
3,3'-Dichlorobenzidine	91-94-1	2000	± 1.305%

K3236

Certificate of Analysis

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Access your Safety Data Sheets and digital Certificates at www.phenova.com/documents.

1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO 17034[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in calibration, calibration verification, quantification, identification and other appropriate analytical control applications. The product is intended for routine laboratory analysis and research purposes only. Only trained personnel should handle this product.

4. Handling and Usage Notes: Store according to recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects, and additional transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm the opened product is fit for purpose under repeated use conditions.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

$$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31 – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35 – Reference Material – General and Statistical Principles for Certification.
[3] ISO 17034 – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

Reference Materials Producer
Cert #2495.01

Certificate of Analysis

Chemical Testing
Cert #2495.02

Catalog Number: ECS-A-030 **Lot No.** AA210126005

Description: Base/Neutrals Mix 1

Matrix: Methylene Chloride

Manufactured Date: 1-26-2021

Expiration Date: 1-26-2024

This **SPEXOrganics**® Certified Reference Material, CRM, is intended primarily for use as a calibration standard or quality control standard for organic chromatography instrumentation such as GC, GC-MS, LC, and LC-MS. It can be employed in USEPA, ASTM and other methods relevant to the certified properties listed below.

Certified Compounds:

Compound	CAS #	Labeled	Purity	Certified†	Uncertainty
1,2,4-Trichlorobenzene	120-82-1	2000 µg/mL	99%	2010 µg/mL	± 50 µg/mL
1,2-Dichlorobenzene	95-50-1	2000 µg/mL	99%	2002 µg/mL	± 50 µg/mL
1,3-Dichlorobenzene	541-73-1	2000 µg/mL	98%	2021 µg/mL	± 51 µg/mL
1,4-Dichlorobenzene	106-46-7	2000 µg/mL	99%	2012 µg/mL	± 50 µg/mL
2,4-Dinitrotoluene	121-14-2	2000 µg/mL	97%	2006 µg/mL	± 50 µg/mL
2,6-Dinitrotoluene	606-20-2	2000 µg/mL	99.6%	2012 µg/mL	± 50 µg/mL
2-Chloronaphthalene	91-58-7	2000 µg/mL	98%	2004 µg/mL	± 50 µg/mL
4-Bromodiphenyl ether	101-55-3	2000 µg/mL	99%	2022 µg/mL	± 51 µg/mL
4-Chlorophenyl-phenyl ether	7005-72-3	2000 µg/mL	98%	2001 µg/mL	± 50 µg/mL
Azobenzene	103-33-3	2000 µg/mL	98%	2001 µg/mL	± 50 µg/mL
Bis(2-chloro-1-methylethyl) ether	108-60-1	2000 µg/mL	98.9%	2010 µg/mL	± 50 µg/mL
bis(2-Chloroethoxy)methane	111-91-1	2000 µg/mL	97%	2001 µg/mL	± 50 µg/mL
bis(2-Chloroethyl)ether	111-44-4	2000 µg/mL	99%	2002 µg/mL	± 50 µg/mL
Bis(2-Ethylhexyl)phthalate	117-81-7	2000 µg/mL	99%	2003 µg/mL	± 50 µg/mL
Butylbenzyl phthalate	85-68-7	2000 µg/mL	98%	2000 µg/mL	± 50 µg/mL
Carbazole	86-74-8	2000 µg/mL	95%	2009 µg/mL	± 50 µg/mL
Di-n-butyl phthalate	84-74-2	2000 µg/mL	99%	2020 µg/mL	± 50 µg/mL
Di-n-octyl phthalate	117-84-0	2000 µg/mL	98%	2000 µg/mL	± 50 µg/mL
Diethyl phthalate	84-66-2	2000 µg/mL	99.5%	2002 µg/mL	± 50 µg/mL
Dimethyl phthalate	131-11-3	2000 µg/mL	99%	2006 µg/mL	± 50 µg/mL
Hexachlorobenzene	118-74-1	2000 µg/mL	99%	2003 µg/mL	± 50 µg/mL
Hexachlorobutadiene	87-68-3	2000 µg/mL	97%	2003 µg/mL	± 50 µg/mL
Hexachlorocyclopentadiene	77-47-4	2000 µg/mL	99%	2003 µg/mL	± 50 µg/mL
Hexachloroethane	67-72-1	2000 µg/mL	98%	2003 µg/mL	± 50 µg/mL
Isophorone	78-59-1	2000 µg/mL	97%	2003 µg/mL	± 50 µg/mL
N-Nitrosodi-n-propylamine	621-64-7	2000 µg/mL	98%	2000 µg/mL	± 50 µg/mL
N-Nitrosodiphenylamine	86-30-6	2000 µg/mL	97%	2001 µg/mL	± 50 µg/mL
Nitrobenzene	98-95-3	2000 µg/mL	99%	2001 µg/mL	± 50 µg/mL
Pyridine	110-86-1	2000 µg/mL	99%	2004 µg/mL	± 50 µg/mL
N-Nitrosodimethylamine	62-75-9	2000 µg/mL	97%	2000 µg/mL	± 50 µg/mL

Certificate of Reference Material

Catalog Number: ECS-A-030

Description: Base/Neutrals Mix 1

Matrix: Methylene Chloride

Lot No. AA210126005

Manufactured Date: 1-26-2021

Expiration Date: 1-26-2024

Final Solution Verification:

Final solution integrity verified by Gas Chromatography/Mass Spectrometry. The mass spectrum of each compound was confirmed against the NIST mass spectral database.

† Certified concentration based on gravimetric weights and corrected for the purity of the compound(s) used to prepare the standard. Analytical balance calibration is verified daily with C1 weight set #23-190006 which is registered with Atlantic Scale, and traceable to NIST and NJ Division of Weights and Measures.

This CRM is guaranteed stable and accurate to within the uncertainty listed for the certified value. This includes uncertainty components due to preparation, homogeneity, short term and long term stability. During the stated period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution. For further information, contact the Sales Support Department at crmsales@spexcsp.com.

Date of Certification: 1-26-2021

Certifying Officer: Shannon Mora

Report of Certification

Catalog Number: ECS-A-030 **Lot No.** AA210126005

Description: Base/Neutrals Mix 1

Matrix: Methylene Chloride

Manufactured Date: 1-26-2021

Expiration Date: 1-26-2024

This Certified Reference Material (CRM) has been prepared and certified under an ISO 9001:2008, ISO 17025:2005, and ISO Guide 34:2009 Quality System consistent with the following standards:

- ISO 9001:2008: Quality management systems - Requirements - Certified by UL-DQS
- ISO 17025:2005: General Requirements for the Competence of Testing and Calibration Laboratories - Accredited by A2LA
- ISO Guide 34:2009: General Requirements for the Competence of Reference Material Producers - Accredited by A2LA
- ISO Guide 31:2000: Reference Materials - Contents of Certificates and Labels
- ISO Guide 35:2006: Reference Materials - General and statistical principals for certification
- Guide to the Expression of Uncertainty in Measurement 1997
- EURACHEM/CITAC Guide: Qualifying Uncertainty in Analytical Measurements - Second Edition
- ASTM Guide D6362-98
- NIST Technical Note 1297
- ILAC-G12-2000: Guidelines for the requirements for the competence of reference material producers
- ISO/REMCO N280

Storage Requirements:

To ensure the stability of the product once it arrives in your laboratory , please store this product in a refrigerator (2°C to 8°C). Note: Shipping conditions may differ from storage conditions. The EXPIRATION DATE is calculated from the MANUFACTURED DATE using our stability data and is applicable only if the product is unopened and stored under the prescribed conditions.

Instructions for Use:

Let material come to room temperature before use. Check for precipitate and if necessary sonicate for one minute. If compounds do not dissolve after one minute then sonicate further until the product is dissolved. A clear appearance is acceptable. The minimum recommended amount that should be removed from this vial is 5 µL with a 25µL gas tight syringe. All solutions should be thoroughly mixed, by shaking, prior to use. All surfaces that come in contact with the solution must be thoroughly cleaned prior to use. Dilutions should be performed only with Class A volumetric glassware.

Material Source:

All analytes and matrix materials are obtained and verified by SPEX CertiPrep from pre-qualified vendors as per ISO guidelines. Vendor identifications are proprietary, however sources of all materials used in the preparation and testing of SPEX CertiPrep CRMs are tracked and documented. For assistance, please contact sales support at crmsales@spexcsp.com.

Method of Preparation:

Clean laboratory procedures and techniques have been used throughout the preparation. All materials, equipment, and analytical instrumentation have been qualified prior to use. The highest purity solvents and Class A / calibrated volumetrics have been been used in all preparations.

Homogeneity:

The homogeneity of this CRM has been confirmed by procedures consistent with ISO 17025:2005, ISO Guide 34:2009, and ASTM D6362-98 Appendix X2. Random, replicate samples of the final, packaged material have been analyzed to prove homogeneity in accordance with our internal procedure 4300-HOMOGEN-1A. This is consistent with the intended use of this CRM. The Degree of Homogeneity, as expressed as maximum between-bottle variation, is 1.2%

Statistical Estimator and Confidence Limits:

The Certified value 'X' as listed on the reverse of this document is at the 95% level of confidence and can be expressed as:

- $X = x \pm U$ where X=certified value, U=expanded uncertainty, x=property value
- $U = ku_c$ where k=2 is the coverage factor at the 95% confidence level
- u_c = combined standard uncertainty obtained by combining the individual compound standard uncertainty components u_i, where $u_c = \sqrt{\sum u_i^2}$

Legal Notice:

SPEX CertiPrep Certified Reference Materials are not for any cosmetic, drug, or household application and are to be used only by qualified individuals who are trained in appropriate procedures. No claims against SPEX CertiPrep of any kind whatsoever, whether based on breech of warranty, alleged negligence, or otherwise, with respect to this Reference Material shall be greater than the purchase price. In no event shall SPEX CertiPrep be liable for any loss of profits or any incidental, special, or consequential damages.

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Accredited to 17025 & Guide 34 ISO Certified to 9001

ACCREDITED
Reference Materials Producer
Cert #2495.01

ECS

Certificate of Analysis

ilac-MRA ACCREDITED
Chemical Testing
Cert #2495.02

Catalog Number: ECS-A-030 **Lot No.** AA210126005

Description: Base/Neutrals Mix 1

Matrix: Methylene Chloride

Manufactured Date: 1-26-2021

Expiration Date: 1-26-2024

This **SPEXOrganics®** Certified Reference Material, CRM, is intended primarily for use as a calibration standard or quality control standard for organic chromatography instrumentation such as GC, GC-MS, LC, and LC-MS. It can be employed in USEPA, ASTM and other methods relevant to the certified properties listed below.

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Compound	CAS #	Labeled	Purity	Certified†	Uncertainty
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2-Chloronaphthalene	91-58-7	2000 µg/mL	98%	2004 µg/mL	± 50 µg/mL
4-Bromodiphenyl ether	101-55-3	2000 µg/mL	99%	2022 µg/mL	± 51 µg/mL
4-Chlorophenyl-phenyl ether	7005-72-3	2000 µg/mL	98%	2001 µg/mL	± 50 µg/mL
Azobenzene	103-33-3	2000 µg/mL	98%	2001 µg/mL	± 50 µg/mL
Bis(2-chloro-1-methylethyl) ether	108-60-1	2000 µg/mL	98.9%	2010 µg/mL	± 50 µg/mL
bis(2-Chloroethoxy)methane	111-91-1	2000 µg/mL	97%	2001 µg/mL	± 50 µg/mL
bis(2-Chloroethyl)ether	111-44-4	2000 µg/mL	99%	2002 µg/mL	± 50 µg/mL
Bis(2-Ethylhexyl)phthalate	117-81-7	2000 µg/mL	99%	2003 µg/mL	± 50 µg/mL
Butylbenzyl phthalate	85-68-7	2000 µg/mL	98%	2000 µg/mL	± 50 µg/mL
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Hexachlorocyclopentadiene	77-47-4	2000 µg/mL	99%	2003 µg/mL	± 50 µg/mL
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Isophorone	78-59-1	2000 µg/mL	97%	2003 µg/mL	± 50 µg/mL
N-Nitrosodi-n-propylamine	621-64-7	2000 µg/mL	98%	2000 µg/mL	± 50 µg/mL
N-Nitrosodiphenylamine	86-30-6	2000 µg/mL	97%	2001 µg/mL	± 50 µg/mL
Nitrobenzene	98-95-3	2000 µg/mL	99%	2001 µg/mL	± 50 µg/mL
Pyridine	110-86-1	2000 µg/mL	99%	2004 µg/mL	± 50 µg/mL
N-Nitrosodimethylamine	62-75-9	2000 µg/mL	97%	2000 µg/mL	± 50 µg/mL

K004542

Certificate of Reference Material

Catalog Number: ECS-A-030

Description: Base/Neutrals Mix 1

Matrix: Methylene Chloride

Lot No. AA210126005

Manufactured Date: 1-26-2021

Expiration Date: 1-26-2024

Final Solution Verification:

Final solution integrity verified by Gas Chromatography/Mass Spectrometry. The mass spectrum of each compound was confirmed against the NIST mass spectral database.

† Certified concentration based on gravimetric weights and corrected for the purity of the compound(s) used to prepare the standard. Analytical balance calibration is verified daily with C1 weight set #23-190006 which is registered with Atlantic Scale, and traceable to NIST and NJ Division of Weights and Measures.

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Date of Certification: 1-26-2021

Certifying Officer: Shannon Nave

Report of Certification

Catalog Number: ECS-A-030 **Lot No.** AA210126005

Description: Base/Neutrals Mix 1

Matrix: Methylene Chloride

Manufactured Date: 1-26-2021

Expiration Date: 1-26-2024

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- ISO Guide 31:2000: Reference Materials - Contents of Certificates and Labels
- ISO Guide 35:2006: Reference Materials - General and statistical principals for certification
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- EURACHEM/CITAC Guide: Qualifying Uncertainty in Analytical Measurements - Second Edition
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Material Source:

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Method of Preparation:

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Homogeneity:

The homogeneity of this CRM has been confirmed by procedures consistent with ISO 17025:2005, ISO Guide 34:2009, and ASTM D6362-98 Appendix X2. Random, replicate samples of the final, packaged material have been analyzed to prove homogeneity in accordance with our internal procedure 4300-HOMOGEN-1A. This is consistent with the intended use of this CRM. The Degree of Homogeneity, as expressed as maximum between-bottle variation, is 1.2%

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- $X = x \pm U$ where X=certified value, U=expanded uncertainty, x=property value
- $U = ku_c$ where k=2 is the coverage factor at the 95% confidence level
- u_c = combined standard uncertainty obtained by combining the individual compound standard uncertainty components u_i where $u_c = \sqrt{\sum u_i^2}$

Legal Notice:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31493 **Lot No.:** A0181243

Description : CLP 04.1 BNA Surrogate Mix

CLP 04.1 BNA Surrogate Mix 1000-1500 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2025 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

05/11/22

K004545
CLP 04.1 BNA SURR MIX
Solvent / Lot: AO175316
Prep: 5/11/2022 by JZ
Exp: 10/20/2025
Location:

Elution Order	Compound		Gr (weig					
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBJ2508)	1,50		+/-	53.3632	µg/mL	Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	1,506.0	µg/mL	+/- +/- +/-	8.9452 43.9882 53.3632	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	2-Chlorophenol-d4 **CAS #** 93951-73-6 **Purity** 99%	(Lot PR-30568)	1,510.0	µg/mL	+/- +/- +/-	8.9689 44.1050 53.5049	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	1,2-Dichlorobenzene-d4 **CAS #** 2199-69-1 **Purity** 99%	(Lot PR-32542/022621DB1	1,004.0	µg/mL	+/- +/- +/-	5.9635 29.3255 35.5754	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	Nitrobenzene-d5 **CAS #** 4165-60-0 **Purity** 99%	(Lot PR-29940A)	1,008.0	µg/mL	+/- +/- +/-	5.9872 29.4423 35.7172	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	2-Fluorobiphenyl **CAS #** 321-60-8 **Purity** 99%	(Lot 19169)	1,006.0	µg/mL	+/- +/- +/-	5.9753 29.3839 35.6463	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
7	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	1,506.0	µg/mL	+/- +/- +/-	8.9452 43.9882 53.3632	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Certificate of Analysis

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Produced by Phenova
6390 Joyce Drive STE 100, Golden, CO 80403 USA ▪ Tel: 303-940-0033 ▪ Fax: 303-940-0043 ▪ info@phenova.com
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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.:	AL0-101246	**Lot Number:**	CL17953
Description:	Benzoic Acid	**Certification Date:**	January 31, 2022
Storage:	4 °C	**Expiration Date:**	January 31, 2032
Provided As:	1 mL in 2 mL Ampoule in Methylene Chloride		

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Benzoic acid	65-85-0	2000	± 2.714%

K004603
Benzoic Acid @2000ug/ml
Solvent / Lot: N/A
Prep: 5/13/2022 by JZ
Exp: 1/31/2032
Location: GC

5/13/22

ACCREDITED
Reference Material Producer
Certicate No. 2427.02

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Phenova is an accredited ISO/IEC 17034 Reference Material Producer and ISO/IEC 17025 accredited Chemical Testing Laboratory.

ACCREDITED
Chemical Testing Laboratory
Certicate No. 2427.03

IL64691018 us

Certificate of Analysis

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Certified Reference Material

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Catalog No.: AL0-101244
Description: Benzidines Standard
Storage: 4 °C
Provided As: 1 mL in 2 mL Ampoule in Methylene Chloride

Lot Number: CL17662
Certification Date: December 2, 2021
Expiration Date: November 30, 2031

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Benzidine	92-87-5	2000	± 0.211%
3,3'-Dichlorobenzidine	91-94-1	2000	± 1.305%

K004604
Benzidines std @2000ug/ml
Solvent / Lot: MeCl2
Prep: 5/13/2022 by JZ
Exp: 11/30/2031
Location: GC

5/13/22

ACCREDITED
Reference Material Producer
Certicate No. 2427.02

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Phenova is an accredited ISO/IEC 17034 Reference Material Producer and ISO/IEC 17025 accredited Chemical Testing Laboratory.

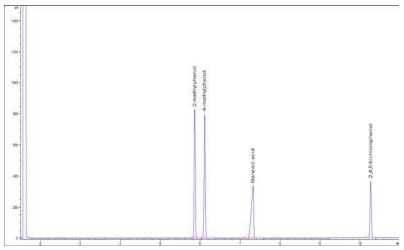
ACCREDITED
Chemical Testing Laboratory
Certicate No. 2427.03

IL64691018_us

Certificate of Analysis - Certified Reference Material

EPA TCL Hazardous Substances Mix 1

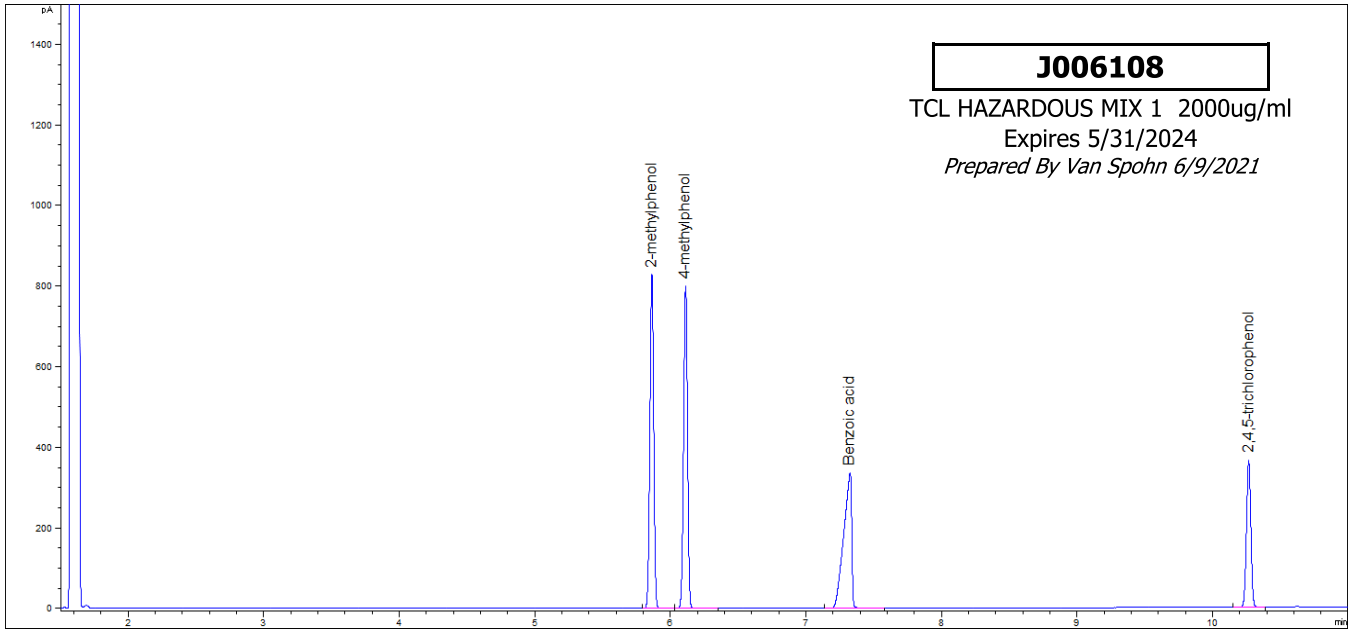
Product no.: 48907
Lot no.: LRAC9610
Expiry Date: May 2024
Manufacturing Date: May 2021
Storage: Refrigerate
Solvent/Matrix: DICHLOROMETHANE
Certificate version: LRAC9610.01 *(Note: Certificates may be updated due to the availability of new data. Check our website at: www.sigma-aldrich.com for the most current version.)*



Certified Values:

Analyte	*Certified Value*	*Units*	*Raw Material Purity,%*	*Elution order*	*Raw Material Lot*
2-METHYLPHENOL CAS# 95-48-7	2004 ± 9	µg/mL	99.0	1	G1735A
4-METHYLPHENOL CAS# 106-44-5	2004 ± 13	µg/mL	98.9	2	06921MG
BENZOIC ACID CAS# 65-85-0	2012 ± 6	µg/mL	99.9	3	LC16514
2,4,5-TRICHLOROPHENOL CAS# 95-95-4	2003 ± 6	µg/mL	99.9	4	JS00008

Informational Values:



Additional Information:
Analytical Method Parameters:
Column: Equity-5, 30 m × 0.53 mm I.D., 1.5 µm film thickness (Column #98)
Carrier Gas: H2, Flow: 4.5 mL/min
Inlet Temperature: 170 °C, Injection Volume: 1 µL
Injection Mode: Split, Split Ratio: 20:1

Sigma-Aldrich RTC, 2931 Soldier Springs Rd. Laramie, WY 82070, USA;
Tel. 1 307-742-5452; Fax 1 855-831-9211; www.sigmaaldrich.com
Sigma-Aldrich RTC is a subsidiary of Merck KGaA, Darmstadt, Germany.

Temperature Program: 80 °C @ 10 °C/min to 190 °C (Hold 5 min)
Detector: FID
Detector Temperature: 310 °C

Metrological traceability: Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. The balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.

Measurement method: Where applicable, the assigned value is based on a purity determination by mass balance and gravimetrically prepared value.

Intended use: Intended for R&D and Analytical Use only. Not for drug, household or other uses.

Packaging: 1 mL in amber ampule

Instructions for handling and correct use: Use on the as is basis. The internal pressure of the container may be slightly different from the atmospheric pressure at the user`s location. Open slowly and carefully to avoid dispersion of the material.

Health and safety information: All chemical reference materials should be considered potentially hazardous and should be used only by qualified laboratory personnel. Please refer to the Safety Data Sheet for detailed information about the nature of any hazard and appropriate precautions to be taken.

Accreditation: Sigma-Aldrich RTC is accredited by the US accreditation authority ANAB as a registered reference material producer AR-1470 in accordance with ISO 17034.

Certificate issue date: 20-May-2021

Andy Ommen - QC Manager

Mark Pooler - QA Supervisor

Details on metrological traceability: This standard has been gravimetrically prepared using balances that have been fully qualified and calibrated to ISO 17025 requirements. All calibrations utilize NIST traceable weights which are calibrated externally by a qualified ISO 17025 accredited calibration laboratory to NIST standards. Qualification of each balance includes the assignment of a minimum weighing by a qualified and ISO 17025 accredited calibration vendor taking into consideration the balance and installed environmental conditions to ensure compliance with USP tolerances of NMT 0.10% relative error. Fill volume to predetermined specifications is gravimetrically verified throughout the dispensing process using qualified and calibrated balances. Further traceability to a corresponding Primary Standard may be achieved through a direct comparison assay. Where a Primary Standard is available, the assay value will be included in the specified section of the COA.

Associated uncertainty: Ucrm - Uncertainty values in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a *t*-distribution and degrees of freedom. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical representation of the Ucrm calculation is as follows:

$$u_{CRM} = \sqrt{u_{char}^2 + u_{\text{hom}\ ogeneity}^2 + u_{stability}^2}$$

Homogeneity assessment: Homogeneity was assessed in accordance with ISO Guide 35. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared by Single Factor Analysis of Variance (ANOVA). The uncertainty due to homogeneity was derived from the ANOVA. Heterogeneity was not detected under the conditions of the ANOVA.

Stability assessment: Significance of the stability assessment will be demonstrated if the analytical result of the study and the range of values represented by the Expanded Uncertainty do not overlap the result of the original assay and the range of its values represented by the Expanded Uncertainty. The method employed will usually be the same method used to characterize the assay value in the initial

Certificate of analysis revision history:

Certificate version	Date	Reason for version
LRAC9610.01	20-May-2021	Original Release Date

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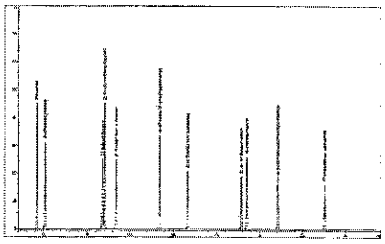
Supelco®

www.sigmaaldrich.com

Certificate of Analysis - Certified Reference Material

EPA TCL Phenols Mix

Product no.: 48904
Lot no.: LRAD0139
Expiry Date: July 2024
Manufacturing Date: July 2021
Storage: REFRIGERATE
Solvent/Matrix: DICHLOROMETHANE
Certificate version: LRAD0139.01 *(Note: Certificates may be updated due to the availability of new data. Check our website at: www.sigma-aldrich.com for the most current version.)*



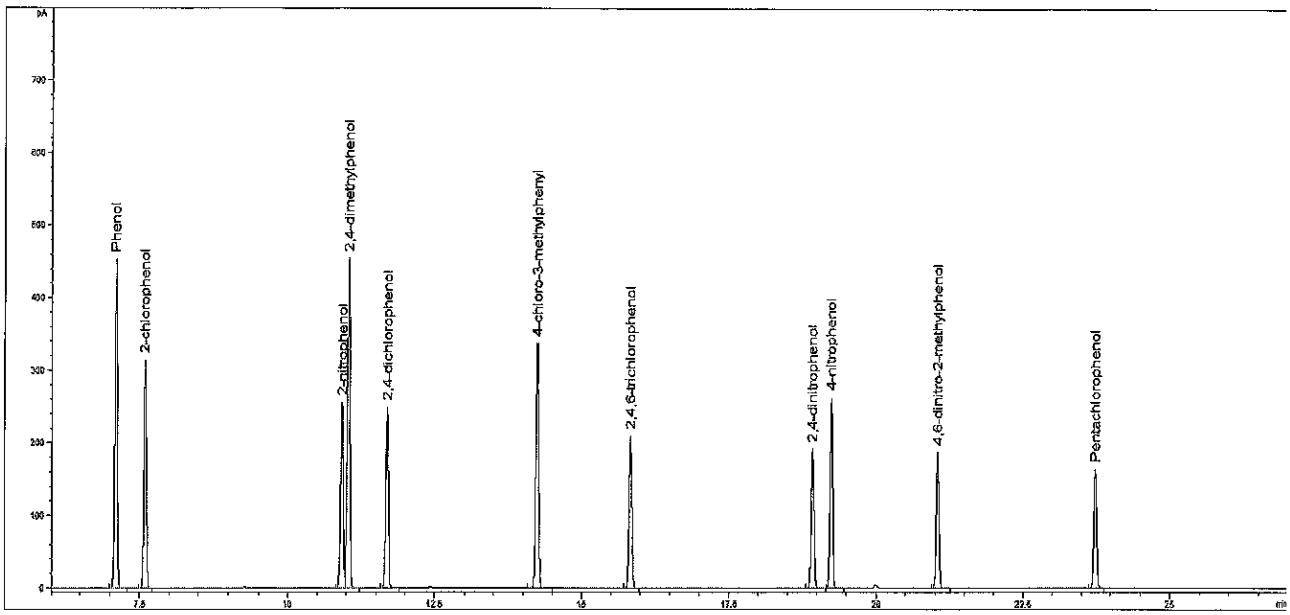
Certified Values:

Analyte	*Certified Value*	*Units*	*Raw Material Purity,%*	*Raw Material Lot*
2-CHLOROPHENOL CAS# 95-57-8	2001 ± 25	µg/mL	99.9	STBG3033V
2-NITROPHENOL CAS# 88-75-5	1999 ± 18	µg/mL	99.3	15905BB
2,4-DIMETHYLPHENOL CAS# 105-67-9	2000 ± 14	µg/mL	99.2	05421CO
2,4-DICHLOROPHENOL CAS# 120-83-2	2000 ± 17	µg/mL	99.5	03221TN
4-CHLORO-3-METHYLPHENOL CAS# 59-50-7	2000 ± 5	µg/mL	99.9	JS00013
2,4,6-TRICHLOROPHENOL CAS# 88-06-2	2002 ± 5	µg/mL	99.5	04212PS
2,4-DINITROPHENOL CAS# 51-28-5	2000 ± 28	µg/mL	66.9	STBJ5751
4-NITROPHENOL CAS# 100-02-7	2000 ± 33	µg/mL	99.0	04628LT
2-METHYL-4,6-DINITROPHENOL CAS# 534-52-1	2000 ± 27	µg/mL	99.7	LC18338
PENTACHLOROPHENOL CAS# 87-86-5	1999 ± 25	µg/mL	97.9	MKCD2150

ASSAY Method

J013597
TCL Phenols Mix 2000ug/ml
Solvent / Lot: LRAD0139
Prep: 12/30/2021 by VS
Exp: 7/31/2024
Location:

Sigma-Aldrich RTC, 2931 Soldier Springs Rd. Laramie, WY 82070, USA;
Tel. 1 307-742-5452; Fax 1 855-831-9211; www.sigmaaldrich.com
Sigma-Aldrich RTC is a subsidiary of Merck KGaA, Darmstadt, Germany.



METHOD: GC (Bellefonte Method)

Column: SPB-5, 30 m × 0.53 mm I.D., 1.5 µm film thickness
Carrier Gas: H_2 Flow Rate: 4.5 mL/min
Inlet Temperature: 200 °C Injection Volume: 1.0 µL
Injection Mode: 25:1
Temperature Program: 80 °C (Hold 2 min) @ 6 °C/min to 260 °C (Hold 5 min)
Detector: FID Temperature: 310 °C

Elution details:

EO	RT(MIN)	ANALYTE
1	7.095	Phenol
2	7.585	2-chlorophenol
3	10.925	2-nitrophenol
4	11.037	2,4-dimethylphenol
5	11.696	2,4-dichlorphenol
6	14.242	4-chloro-3-m3thylphenol
7	15.842	2,4,6-trichlorophenol
8	18.93	2,4-dinitrophenol
9	19.25	4-nitrophenol
10	21.05	4,6-dinitro-2-methylphenol
11	23.752	Pentachlorophenol

Metrological traceability: Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. The balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.

Measurement method: Where applicable, the assigned value is based on a purity determination by mass balance and gravimetrically prepared value.

Intended use: Intended for R&D and Analytical Use only. Not for drug, household or other uses.

Packaging: 1 mL in amber ampule

Instructions for handling and correct use: Use on the as is basis. The internal pressure of the container may be slightly different from the atmospheric pressure at the user`s location. Open slowly and carefully to avoid dispersion of the material.

Health and safety information: All chemical reference materials should be considered potentially hazardous and should be used only by qualified laboratory personnel. Please refer to the Safety Data Sheet for detailed information about the nature of any hazard and appropriate precautions to be taken.

Accreditation: Sigma-Aldrich RTC is accredited by the US accreditation authority ANAB as a registered reference material producer AR-1470 in accordance with ISO 17034.

Certificate issue date: 12-Jul-2021

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

Andy Ommen - QC Manager

Mark Pooler - QA Supervisor

Details on metrological traceability: This standard has been gravimetrically prepared using balances that have been fully qualified and calibrated to ISO 17025 requirements. All calibrations utilize NIST traceable weights which are calibrated externally by a qualified ISO 17025 accredited calibration laboratory to NIST standards. Qualification of each balance includes the assignment of a minimum weighing by a qualified and ISO 17025 accredited calibration vendor taking into consideration the balance and installed environmental conditions to ensure compliance with USP tolerances of NMT 0.10% relative error. Fill volume to predetermined specifications is gravimetrically verified throughout the dispensing process using qualified and calibrated balances. Further traceability to a corresponding Primary Standard may be achieved through a direct comparison assay. Where a Primary Standard is available, the assay value will be included in the specified section of the COA.

Associated uncertainty: Ucrm - Uncertainty values in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a *t*-distribution and degrees of freedom. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical representation of the Ucrm calculation is as follows:

$$u_{CRM} = \sqrt{u_{char}^2 + u_{hom\ ogeneity}^2 + u_{stability}^2}$$

Homogeneity assessment: Homogeneity was assessed in accordance with ISO Guide 35. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared by Single Factor Analysis of Variance (ANOVA). The uncertainty due to homogeneity was derived from the ANOVA. Heterogeneity was not detected under the conditions of the ANOVA.

Stability assessment: Significance of the stability assessment will be demonstrated if the analytical result of the study and the range of values represented by the Expanded Uncertainty do not overlap the result of the original assay and the range of its values represented by the Expanded Uncertainty. The method employed will usually be the same method used to characterize the assay value in the initial

Certificate of analysis revision history:

Certificate version	Date	Reason for version
LRAD0139.01	12-Jul-2021	Original Release Date

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Certificate of Analysis

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101444
Description: 8270 Calibration Standard
Storage: -18 °C
Provided As: 1 mL in 2 mL Ampoule in MeCl2/Methanol (97:3)

Lot Number: CL18355
Certification Date: July 25, 2022
Expiration Date: August 31, 2023

K007995
SVOA-8270 LCS MIX 1000ug/ml
Solvent / Lot: N/A
Prep: 8/29/2022 by JZ
Exp: 8/31/2023
Location: FREEZER 44

Aaron Dukes, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Acenaphthene	83-32-9	1000	± 0.300%
Acenaphthylene	208-96-8	1000	± 0.225%
Anthracene	120-12-7	1000	± 6.858%
Azobenzene	103-33-3	1000	± 0.224%
Benzo(a)anthracene	56-55-3	1000	± 0.247%
Benzo(a)pyrene	50-32-8	1000	± 0.270%
Benzo(b)fluoranthene	205-99-2	1000	± 0.635%
Benzo(k)fluoranthene	207-08-9	1000	± 0.682%
Benzo(g,h,i)perylene	191-24-2	1000	± 0.272%
Benzyl alcohol	100-51-6	1000	± 0.231%
Benzyl butyl phthalate	85-68-7	1000	± 0.480%
bis(2-Chloroethoxy)methane	111-91-1	1000	± 0.479%
bis(2-Chloroethyl) ether	111-44-4	1000	± 0.479%
bis(2-Chloroisopropyl) ether	108-60-1	1000	± 0.550%
bis(2-Ethylhexyl) adipate	103-23-1	1000	± 0.479%
bis(2-Ethylhexyl) phthalate	117-81-7	1000	± 0.479%
4-Bromophenyl phenyl ether	101-55-3	1000	± 0.479%
Carbazole	86-74-8	1000	± 0.146%

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Certified Reference Material

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Catalog No.: AL0-101444
Lot Number: CL18355
Description: 8270 Calibration Standard
Certification Date: July 25, 2022
Storage: -18 °C
Expiration Date: August 31, 2023
Provided As: 1 mL in 2 mL Ampoule in MeCl2/Methanol (97:3)

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
4-Chloroaniline	106-47-8	1000	± 0.300%
4-Chloro-3-methylphenol	59-50-7	1000	± 0.545%
2-Chloronaphthalene	91-58-7	1000	± 0.224%
2-Chlorophenol	95-57-8	1000	± 0.507%
4-Chlorophenyl phenyl ether	7005-72-3	1000	± 0.479%
Chrysene	218-01-9	1000	± 0.145%
Dibenz(a,h)anthracene	53-70-3	1000	± 1.058%
Dibenzofuran	132-64-9	1000	± 0.302%
Di-n-butyl phthalate	84-74-2	1000	± 0.518%
1,2-Dichlorobenzene	95-50-1	1000	± 0.247%
1,3-Dichlorobenzene	541-73-1	1000	± 0.225%
1,4-Dichlorobenzene	106-46-7	1000	± 0.224%
2,4-Dichlorophenol	120-83-2	1000	± 0.545%
Diethyl phthalate	84-66-2	1000	± 0.518%
2,4-Dimethylphenol	105-67-9	1000	± 0.507%
Dimethyl phthalate	131-11-3	1000	± 0.518%
1,2-Dinitrobenzene	528-29-0	1000	± 0.361%
1,3-Dinitrobenzene	99-65-0	1000	± 0.300%
1,4-Dinitrobenzene	100-25-4	1000	± 0.242%
2,4-Dinitrophenol	51-28-5	1000	± 0.545%
2,4-Dinitrotoluene	121-14-2	1000	± 1.128%

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Certified Reference Material

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Catalog No.: AL0-101444
Lot Number: CL18355
Description: 8270 Calibration Standard
Certification Date: July 25, 2022
Storage: -18 °C
Expiration Date: August 31, 2023
Provided As: 1 mL in 2 mL Ampoule in MeCl2/Methanol (97:3)

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
2,6-Dinitrotoluene	606-20-2	1000	± 0.224%
Di-n-octyl phthalate	117-84-0	1000	± 0.486%
Fluoranthene	206-44-0	1000	± 0.224%
Fluorene	86-73-7	1000	± 0.224%
Hexachlorobenzene	118-74-1	1000	± 0.152%
Hexachlorobutadiene	87-68-3	1000	± 0.746%
Hexachlorocyclopentadiene	77-47-4	1000	± 0.153%
Hexachloroethane	67-72-1	1000	± 0.300%
Indeno(1,2,3-cd)pyrene	193-39-5	1000	± 0.883%
Isophorone	78-59-1	1000	± 0.145%
2-Methyl-4,6-dinitrophenol	534-52-1	1000	± 0.508%
1-Methylnaphthalene	90-12-0	1000	± 0.479%
2-Methylnaphthalene	91-57-6	1000	± 0.487%
2-Methylphenol	95-48-7	1000	± 0.545%
3-Methylphenol	108-39-4	500	± 0.279%
4-Methylphenol	106-44-5	500	± 0.399%
Naphthalene	91-20-3	1000	± 0.226%
2-Nitroaniline	88-74-4	1000	± 0.224%
3-Nitroaniline	99-09-2	1000	± 0.235%
4-Nitroaniline	100-01-6	1000	± 0.300%
Nitrobenzene	98-95-3	1000	± 0.300%

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Catalog No.: AL0-101444
Lot Number: CL18355
Description: 8270 Calibration Standard
Certification Date: July 25, 2022
Storage: -18 °C
Expiration Date: August 31, 2023
Provided As: 1 mL in 2 mL Ampoule in MeCl2/Methanol (97:3)

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
2-Nitrophenol	88-75-5	1000	± 0.514%
4-Nitrophenol	100-02-7	1000	± 0.519%
N-Nitrosodimethylamine	62-75-9	1000	± 0.503%
N-Nitrosodiphenylamine	86-30-6	1000	± 0.476%
N-Nitrosodi-n-propylamine	621-64-7	1000	± 0.461%
Pentachlorophenol	87-86-5	1000	± 0.202%
Phenanthrene	85-01-8	1000	± 0.145%
Phenol	108-95-2	1000	± 0.545%
Pyrene	129-00-0	1000	± 0.147%
Pyridine	110-86-1	1000	± 0.503%
2,3,4,6-Tetrachlorophenol	58-90-2	1000	± 0.247%
2,3,5,6-Tetrachlorophenol	935-95-5	1000	± 0.247%
1,2,4-Trichlorobenzene	120-82-1	1000	± 0.224%
2,4,5-Trichlorophenol	95-95-4	1000	± 0.507%
2,4,6-Trichlorophenol	88-06-2	1000	± 0.509%

Notes: The proper chemical name for Bis(2-Chloroiospropyl) ether is 2,2'-oxybis(1-chloropropane). The analytical uncertainty contribution to the expanded uncertainty for 3 and 4-Methylphenol is measured as the total of the two analytes. N-Nitrosodiphenylamine presents as Diphenylamine at 854 µg/mL.

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1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO 17034[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in calibration, calibration verification, quantification, identification and other appropriate analytical control applications. The product is intended for routine laboratory analysis and research purposes only. Only trained personnel should handle this product.

4. Handling and Usage Notes: Store according to recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects, and additional transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm the opened product is fit for purpose under repeated use conditions.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

$$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

   Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31 – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35 – Reference Material – General and Statistical Principles for Certification.
[3] ISO 17034 – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

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Certificate of Composition - Analytical Standard

BASE STOCK

Product no.: 22523051
Lot no.: LRAD2751
Expiry Date: June 2024
Manufacturing Date: June 2022
Storage: REFRIGERATE
Solvent/Matrix: DICHLOROMETHANE
Certificate version: LRAD2751.01 (*Note: Certificates may be updated due to the availability of new data. Check our website at: www.sigma-aldrich.com for the most current version.)*

Analyte	*Assigned Value*	*Units*	*Raw Material Purity,%*	*Raw Material Lot*
3,3'-DICHLOROBENZIDINE, 100MG, NEAT CAS# 91-94-1	799	µg/mL	99.8	LRAD2376
2,4-DINITROTOLUENE CAS# 121-14-2	801	µg/mL	97.8	LB46632
2,6-DINITROTOLUENE CAS# 606-20-2	800	µg/mL	99.2	11231AN
HEXACHLOROCYCLOPENTADIENE CAS# 77-47-4	800	µg/mL	96.0	LB95525
N-NITROSODIMETHYLAMINE CAS# 62-75-9	800	µg/mL	95.0	2019-030598 5
PERYLENE CAS# 198-55-0	200	µg/mL	99.6	04101PG
ANILINE CAS# 62-53-3	800	µg/mL	99.9	LA41596
4-CHLOROANILINE CAS# 106-47-8	800	µg/mL	100.0	MKBZ6909V
2-NITROANILINE CAS# 88-74-4	799	µg/mL	99.9	07411KN
3-NITROANILINE CAS# 99-09-2	800	µg/mL	99.9	LC09264
4-NITROANILINE CAS# 100-01-6	800	µg/mL	99.9	15609AA
PYRIDINE (LOW WATER) CAS# 110-86-1	800	µg/mL	100.0	SHBJ9218

Measurement method: Where applicable, the assigned value is based on a purity determination by mass balance and gravimetrically prepared value.

Intended use: Intended for R&D and Analytical Use only. Not for drug, household or other uses.

Packaging: 1 mL in amber ampule

Instructions for handling and correct use: Use on the as is basis. The internal pressure of the container may be slightly different from the atmospheric pressure at the user`s location. Open slowly and carefully to avoid dispersion of the material.

Sigma-Aldrich RTC, 2931 Soldier Springs Rd. Laramie, WY 82070, USA;
Tel. 1 307-742-5452; Fax 1 855-831-9211; www.sigmaaldrich.com
Sigma-Aldrich RTC is a subsidiary of Merck KGaA, Darmstadt, Germany.

Health and safety information: All chemical reference materials should be considered potentially hazardous and should be used only by qualified laboratory personnel. Please refer to the Safety Data Sheet for detailed information about the nature of any hazard and appropriate precautions to be taken.

Certificate issue date: 03 JUN 2022

Andy Ommen - QC Manager

Scott Stetler - QA Manager

Certificate of analysis revision history:

Certificate version	Date	Reason for version
LRAD2751.01	03 JUN 2022	Original Release Date

Disclaimer: The purchaser is required to determine the suitability of this product for any particular application. Sigma-Aldrich RTC makes no warranty of any kind, express or implied, other than its products meet all quality control standards set by Sigma-Aldrich RTC. We do not guarantee that the product can be used for any particular application.

Certificate of Composition - Analytical Standard

ACID STOCK

Product no.: 22523046
Lot no.: LRAD2750
Expiry Date: June 2024
Manufacturing Date: June 2022
Storage: REFRIGERATE
Solvent/Matrix: DICHLOROMETHANE
Certificate version: LRAD2750.01 (*Note: Certificates may be updated due to the availability of new data. Check our website at: www.sigma-aldrich.com for the most current version.)*

Analyte	*Assigned Value*	*Units*	*Raw Material Purity,%*	*Raw Material Lot*
2,4-DIMETHYLPHENOL CAS# 105-67-9	800	µg/mL	99.9	LB88935
2,4-DICHLOROPHENOL CAS# 120-83-2	800	µg/mL	100.0	BCBZ6787
2,4,5-TRICHLOROPHENOL CAS# 95-95-4	801	µg/mL	99.9	JS00008
2,4-DINITROPHENOL CAS# 51-28-5	1799	µg/mL	66.9	STBJ5751
2,4,6-TRICHLOROPHENOL CAS# 88-06-2	800	µg/mL	98.7	LB82983
4-CHLORO-3-METHYLPHENOL CAS# 59-50-7	800	µg/mL	100.0	BCCD4461
4-NITROPHENOL CAS# 100-02-7	800	µg/mL	100.0	MKCN1089
2-METHYL-4,6-DINITROPHENOL CAS# 534-52-1	1800	µg/mL	100.0	BCBX5762
PENTACHLOROPHENOL CAS# 87-86-5	800	µg/mL	99.0	23614-01
BENZOIC ACID CAS# 65-85-0	1800	µg/mL	99.9	LC16514

Measurement method: Where applicable, the assigned value is based on a purity determination by mass balance and gravimetrically prepared value.

Intended use: Intended for R&D and Analytical Use only. Not for drug, household or other uses.

Packaging: 1 mL in amber ampule

Instructions for handling and correct use: Use on the as is basis. The internal pressure of the container may be slightly different from the atmospheric pressure at the user`s location. Open slowly and carefully to avoid dispersion of the material.

Health and safety information: All chemical reference materials should be considered potentially hazardous and should be used only by qualified laboratory personnel. Please refer to the Safety Data Sheet for detailed information about the nature of any hazard and appropriate precautions to be taken.

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Tel. 1 307-742-5452; Fax 1 855-831-9211; www.sigmaaldrich.com
Sigma-Aldrich RTC is a subsidiary of Merck KGaA, Darmstadt, Germany.

Certificate issue date: 03 JUN 2022

Andy Ommen - QC Manager

Scott Stetler - QA Manager

Certificate of analysis revision history:

Certificate version	Date	Reason for version
LRAD2750.01	03 JUN 2022	Original Release Date

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101244
Description: Benzidines Standard
Storage: 4 °C
Provided As: 1 mL in 2 mL Ampoule in Methylene Chloride

Lot Number: CL18939
Certification Date: September 7, 2022
Expiration Date: August 31, 2032

Aaron Dukes, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Benzidine	92-87-5	2000	± 3.812%
3,3'-Dichlorobenzidine	91-94-1	2000	± 1.419%

L001288
Benzidines std @2000ug/ml
Solvent / Lot: CL18939
Prep: 2/7/2023 by VS
Exp: 8/31/2032
Location: GC

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Reference Material Producer
Certicate No. 2427.02

Phenova is an accredited ISO/IEC 17034 Reference Material Producer and ISO/IEC 17025 accredited Chemical Testing Laboratory.

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Certified Reference Material

This product is included in Phenova's ISO/IEC 17025 and ISO Guide 34 Scopes of Accreditation

Catalog No.:	AL0-101291	**Lot Number:**	CL11000
Description:	GC/MS Tuning Mix	**Certification Date:**	May 9, 2014
Storage:	4 °C	**Expiration Date:**	December 31, 2023
Provided As:	1 mL in 2 mL Ampoule in Methylene chloride	**Revision Date:**	August 5, 2015

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty (%)
Benzidine	92-87-5	1000	± 0.208%
Decafluorotriphenylphosphine (DFTPP)	5074-71-5	1000	± 0.057%
4,4'-DDT	50-29-3	1000	± 0.056%
Pentachlorophenol	87-86-5	1000	± 0.061%

LOO 1648

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Certified Reference Material

This product is included in Phenova's ISO/IEC 17025 and ISO Guide 34 Scopes of Accreditation

Catalog No.: AL0-101291
Description: GC/MS Tuning Mix
Storage: 4 °C
Provided As: 1 mL in 2 mL Ampoule in Methylene chloride

Lot Number: CL11000
Certification Date: May 9, 2014
Expiration Date: December 31, 2023
Revision Date: August 5, 2015

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty (%)
Benzidine	92-87-5	1000	± 0.208%
Decafluorotriphenylphosphine (DFTPP)	5074-71-5	1000	± 0.057%
4,4'-DDT	50-29-3	1000	± 0.056%
Pentachlorophenol	87-86-5	1000	± 0.061%

LOO1648

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Certificate No. 2427.02

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1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO Guide 34[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in the calibration and calibration verification of chromatographic instrumentation performed in routine laboratory analysis.

4. Instruction: Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all certified analytes in the mixture.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Material Safety Data Sheet (MSDS) is available at www.phenomenex.com/mysupport.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC Guide 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

$$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO Guide 34. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC Guide 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC Guide 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO Guide 34.

12. Period of Validity: The Certified Values and their uncertainties are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31:2000(E) – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35:2006(E) – Reference Material – General and Statistical Principles for Certification.
[3] ISO Guide 34:2009(E) – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC Guide 17025:2005(E) – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

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IL.11170613_us

ISO 17034

Agilent
Trusted Answers

Reference Material Certificate

Product Name: PAH Standard

Product Number: US-106N-1

Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006666382

Lot Issue Date: 22-Apr-2022

Expiration Date: 31-May-2025

L007064

Component Name	CERTIFIED VALUES Concentration		Expanded Uncertainty	CAS#	Analyte Lot
acenaphthene	2002	±	10 µg/mL	000083-32-9	RM10879
acenaphthylene	2003	±	10 µg/mL	000208-96-8	RM10891
anthracene	2002	±	10 µg/mL	000120-12-7	RM14212
benz[a]anthracene	2003	±	10 µg/mL	000056-55-3	RM19299
benzo[b]fluoranthene	2004	±	10 µg/mL	000205-99-2	RM19754
benzo[k]fluoranthene	2010	±	10 µg/mL	000207-08-9	RM19818
benzo[ghi]perylene	2004	±	10 µg/mL	000191-24-2	RM19159
benzo[a]pyrene	1993	±	10 µg/mL	000050-32-8	RM17573
chrysene	2000	±	10 µg/mL	000218-01-9	RM18695
dibenz[a,h]anthracene	2008	±	10 µg/mL	000053-70-3	RM06786
fluoranthene	2007	±	10 µg/mL	000206-44-0	RM12277
fluorene	2003	±	10 µg/mL	000086-73-7	RM13733
indeno[1,2,3-cd]pyrene	2001	±	10 µg/mL	000193-39-5	RM19421
naphthalene	2002	±	10 µg/mL	000091-20-3	RM10445
phenanthrene	2008	±	10 µg/mL	000085-01-8	RM10495
pyrene	2001	±	10 µg/mL	000129-00-0	RM16126

Matrix: methylene chloride/benzene (1:1)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Toxic Substances Standard

Product Number: US-104N-1

Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006698499

Lot Issue Date: 10-Aug-2022

Expiration Date: 30-Sep-2025

Component Name	CERTIFIED VALUES Concentration	Expanded Uncertainty	CAS#	Analyte Lot
aniline	2006 ±	10 µg/mL	000062-53-3	RM16773
benzyl alcohol	2004 ±	10 µg/mL	000100-51-6	RM16537
4-chloroaniline	2005 ±	10 µg/mL	000106-47-8	RM01886
dibenzofuran	2008 ±	10 µg/mL	000132-64-9	RM02077
2-methylnaphthalene	2009 ±	10 µg/mL	000091-57-6	RM01258
2-nitroaniline	2007 ±	10 µg/mL	000088-74-4	RM02402
3-nitroaniline	2008 ±	10 µg/mL	000099-09-2	RM00427
4-nitroaniline	2004 ±	10 µg/mL	000100-01-6	RM02425

L007065

Matrix: methylene chloride (dichloromethane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

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Trusted Answers

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ANAB
ANSI National Accreditation Board
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ISO 17034
REFERENCE MATERIAL PRODUCER

ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

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ISO 17025

Certificate of Analysis

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101444
Description: 8270 Calibration Standard
Storage: -18 °C
Provided As: 1 mL in 2 mL Ampoule in MeCl2/Methanol (97:3

Lot Number: CL19475
Certification Date: January 10, 2023
Expiration Date: March 31, 2024

Aaron Dukes, Certified Reference Materials Manager

L008214
SVOA-8270 LCS MIX 1000ug/ml
Solvent / Lot: N/A
Prep: 7/26/2023 by JZ
Exp: 3/31/2024
Location: FREEZER 44

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Acenaphthene	83-32-9	1000	± 0.752%
Acenaphthylene	208-96-8	1000	± 0.725%
Anthracene	120-12-7	1000	± 0.725%
Azobenzene	103-33-3	1000	± 0.725%
Benzo(a)anthracene	56-55-3	1000	± 0.259%
Benzo(a)pyrene	50-32-8	1000	± 0.281%
Benzo(b)fluoranthene	205-99-2	1000	± 0.164%
Benzo(k)fluoranthene	207-08-9	1000	± 0.166%
Benzo(g,h,i)perylene	191-24-2	1000	± 1.169%
Benzyl alcohol	100-51-6	1000	± 0.727%
Benzyl butyl phthalate	85-68-7	1000	± 0.393%
bis(2-Chloroethoxy)methane	111-91-1	1000	± 0.392%
bis(2-Chloroethyl) ether	111-44-4	1000	± 0.439%
bis(2-Chloroisopropyl) ether	108-60-1	1000	± 0.167%
bis(2-Ethylhexyl) adipate	103-23-1	1000	± 4.027%
bis(2-Ethylhexyl) phthalate	117-81-7	1000	± 0.395%
4-Bromophenyl phenyl ether	101-55-3	1000	± 0.391%
Carbazole	86-74-8	1000	± 0.259%

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101444
Lot Number: CL19475
Description: 8270 Calibration Standard
Certification Date: January 10, 2023
Storage: -18 °C
Expiration Date: March 31, 2024
Provided As: 1 mL in 2 mL Ampoule in MeCl2/Methanol (97:3)

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
2,6-Dinitrotoluene	606-20-2	1000	± 0.750%
Di-n-octyl phthalate	117-84-0	1000	± 0.400%
Fluoranthene	206-44-0	1000	± 0.714%
Fluorene	86-73-7	1000	± 3.417%
Hexachlorobenzene	118-74-1	1000	± 0.526%
Hexachlorobutadiene	87-68-3	1000	± 0.969%
Hexachlorocyclopentadiene	77-47-4	1000	± 0.172%
Hexachloroethane	67-72-1	1000	± 2.107%
Indeno(1,2,3-cd)pyrene	193-39-5	1000	± 3.554%
Isophorone	78-59-1	1000	± 0.164%
2-Methyl-4,6-dinitrophenol	534-52-1	1000	± 0.483%
1-Methylnaphthalene	90-12-0	1000	± 0.392%
2-Methylnaphthalene	91-57-6	1000	± 0.401%
2-Methylphenol	95-48-7	1000	± 0.451%
3-Methylphenol	108-39-4	500	± 0.622%
4-Methylphenol	106-44-5	500	± 0.684%
Naphthalene	91-20-3	1000	± 0.726%
2-Nitroaniline	88-74-4	1000	± 0.721%
3-Nitroaniline	99-09-2	1000	± 0.749%
4-Nitroaniline	100-01-6	1000	± 0.748%
Nitrobenzene	98-95-3	1000	± 0.752%

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Access your Safety Data Sheets and digital Certificates at **www.phenova.com/documents.**

1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO 17034[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in calibration, calibration verification, quantification, identification and other appropriate analytical control applications. The product is intended for routine laboratory analysis and research purposes only. Only trained personnel should handle this product.

4. Handling and Usage Notes: Store according to recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects, and additional transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm the opened product is fit for purpose under repeated use conditions.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

$$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31 – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35 – Reference Material – General and Statistical Principles for Certification.
[3] ISO 17034 – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

phenova® Certified Reference Materials | A Phenomenex® Company

Packing List

Date	Order #
07/24/2023	310522

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

For terms and conditions of your order, please visit:
www.phenova.com/home/termsofsale

Ship To

Analytical Resources Inc.
ATTN:
4611 South 134th
Tukwila, WA 981683240
USA

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
300121JR	Net 30	WMQ4684	1502697	FedEx Priority	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
6	6	0	AL0-101444	8270 Calibration Standard 1000 µg/mL MeCL2/MeOH		CL19475

Hazardous Communication Guide

Match the icons on your ampoule tag to this key.

Danger: May Cause Drowsiness or Dizziness.
Store in a well-ventilated place. Keep cool.

Danger: Harmful or Toxic to Aquatic Life with Long-Lasting Effects.
Avoid release to the environment.

Danger: Highly or Extremely Flammable Liquid and Vapor.
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Keep container tightly closed.

Danger: Causes Serious Eye and Skin Irritation.
Wear protective gloves/protective clothing/eye protection/face protection.
If in contact, wash with plenty of soap or water where appropriate.

Danger: Causes Damage to Organs. May Cause Cancer.
Do not eat, drink, or smoke when using this product. Use only in a well-ventilated area.

Danger: Fatal or Toxic if Swallowed, Inhaled, or in Contact with Skin.
Suspected of damaging fertility or the unborn child. IF EXPOSED: Immediately call a POISON CENTER or doctor/physician. Do not breathe dust/fume/gas/mist/vapors/spray.

Warning: Suspected of Causing Cancer.
Wear protective gloves/protective clothing/eye protection/face protection.
If in contact, wash with plenty of soap or water where appropriate.

Material Safety Data Sheet available for all products
Please call us at **866-942-2978** or
Email us at **info@phenova.com**.

FL32630515_us

phenova® Certified Reference Materials | A Phenomenex® Company

These products are manufactured by Phenova, Inc., a Phenomenex Company, which is accredited to

ISO Guide 34 | ISO/IEC 17025 | ISO/IEC 17043 | TNI EL-V3-2009

phenova™ | A Phenomenex Company
Certified Reference Materials

Phenova Quality
ISO Guide 34 •
ISO/IEC 17025 •
ISO/IEC 17043 •
TNI EL-V3-2009 •

Important Documents and Information for Order 310522

Thank you for choosing Phenova! Please check your items for any damage that may have occurred during transit. If you need replacement standards for damaged items or have any questions, we are here to assist! Please call us at +1-303-940-0033 or email us at info@phenova.com.

Sincerely,

The Phenova Team

6390 Joyce Drive, Suite 100
Golden, CO 80403 USA

Tel: 1-303-940-0033
Fax: 1-303-940-0043

Email: info@phenova.com
www.phenova.com

Certificate of Analysis

Produced by Phenova
6990 Joyce Drive STE 100, Golden, CO 80403 USA ▪ Tel: 303-940-0033 ▪ Fax: 303-940-0043 ▪ info@phenova.com
Access your Safety Data Sheets and digital Certificates at www.phenova.com/documents.

Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101443
Lot Number: CL18741
Description: Aniline
Certification Date: July 21, 2022
Storage: 4 °C
Expiration Date: July 31, 2030
Provided As: 1 mL in 2 mL Ampoule in Methylene Chloride

Aaron Dukes, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aniline	62-53-3	1000	± 1.719%

L008217
Aniline-1000ug/mL
Solvent / Lot: N/A
Prep: 7/26/2023 by JZ
Exp: 7/31/2030
Location: GC

LDW23-SS1233

Form I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E-SIM

SIM SVOC Organics (Dual scan list)

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC5 MR Phase 1				
Matrix:	Sediment	Laboratory ID:	23H0221-01 B	SDG:	23H0221
Sampled:	04/10/23 13:15	Prepared:	08/08/23 09:17	File ID:	NT1708112317S.D
% Solids:	86.45	Preparation:	EPA 3546 (Microwave)	Analyzed:	08/11/23 22:12
Batch:	BLH0180	Sequence:	SLH0248	Initial/Final:	11.61 g Wet / 1 mL
Instrument:	NT17	Column:	ZB-5MS	Calibration:	GH00045
Cleanups:	GPC				

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
106-46-7	1,4-Dichlorobenzene	1	1.3	J	0.6	5.0
95-50-1	1,2-Dichlorobenzene	1	13.9		0.7	5.0
100-51-6	Benzyl Alcohol	1	4.6	J	2.5	19.9
65-85-0	Benzoic acid	1	157	Q	13.4	99.6
106-44-5	4-Methylphenol	1	22.2		0.9	5.0
105-67-9	2,4-Dimethylphenol	1	7.0	J	2.2	19.9
120-82-1	1,2,4-Trichlorobenzene	1	4.3	J	2.7	5.0
86-30-6	N-Nitrosodiphenylamine	1	7.7		1.3	5.0
87-86-5	Pentachlorophenol	1	423	Q	2.1	19.9

SURROGATES	ADDED:(ug/mL)	(ug/mL)	% REC	QC LIMITS	Q
2-Fluorophenol	7.5000	3.63	48.4	27 - 120	
p-Terphenyl-d14	5.0000	4.06	81.2	37 - 120	

Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT17081123175.D

Date : 11-AUG-2023 22:12

Client ID:

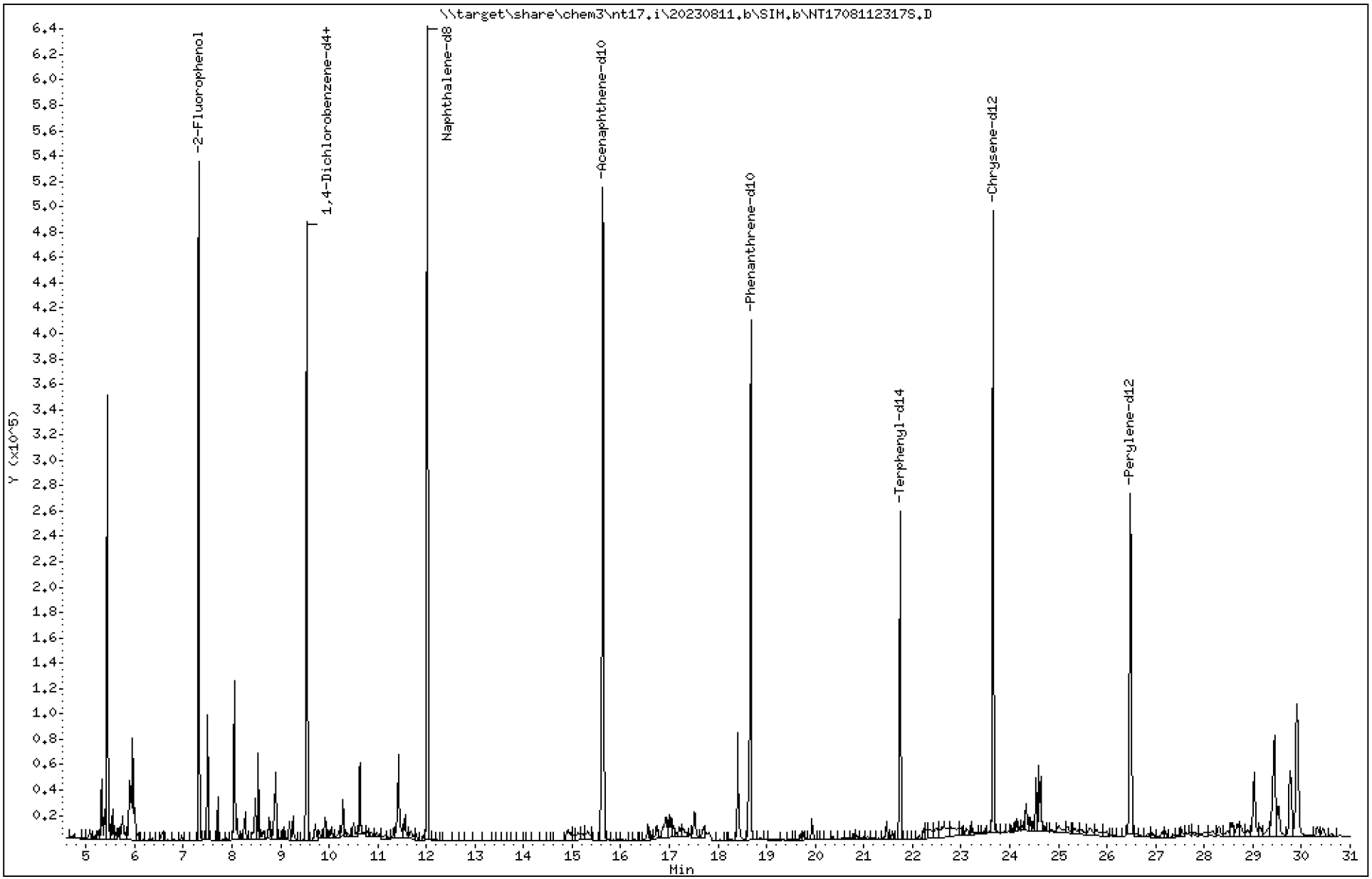
Instrument: nt17.i

Sample Info: 23H0221-01

Operator: YZ

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

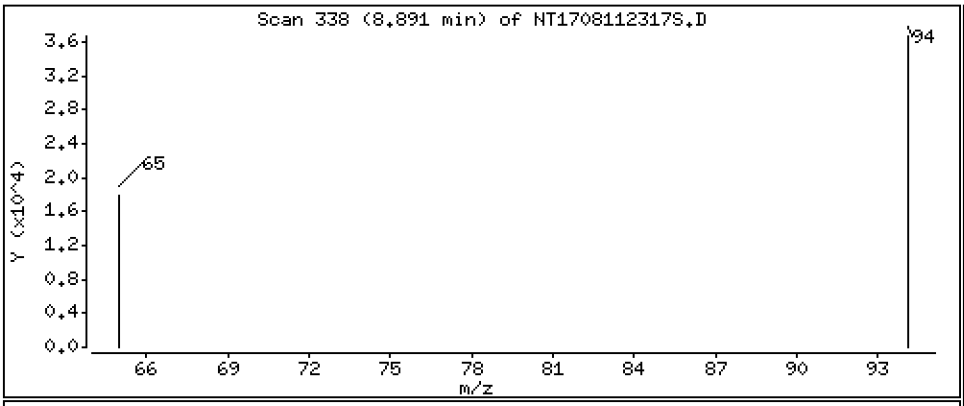
Operator: YZ

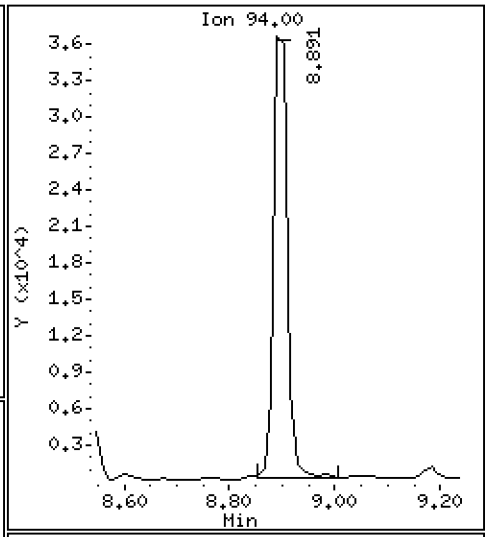
Column phase: ZB-5msi

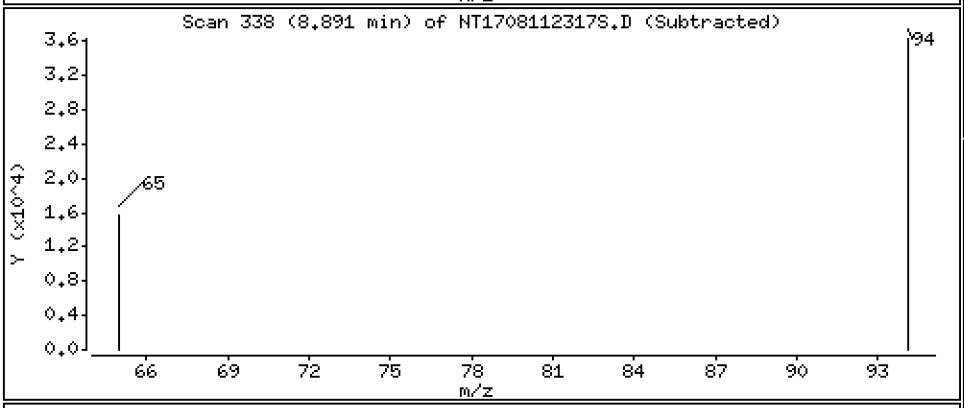
Column diameter: 0.25

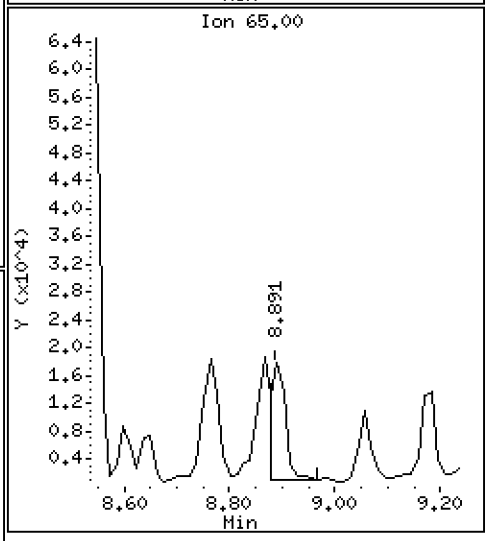
3 Phenol

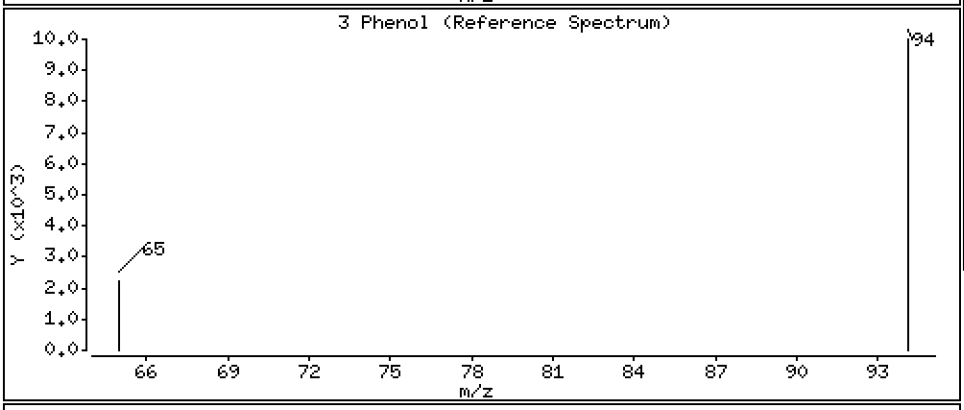
Concentration: 0.3720 ug/mL

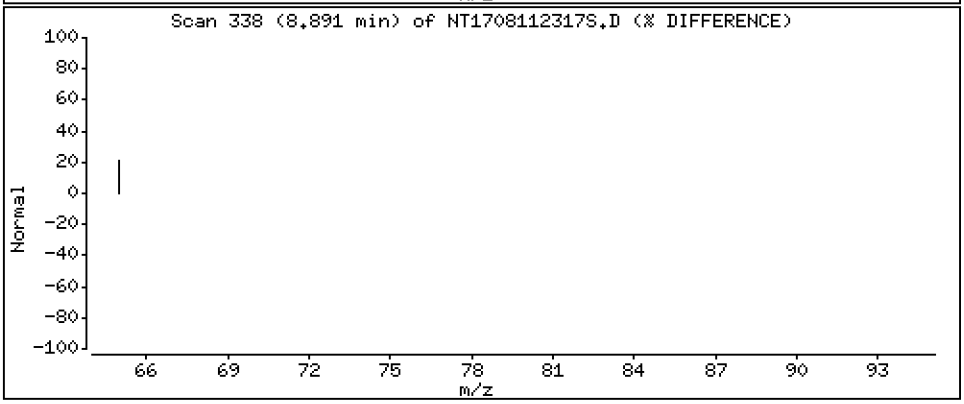












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Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

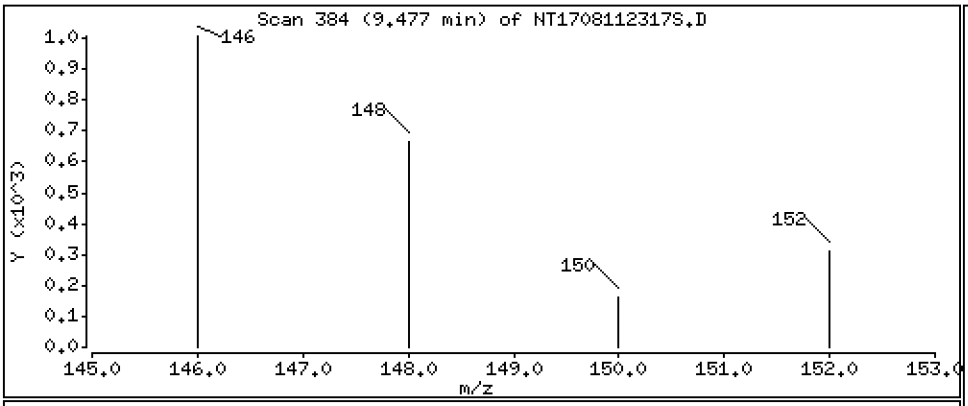
Operator: YZ

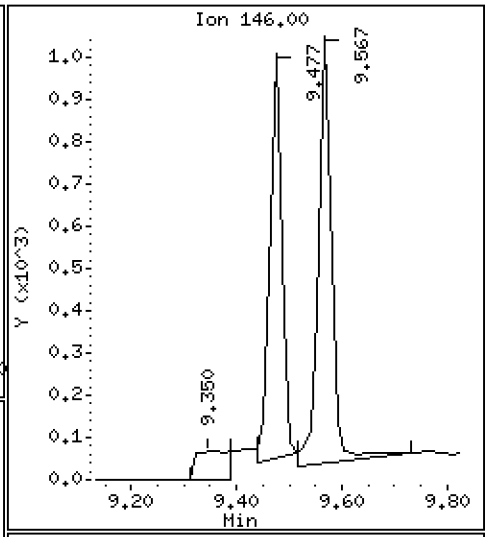
Column phase: ZB-5msi

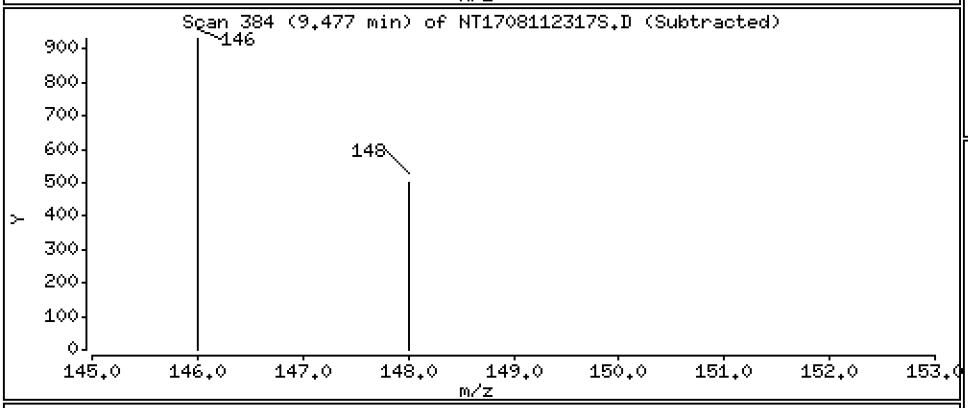
Column diameter: 0.25

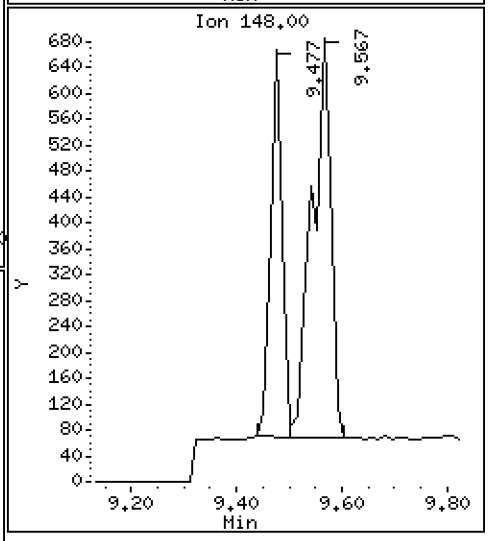
7 1,3-Dichlorobenzene

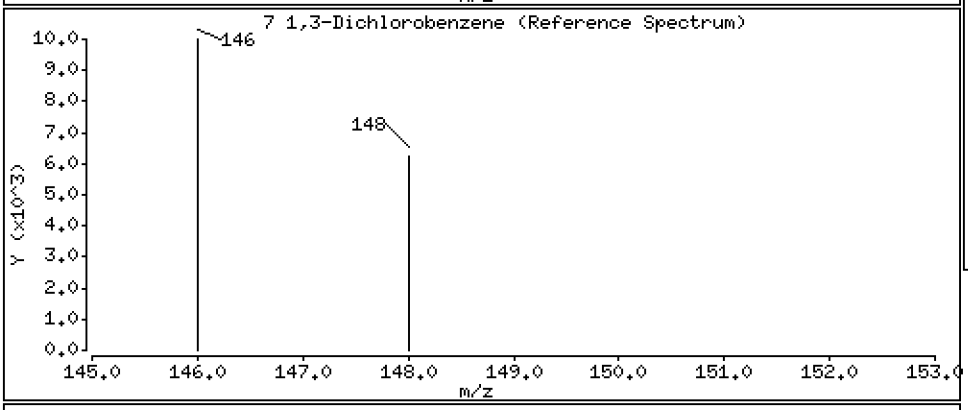
Concentration: 0.01251 ug/mL

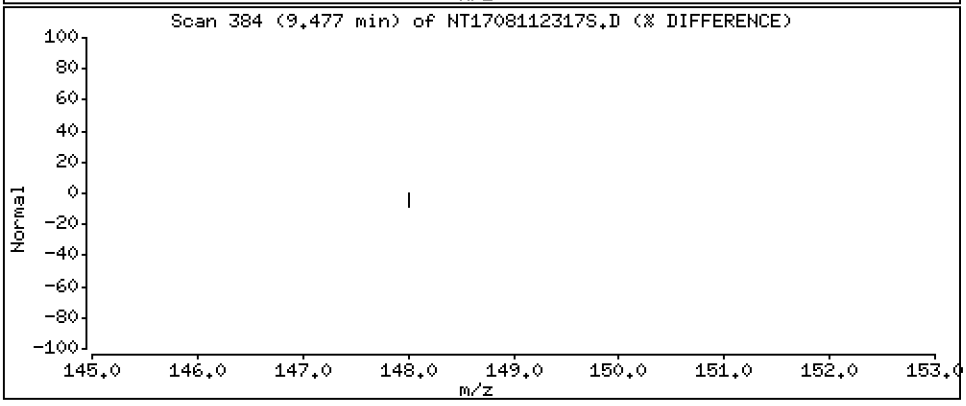












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Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

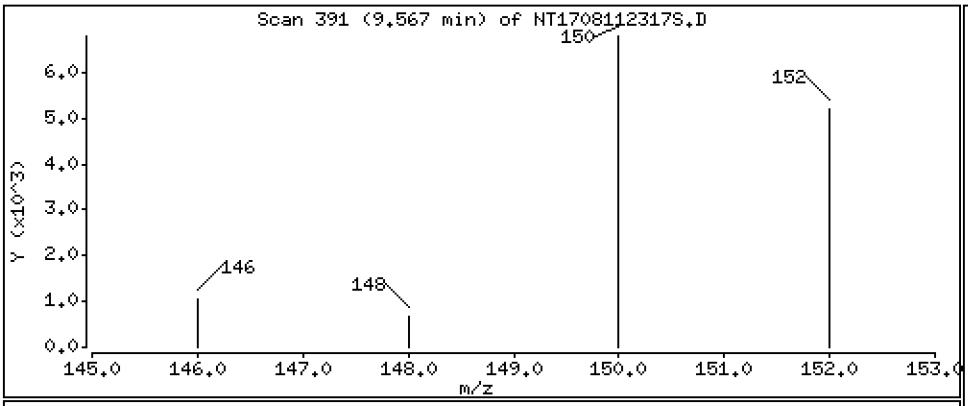
Operator: YZ

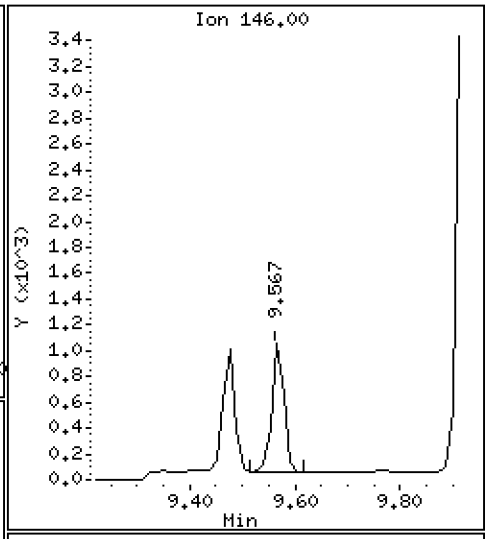
Column phase: ZB-5msi

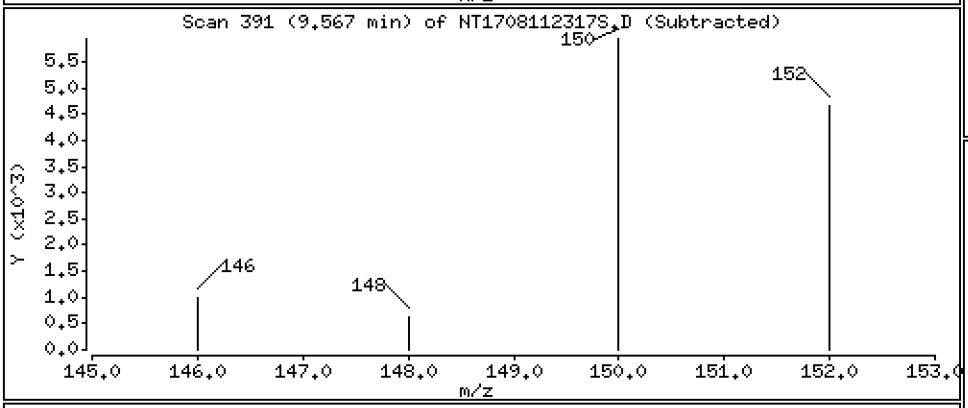
Column diameter: 0.25

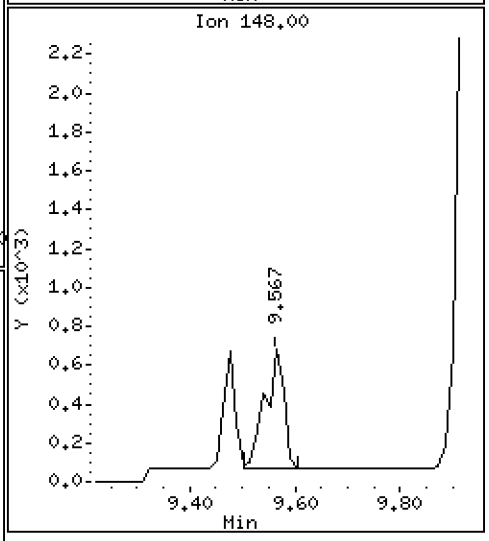
9 1,4-Dichlorobenzene

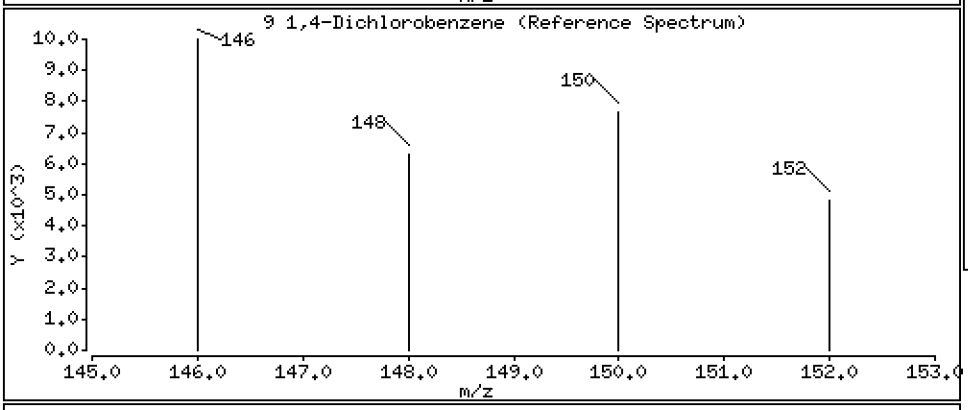
Concentration: 0.01326 ug/mL

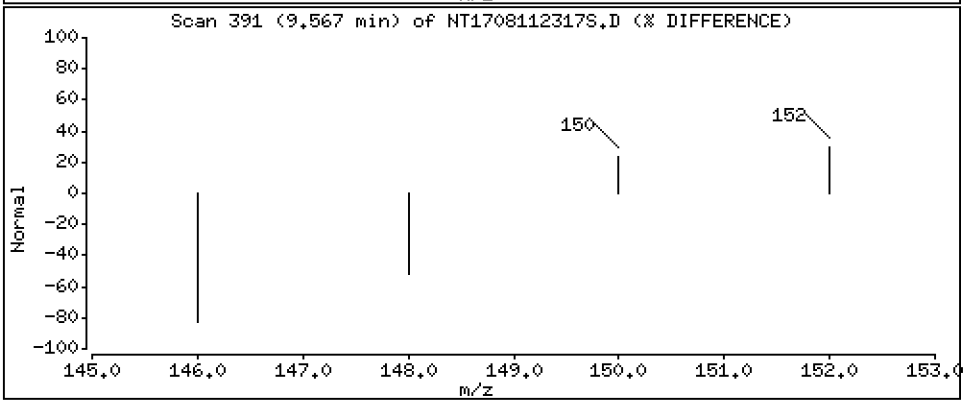












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Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

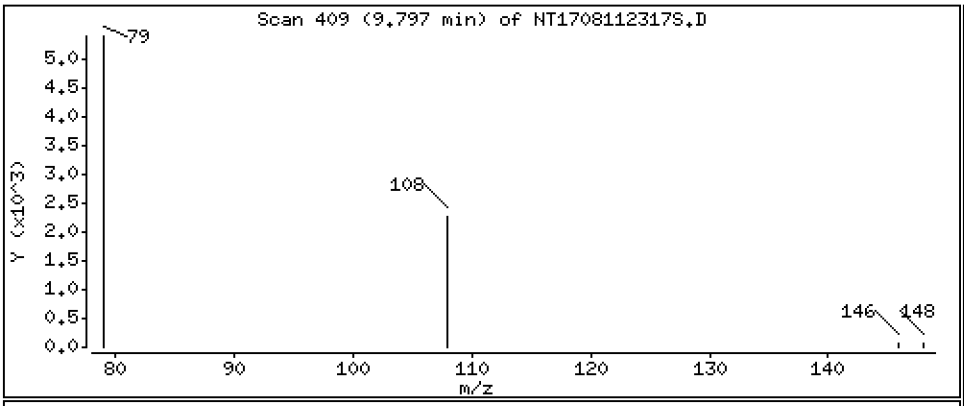
Operator: YZ

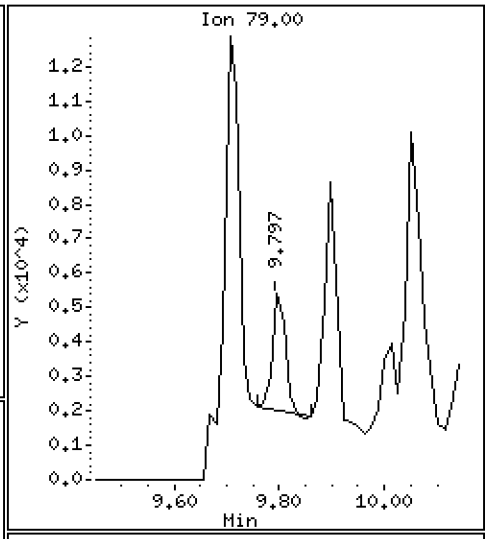
Column phase: ZB-5msi

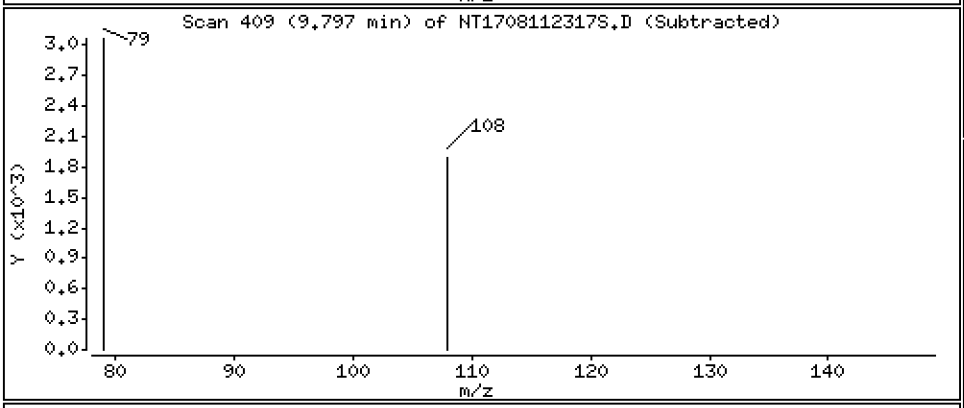
Column diameter: 0.25

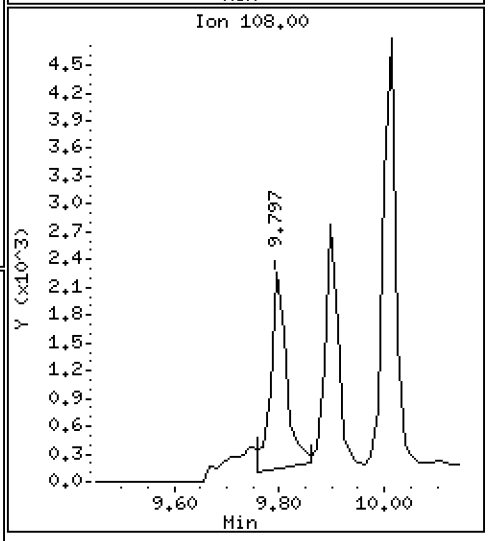
11 Benzyl alcohol

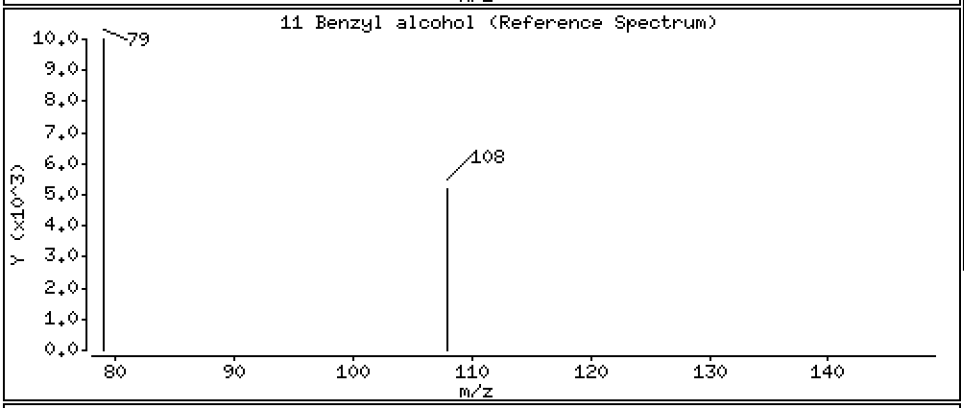
Concentration: 0.04610 ug/mL

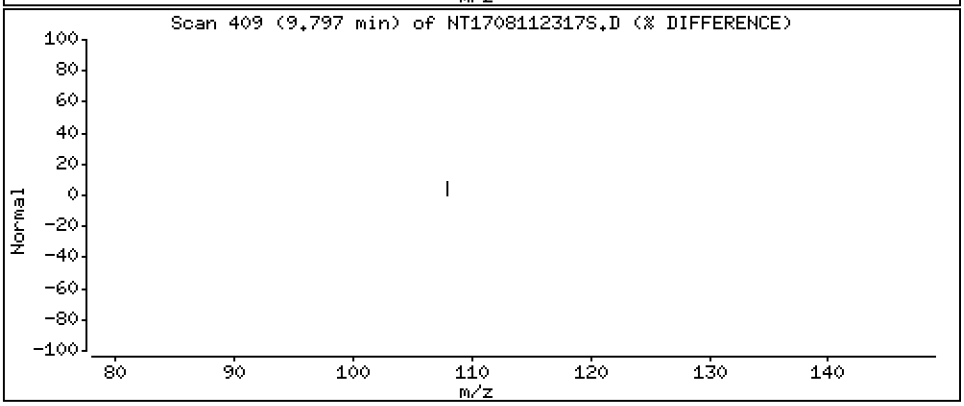












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Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

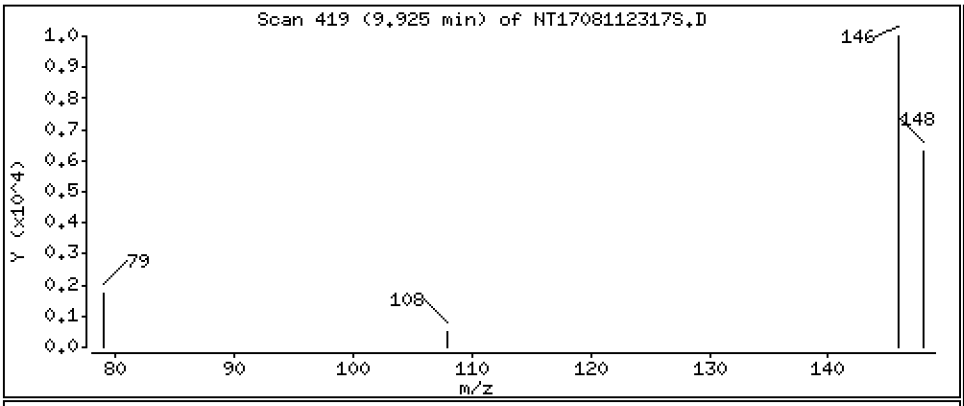
Operator: YZ

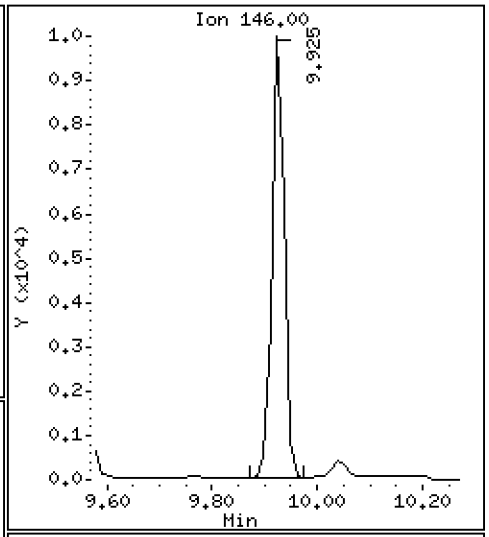
Column phase: ZB-5msi

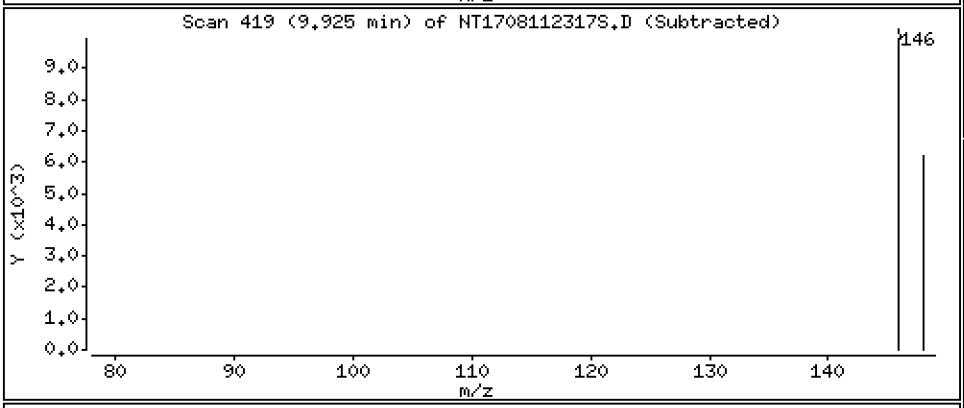
Column diameter: 0.25

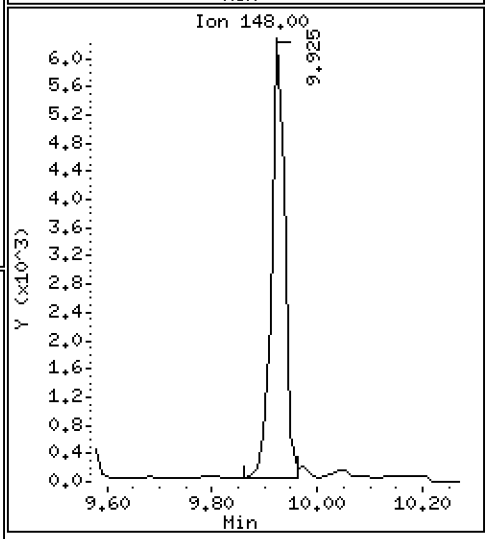
12 1,2-Dichlorobenzene

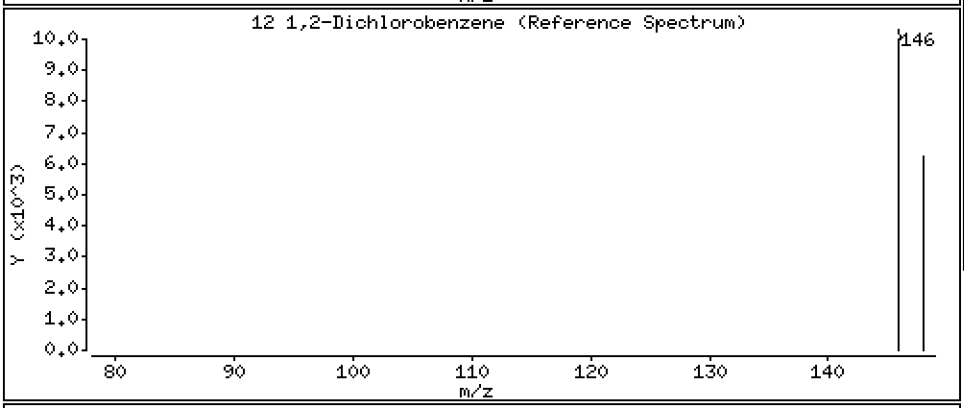
Concentration: 0.1395 ug/mL

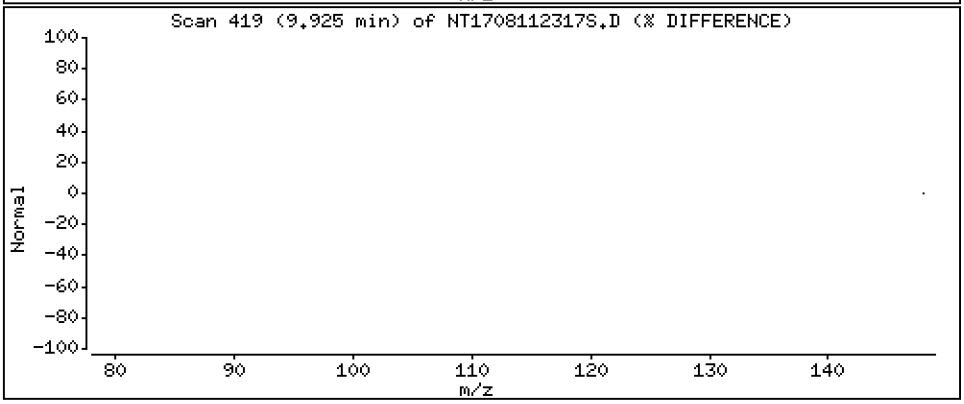












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Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

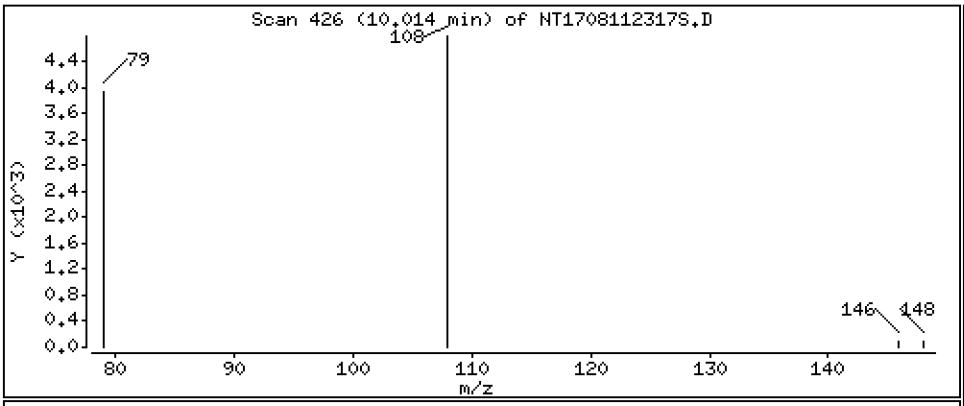
Operator: YZ

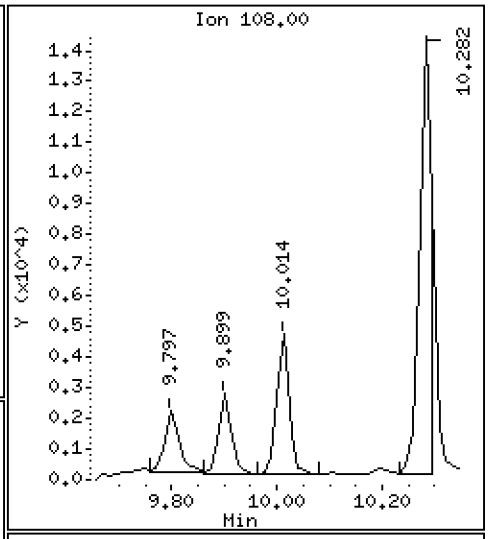
Column phase: ZB-5msi

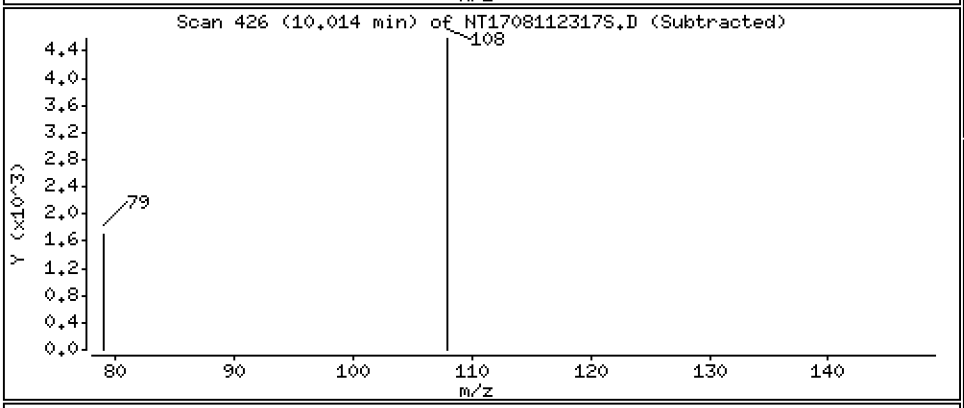
Column diameter: 0.25

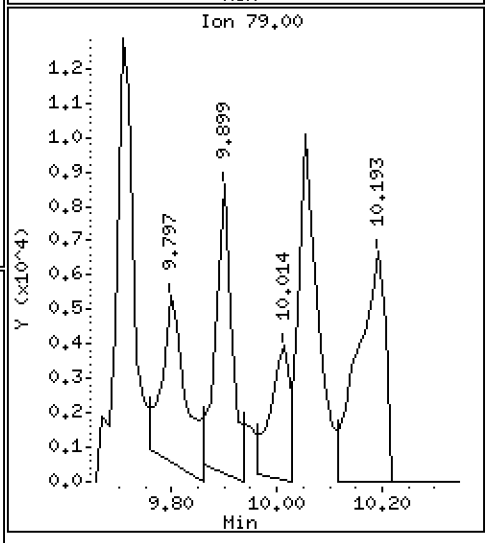
13 2-Methylphenol

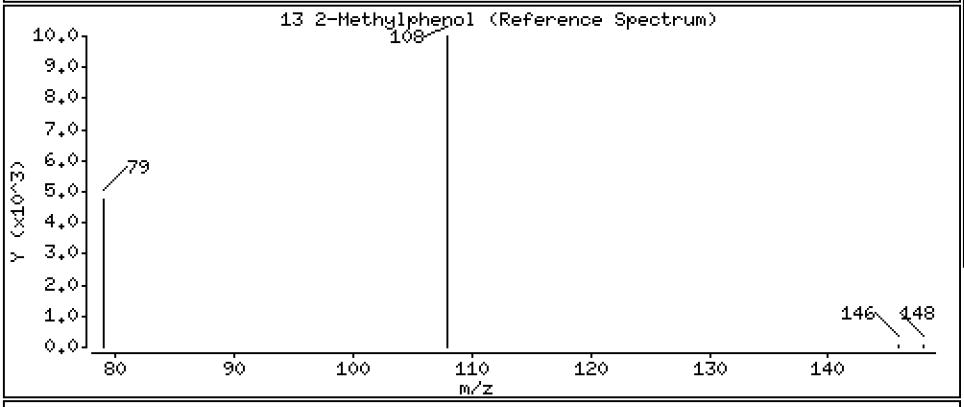
Concentration: 0.06918 ug/mL

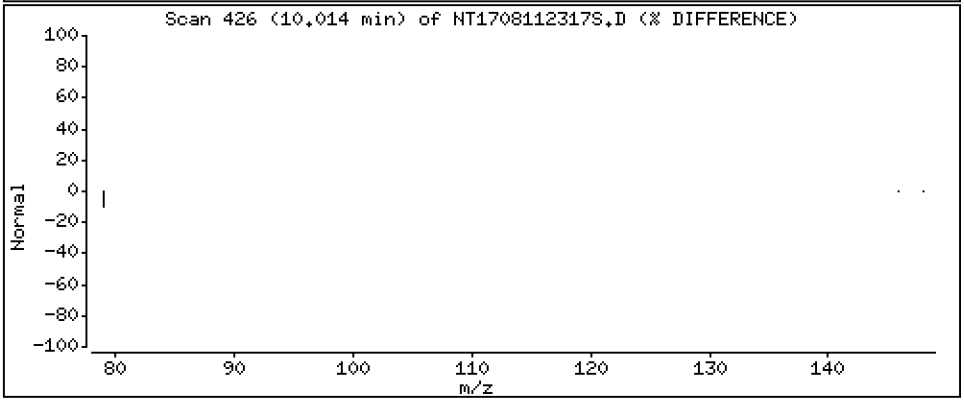












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT17081123175.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

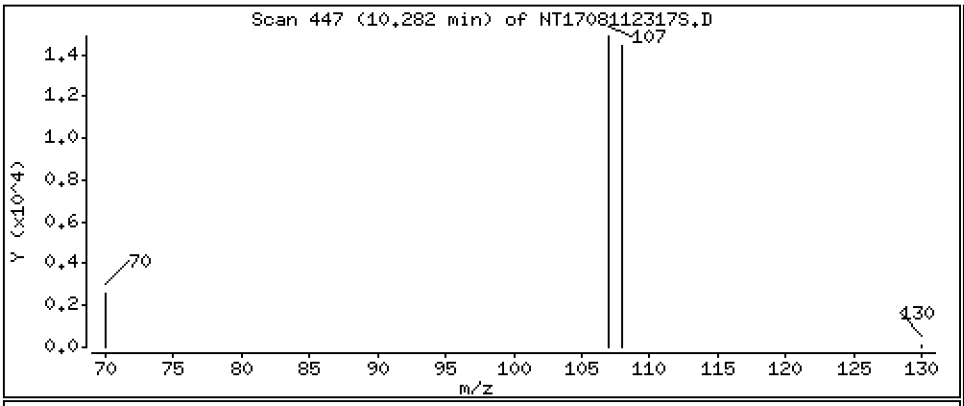
Operator: YZ

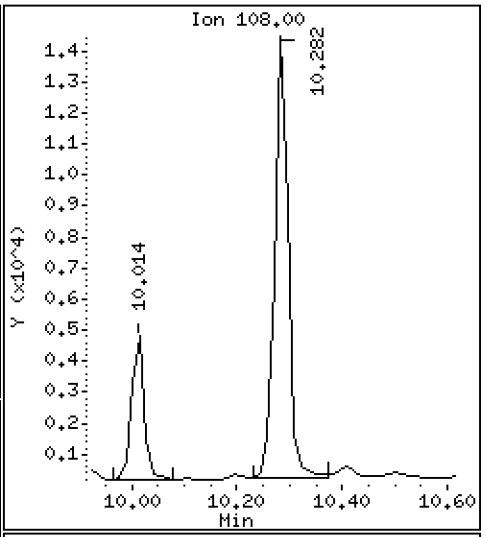
Column phase: ZB-5msi

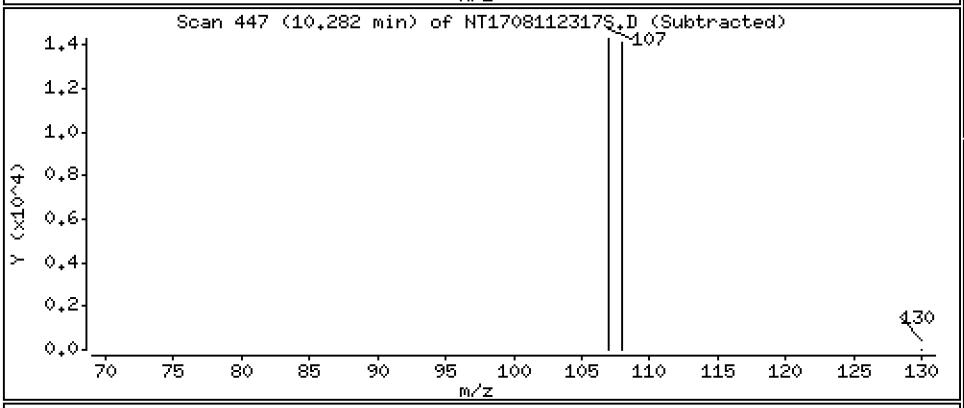
Column diameter: 0.25

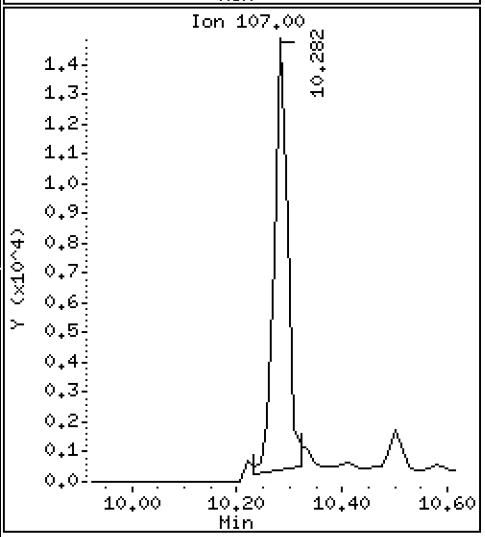
15 4-Methylphenol

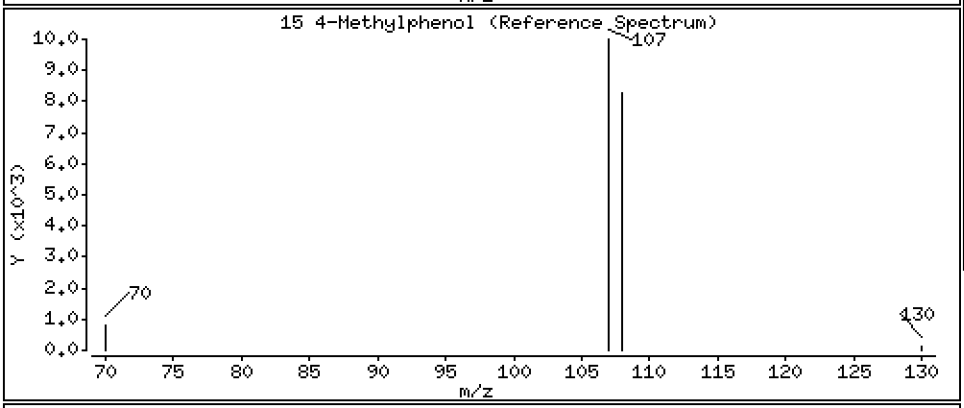
Concentration: 0.2232 ug/mL

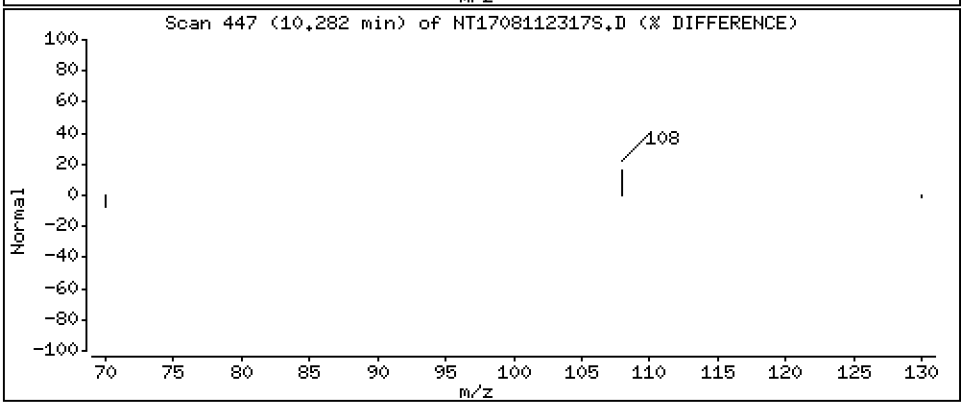












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Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

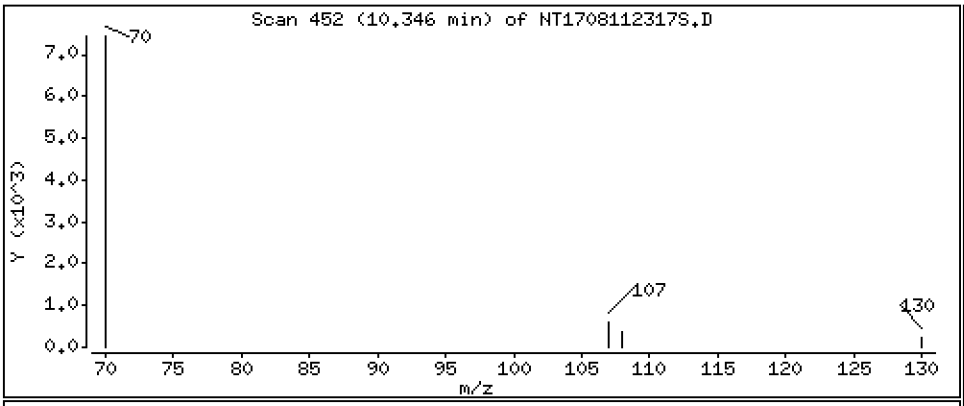
Operator: YZ

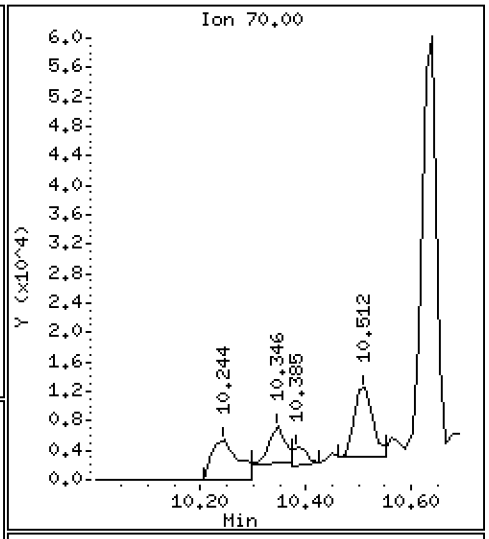
Column phase: ZB-5msi

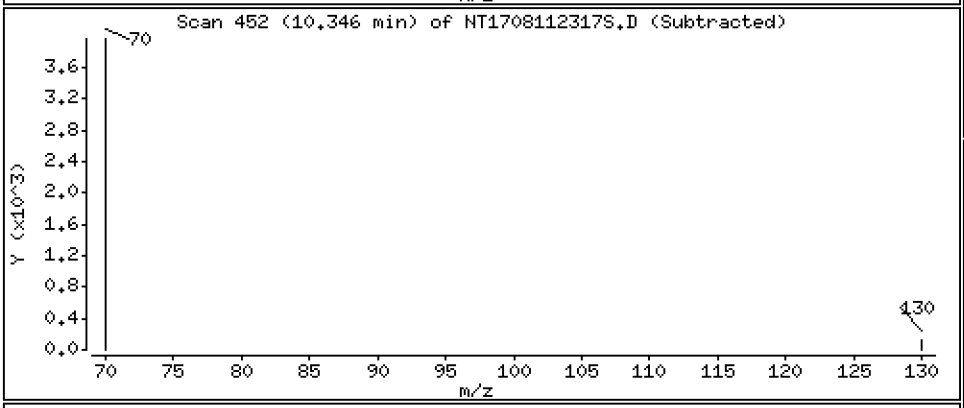
Column diameter: 0.25

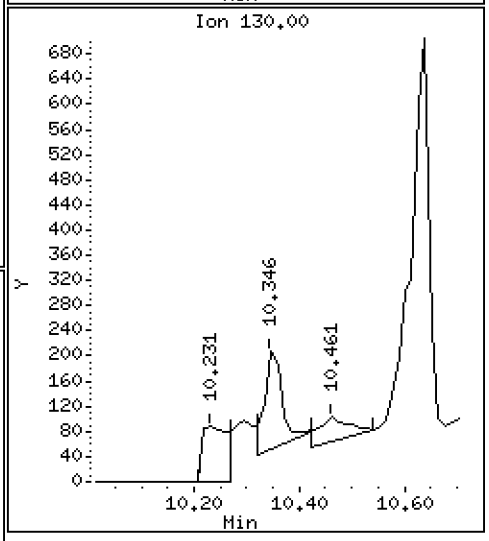
16 N-Nitroso-di-n-propylamine

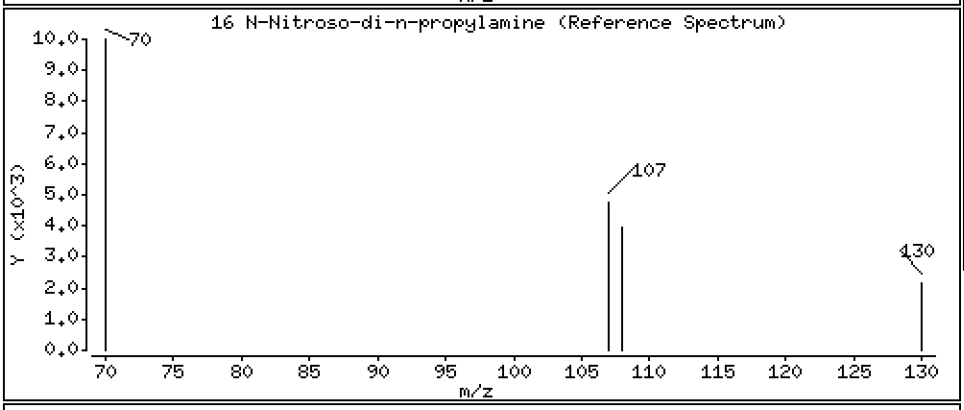
Concentration: 0.09563 ug/mL

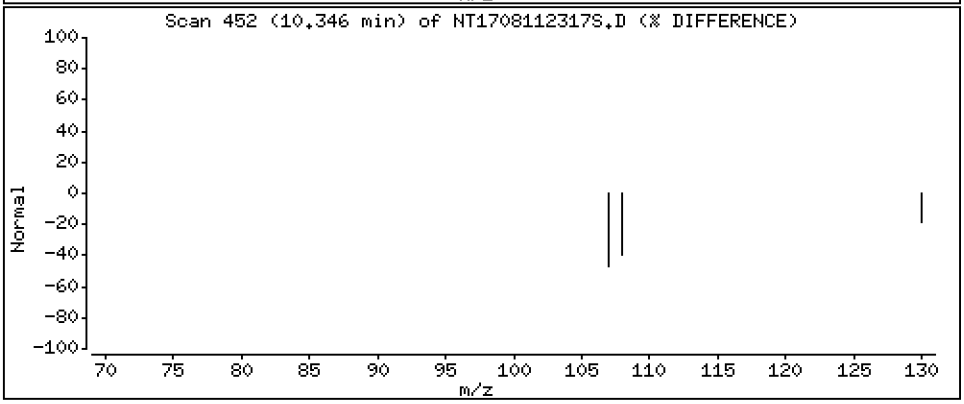












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Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

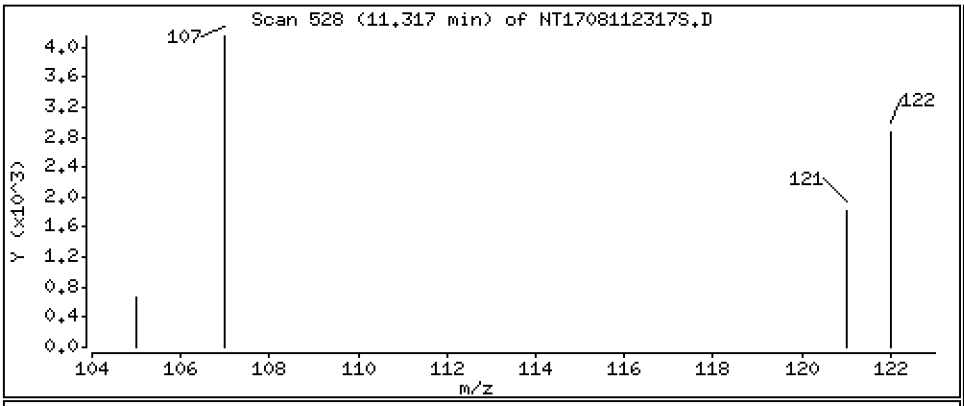
Operator: YZ

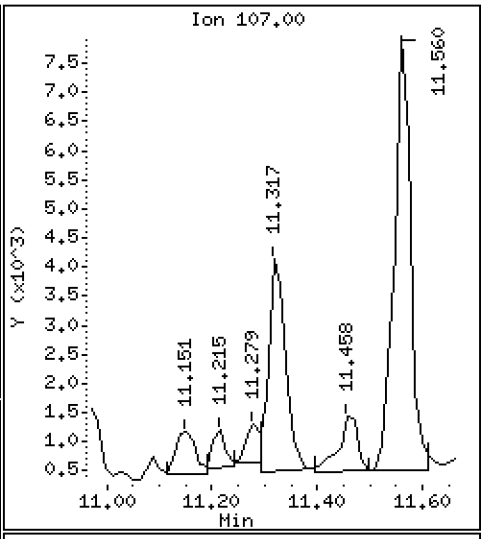
Column phase: ZB-5msi

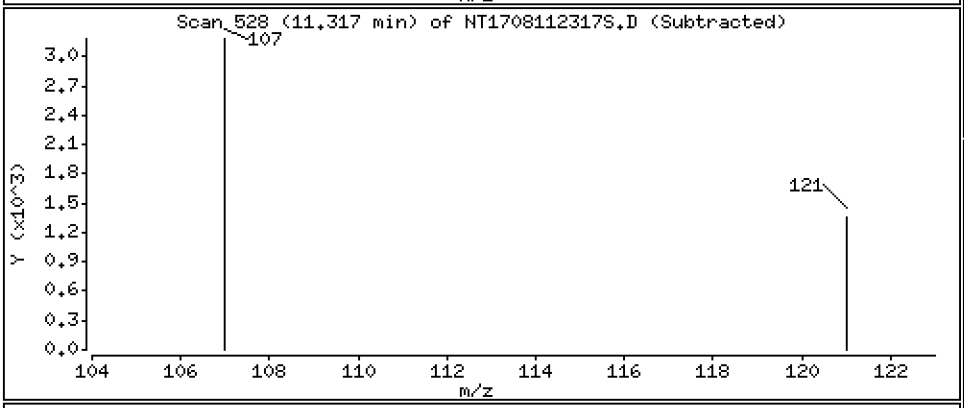
Column diameter: 0.25

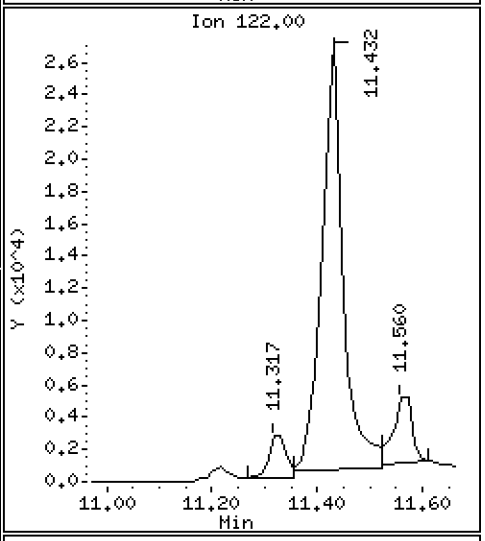
22 2,4-Dimethylphenol

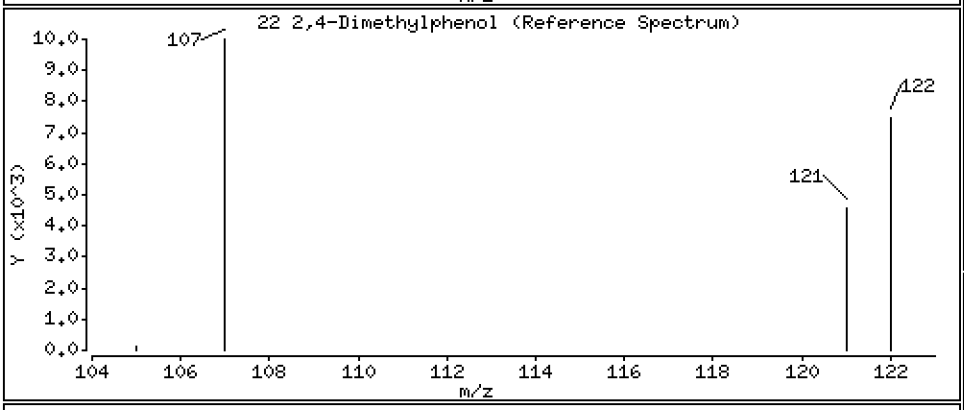
Concentration: 0.06984 ug/mL

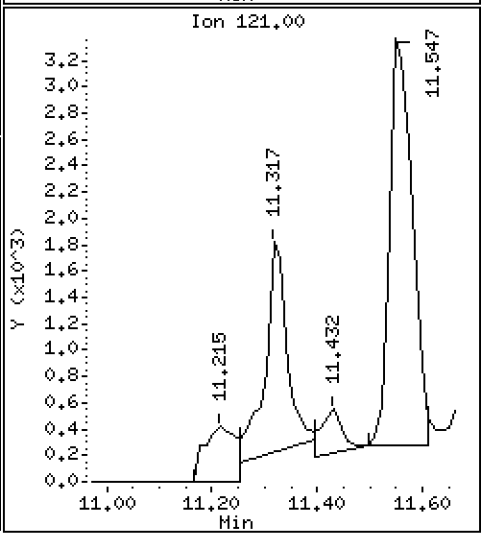


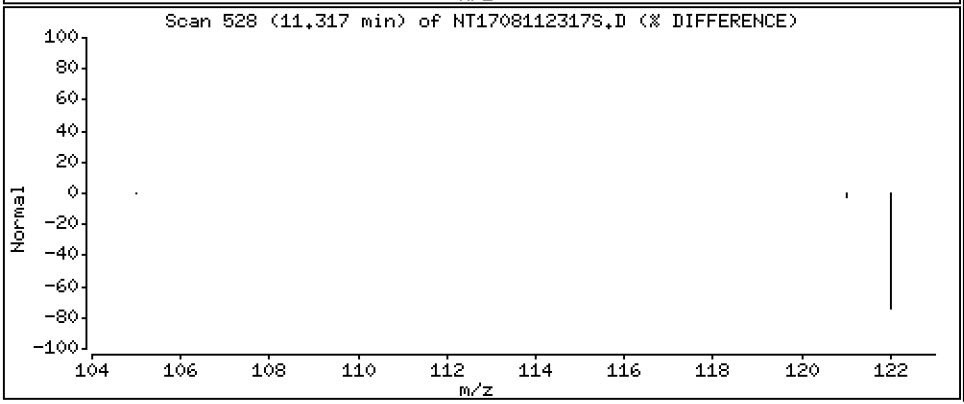












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Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

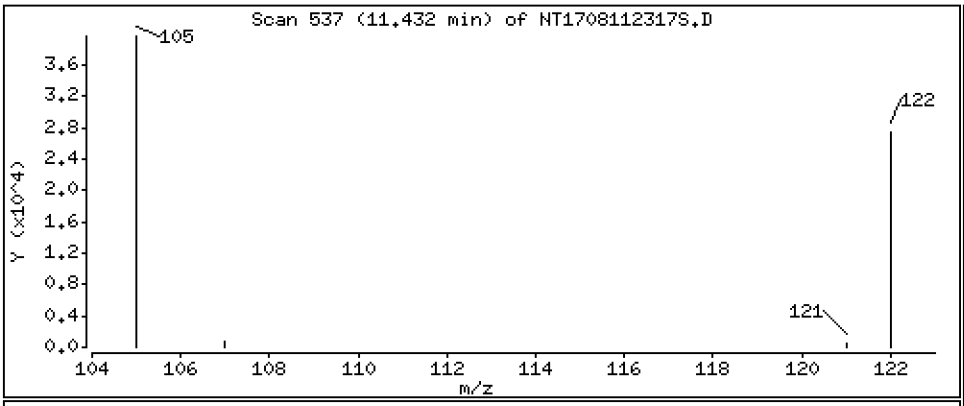
Operator: YZ

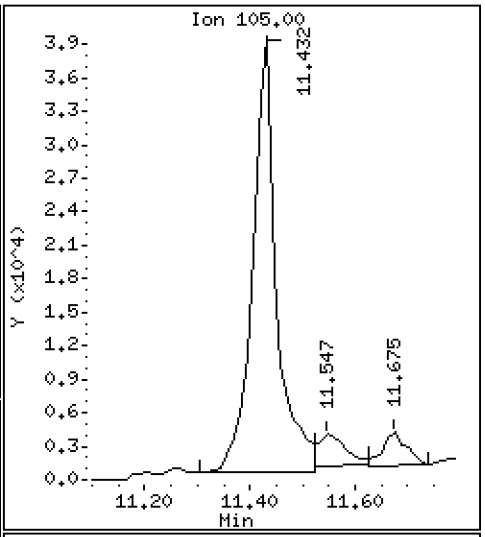
Column phase: ZB-5msi

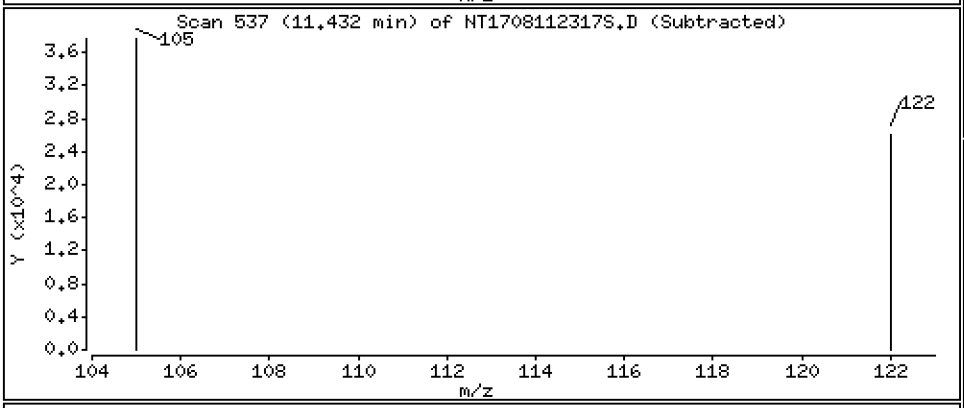
Column diameter: 0.25

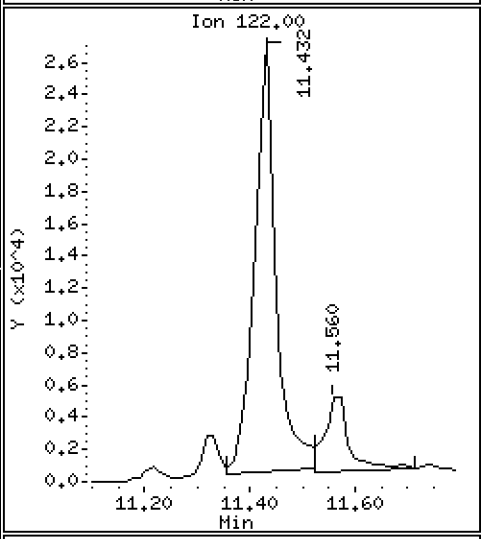
24 Benzoic acid

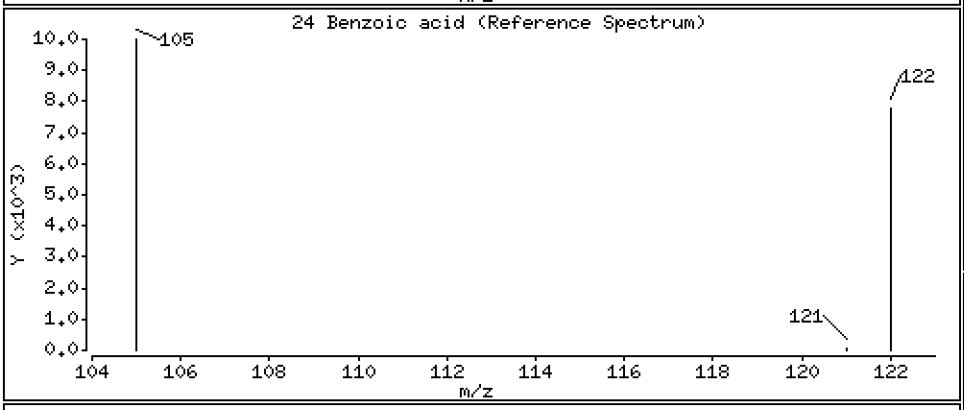
Concentration: 1.576 ug/mL

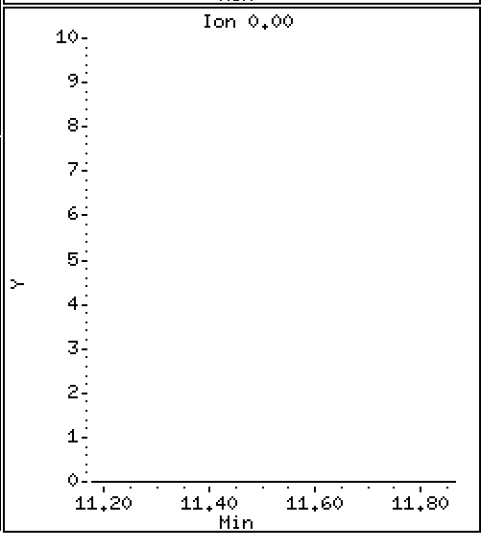


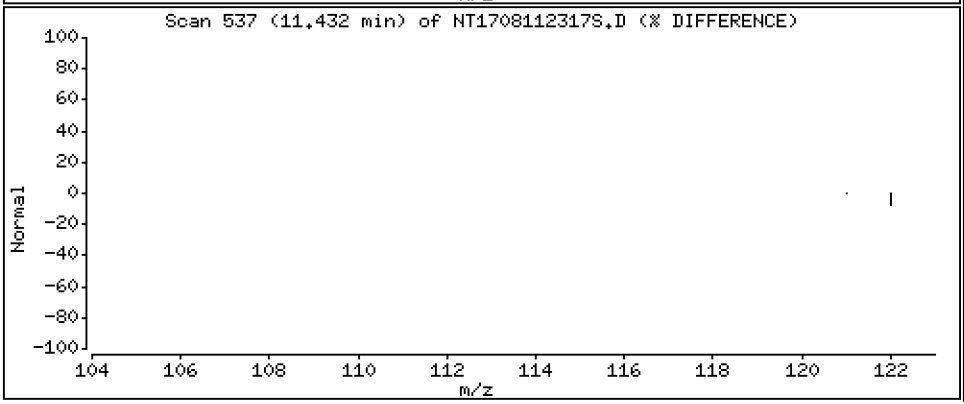












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Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

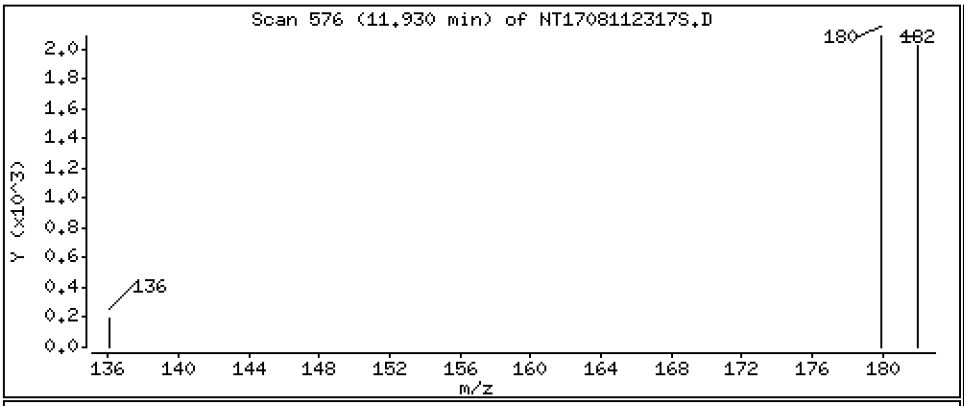
Operator: YZ

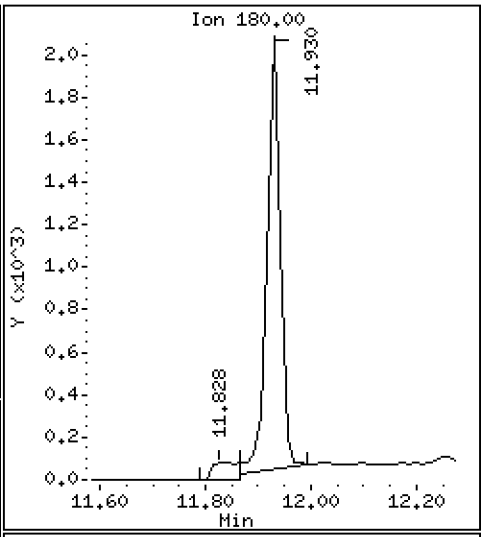
Column phase: ZB-5msi

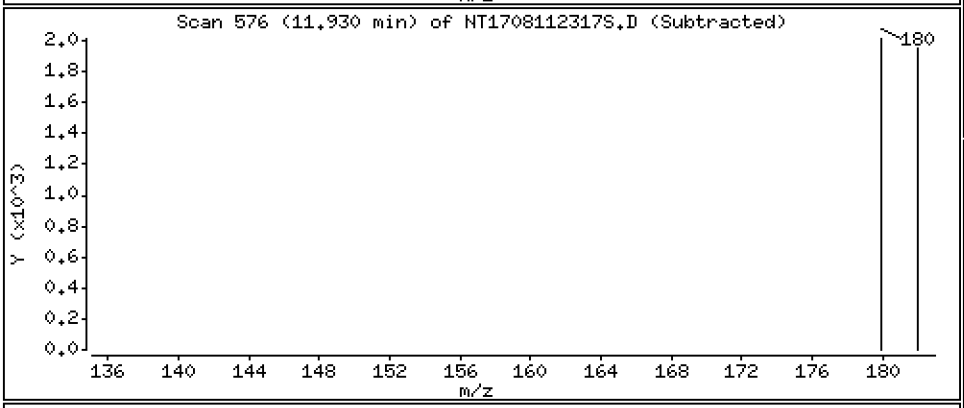
Column diameter: 0.25

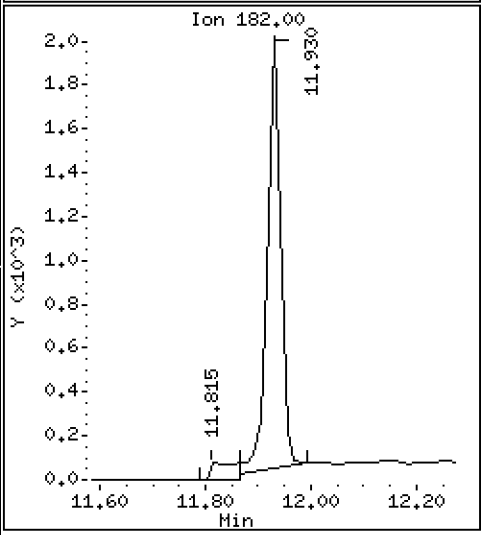
26 1,2,4-Trichlorobenzene

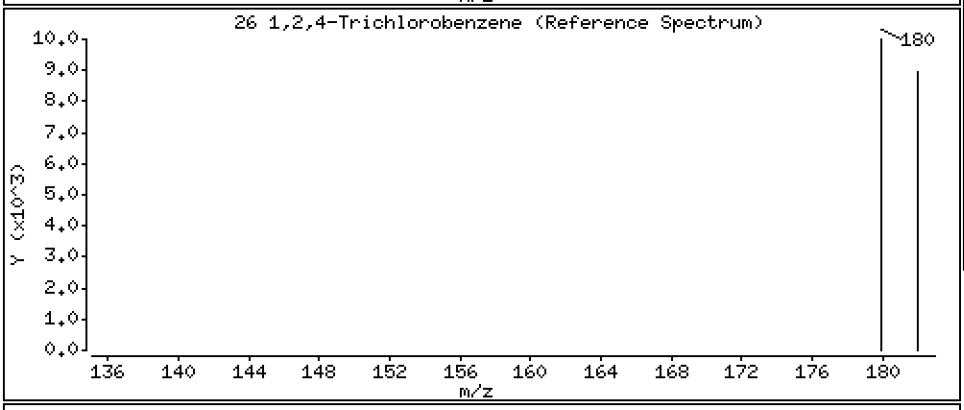
Concentration: 0.04357 ug/mL

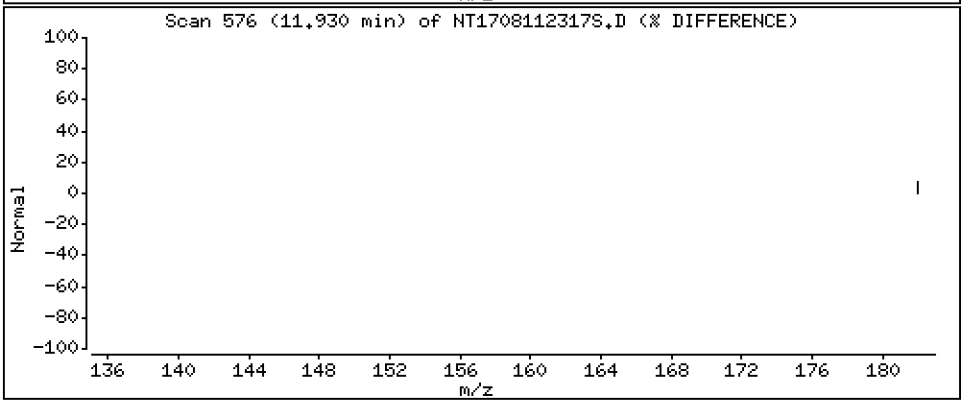












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Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

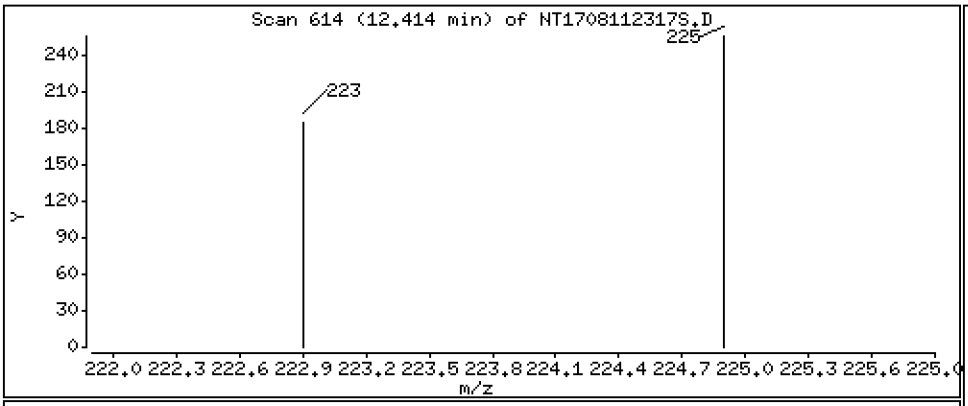
Operator: YZ

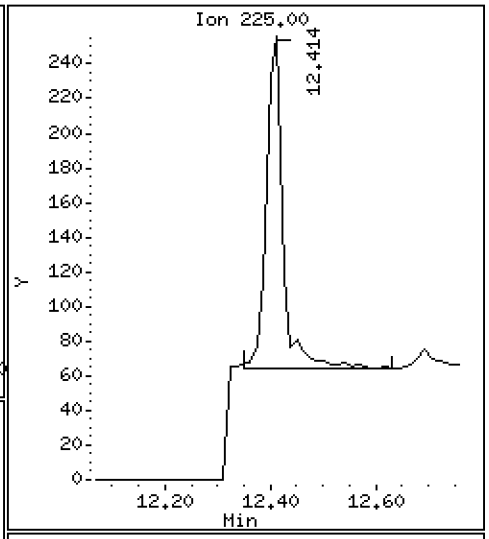
Column phase: ZB-5msi

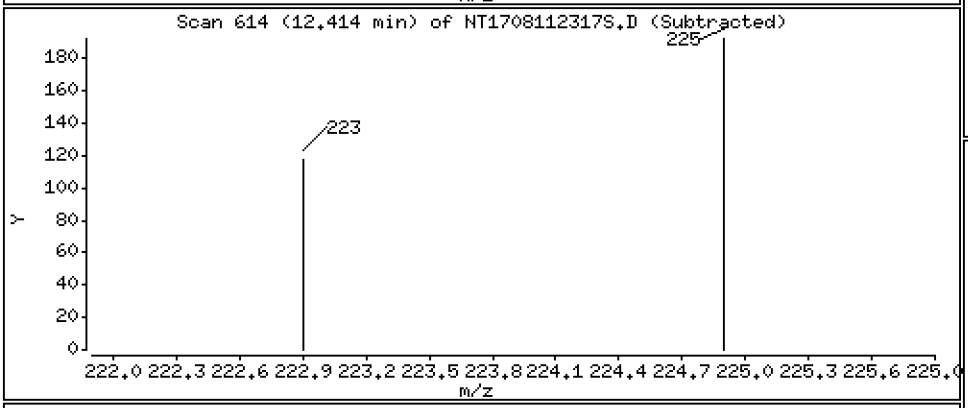
Column diameter: 0.25

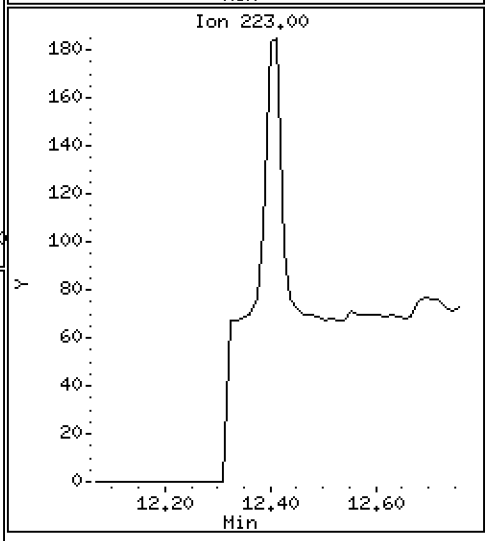
30 Hexachlorobutadiene

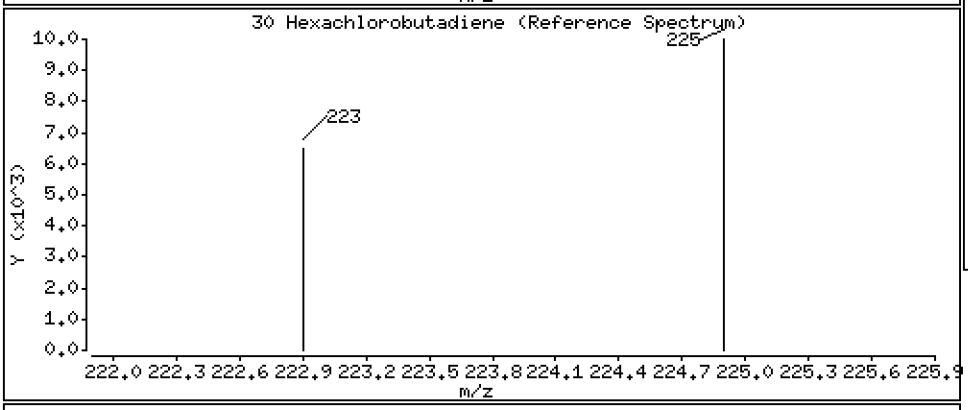
Concentration: 0.01113 ug/mL

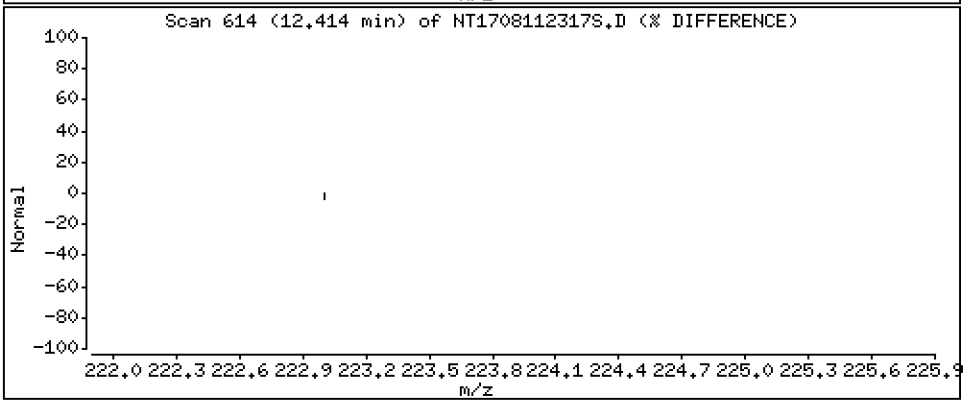












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Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

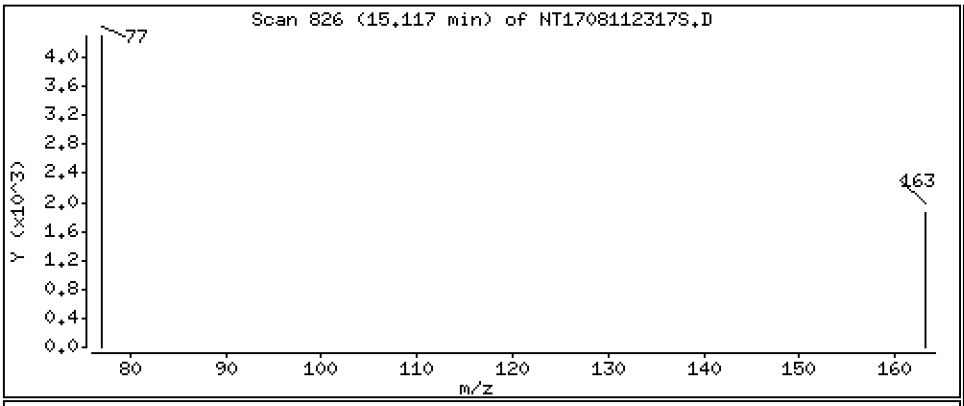
Operator: YZ

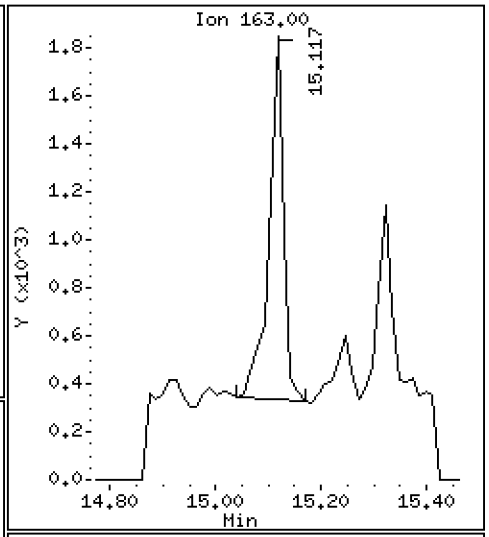
Column phase: ZB-5msi

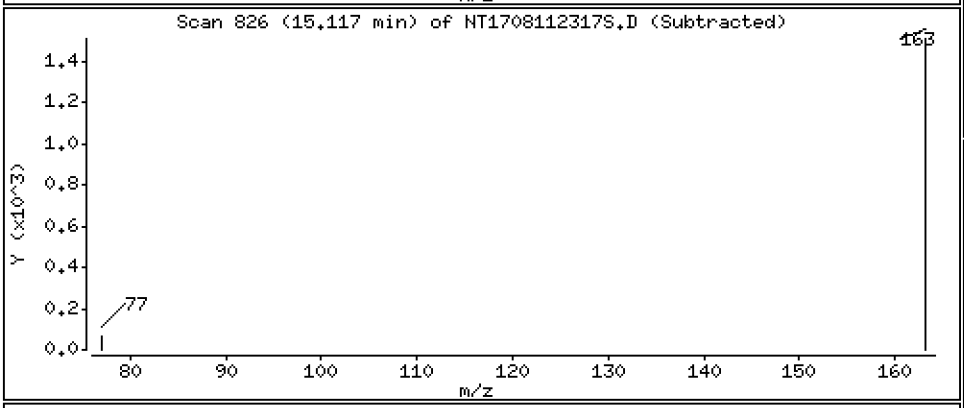
Column diameter: 0.25

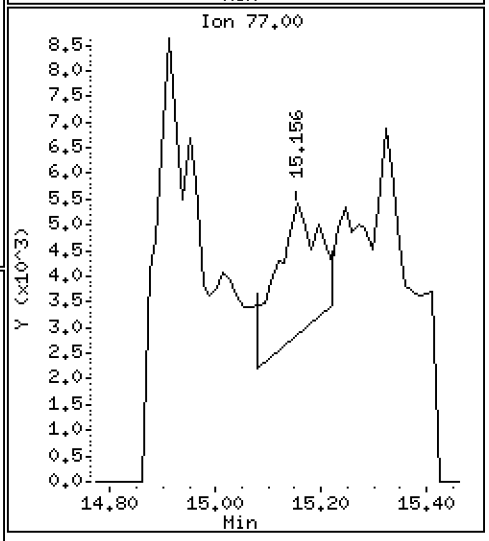
39 Dimethylphthalate

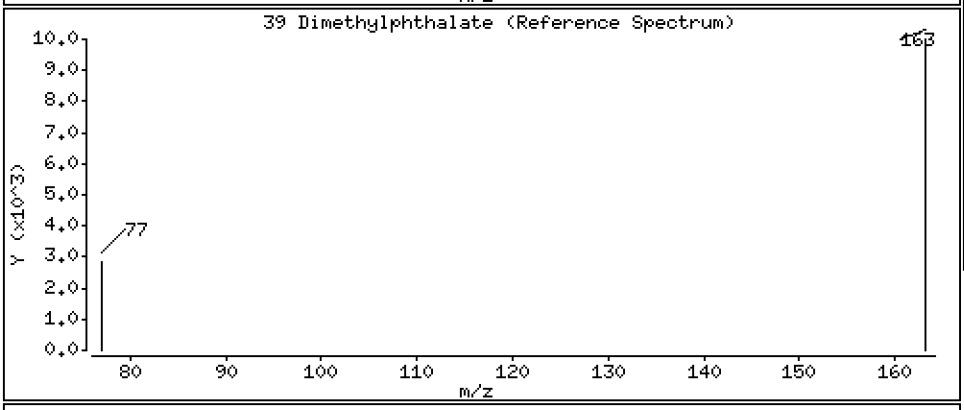
Concentration: 0.01696 ug/mL

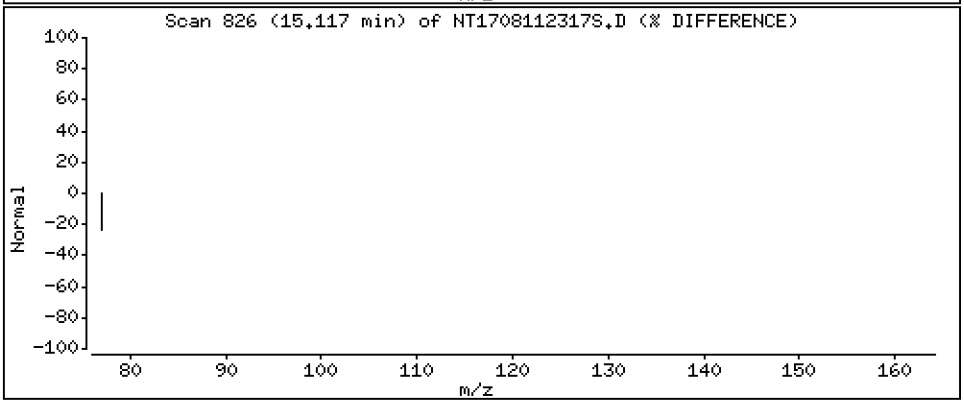












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Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

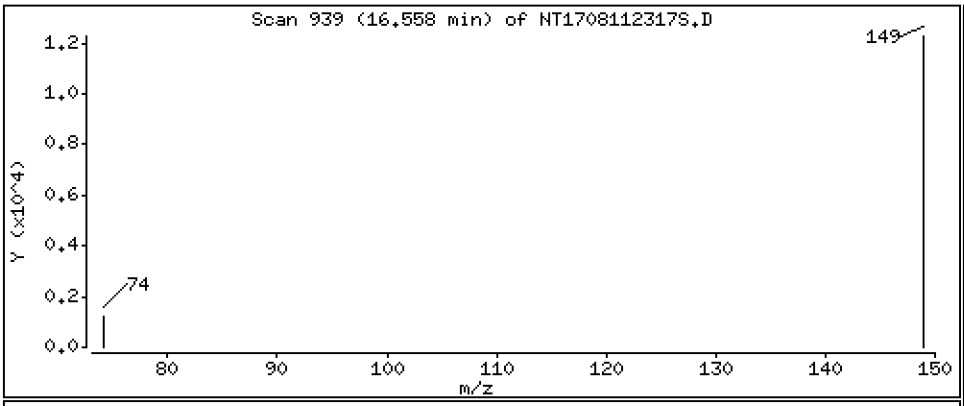
Operator: YZ

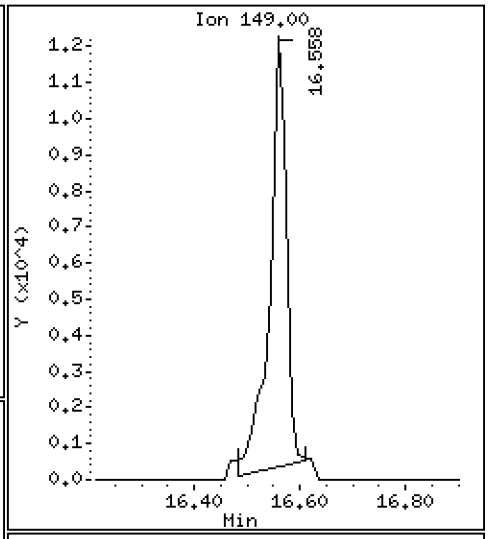
Column phase: ZB-5msi

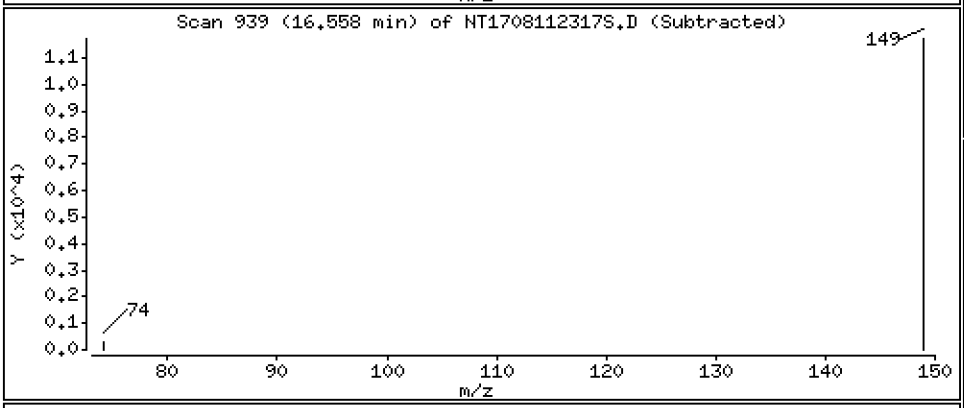
Column diameter: 0.25

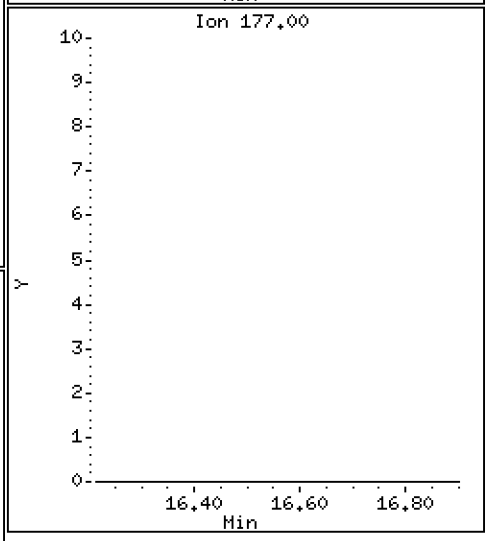
50 Diethylphthalate

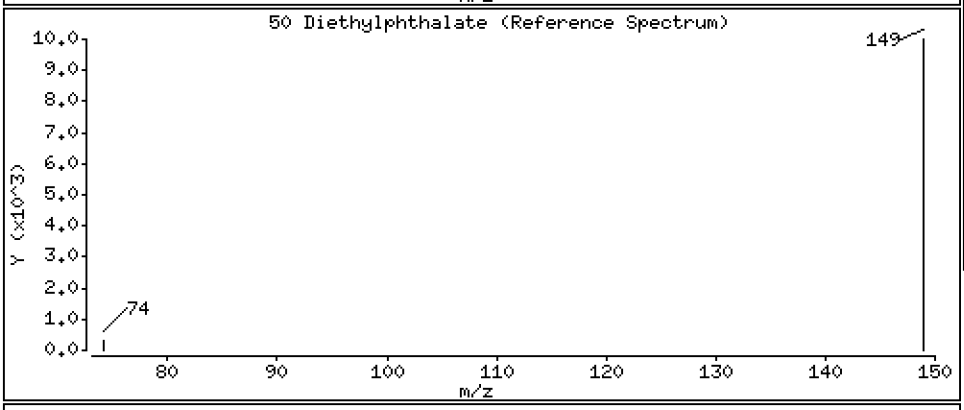
Concentration: 0.1462 ug/mL

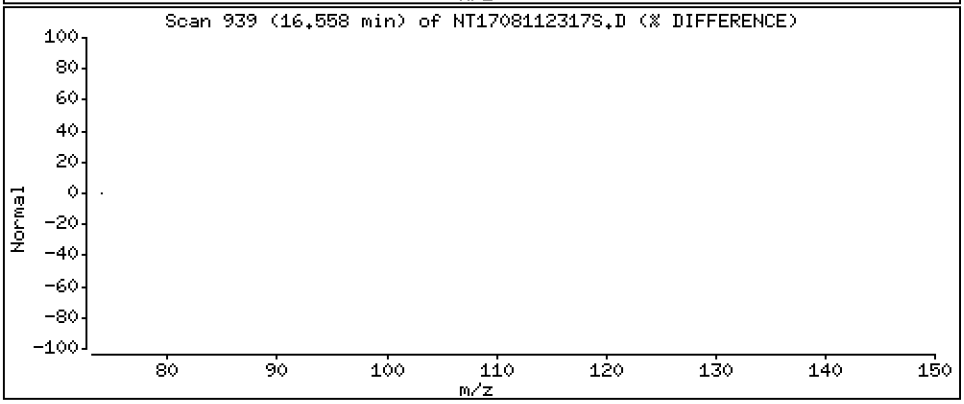












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT17081123175.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

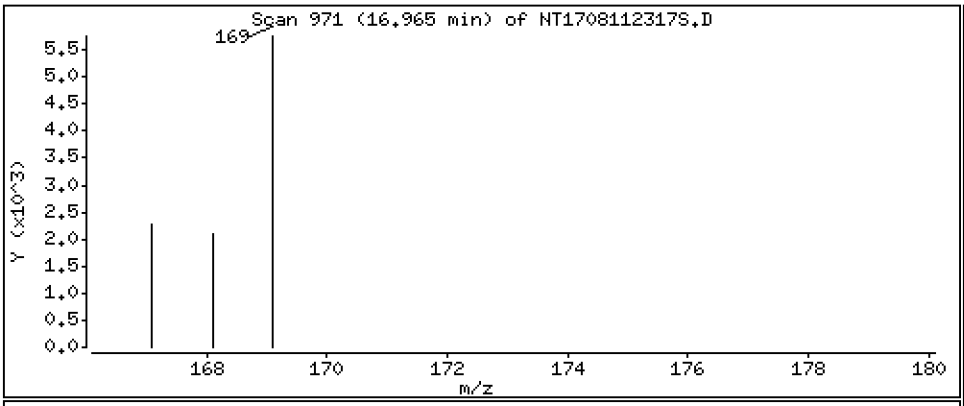
Operator: YZ

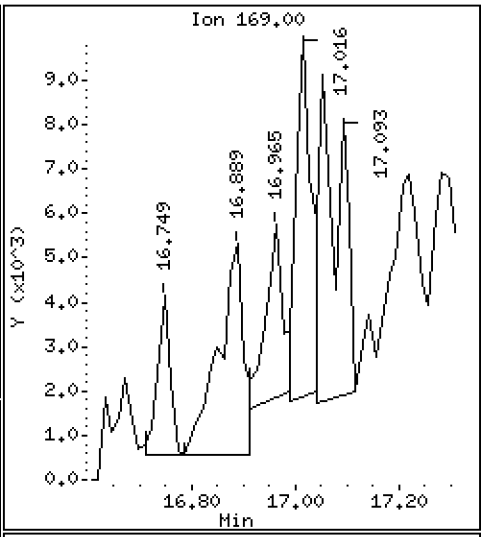
Column phase: ZB-5msi

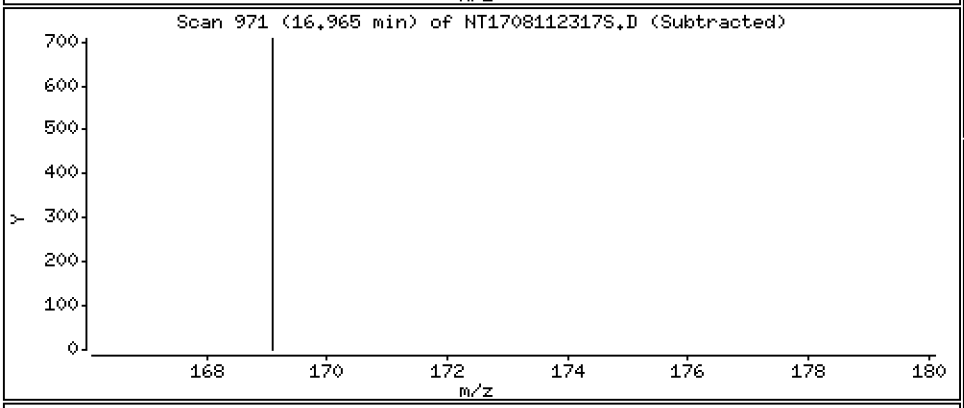
Column diameter: 0.25

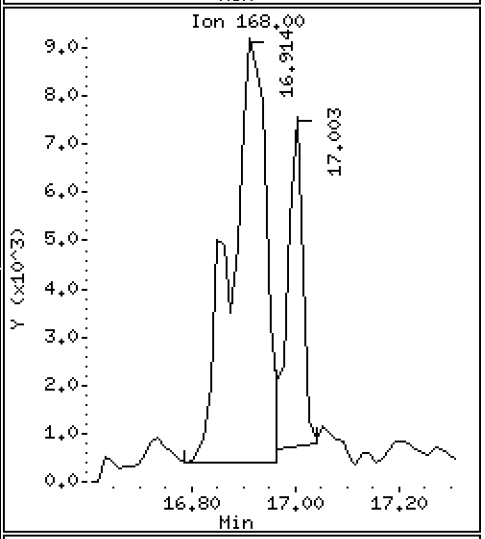
54 N-Nitrosodiphenylamine

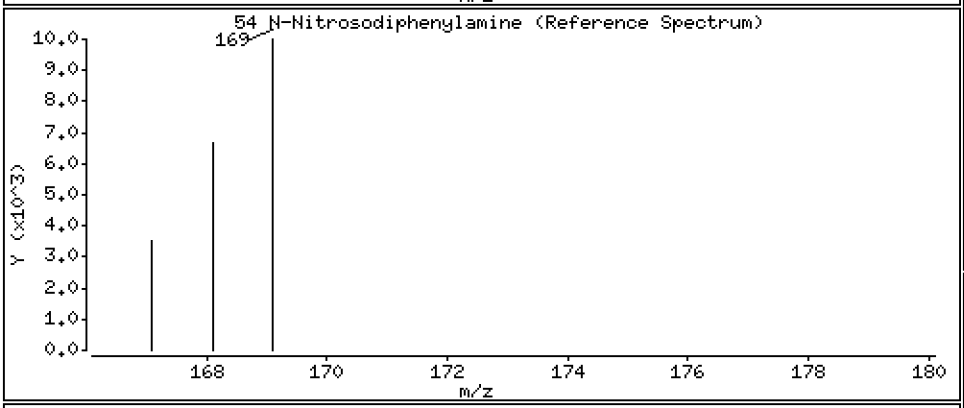
Concentration: 0.07777 ug/mL

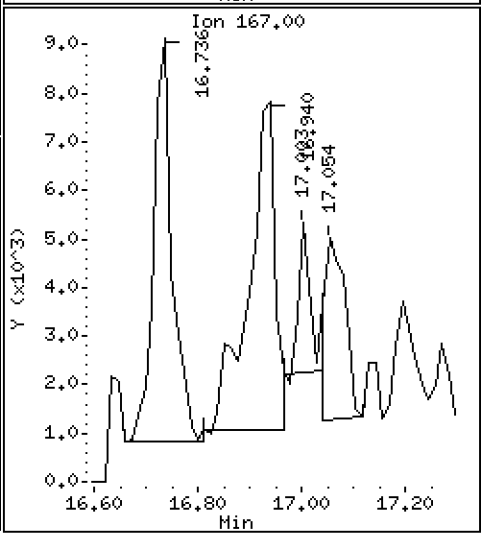


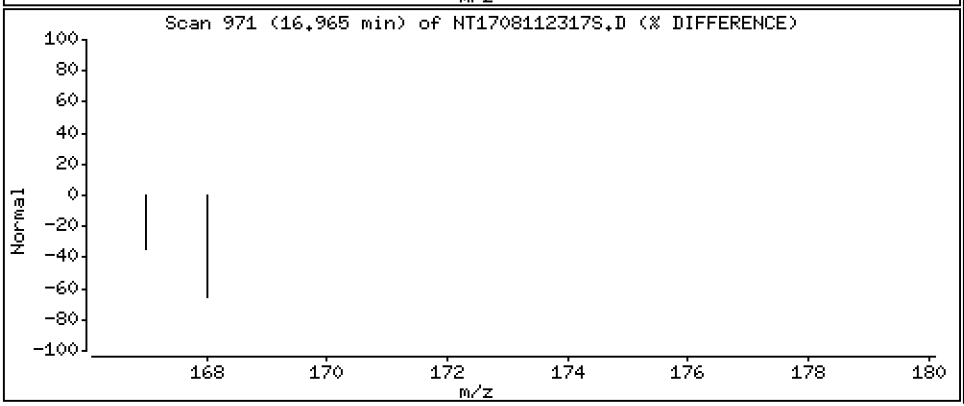












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112317S.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

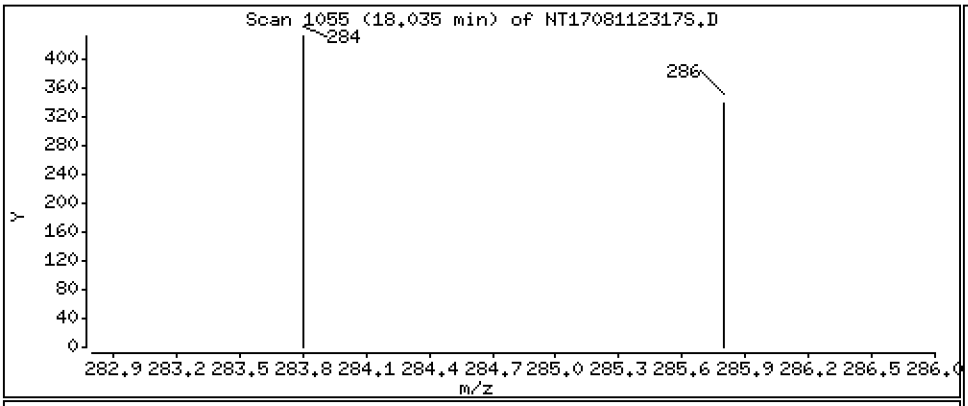
Operator: YZ

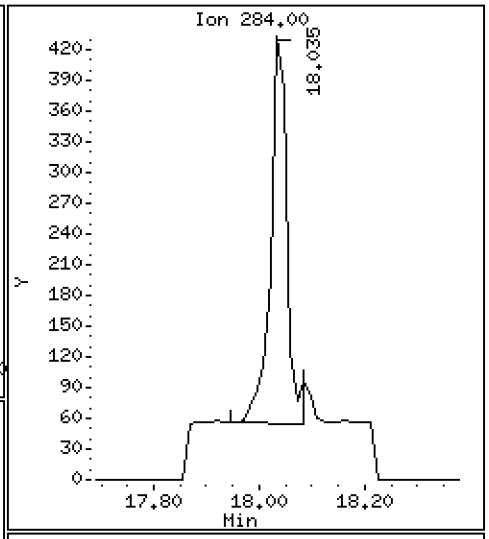
Column phase: ZB-5msi

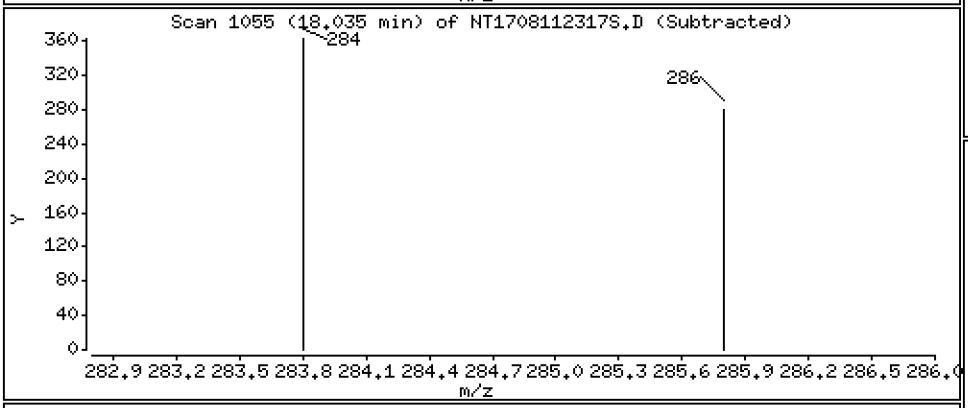
Column diameter: 0.25

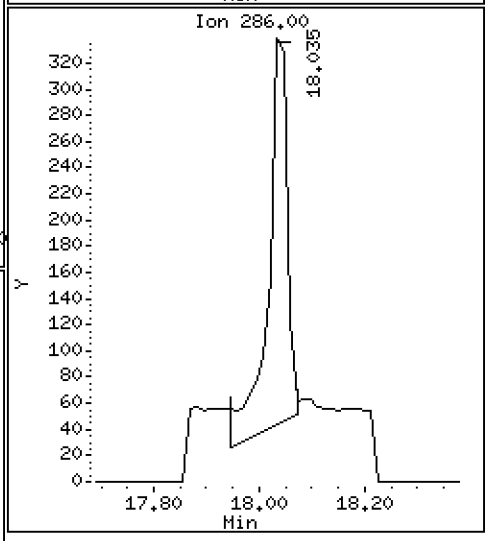
57 Hexachlorobenzene

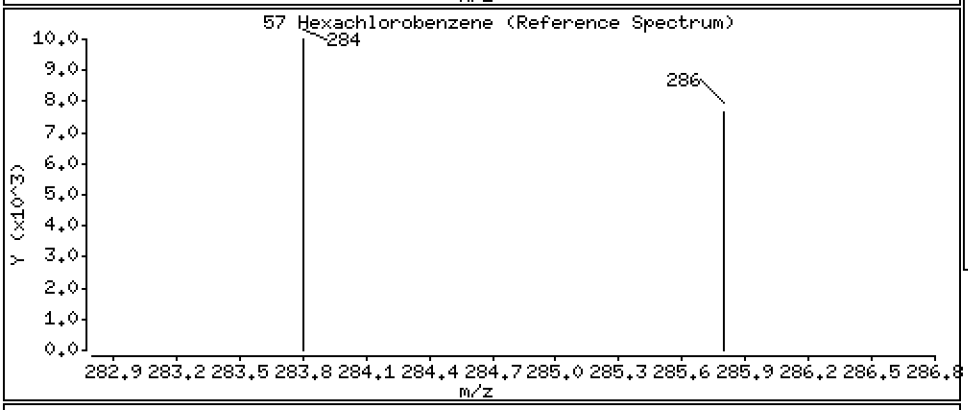
Concentration: 0.02096 ug/mL

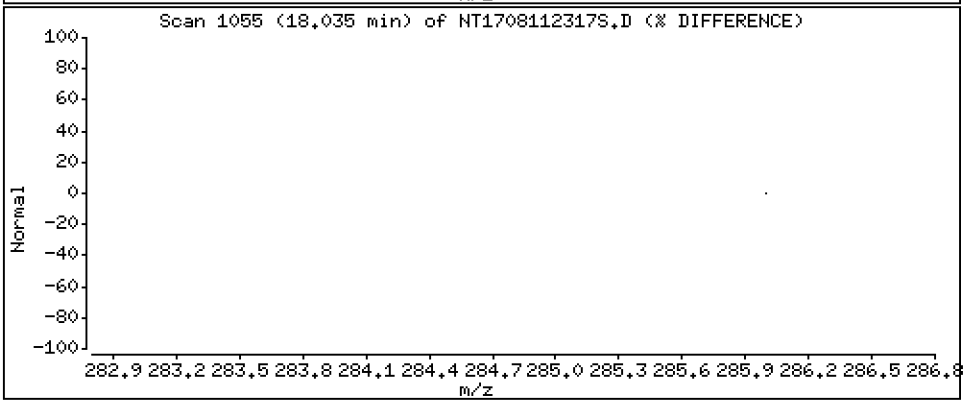












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112317S.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

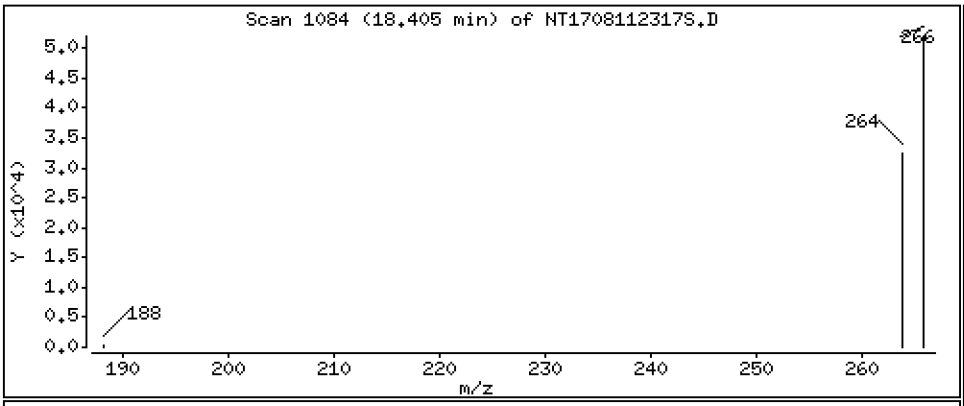
Operator: YZ

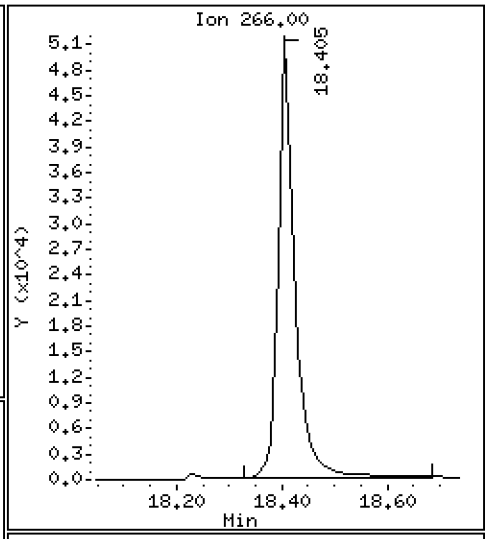
Column phase: ZB-5msi

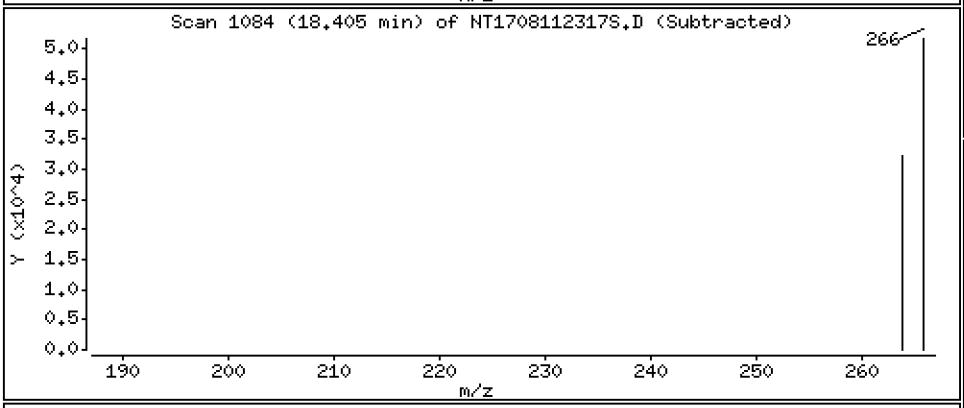
Column diameter: 0.25

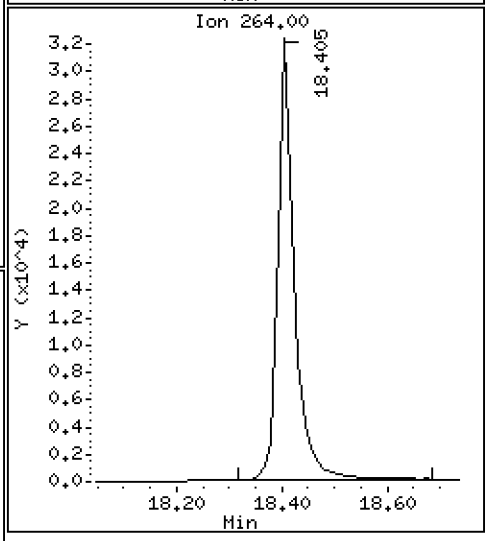
58 Pentachlorophenol

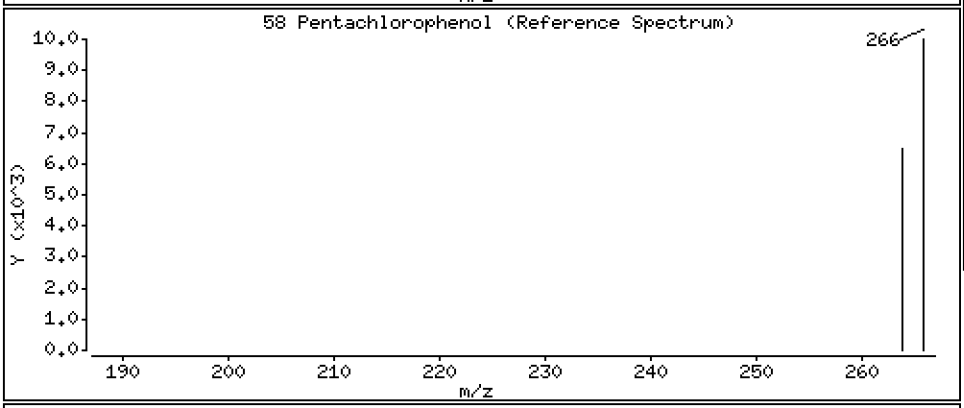
Concentration: 4.245 ug/mL

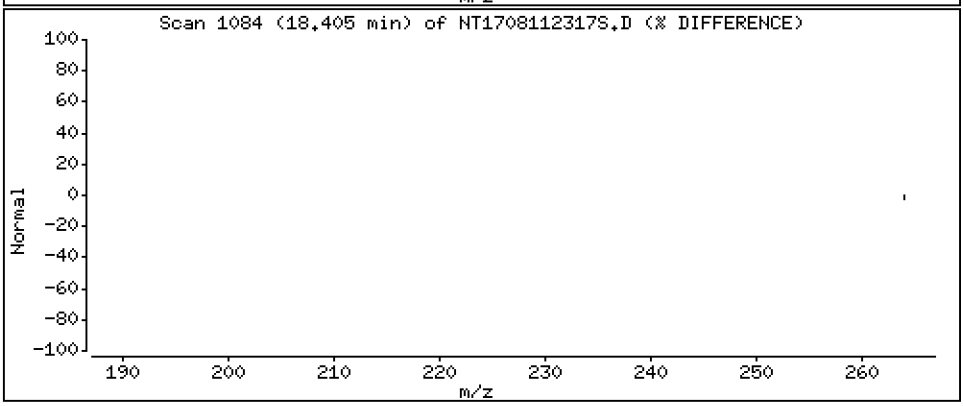












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112317S.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

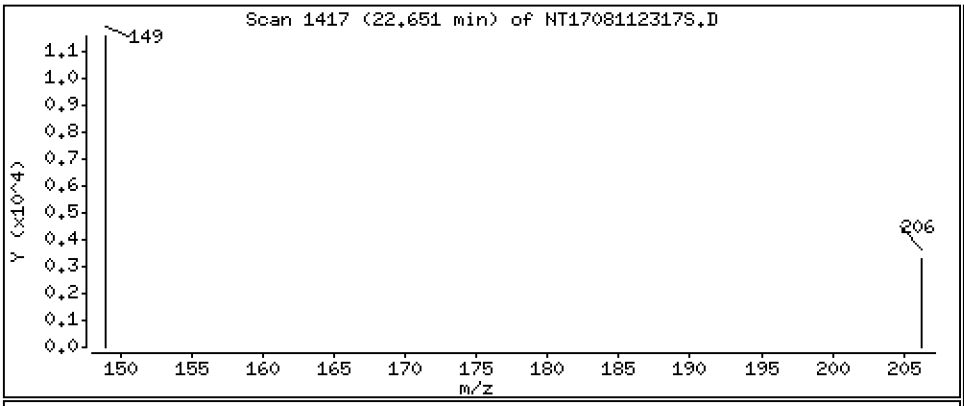
Operator: YZ

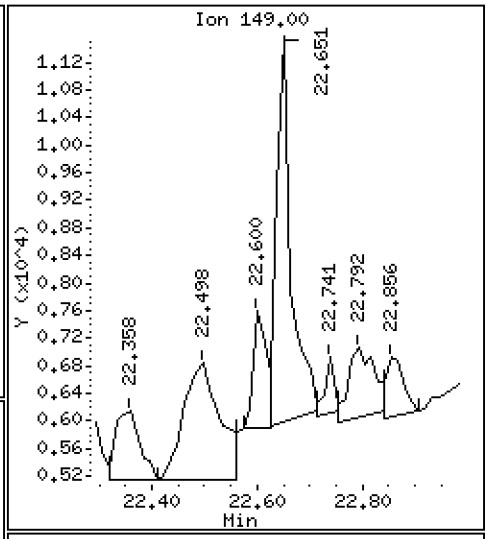
Column phase: ZB-5msi

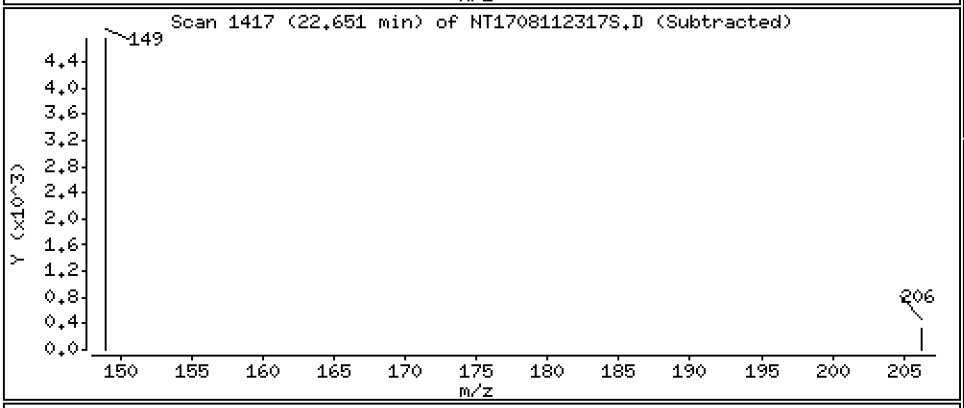
Column diameter: 0.25

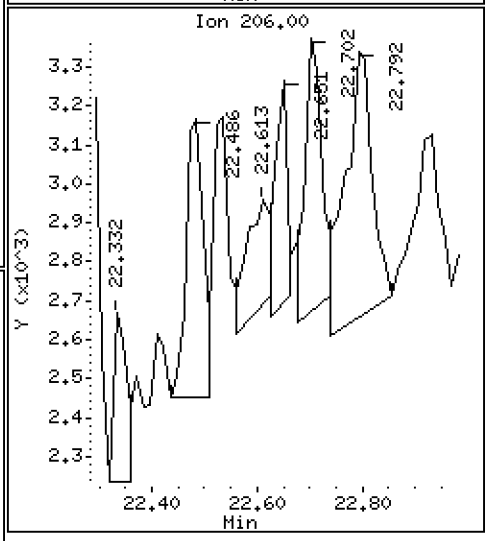
67 Butylbenzylphthalate

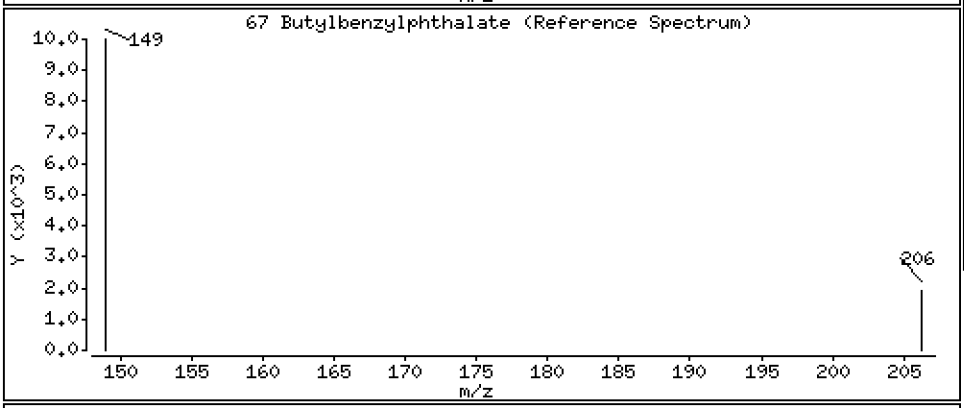
Concentration: 0.07343 ug/mL

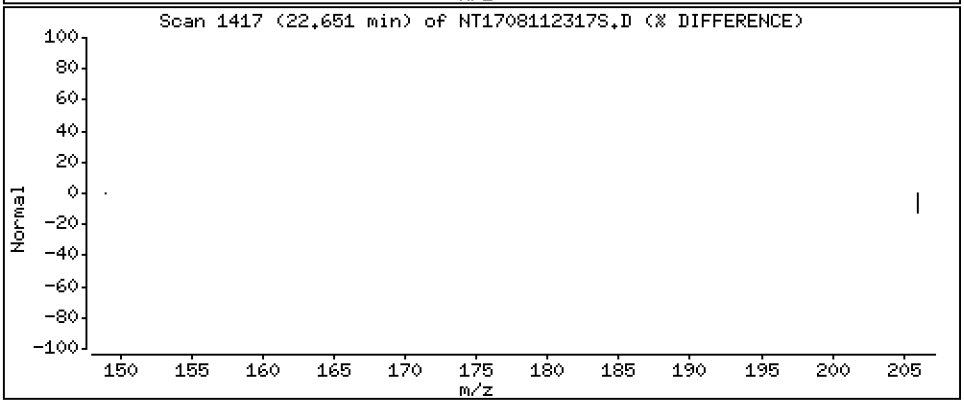












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112317S.D

Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

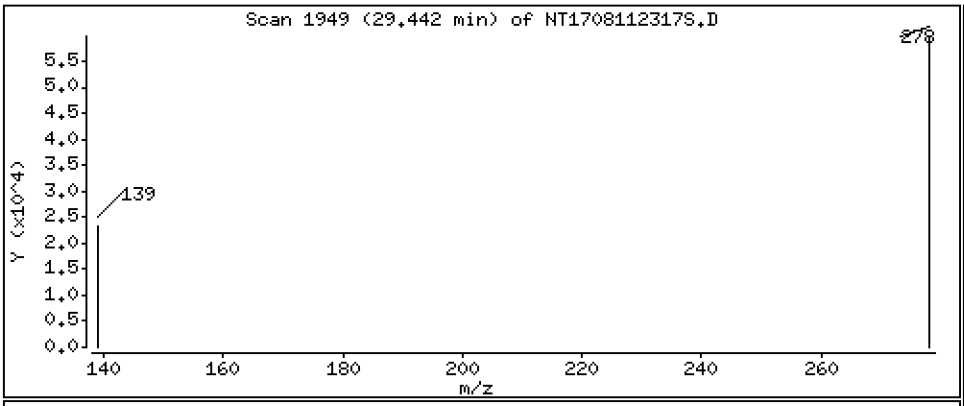
Operator: YZ

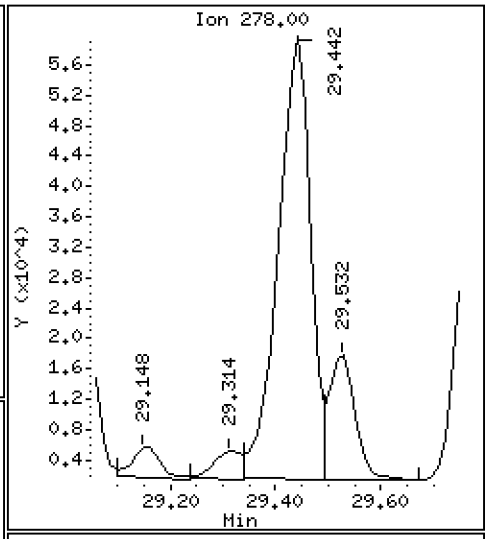
Column phase: ZB-5msi

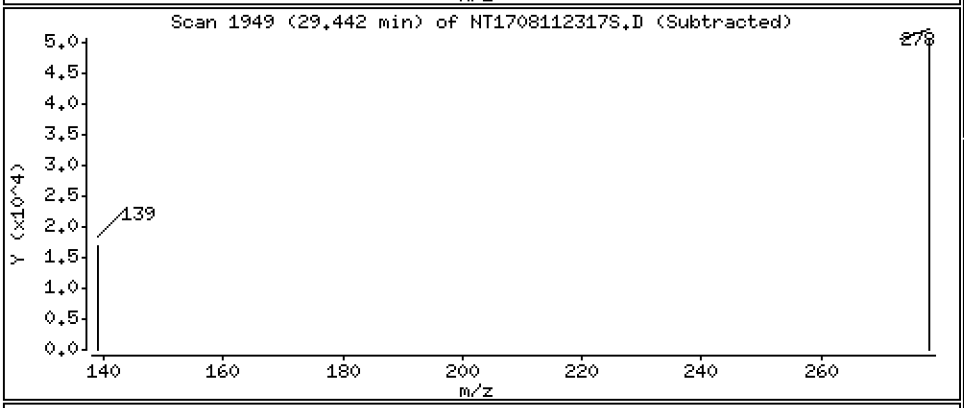
Column diameter: 0.25

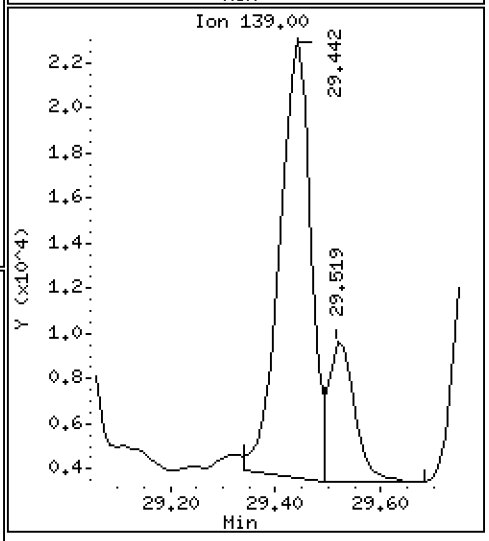
79 Dibenzo(a,h)anthracene

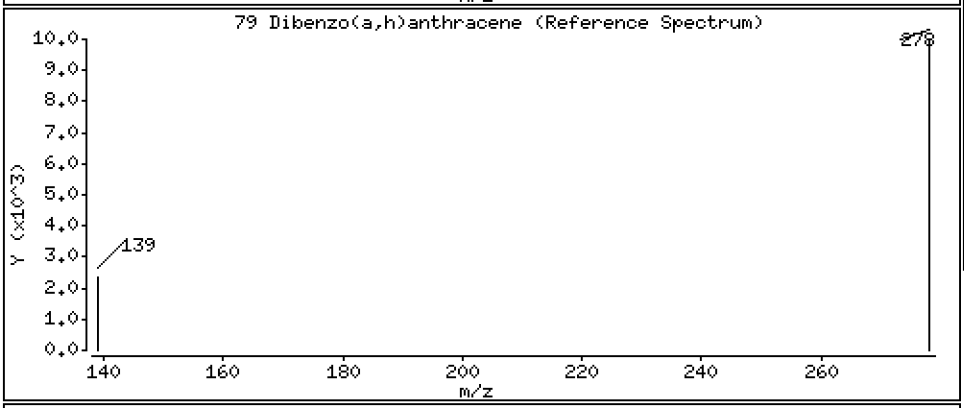
Concentration: 1.551 ug/mL

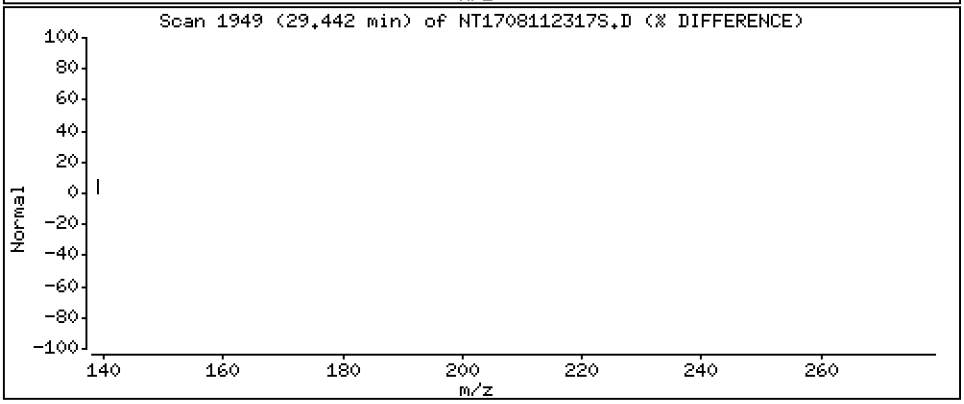












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Date : 11-AUG-2023 22:12

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-01

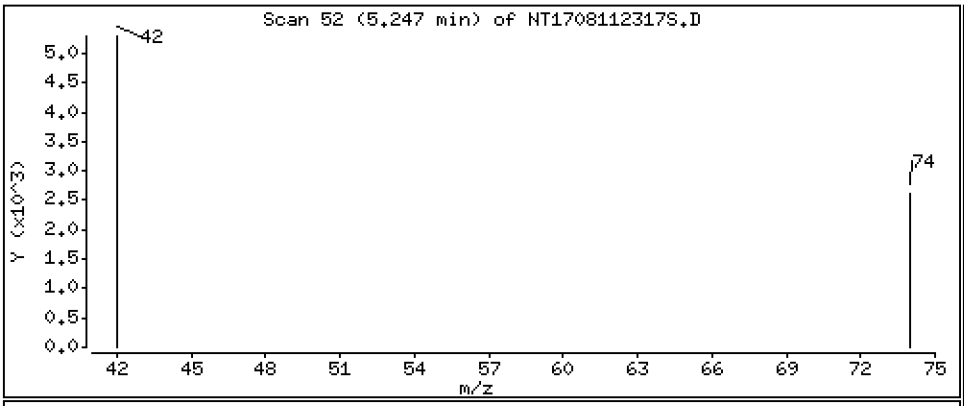
Operator: YZ

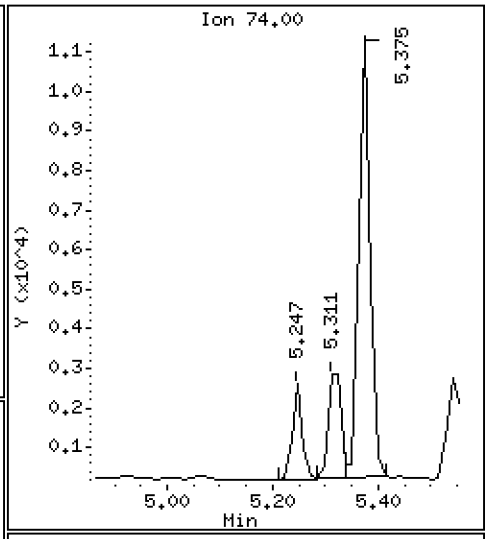
Column phase: ZB-5msi

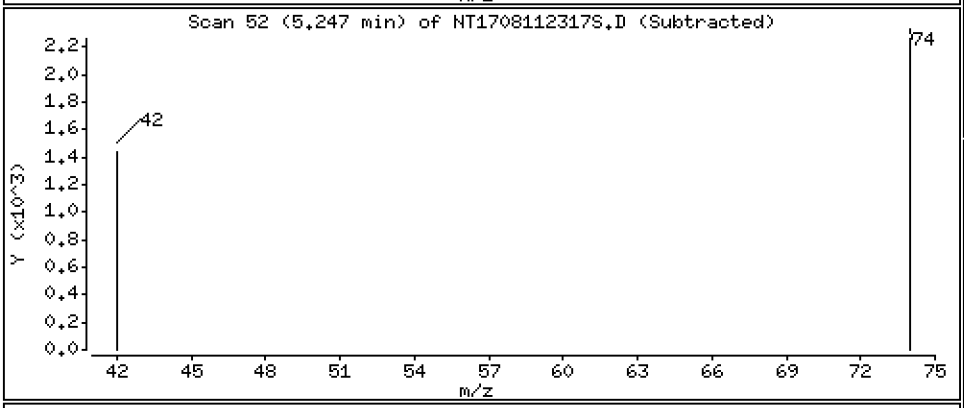
Column diameter: 0.25

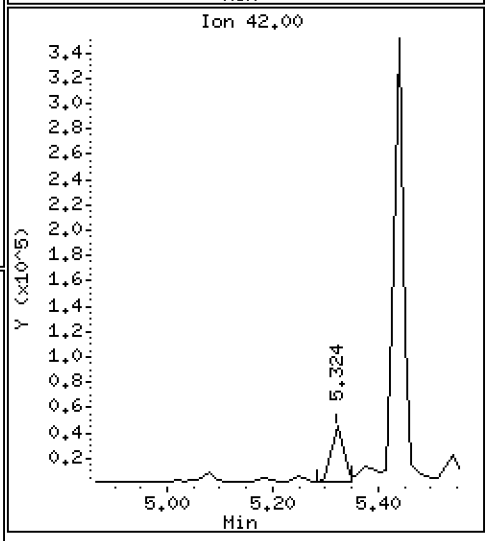
90 N-Nitrosodimethylamine

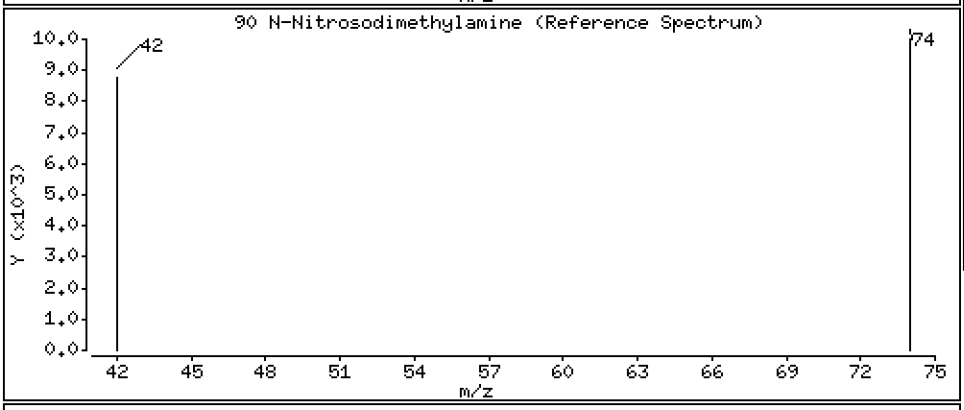
Concentration: 0.02776 ug/mL

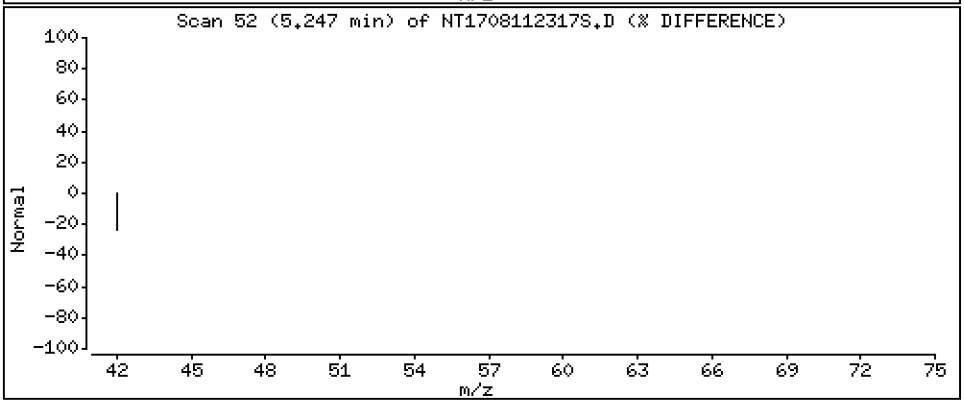












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112317S.D
Lab Smp Id: 23H0221-01
Inj Date : 11-AUG-2023 22:12
Operator : YZ Inst ID: nt17.i
Smp Info : 23H0221-01
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230811.b\SIM.b\SIMABN2.m
Meth Date : 16-Aug-2023 08:42 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
$	1	2-Fluorophenol	112	7.324	7.298	(0.768)	432811	3.63256	3.633(R)
	3	Phenol	94	8.891	8.891	(0.932)	67562	0.37198	0.3720
	7	1,3-Dichlorobenzene	146	9.477	9.477	(0.993)	1537	0.01251	0.01251
*	8	1,4-Dichlorobenzene-d4	152	9.541	9.541	(1.000)	286949	4.00000	
	9	1,4-Dichlorobenzene	146	9.566	9.566	(1.003)	1577	0.01326	0.01326(M)
	11	Benzyl alcohol	79	9.796	9.796	(1.027)	5795	0.04610	0.04610(M)
	12	1,2-Dichlorobenzene	146	9.924	9.924	(1.040)	16087	0.13948	0.1395
	13	2-Methylphenol	108	10.014	10.001	(1.050)	7619	0.06918	0.06918
	15	4-Methylphenol	108	10.282	10.269	(1.078)	25696	0.22324	0.2232
	16	N-Nitroso-di-n-propylamine	70	10.346	10.346	(1.084)	11256	0.09563	0.09563
	22	2,4-Dimethylphenol	107	11.317	11.316	(0.942)	8354	0.06984	0.06984
	24	Benzoic acid	105	11.431	11.444	(0.951)	123921	1.57564	1.576
	26	1,2,4-Trichlorobenzene	180	11.929	11.929	(0.993)	3561	0.04357	0.04357
*	27	Naphthalene-d8	136	12.018	12.018	(1.000)	1192209	4.00000	
	30	Hexachlorobutadiene	225	12.413	12.413	(1.033)	426	0.01113	0.01113
	39	Dimethylphthalate	163	15.117	15.117	(0.967)	2929	0.01696	0.01696(M)
*	42	Acenaphthene-d10	162	15.627	15.627	(1.000)	531289	4.00000	
	50	Diethylphthalate	149	16.557	16.557	(1.060)	26249	0.14619	0.1462
	54	N-Nitrosodiphenylamine	169	16.965	16.965	(0.909)	9390	0.07777	0.07777
	57	Hexachlorobenzene	284	18.034	18.034	(0.966)	829	0.02096	0.02096(M)
	58	Pentachlorophenol	266	18.404	18.391	(0.986)	113971	4.24534	4.245
*	59	Phenanthrene-d10	188	18.672	18.659	(1.000)	839886	4.00000	
$	66	Terphenyl-d14	244	21.745	21.745	(0.919)	320699	4.06235	4.062(R)
	67	Butylbenzylphthalate	149	22.651	22.638	(0.957)	11116	0.07343	0.07343
*	69	Chrysene-d12	240	23.659	23.646	(1.000)	570479	4.00000	
*	77	Perylene-d12	264	26.478	26.452	(1.000)	542672	4.00000	
	79	Dibenzo(a,h)anthracene	278	29.442	29.403	(1.112)	248679	1.55146	1.551
	90	N-Nitrosodimethylamine	74	5.247	5.209	(0.550)	3365	0.02776	0.02776

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708112317S.D
Lab Smp Id: 23H0221-01
Analysis Type: SV
Quant Type: ISTD
Operator: YZ
Method File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\SIMABN2.m
Misc Info:

Calibration Date: 11-AUG-2023
Calibration Time: 13:27
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	295324	147662	590648	286949	-2.84
27 Naphthalene-d8	1172715	586358	2345430	1192209	1.66
42 Acenaphthene-d10	521273	260637	1042546	531289	1.92
59 Phenanthrene-d10	837823	418912	1675646	839886	0.25
69 Chrysene-d12	615517	307759	1231034	570479	-7.32
77 Perylene-d12	594634	297317	1189268	542672	-8.74

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.54	9.04	10.04	9.54	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.67	0.07
69 Chrysene-d12	23.65	23.15	24.15	23.66	0.05
77 Perylene-d12	26.45	25.95	26.95	26.48	0.10

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

REVIEW SUMMARY FOR FILE - NT1708112317S.D

Lab ID: 23H0221-01
nt17.i, 20230811.b\SIM.b\SIMABN2.m,   11-AUG-2023 22:12

RT	CO-ELUTION COMPOUNDS
NO CO-ELUTIONS	

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
NONE			

RRT check based on Ccal File: SIM.b/NT1708112303S.D

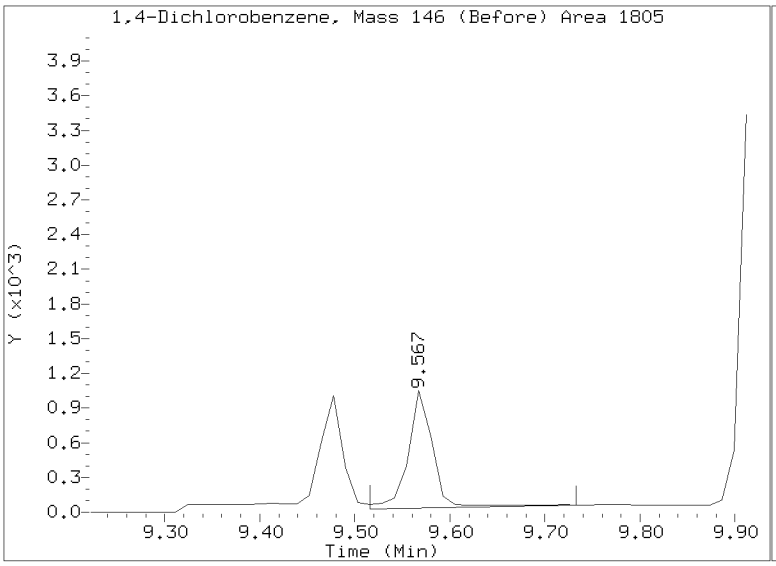
On Column LOD for nt17.i, SIM.b\SIMABN2.m, PSDDA.sub = 0.0000

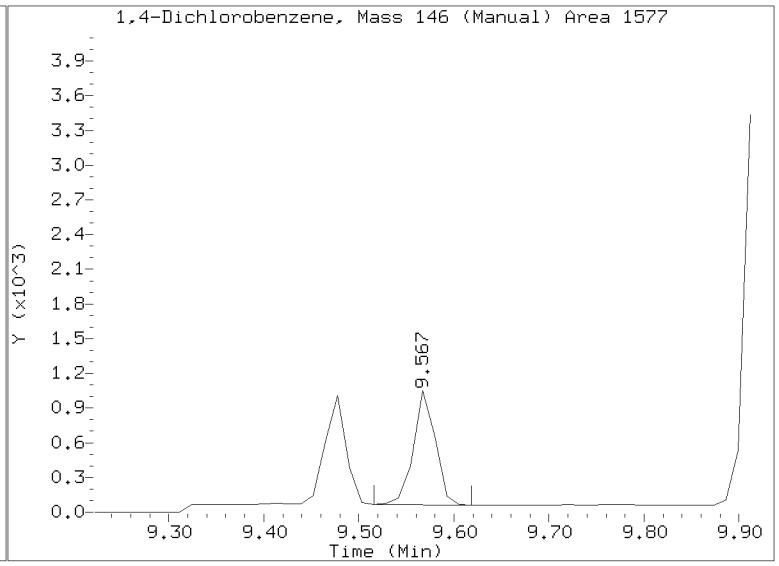
Exception: 1,2,4-Trichlorobenzene 0.0010

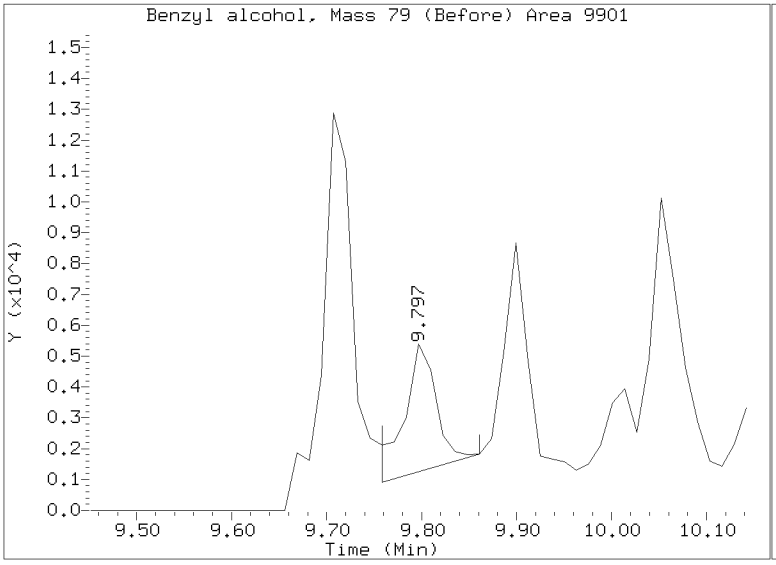
* Only compounds listed in the work order have been verified by the analyst *

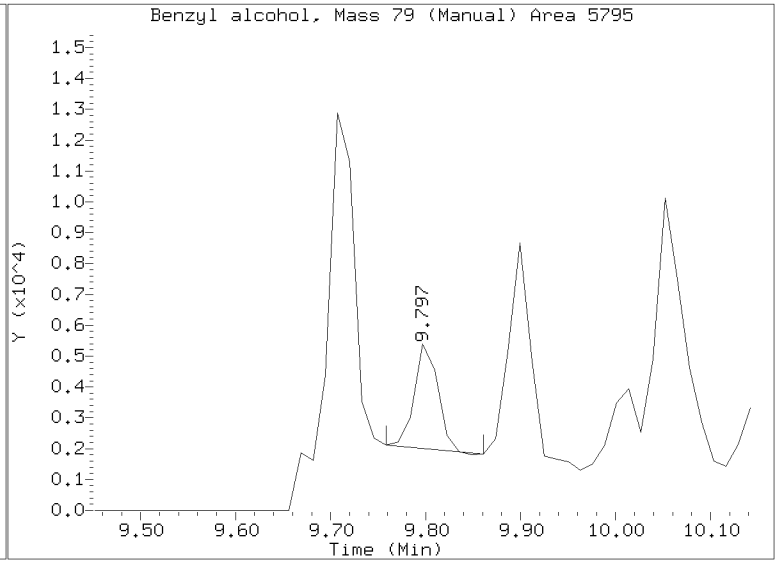
Quant Ion Manual Peak Adjustment Report

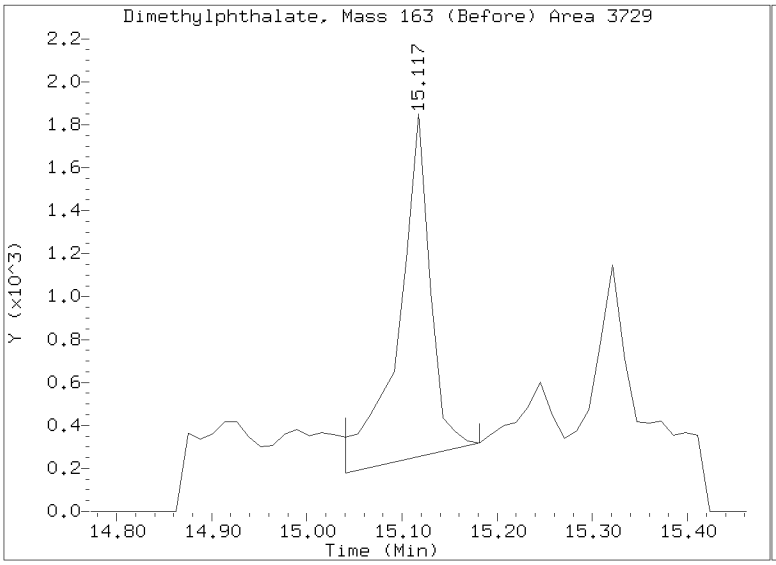
Datafile: //target/share/chem3/nt17.i/20230811.b/SIM.b/NT1708112317S.D
Injection Date: 11-AUG-2023 22:12
Lab ID:23H0221-01 Client ID:
Report Date: 08/16/2023 08:43

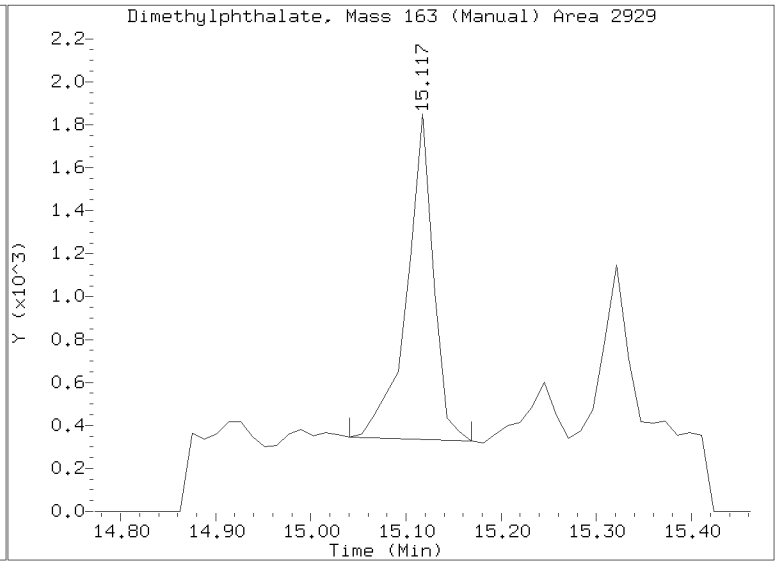






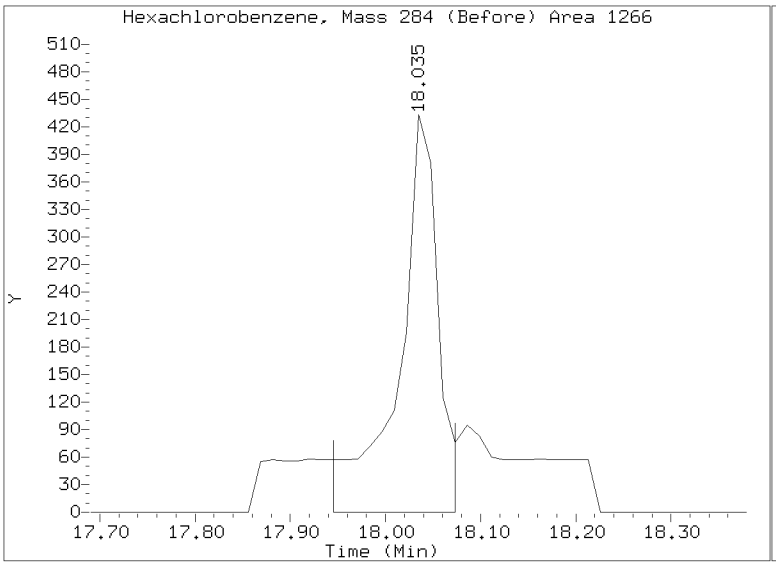


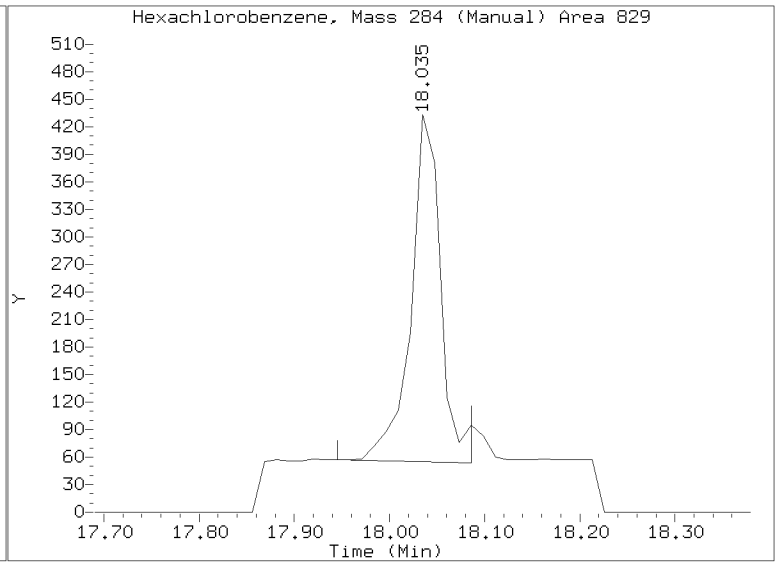




Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230811.b/SIM.b/NT1708112317S.D
Injection Date: 11-AUG-2023 22:12
Lab ID:23H0221-01 Client ID:
Report Date: 08/16/2023 08:43





Form I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E-SIM

SIM SVOC Organics (Dual scan list)

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC5 MR Phase 1				
Matrix:	Sediment	Laboratory ID:	23H0221-02 B	SDG:	23H0221
Sampled:	04/10/23 16:11	Prepared:	08/08/23 09:17	File ID:	NT1708112318S.D
% Solids:	79.16	Preparation:	EPA 3546 (Microwave)	Analyzed:	08/11/23 22:49
Batch:	BLH0180	Sequence:	SLH0248	Initial/Final:	12.63 g Wet / 1 mL
Instrument:	NT17	Column:	ZB-5MS	Calibration:	GH00045
Cleanups:	GPC				

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
106-46-7	1,4-Dichlorobenzene	1	5.0	U	0.6	5.0
95-50-1	1,2-Dichlorobenzene	1	5.0	U	0.7	5.0
100-51-6	Benzyl Alcohol	1	4.9	J	2.5	20.0
65-85-0	Benzoic acid	1	56.1	Q, J	13.4	100
106-44-5	4-Methylphenol	1	2.3	J	0.9	5.0
105-67-9	2,4-Dimethylphenol	1	20.0	U	2.2	20.0
120-82-1	1,2,4-Trichlorobenzene	1	5.0	U	2.7	5.0
86-30-6	N-Nitrosodiphenylamine	1	5.0	U	1.3	5.0
87-86-5	Pentachlorophenol	1	2.7	J	2.1	20.0

SURROGATES	ADDED:(ug/mL)	(ug/mL)	% REC	QC LIMITS	Q
2-Fluorophenol	7.5000	4.66	62.1	27 - 120	
p-Terphenyl-d14	5.0000	4.20	84.1	37 - 120	

Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT17081123185.D

Date : 11-AUG-2023 22:49

Client ID:

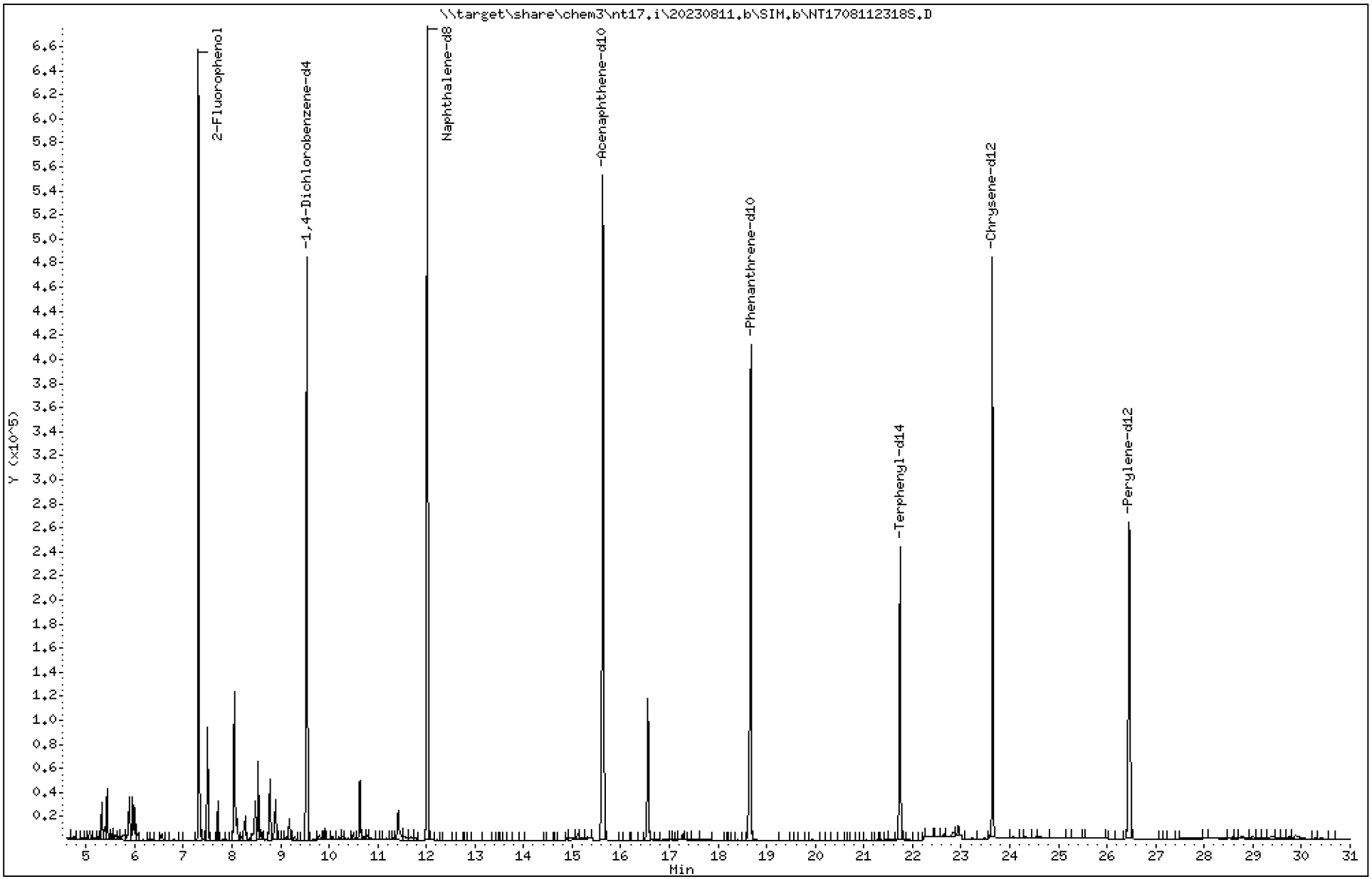
Sample Info: 23H0221-02

Instrument: nt17.i

Operator: YZ

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

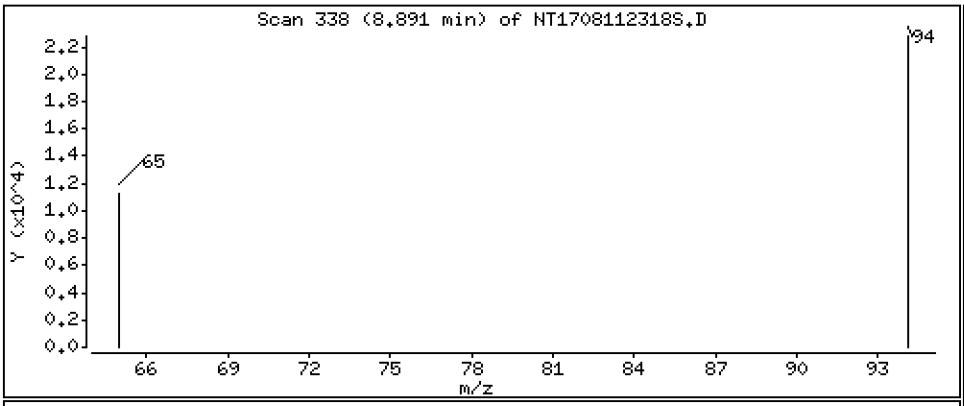
Operator: YZ

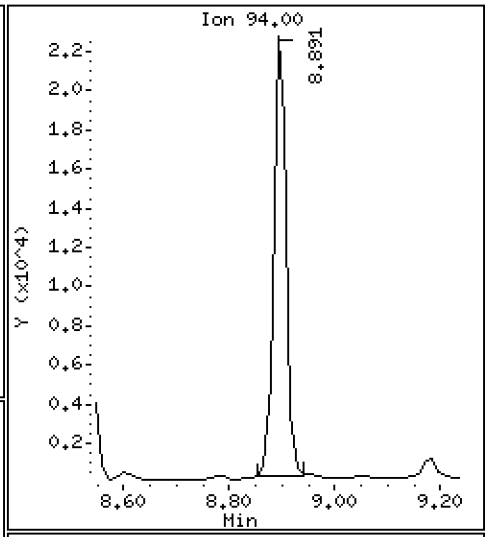
Column phase: ZB-5msi

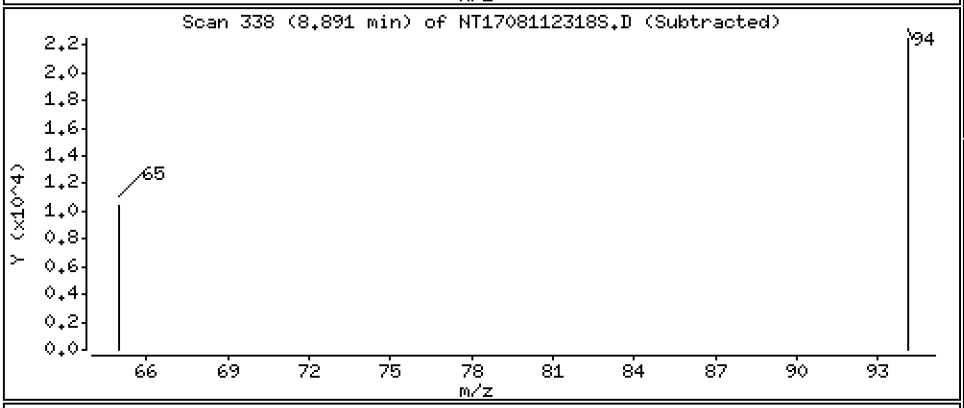
Column diameter: 0.25

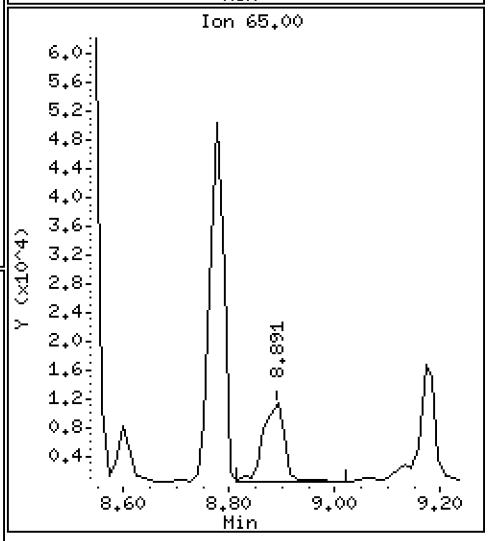
3 Phenol

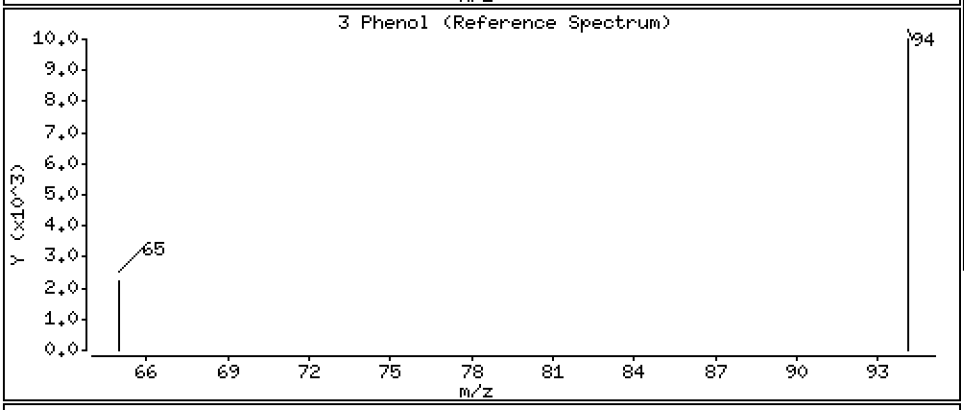
Concentration: 0.2060 ug/mL

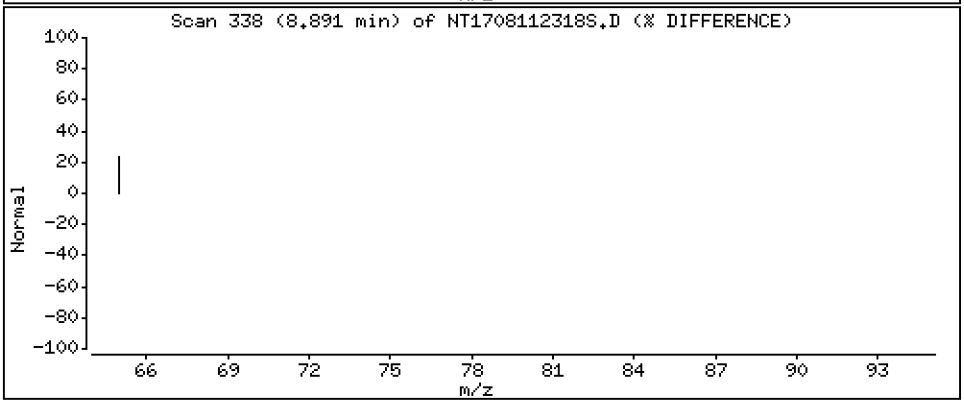












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Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

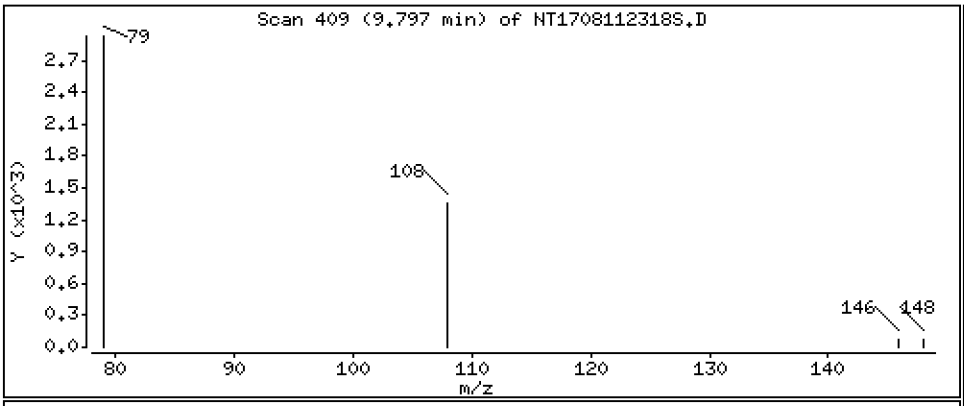
Operator: YZ

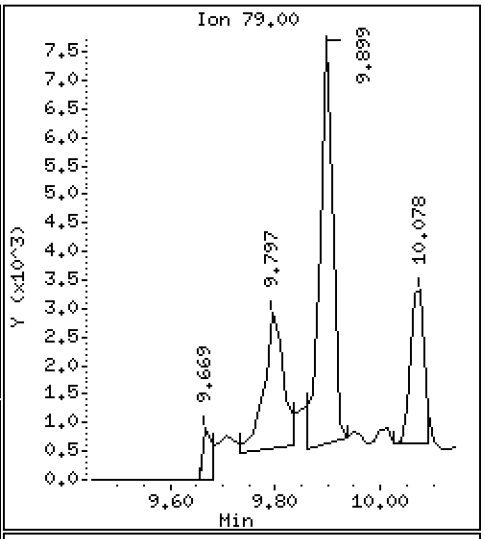
Column phase: ZB-5msi

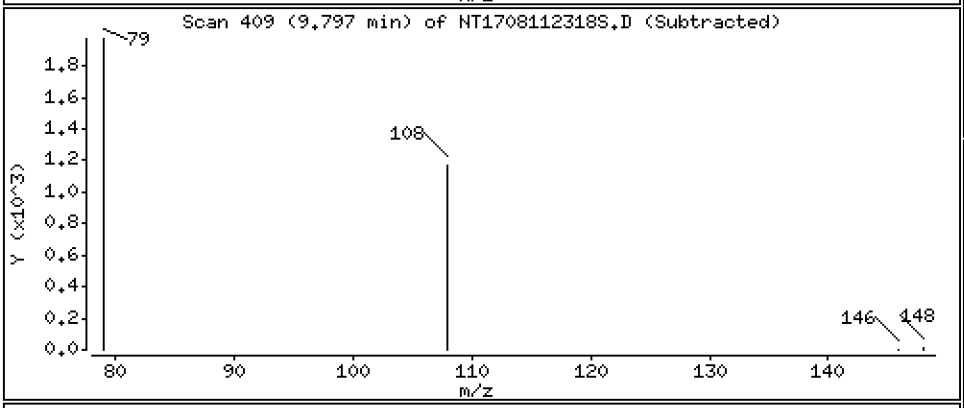
Column diameter: 0.25

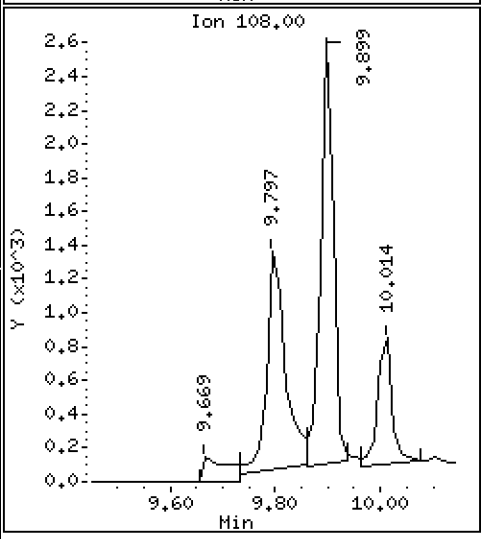
11 Benzyl alcohol

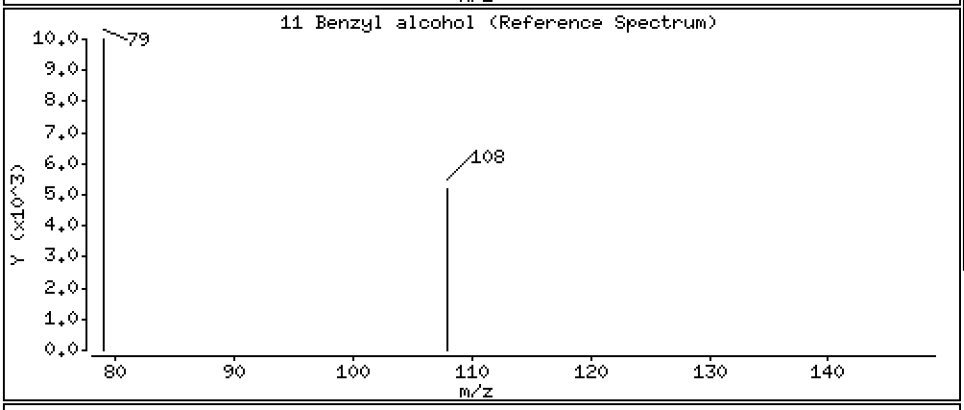
Concentration: 0.04933 ug/mL

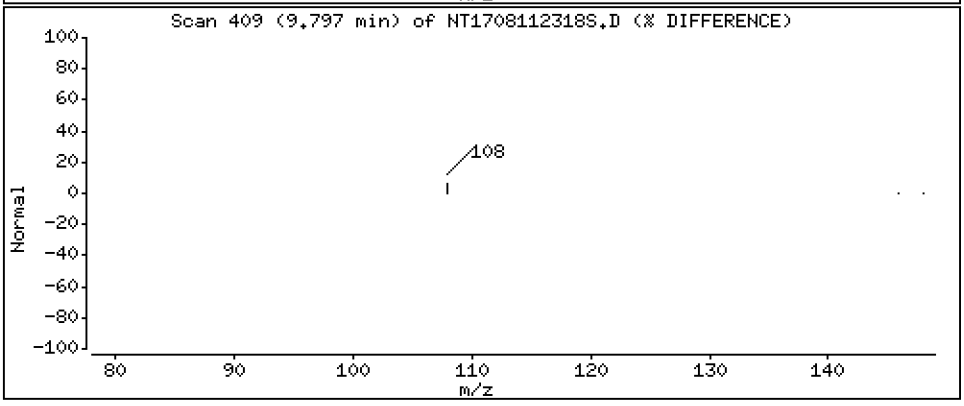












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Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

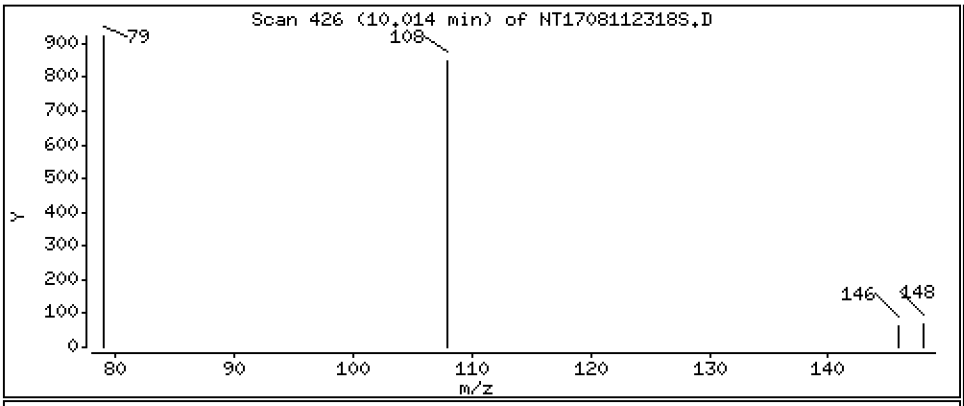
Operator: YZ

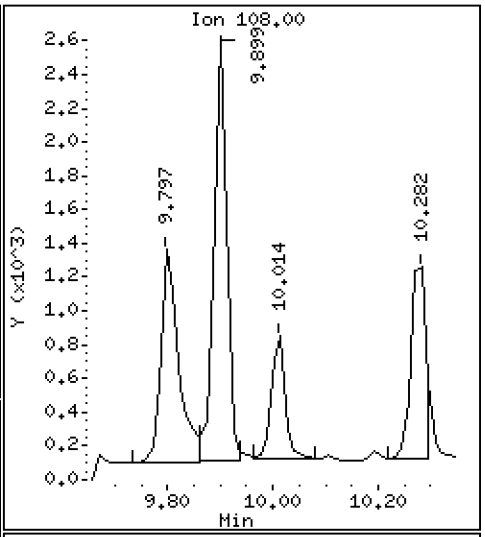
Column phase: ZB-5msi

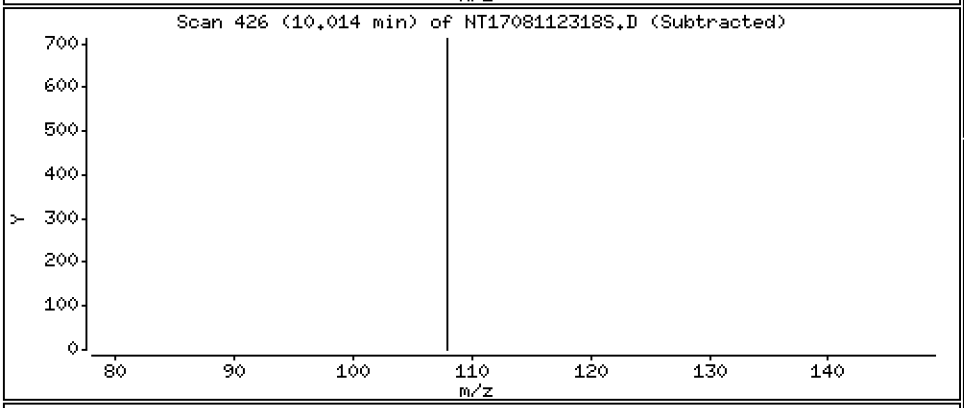
Column diameter: 0.25

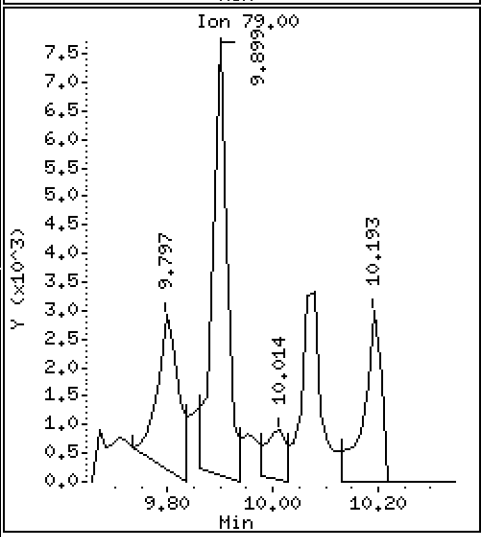
13 2-Methylphenol

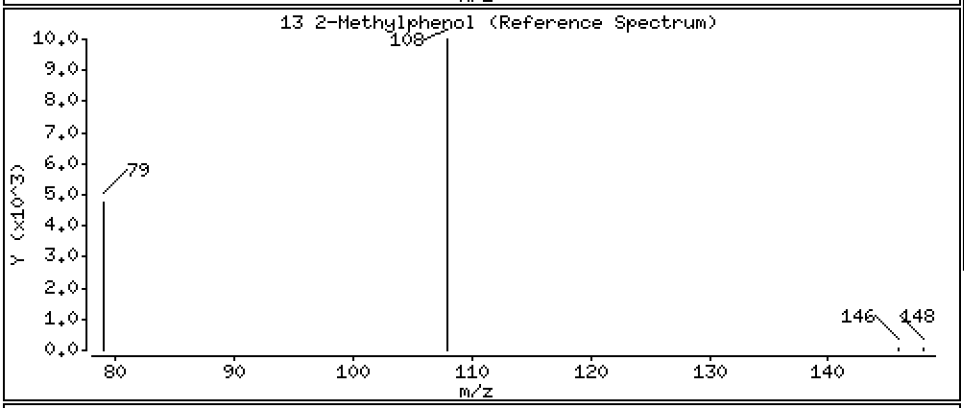
Concentration: 0.01185 ug/mL

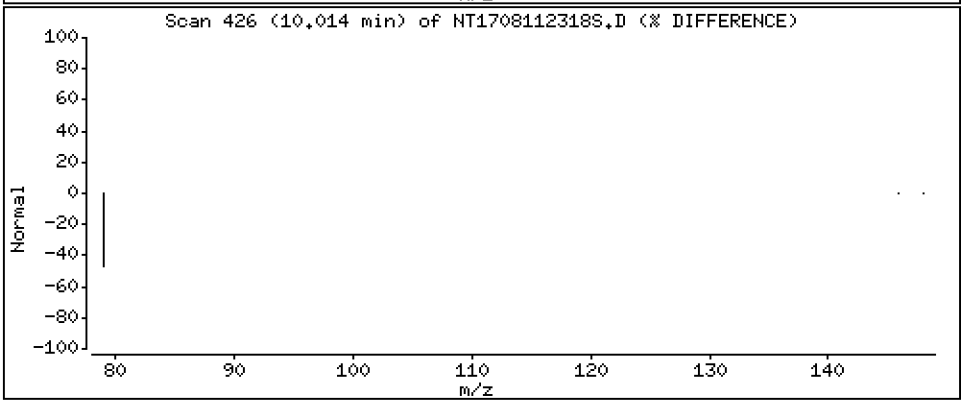












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Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

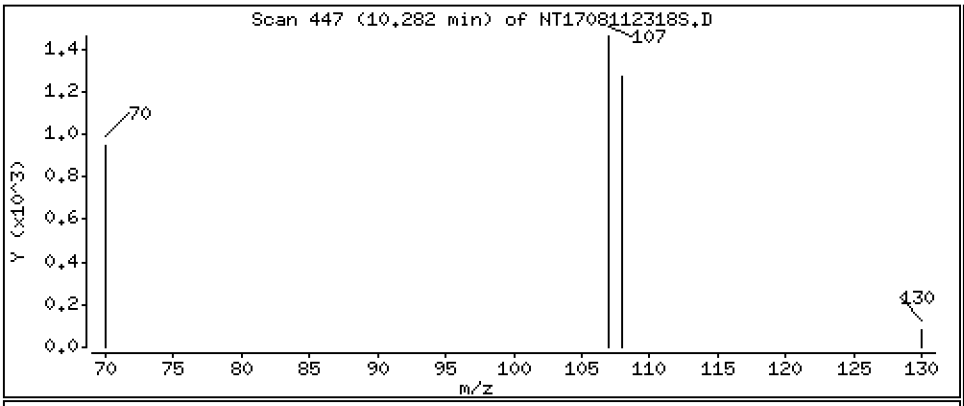
Operator: YZ

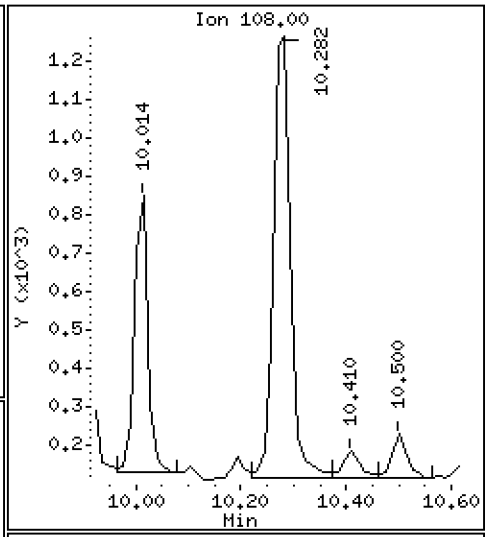
Column phase: ZB-5msi

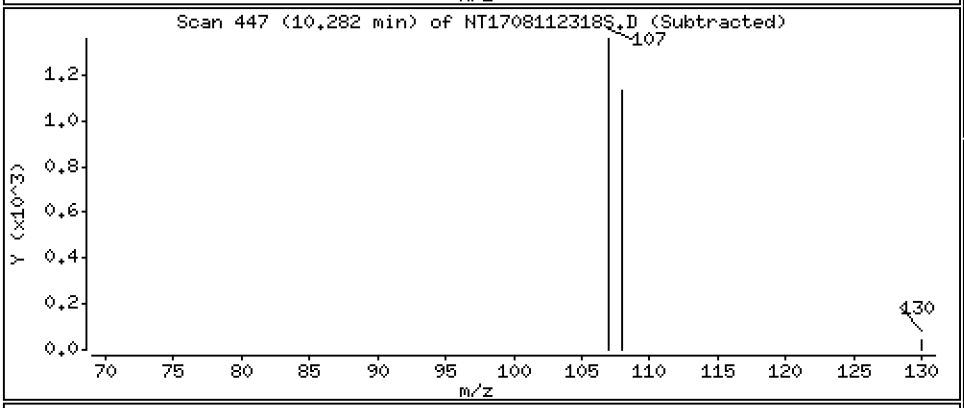
Column diameter: 0.25

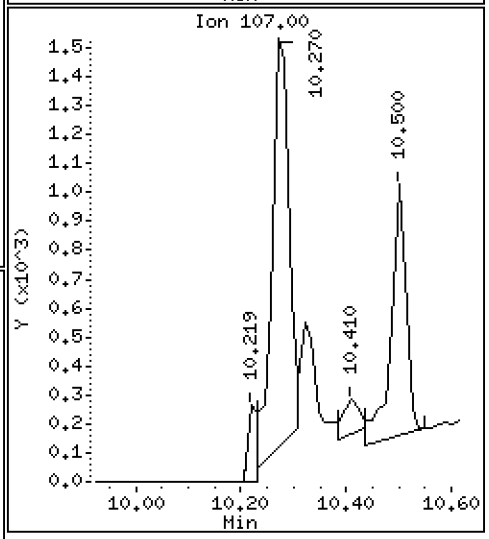
15 4-Methylphenol

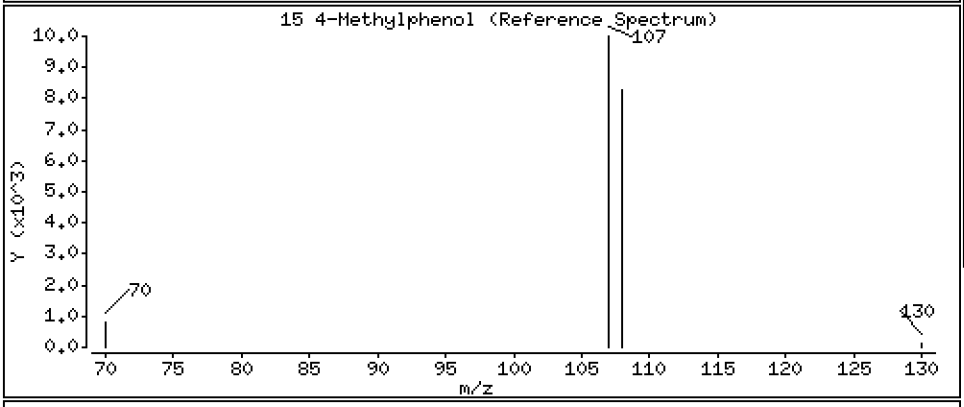
Concentration: 0.02252 ug/mL

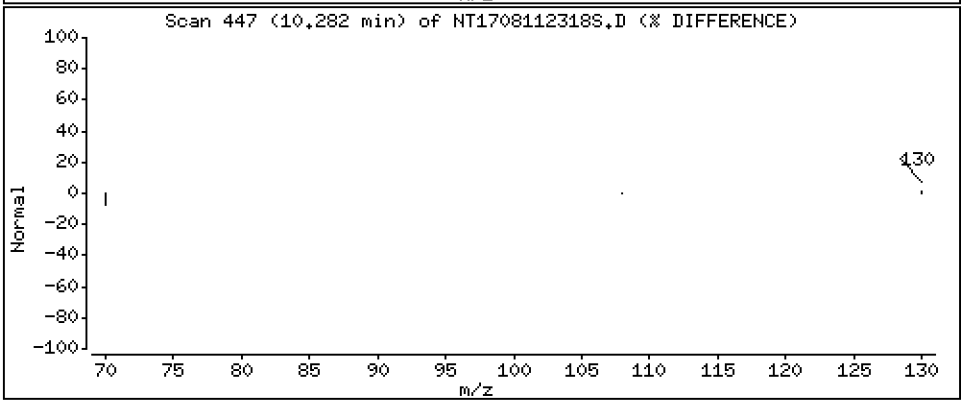












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Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

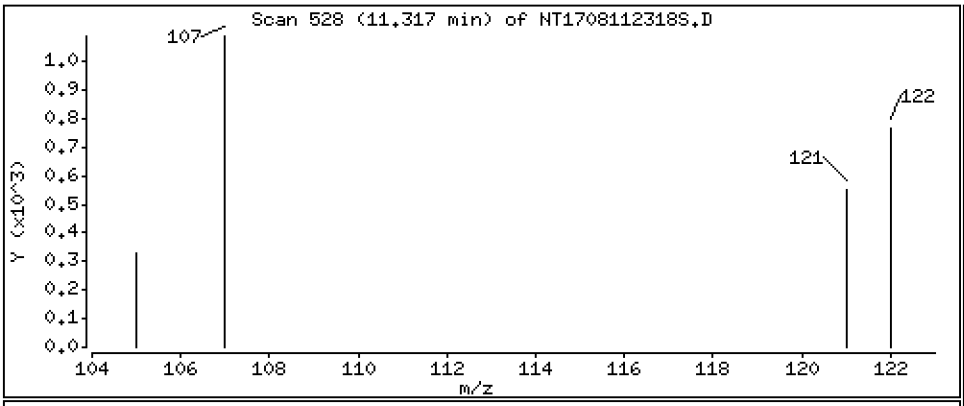
Operator: YZ

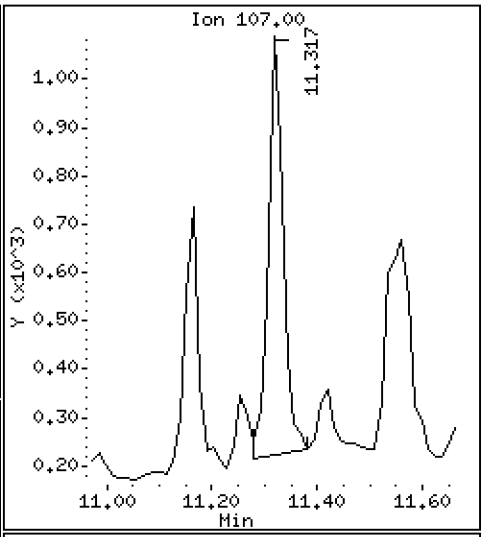
Column phase: ZB-5msi

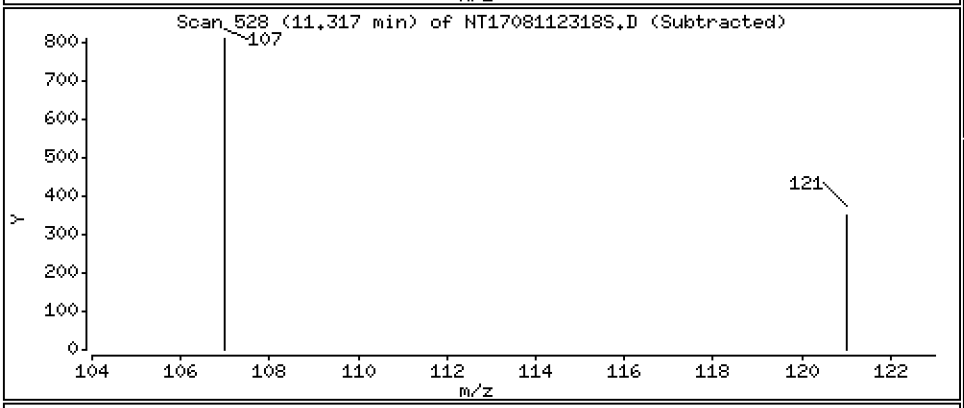
Column diameter: 0.25

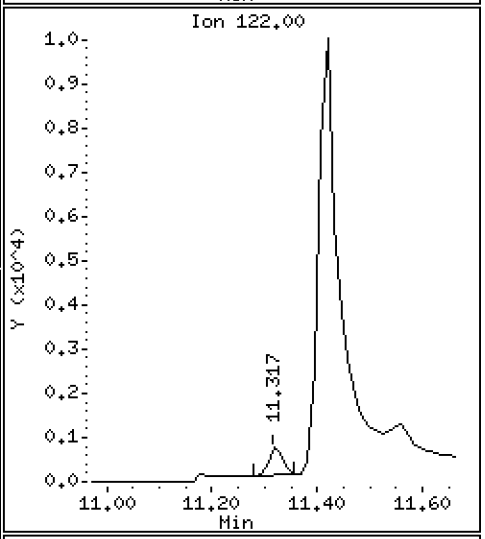
22 2,4-Dimethylphenol

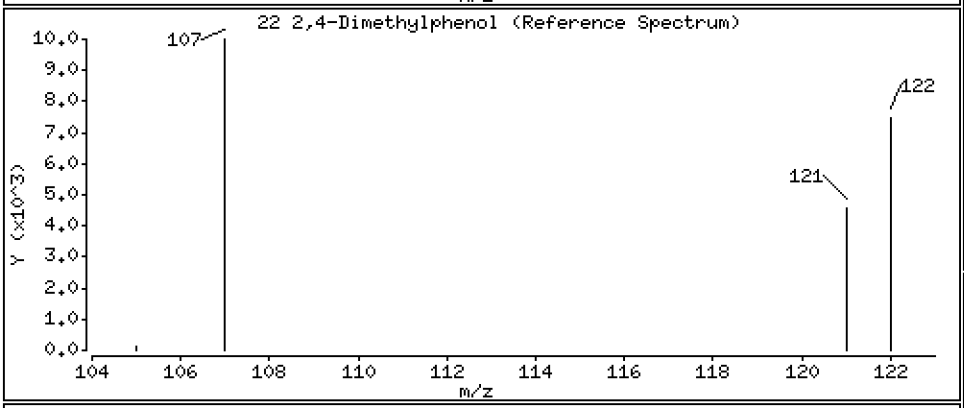
Concentration: 0.01420 ug/mL

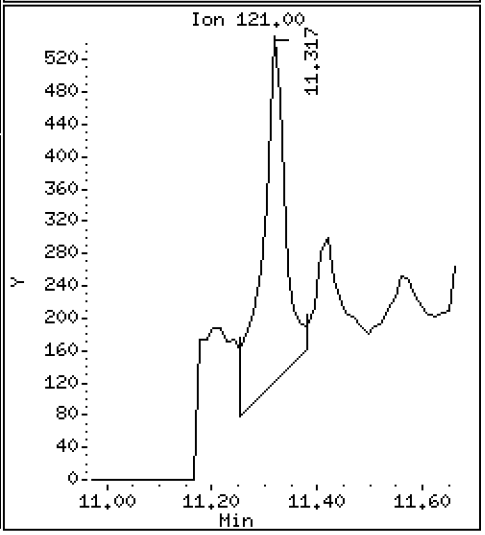


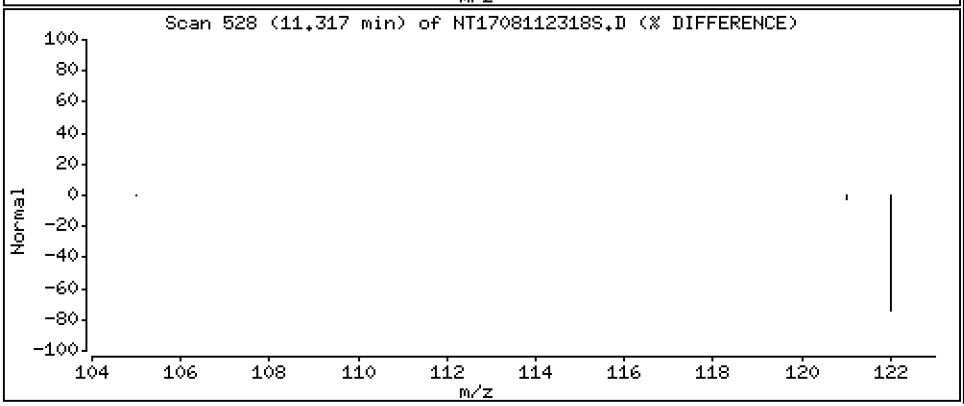












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Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

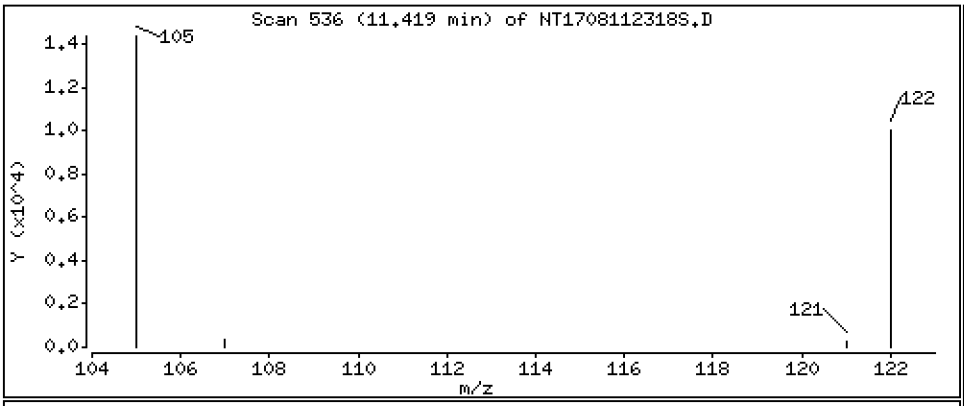
Operator: YZ

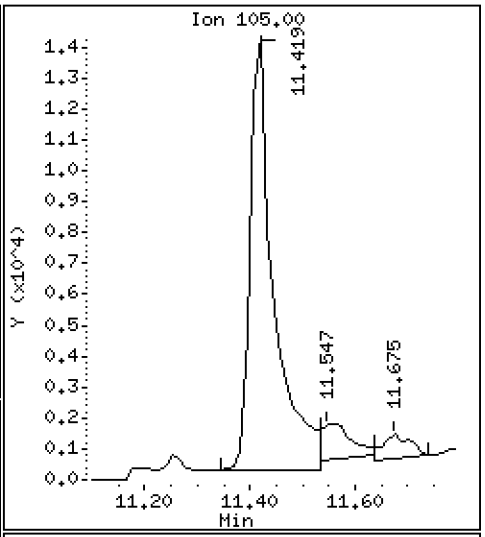
Column phase: ZB-5msi

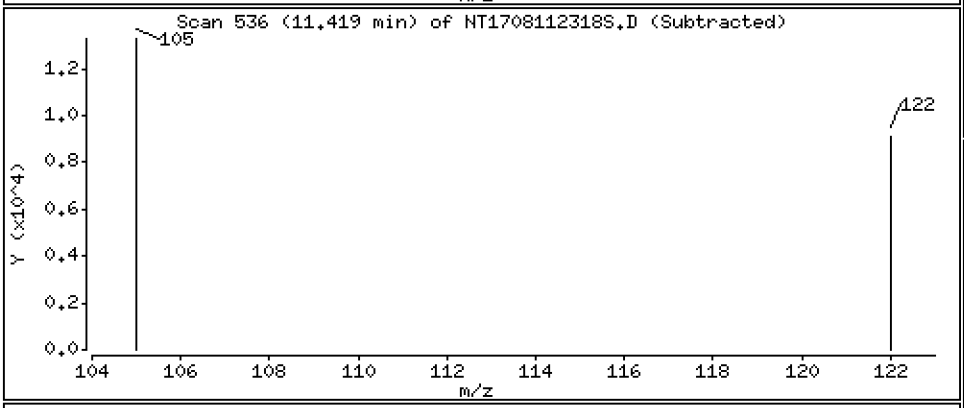
Column diameter: 0.25

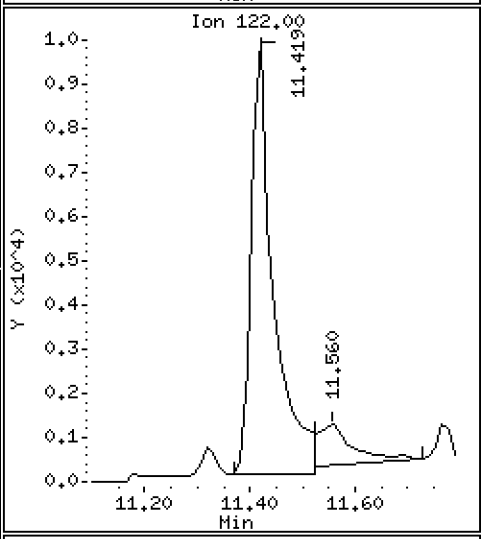
24 Benzoic acid

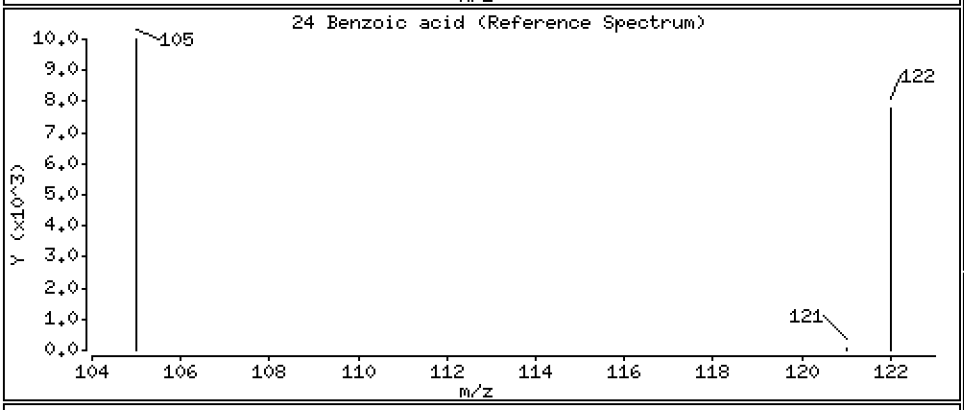
Concentration: 0.5609 ug/mL

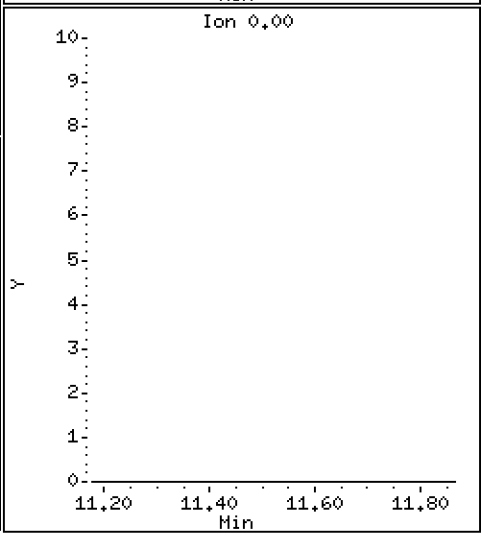


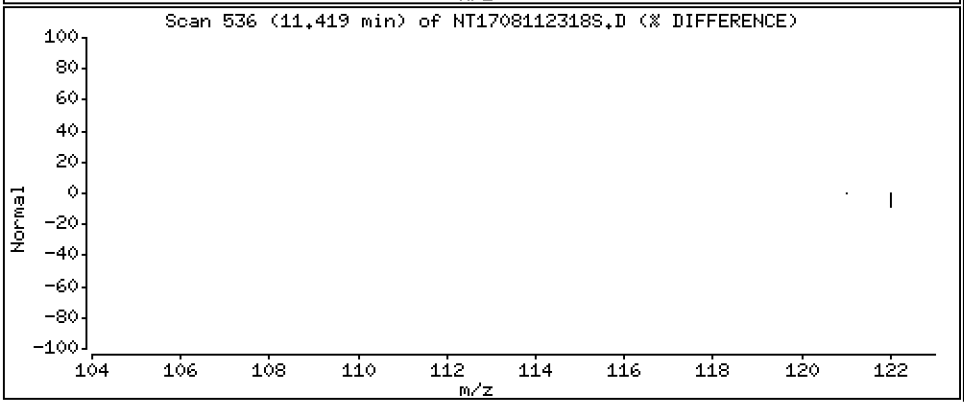












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112318S.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

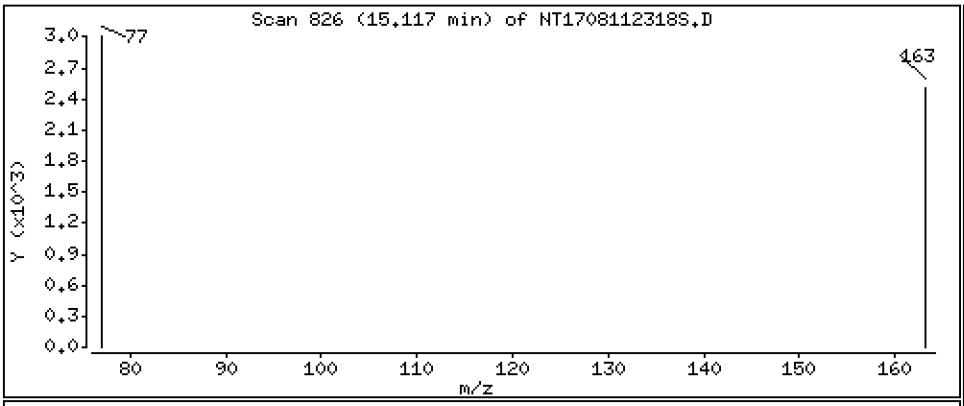
Operator: YZ

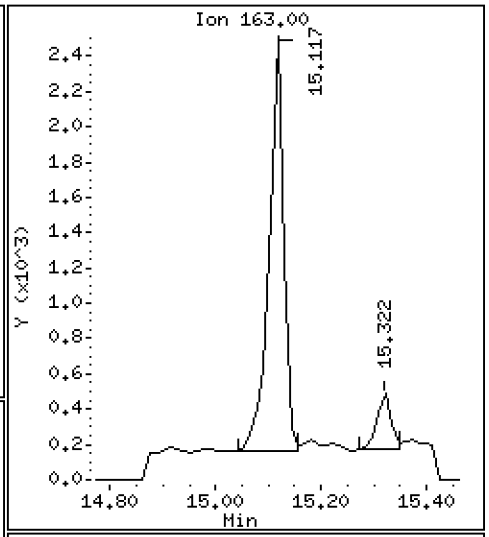
Column phase: ZB-5msi

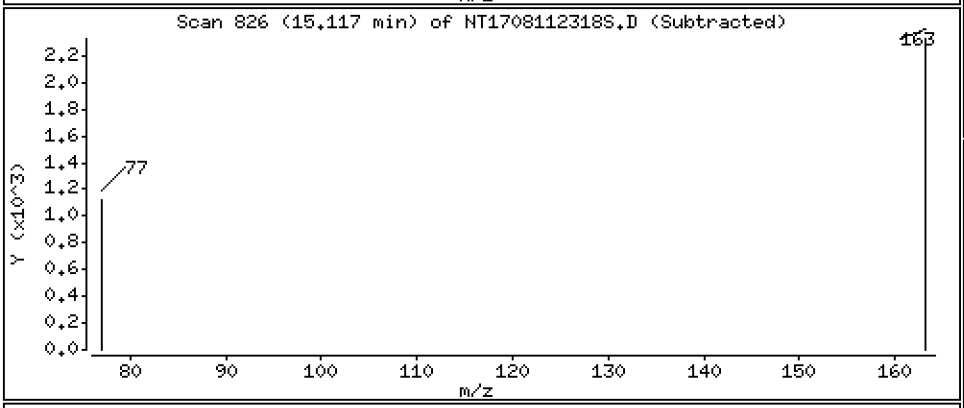
Column diameter: 0.25

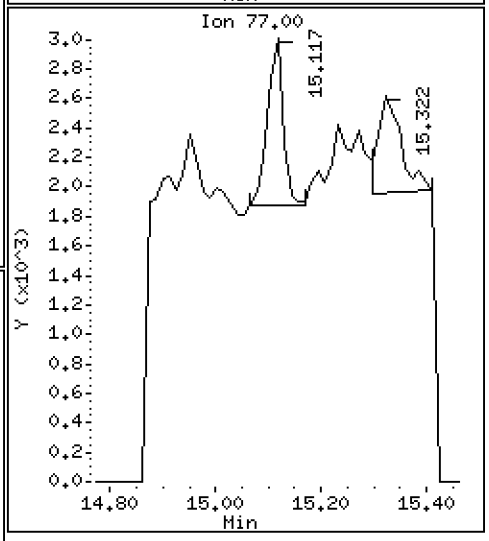
39 Dimethylphthalate

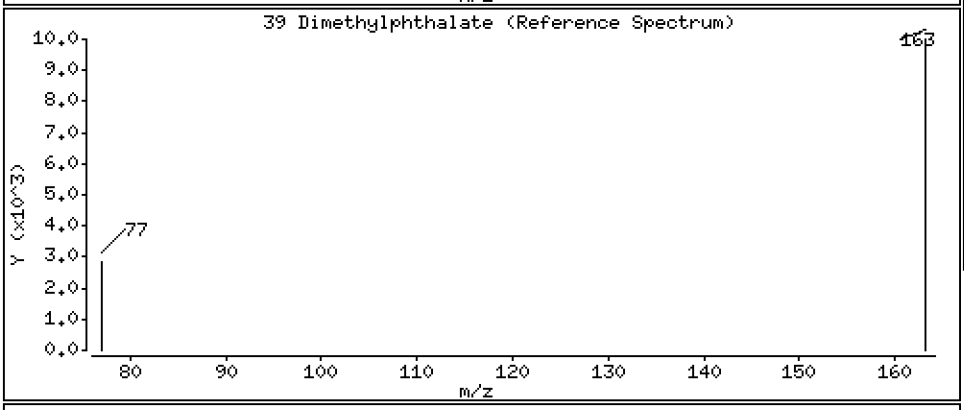
Concentration: 0.02495 ug/mL

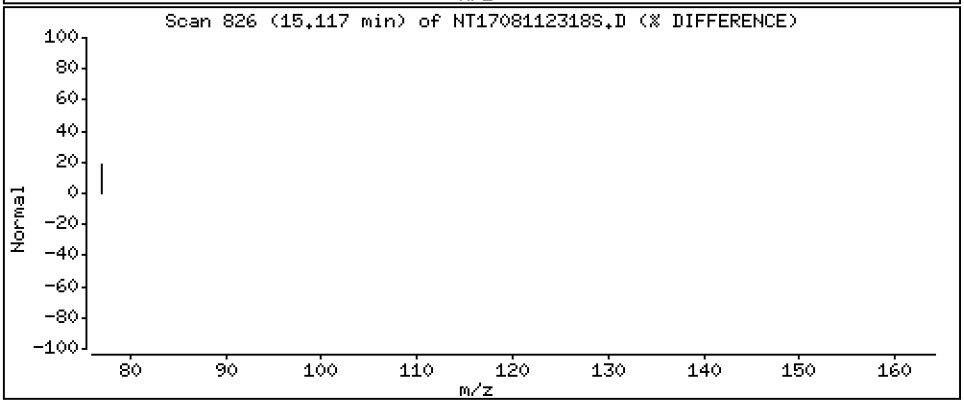












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT17081123185.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

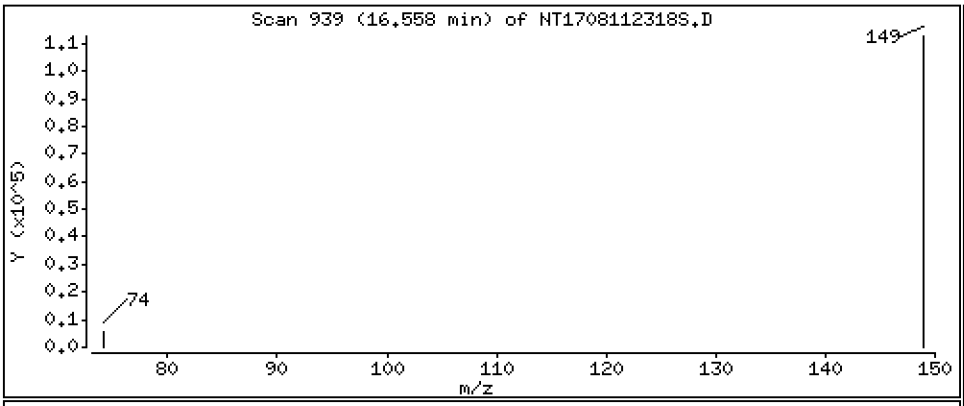
Operator: YZ

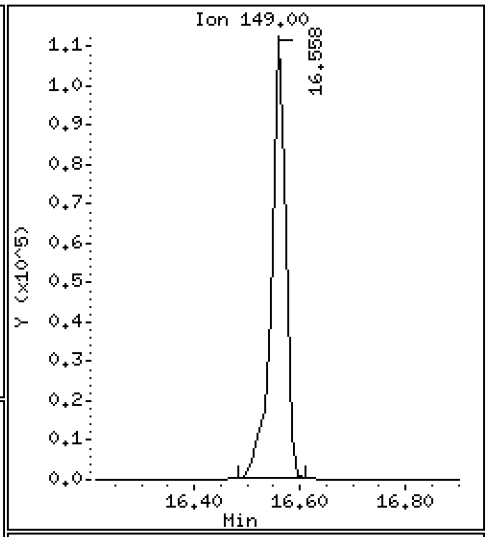
Column phase: ZB-5msi

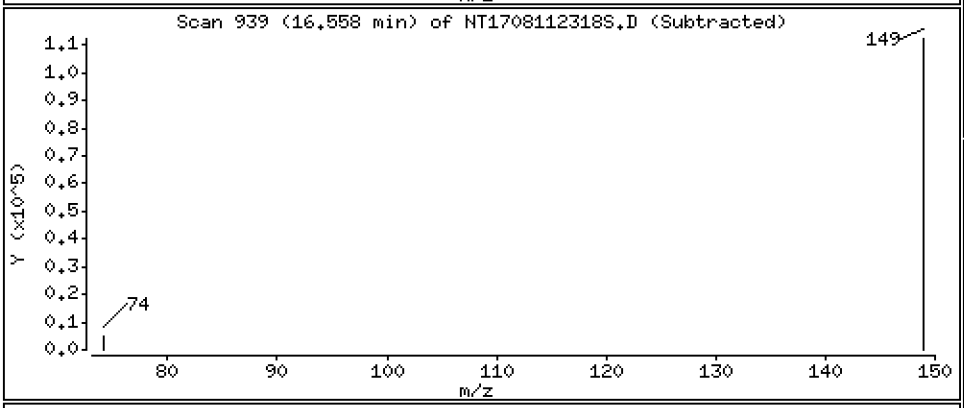
Column diameter: 0.25

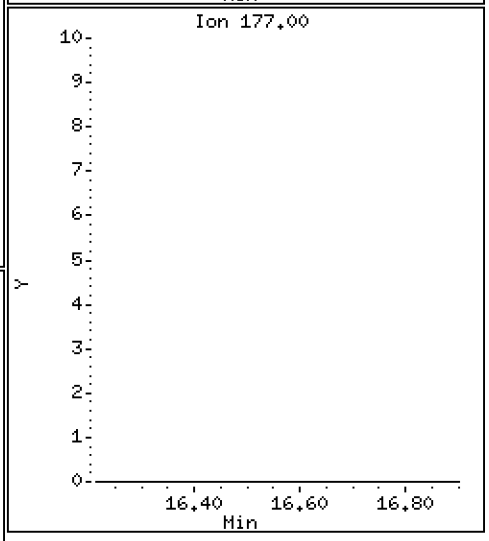
50 Diethylphthalate

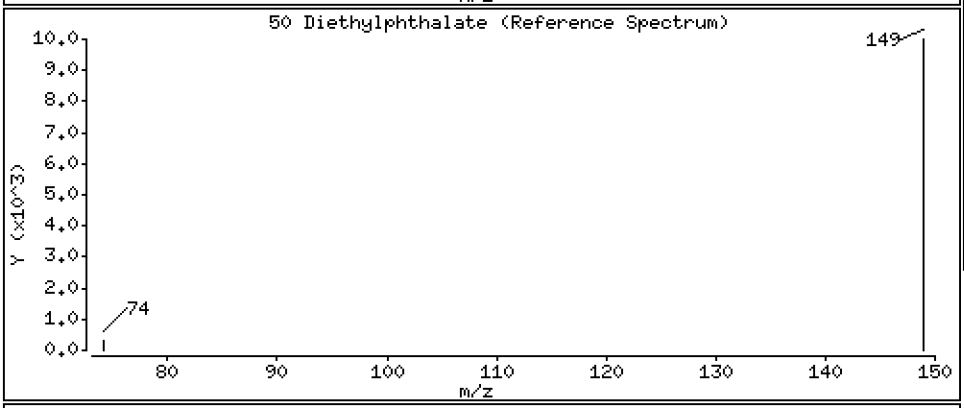
Concentration: 1.162 ug/mL

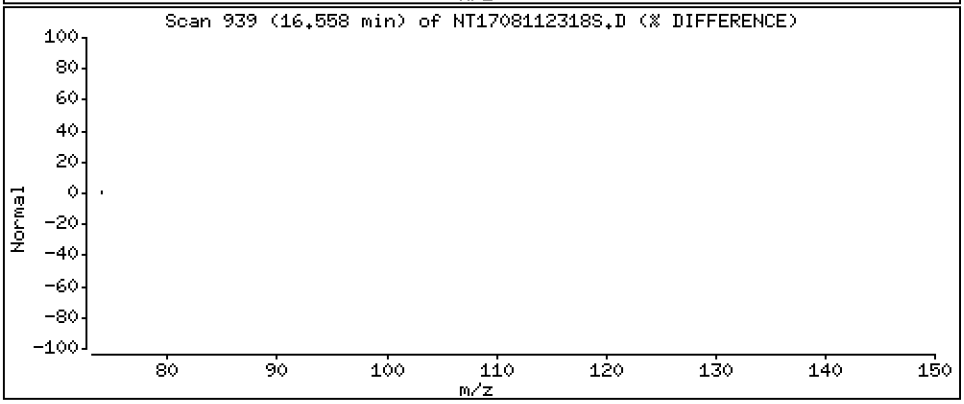












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112318S.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

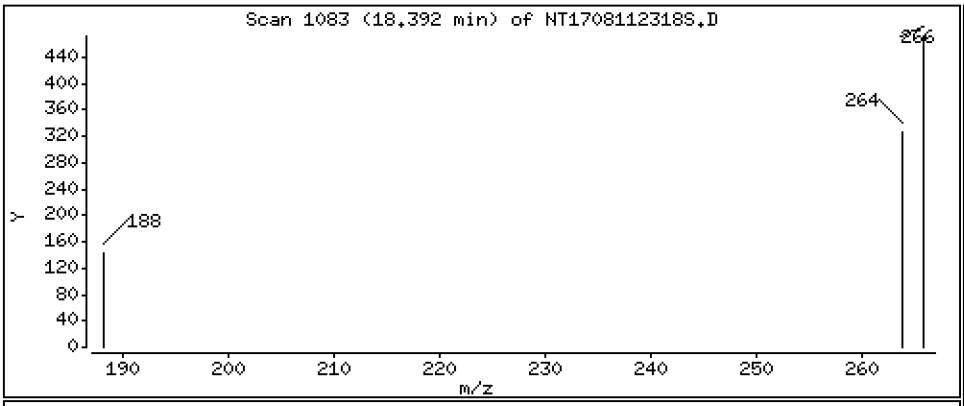
Operator: YZ

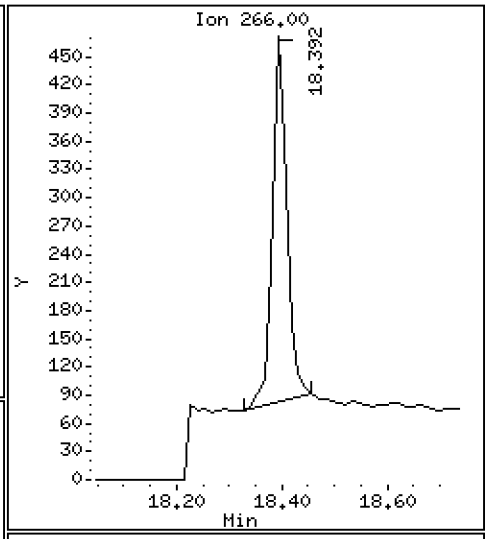
Column phase: ZB-5msi

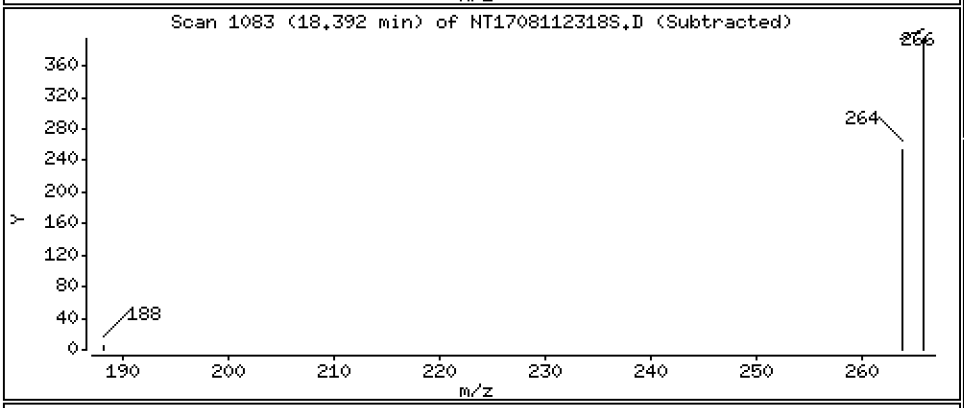
Column diameter: 0.25

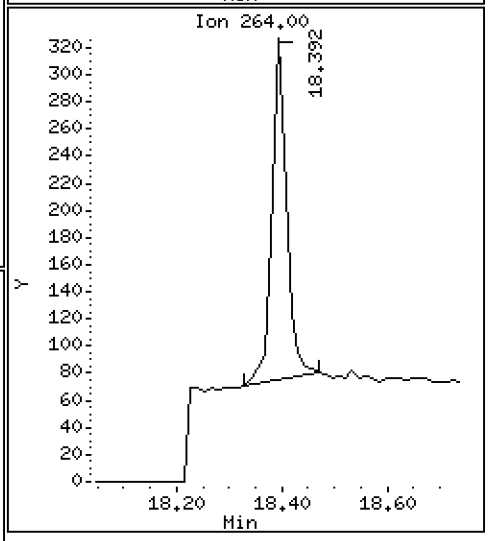
58 Pentachlorophenol

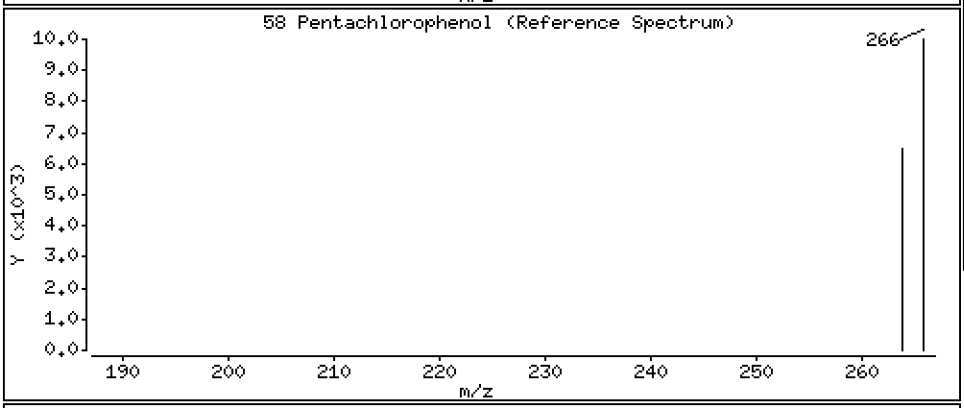
Concentration: 0.02697 ug/mL

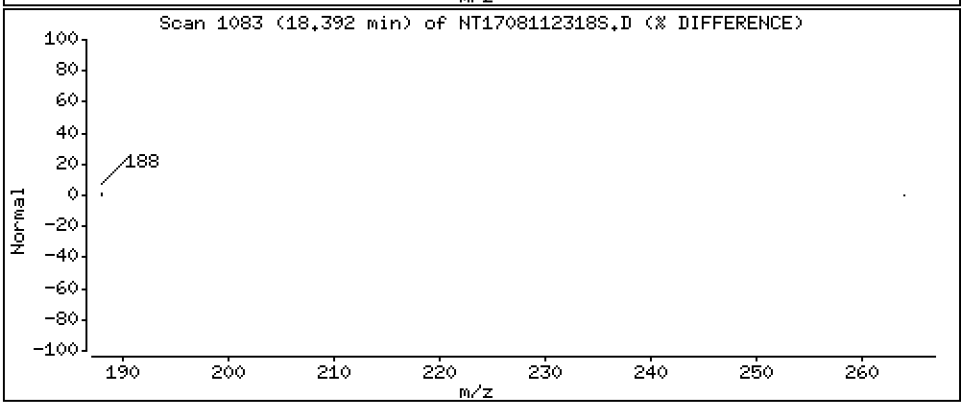












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112318S.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

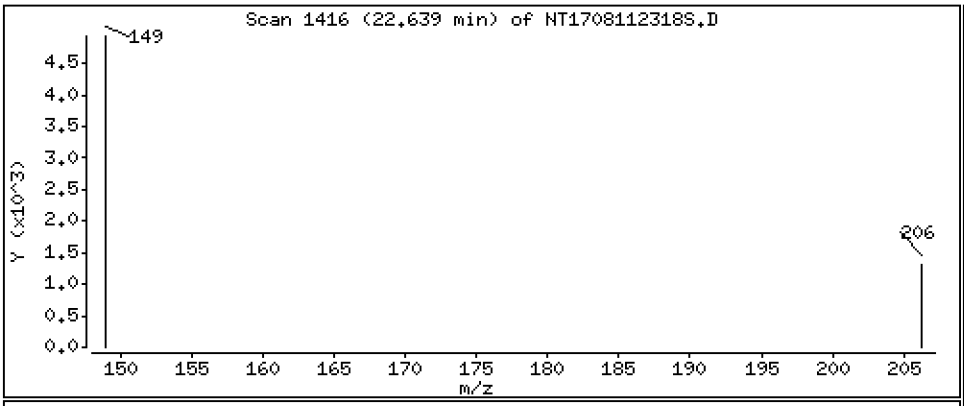
Operator: YZ

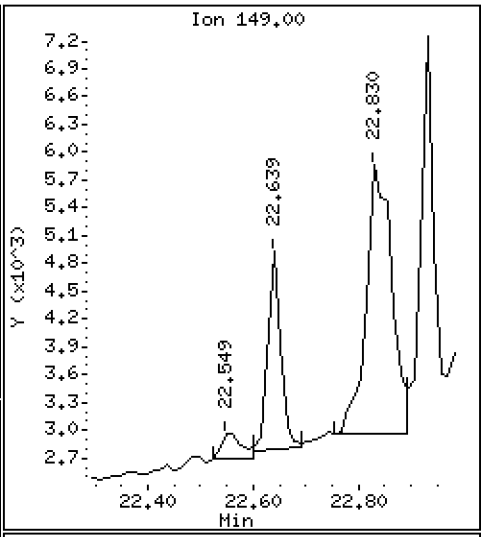
Column phase: ZB-5msi

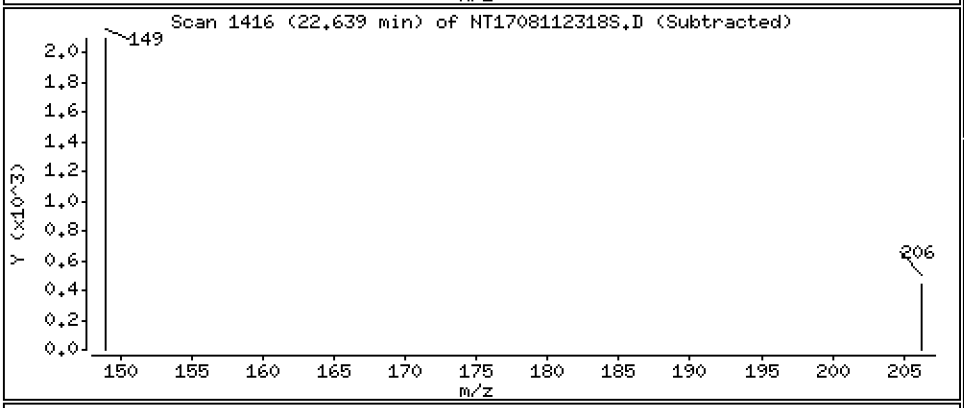
Column diameter: 0.25

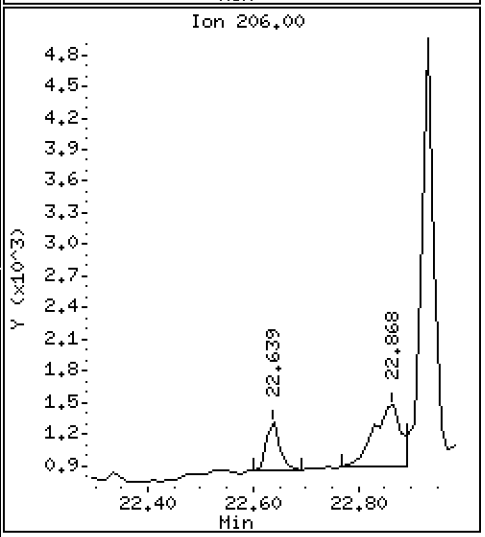
67 Butylbenzylphthalate

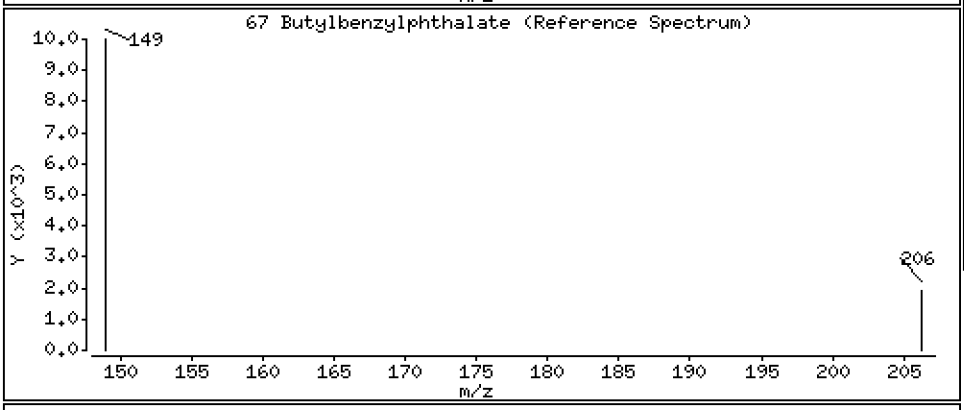
Concentration: 0.02471 ug/mL

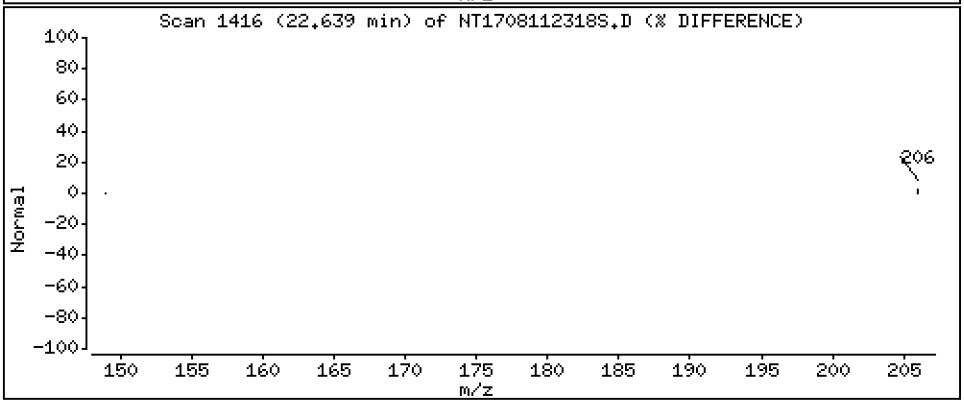












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112318S.D

Date : 11-AUG-2023 22:49

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-02

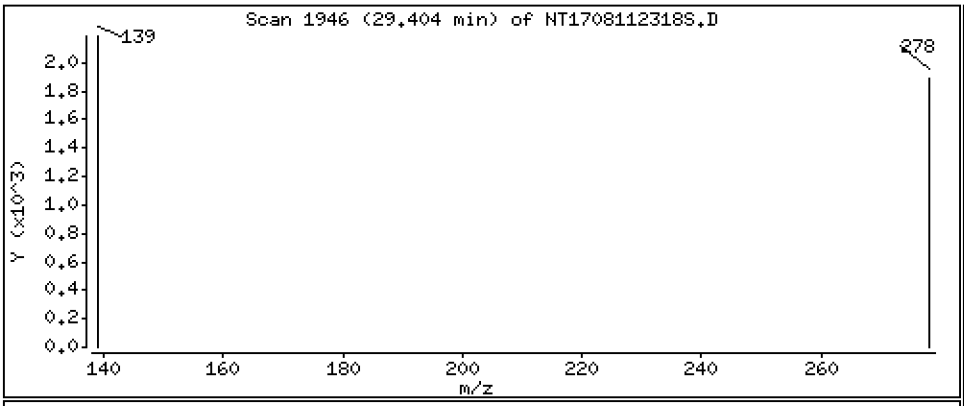
Operator: YZ

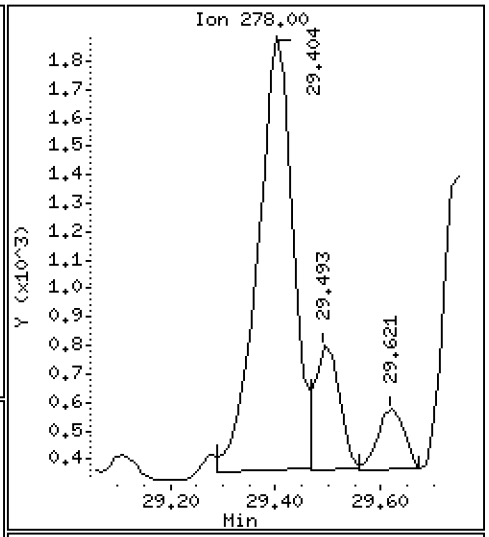
Column phase: ZB-5msi

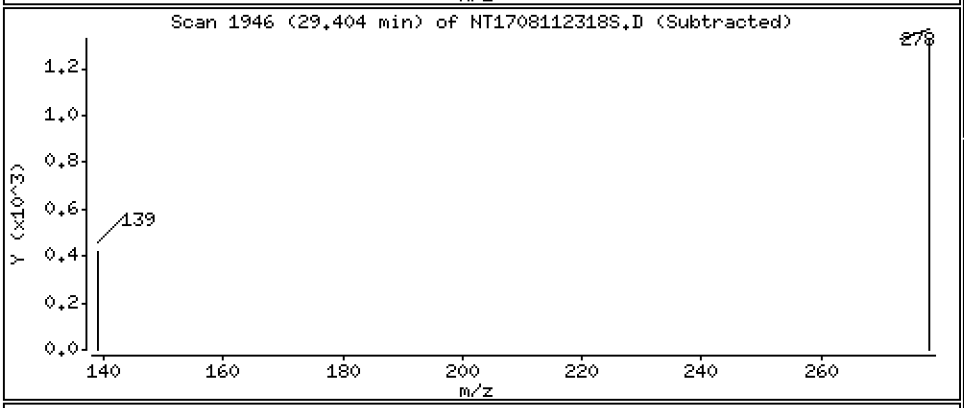
Column diameter: 0.25

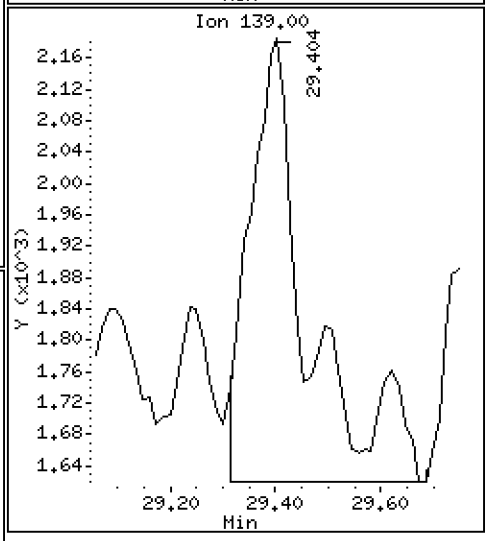
79 Dibenzo(a,h)anthracene

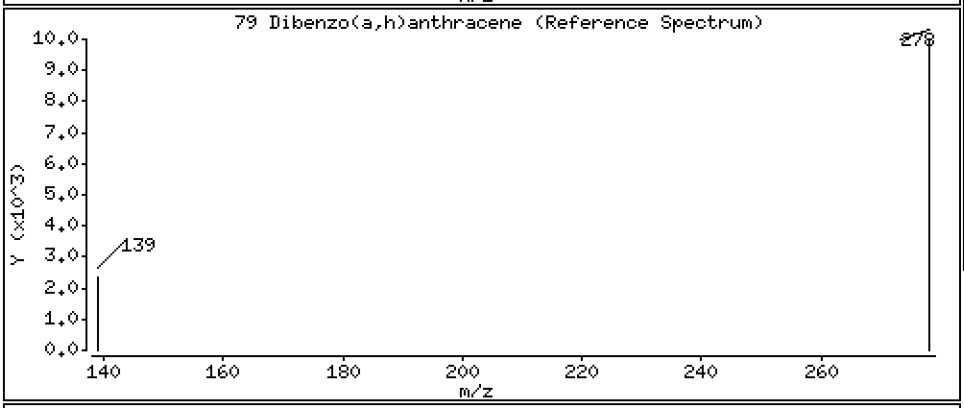
Concentration: 0.04548 ug/mL

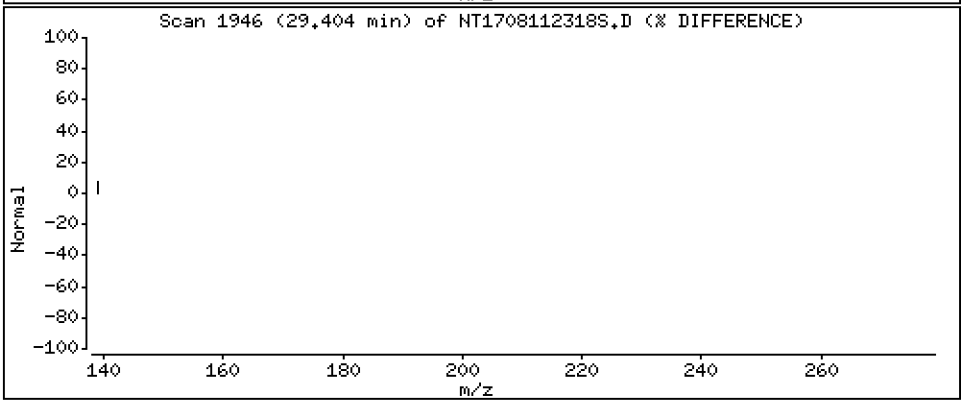












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112318S.D
Lab Smp Id: 23H0221-02
Inj Date : 11-AUG-2023 22:49
Operator : YZ Inst ID: nt17.i
Smp Info : 23H0221-02
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230811.b\SIM.b\SIMABN2.m
Meth Date : 16-Aug-2023 08:42 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	7.311	7.298	(0.766)	560350	4.65577	4.656(R)
	3 Phenol	94	8.891	8.891	(0.932)	37801	0.20603	0.2060
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	9.541	9.541	(1.000)	289859	4.00000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	79	9.796	9.796	(1.027)	6264	0.04933	0.04933
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	13 2-Methylphenol	108	10.014	10.001	(1.050)	1318	0.01185	0.01185
	15 4-Methylphenol	108	10.282	10.269	(1.078)	2619	0.02252	0.02252
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	11.317	11.316	(0.942)	1725	0.01420	0.01420(M)
	24 Benzoic acid	105	11.419	11.444	(0.950)	44602	0.56088	0.5609
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	12.018	12.018	(1.000)	1210872	4.00000	
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	39 Dimethylphthalate	163	15.117	15.117	(0.967)	4374	0.02495	0.02495
*	42 Acenaphthene-d10	162	15.627	15.627	(1.000)	539377	4.00000	
	50 Diethylphthalate	149	16.557	16.557	(1.060)	211876	1.16235	1.162
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	18.391	18.391	(0.985)	737	0.02697	0.02697(M)
*	59 Phenanthrene-d10	188	18.672	18.659	(1.000)	854812	4.00000	
$	66 Terphenyl-d14	244	21.745	21.745	(0.920)	323829	4.20338	4.203(R)
	67 Butylbenzylphthalate	149	22.638	22.638	(0.957)	3651	0.02471	0.02471
*	69 Chrysene-d12	240	23.646	23.646	(1.000)	556720	4.00000	
*	77 Perylene-d12	264	26.452	26.452	(1.000)	544244	4.00000	
	79 Dibenzo(a,h)anthracene	278	29.403	29.403	(1.112)	7311	0.04548	0.04548
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708112318S.D
Lab Smp Id: 23H0221-02
Analysis Type: SV
Quant Type: ISTD
Operator: YZ
Method File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\SIMABN2.m
Misc Info:

Calibration Date: 11-AUG-2023
Calibration Time: 13:27
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	295324	147662	590648	289859	-1.85
27 Naphthalene-d8	1172715	586358	2345430	1210872	3.25
42 Acenaphthene-d10	521273	260637	1042546	539377	3.47
59 Phenanthrene-d10	837823	418912	1675646	854812	2.03
69 Chrysene-d12	615517	307759	1231034	556720	-9.55
77 Perylene-d12	594634	297317	1189268	544244	-8.47

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.54	9.04	10.04	9.54	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.67	0.07
69 Chrysene-d12	23.65	23.15	24.15	23.65	0.00
77 Perylene-d12	26.45	25.95	26.95	26.45	0.00

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

REVIEW SUMMARY FOR FILE - NT1708112318S.D

Lab ID: 23H0221-02
nt17.i, 20230811.b\SIM.b\SIMABN2.m,   11-AUG-2023 22:49

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND

NONE

RRT check based on Ccal File: SIM.b/NT1708112303S.D

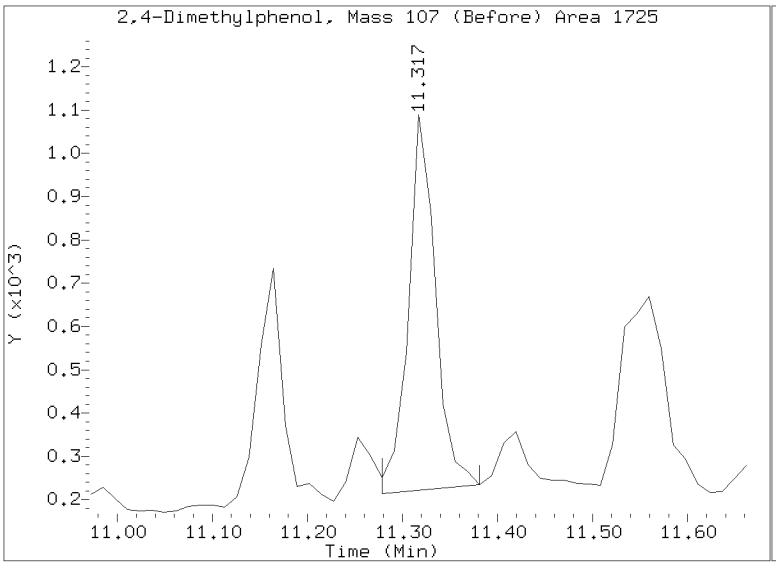
On Column LOD for nt17.i, SIM.b\SIMABN2.m, PSDDA.sub = 0.0000

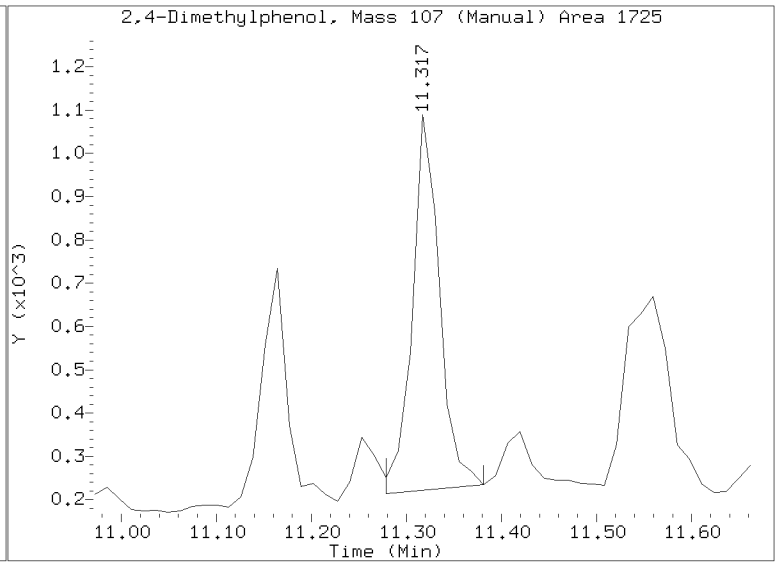
Exception: 1,2,4-Trichlorobenzene 0.0010

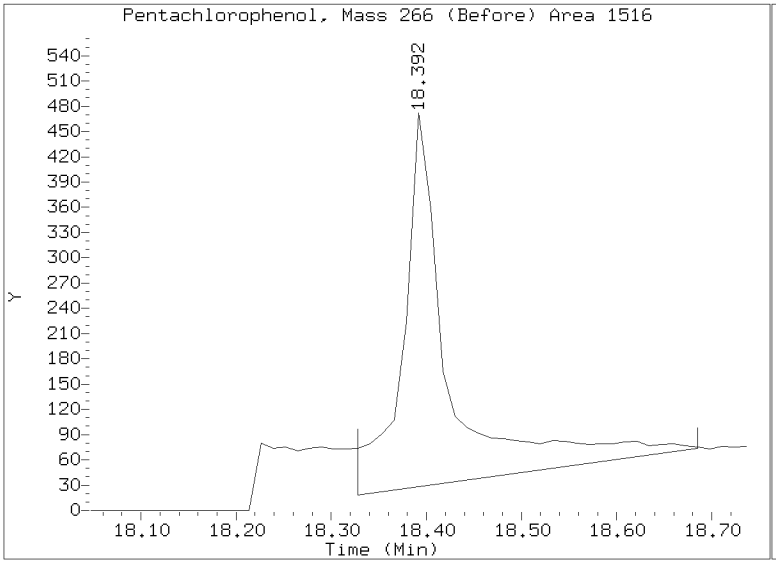
* Only compounds listed in the work order have been verified by the analyst *

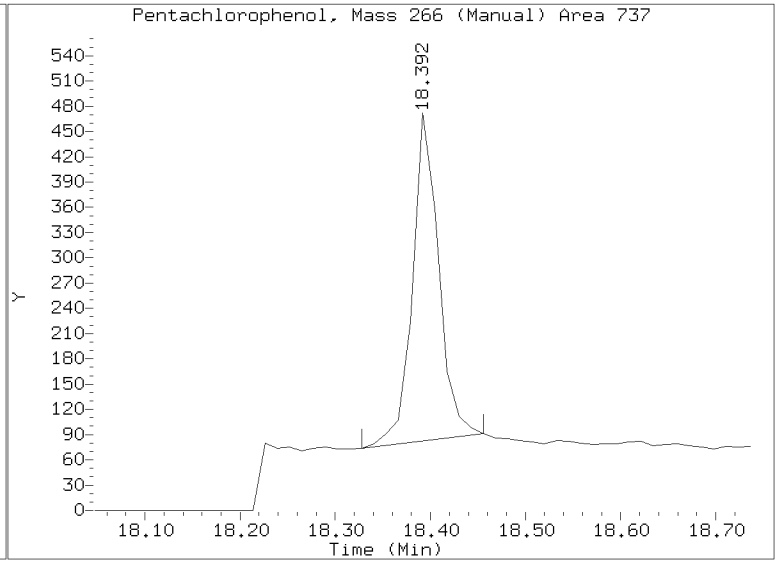
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230811.b/SIM.b/NT1708112318S.D
Injection Date: 11-AUG-2023 22:49
Lab ID:23H0221-02 Client ID:
Report Date: 08/16/2023 08:43









Analytical Resources, LLC
Analytical Chemists and Consultants

LDW23-SS1071

Form I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E-SIM

SIM SVOC Organics (Dual scan list)

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC5 MR Phase 1				
Matrix:	Sediment	Laboratory ID:	23H0221-03 B	SDG:	23H0221
Sampled:	04/11/23 14:00	Prepared:	08/14/23 09:29	File ID:	NT1708172312S.D
% Solids:	72.96	Preparation:	EPA 3546 (Microwave)	Analyzed:	08/18/23 02:27
Batch:	BLH0329	Sequence:	SLH0293	Initial/Final:	13.73 g Wet / 1 mL
Instrument:	NT17	Column:	ZB-5MS	Calibration:	GH00045
Cleanups:	GPC				

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
106-46-7	1,4-Dichlorobenzene	1	5.0	U	0.6	5.0
95-50-1	1,2-Dichlorobenzene	1	5.0	U	0.7	5.0
100-51-6	Benzyl Alcohol	1	27.5		2.5	20.0
65-85-0	Benzoic acid	1	128		13.4	99.8
105-67-9	2,4-Dimethylphenol	1	20.0	U	2.2	20.0
120-82-1	1,2,4-Trichlorobenzene	1	5.0	U	2.7	5.0
86-30-6	N-Nitrosodiphenylamine	1	3.9	J	1.3	5.0
87-86-5	Pentachlorophenol	1	2.3	J	2.1	20.0

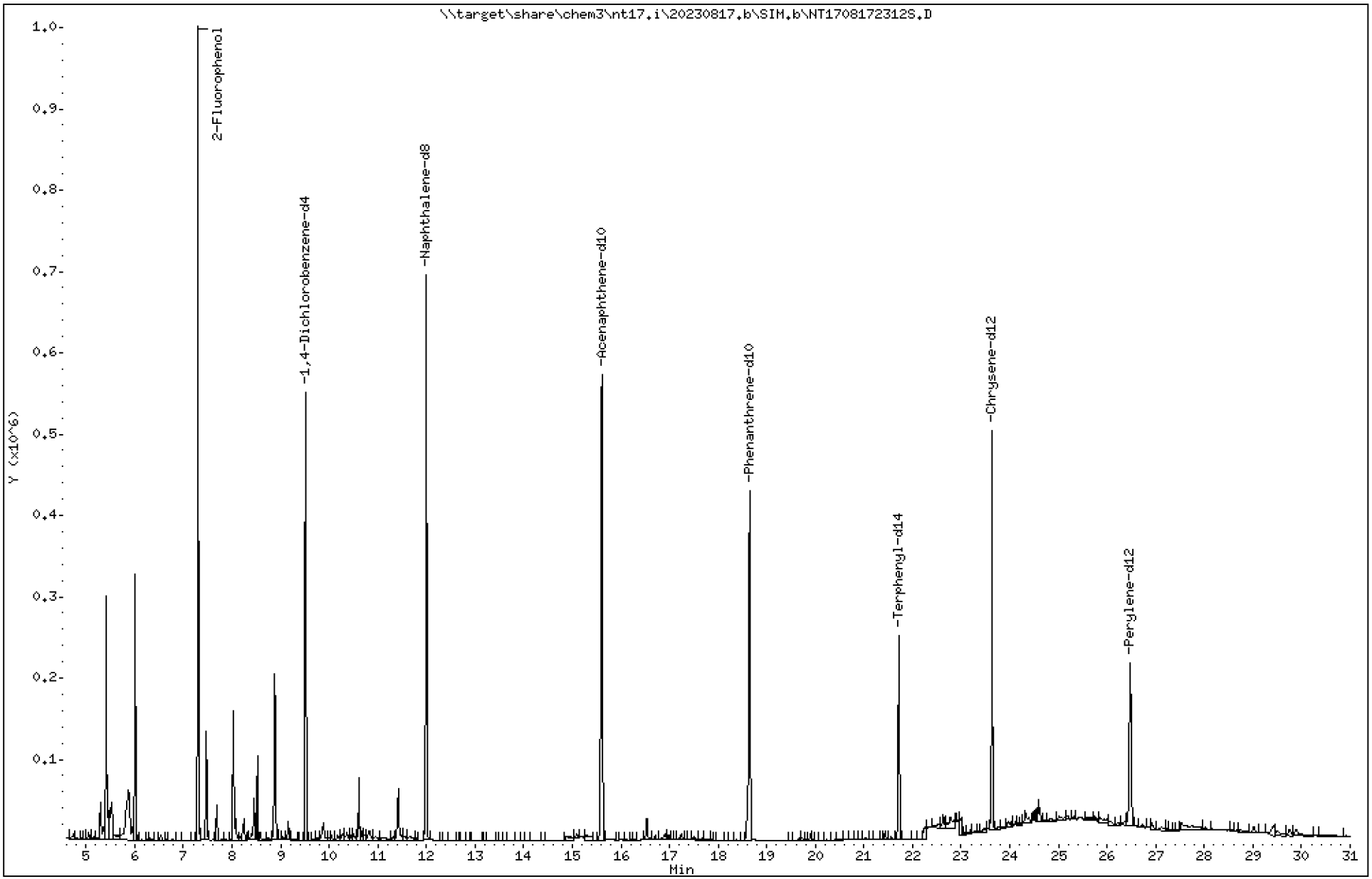
SURROGATES	ADDED: (ug/kg dry)	FOUND: (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorophenol	748.70	564	75.3	27 - 120	
p-Terphenyl-d14	499.13	421	84.4	37 - 120	Q

Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT17081723125.D
Date : 18-AUG-2023 02:27
Client ID:
Sample Info: 23H0221-03

Instrument: nt17.i

Operator: JGR
Column diameter: 0.25

Column phase: ZB-5msi



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Date : 18-AUG-2023 02:27

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-03

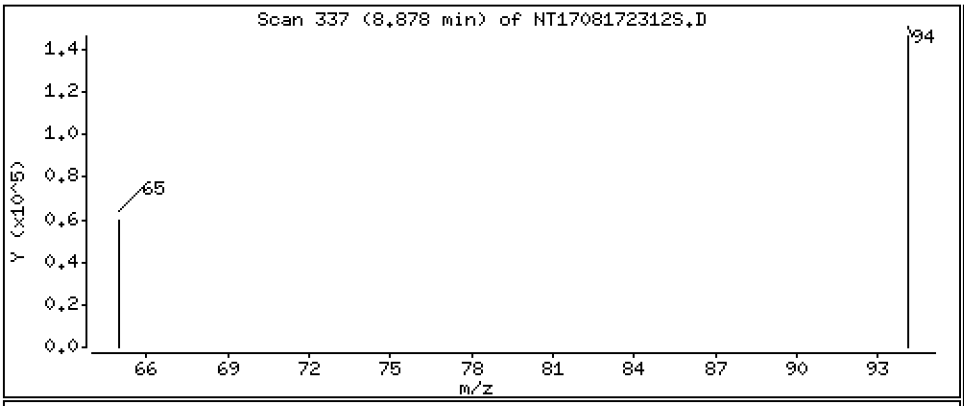
Operator: JGR

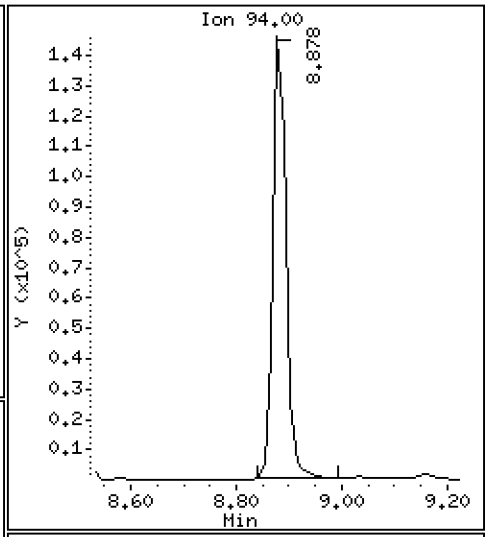
Column phase: ZB-5msi

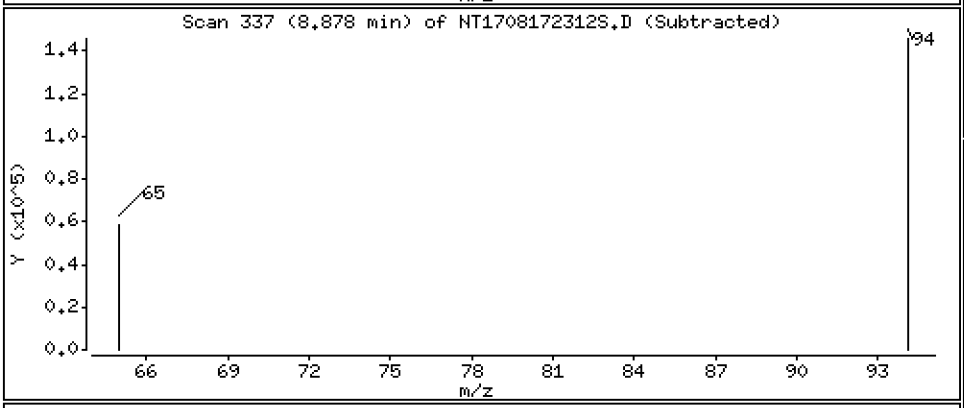
Column diameter: 0.25

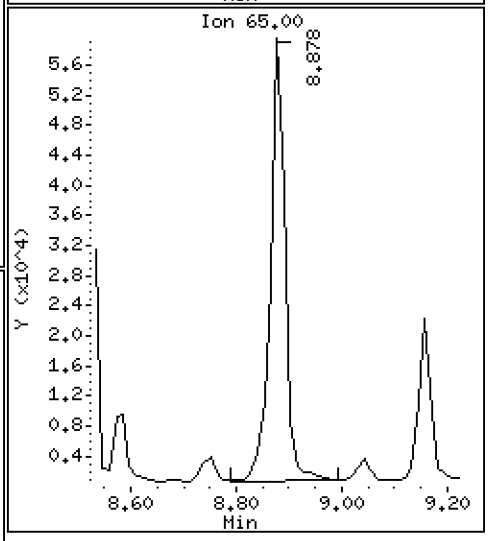
3 Phenol

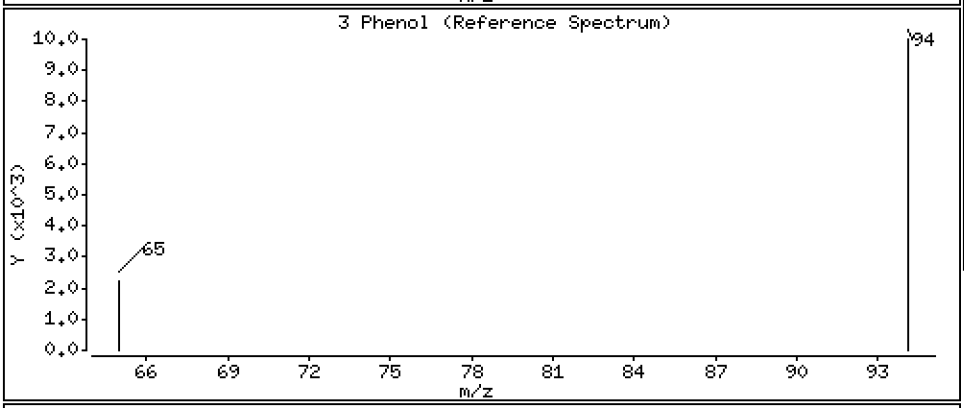
Concentration: 1.228 ug/mL

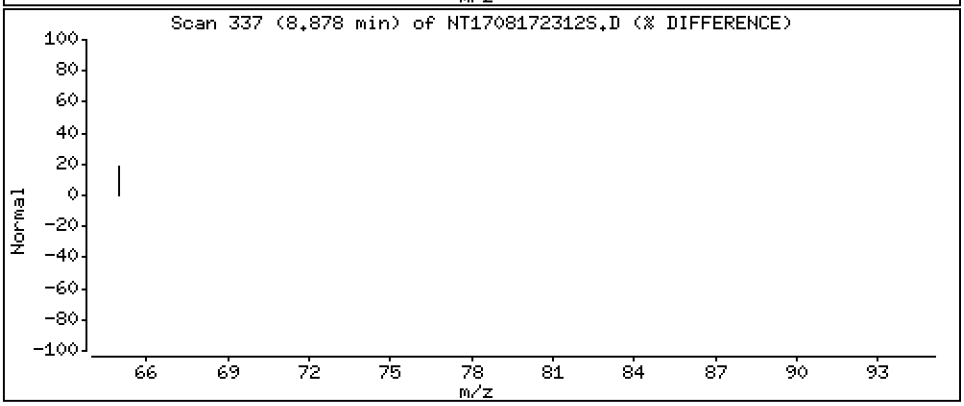












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT17081723125.D

Date : 18-AUG-2023 02:27

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-03

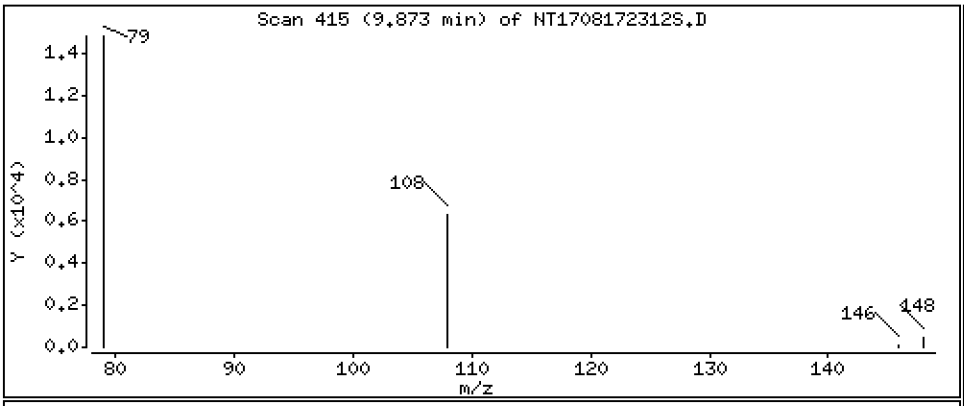
Operator: JGR

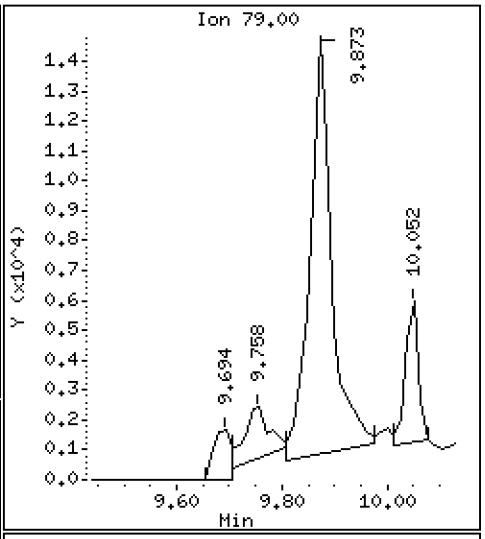
Column phase: ZB-5msi

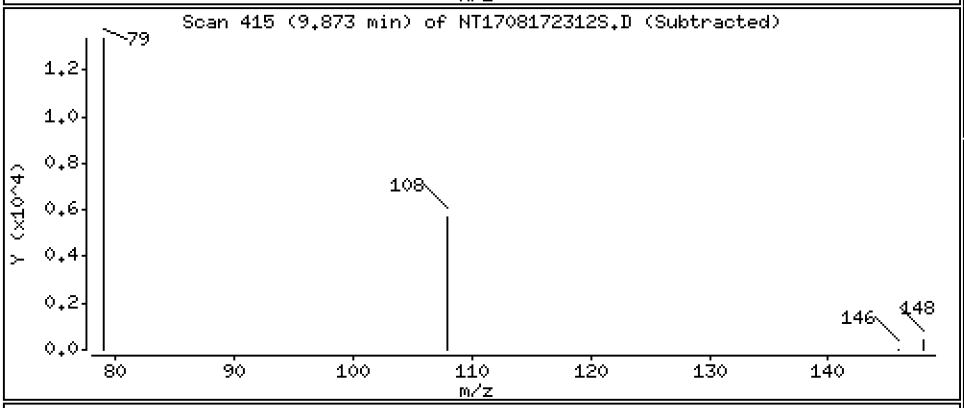
Column diameter: 0.25

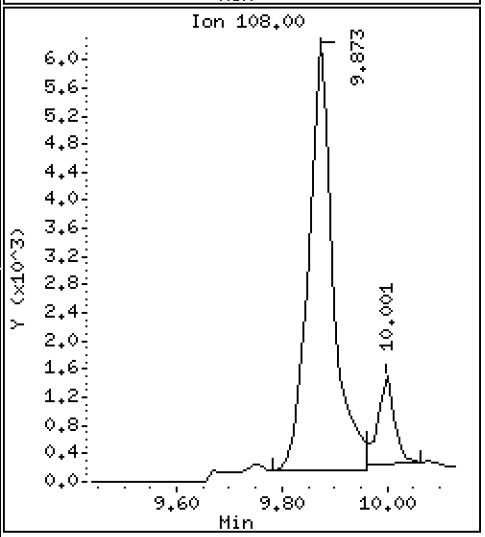
11 Benzyl alcohol

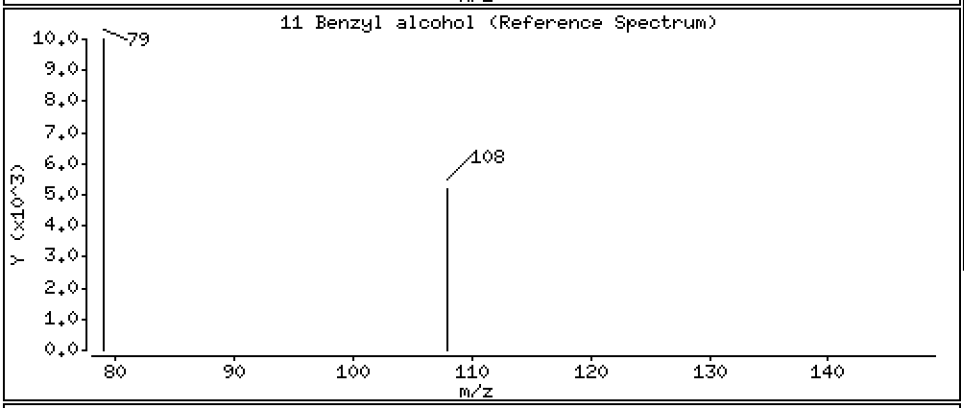
Concentration: 0.2755 ug/mL

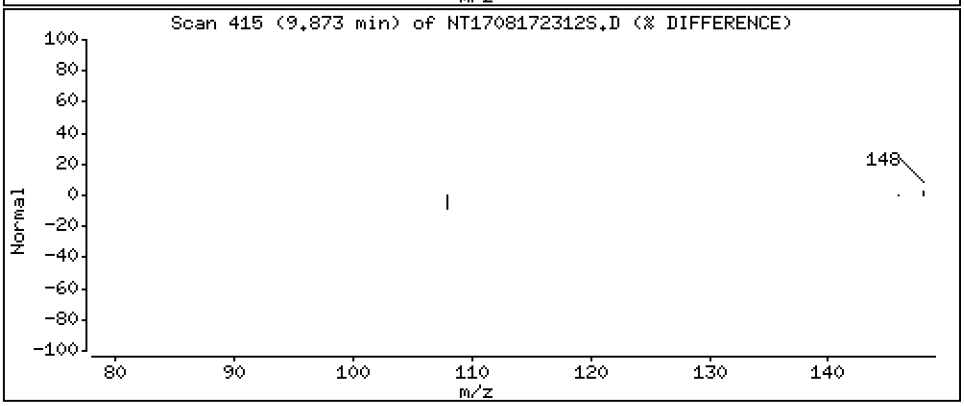












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Date : 18-AUG-2023 02:27

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-03

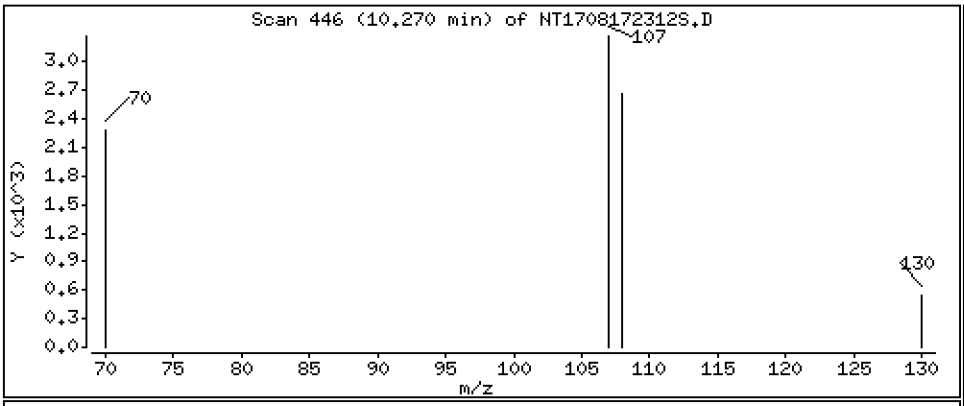
Operator: JGR

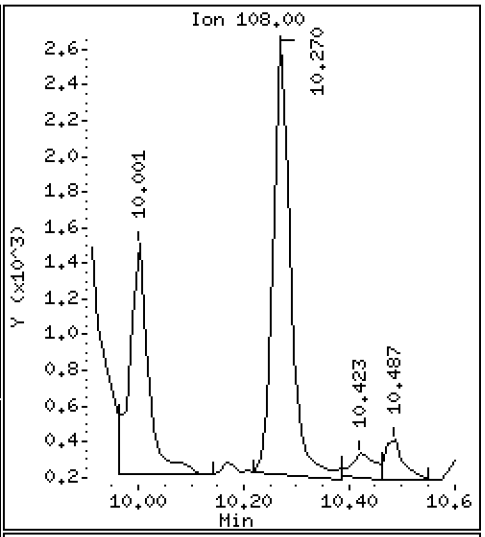
Column phase: ZB-5msi

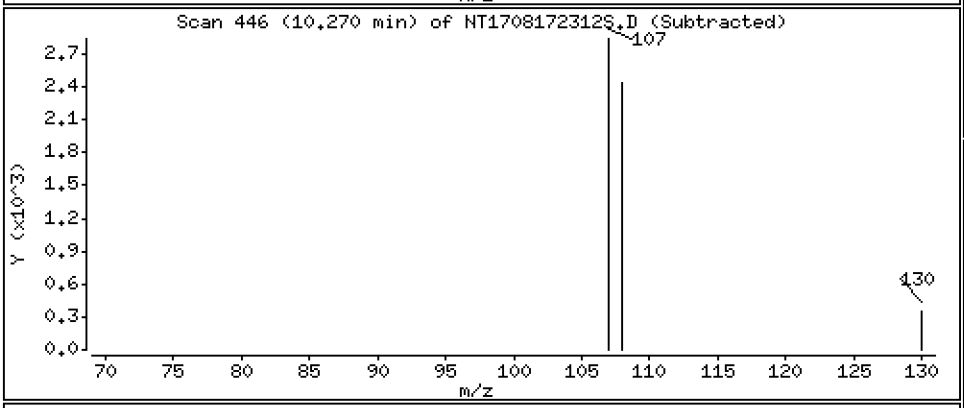
Column diameter: 0.25

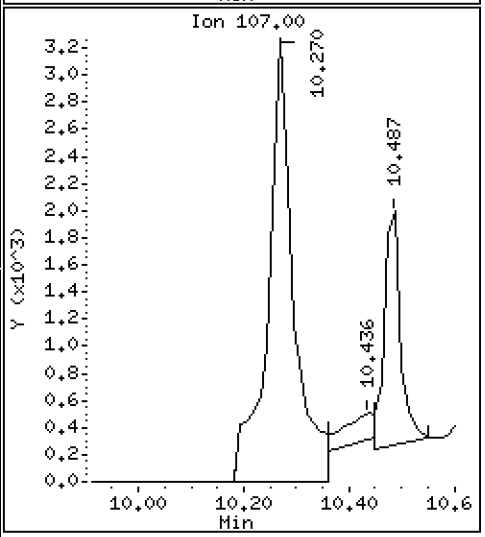
15 4-Methylphenol

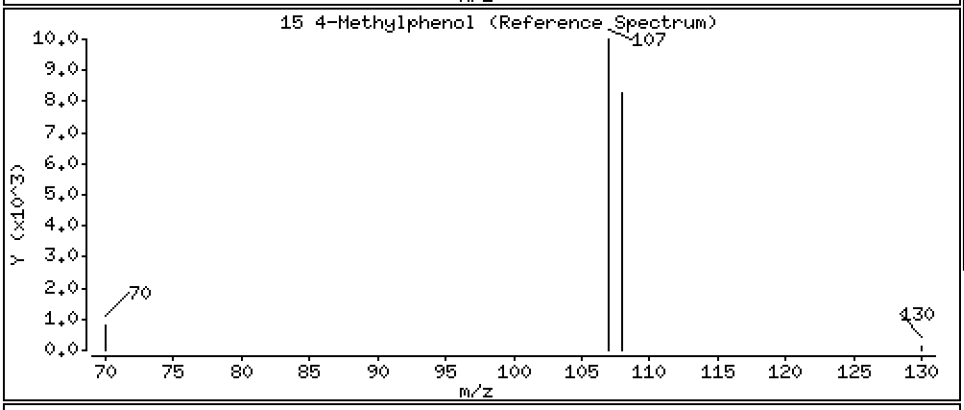
Concentration: 0.04184 ug/mL

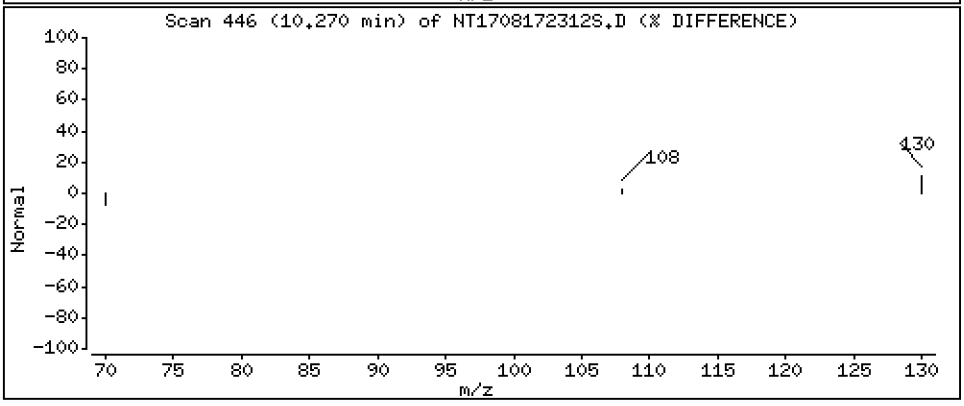












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Date : 18-AUG-2023 02:27

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-03

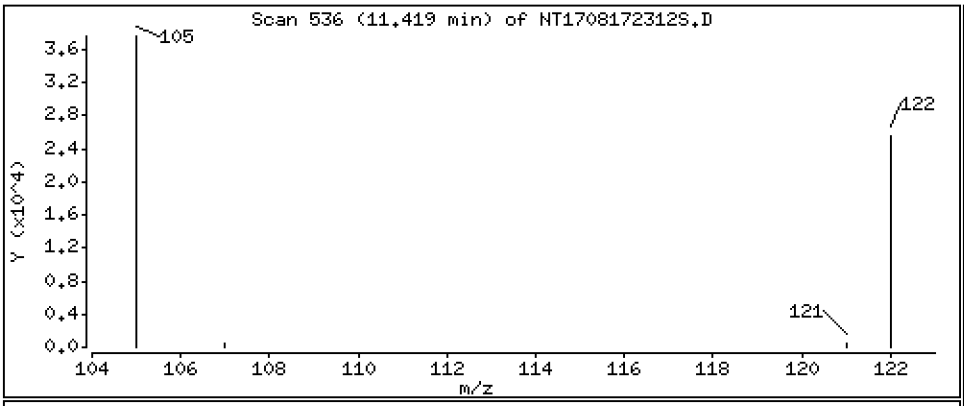
Operator: JGR

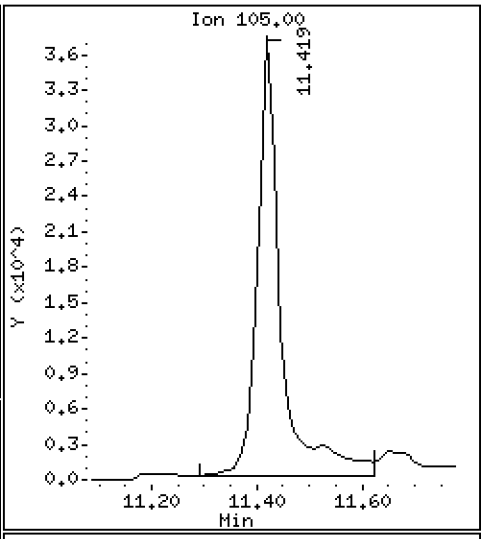
Column phase: ZB-5msi

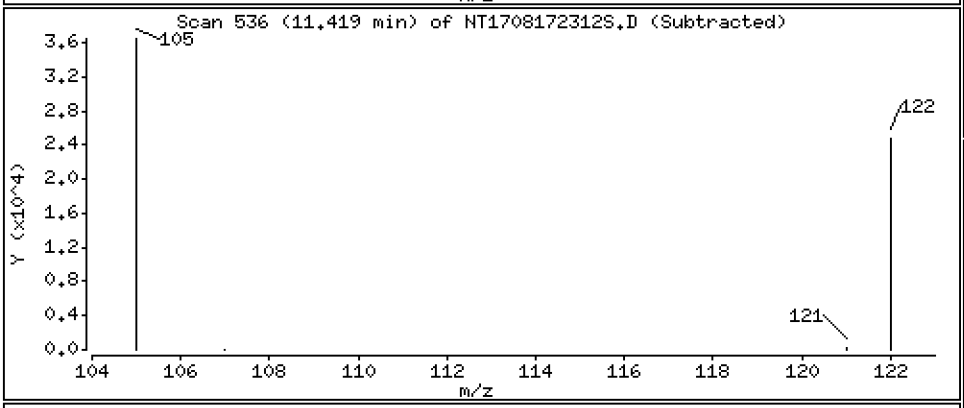
Column diameter: 0.25

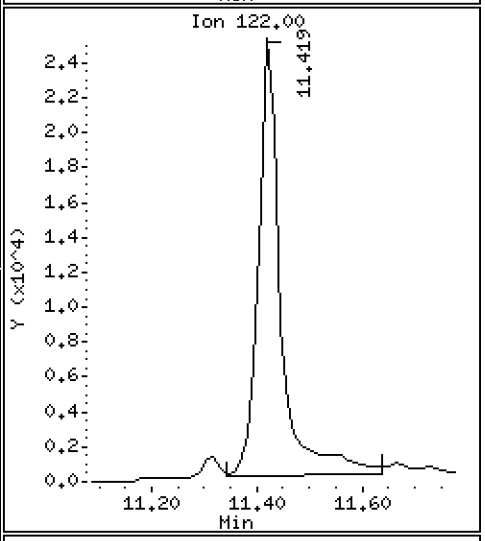
24 Benzoic acid

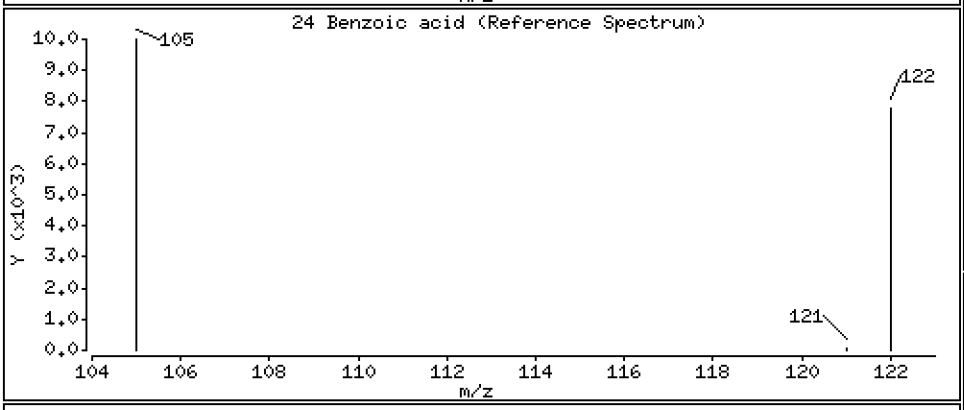
Concentration: 1.277 ug/mL

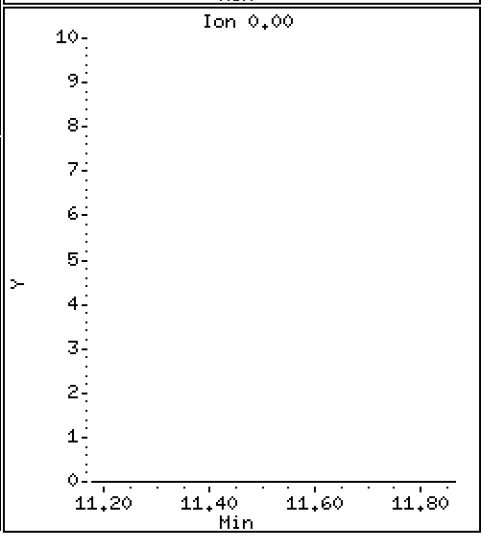


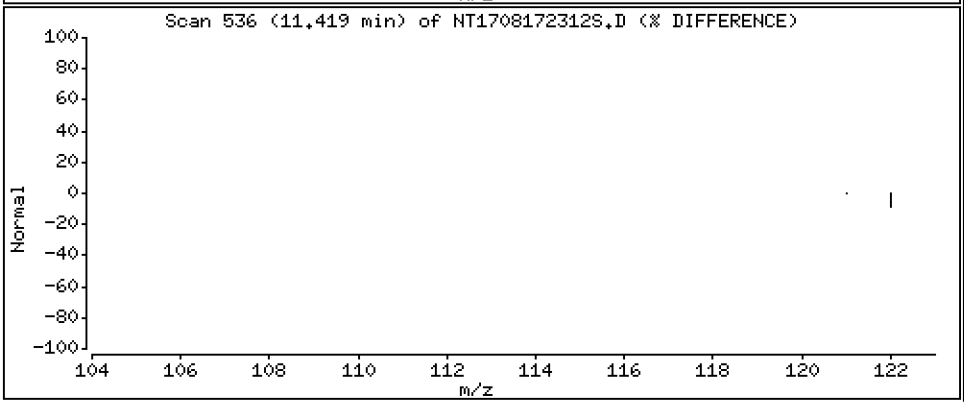












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT17081723125.D

Date : 18-AUG-2023 02:27

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-03

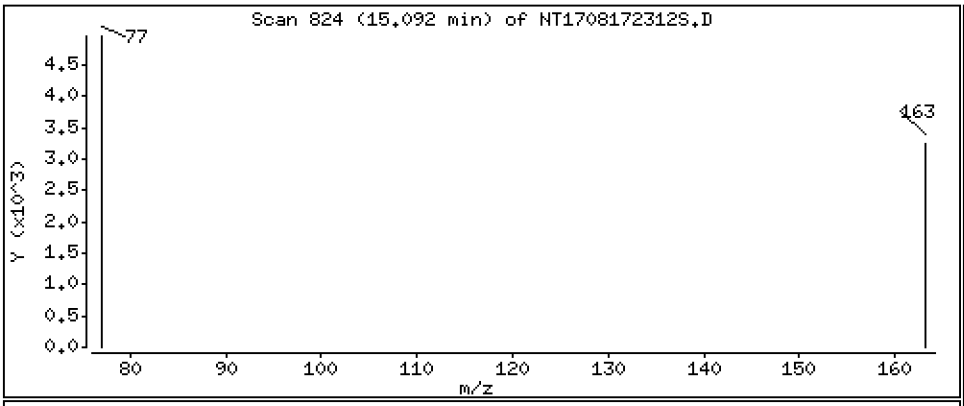
Operator: JGR

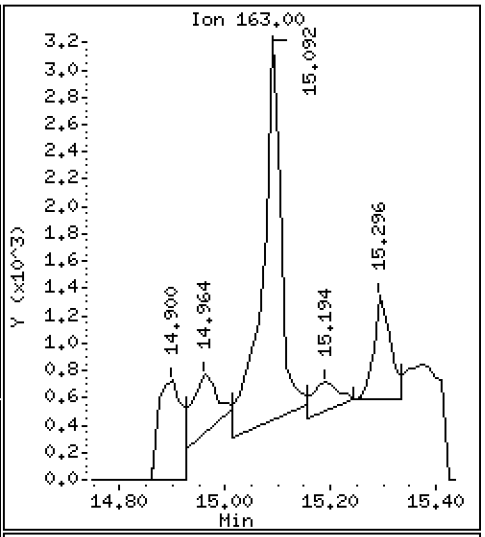
Column phase: ZB-5msi

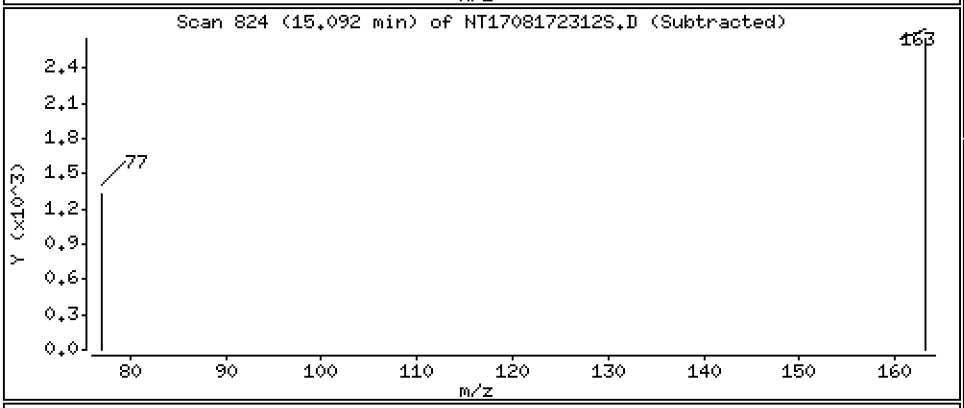
Column diameter: 0.25

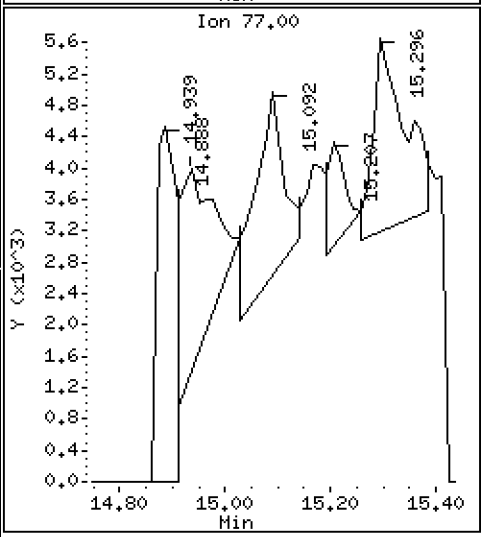
39 Dimethylphthalate

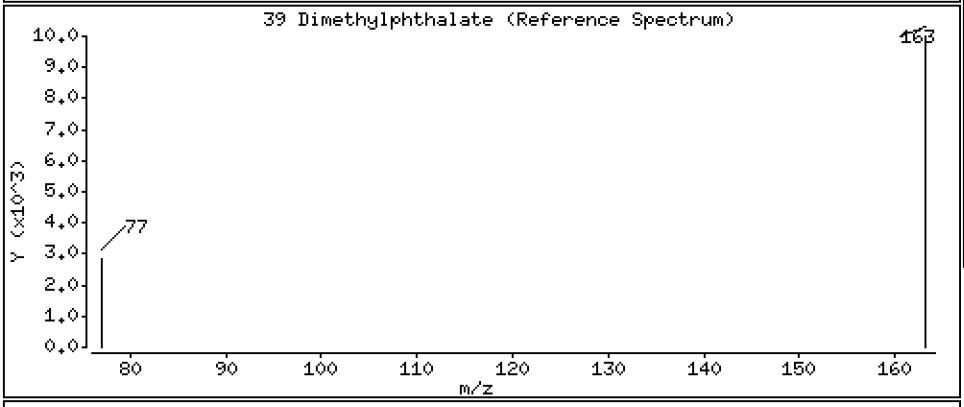
Concentration: 0.03634 ug/mL

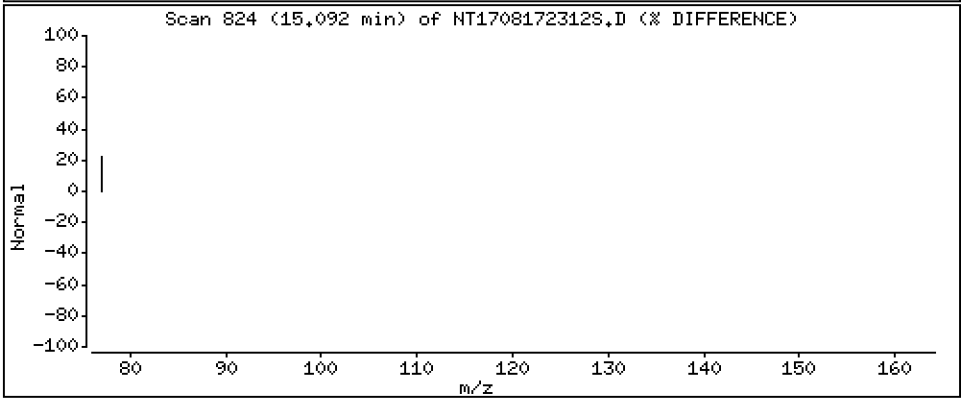












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Date : 18-AUG-2023 02:27

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-03

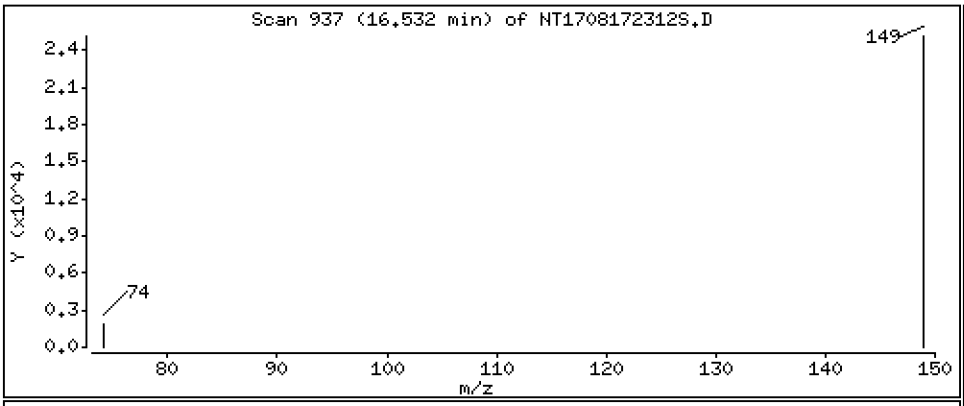
Operator: JGR

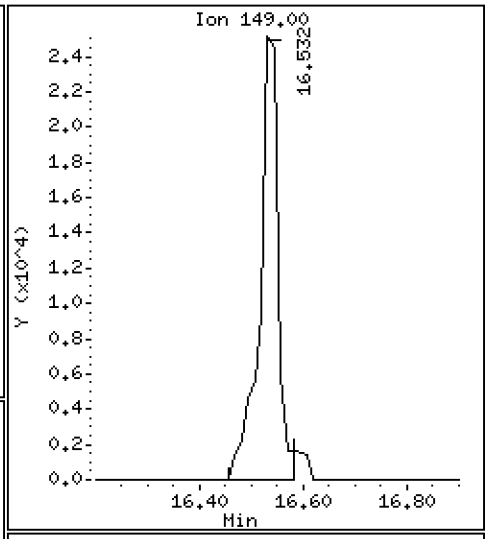
Column phase: ZB-5msi

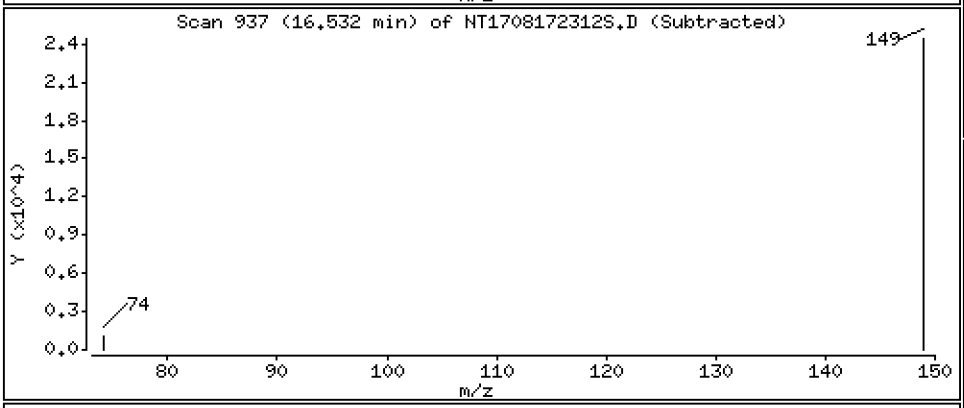
Column diameter: 0.25

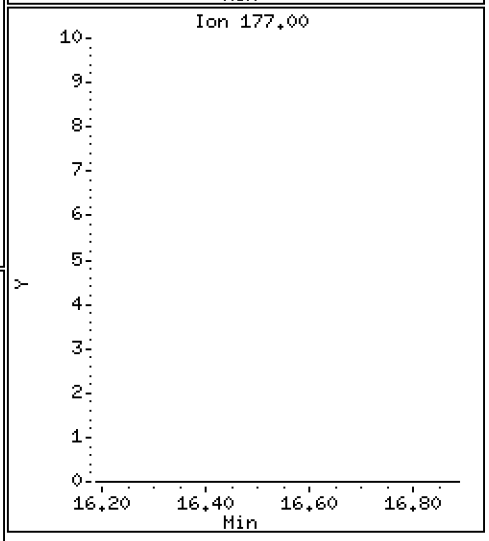
50 Diethylphthalate

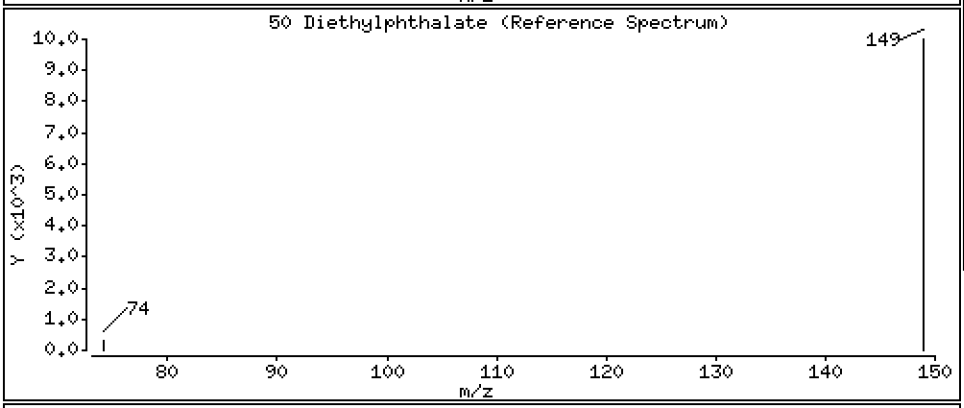
Concentration: 0.3222 ug/mL

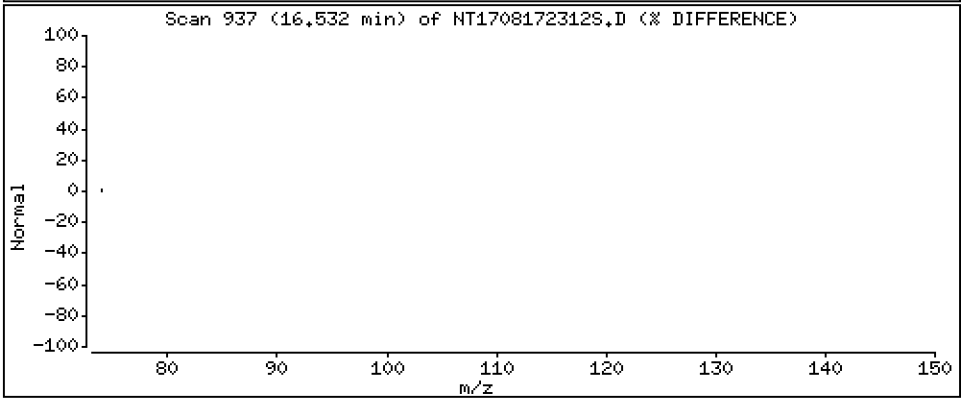












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Date : 18-AUG-2023 02:27

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-03

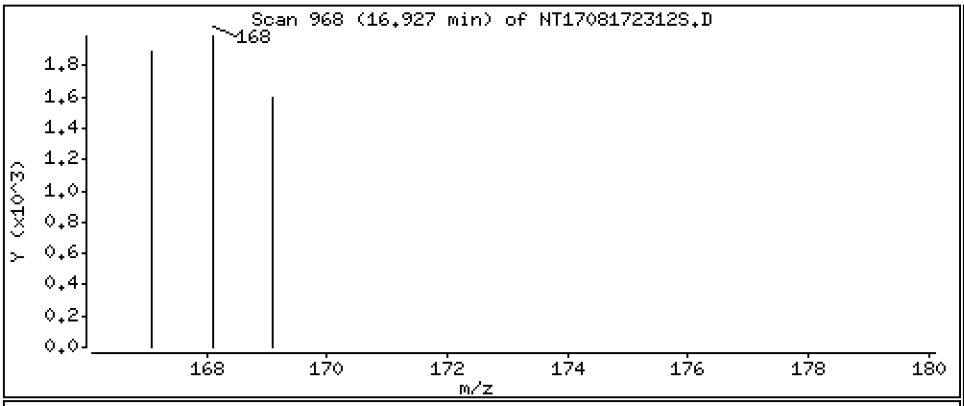
Operator: JGR

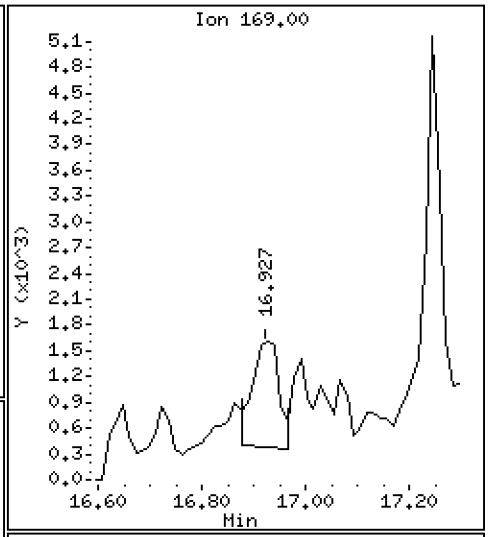
Column phase: ZB-5msi

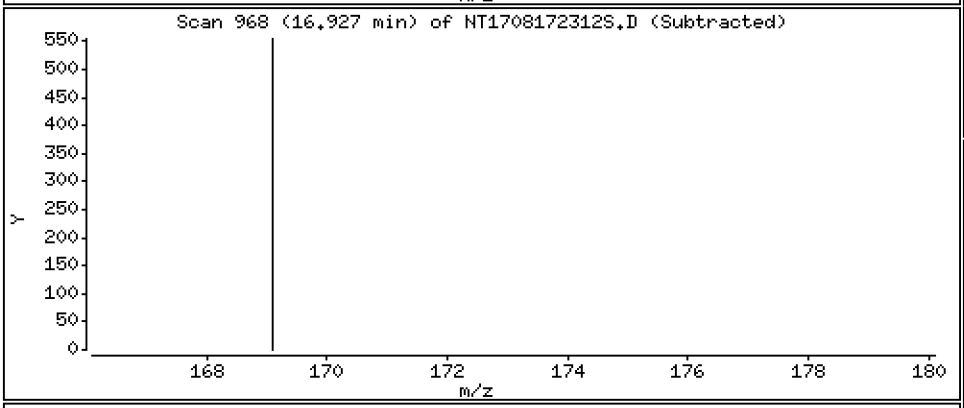
Column diameter: 0.25

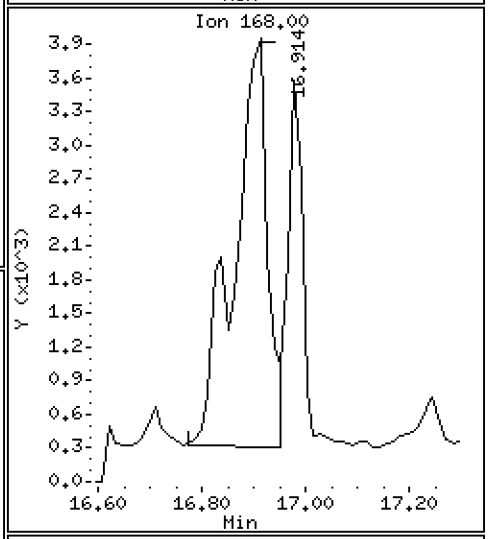
54 N-Nitrosodiphenylamine

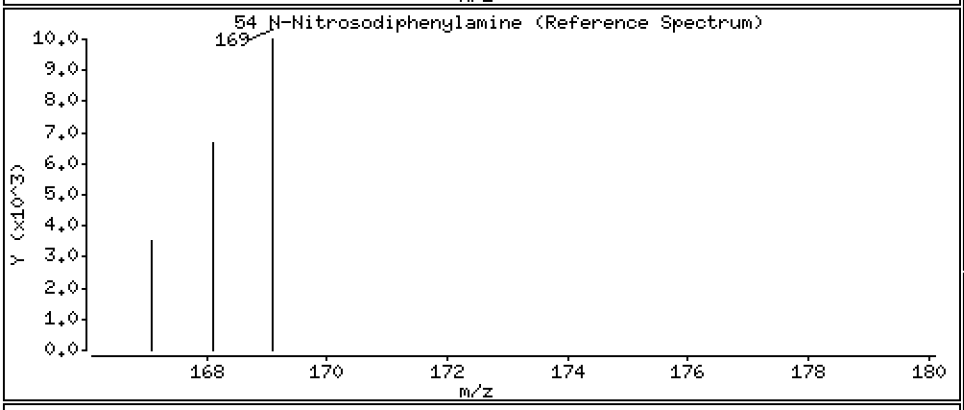
Concentration: 0.03869 ug/mL

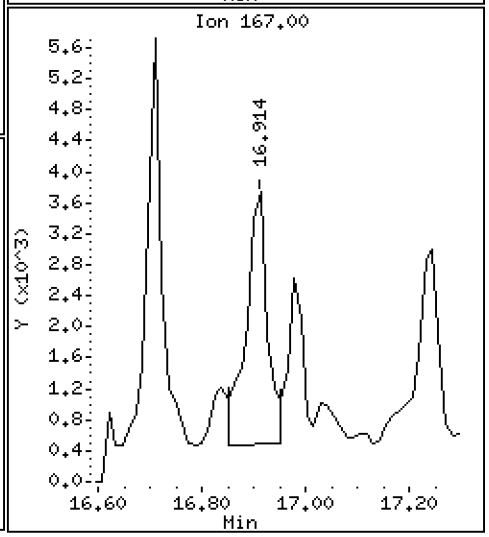


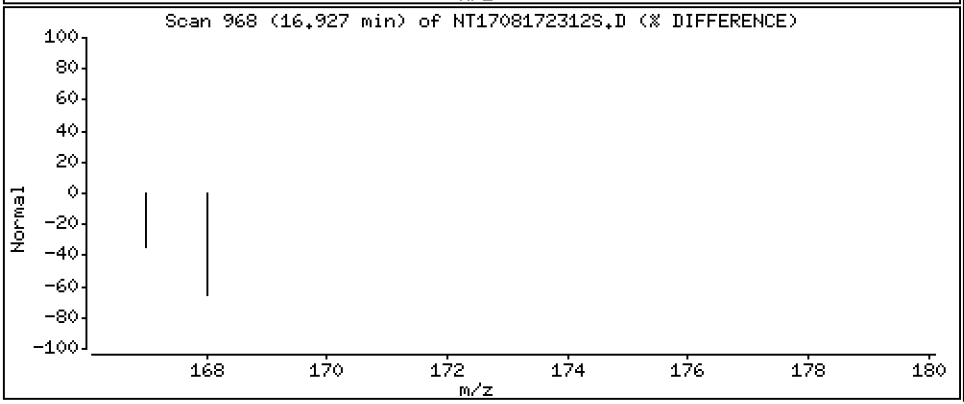












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Date : 18-AUG-2023 02:27

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-03

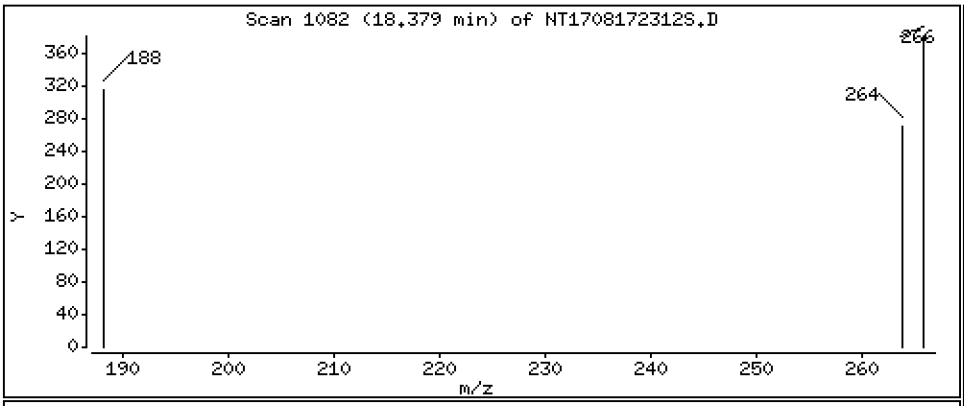
Operator: JGR

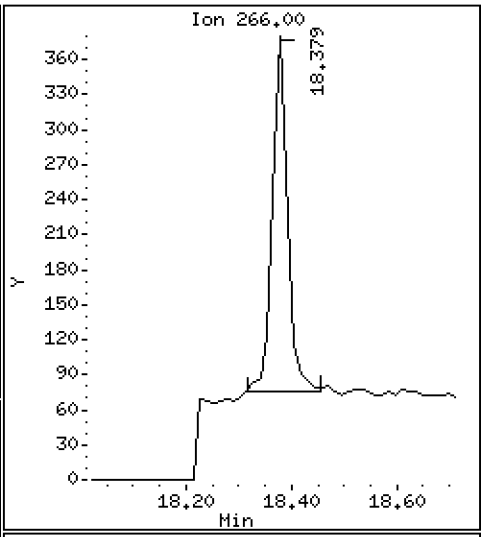
Column phase: ZB-5msi

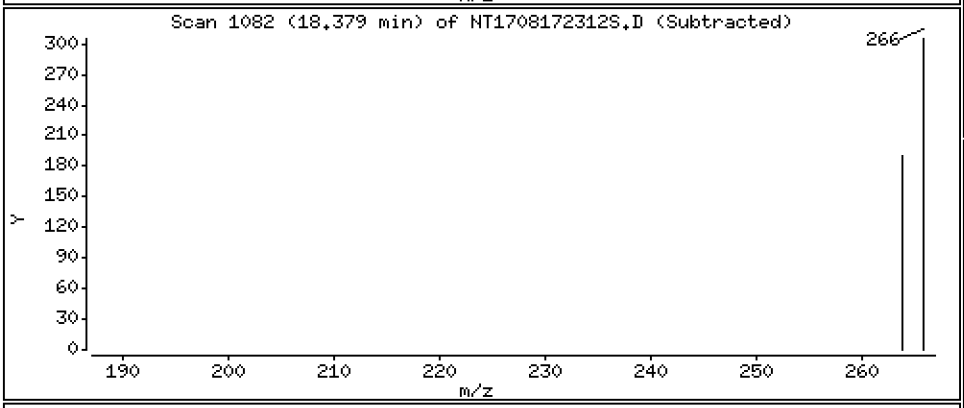
Column diameter: 0.25

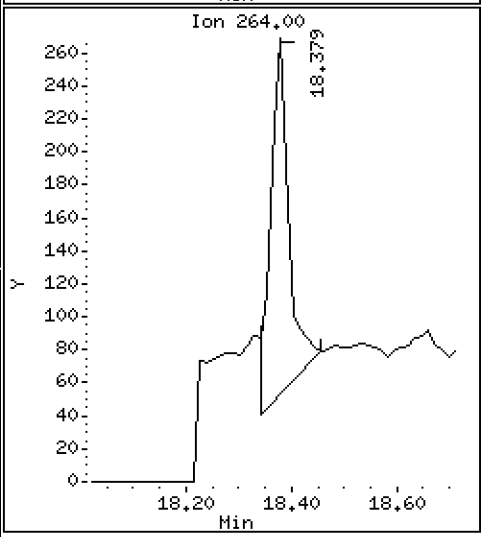
58 Pentachlorophenol

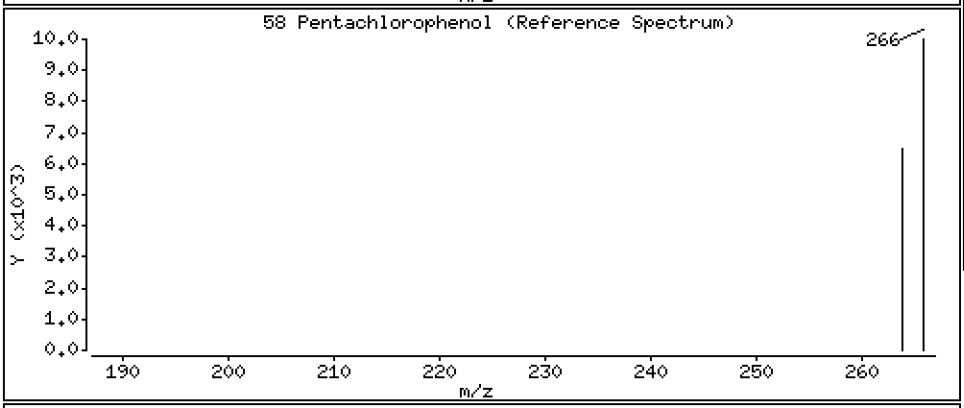
Concentration: 0.02277 ug/mL

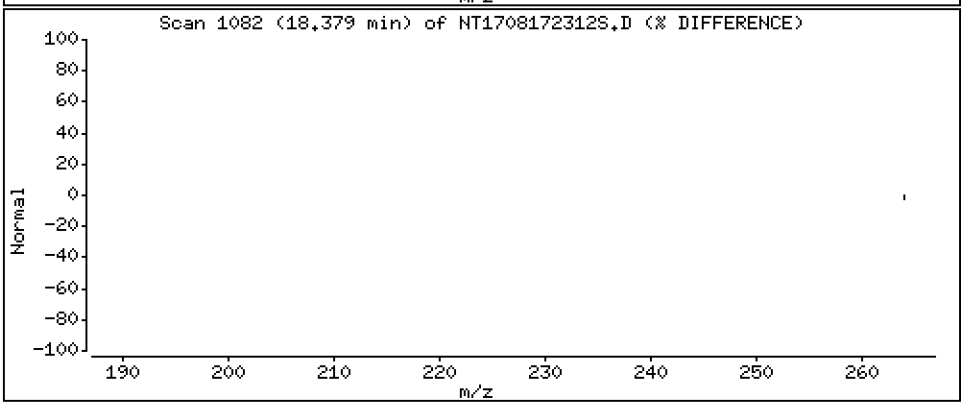












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Date : 18-AUG-2023 02:27

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-03

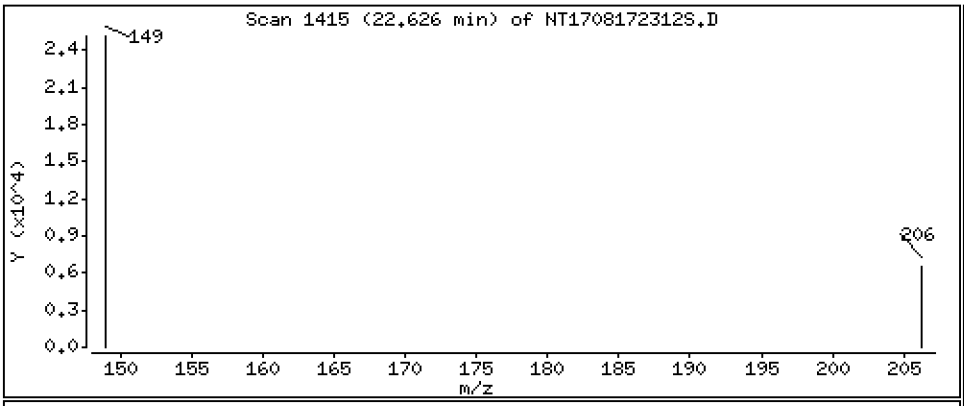
Operator: JGR

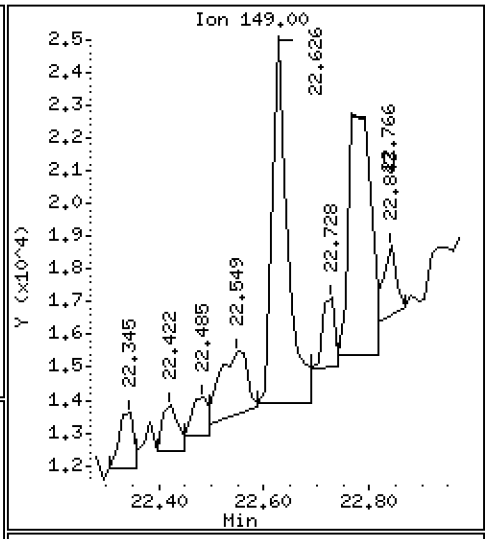
Column phase: ZB-5msi

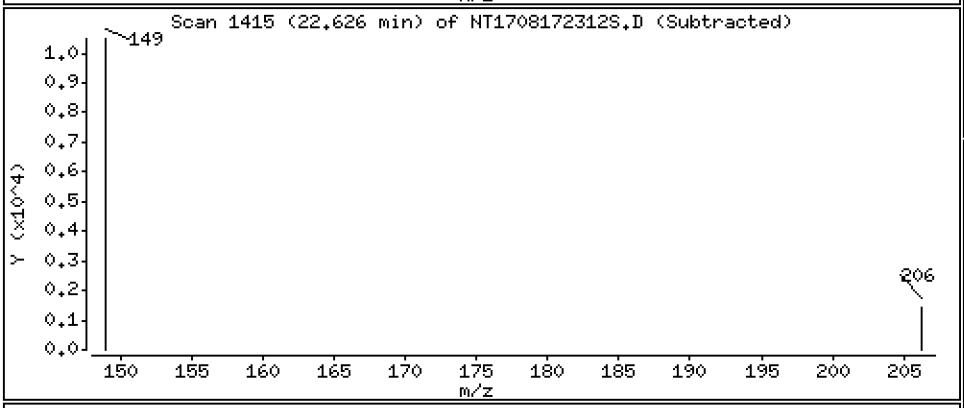
Column diameter: 0.25

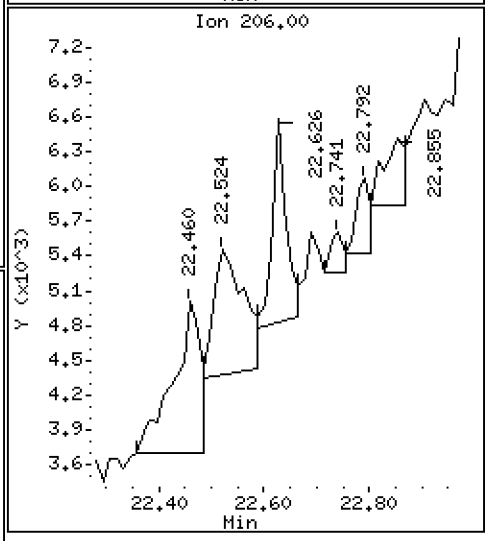
67 Butylbenzylphthalate

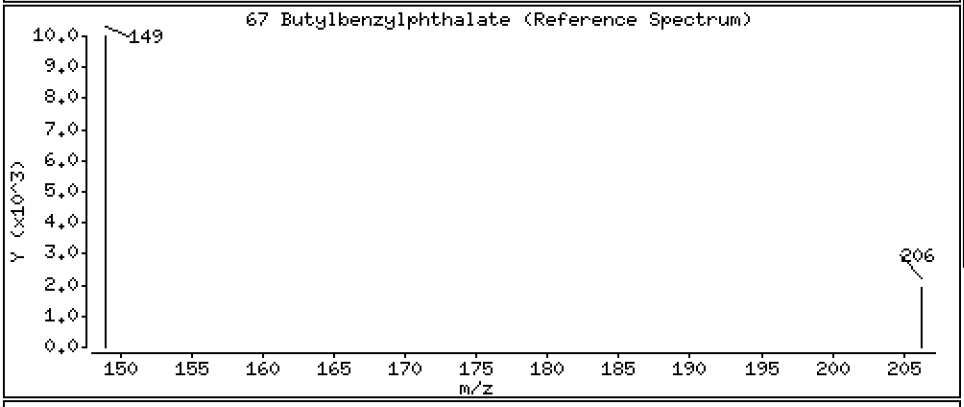
Concentration: 0.1522 ug/mL

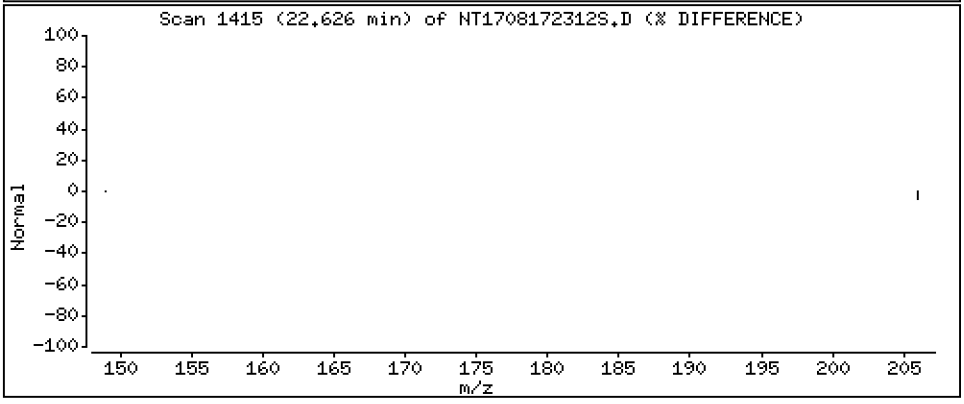












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172312S.D

Date : 18-AUG-2023 02:27

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-03

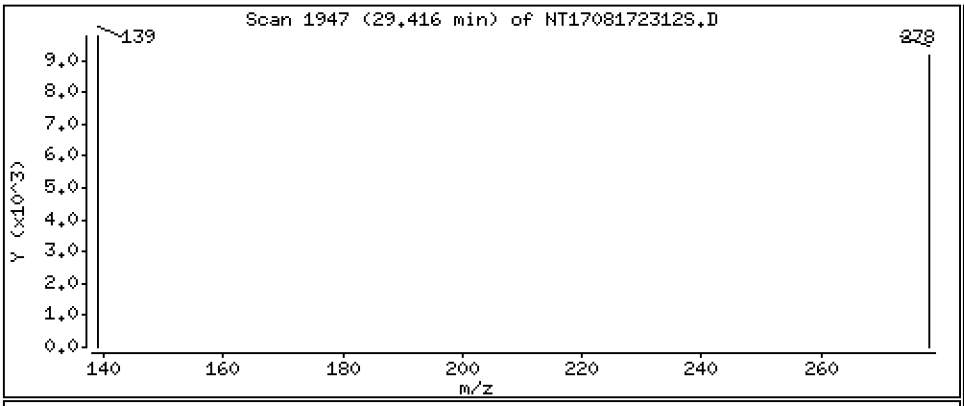
Operator: JGR

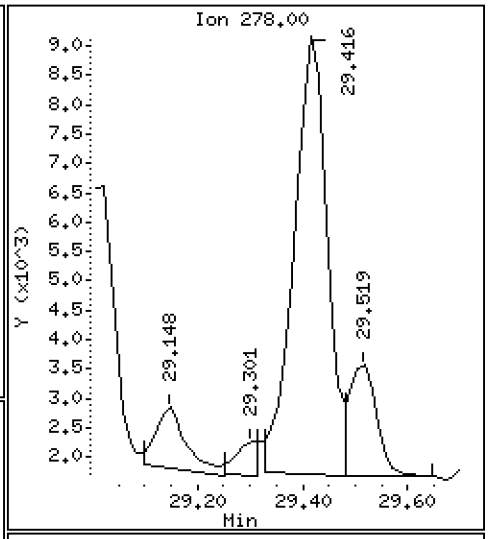
Column phase: ZB-5msi

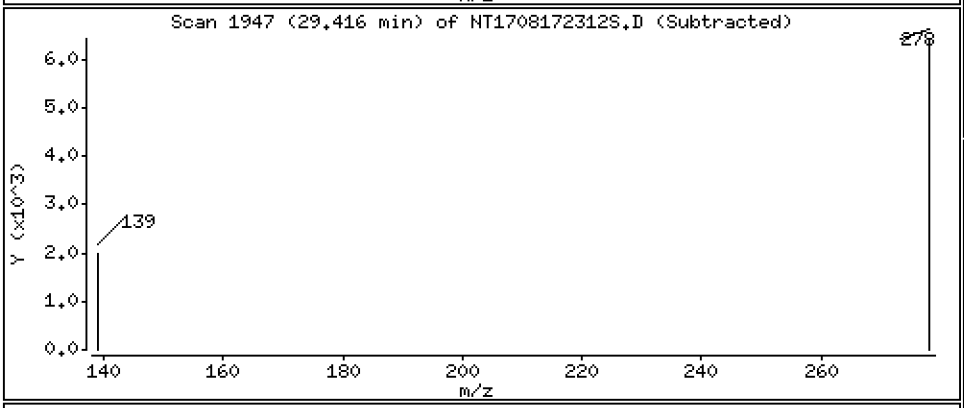
Column diameter: 0.25

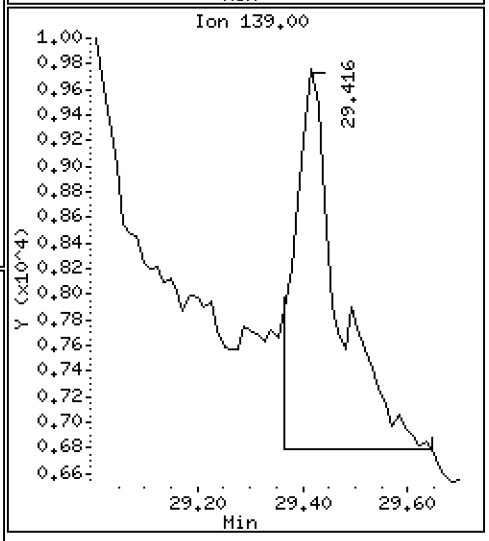
79 Dibenzo(a,h)anthracene

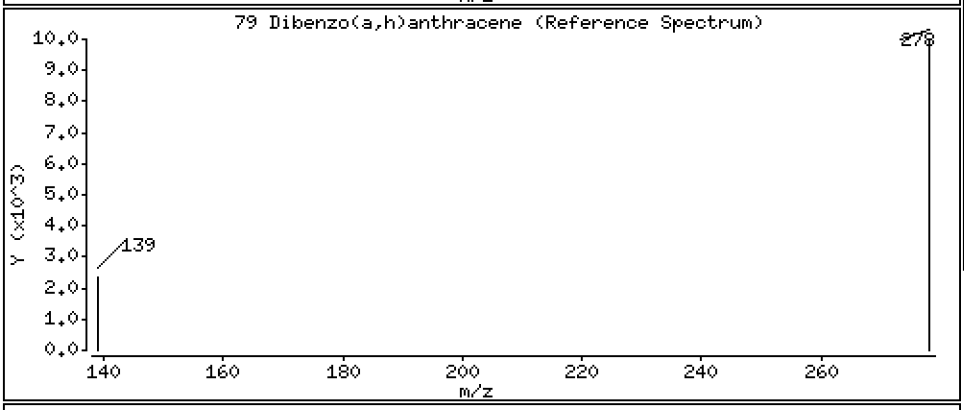
Concentration: 0.2766 ug/mL

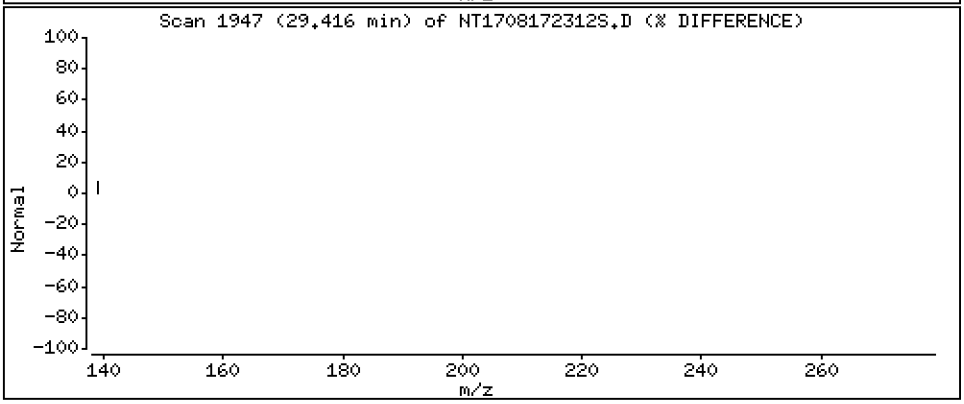












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT17081723125.D

Date : 18-AUG-2023 02:27

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-03

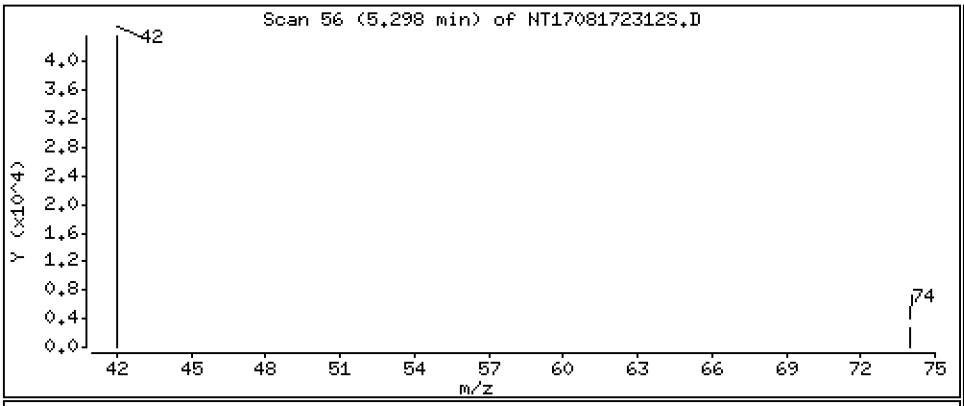
Operator: JGR

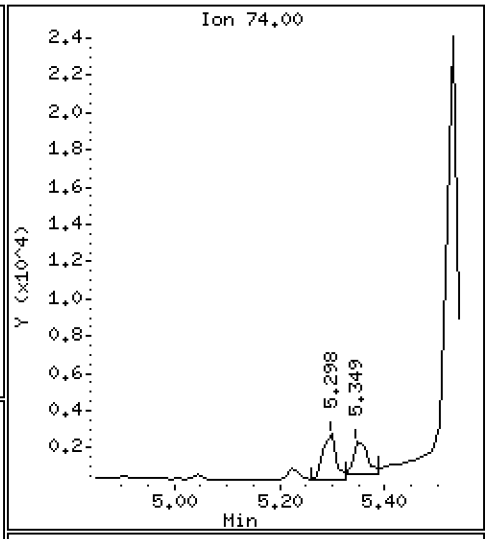
Column phase: ZB-5msi

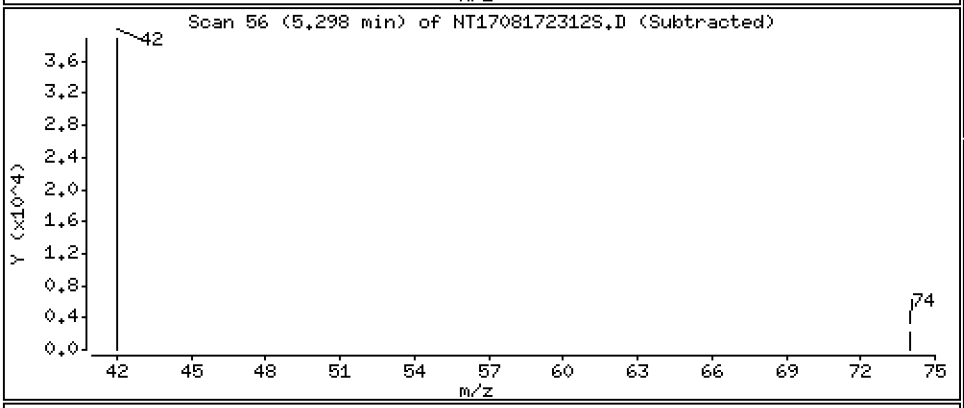
Column diameter: 0.25

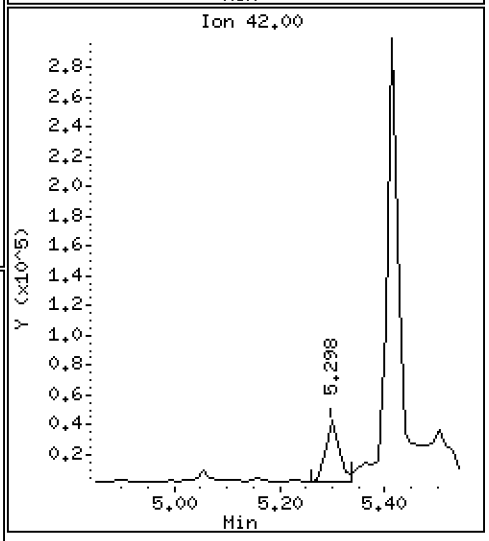
90 N-Nitrosodimethylamine

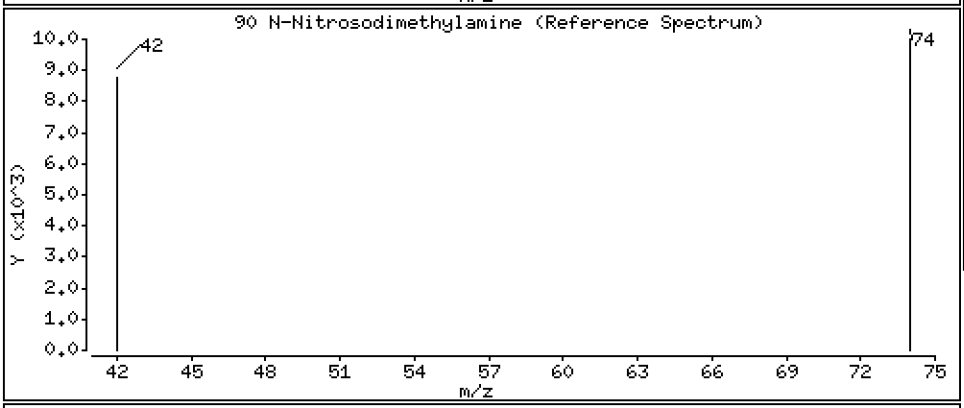
Concentration: 0.02913 ug/mL

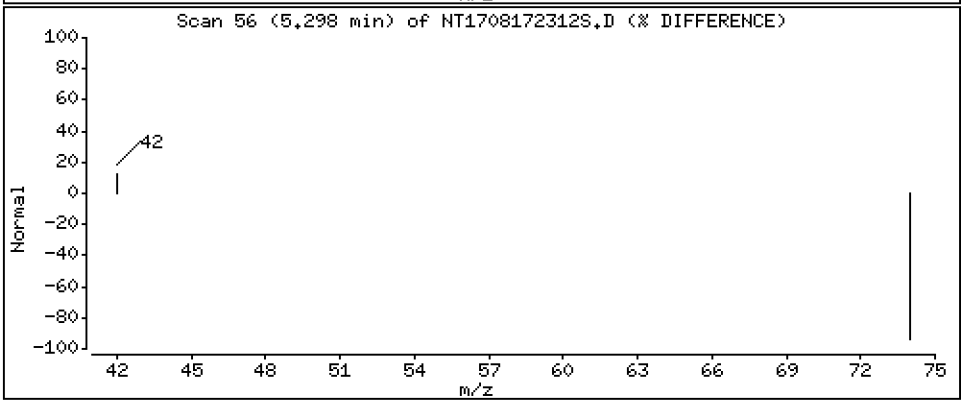












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172312S.D
Lab Smp Id: 23H0221-03
Inj Date : 18-AUG-2023 02:27
Operator : JGR Inst ID: nt17.i
Smp Info : 23H0221-03
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Meth Date : 19-Aug-2023 11:00 JoshuaR Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	7.298	7.285	(0.767)	782103	5.65075	5.651(R)
	3 Phenol	94	8.878	8.878	(0.933)	259016	1.22763	1.228
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	9.515	9.515	(1.000)	333332	4.00000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	79	9.873	9.784	(1.038)	40236	0.27553	0.2755(H)
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	15 4-Methylphenol	108	10.269	10.256	(1.079)	5594	0.04184	0.04184
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	24 Benzoic acid	105	11.419	11.431	(0.952)	114567	1.27726	1.277
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	11.993	12.005	(1.000)	1361503	4.00000	
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	39 Dimethylphthalate	163	15.091	15.091	(0.967)	6804	0.03634	0.03634
*	42 Acenaphthene-d10	162	15.601	15.614	(1.000)	576050	4.00000	
	50 Diethylphthalate	149	16.532	16.545	(1.060)	62727	0.32221	0.3222
	54 N-Nitrosodiphenylamine	169	16.926	16.939	(0.908)	4654	0.03869	0.03869(M)
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	18.379	18.366	(0.986)	609	0.02277	0.02277(M)
*	59 Phenanthrene-d10	188	18.646	18.646	(1.000)	836775	4.00000	
$	66 Terphenyl-d14	244	21.719	21.720	(0.919)	329830	4.22164	4.222(R)
	67 Butylbenzylphthalate	149	22.625	22.625	(0.957)	22804	0.15222	0.1522
*	69 Chrysene-d12	240	23.633	23.620	(1.000)	564584	4.00000	
*	77 Perylene-d12	264	26.478	26.414	(1.000)	409790	4.00000	
	79 Dibenzo(a,h)anthracene	278	29.416	29.352	(1.111)	33483	0.27663	0.2766(H)
	90 N-Nitrosodimethylamine	74	5.298	5.196	(0.557)	4103	0.02913	0.02913

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

QC Flag Legend

H - Operator selected an alternate compound hit.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708172312S.D
Lab Smp Id: 23H0221-03
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Misc Info:

Calibration Date: 17-AUG-2023
Calibration Time: 20:49
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	348452	174226	696904	333332	-4.34
27 Naphthalene-d8	1404170	702085	2808340	1361503	-3.04
42 Acenaphthene-d10	619161	309581	1238322	576050	-6.96
59 Phenanthrene-d10	992768	496384	1985536	836775	-15.71
69 Chrysene-d12	642334	321167	1284668	564584	-12.10
77 Perylene-d12	573362	286681	1146724	409790	-28.53

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.52	9.02	10.02	9.52	-0.00
27 Naphthalene-d8	12.01	11.51	12.51	11.99	-0.11
42 Acenaphthene-d10	15.61	15.11	16.11	15.60	-0.08
59 Phenanthrene-d10	18.65	18.15	19.15	18.65	-0.00
69 Chrysene-d12	23.62	23.12	24.12	23.63	0.05
77 Perylene-d12	26.41	25.91	26.91	26.48	0.24

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

REVIEW SUMMARY FOR FILE - NT1708172312S.D

Lab ID: 23H0221-03
nt17.i, 20230817.b\SIM.b\SIMABN2.m,   18-AUG-2023 02:27

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
1.038	1.028	0.0094	Benzyl alcohol
0.557	0.546	0.0107	N-Nitrosodimethylamine

RRT check based on Ccal File: SIM.b/NT1708172303S.D

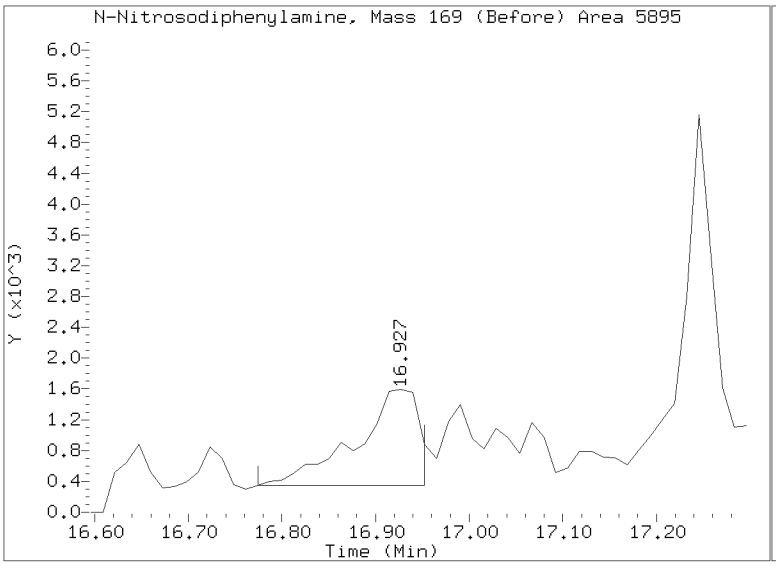
On Column LOD for nt17.i, SIM.b\SIMABN2.m, PSDDA.sub = 0.0000

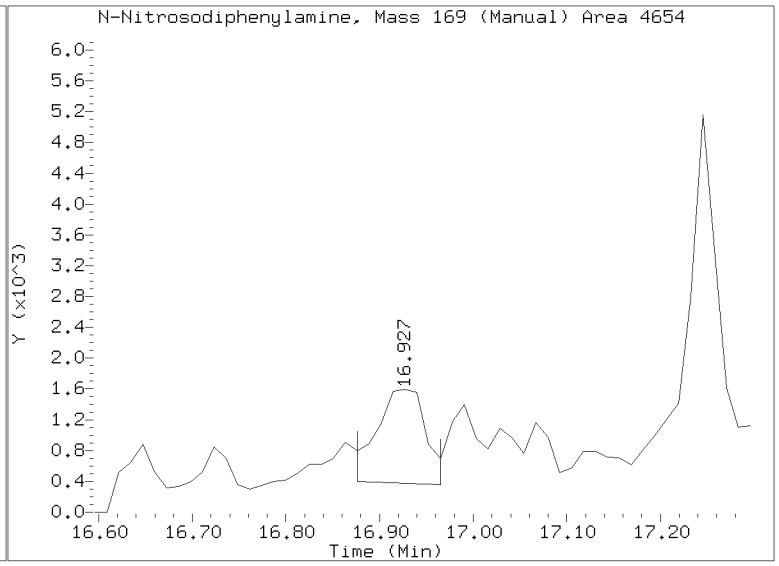
Exception: 1,2,4-Trichlorobenzene 0.0010

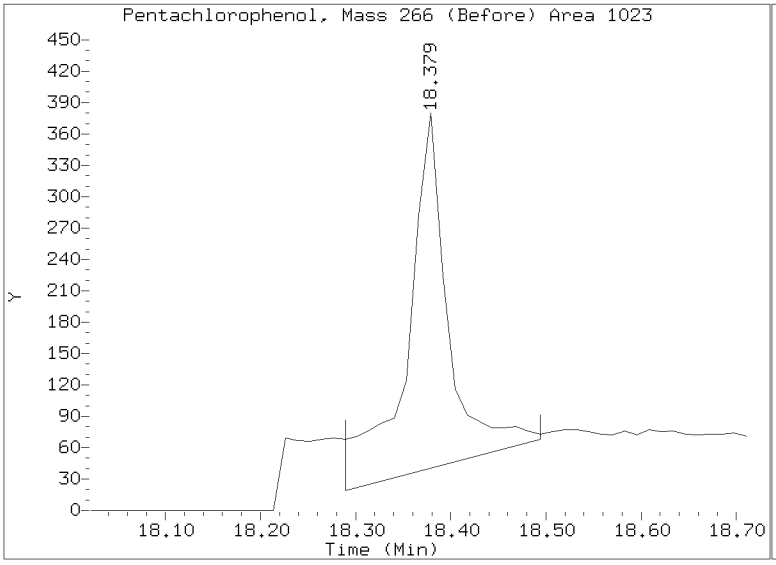
* Only compounds listed in the work order have been verified by the analyst *

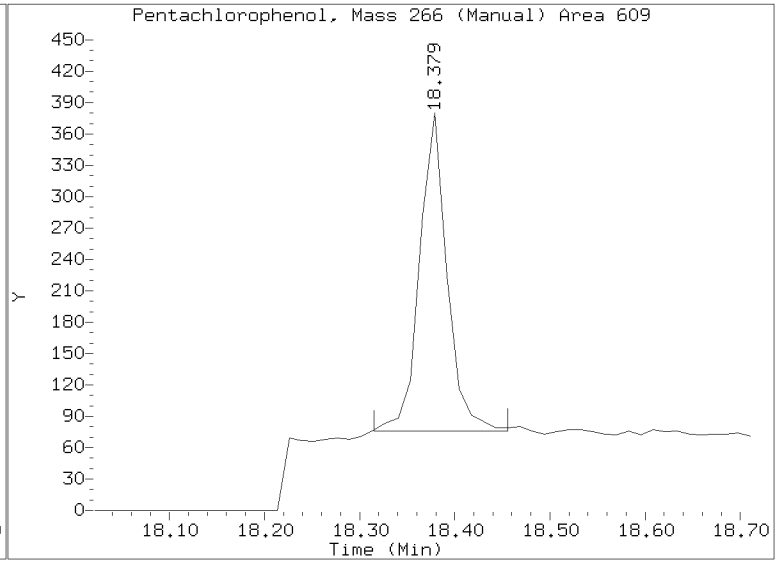
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230817.b/SIM.b/NT1708172312S.D
Injection Date: 18-AUG-2023 02:27
Lab ID:23H0221-03 Client ID:
Report Date: 08/19/2023 11:08









LDW23-SS1078

Form I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E-SIM

SIM SVOC Organics (Dual scan list)

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC5 MR Phase 1				
Matrix:	Sediment	Laboratory ID:	23H0221-04 B	SDG:	23H0221
Sampled:	04/11/23 14:18	Prepared:	08/14/23 09:29	File ID:	NT1708172313S.D
% Solids:	76.14	Preparation:	EPA 3546 (Microwave)	Analyzed:	08/18/23 03:04
Batch:	BLH0329	Sequence:	SLH0293	Initial/Final:	13.19 g Wet / 1 mL
Instrument:	NT17	Column:	ZB-5MS	Calibration:	GH00045
Cleanups:	GPC				

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
106-46-7	1,4-Dichlorobenzene	1	5.0	U	0.6	5.0
95-50-1	1,2-Dichlorobenzene	1	5.0	U	0.7	5.0
100-51-6	Benzyl Alcohol	1	26.7		2.5	19.9
65-85-0	Benzoic acid	1	316		13.3	99.6
105-67-9	2,4-Dimethylphenol	1	19.9	U	2.2	19.9
120-82-1	1,2,4-Trichlorobenzene	1	5.0	U	2.7	5.0
86-30-6	N-Nitrosodiphenylamine	1	5.0	U	1.3	5.0
87-86-5	Pentachlorophenol	1	19.9	U	2.1	19.9

SURROGATES	ADDED: (ug/kg dry)	FOUND: (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorophenol	746.80	554	74.1	27 - 120	
p-Terphenyl-d14	497.87	436	87.6	37 - 120	Q

Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT17081723135.D

Date : 18-AUG-2023 03:04

Client ID:

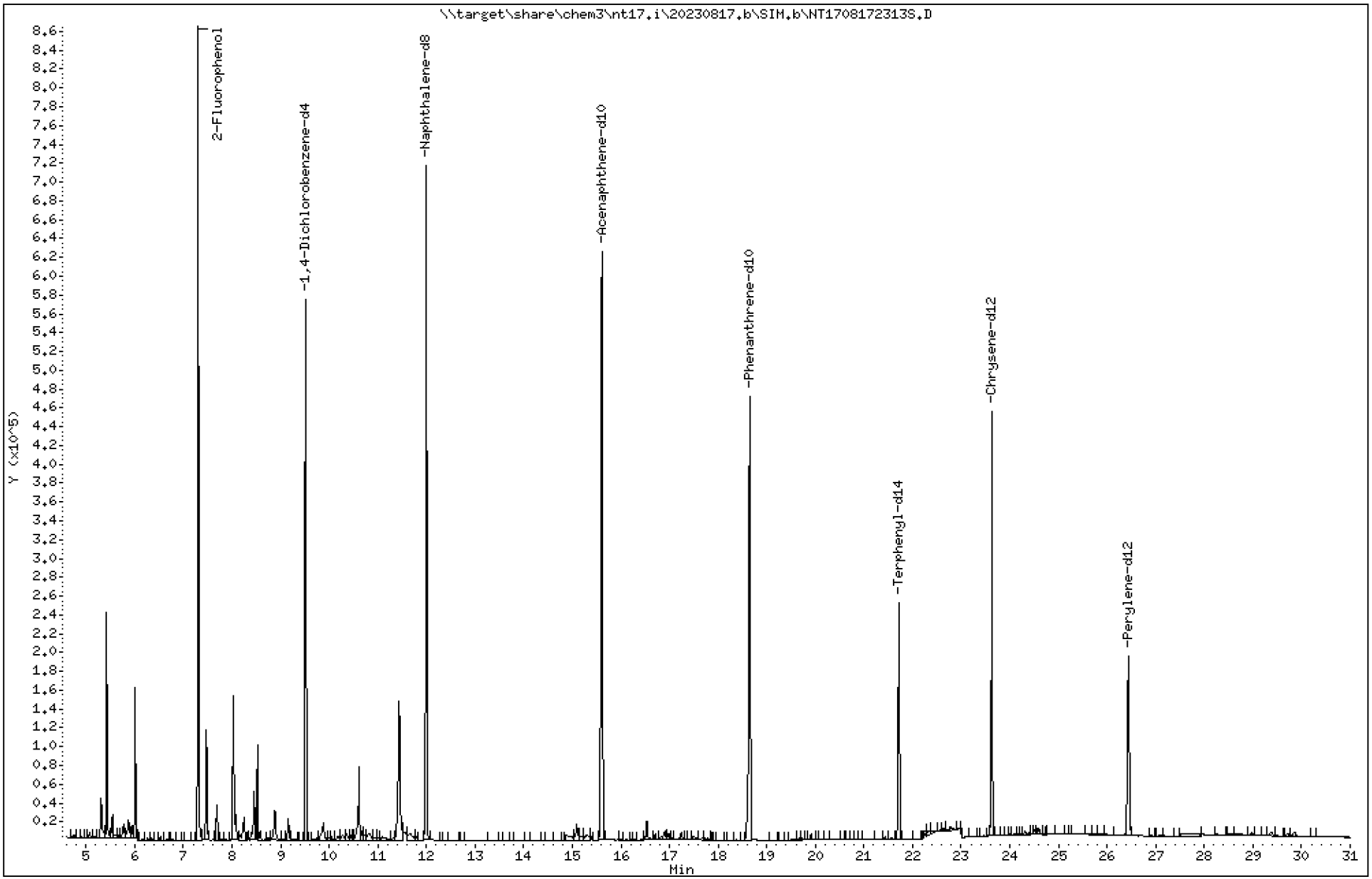
Instrument: nt17.i

Sample Info: 23H0221-04

Operator: JGR

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 18-AUG-2023 03:04

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-04

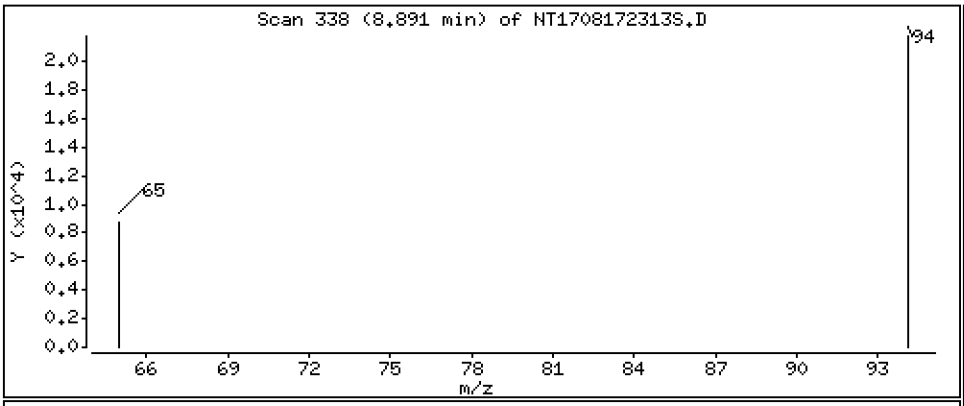
Operator: JGR

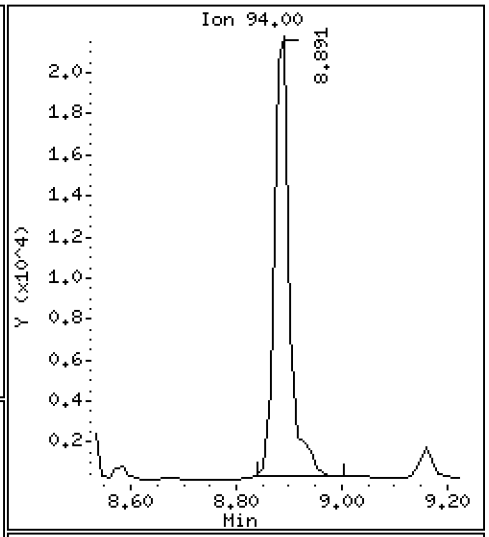
Column phase: ZB-5msi

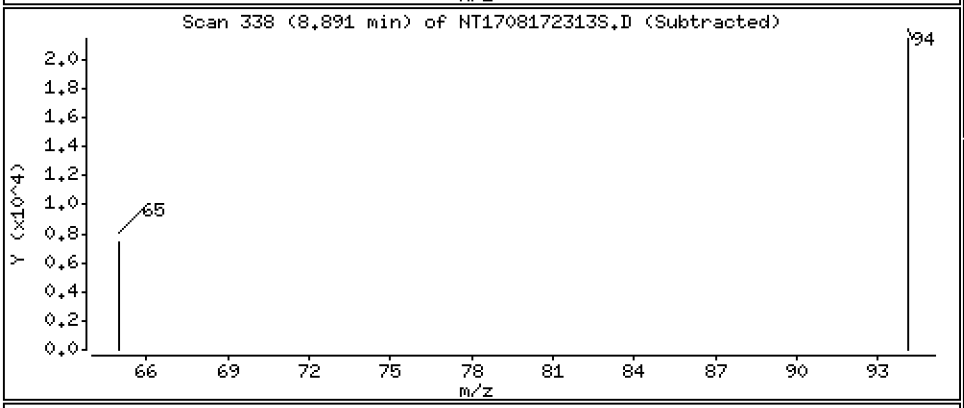
Column diameter: 0.25

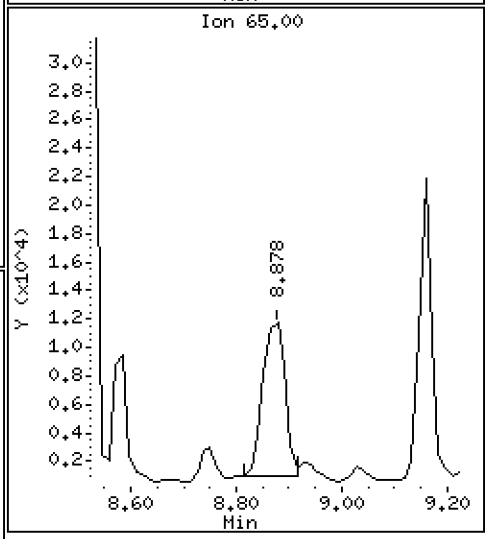
3 Phenol

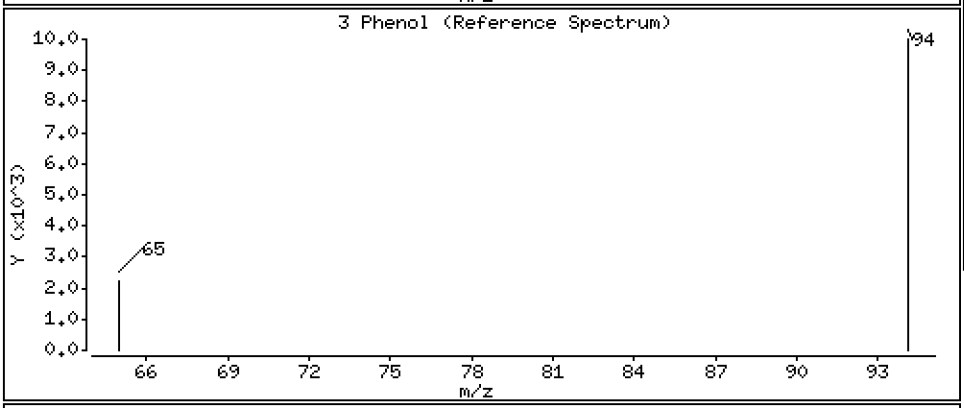
Concentration: 0.2077 ug/mL

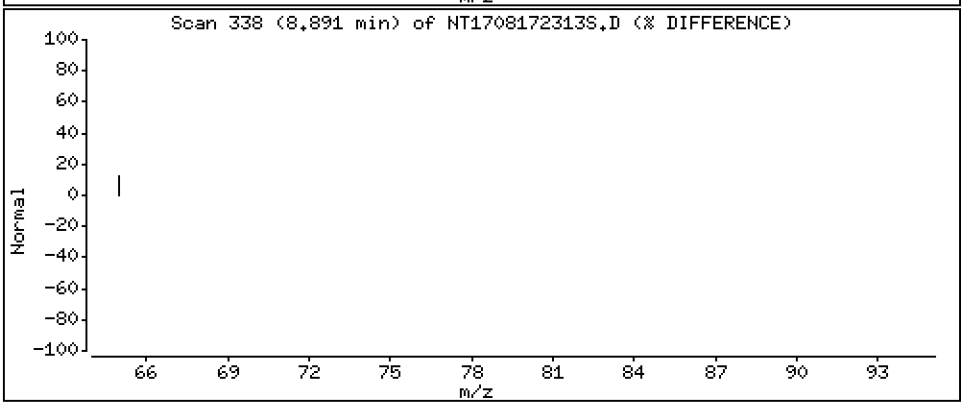












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Date : 18-AUG-2023 03:04

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-04

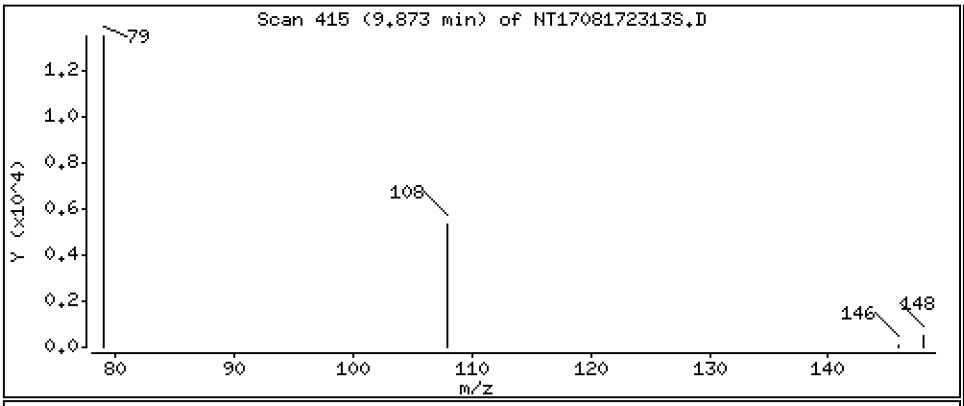
Operator: JGR

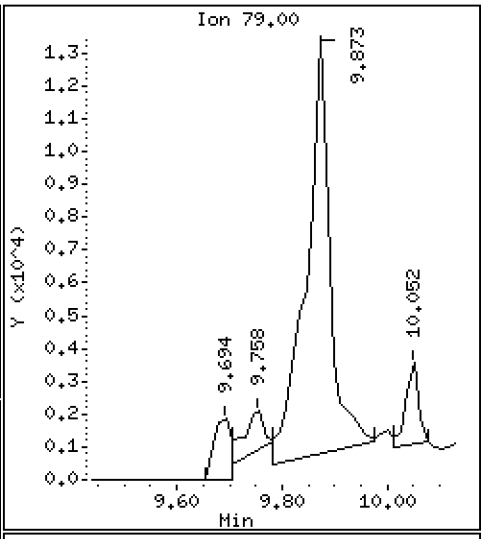
Column phase: ZB-5msi

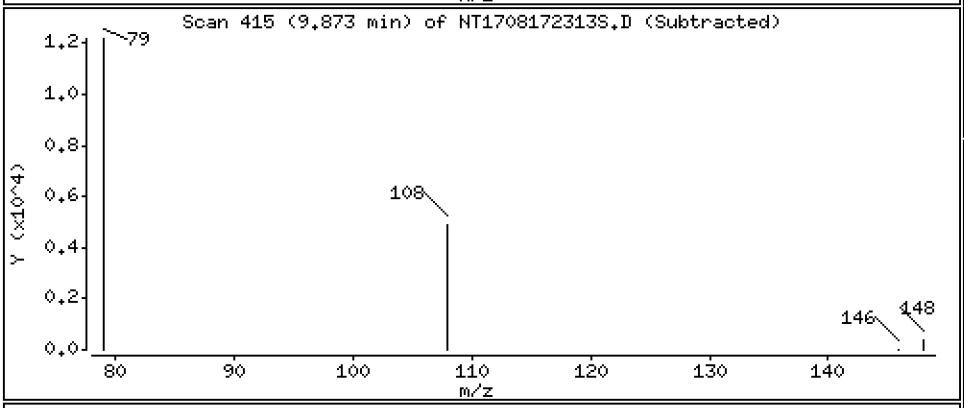
Column diameter: 0.25

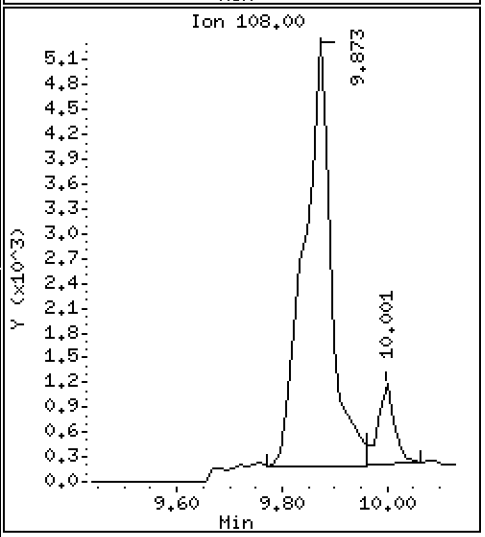
11 Benzyl alcohol

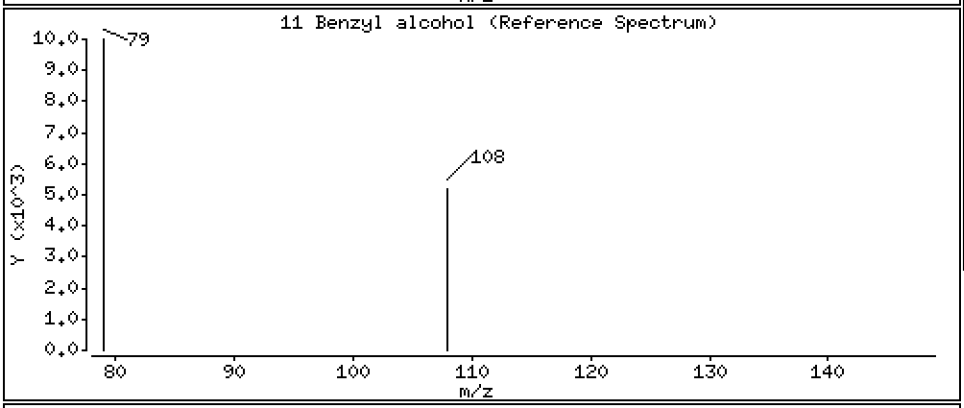
Concentration: 0.2678 ug/mL

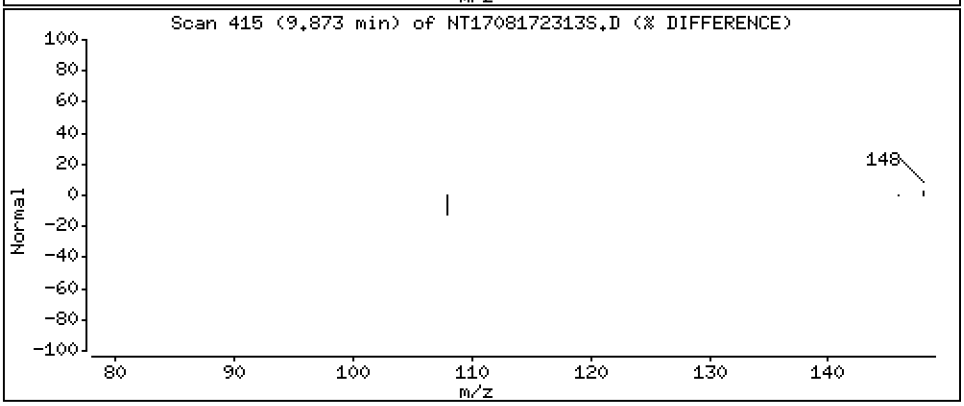












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Date : 18-AUG-2023 03:04

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-04

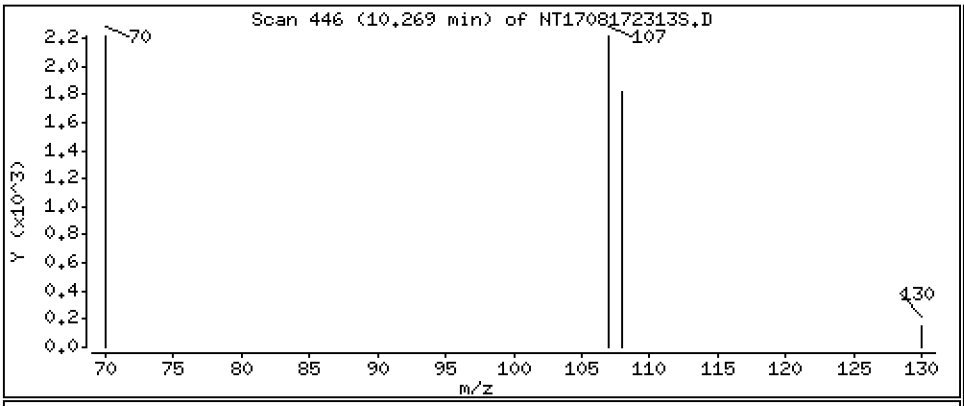
Operator: JGR

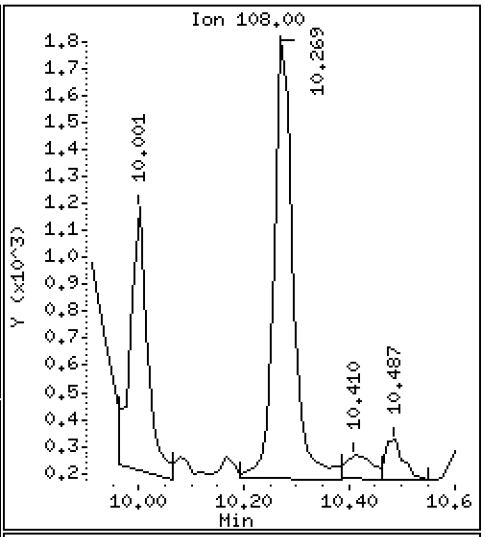
Column phase: ZB-5msi

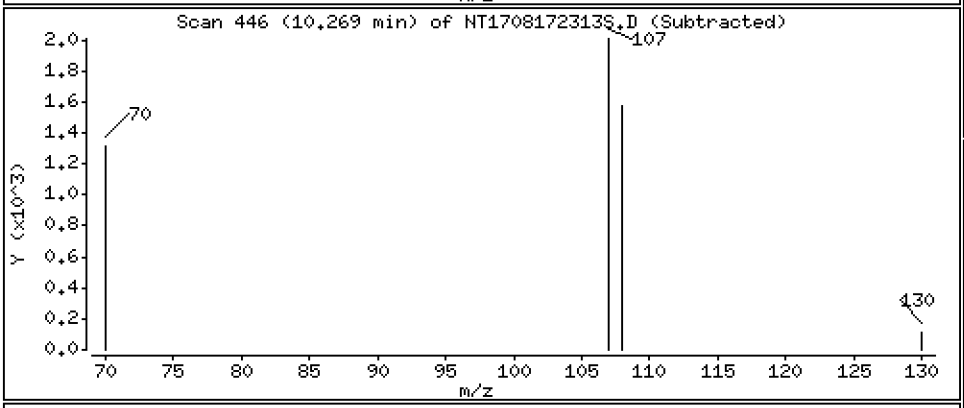
Column diameter: 0.25

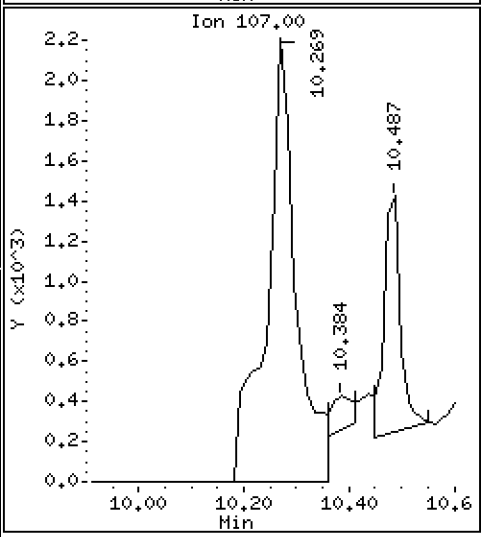
15 4-Methylphenol

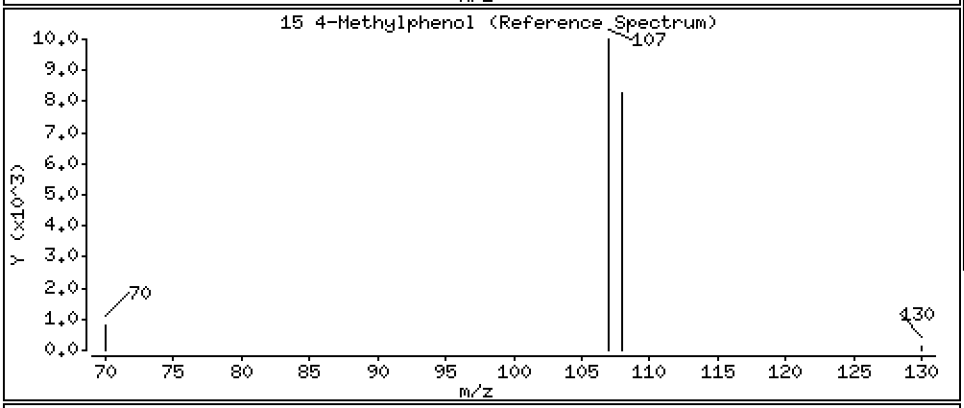
Concentration: 0.03026 ug/mL

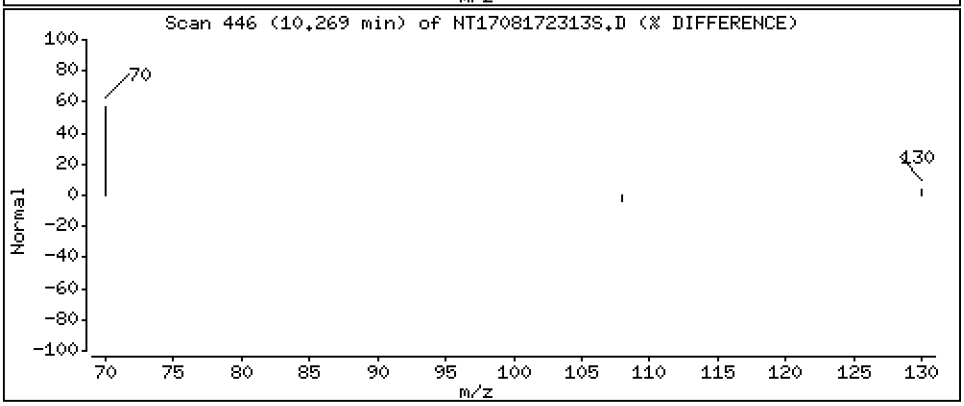












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172313S.D

Date : 18-AUG-2023 03:04

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-04

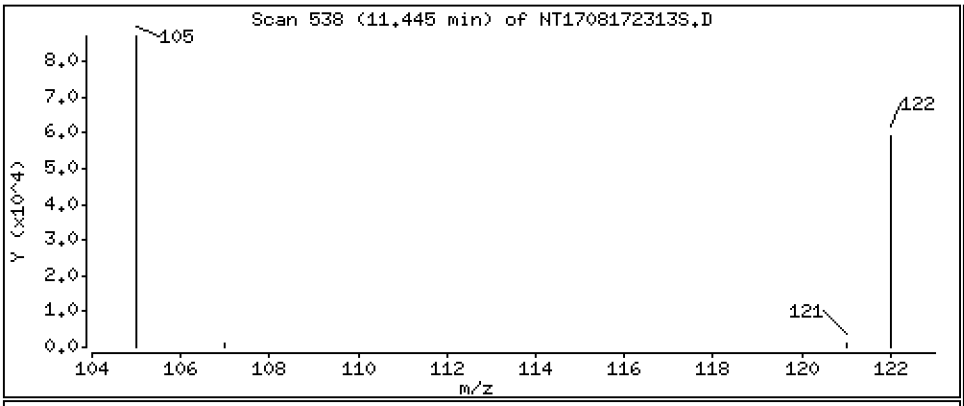
Operator: JGR

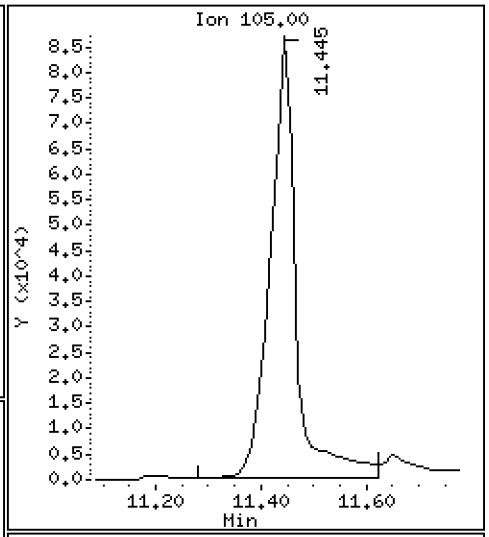
Column phase: ZB-5msi

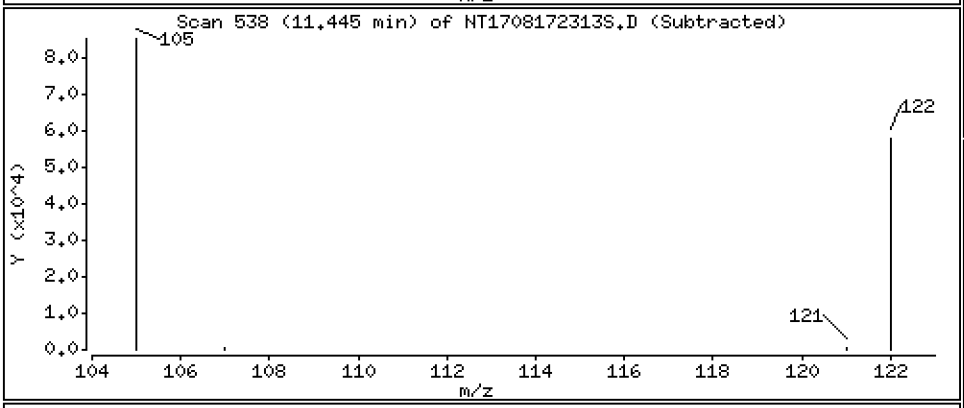
Column diameter: 0.25

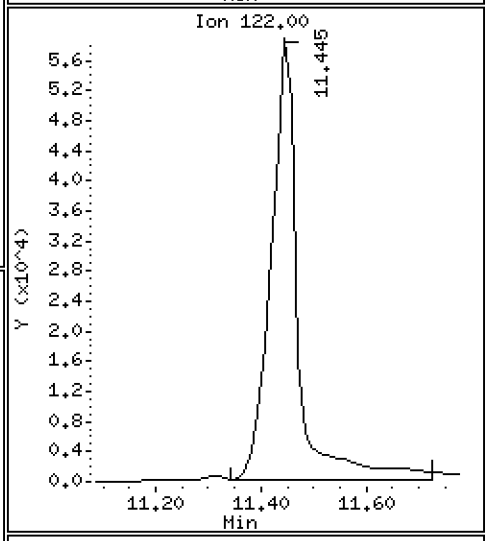
24 Benzoic acid

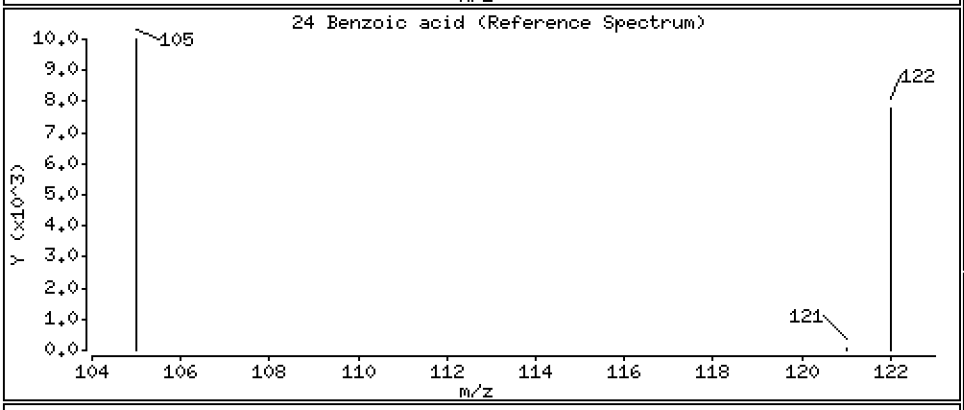
Concentration: 3.169 ug/mL

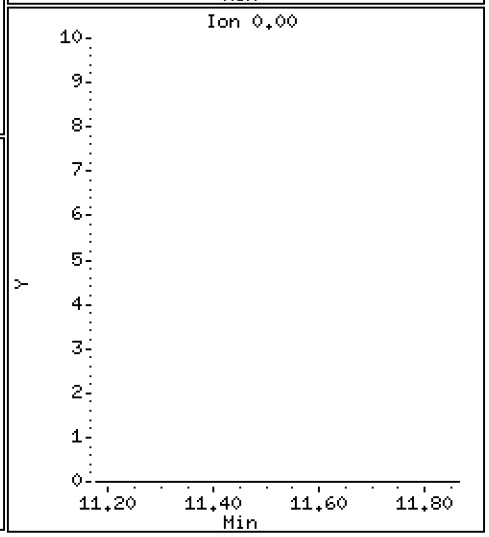


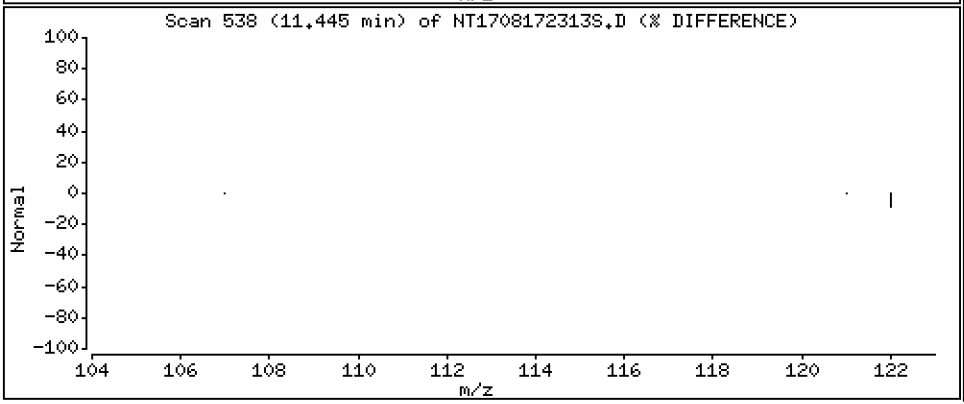












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172313S.D

Date : 18-AUG-2023 03:04

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-04

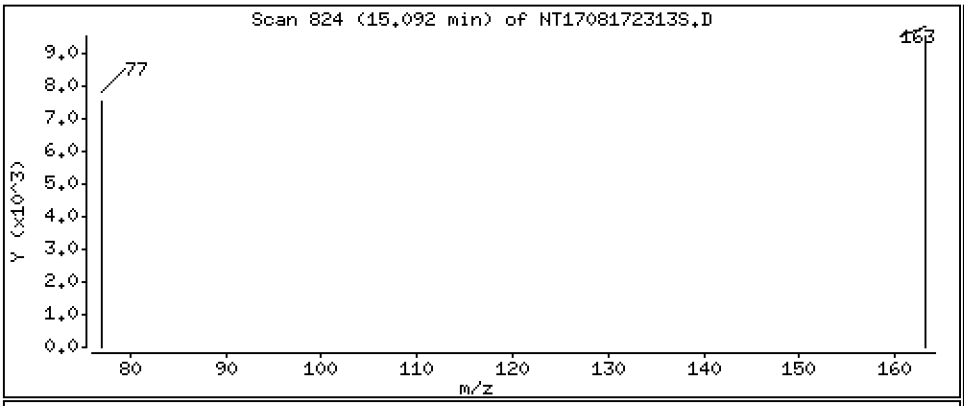
Operator: JGR

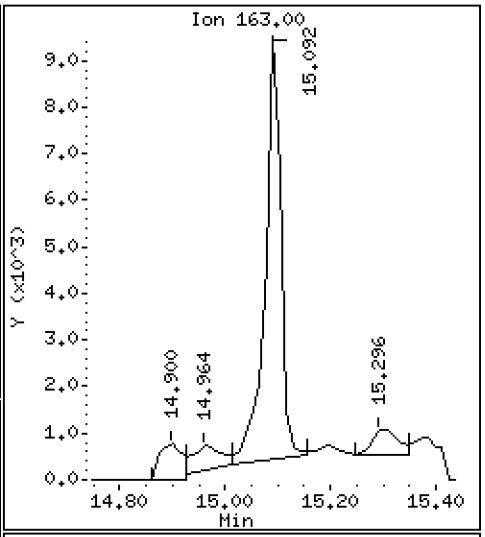
Column phase: ZB-5msi

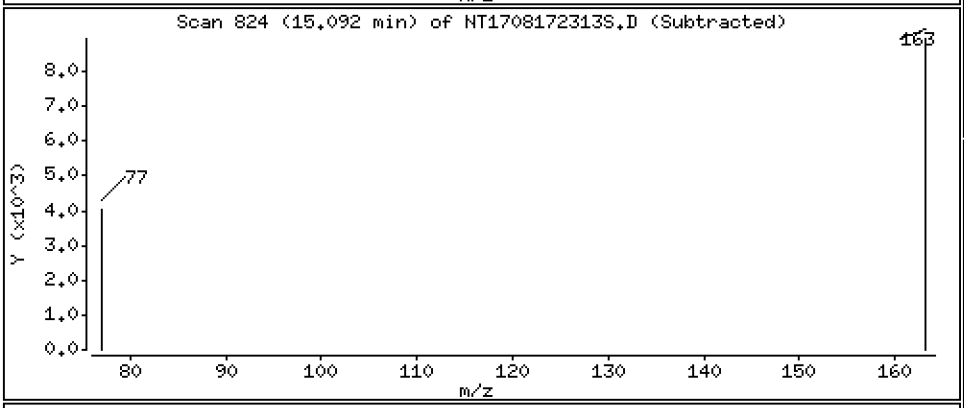
Column diameter: 0.25

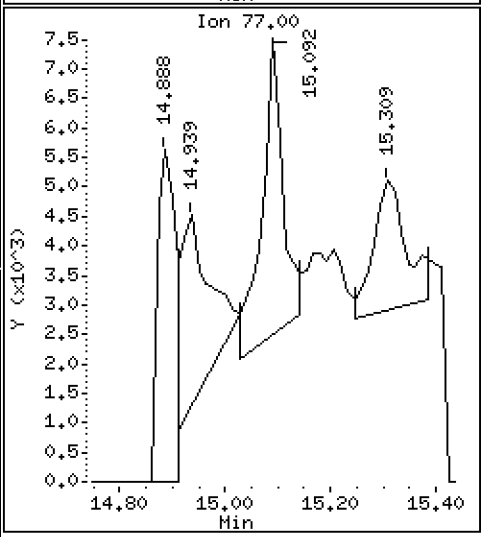
39 Dimethylphthalate

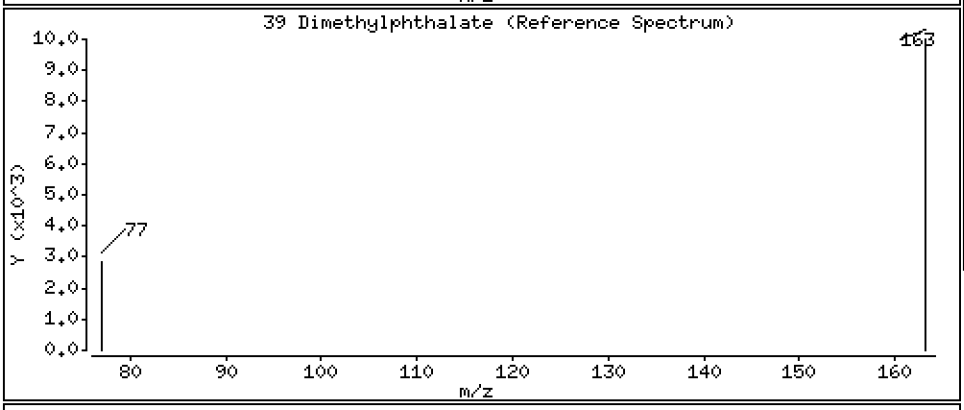
Concentration: 0.09554 ug/mL

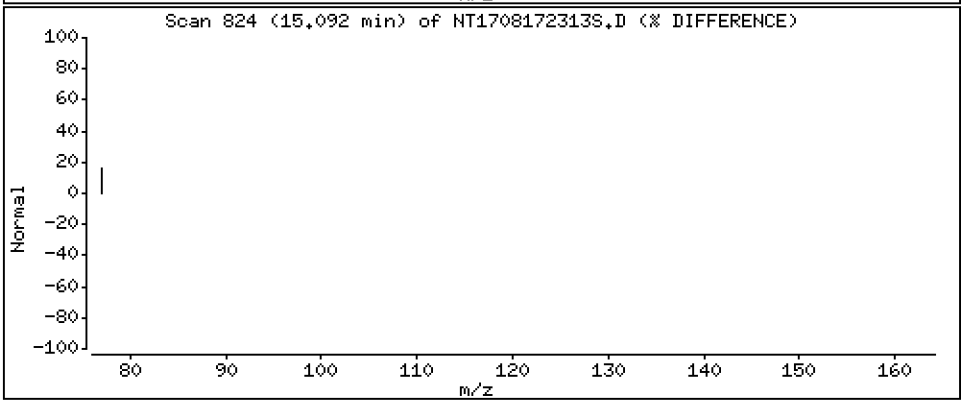












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172313S.D

Date : 18-AUG-2023 03:04

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-04

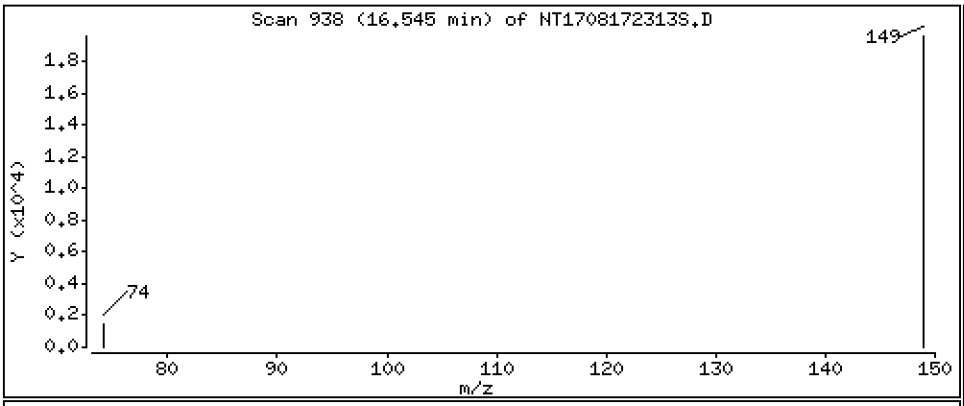
Operator: JGR

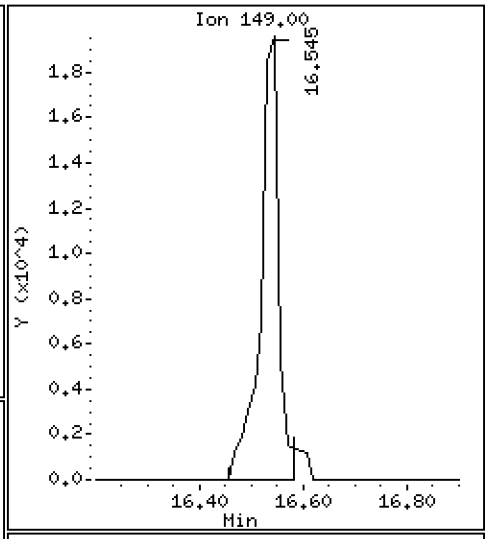
Column phase: ZB-5msi

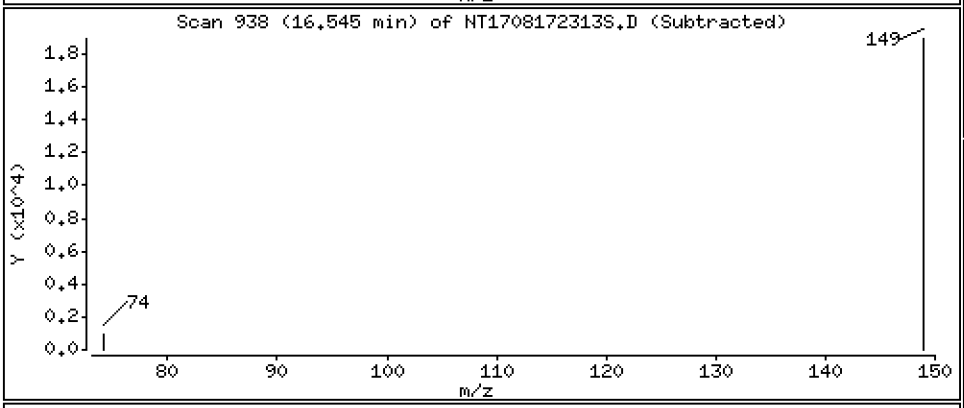
Column diameter: 0.25

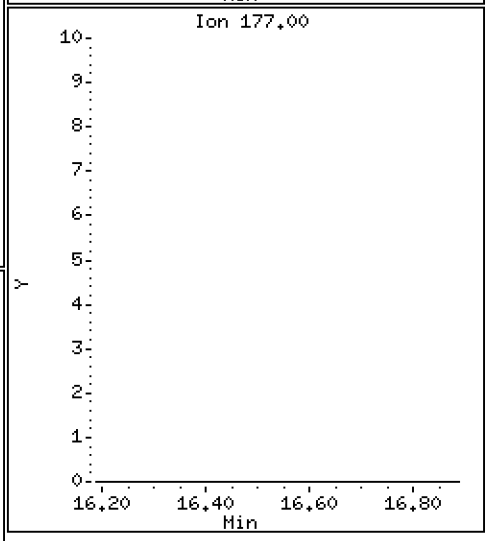
50 Diethylphthalate

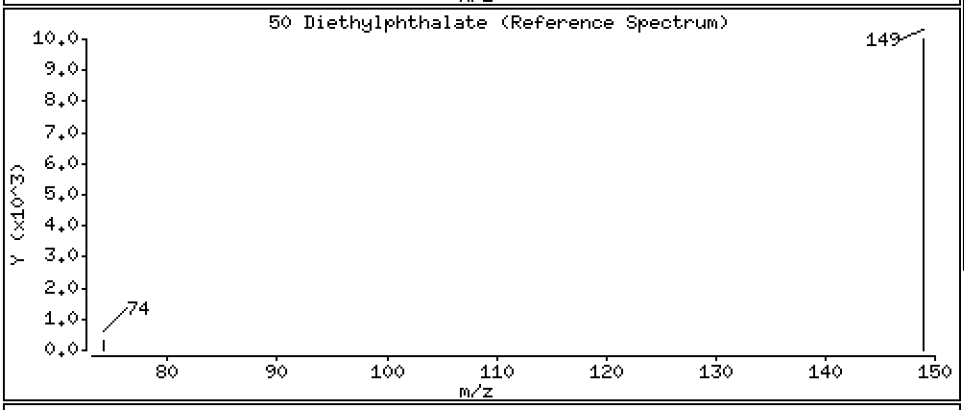
Concentration: 0.2349 ug/mL

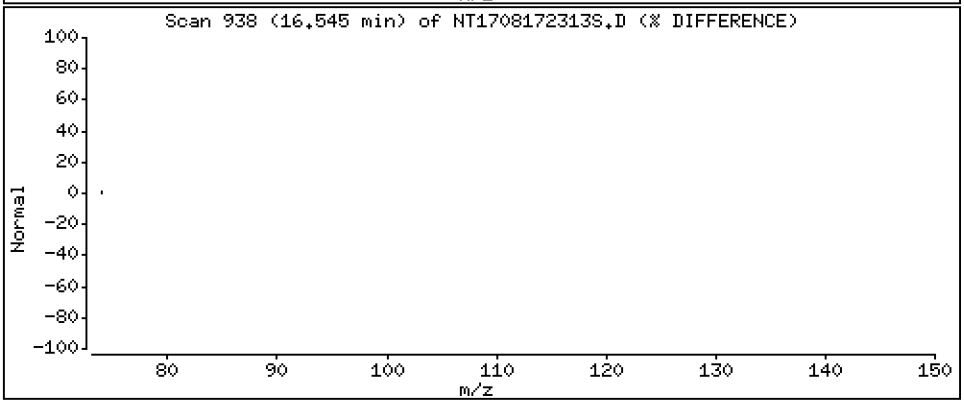












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172313S.D

Date : 18-AUG-2023 03:04

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-04

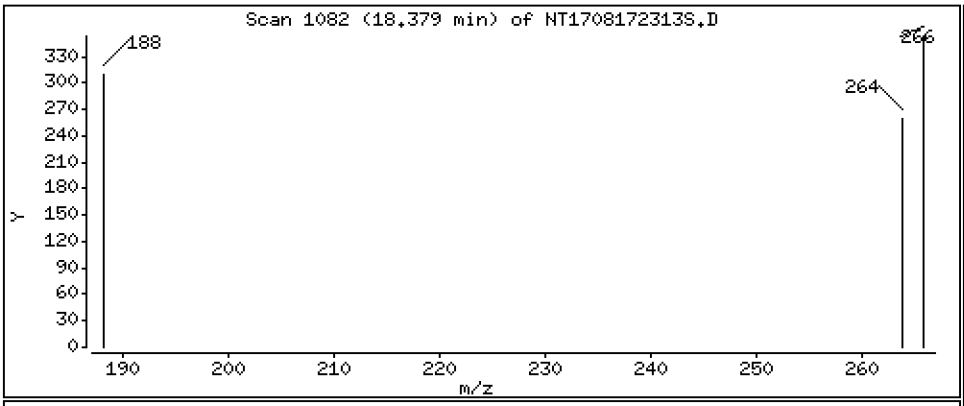
Operator: JGR

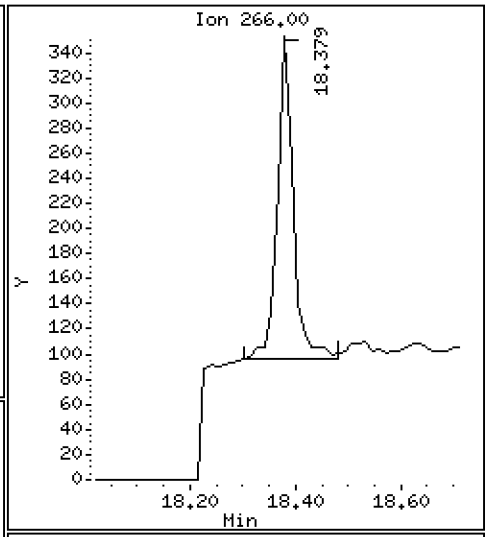
Column phase: ZB-5msi

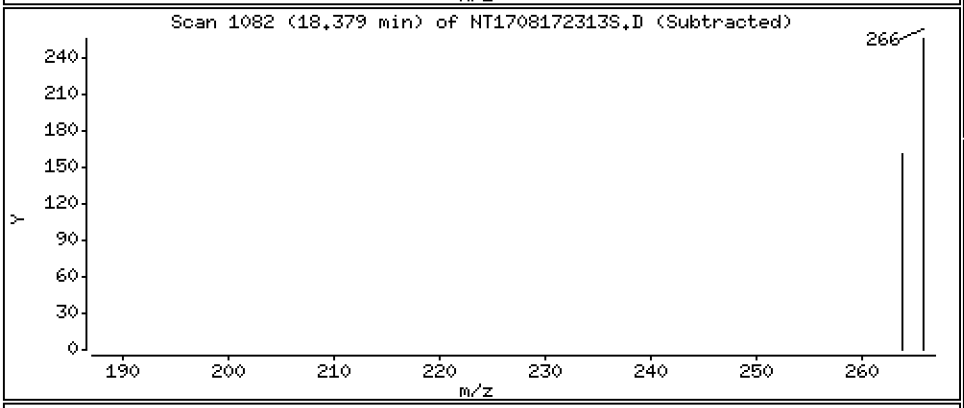
Column diameter: 0.25

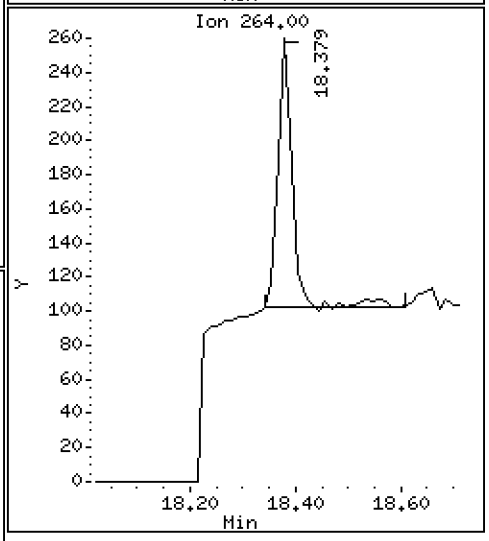
58 Pentachlorophenol

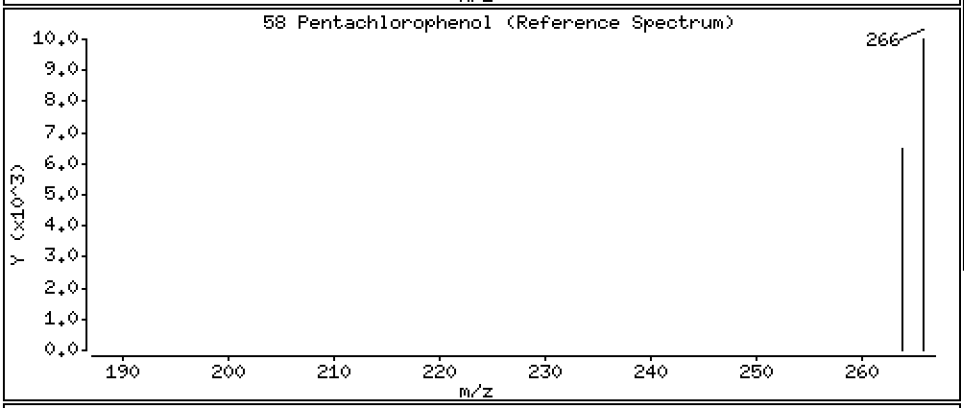
Concentration: 0.01854 ug/mL

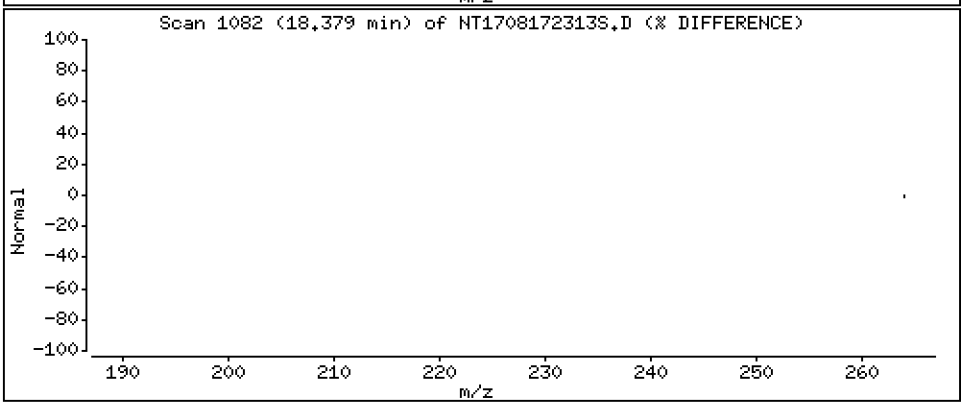












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172313S.D

Date : 18-AUG-2023 03:04

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-04

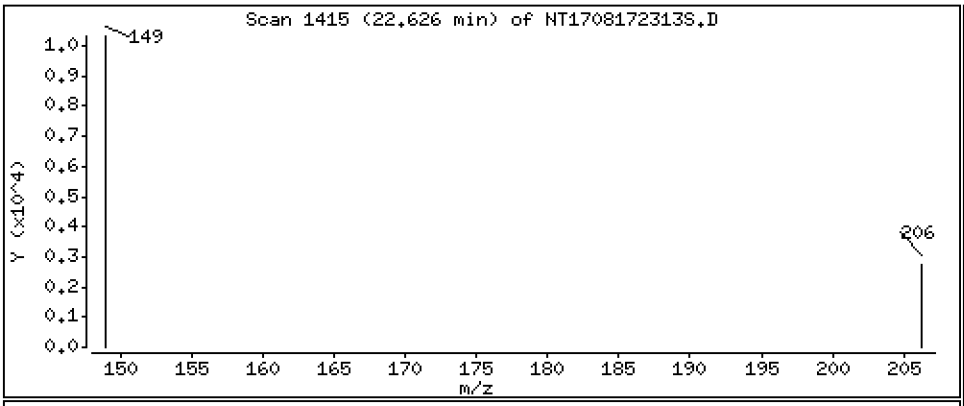
Operator: JGR

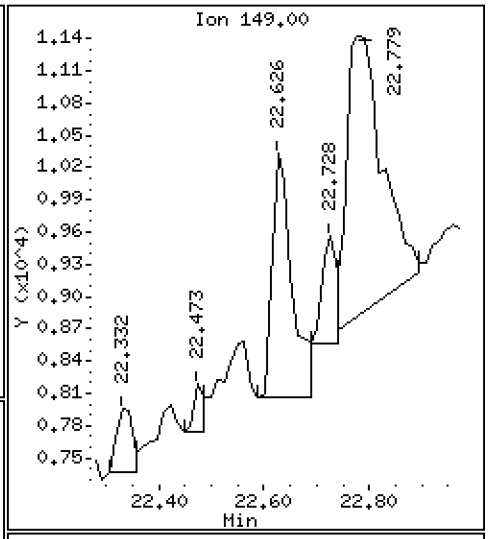
Column phase: ZB-5msi

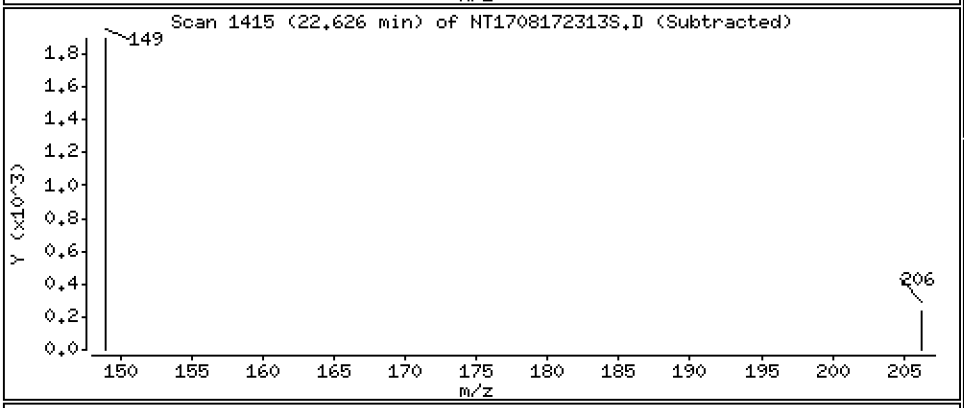
Column diameter: 0.25

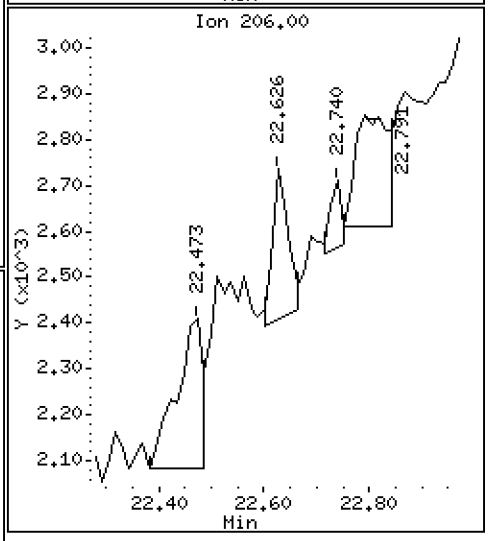
67 Butylbenzylphthalate

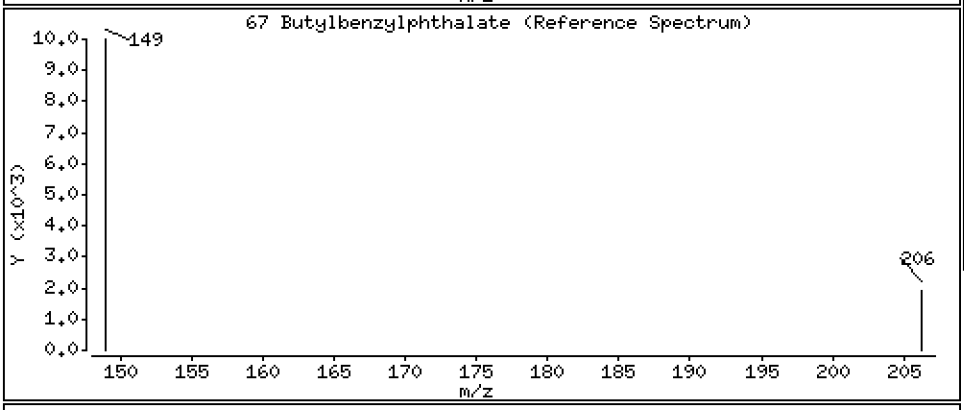
Concentration: 0.04224 ug/mL

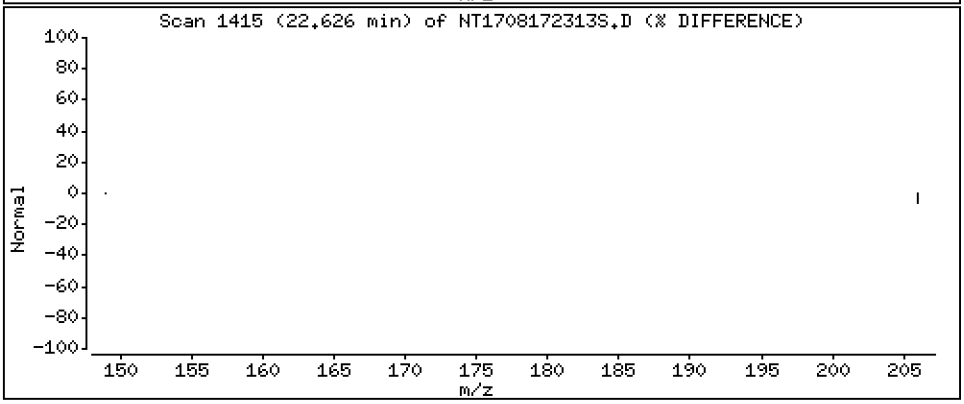












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Date : 18-AUG-2023 03:04

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-04

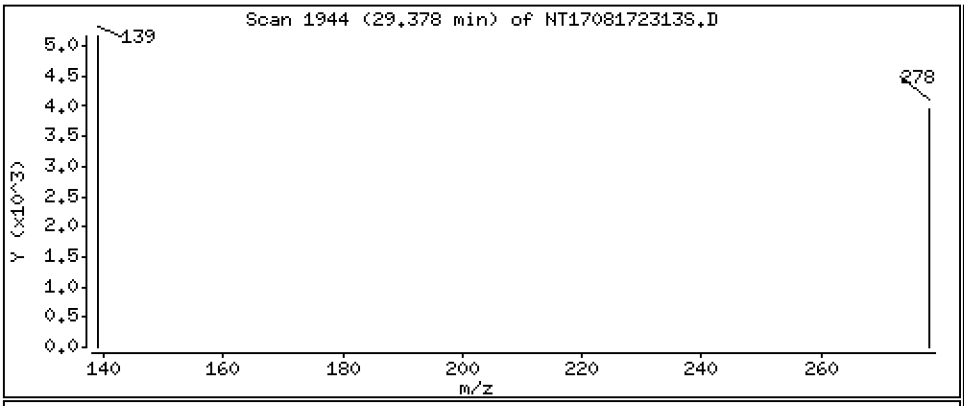
Operator: JGR

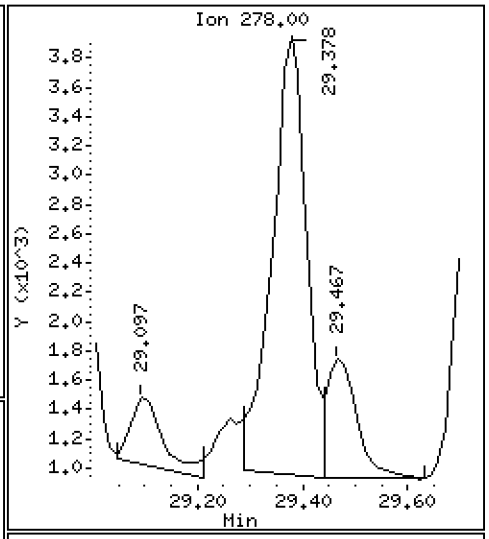
Column phase: ZB-5msi

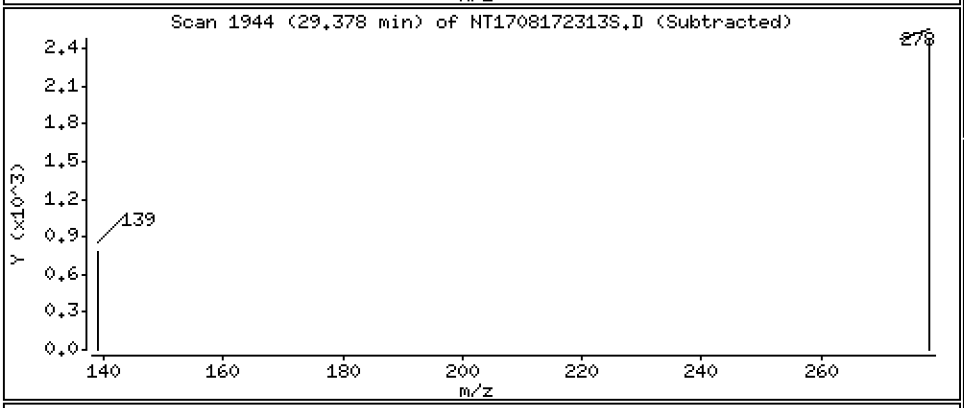
Column diameter: 0.25

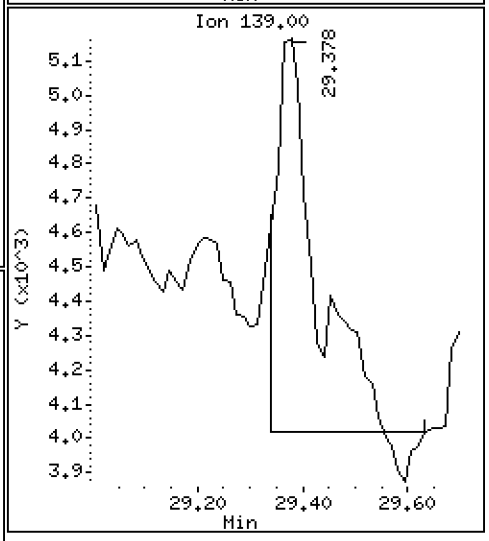
79 Dibenzo(a,h)anthracene

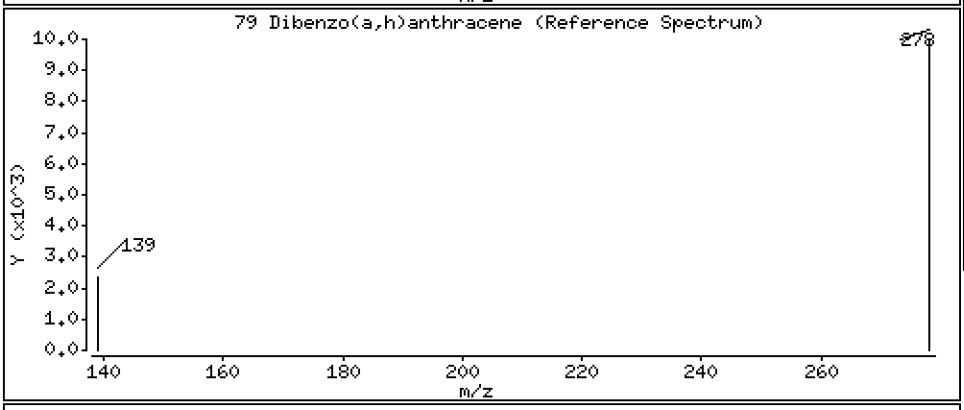
Concentration: 0.1272 ug/mL

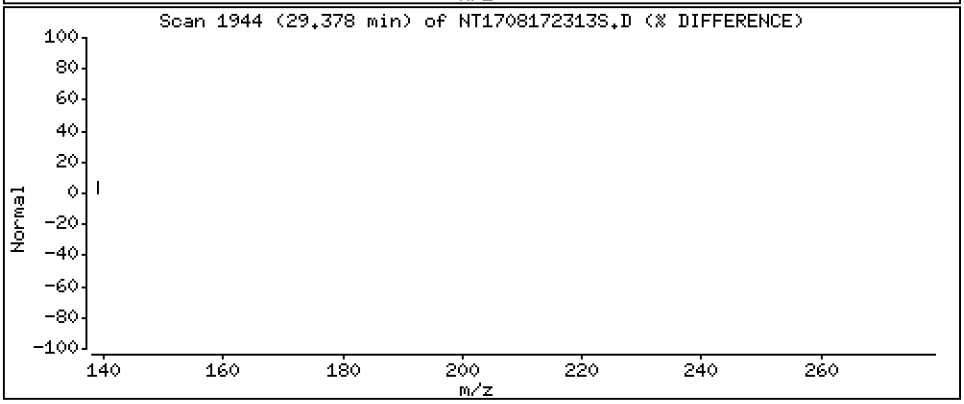












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172313S.D
Lab Smp Id: 23H0221-04
Inj Date : 18-AUG-2023 03:04
Operator : JGR Inst ID: nt17.i
Smp Info : 23H0221-04
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Meth Date : 19-Aug-2023 11:00 JoshuaR Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	7.311	7.285	(0.768)	788610	5.56116	5.561(R)
	3 Phenol	94	8.890	8.878	(0.934)	44900	0.20771	0.2077
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	9.515	9.515	(1.000)	341520	4.00000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	79	9.873	9.784	(1.038)	40075	0.26785	0.2678(H)
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	15 4-Methylphenol	108	10.269	10.256	(1.079)	4146	0.03026	0.03026
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	24 Benzoic acid	105	11.444	11.431	(0.954)	296026	3.16931	3.169
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	11.993	12.005	(1.000)	1405795	4.00000	
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	39 Dimethylphthalate	163	15.091	15.091	(0.967)	18963	0.09554	0.09554
*	42 Acenaphthene-d10	162	15.614	15.614	(1.000)	610708	4.00000	
	50 Diethylphthalate	149	16.544	16.545	(1.060)	48474	0.23487	0.2349
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	18.378	18.366	(0.986)	543	0.01854	0.01854
*	59 Phenanthrene-d10	188	18.646	18.646	(1.000)	916109	4.00000	
$	66 Terphenyl-d14	244	21.719	21.720	(0.919)	337714	4.37917	4.379(R)
	67 Butylbenzylphthalate	149	22.625	22.625	(0.957)	6247	0.04224	0.04224
*	69 Chrysene-d12	240	23.633	23.620	(1.000)	557285	4.00000	
*	77 Perylene-d12	264	26.439	26.414	(1.000)	374839	4.00000	
	79 Dibenzo(a,h)anthracene	278	29.377	29.352	(1.111)	14079	0.12716	0.1272
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708172313S.D
Lab Smp Id: 23H0221-04
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Misc Info:

Calibration Date: 17-AUG-2023
Calibration Time: 20:49
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	348452	174226	696904	341520	-1.99
27 Naphthalene-d8	1404170	702085	2808340	1405795	0.12
42 Acenaphthene-d10	619161	309581	1238322	610708	-1.37
59 Phenanthrene-d10	992768	496384	1985536	916109	-7.72
69 Chrysene-d12	642334	321167	1284668	557285	-13.24
77 Perylene-d12	573362	286681	1146724	374839	-34.62

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.52	9.02	10.02	9.52	-0.00
27 Naphthalene-d8	12.01	11.51	12.51	11.99	-0.11
42 Acenaphthene-d10	15.61	15.11	16.11	15.61	-0.00
59 Phenanthrene-d10	18.65	18.15	19.15	18.65	-0.00
69 Chrysene-d12	23.62	23.12	24.12	23.63	0.05
77 Perylene-d12	26.41	25.91	26.91	26.44	0.10

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

REVIEW SUMMARY FOR FILE - NT1708172313S.D

Lab ID: 23H0221-04
nt17.i, 20230817.b\SIM.b\SIMABN2.m,   18-AUG-2023 03:04

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
1.038	1.028	0.0094	Benzyl alcohol

RRT check based on Ccal File: SIM.b/NT1708172303S.D

On Column LOD for nt17.i, SIM.b\SIMABN2.m, PSDDA.sub = 0.0000

Exception: 1,2,4-Trichlorobenzene 0.0010

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

LDW23-SS1807

Form I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E-SIM

SIM SVOC Organics (Dual scan list)

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC5 MR Phase 1				
Matrix:	Sediment	Laboratory ID:	23H0221-05 B	SDG:	23H0221
Sampled:	04/11/23 15:05	Prepared:	08/14/23 09:29	File ID:	NT1708172314S.D
% Solids:	90.09	Preparation:	EPA 3546 (Microwave)	Analyzed:	08/18/23 03:41
Batch:	BLH0329	Sequence:	SLH0293	Initial/Final:	11.14 g Wet / 1 mL
Instrument:	NT17	Column:	ZB-5MS	Calibration:	GH00045
Cleanups:	GPC				

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
106-46-7	1,4-Dichlorobenzene	1	5.0	U	0.6	5.0
95-50-1	1,2-Dichlorobenzene	1	5.0	U	0.7	5.0
100-51-6	Benzyl Alcohol	1	12.2	J	2.5	19.9
65-85-0	Benzoic acid	1	22.3	J	13.4	99.6
105-67-9	2,4-Dimethylphenol	1	19.9	U	2.2	19.9
120-82-1	1,2,4-Trichlorobenzene	1	5.0	U	2.7	5.0
86-30-6	N-Nitrosodiphenylamine	1	5.0	U	1.3	5.0
87-86-5	Pentachlorophenol	1	19.9	U	2.1	19.9

SURROGATES	ADDED: (ug/kg dry)	FOUND: (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorophenol	747.31	506	67.7	27 - 120	
p-Terphenyl-d14	498.21	500	100	37 - 120	Q

Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT17081723145.D

Date : 18-AUG-2023 03:41

Client ID:

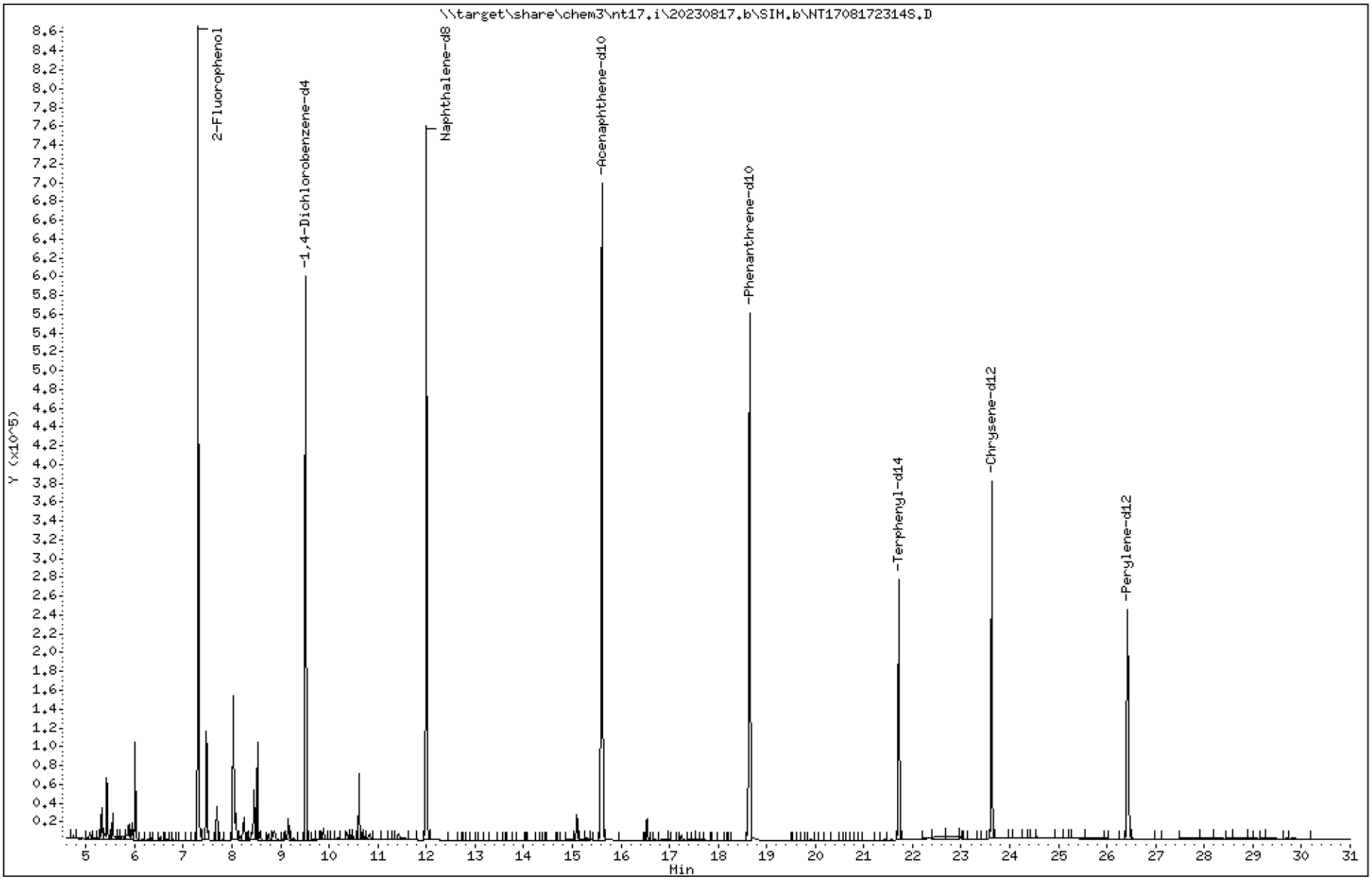
Sample Info: 23H0221-05

Instrument: nt17.i

Operator: JGR

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 18-AUG-2023 03:41

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-05

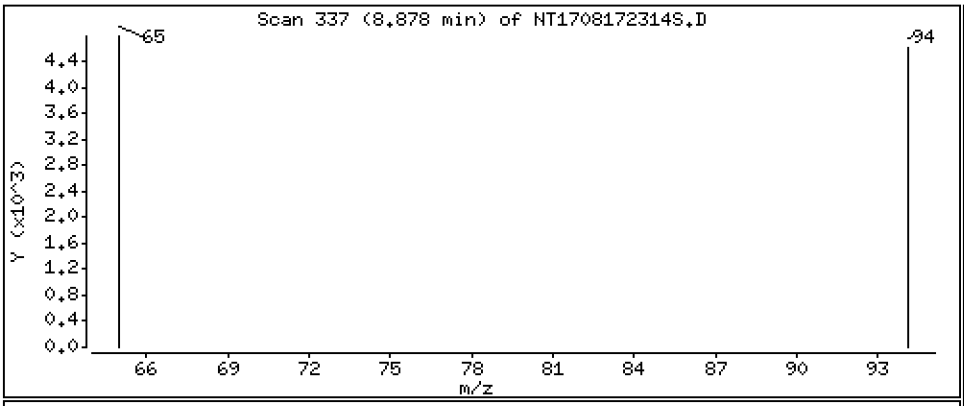
Operator: JGR

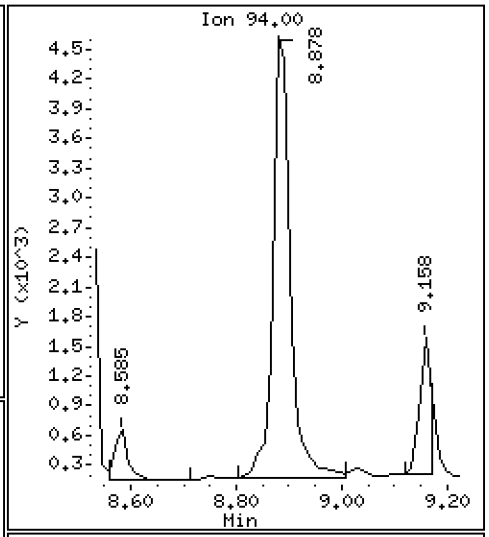
Column phase: ZB-5msi

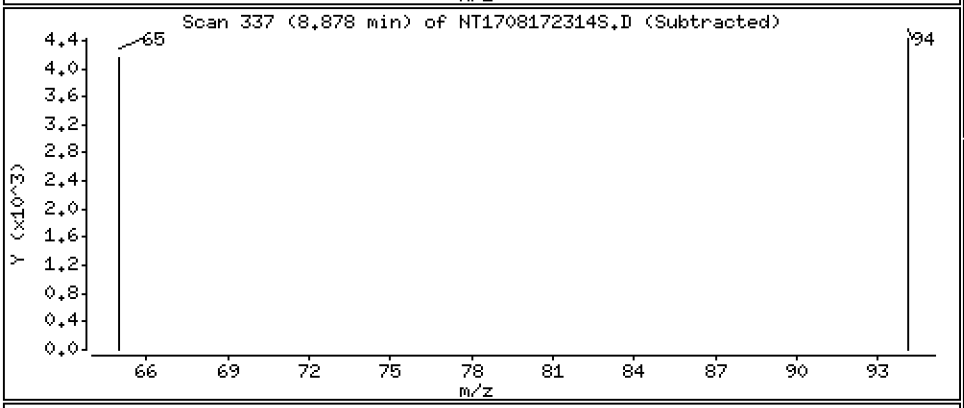
Column diameter: 0.25

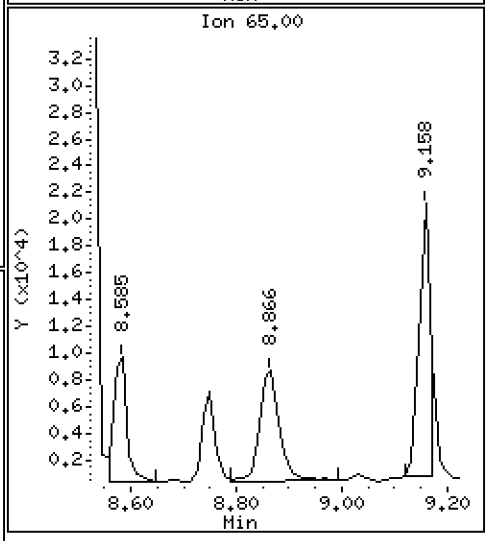
3 Phenol

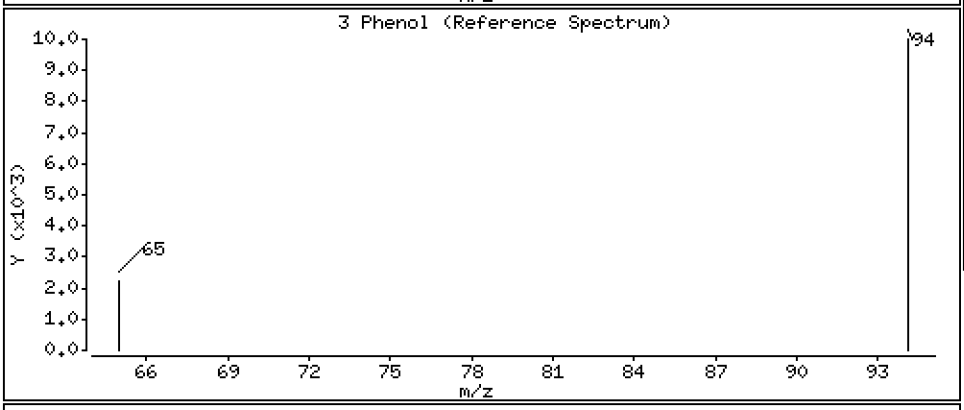
Concentration: 0.04536 ug/mL

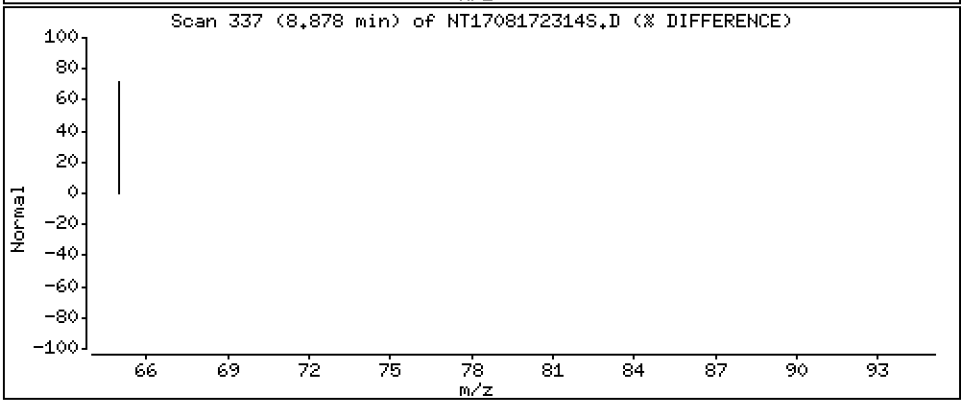












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Date : 18-AUG-2023 03:41

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-05

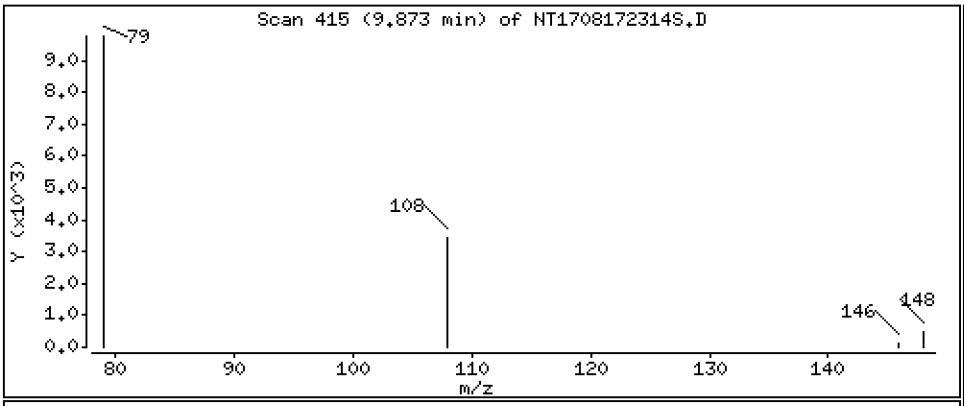
Operator: JGR

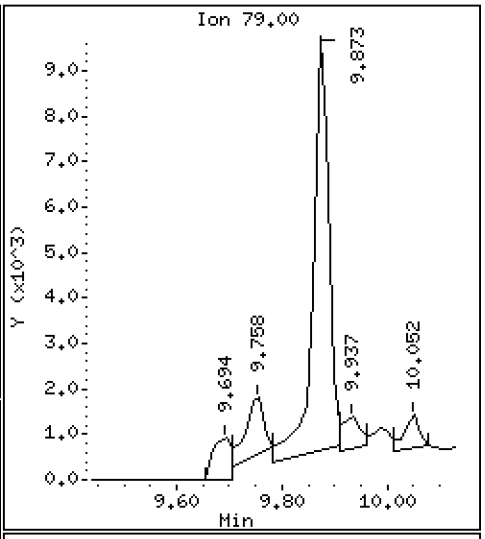
Column phase: ZB-5msi

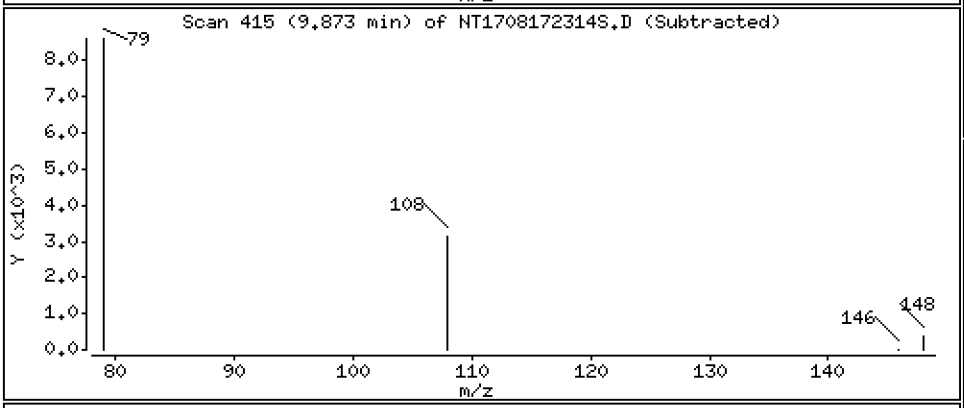
Column diameter: 0.25

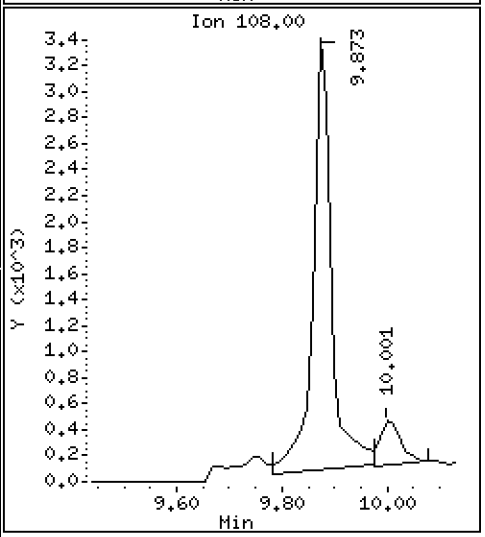
11 Benzyl alcohol

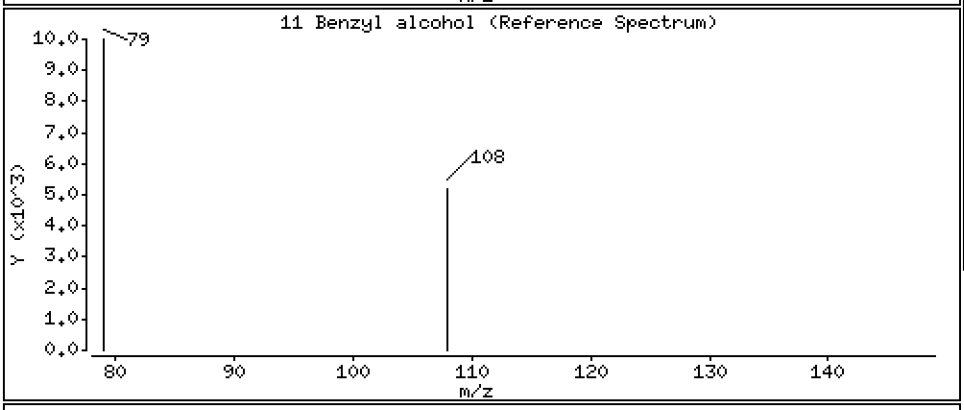
Concentration: 0.1220 ug/mL

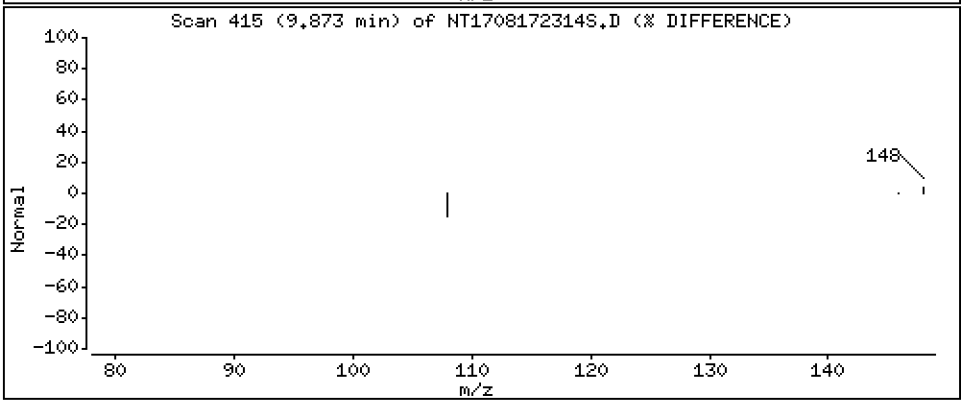












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Date : 18-AUG-2023 03:41

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-05

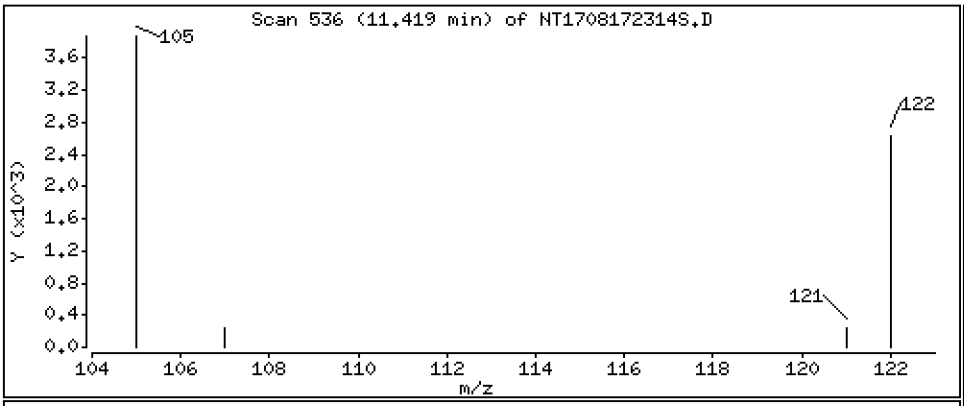
Operator: JGR

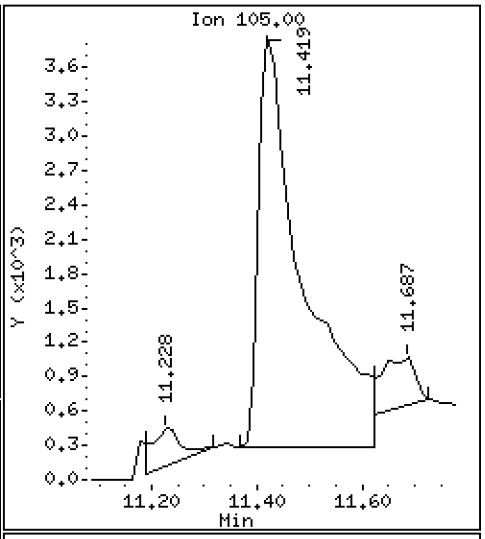
Column phase: ZB-5msi

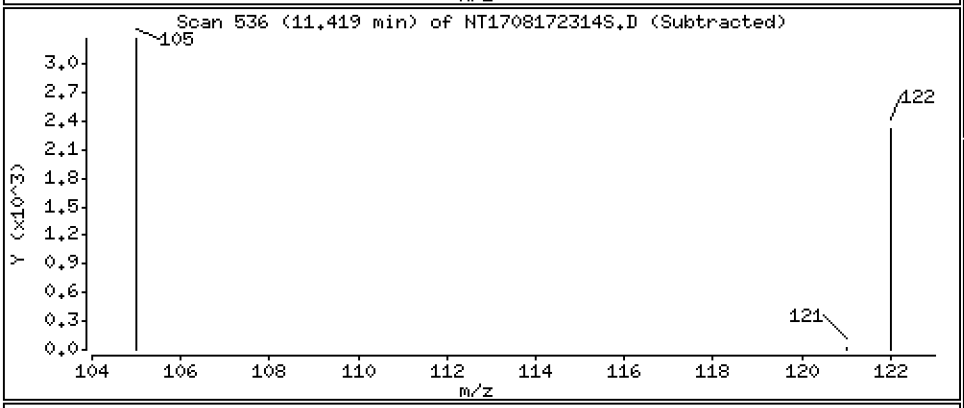
Column diameter: 0.25

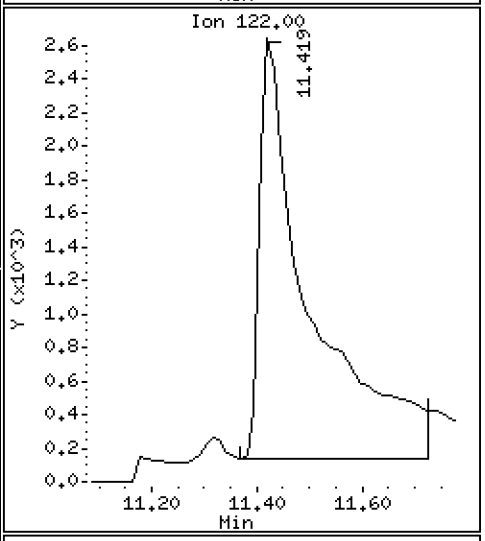
24 Benzoic acid

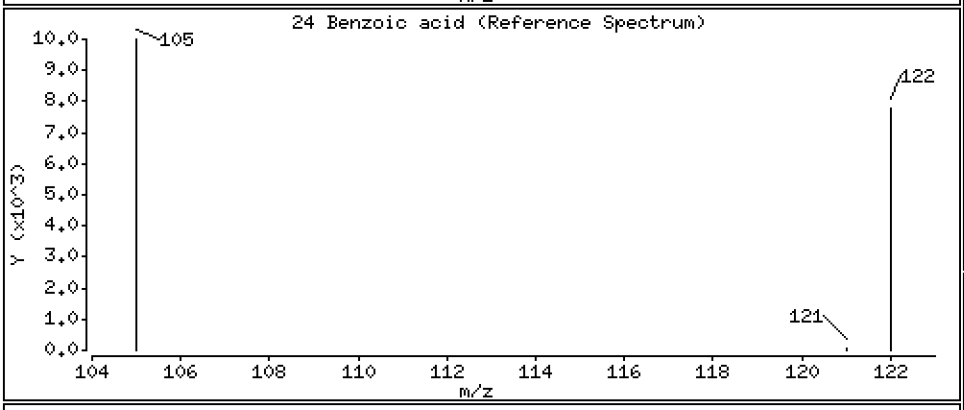
Concentration: 0.2236 ug/mL

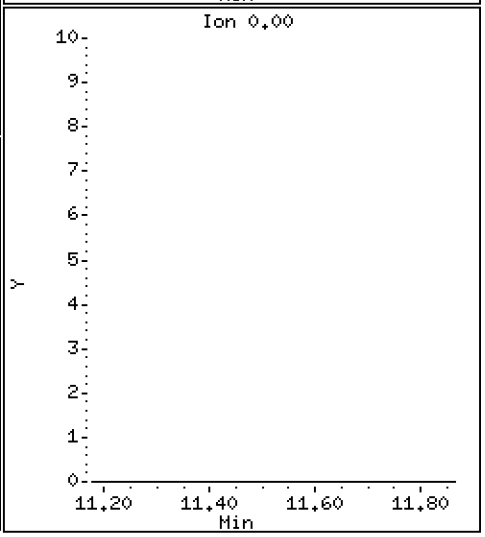


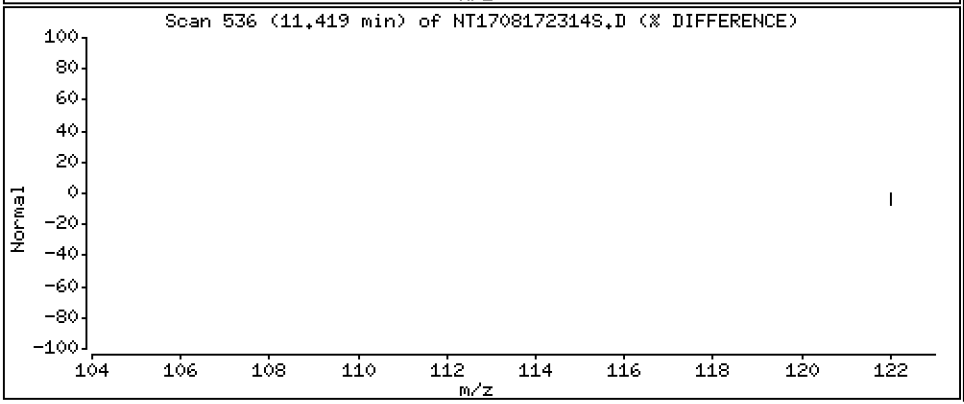












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Date : 18-AUG-2023 03:41

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-05

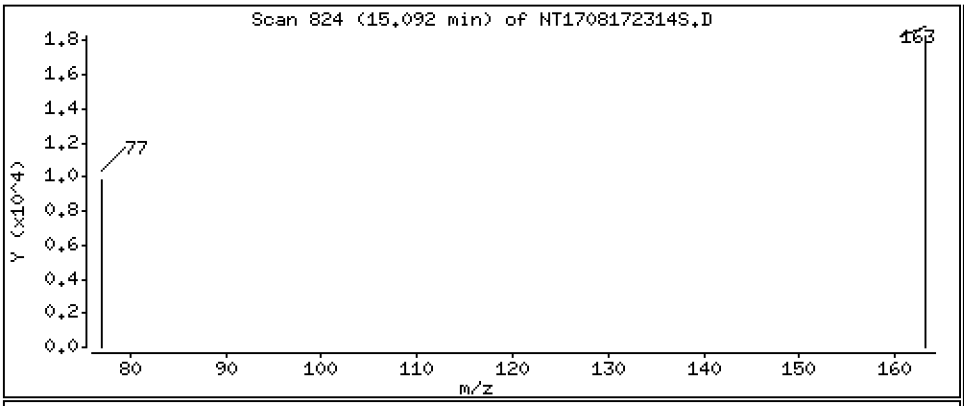
Operator: JGR

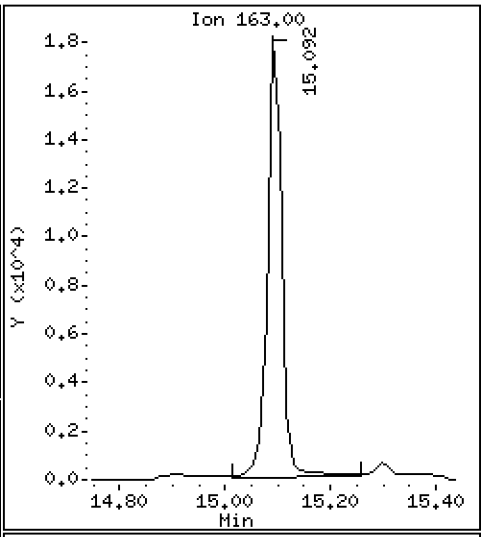
Column phase: ZB-5msi

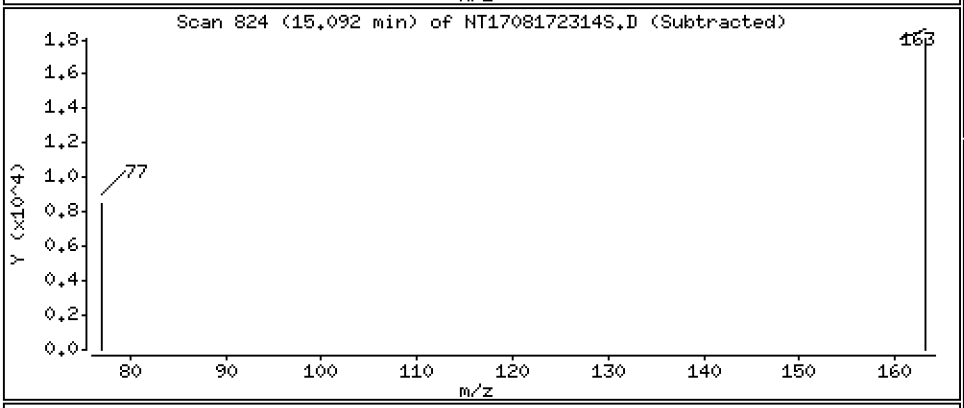
Column diameter: 0.25

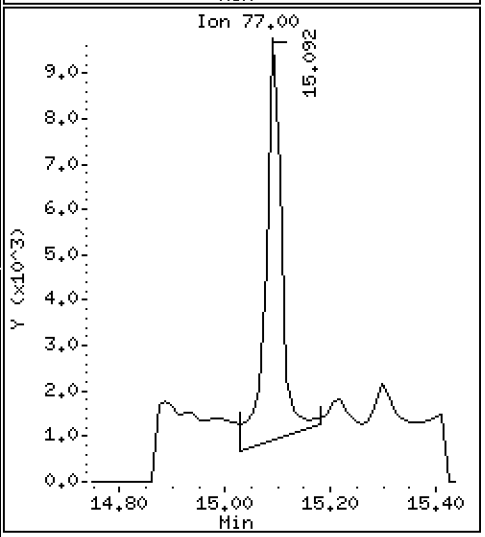
39 Dimethylphthalate

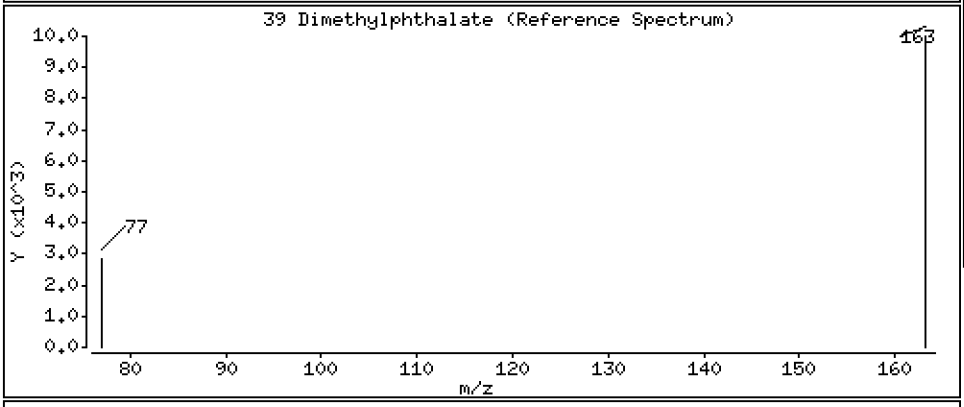
Concentration: 0.1687 ug/mL

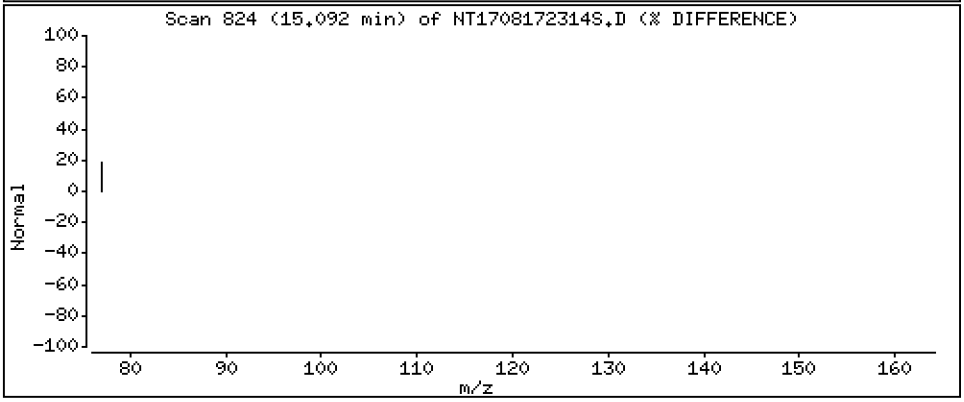












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Date : 18-AUG-2023 03:41

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-05

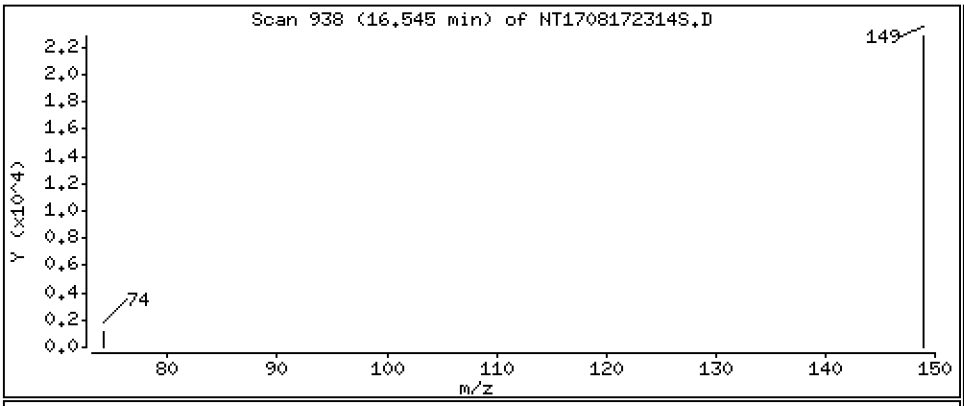
Operator: JGR

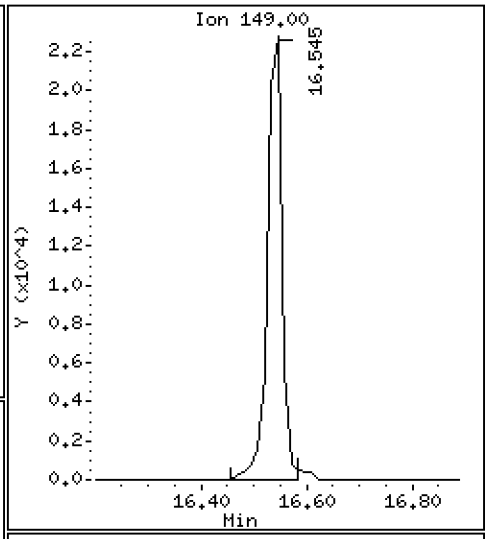
Column phase: ZB-5msi

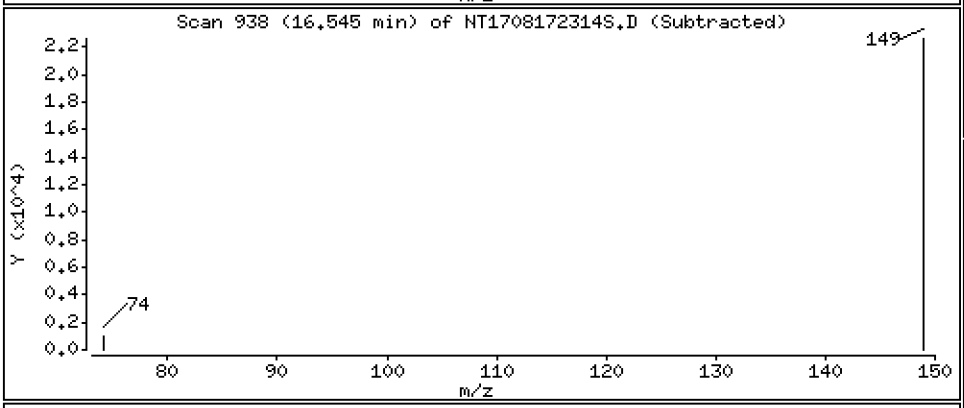
Column diameter: 0.25

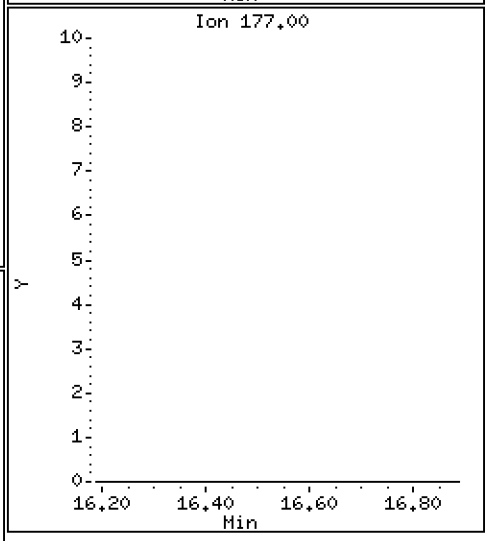
50 Diethylphthalate

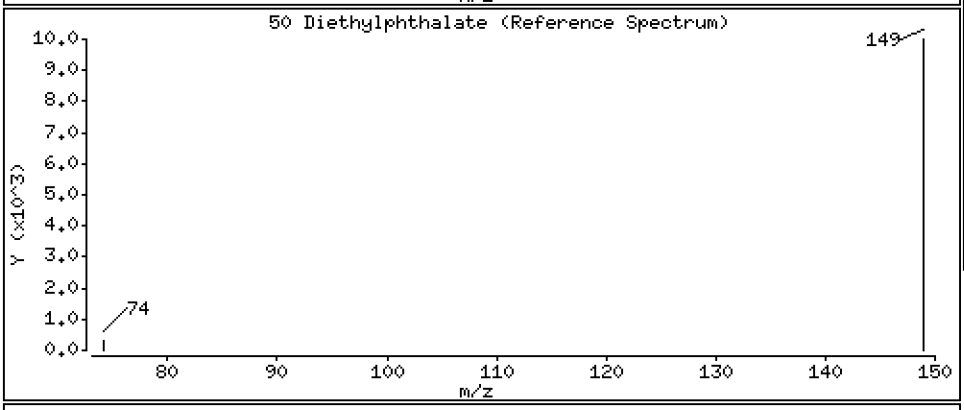
Concentration: 0.2089 ug/mL

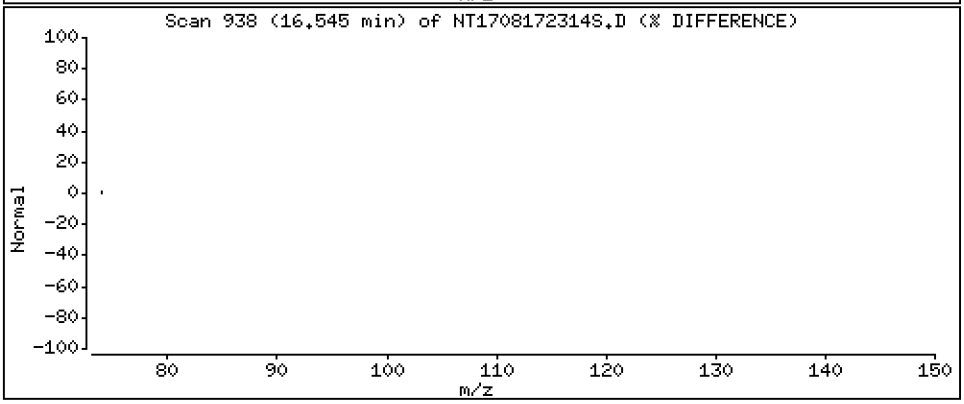












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Date : 18-AUG-2023 03:41

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-05

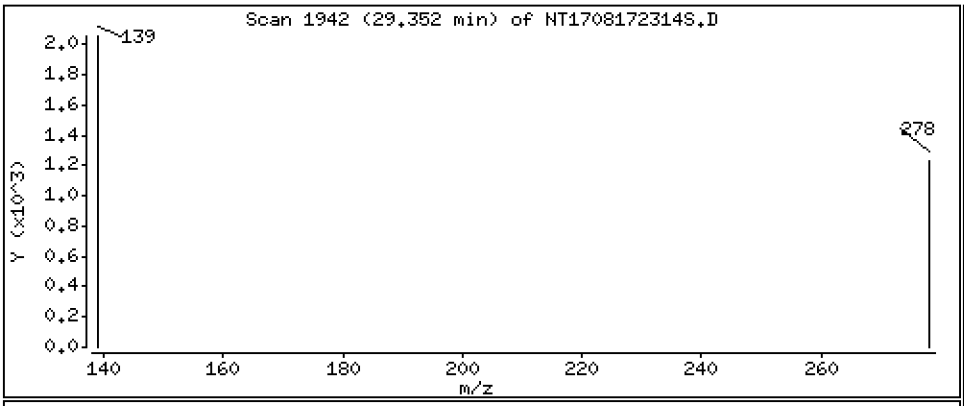
Operator: JGR

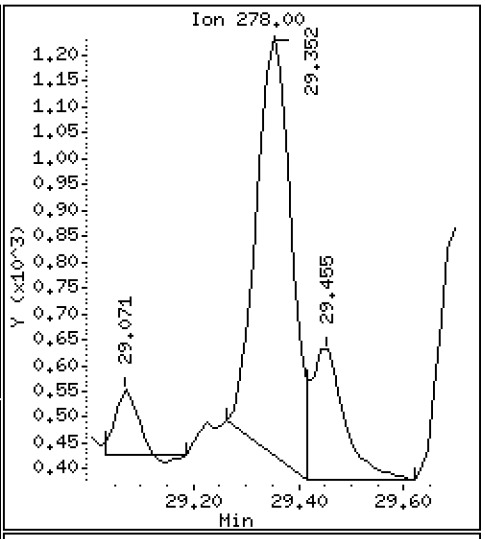
Column phase: ZB-5msi

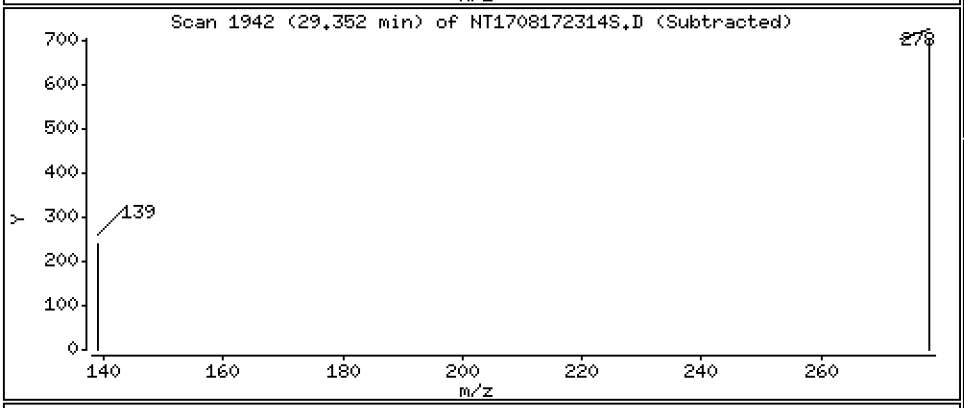
Column diameter: 0.25

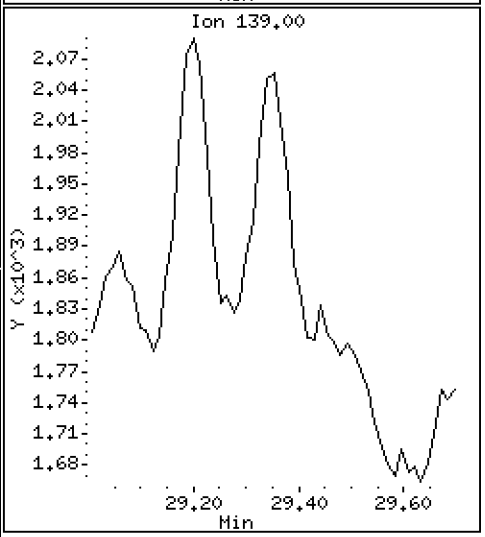
79 Dibenzo(a,h)anthracene

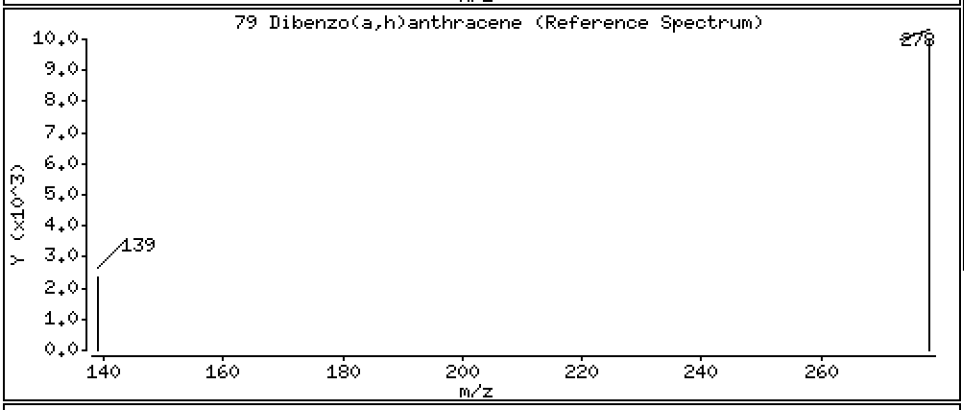
Concentration: 0.02617 ug/mL

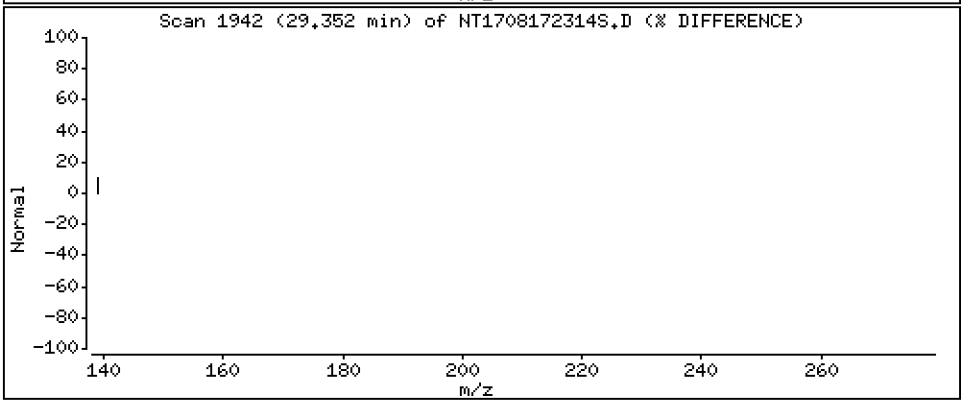












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172314S.D
Lab Smp Id: 23H0221-05
Inj Date : 18-AUG-2023 03:41
Operator : JGR Inst ID: nt17.i
Smp Info : 23H0221-05
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Meth Date : 19-Aug-2023 11:00 JoshuaR Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
$	1	2-Fluorophenol	112	7.298	7.285	(0.767)	759121	5.07782	5.078(R)
	3	Phenol	94	8.878	8.878	(0.933)	10338	0.04536	0.04536
	7	1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8	1,4-Dichlorobenzene-d4	152	9.515	9.515	(1.000)	360042	4.00000	
	9	1,4-Dichlorobenzene	146	Compound Not Detected.					
	11	Benzyl alcohol	79	9.873	9.784	(1.038)	19238	0.12196	0.1220(H)
	12	1,2-Dichlorobenzene	146	Compound Not Detected.					
	13	2-Methylphenol	108	Compound Not Detected.					
	15	4-Methylphenol	108	Compound Not Detected.					
	16	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	22	2,4-Dimethylphenol	107	Compound Not Detected.					
	24	Benzoic acid	105	11.419	11.431	(0.951)	21502	0.22364	0.2236
	26	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27	Naphthalene-d8	136	12.005	12.005	(1.000)	1466150	4.00000	
	30	Hexachlorobutadiene	225	Compound Not Detected.					
	39	Dimethylphthalate	163	15.091	15.091	(0.967)	34755	0.16872	0.1687
*	42	Acenaphthene-d10	162	15.614	15.614	(1.000)	633783	4.00000	
	50	Diethylphthalate	149	16.545	16.545	(1.060)	44737	0.20887	0.2089
	54	N-Nitrosodiphenylamine	169	Compound Not Detected.					
	57	Hexachlorobenzene	284	Compound Not Detected.					
	58	Pentachlorophenol	266	Compound Not Detected.					
*	59	Phenanthrene-d10	188	18.646	18.646	(1.000)	984341	4.00000	
$	66	Terphenyl-d14	244	21.719	21.720	(0.920)	363802	5.02238	5.022(R)
	67	Butylbenzylphthalate	149	Compound Not Detected.					
*	69	Chrysene-d12	240	23.620	23.620	(1.000)	523450	4.00000	
*	77	Perylene-d12	264	26.427	26.414	(1.000)	487765	4.00000	
	79	Dibenzo(a,h)anthracene	278	29.352	29.352	(1.111)	3771	0.02617	0.02617
	90	N-Nitrosodimethylamine	74	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708172314S.D
Lab Smp Id: 23H0221-05
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Misc Info:

Calibration Date: 17-AUG-2023
Calibration Time: 20:49
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	348452	174226	696904	360042	3.33
27 Naphthalene-d8	1404170	702085	2808340	1466150	4.41
42 Acenaphthene-d10	619161	309581	1238322	633783	2.36
59 Phenanthrene-d10	992768	496384	1985536	984341	-0.85
69 Chrysene-d12	642334	321167	1284668	523450	-18.51
77 Perylene-d12	573362	286681	1146724	487765	-14.93

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.52	9.02	10.02	9.52	-0.00
27 Naphthalene-d8	12.01	11.51	12.51	12.01	-0.00
42 Acenaphthene-d10	15.61	15.11	16.11	15.61	-0.00
59 Phenanthrene-d10	18.65	18.15	19.15	18.65	-0.00
69 Chrysene-d12	23.62	23.12	24.12	23.62	-0.00
77 Perylene-d12	26.41	25.91	26.91	26.43	0.05

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

REVIEW SUMMARY FOR FILE - NT1708172314S.D

Lab ID: 23H0221-05
nt17.i, 20230817.b\SIM.b\SIMABN2.m,   18-AUG-2023 03:41

RT	CO-ELUTION COMPOUNDS
NO CO-ELUTIONS	

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
1.038	1.028	0.0094	Benzyl alcohol

RRT check based on Ccal File: SIM.b/NT1708172303S.D

On Column LOD for nt17.i, SIM.b\SIMABN2.m, PSDDA.sub = 0.0000

Exception: 1,2,4-Trichlorobenzene 0.0010

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

LDW23-SS1055

Form I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E-SIM

SIM SVOC Organics (Dual scan list)

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC5 MR Phase 1				
Matrix:	Sediment	Laboratory ID:	23H0221-06 B	SDG:	23H0221
Sampled:	04/11/23 15:30	Prepared:	08/14/23 09:29	File ID:	NT1708172315S.D
% Solids:	75.60	Preparation:	EPA 3546 (Microwave)	Analyzed:	08/18/23 04:19
Batch:	BLH0329	Sequence:	SLH0293	Initial/Final:	13.31 g Wet / 1 mL
Instrument:	NT17	Column:	ZB-5MS	Calibration:	GH00045
Cleanups:	GPC				

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
106-46-7	1,4-Dichlorobenzene	1	5.0	U	0.6	5.0
95-50-1	1,2-Dichlorobenzene	1	5.0	U	0.7	5.0
100-51-6	Benzyl Alcohol	1	98.4		2.5	19.9
65-85-0	Benzoic acid	1	160		13.3	99.4
105-67-9	2,4-Dimethylphenol	1	19.9	U	2.2	19.9
120-82-1	1,2,4-Trichlorobenzene	1	5.0	U	2.7	5.0
86-30-6	N-Nitrosodiphenylamine	1	3.6	J	1.3	5.0
87-86-5	Pentachlorophenol	1	19.9	U	2.1	19.9

SURROGATES	ADDED: (ug/kg dry)	FOUND: (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorophenol	745.35	529	71.0	27 - 120	
p-Terphenyl-d14	496.90	476	95.9	37 - 120	Q

Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT17081723155.D

Date : 18-AUG-2023 04:19

Client ID:

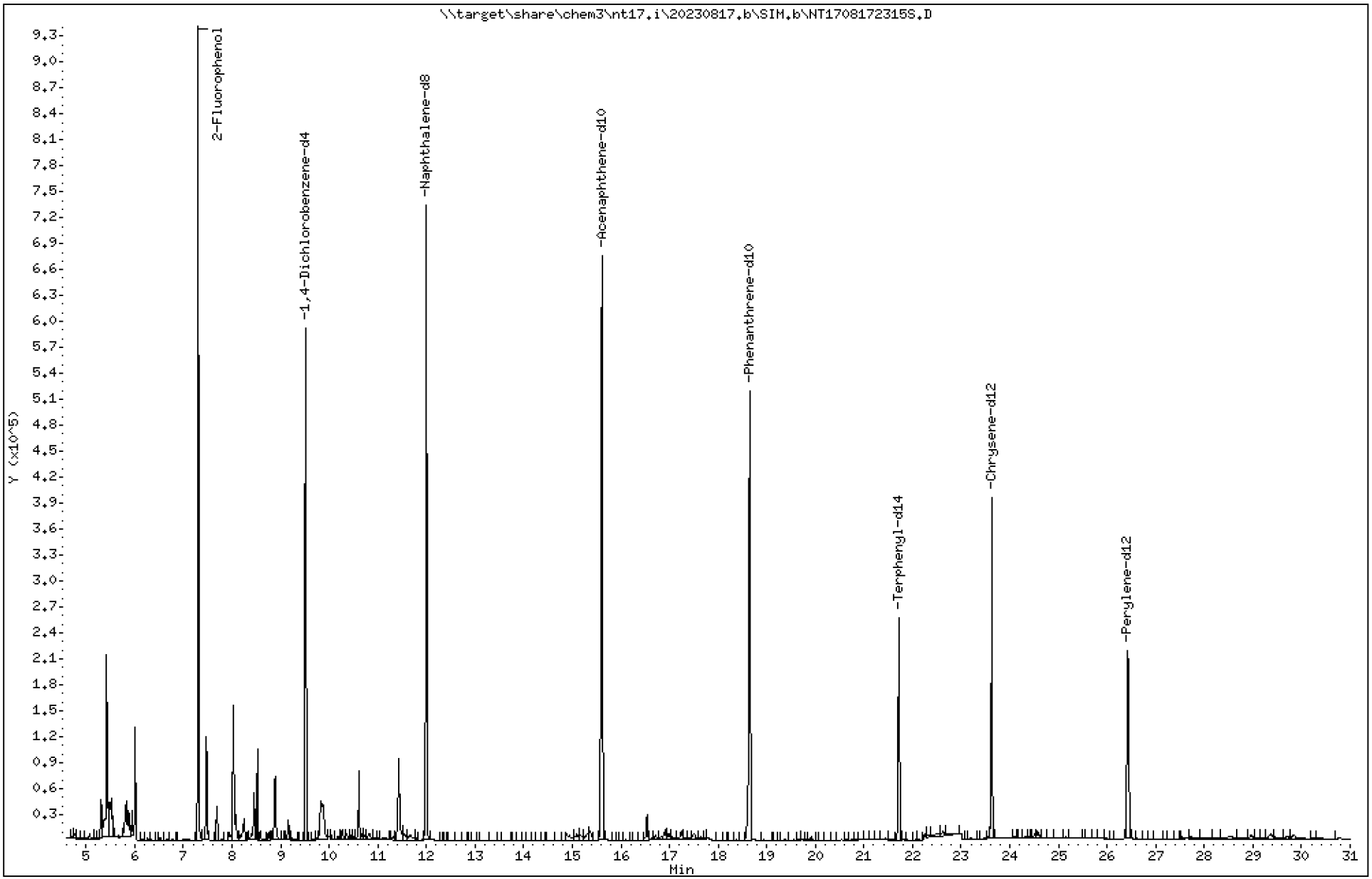
Instrument: nt17.i

Sample Info: 23H0221-06

Operator: JGR

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 18-AUG-2023 04:19

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-06

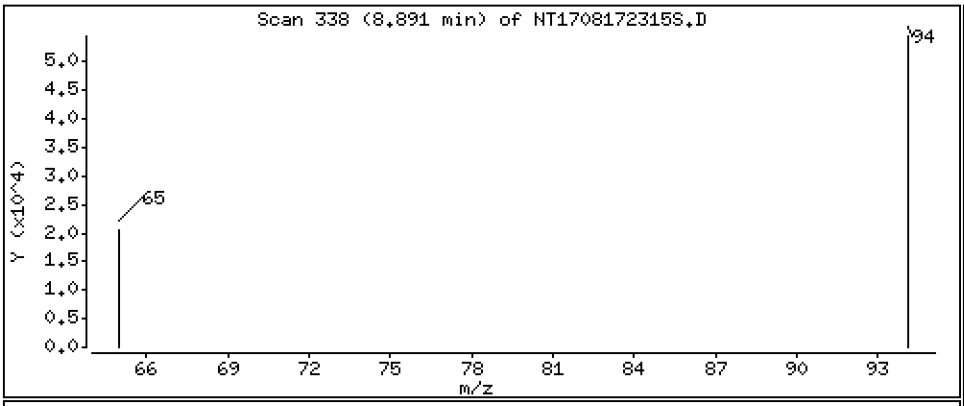
Operator: JGR

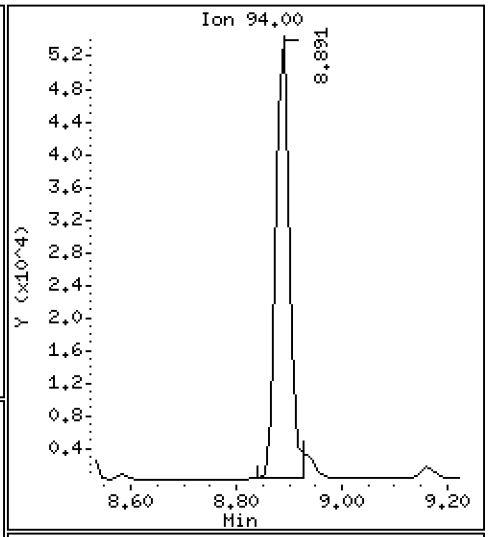
Column phase: ZB-5msi

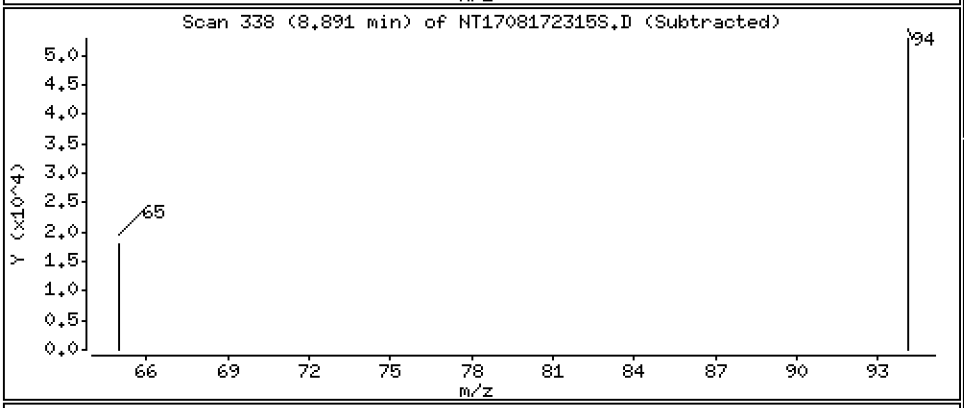
Column diameter: 0.25

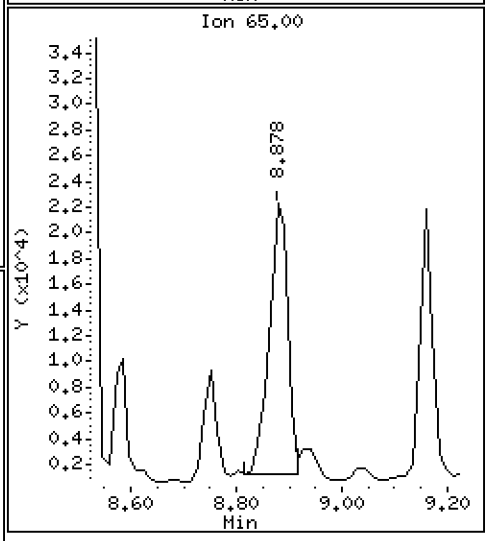
3 Phenol

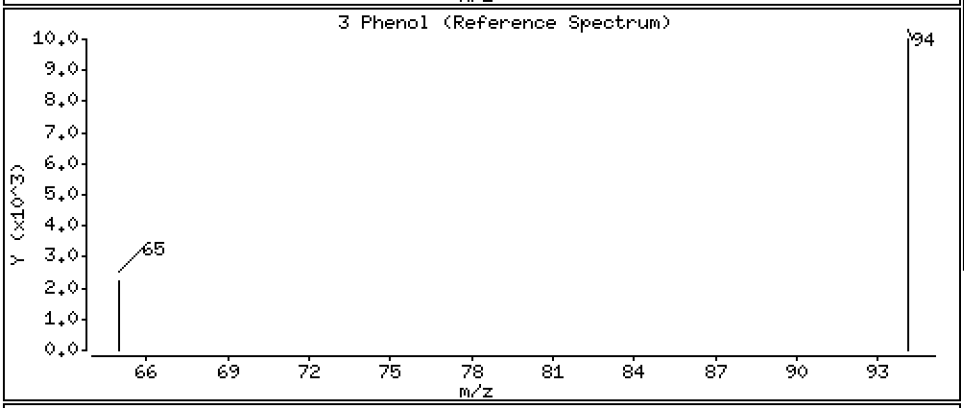
Concentration: 0.4410 ug/mL

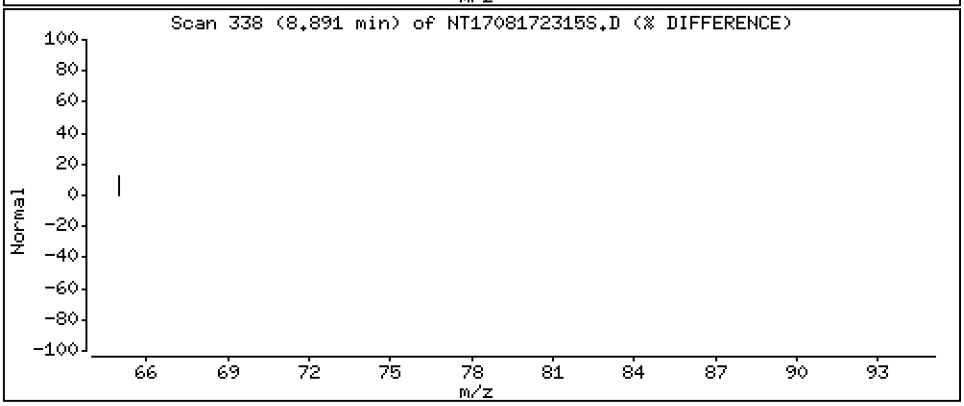












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Date : 18-AUG-2023 04:19

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-06

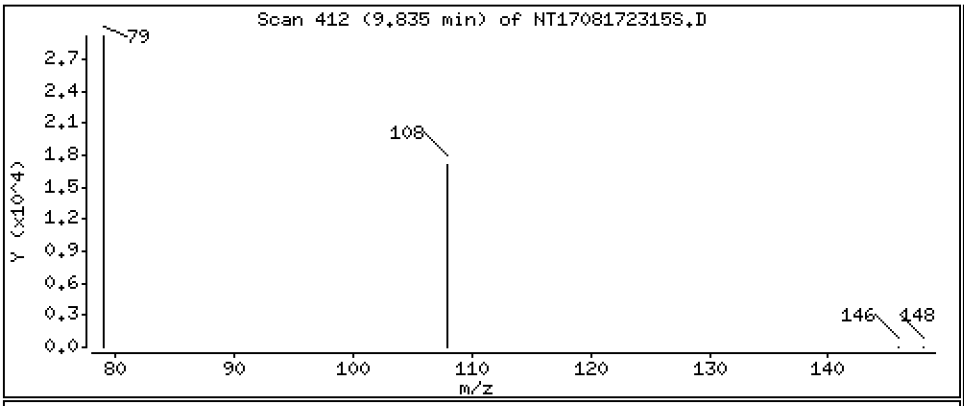
Operator: JGR

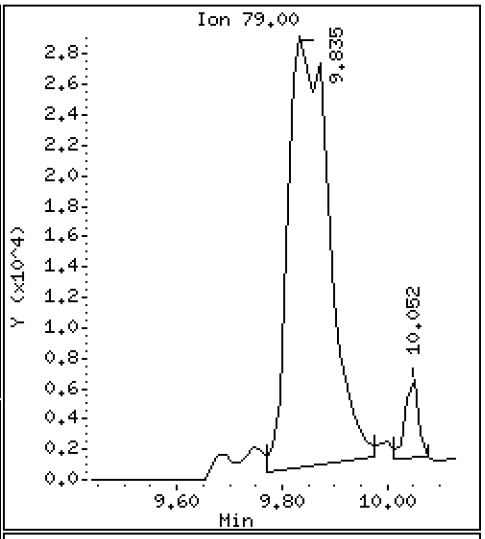
Column phase: ZB-5msi

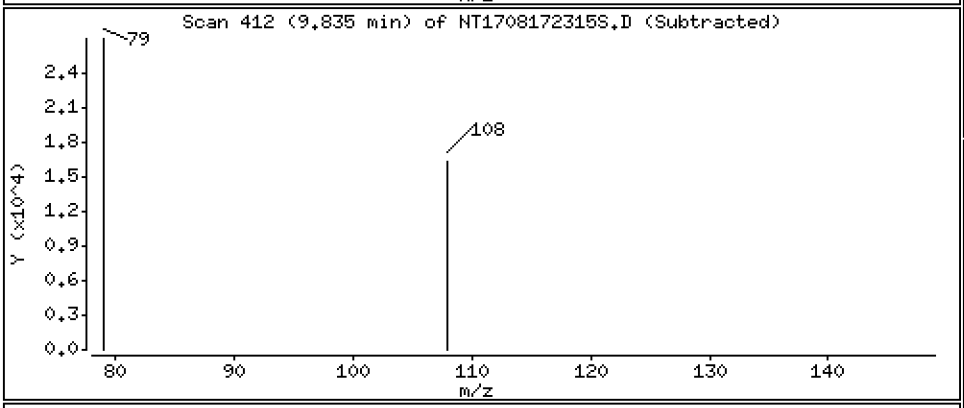
Column diameter: 0.25

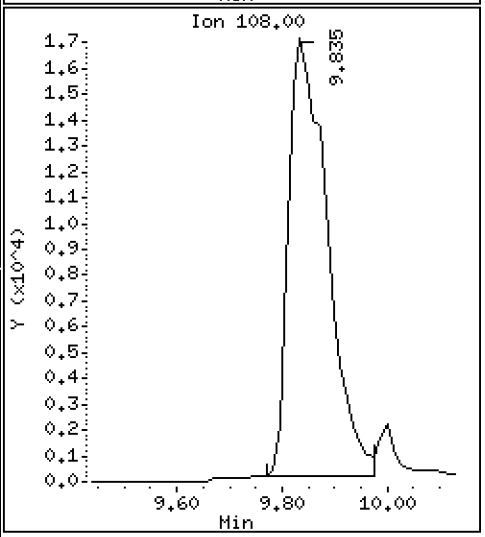
11 Benzyl alcohol

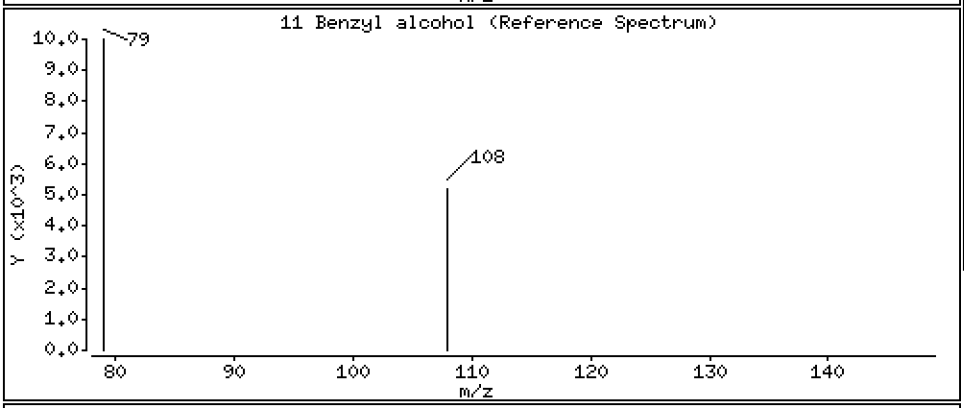
Concentration: 0.9903 ug/mL

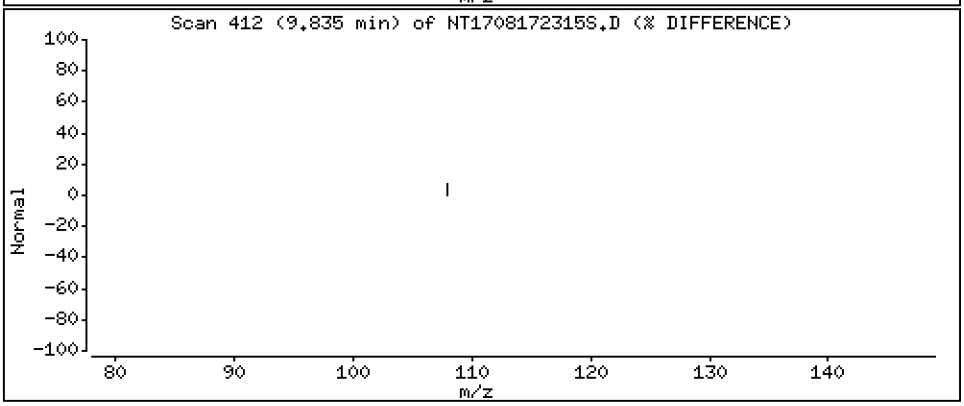












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Date : 18-AUG-2023 04:19

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-06

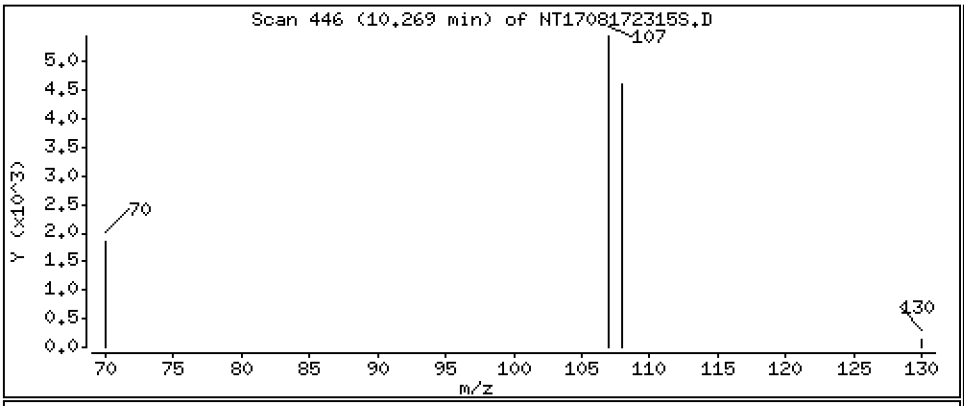
Operator: JGR

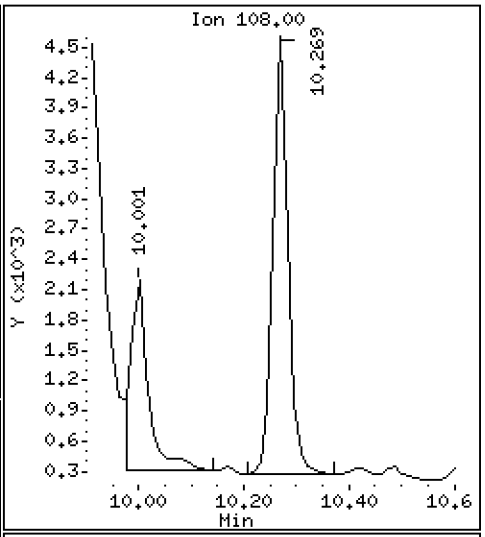
Column phase: ZB-5msi

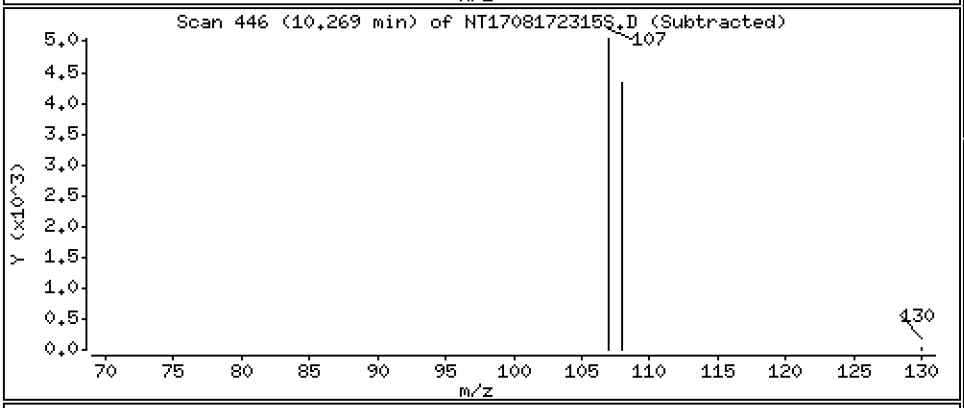
Column diameter: 0.25

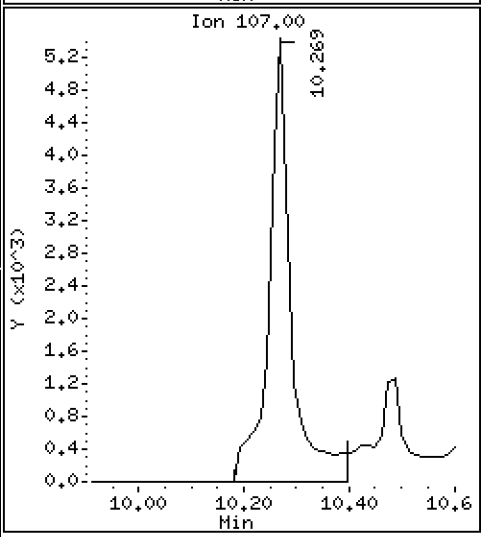
15 4-Methylphenol

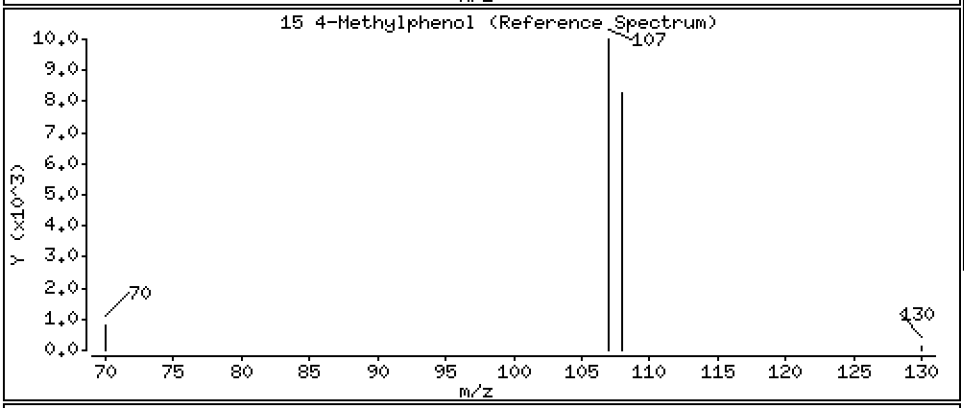
Concentration: 0.06117 ug/mL

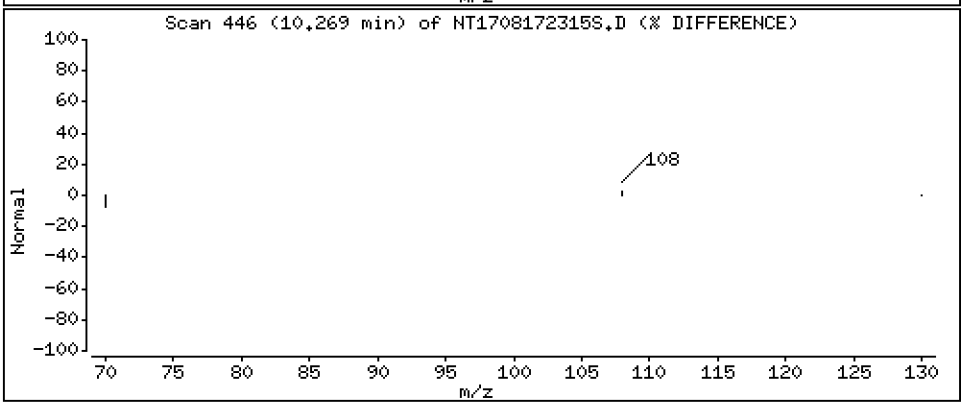












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Date : 18-AUG-2023 04:19

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-06

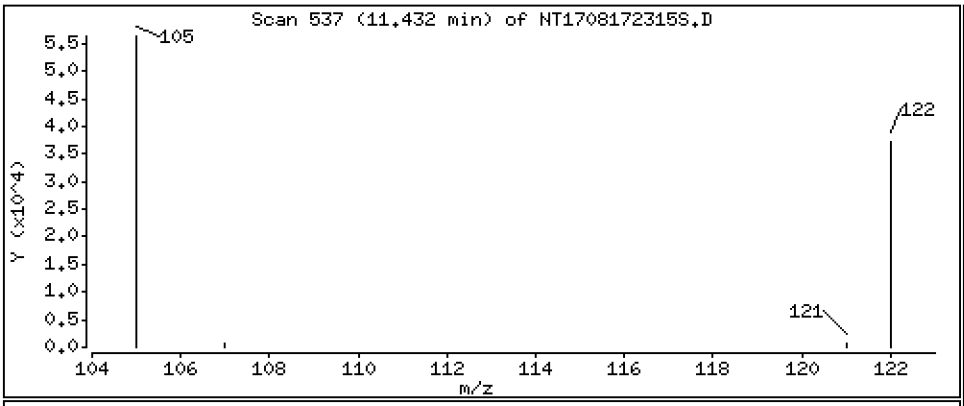
Operator: JGR

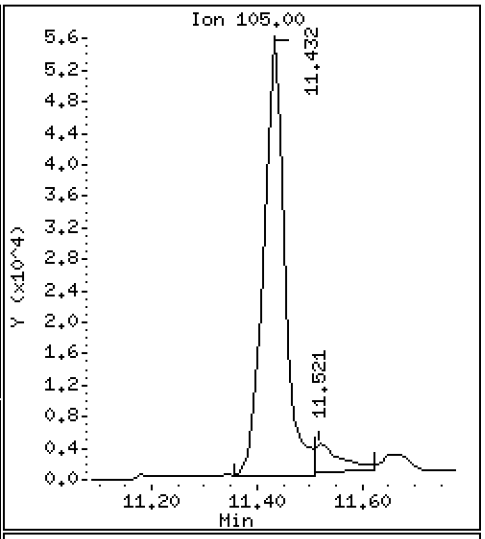
Column phase: ZB-5msi

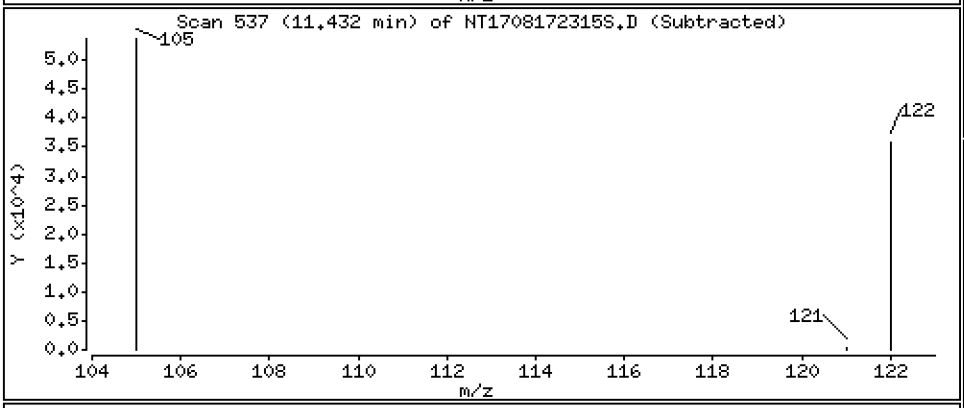
Column diameter: 0.25

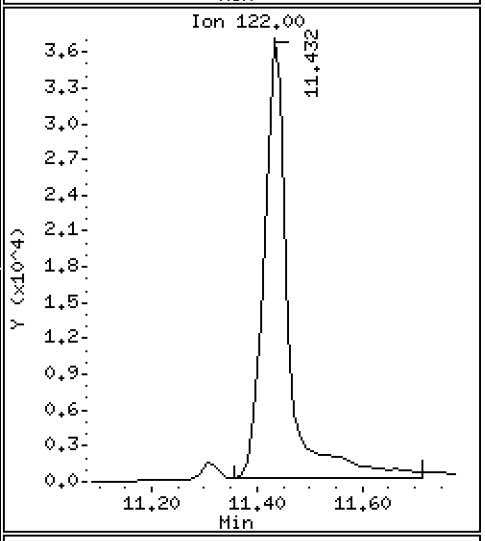
24 Benzoic acid

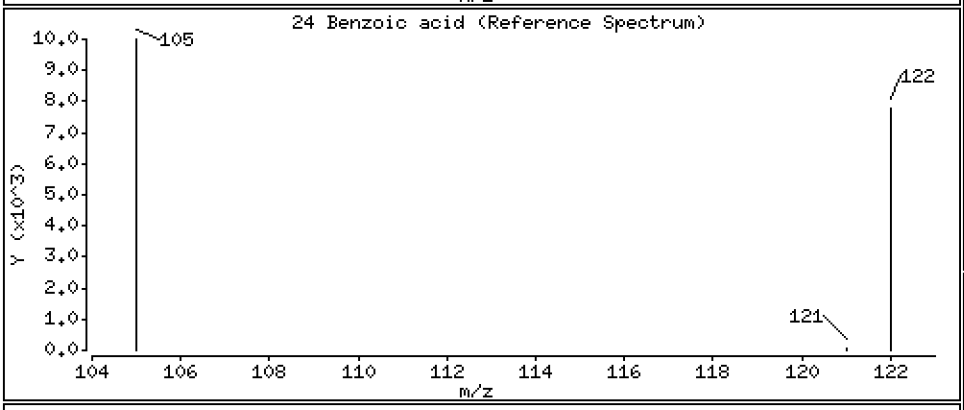
Concentration: 1.613 ug/mL

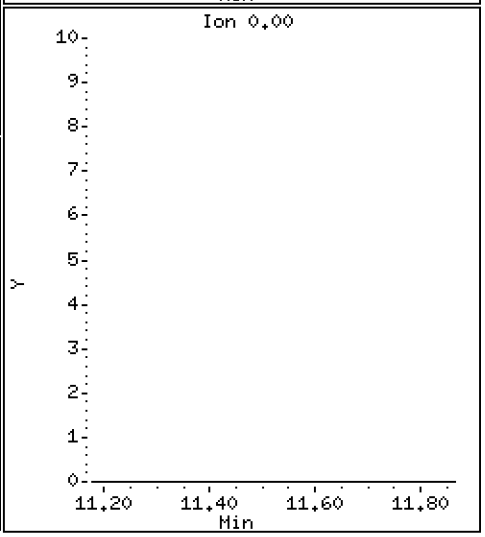


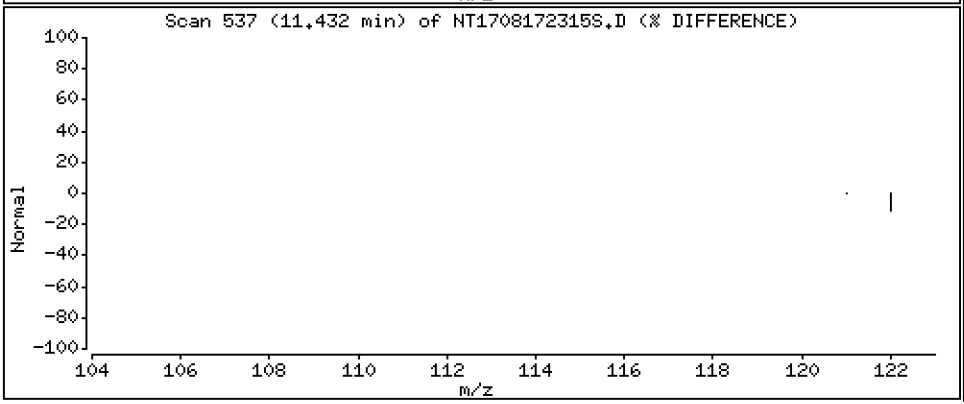












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Date : 18-AUG-2023 04:19

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-06

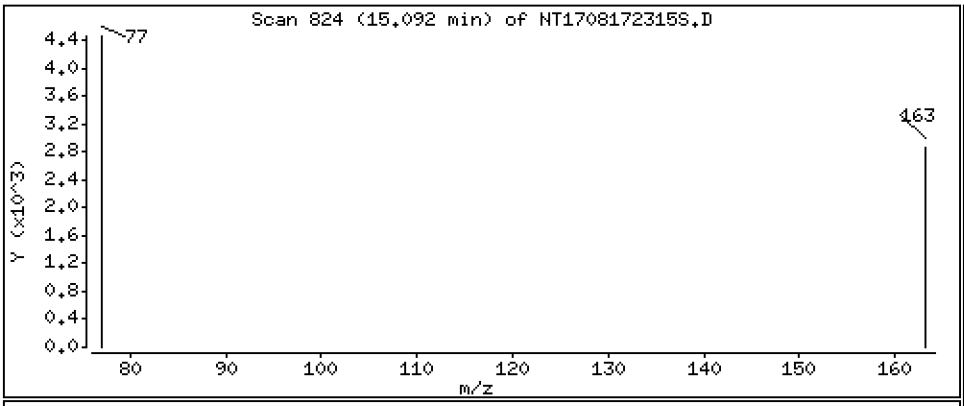
Operator: JGR

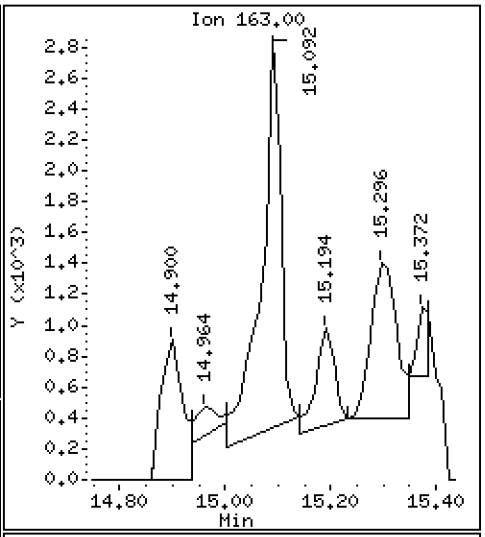
Column phase: ZB-5msi

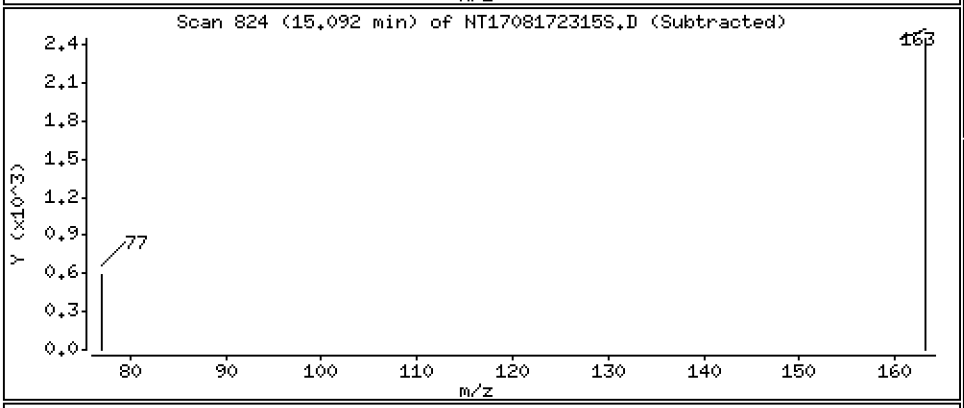
Column diameter: 0.25

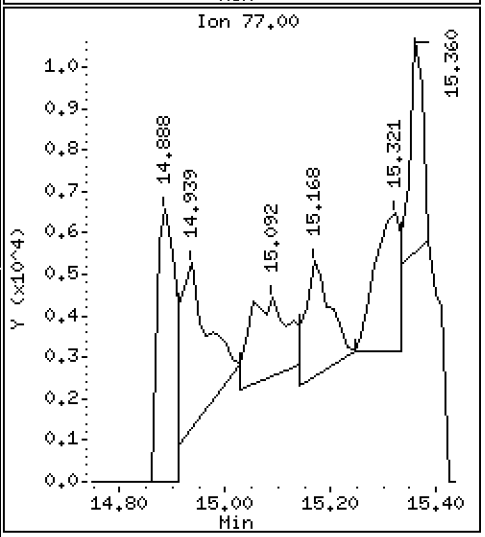
39 Dimethylphthalate

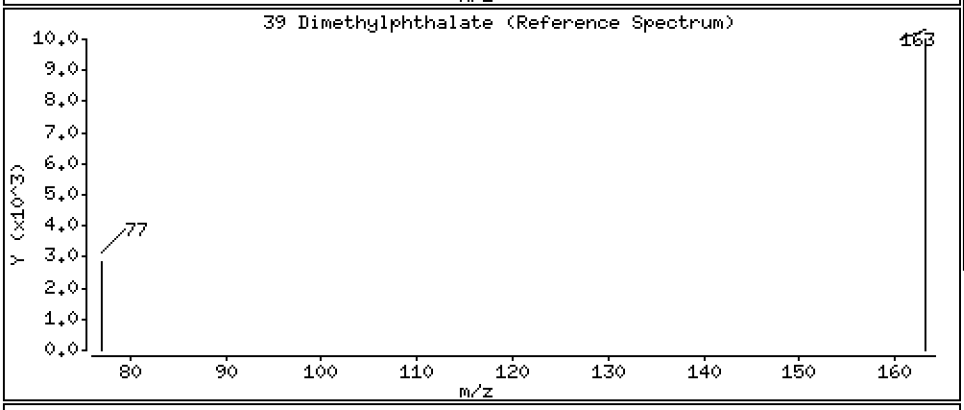
Concentration: 0.03160 ug/mL

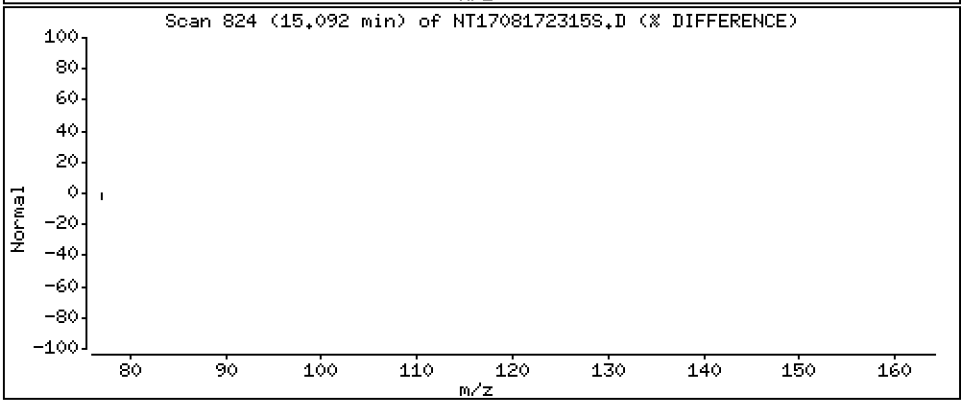












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Date : 18-AUG-2023 04:19

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-06

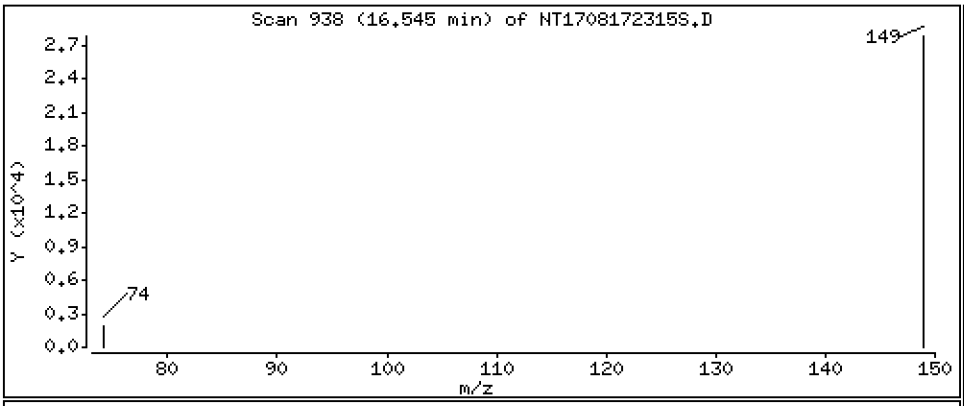
Operator: JGR

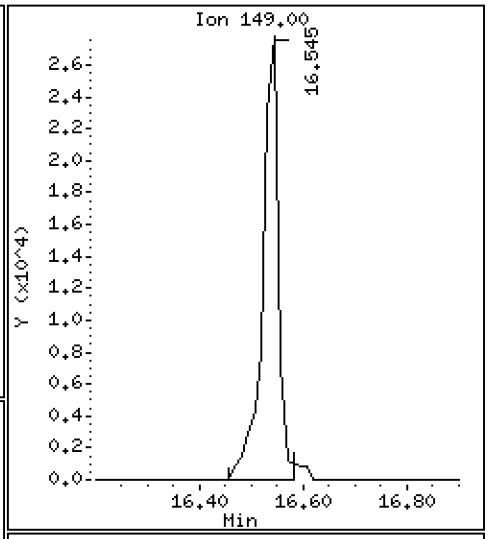
Column phase: ZB-5msi

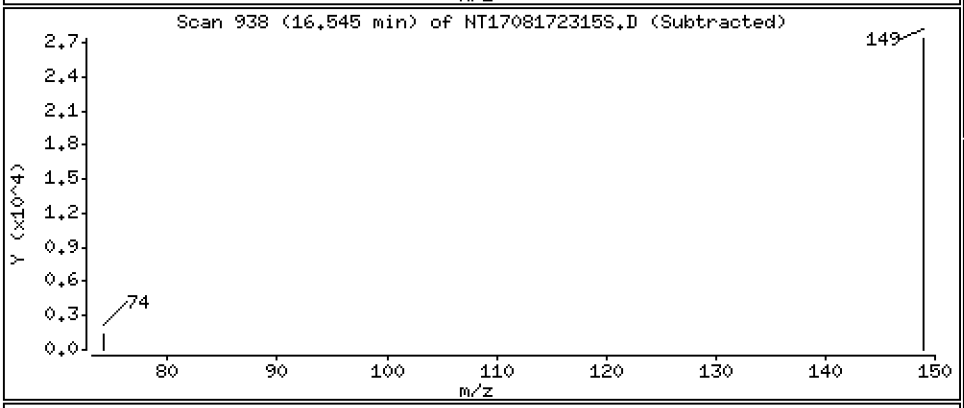
Column diameter: 0.25

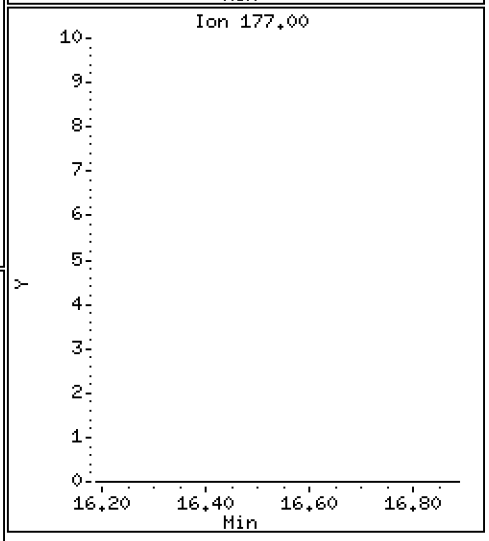
50 Diethylphthalate

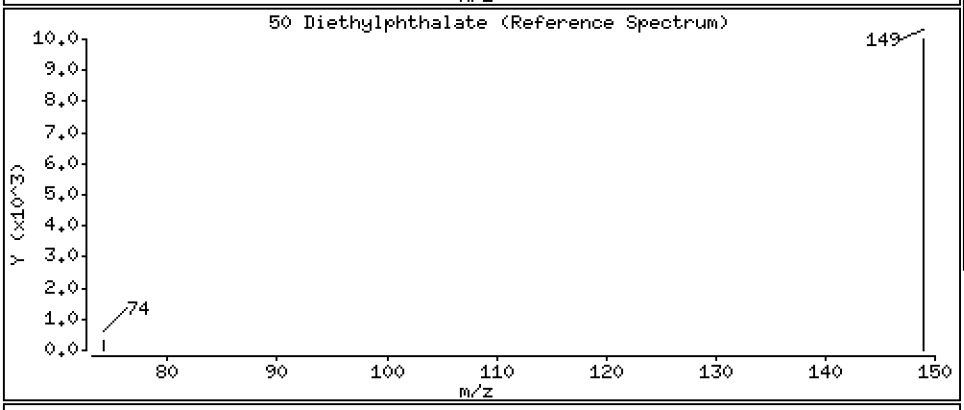
Concentration: 0.2781 ug/mL

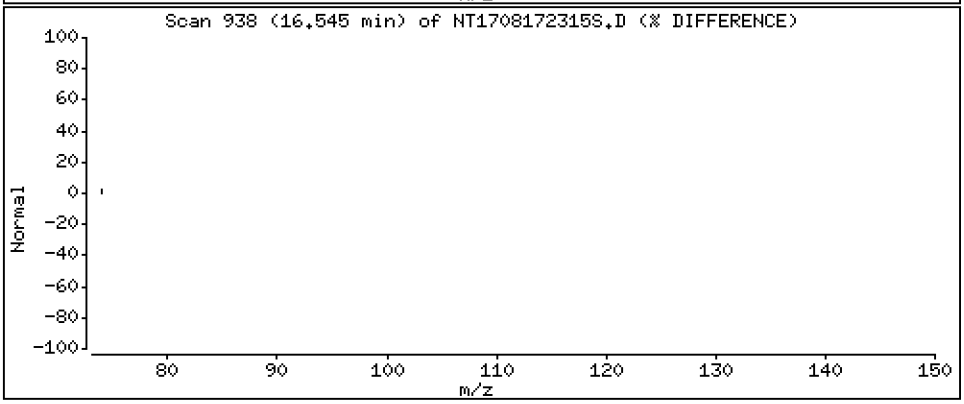












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Date : 18-AUG-2023 04:19

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-06

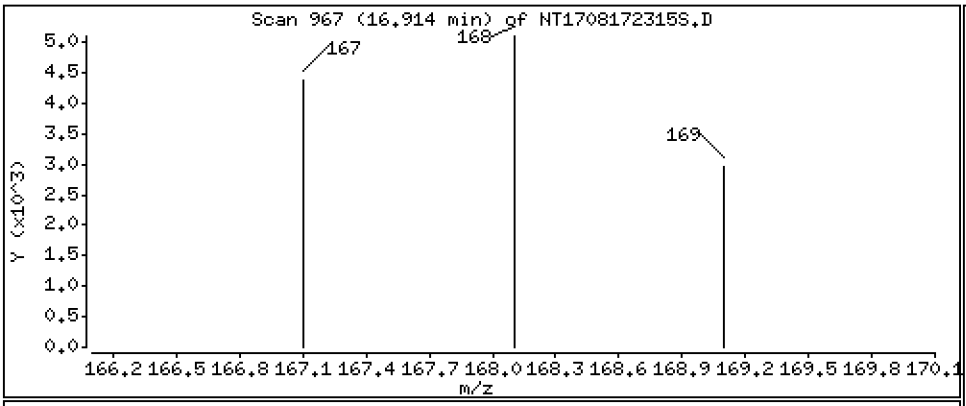
Operator: JGR

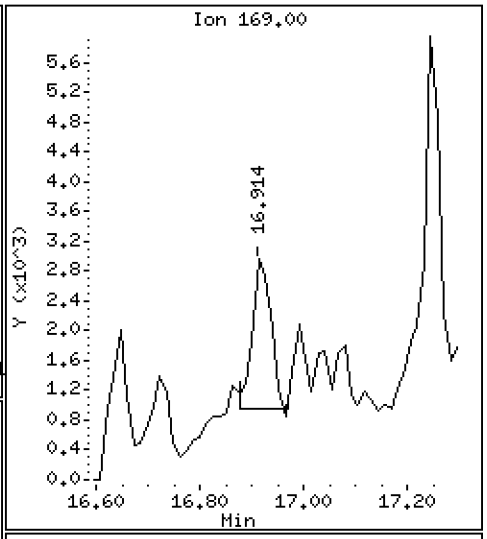
Column phase: ZB-5msi

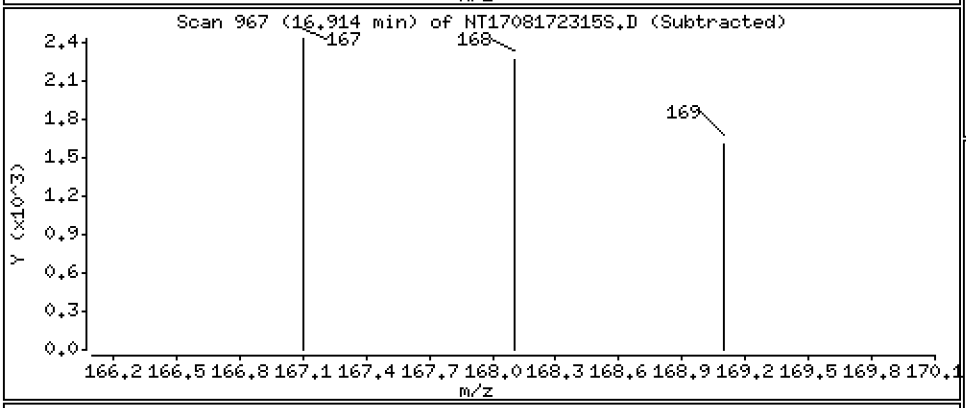
Column diameter: 0.25

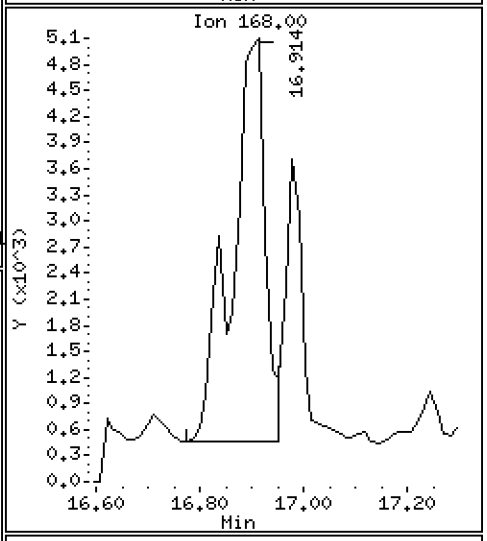
54 N-Nitrosodiphenylamine

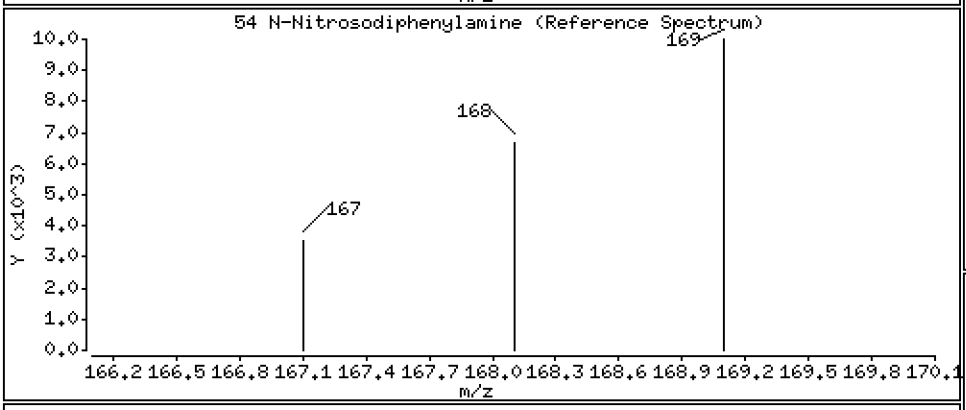
Concentration: 0.03627 ug/mL

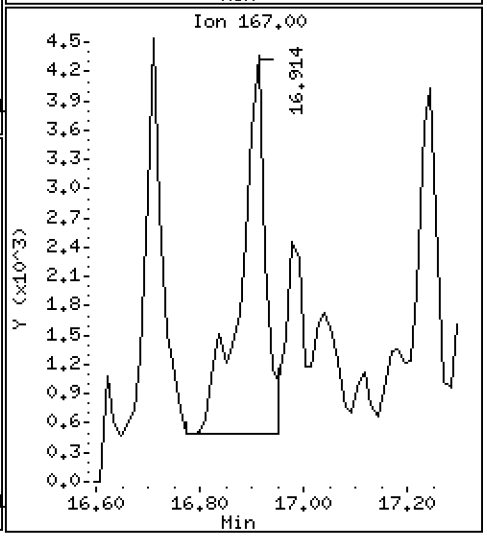


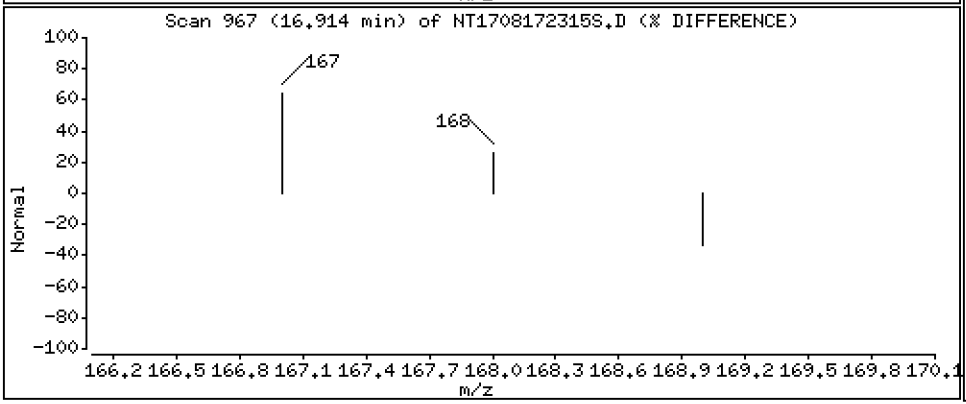












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172315S.D

Date : 18-AUG-2023 04:19

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-06

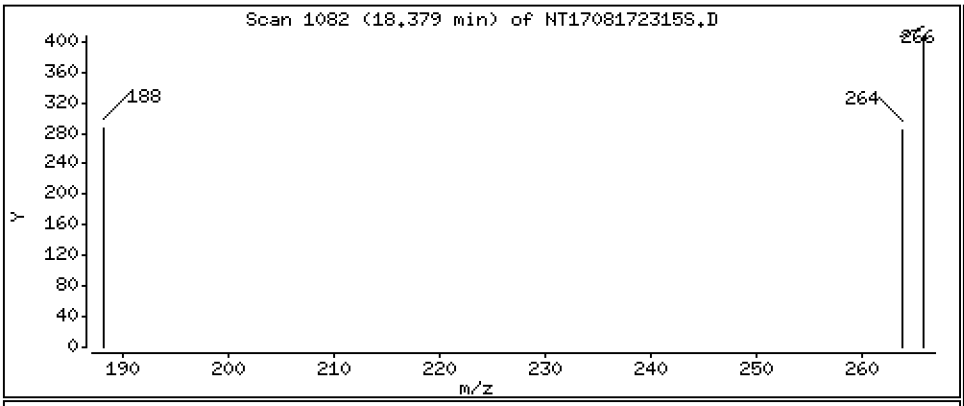
Operator: JGR

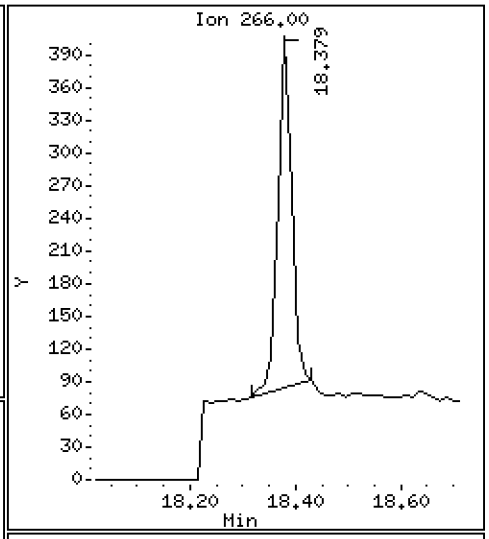
Column phase: ZB-5msi

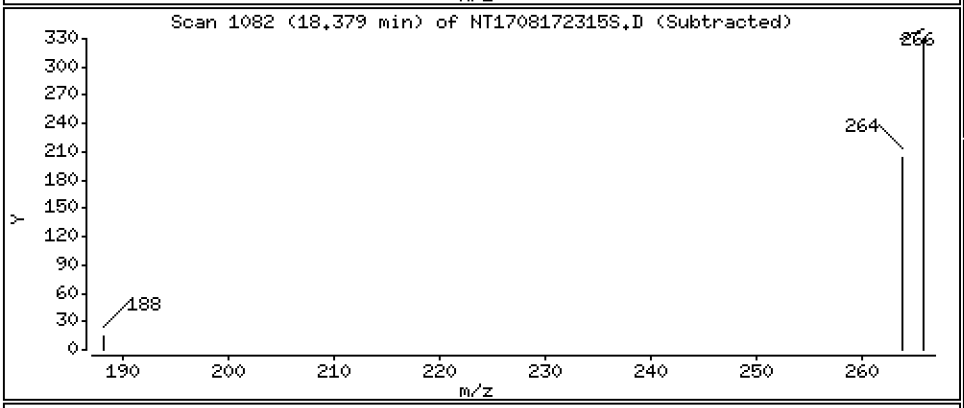
Column diameter: 0.25

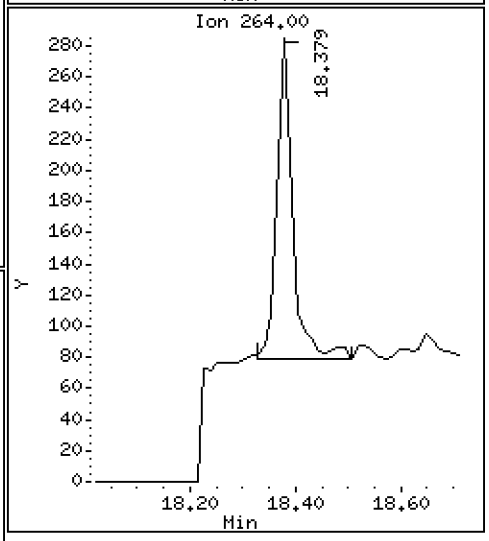
58 Pentachlorophenol

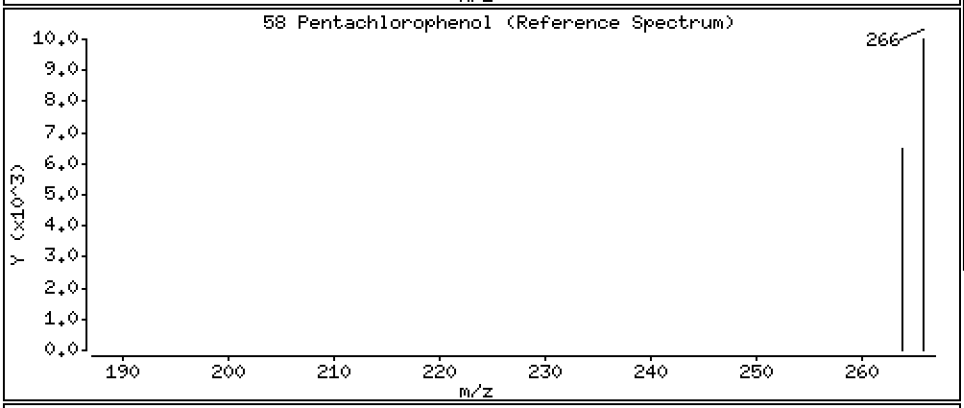
Concentration: 0.01904 ug/mL

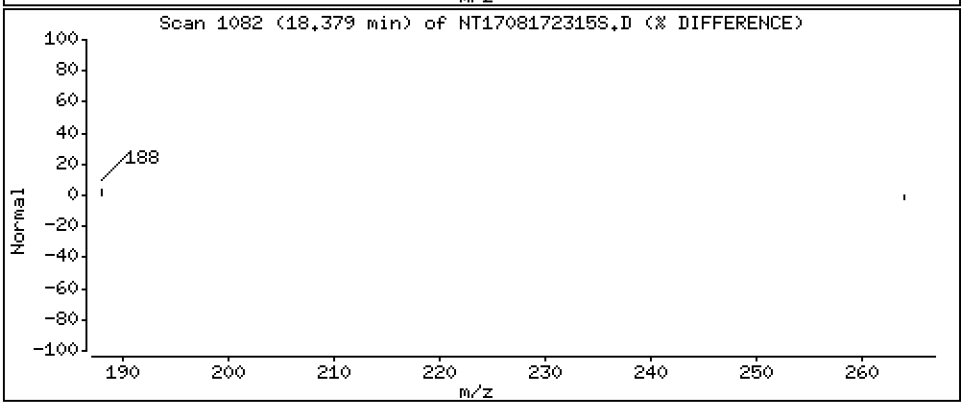












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172315S.D

Date : 18-AUG-2023 04:19

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-06

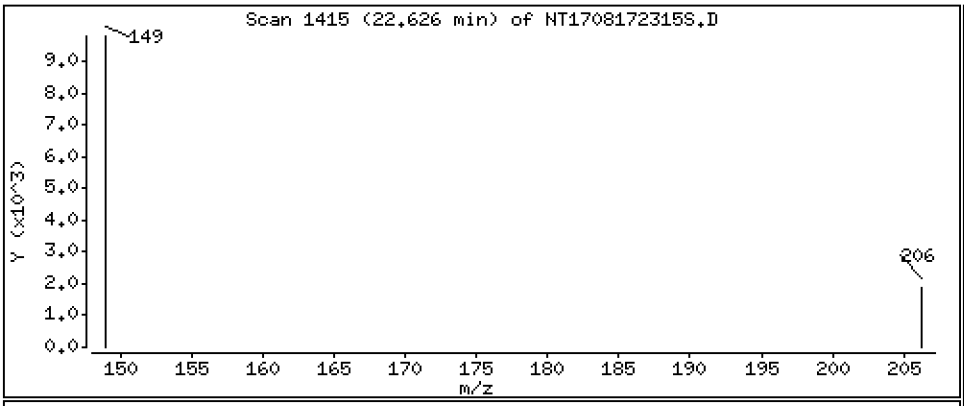
Operator: JGR

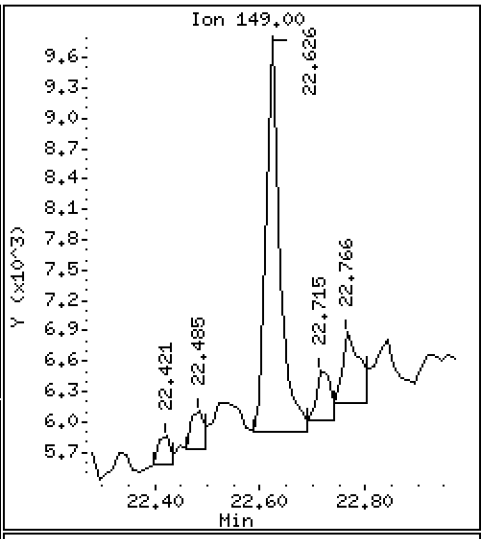
Column phase: ZB-5msi

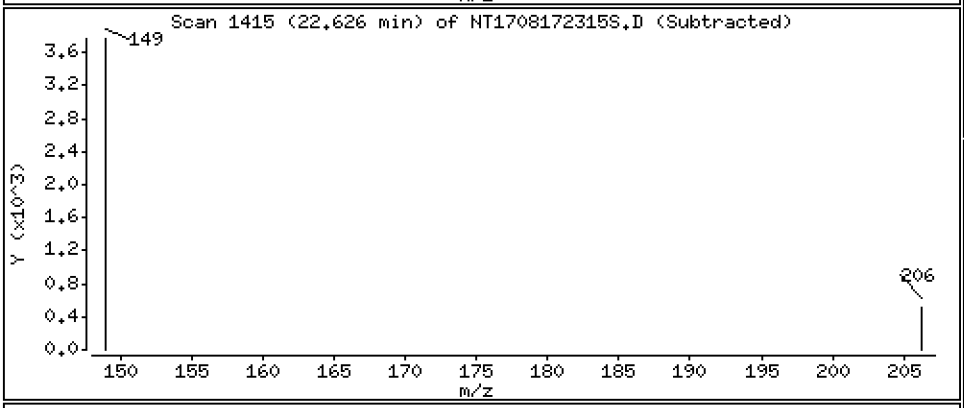
Column diameter: 0.25

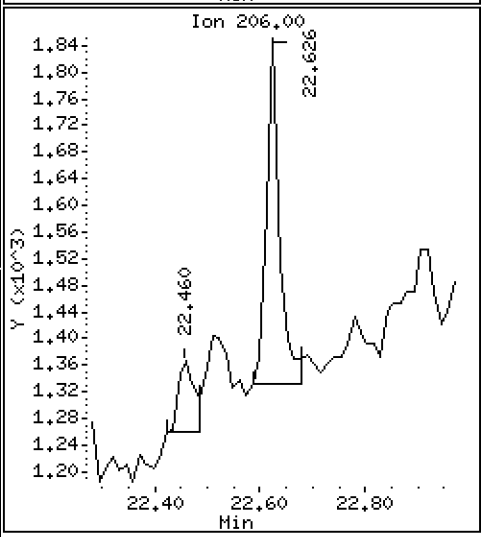
67 Butylbenzylphthalate

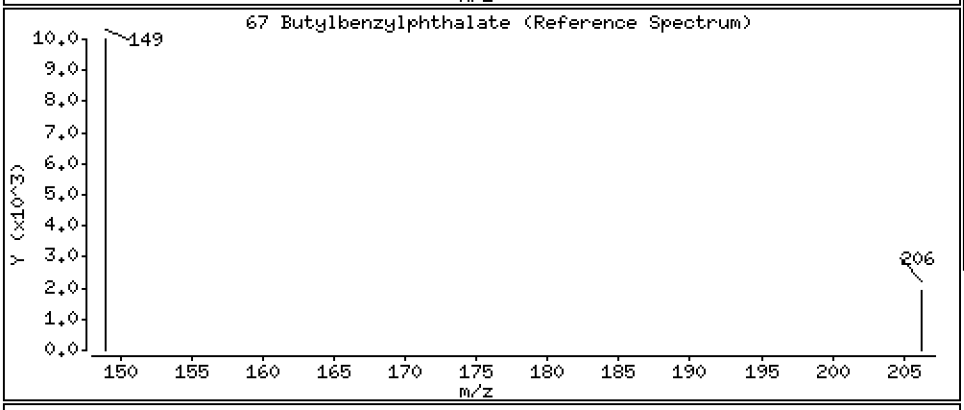
Concentration: 0.05039 ug/mL

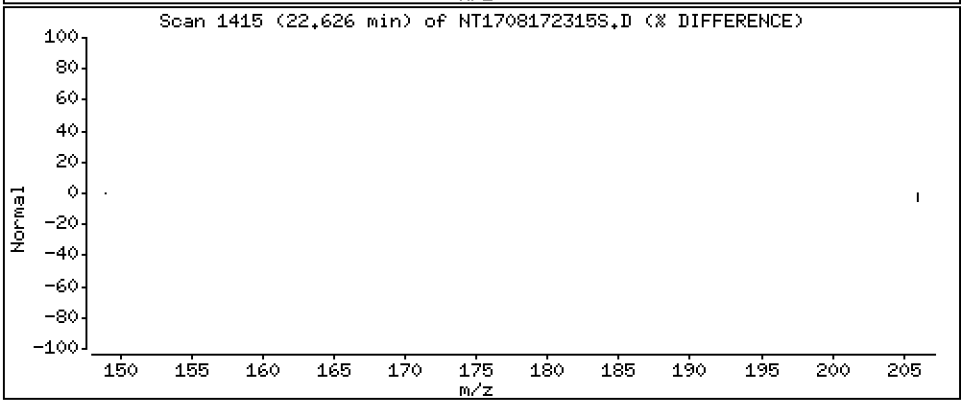












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172315S.D

Date : 18-AUG-2023 04:19

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-06

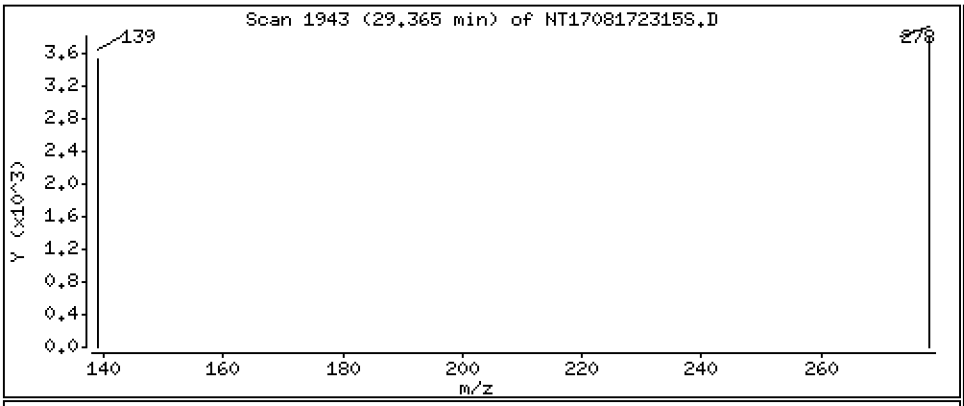
Operator: JGR

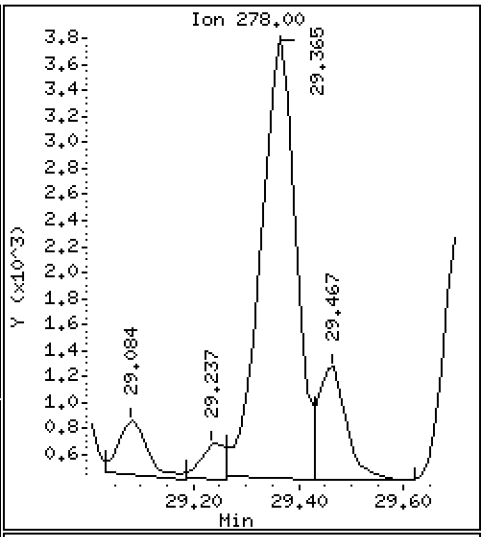
Column phase: ZB-5msi

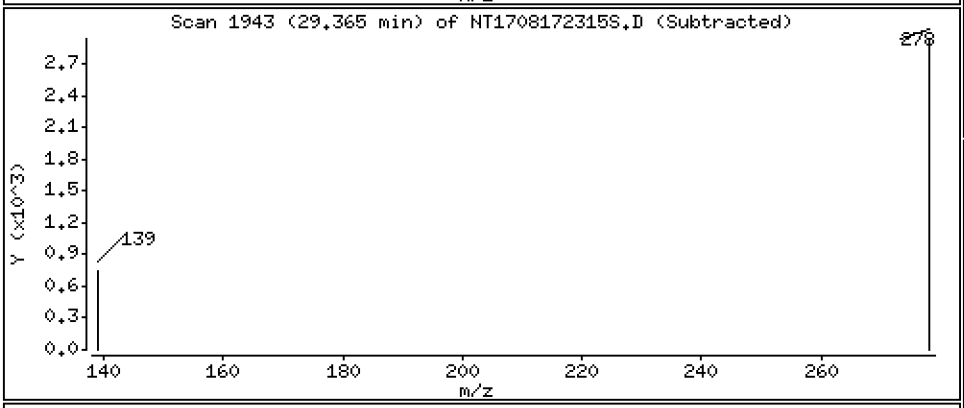
Column diameter: 0.25

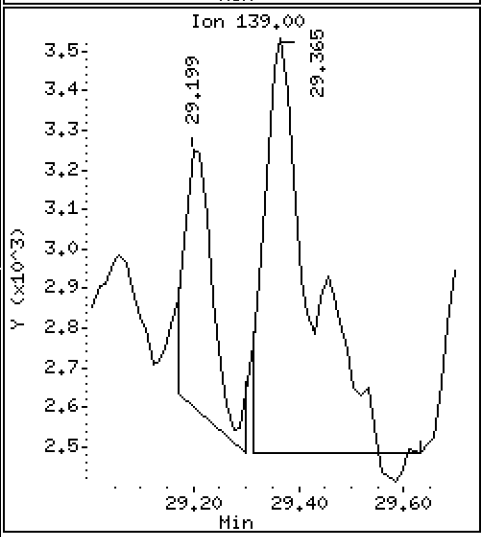
79 Dibenzo(a,h)anthracene

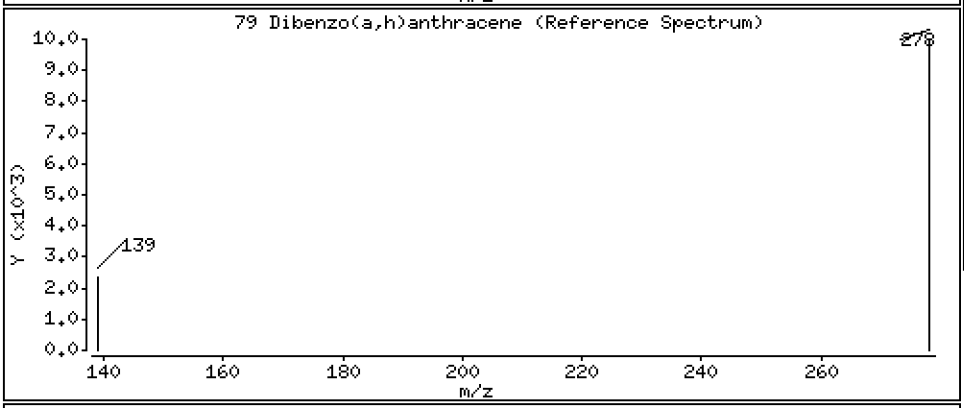
Concentration: 0.1172 ug/mL

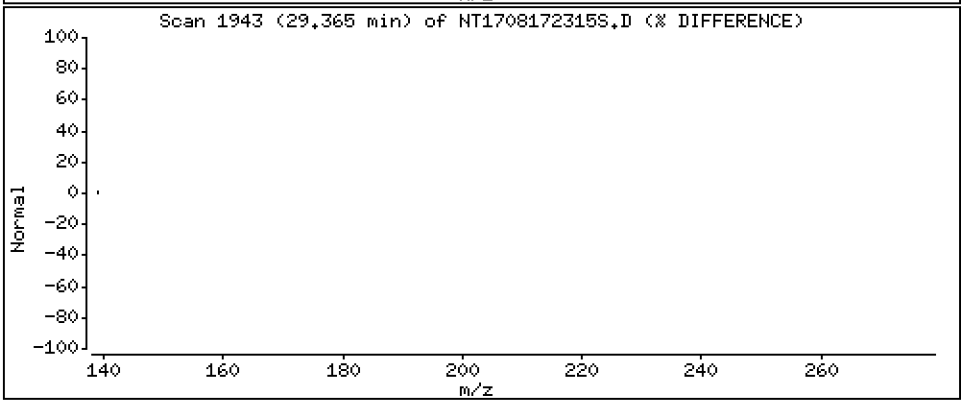












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172315S.D
Lab Smp Id: 23H0221-06
Inj Date : 18-AUG-2023 04:19
Operator : JGR Inst ID: nt17.i
Smp Info : 23H0221-06
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Meth Date : 19-Aug-2023 11:00 JoshuaR Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	7.311	7.285	(0.768)	786649	5.32676	5.327(R)
	3 Phenol	94	8.890	8.878	(0.934)	99279	0.44100	0.4410
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	9.515	9.515	(1.000)	355662	4.00000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	79	9.834	9.784	(1.034)	154301	0.99028	0.9903
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	15 4-Methylphenol	108	10.269	10.256	(1.079)	8727	0.06117	0.06117
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	24 Benzoic acid	105	11.431	11.431	(0.953)	156286	1.61291	1.613
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	11.993	12.005	(1.000)	1468600	4.00000	
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	39 Dimethylphthalate	163	15.091	15.091	(0.967)	6486	0.03160	0.03160
*	42 Acenaphthene-d10	162	15.614	15.614	(1.000)	631605	4.00000	
	50 Diethylphthalate	149	16.544	16.545	(1.060)	59352	0.27806	0.2781
	54 N-Nitrosodiphenylamine	169	16.914	16.939	(0.907)	4985	0.03627	0.03627(M)
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	18.378	18.366	(0.986)	582	0.01904	0.01904(M)
*	59 Phenanthrene-d10	188	18.646	18.646	(1.000)	956116	4.00000	
$	66 Terphenyl-d14	244	21.719	21.720	(0.919)	352246	4.79455	4.795(R)
	67 Butylbenzylphthalate	149	22.625	22.625	(0.957)	7099	0.05039	0.05039
*	69 Chrysene-d12	240	23.633	23.620	(1.000)	530906	4.00000	
*	77 Perylene-d12	264	26.427	26.414	(1.000)	453863	4.00000	
	79 Dibenzo(a,h)anthracene	278	29.365	29.352	(1.111)	15712	0.11721	0.1172
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708172315S.D
Lab Smp Id: 23H0221-06
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Misc Info:

Calibration Date: 17-AUG-2023
Calibration Time: 20:49
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	348452	174226	696904	355662	2.07
27 Naphthalene-d8	1404170	702085	2808340	1468600	4.59
42 Acenaphthene-d10	619161	309581	1238322	631605	2.01
59 Phenanthrene-d10	992768	496384	1985536	956116	-3.69
69 Chrysene-d12	642334	321167	1284668	530906	-17.35
77 Perylene-d12	573362	286681	1146724	453863	-20.84

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.52	9.02	10.02	9.52	-0.00
27 Naphthalene-d8	12.01	11.51	12.51	11.99	-0.11
42 Acenaphthene-d10	15.61	15.11	16.11	15.61	-0.00
59 Phenanthrene-d10	18.65	18.15	19.15	18.65	-0.00
69 Chrysene-d12	23.62	23.12	24.12	23.63	0.05
77 Perylene-d12	26.41	25.91	26.91	26.43	0.05

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

REVIEW SUMMARY FOR FILE - NT1708172315S.D

Lab ID: 23H0221-06
nt17.i, 20230817.b\SIM.b\SIMABN2.m,   18-AUG-2023 04:19

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
1.034	1.028	0.0054	Benzyl alcohol

RRT check based on Ccal File: SIM.b/NT1708172303S.D

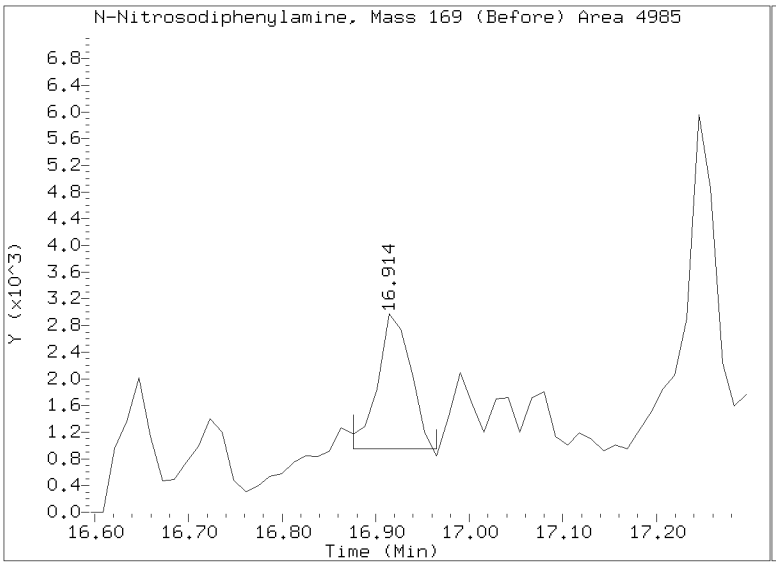
On Column LOD for nt17.i, SIM.b\SIMABN2.m, PSDDA.sub = 0.0000

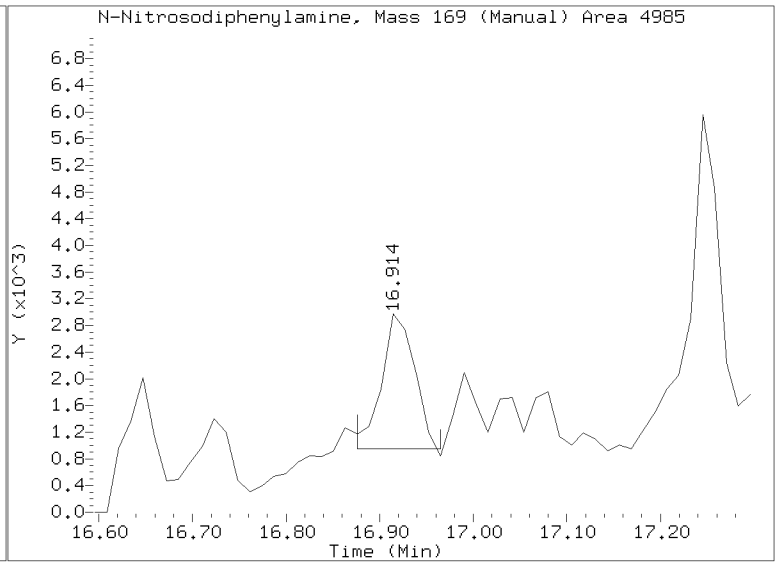
Exception: 1,2,4-Trichlorobenzene 0.0010

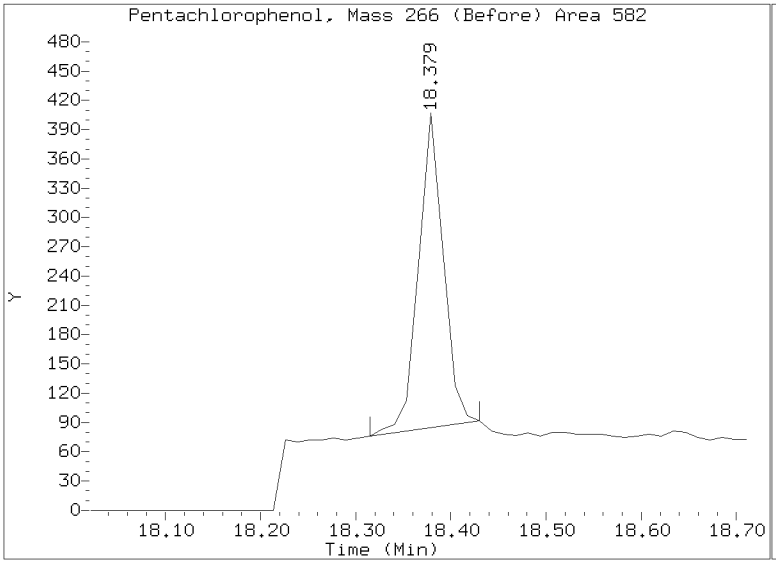
* Only compounds listed in the work order have been verified by the analyst *

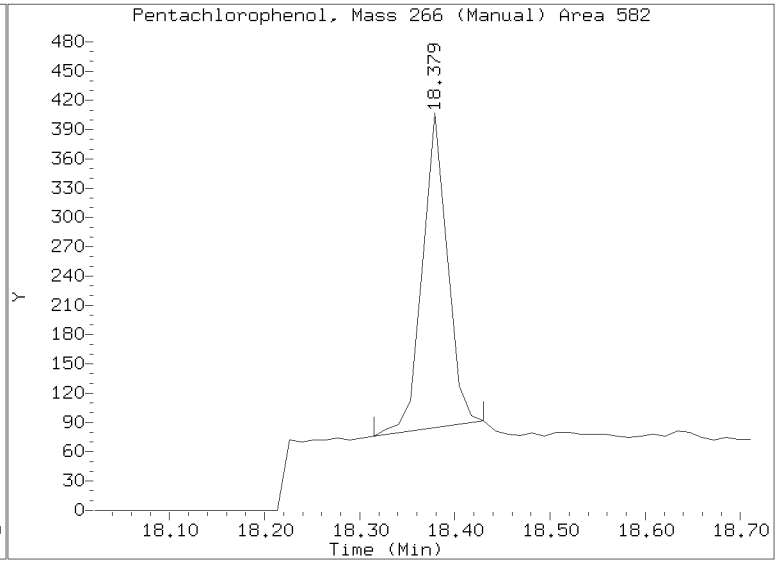
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230817.b/SIM.b/NT1708172315S.D
Injection Date: 18-AUG-2023 04:19
Lab ID:23H0221-06 Client ID:
Report Date: 08/19/2023 11:08









Analytical Resources, LLC
Analytical Chemists and Consultants

LDW23-SS1034

Form I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E-SIM

SIM SVOC Organics (Dual scan list)

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC5 MR Phase 1				
Matrix:	Sediment	Laboratory ID:	23H0221-07 B	SDG:	23H0221
Sampled:	04/11/23 15:58	Prepared:	08/14/23 09:29	File ID:	NT1708172316S.D
% Solids:	75.26	Preparation:	EPA 3546 (Microwave)	Analyzed:	08/18/23 04:56
Batch:	BLH0329	Sequence:	SLH0293	Initial/Final:	13.29 g Wet / 1 mL
Instrument:	NT17	Column:	ZB-5MS	Calibration:	GH00045
Cleanups:	GPC				

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
106-46-7	1,4-Dichlorobenzene	1	5.0	U	0.6	5.0
95-50-1	1,2-Dichlorobenzene	1	5.0	U	0.7	5.0
100-51-6	Benzyl Alcohol	1	27.9		2.5	20.0
65-85-0	Benzoic acid	1	206		13.4	100
105-67-9	2,4-Dimethylphenol	1	20.0	U	2.2	20.0
120-82-1	1,2,4-Trichlorobenzene	1	5.0	U	2.7	5.0
86-30-6	N-Nitrosodiphenylamine	1	9.0		1.3	5.0
87-86-5	Pentachlorophenol	1	23.7	Q	2.1	20.0

SURROGATES	ADDED: (ug/kg dry)	FOUND: (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorophenol	749.85	529	70.6	27 - 120	
p-Terphenyl-d14	499.90	390	78.0	37 - 120	Q

Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT17081723165.D

Date : 18-AUG-2023 04:56

Client ID:

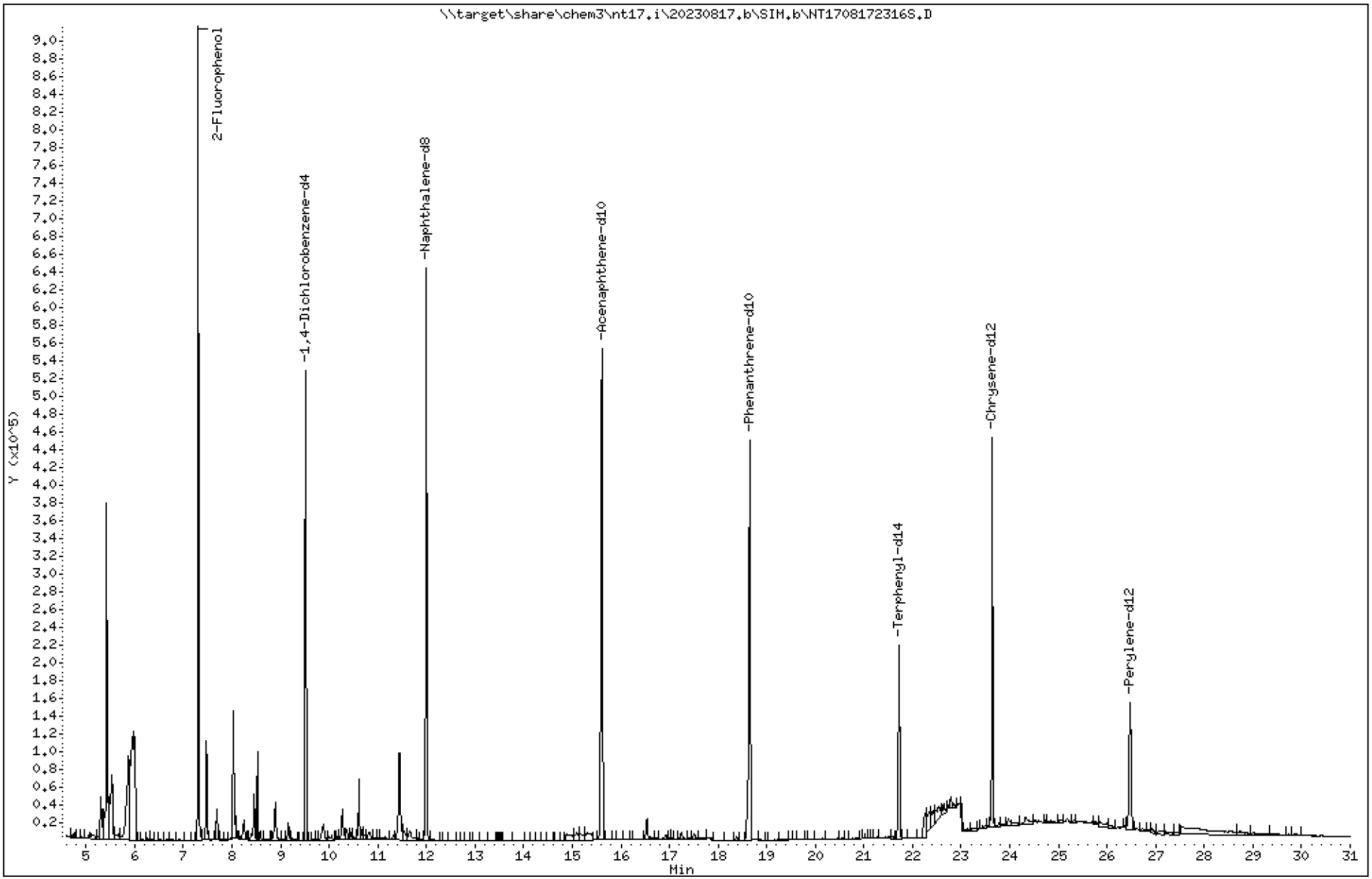
Instrument: nt17.i

Sample Info: 23H0221-07

Operator: JGR

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 18-AUG-2023 04:56

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-07

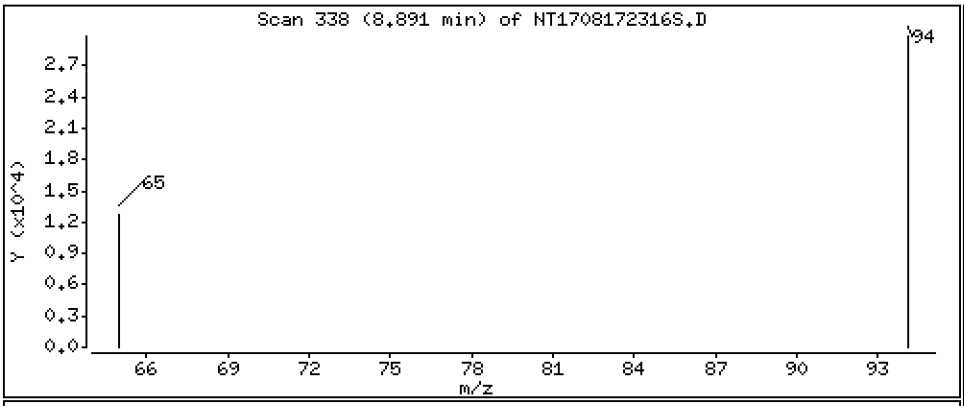
Operator: JGR

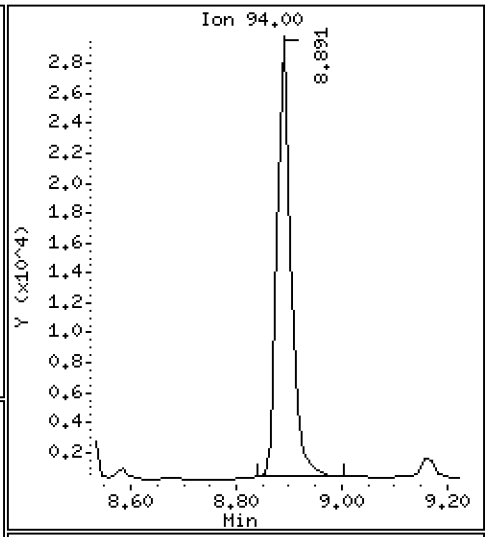
Column phase: ZB-5msi

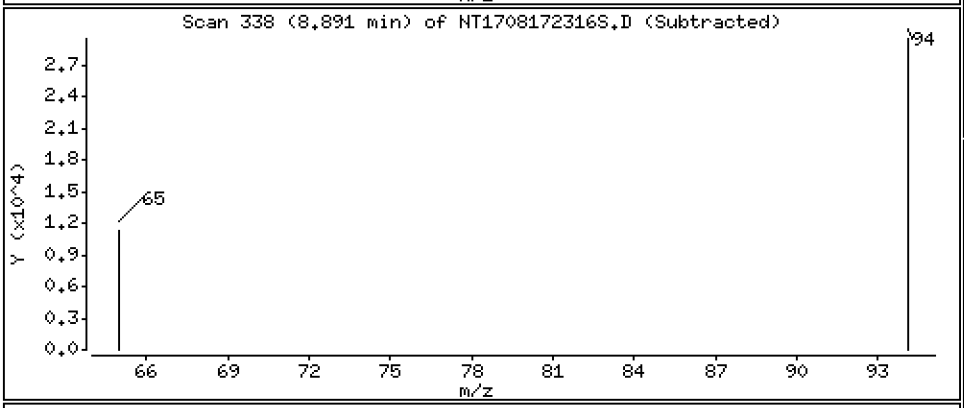
Column diameter: 0.25

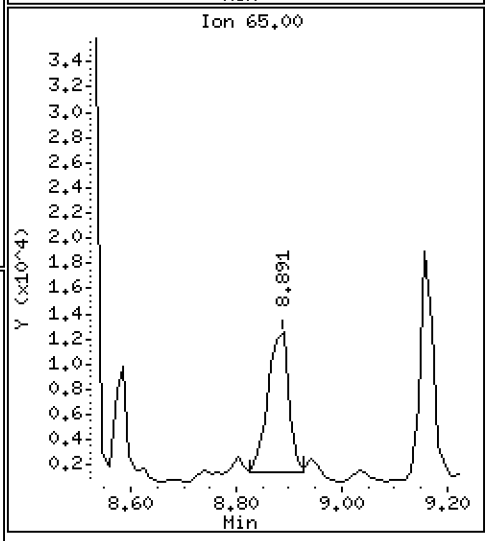
3 Phenol

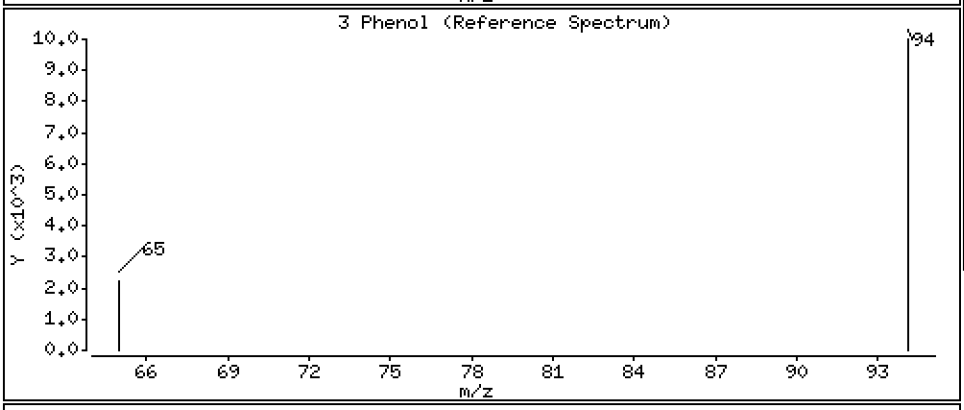
Concentration: 0.2636 ug/mL

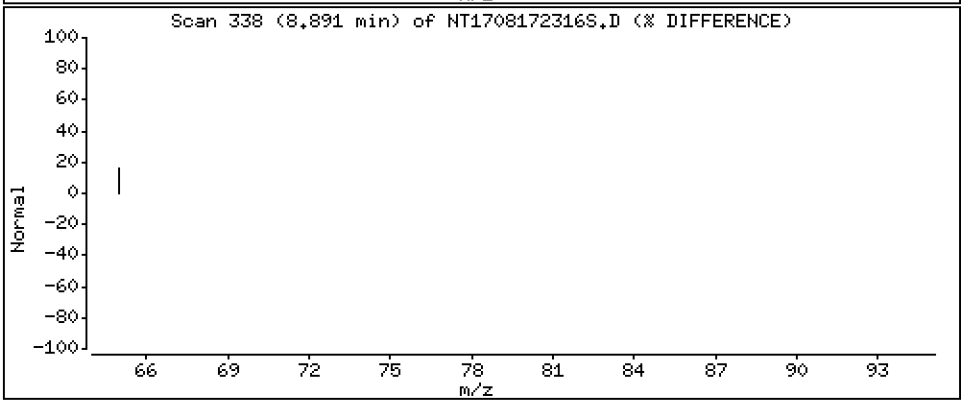












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT17081723165.D

Date : 18-AUG-2023 04:56

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-07

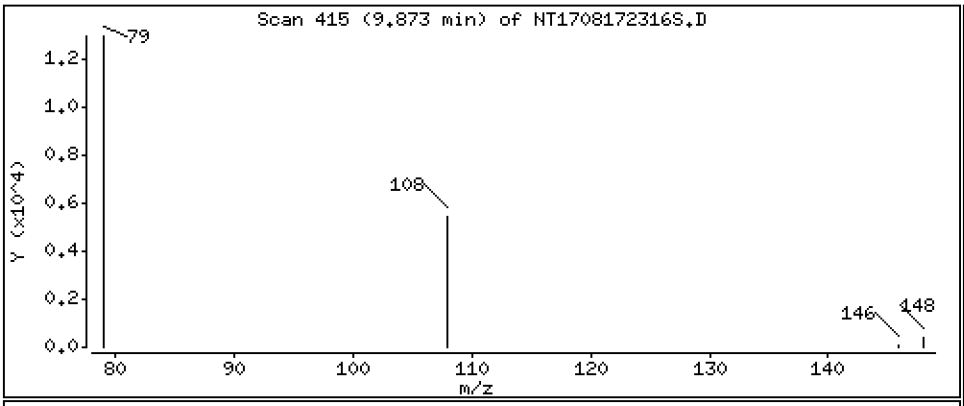
Operator: JGR

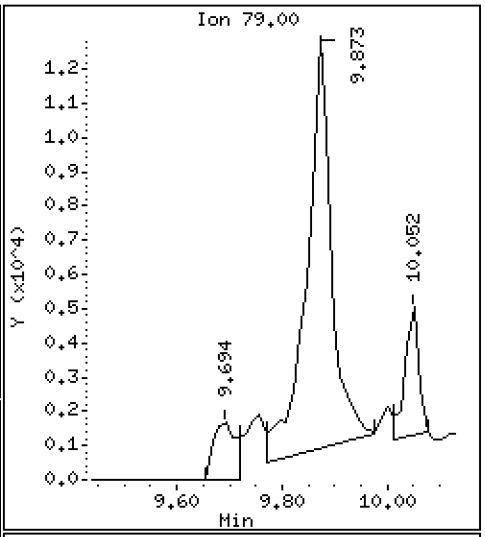
Column phase: ZB-5msi

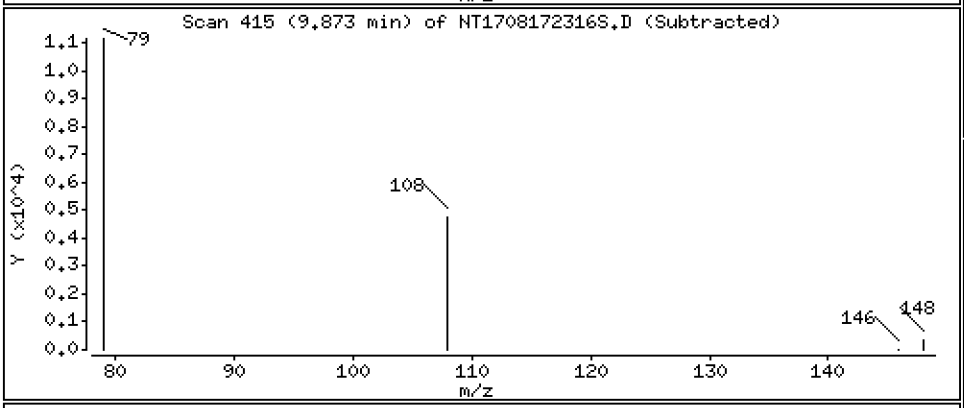
Column diameter: 0.25

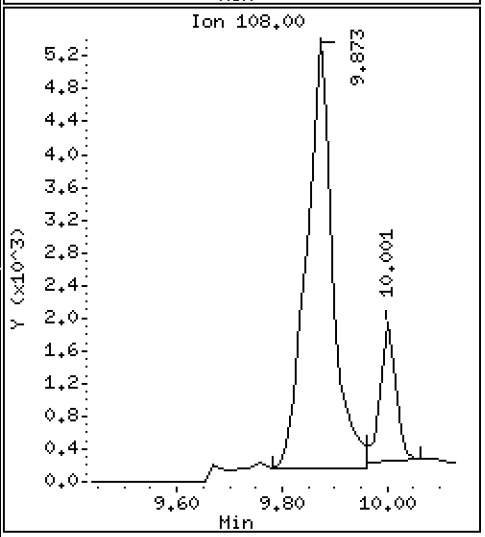
11 Benzyl alcohol

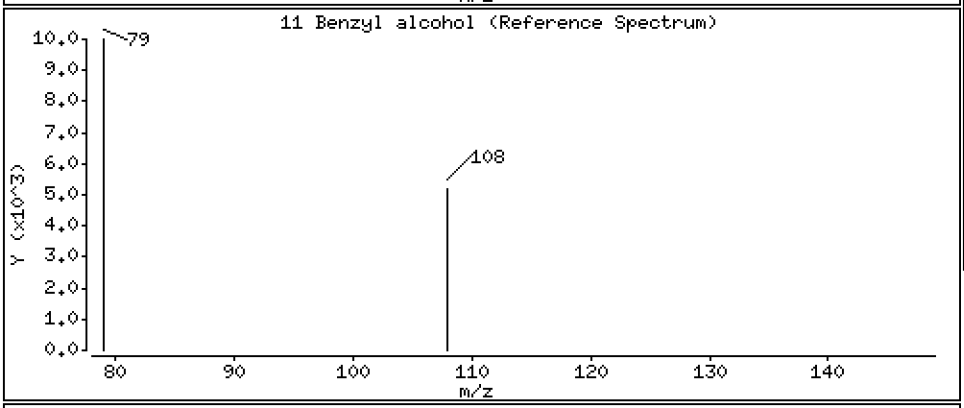
Concentration: 0.2789 ug/mL

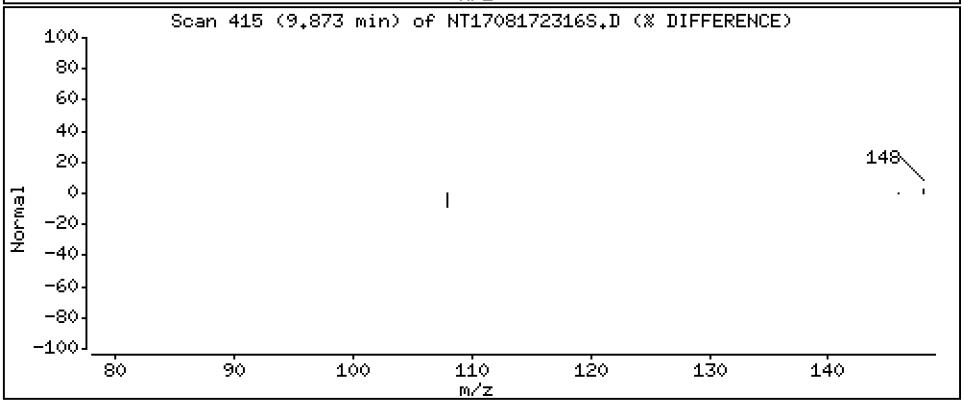












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Date : 18-AUG-2023 04:56

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-07

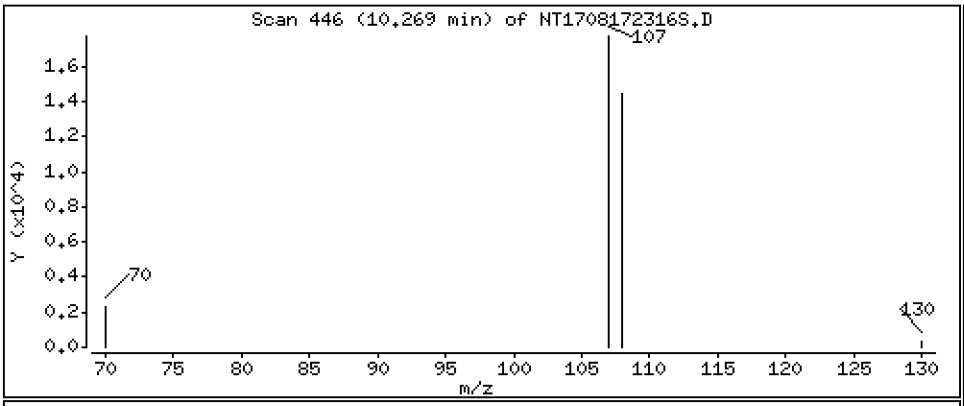
Operator: JGR

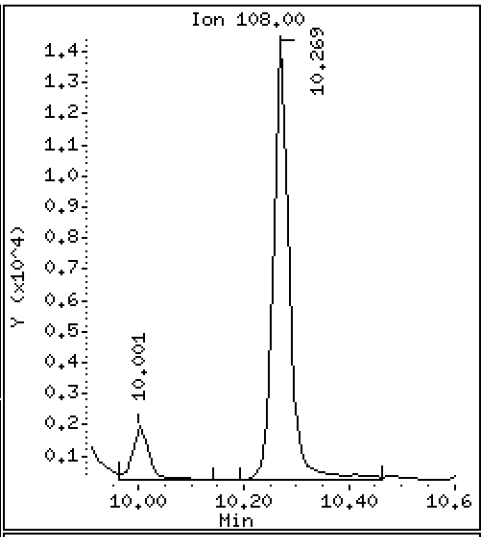
Column phase: ZB-5msi

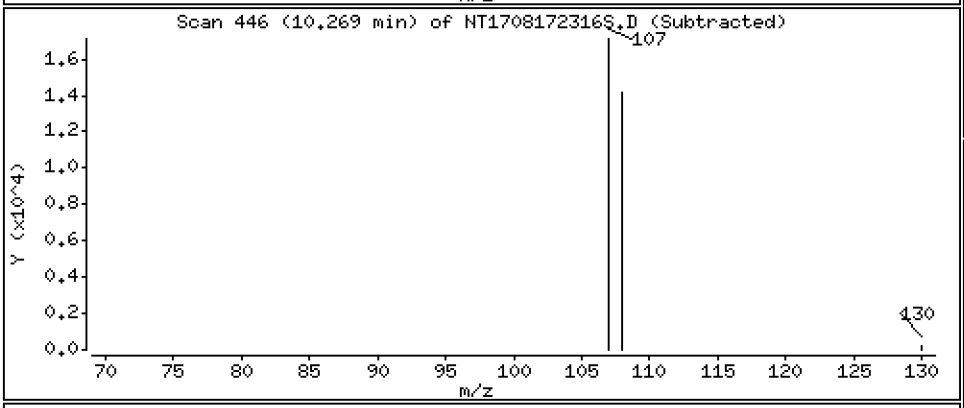
Column diameter: 0.25

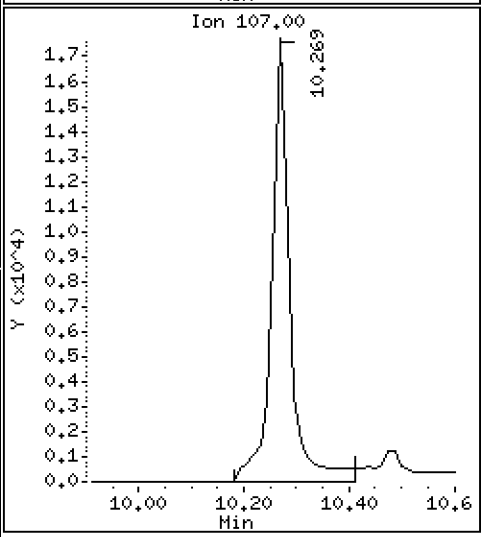
15 4-Methylphenol

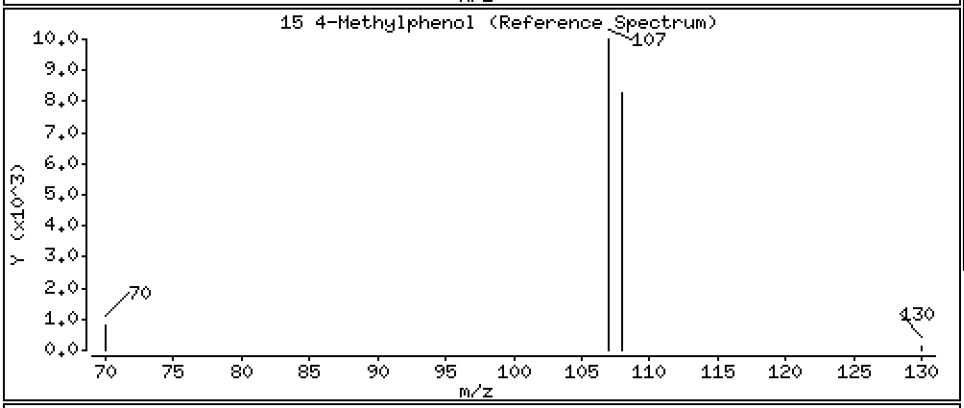
Concentration: 0.2305 ug/mL

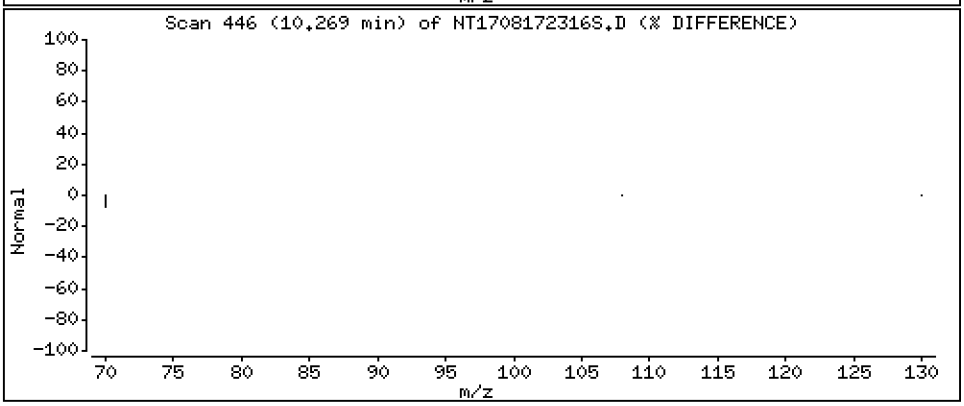












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT17081723165.D

Date : 18-AUG-2023 04:56

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-07

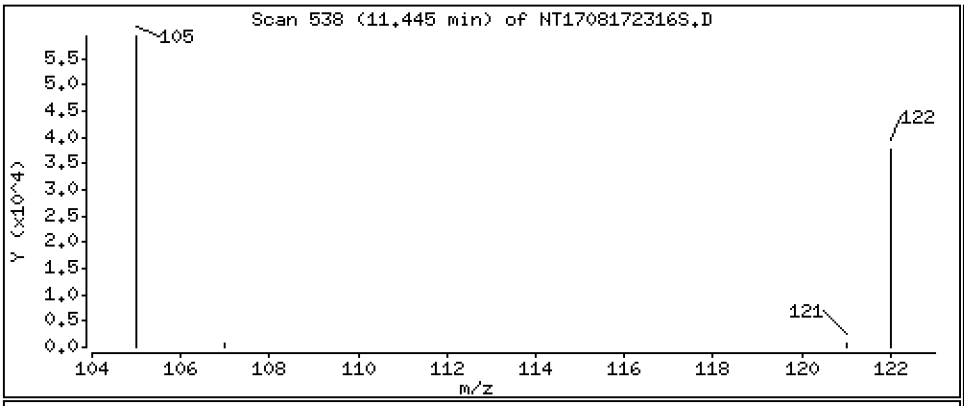
Operator: JGR

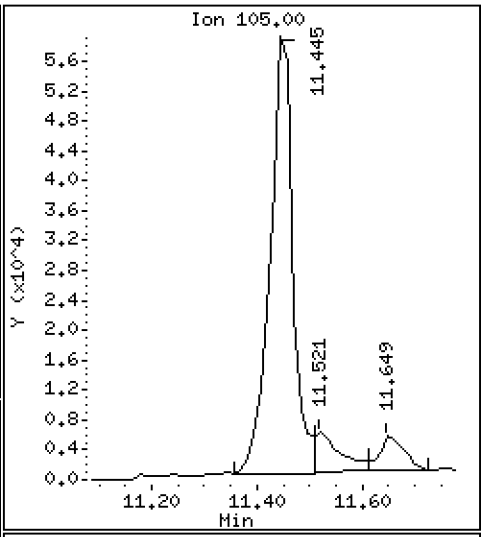
Column phase: ZB-5msi

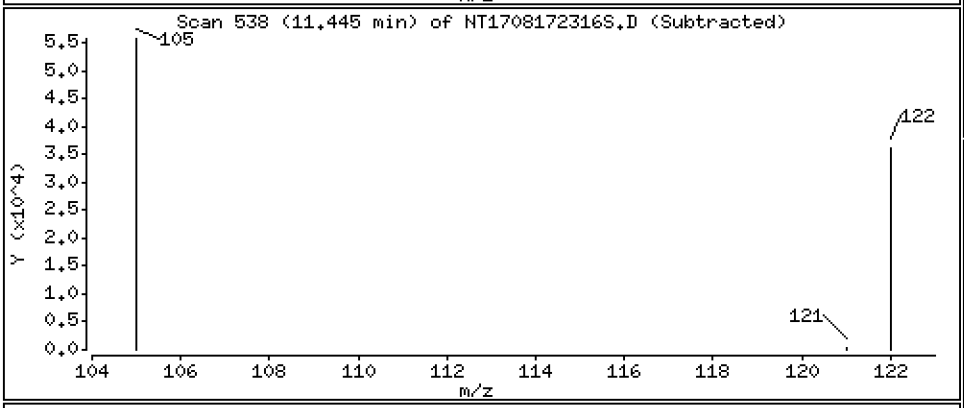
Column diameter: 0.25

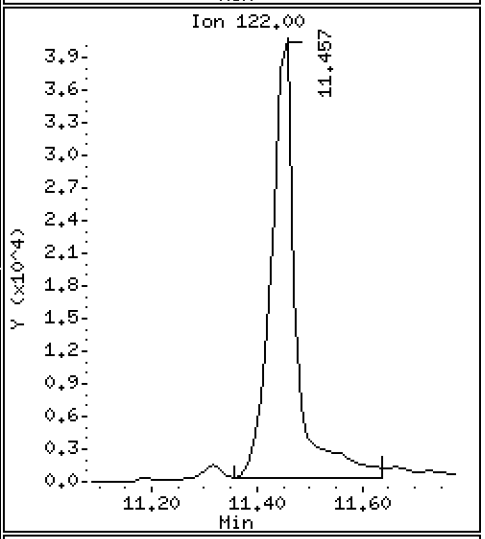
24 Benzoic acid

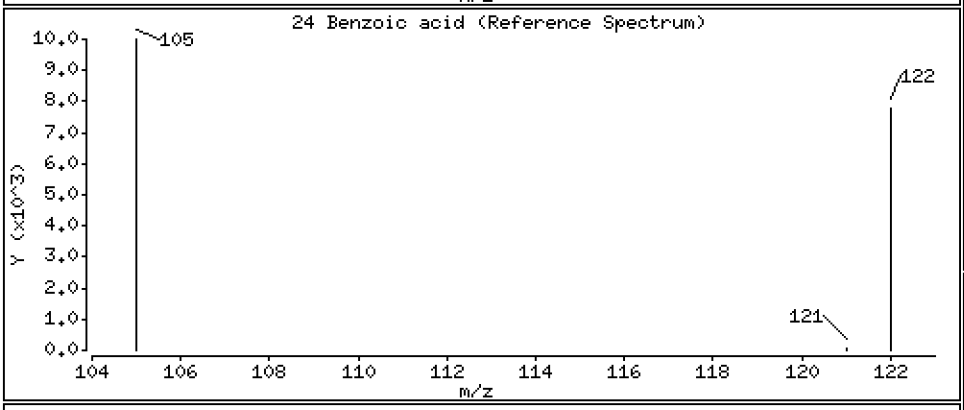
Concentration: 2.056 ug/mL

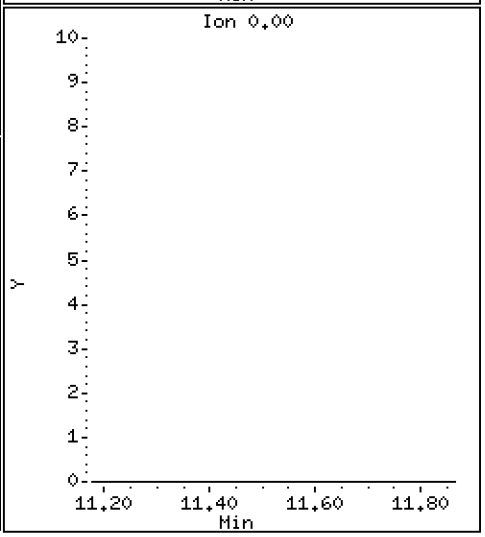


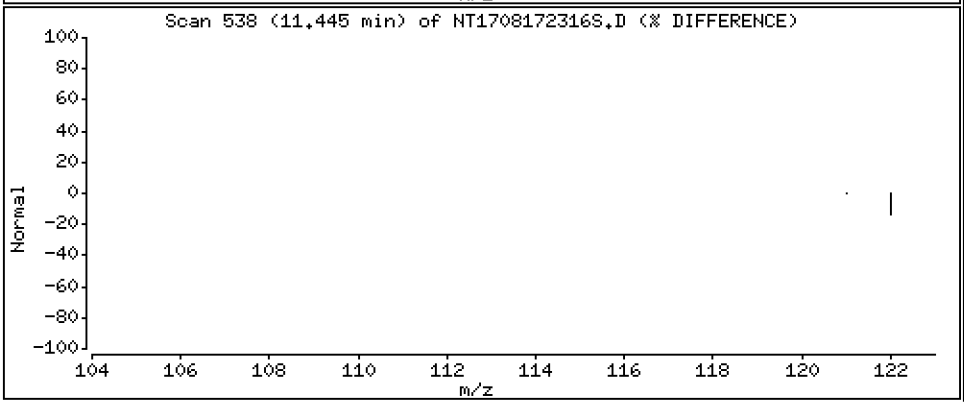












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Date : 18-AUG-2023 04:56

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-07

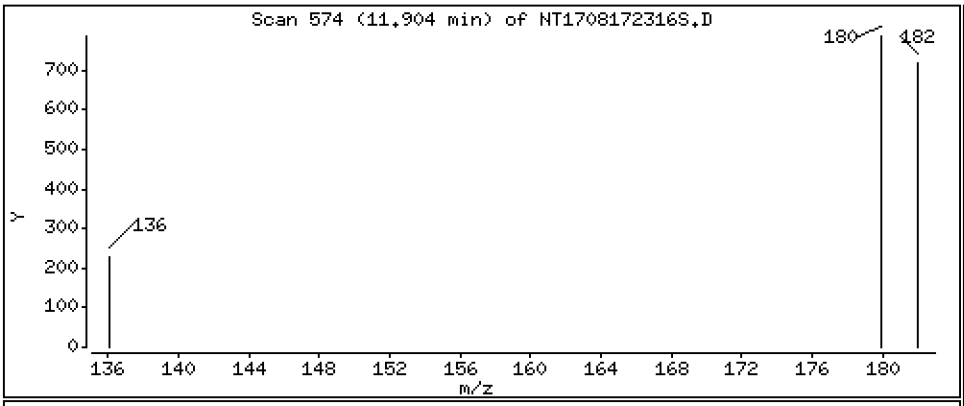
Operator: JGR

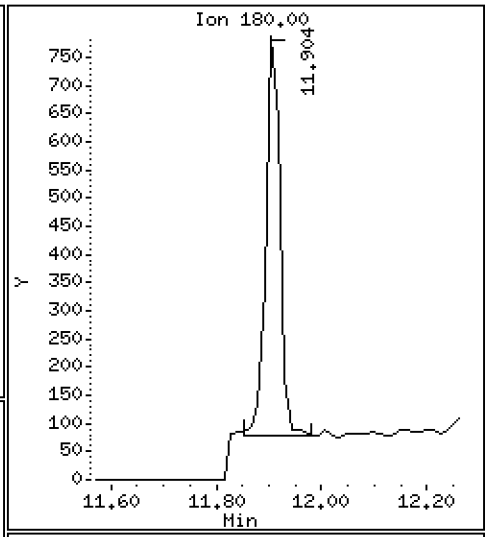
Column phase: ZB-5msi

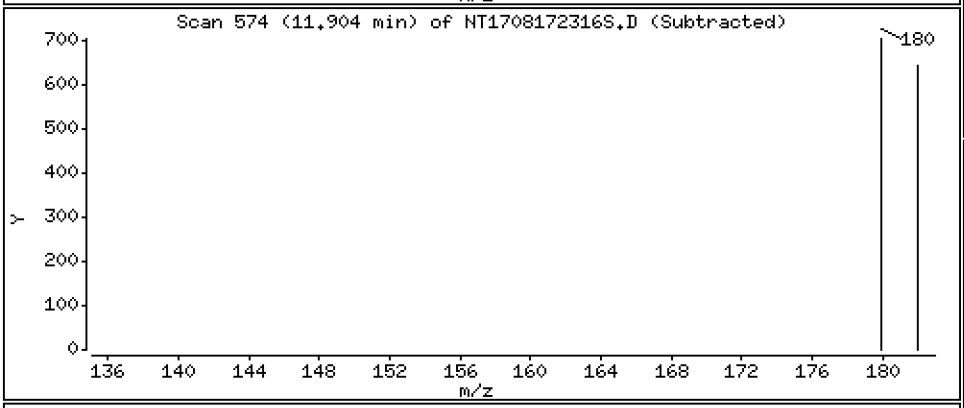
Column diameter: 0.25

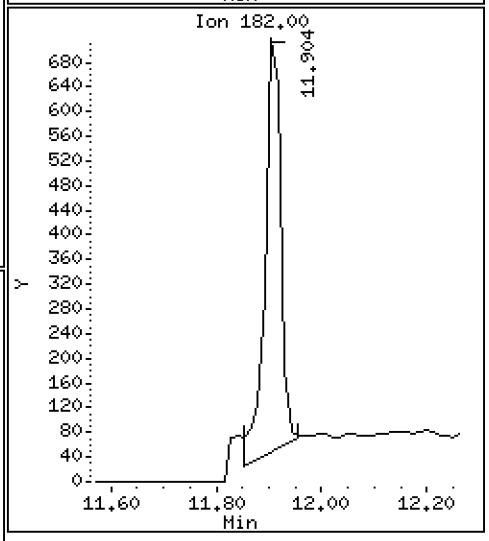
26 1,2,4-Trichlorobenzene

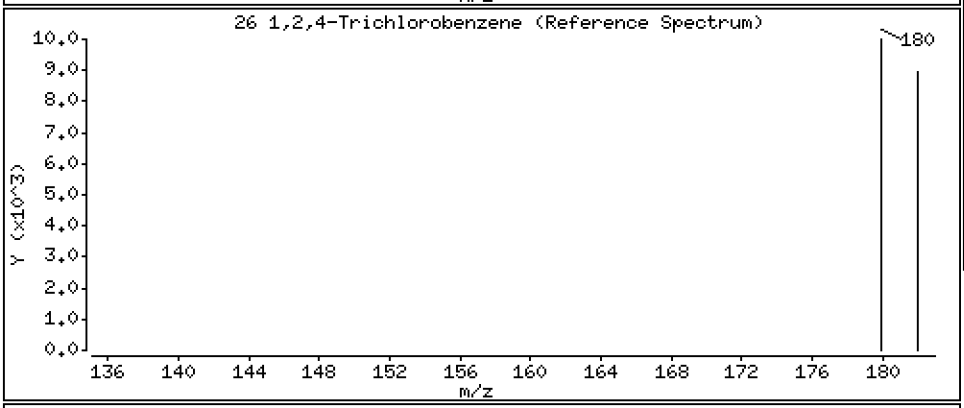
Concentration: 0.01455 ug/mL

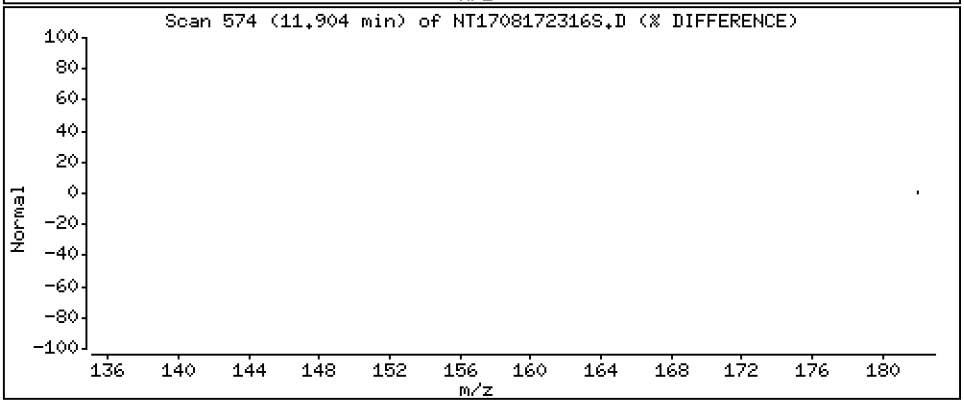












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Date : 18-AUG-2023 04:56

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-07

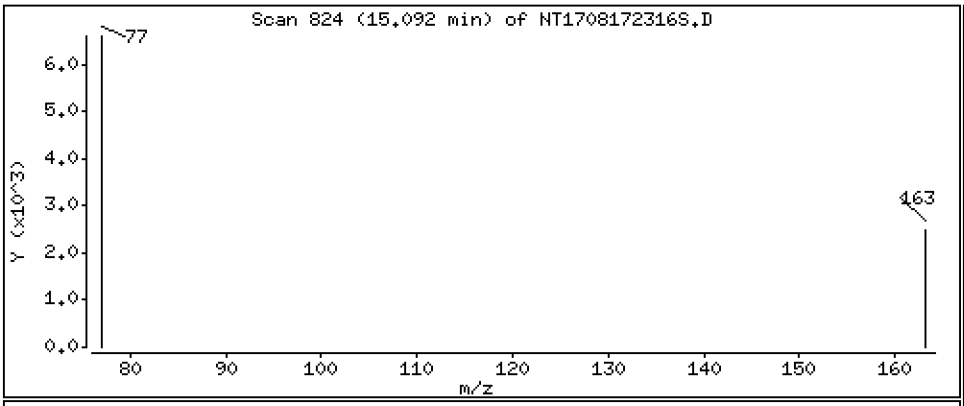
Operator: JGR

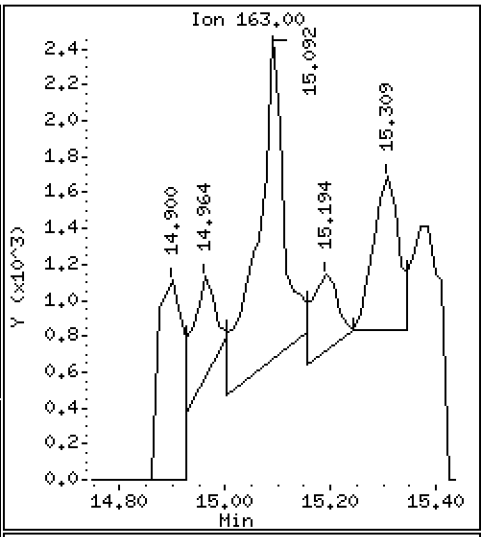
Column phase: ZB-5msi

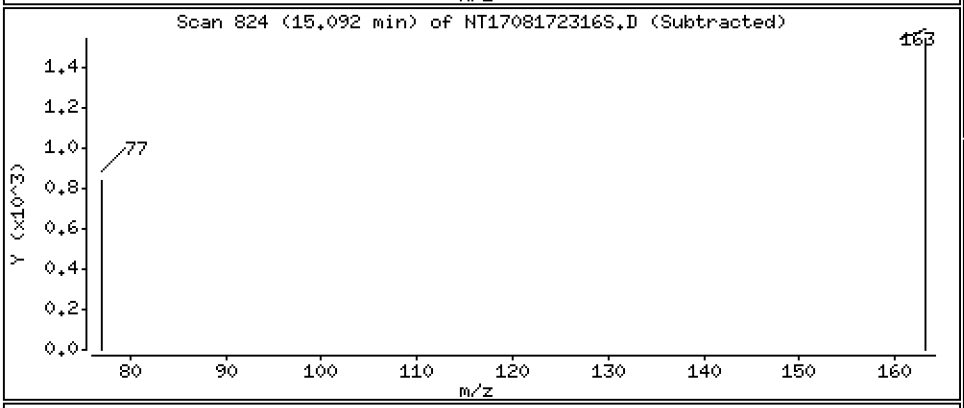
Column diameter: 0.25

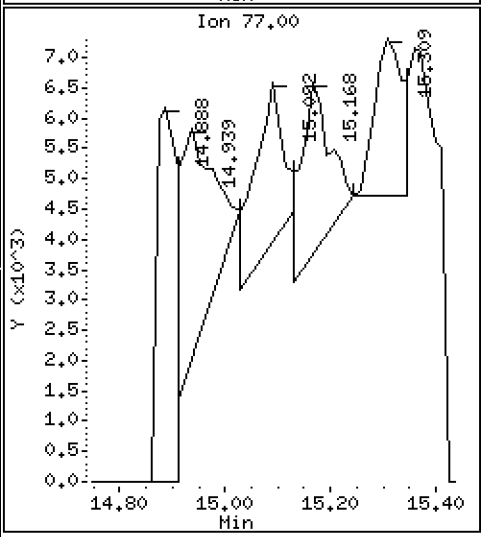
39 Dimethylphthalate

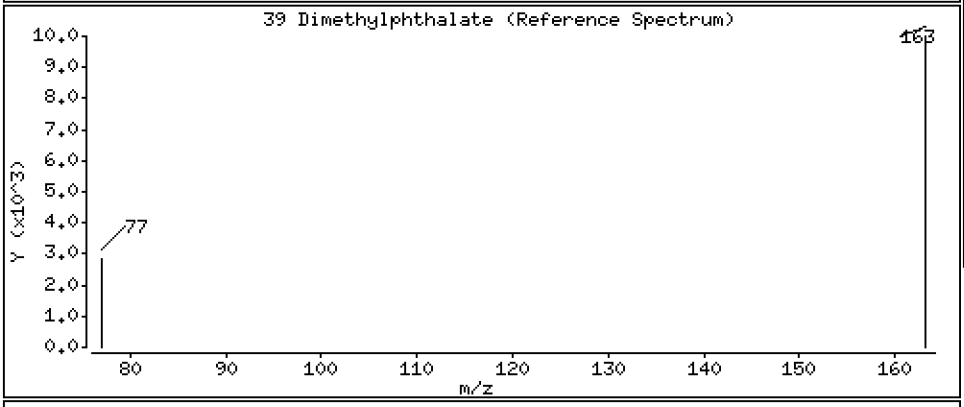
Concentration: 0.03459 ug/mL

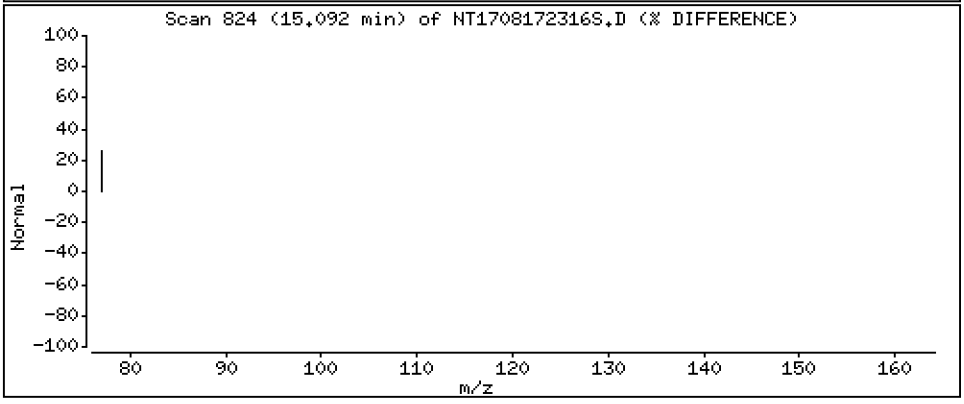












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Date : 18-AUG-2023 04:56

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-07

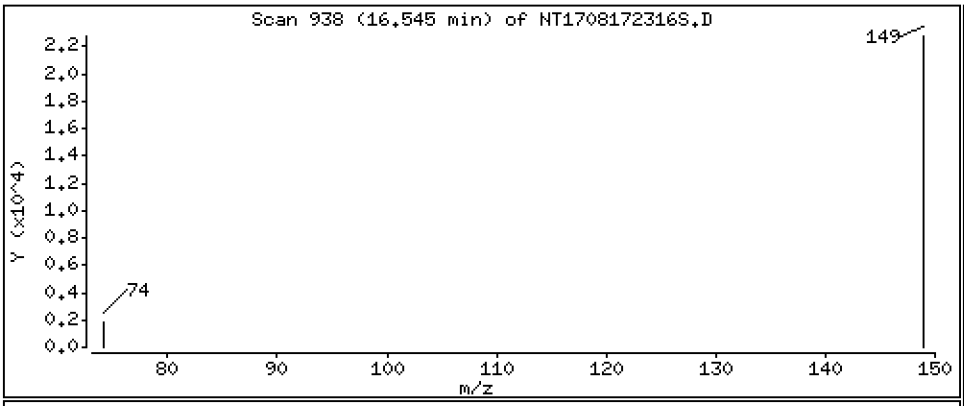
Operator: JGR

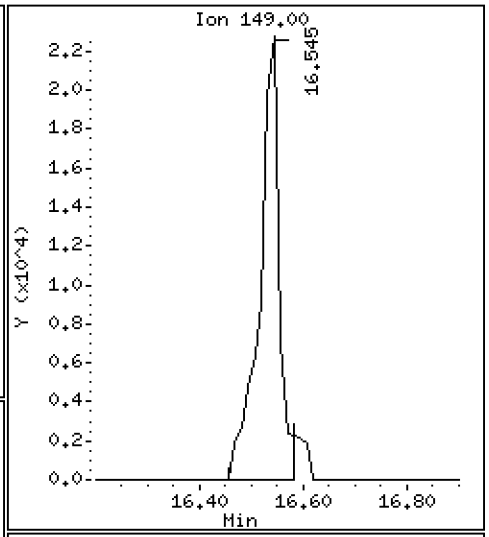
Column phase: ZB-5msi

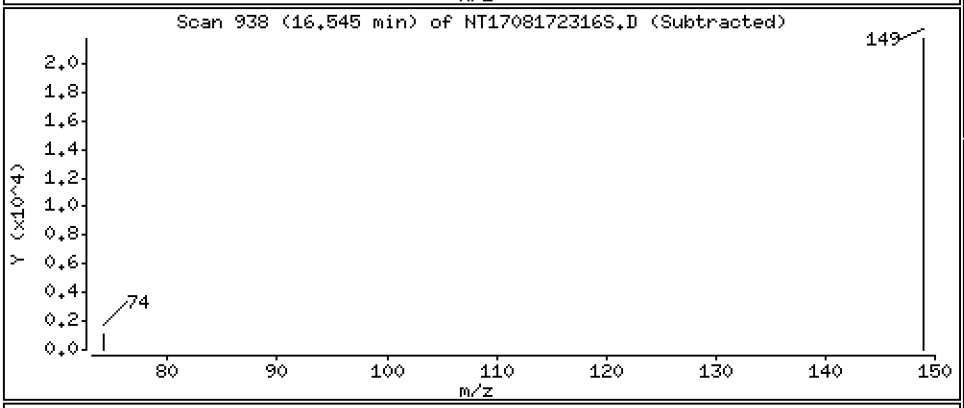
Column diameter: 0.25

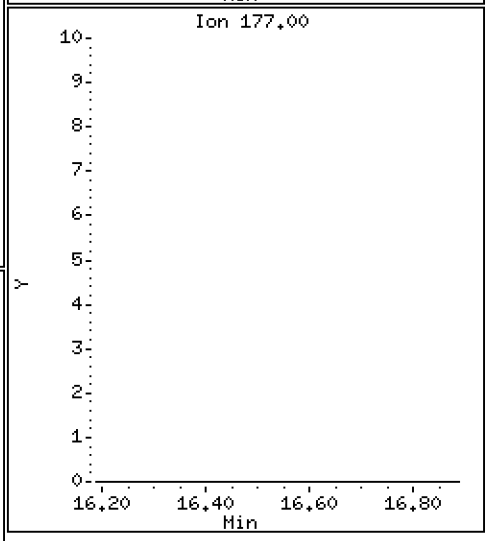
50 Diethylphthalate

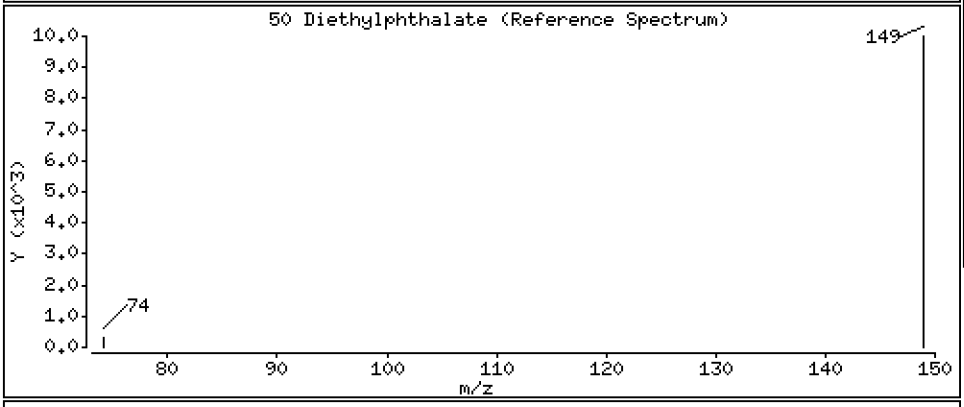
Concentration: 0.3193 ug/mL

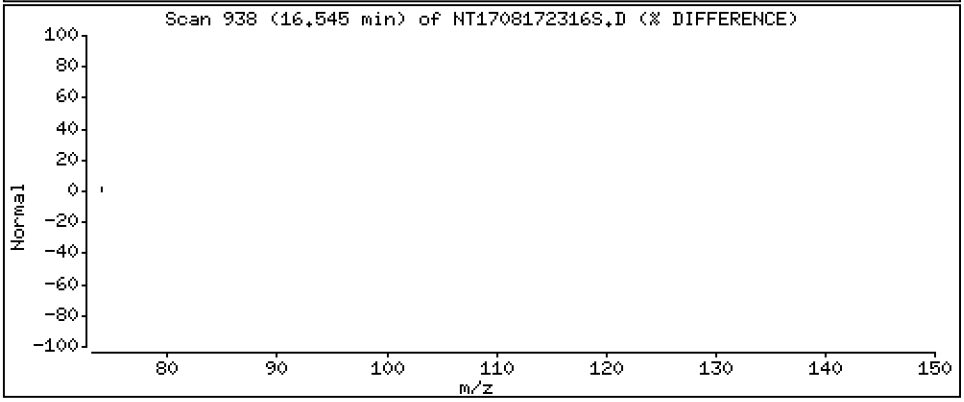












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Date : 18-AUG-2023 04:56

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-07

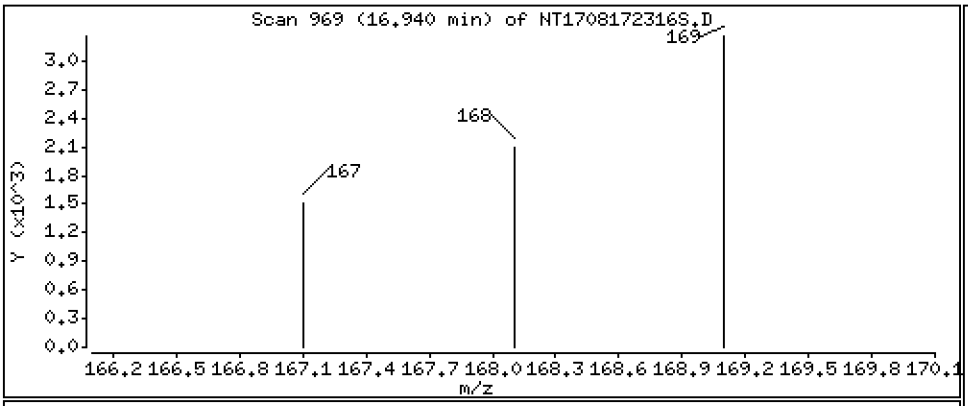
Operator: JGR

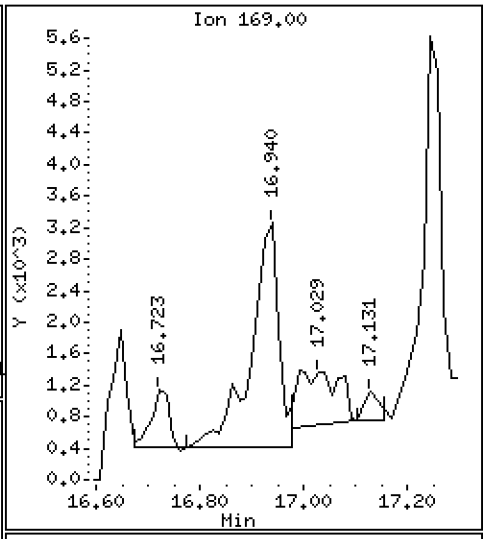
Column phase: ZB-5msi

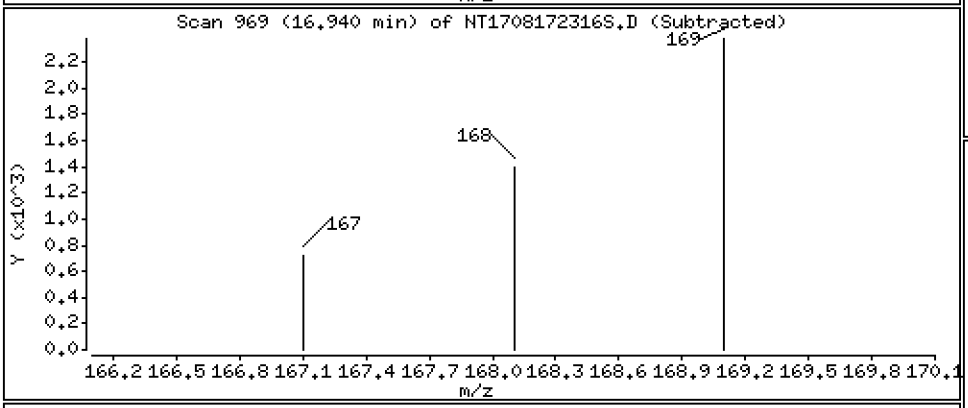
Column diameter: 0.25

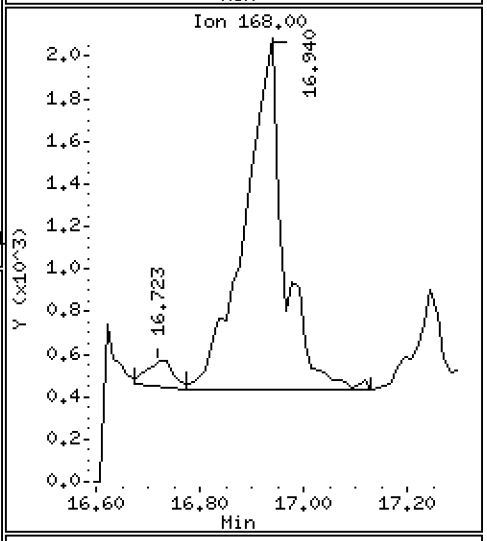
54 N-Nitrosodiphenylamine

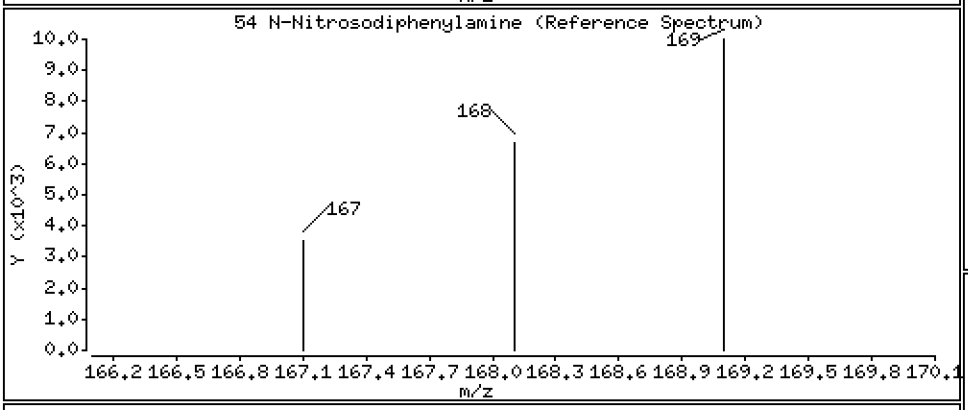
Concentration: 0.08961 ug/mL

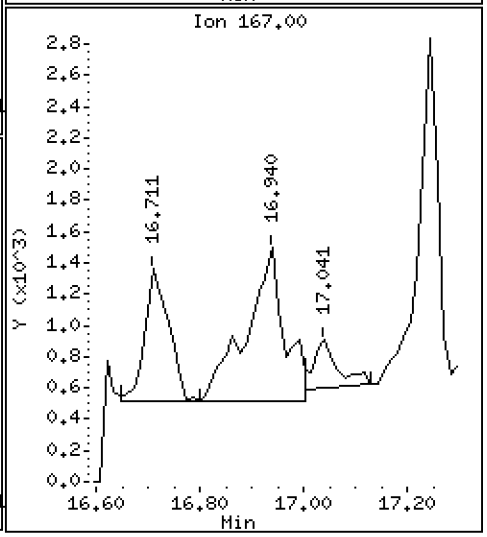


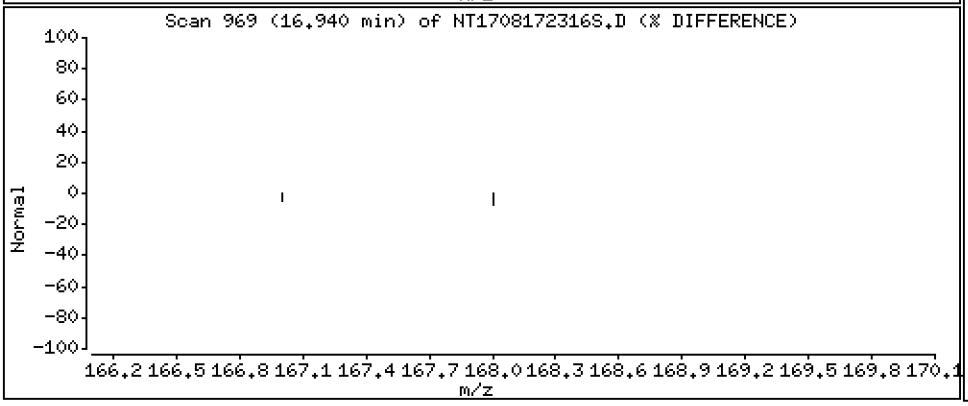












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Date : 18-AUG-2023 04:56

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-07

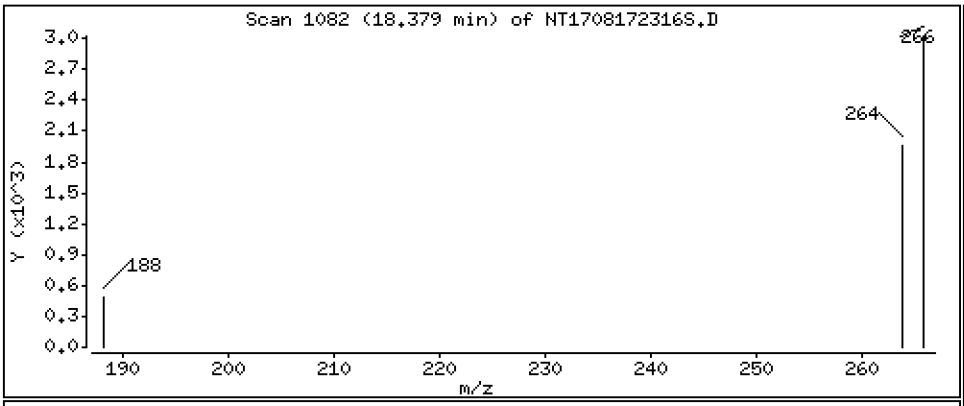
Operator: JGR

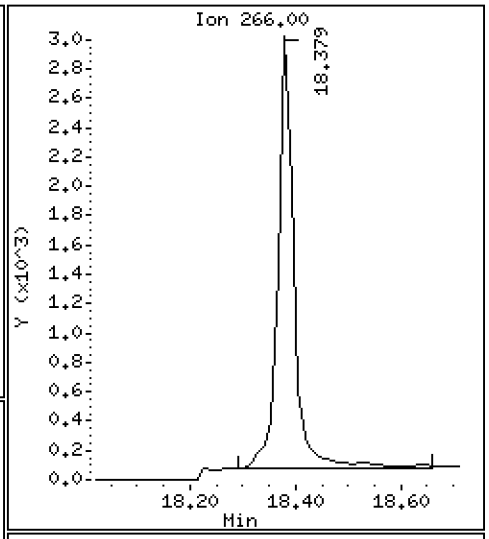
Column phase: ZB-5msi

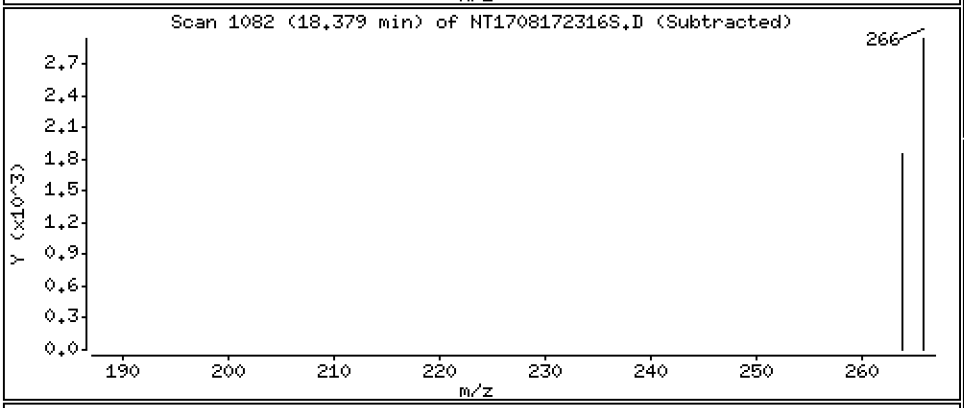
Column diameter: 0.25

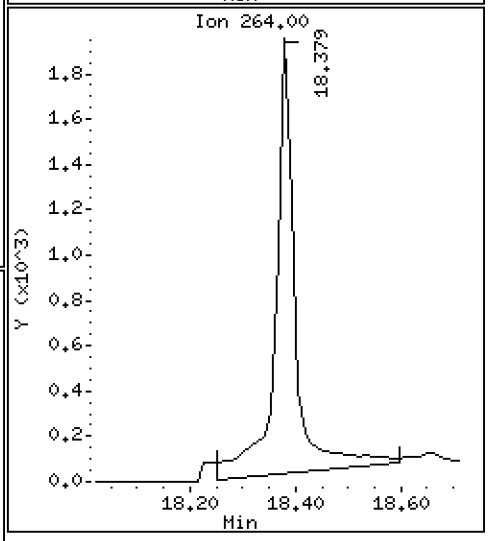
58 Pentachlorophenol

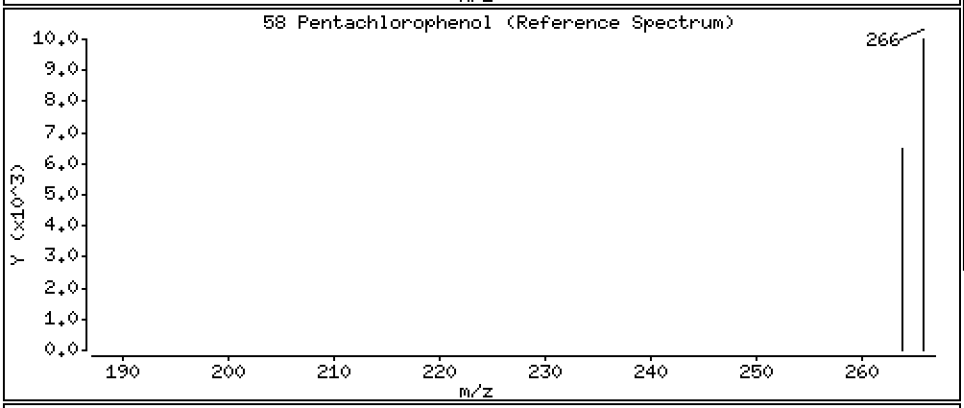
Concentration: 0.2368 ug/mL

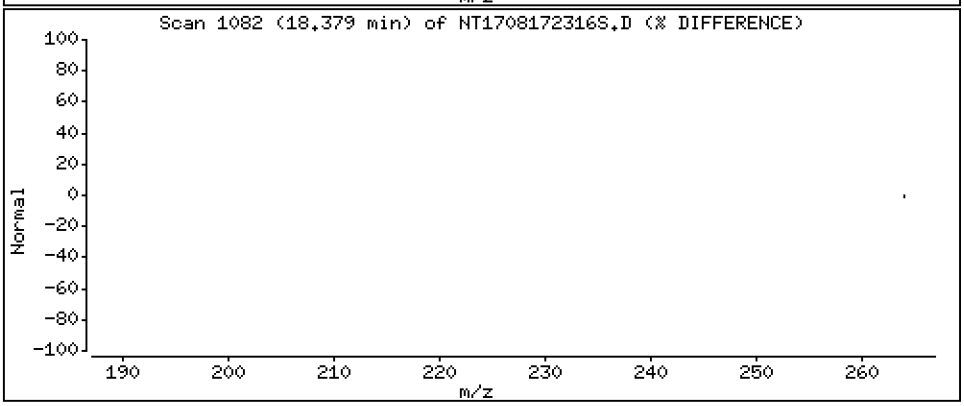












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Date : 18-AUG-2023 04:56

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-07

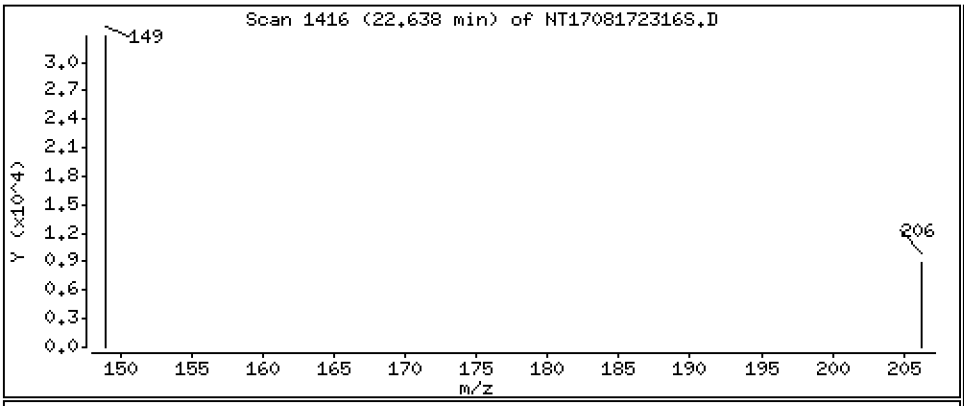
Operator: JGR

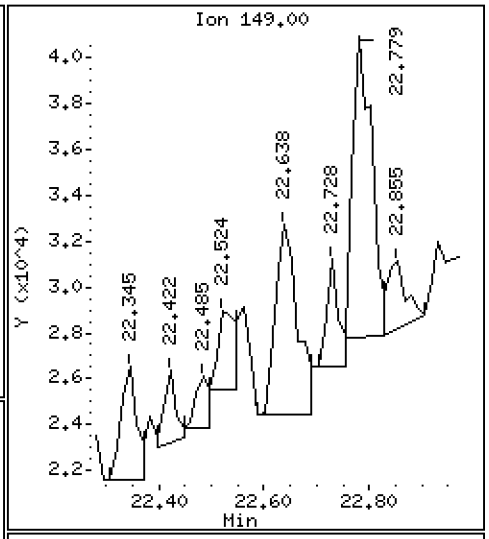
Column phase: ZB-5msi

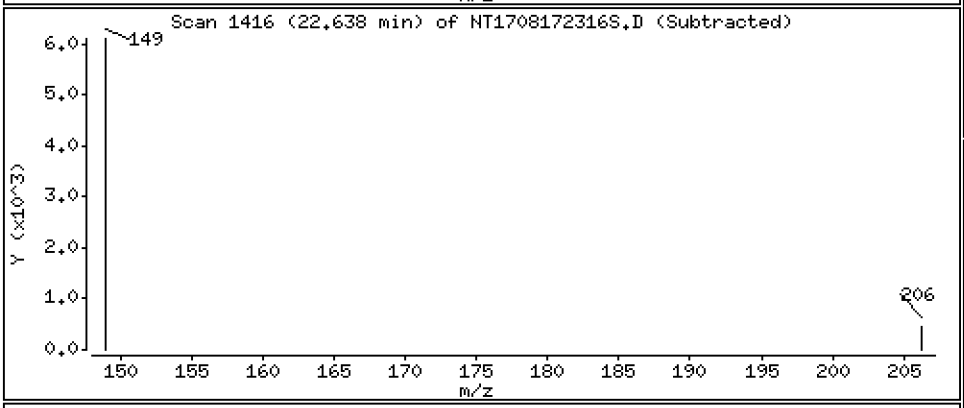
Column diameter: 0.25

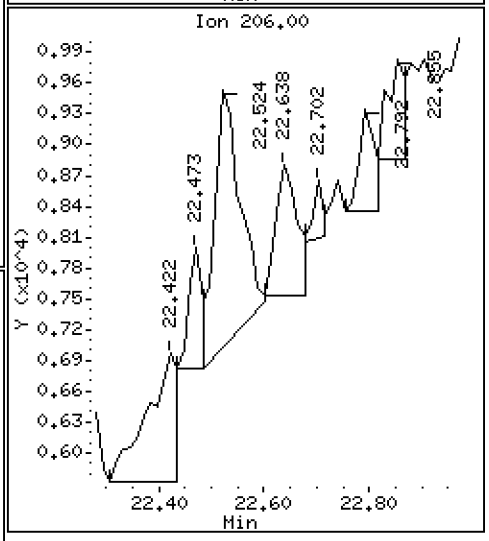
67 Butylbenzylphthalate

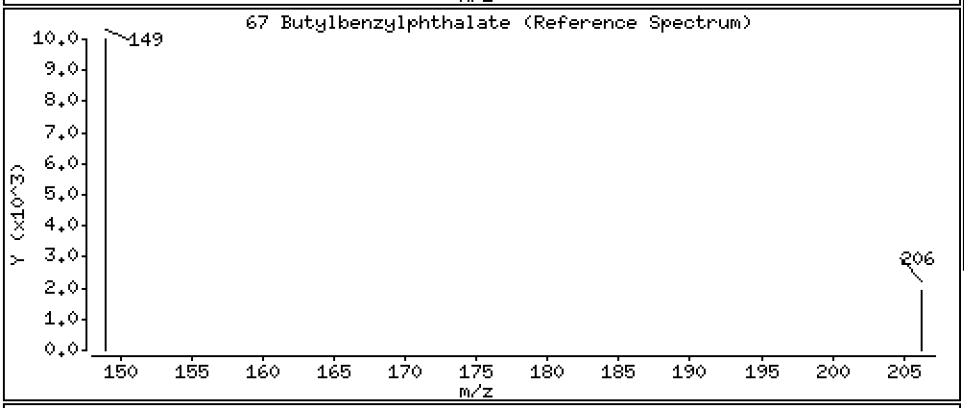
Concentration: 0.1479 ug/mL

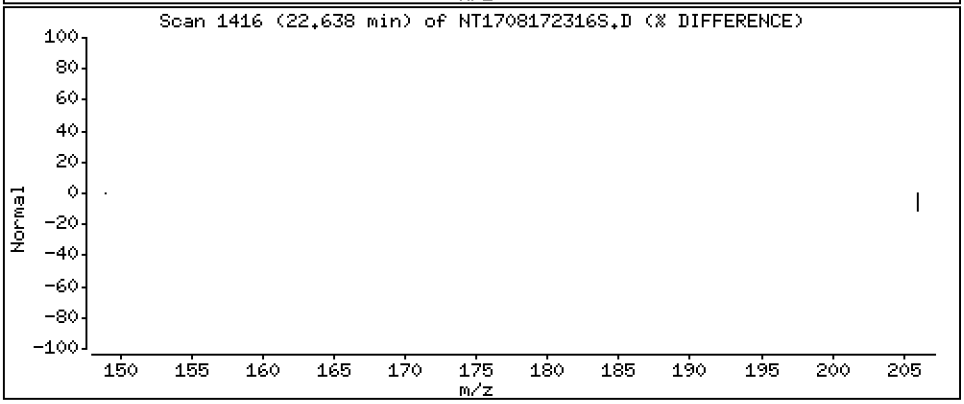












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Date : 18-AUG-2023 04:56

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-07

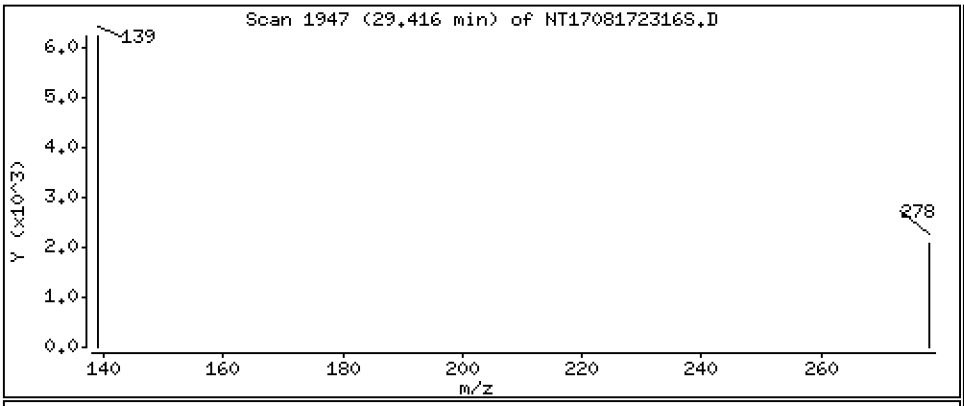
Operator: JGR

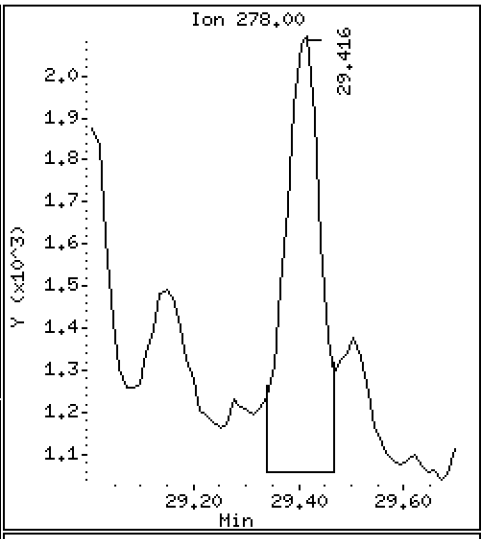
Column phase: ZB-5msi

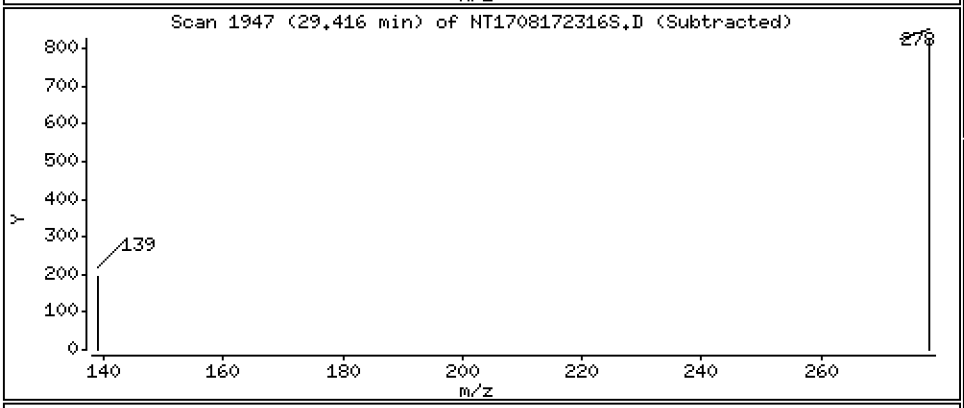
Column diameter: 0.25

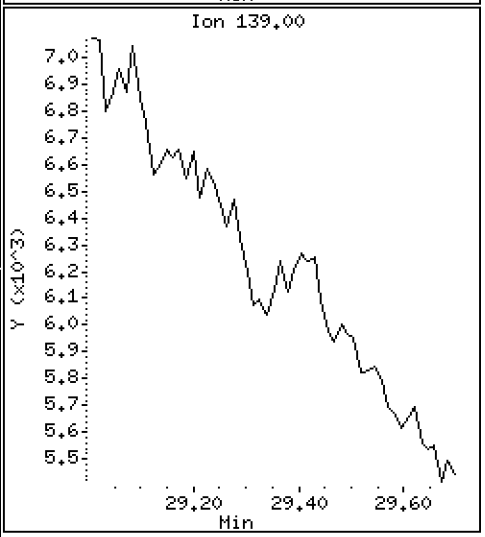
79 Dibenzo(a,h)anthracene

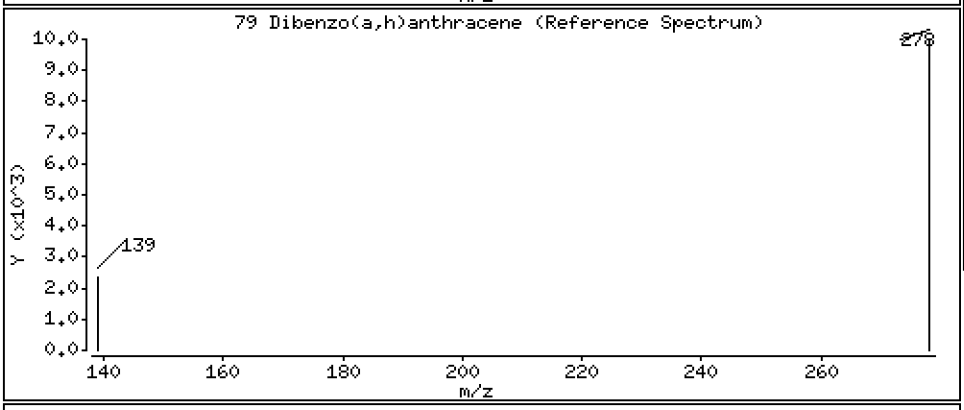
Concentration: 0.05180 ug/mL

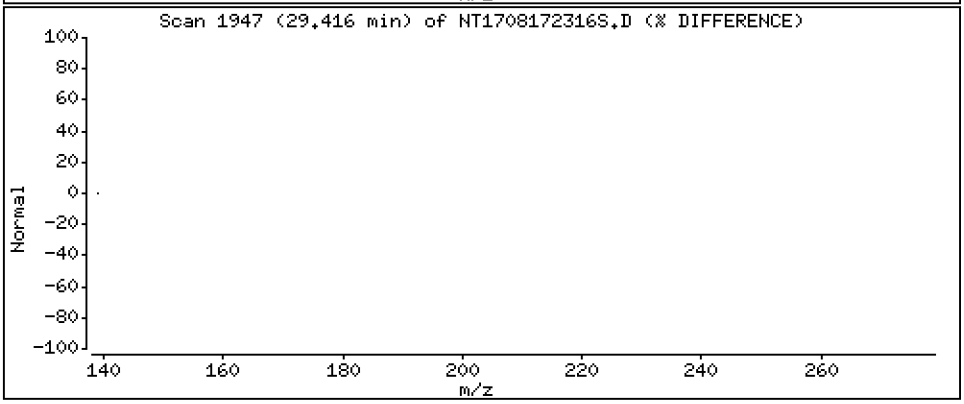












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172316S.D
Lab Smp Id: 23H0221-07
Inj Date : 18-AUG-2023 04:56
Operator : JGR Inst ID: nt17.i
Smp Info : 23H0221-07
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Meth Date : 19-Aug-2023 11:00 JoshuaR Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	7.311	7.285	(0.768)	708712	5.29302	5.293(R)
	3 Phenol	94	8.890	8.878	(0.934)	53801	0.26359	0.2636
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	9.515	9.515	(1.000)	322467	4.00000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	79	9.873	9.784	(1.038)	39403	0.27892	0.2789
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	15 4-Methylphenol	108	10.269	10.256	(1.079)	29822	0.23055	0.2305
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	24 Benzoic acid	105	11.444	11.431	(0.954)	178737	2.05581	2.056
	26 1,2,4-Trichlorobenzene	180	11.903	11.916	(0.993)	1312	0.01455	0.01455
*	27 Naphthalene-d8	136	11.993	12.005	(1.000)	1315125	4.00000	
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	39 Dimethylphthalate	163	15.091	15.091	(0.967)	6277	0.03459	0.03459
*	42 Acenaphthene-d10	162	15.614	15.614	(1.000)	558364	4.00000	
	50 Diethylphthalate	149	16.545	16.545	(1.060)	60243	0.31925	0.3193
	54 N-Nitrosodiphenylamine	169	16.939	16.939	(0.908)	10874	0.08961	0.08961
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	18.378	18.366	(0.986)	6389	0.23680	0.2368
*	59 Phenanthrene-d10	188	18.646	18.646	(1.000)	844094	4.00000	
$	66 Terphenyl-d14	244	21.732	21.720	(0.919)	339098	3.90141	3.901(R)
	67 Butylbenzylphthalate	149	22.638	22.625	(0.957)	24649	0.14789	0.1479
*	69 Chrysene-d12	240	23.646	23.620	(1.000)	628093	4.00000	
*	77 Perylene-d12	264	26.478	26.414	(1.000)	320158	4.00000	
	79 Dibenzo(a,h)anthracene	278	29.416	29.352	(1.111)	4898	0.05180	0.05180(M)
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708172316S.D
Lab Smp Id: 23H0221-07
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Misc Info:

Calibration Date: 17-AUG-2023
Calibration Time: 20:49
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	348452	174226	696904	322467	-7.46
27 Naphthalene-d8	1404170	702085	2808340	1315125	-6.34
42 Acenaphthene-d10	619161	309581	1238322	558364	-9.82
59 Phenanthrene-d10	992768	496384	1985536	844094	-14.98
69 Chrysene-d12	642334	321167	1284668	628093	-2.22
77 Perylene-d12	573362	286681	1146724	320158	-44.16

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.52	9.02	10.02	9.52	-0.00
27 Naphthalene-d8	12.01	11.51	12.51	11.99	-0.11
42 Acenaphthene-d10	15.61	15.11	16.11	15.61	-0.00
59 Phenanthrene-d10	18.65	18.15	19.15	18.65	-0.00
69 Chrysene-d12	23.62	23.12	24.12	23.65	0.11
77 Perylene-d12	26.41	25.91	26.91	26.48	0.24

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

REVIEW SUMMARY FOR FILE - NT1708172316S.D

Lab ID: 23H0221-07
nt17.i, 20230817.b\SIM.b\SIMABN2.m,   18-AUG-2023 04:56

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
1.038	1.028	0.0094	Benzyl alcohol

RRT check based on Ccal File: SIM.b/NT1708172303S.D

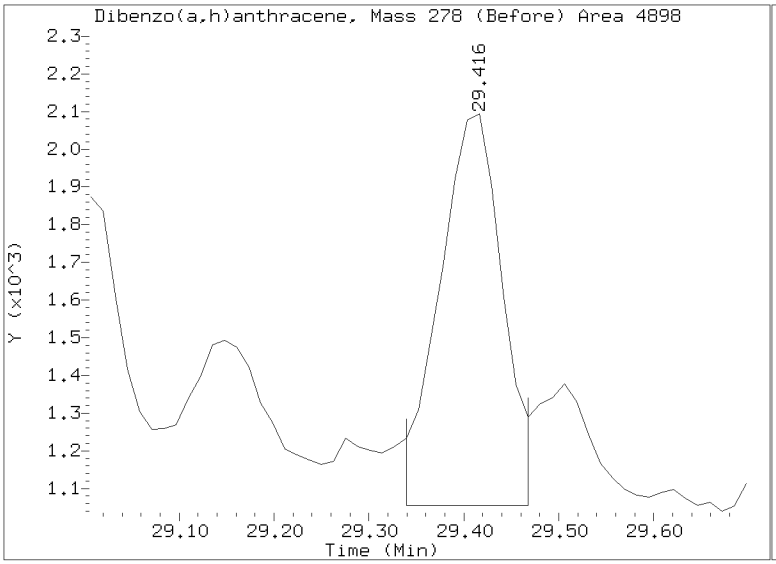
On Column LOD for nt17.i, SIM.b\SIMABN2.m, PSDDA.sub = 0.0000

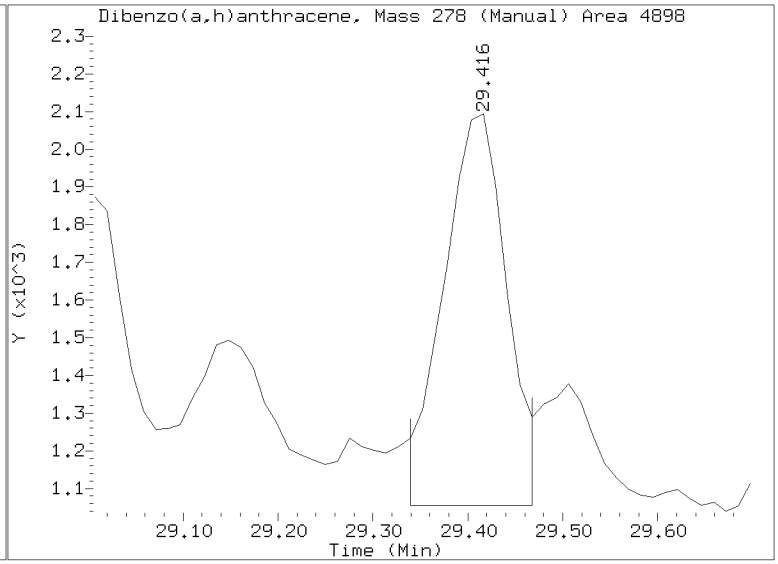
Exception: 1,2,4-Trichlorobenzene 0.0010

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

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230817.b/SIM.b/NT1708172316S.D
Injection Date: 18-AUG-2023 04:56
Lab ID:23H0221-07 Client ID:
Report Date: 08/19/2023 11:06





LDW23-SS1806

Form I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E-SIM

SIM SVOC Organics (Dual scan list)

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC5 MR Phase 1				
Matrix:	Sediment	Laboratory ID:	23H0221-08 B	SDG:	23H0221
Sampled:	04/11/23 16:22	Prepared:	08/14/23 09:29	File ID:	NT1708172317S.D
% Solids:	75.72	Preparation:	EPA 3546 (Microwave)	Analyzed:	08/18/23 05:33
Batch:	BLH0329	Sequence:	SLH0293	Initial/Final:	13.25 g Wet / 1 mL
Instrument:	NT17	Column:	ZB-5MS	Calibration:	GH00045
Cleanups:	GPC				

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
106-46-7	1,4-Dichlorobenzene	1	5.0	U	0.6	5.0
95-50-1	1,2-Dichlorobenzene	1	5.0	U	0.7	5.0
100-51-6	Benzyl Alcohol	1	17.6	J	2.5	19.9
65-85-0	Benzoic acid	1	49.0	J	13.4	99.7
105-67-9	2,4-Dimethylphenol	1	19.9	U	2.2	19.9
120-82-1	1,2,4-Trichlorobenzene	1	5.0	U	2.7	5.0
86-30-6	N-Nitrosodiphenylamine	1	1.7	J	1.3	5.0
87-86-5	Pentachlorophenol	1	19.9	U	2.1	19.9

SURROGATES	ADDED: (ug/kg dry)	FOUND: (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorophenol	747.54	524	70.2	27 - 120	
p-Terphenyl-d14	498.36	446	89.5	37 - 120	Q

Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT17081723175.D

Date : 18-AUG-2023 05:33

Client ID:

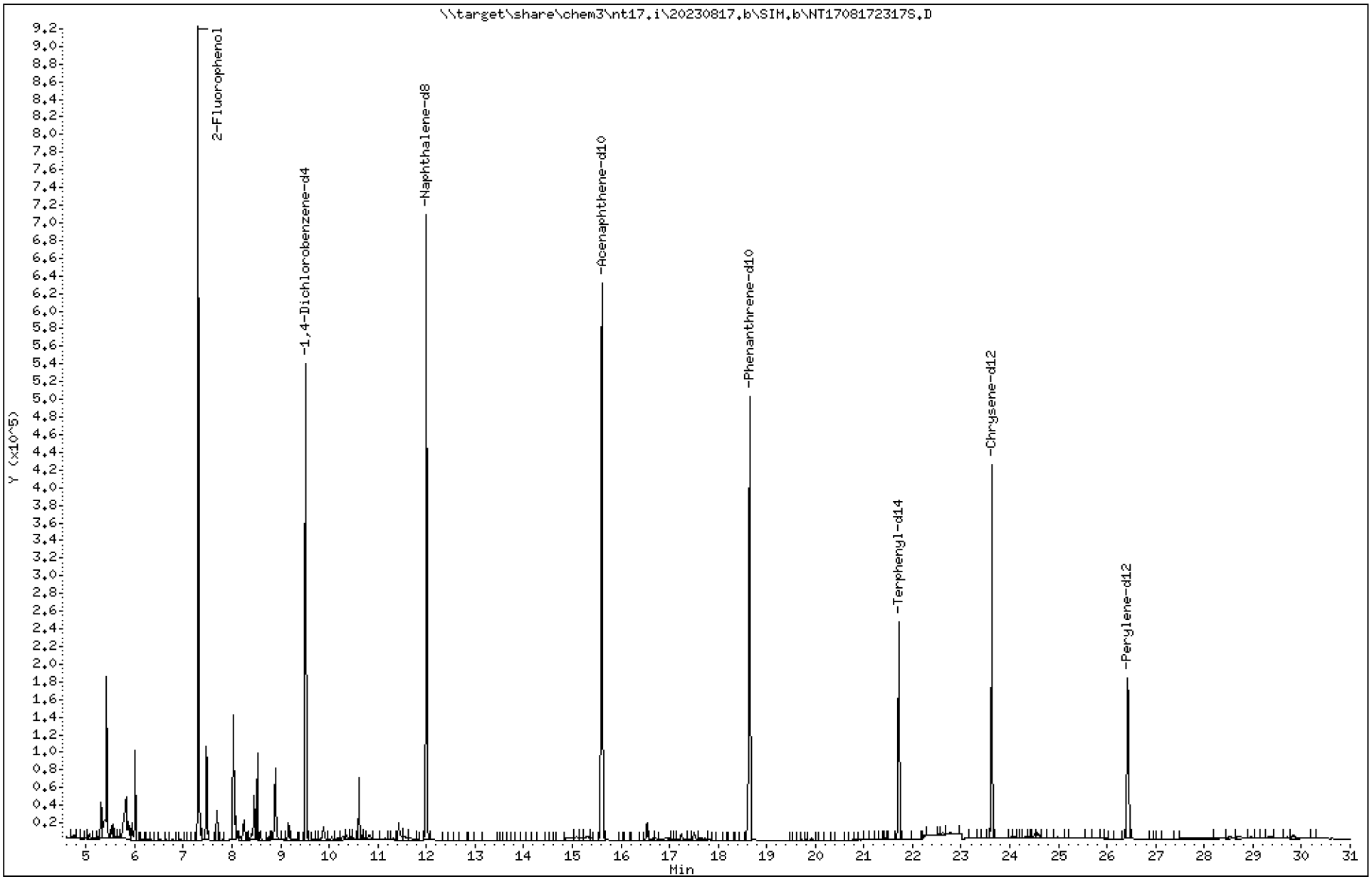
Instrument: nt17.i

Sample Info: 23H0221-08

Operator: YZ

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 18-AUG-2023 05:33

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-08

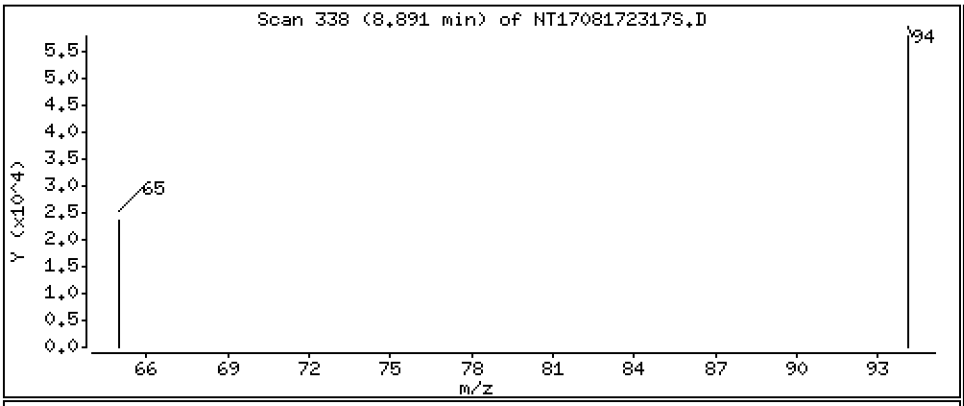
Operator: YZ

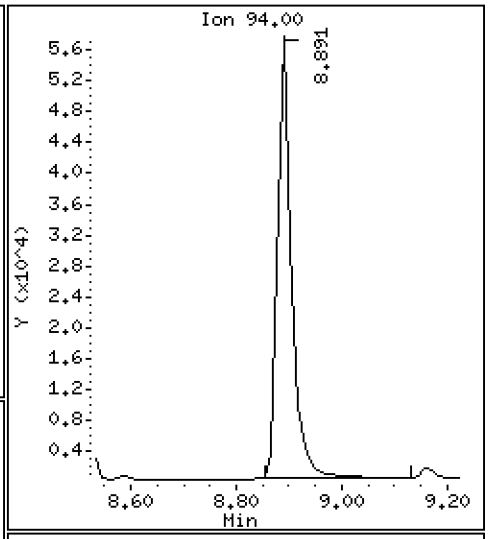
Column phase: ZB-5msi

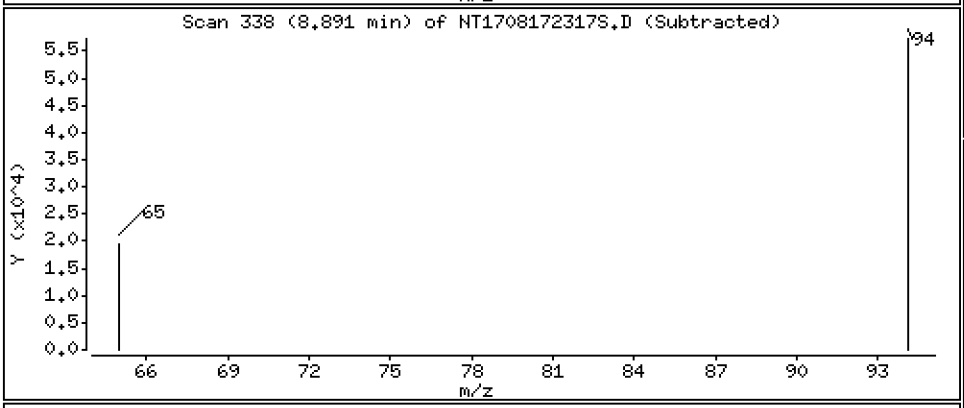
Column diameter: 0.25

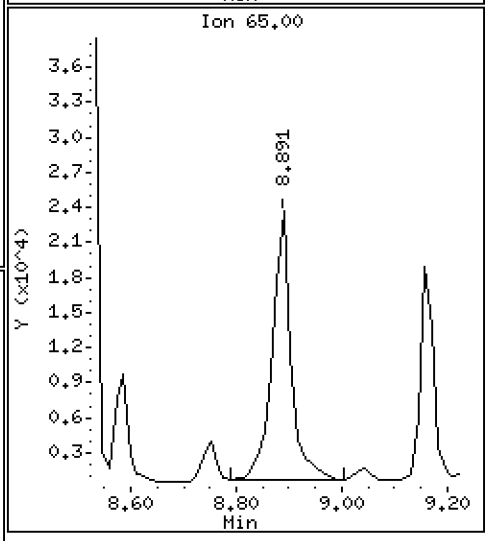
3 Phenol

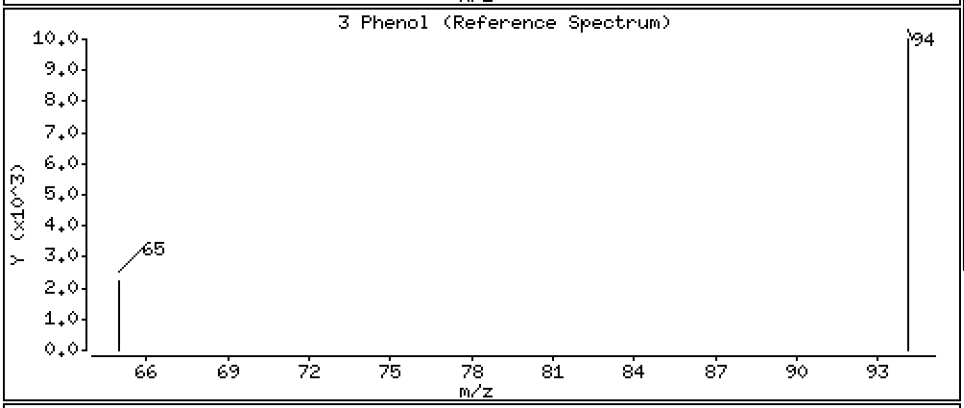
Concentration: 0.5027 ug/mL

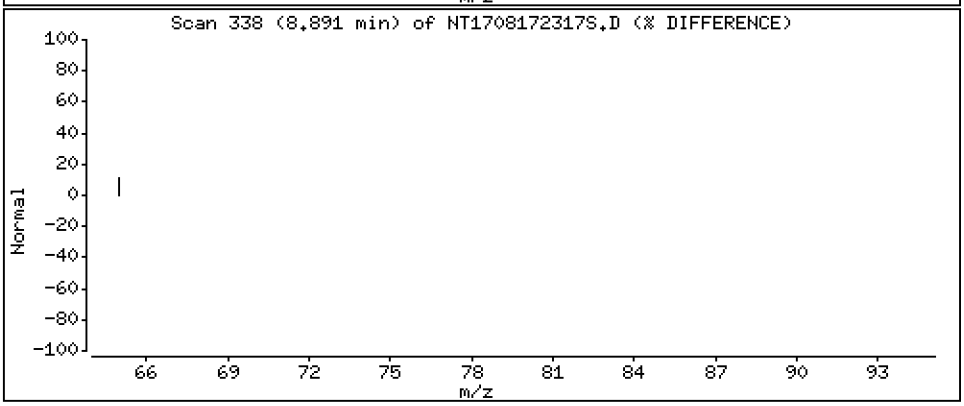












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Date : 18-AUG-2023 05:33

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-08

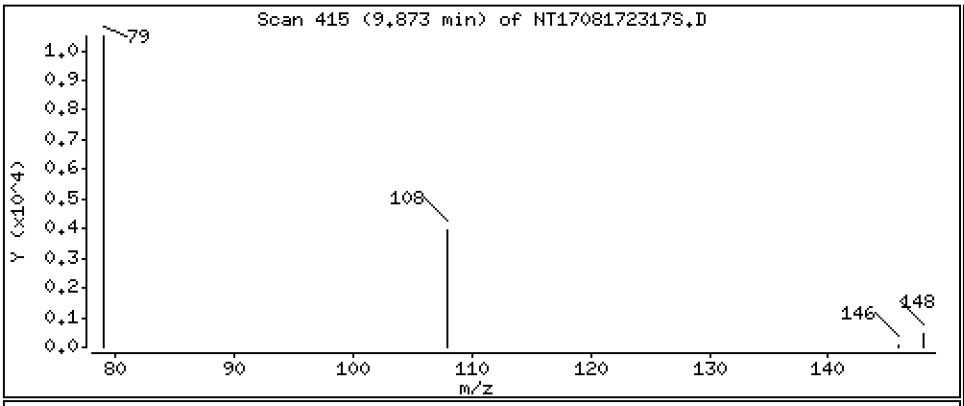
Operator: YZ

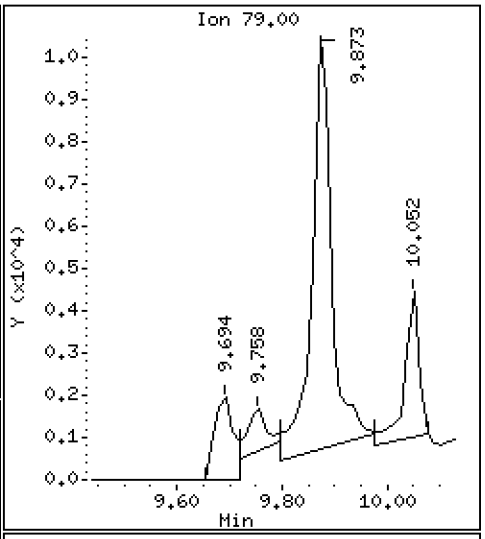
Column phase: ZB-5msi

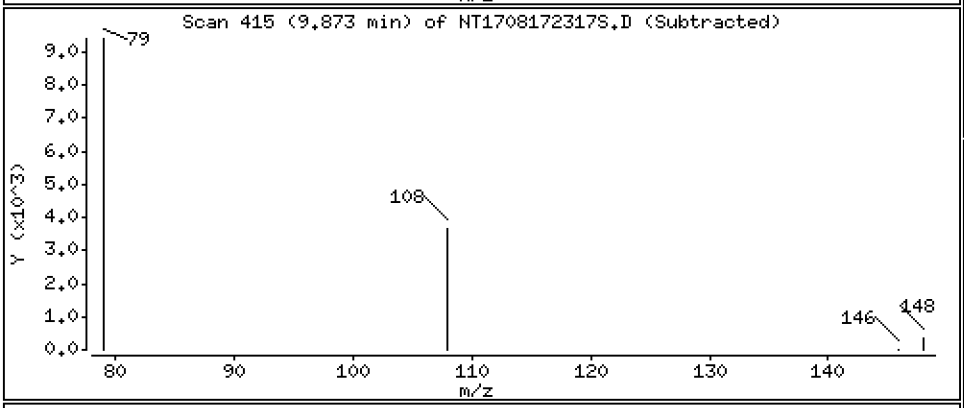
Column diameter: 0.25

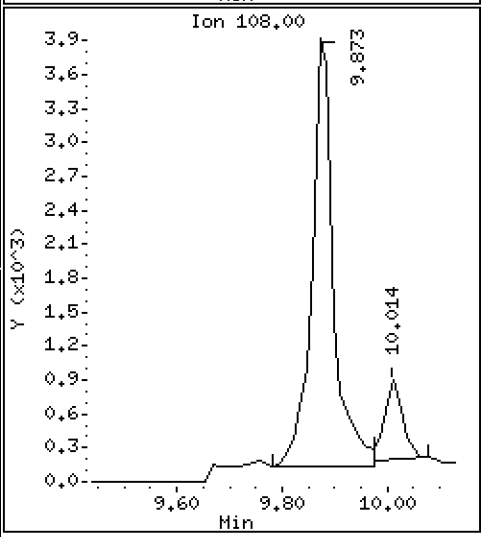
11 Benzyl alcohol

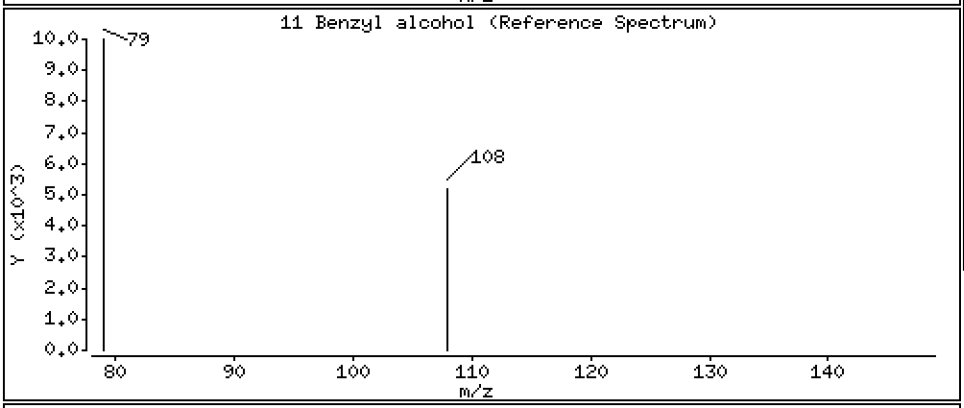
Concentration: 0.1771 ug/mL

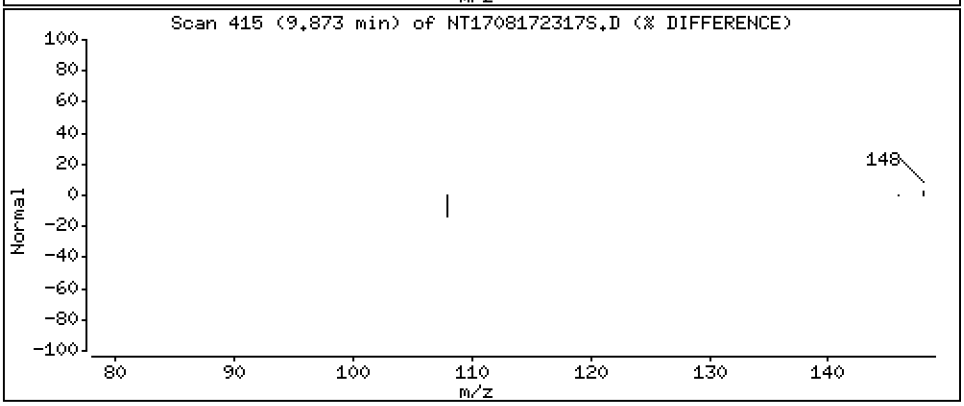












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Date : 18-AUG-2023 05:33

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-08

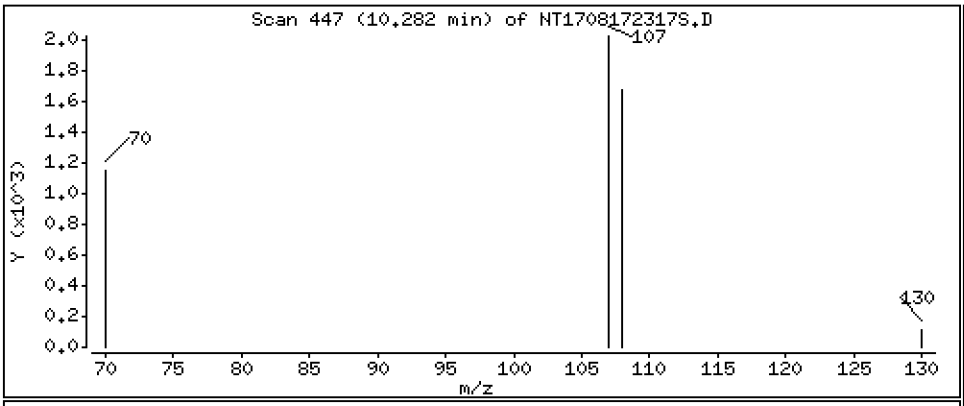
Operator: YZ

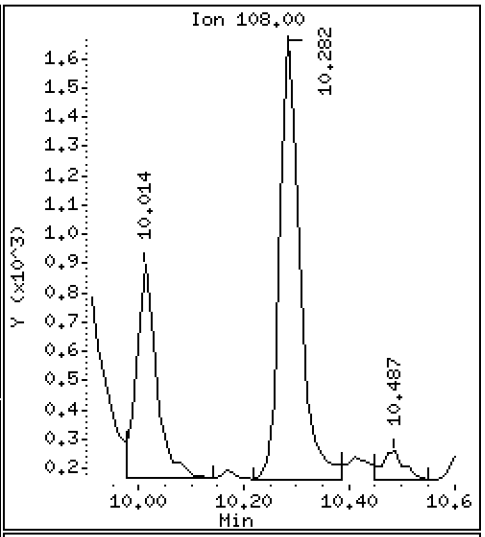
Column phase: ZB-5msi

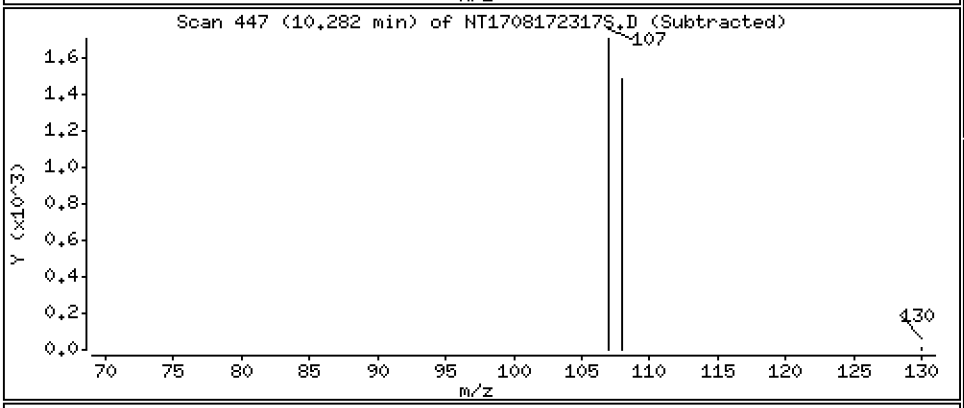
Column diameter: 0.25

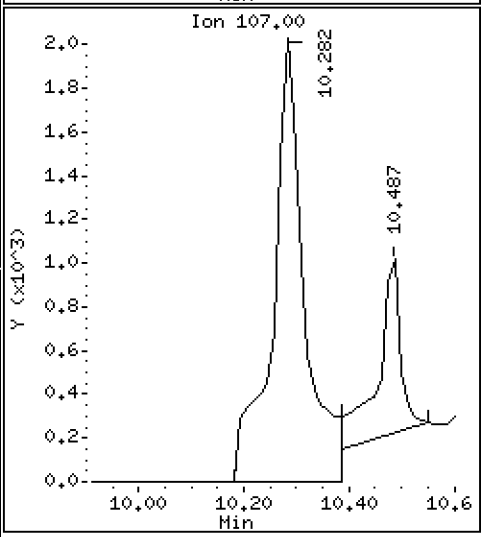
15 4-Methylphenol

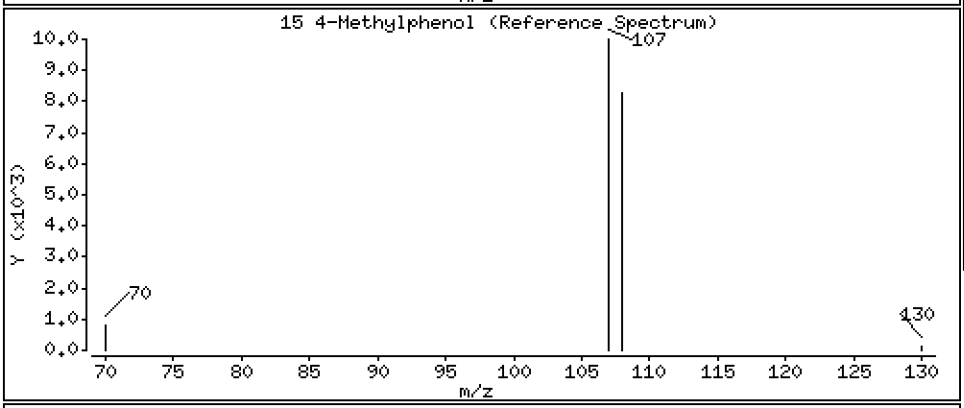
Concentration: 0.03082 ug/mL

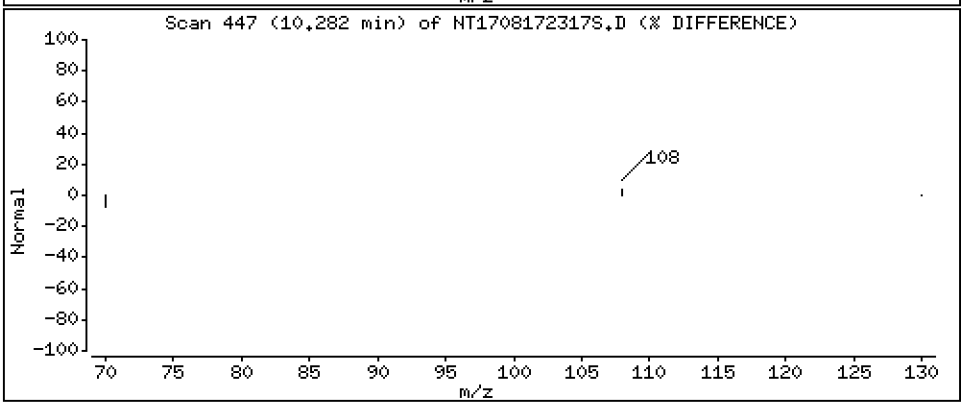












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Date : 18-AUG-2023 05:33

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-08

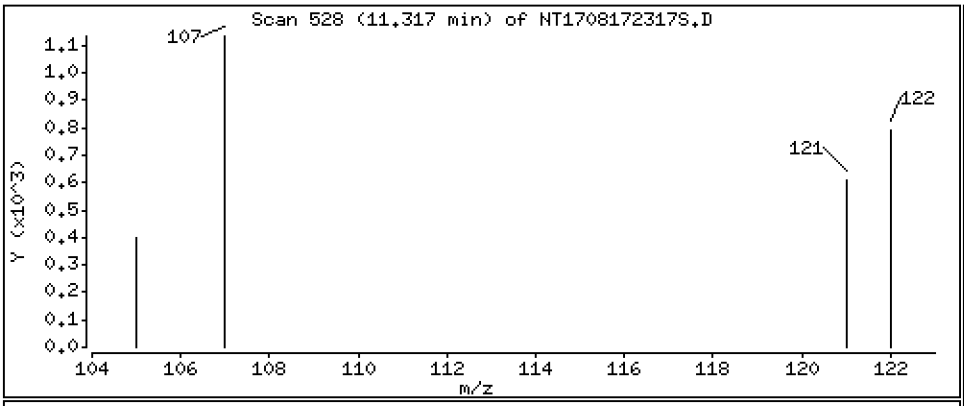
Operator: YZ

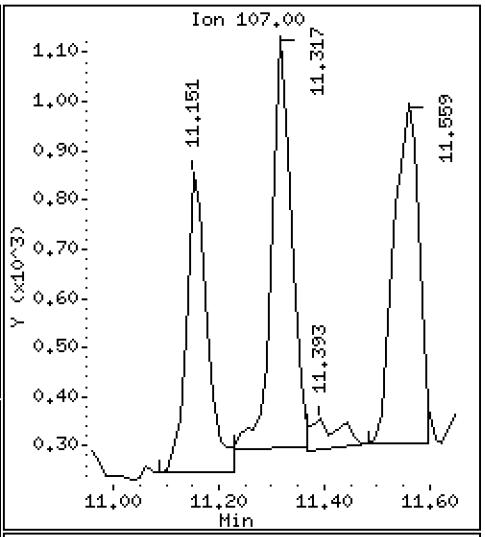
Column phase: ZB-5msi

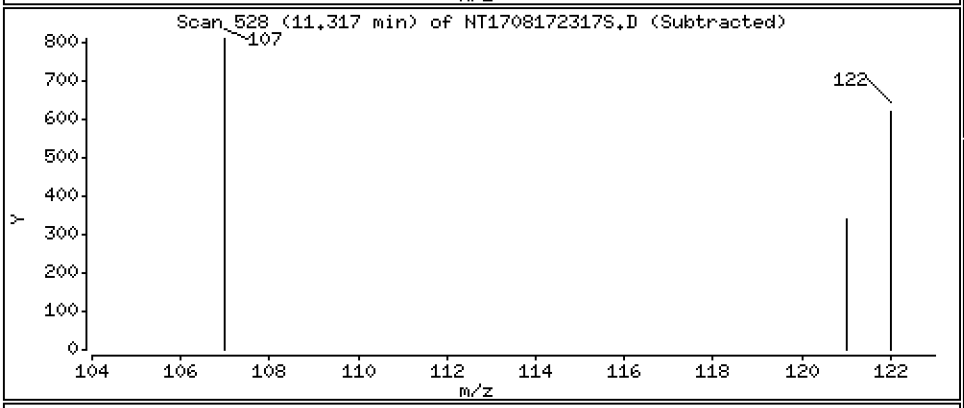
Column diameter: 0.25

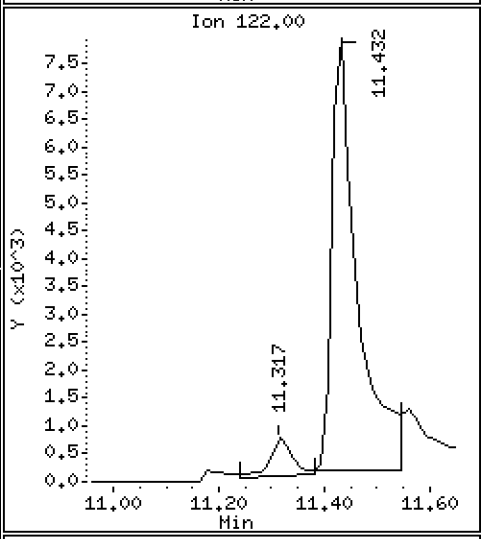
22 2,4-Dimethylphenol

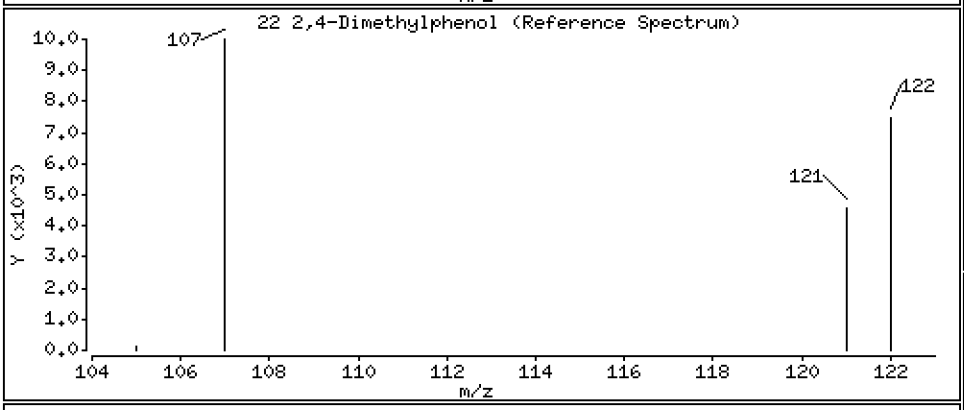
Concentration: 0.01632 ug/mL

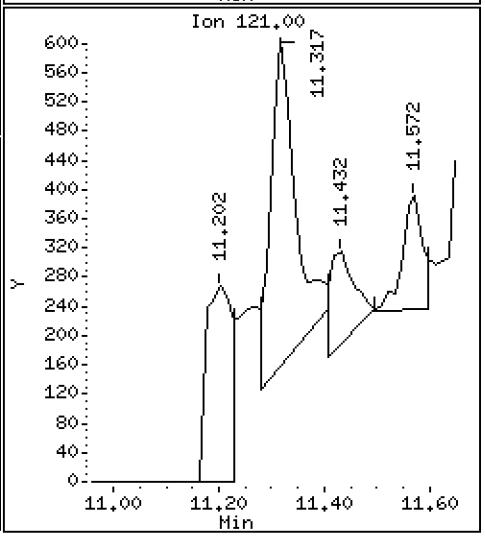


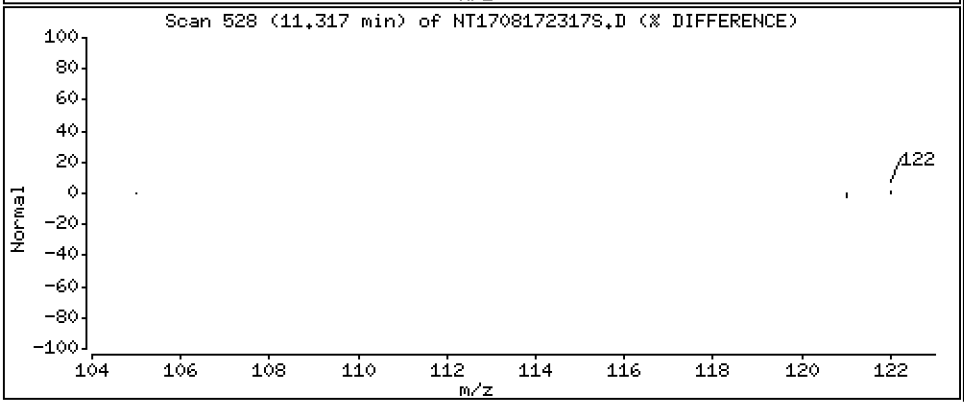












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT17081723175.D

Date : 18-AUG-2023 05:33

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-08

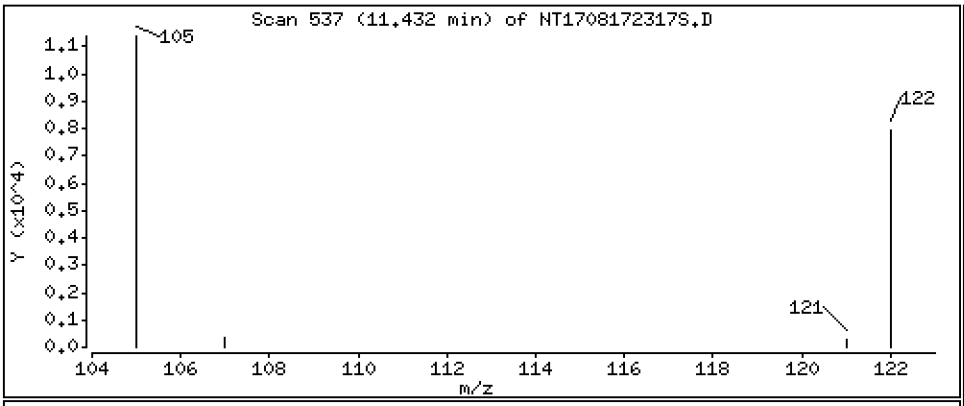
Operator: YZ

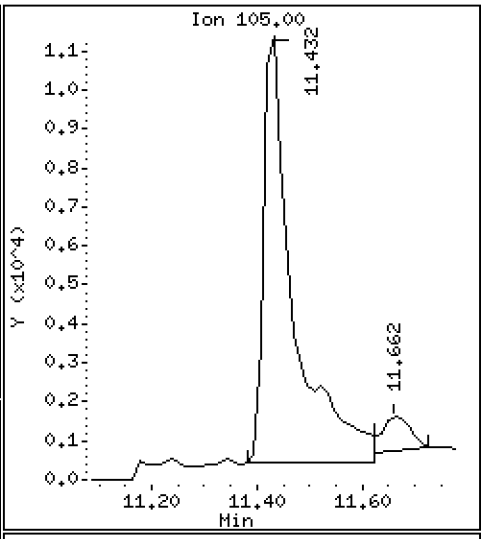
Column phase: ZB-5msi

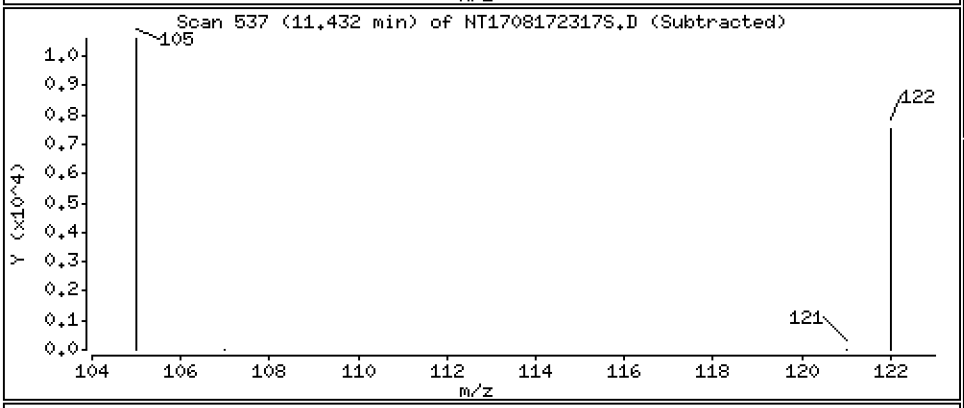
Column diameter: 0.25

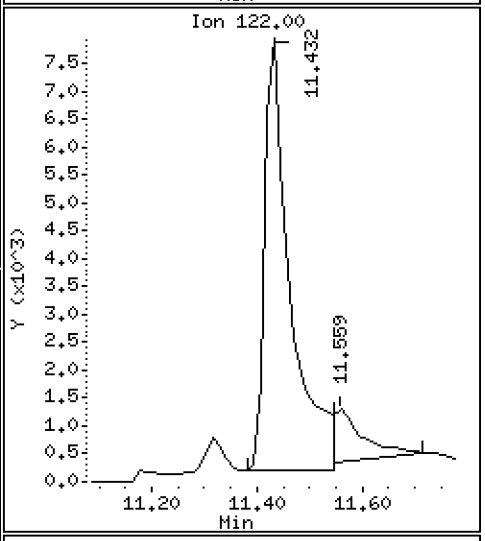
24 Benzoic acid

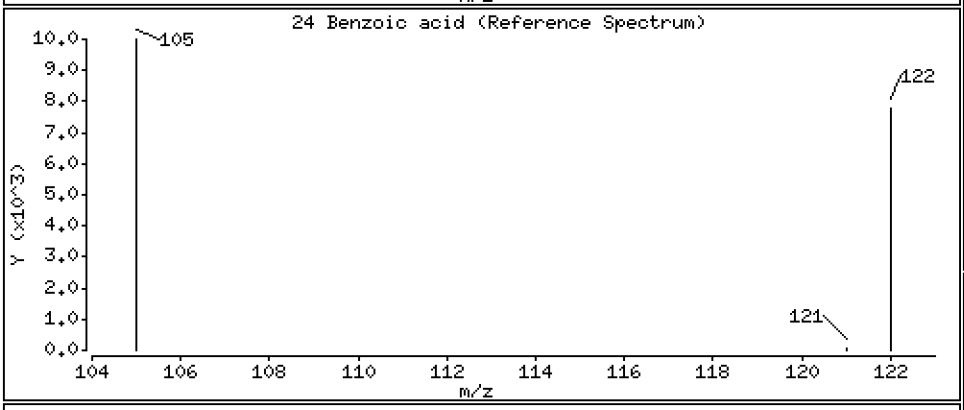
Concentration: 0.4912 ug/mL

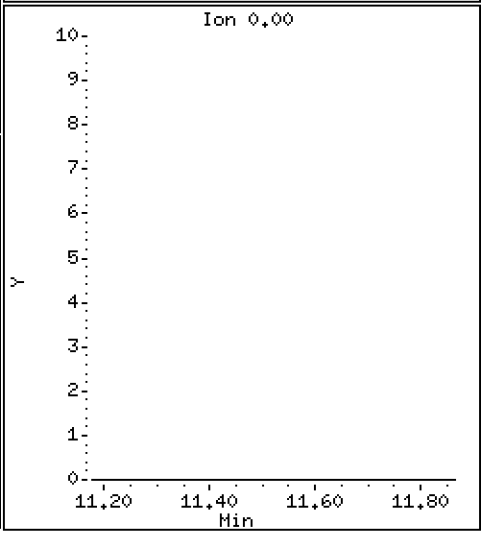


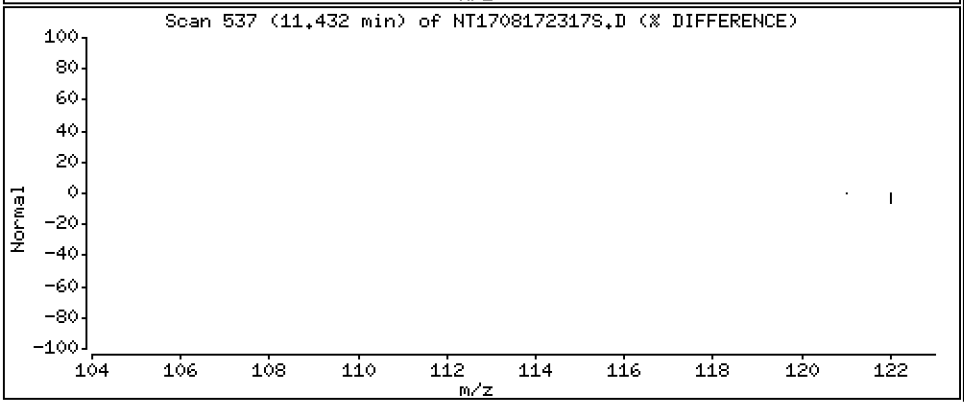












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Date : 18-AUG-2023 05:33

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-08

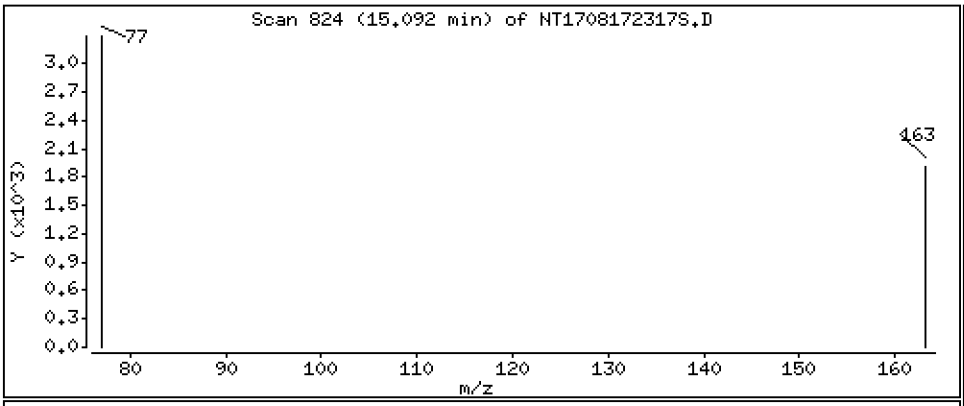
Operator: YZ

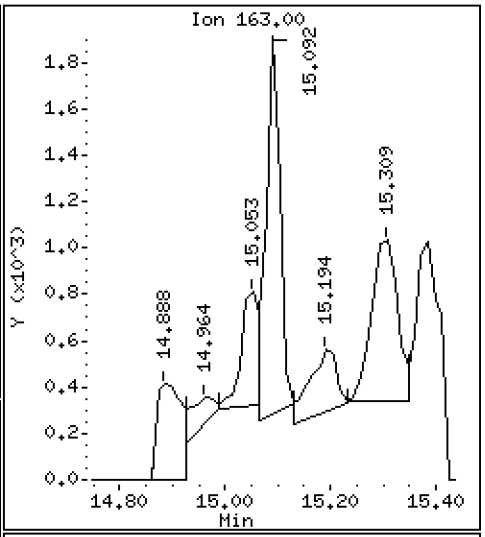
Column phase: ZB-5msi

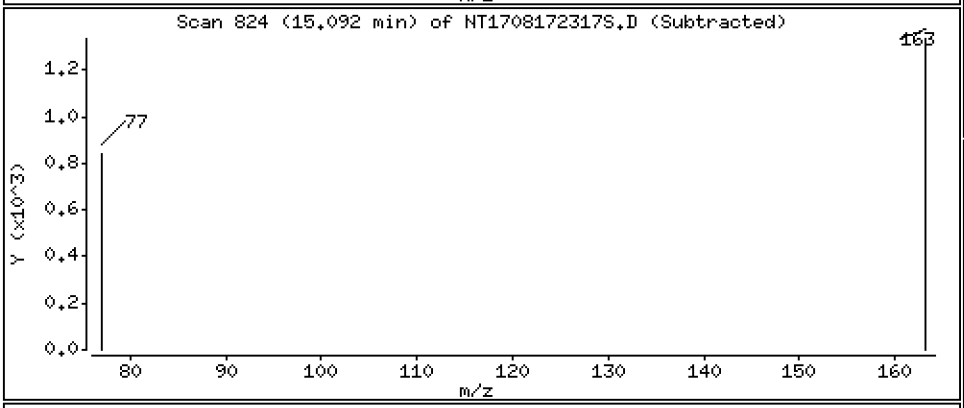
Column diameter: 0.25

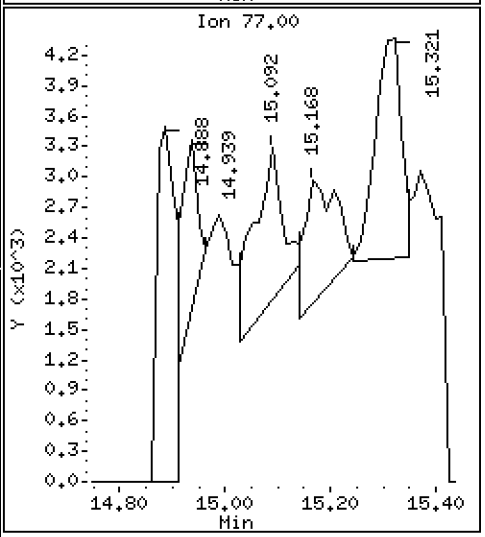
39 Dimethylphthalate

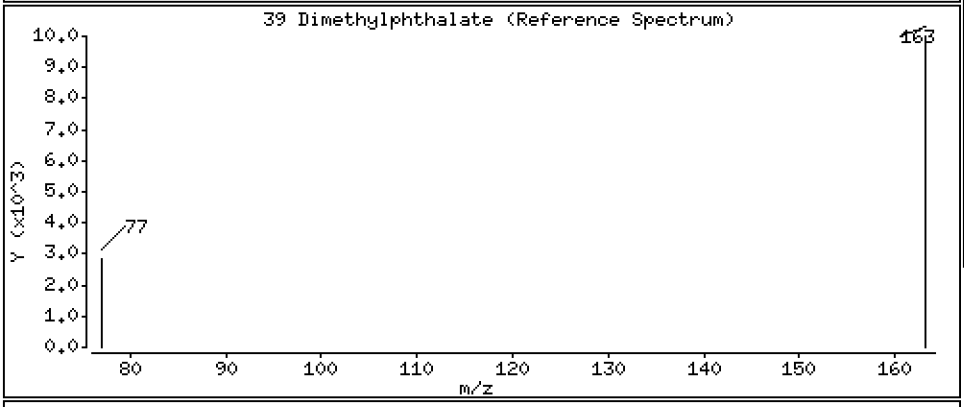
Concentration: 0.01634 ug/mL

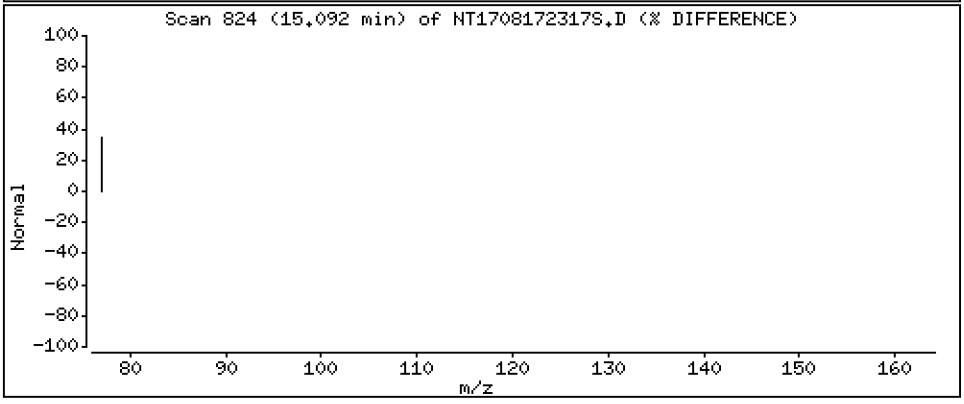












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Date : 18-AUG-2023 05:33

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-08

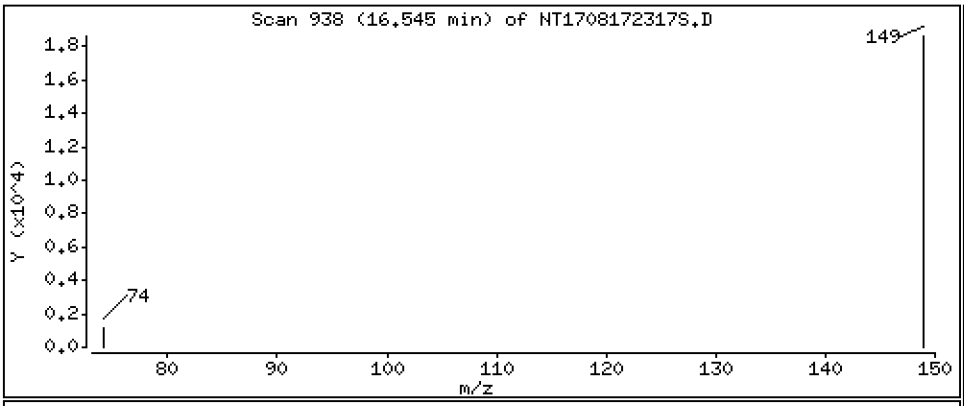
Operator: YZ

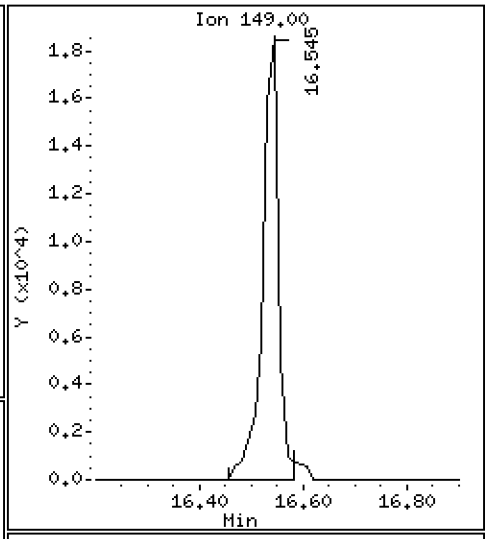
Column phase: ZB-5msi

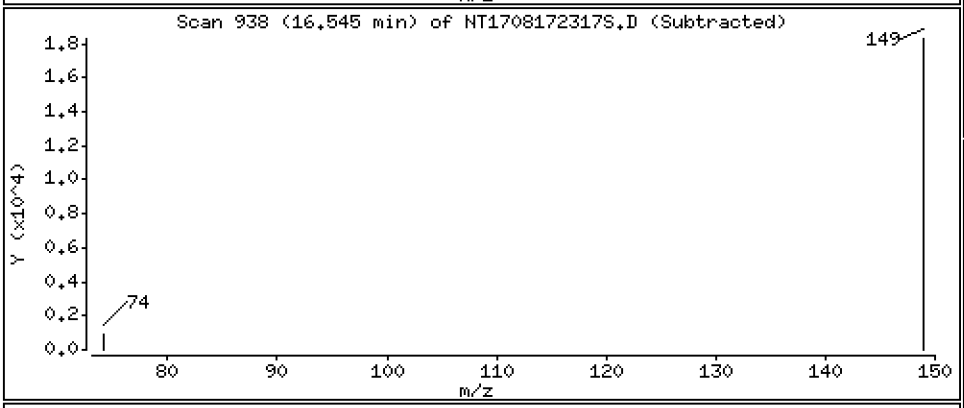
Column diameter: 0.25

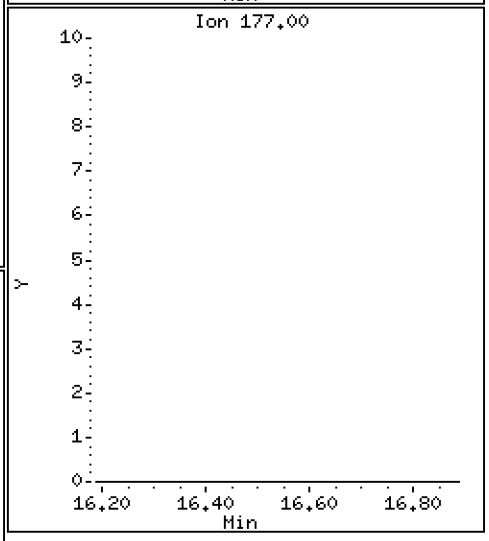
50 Diethylphthalate

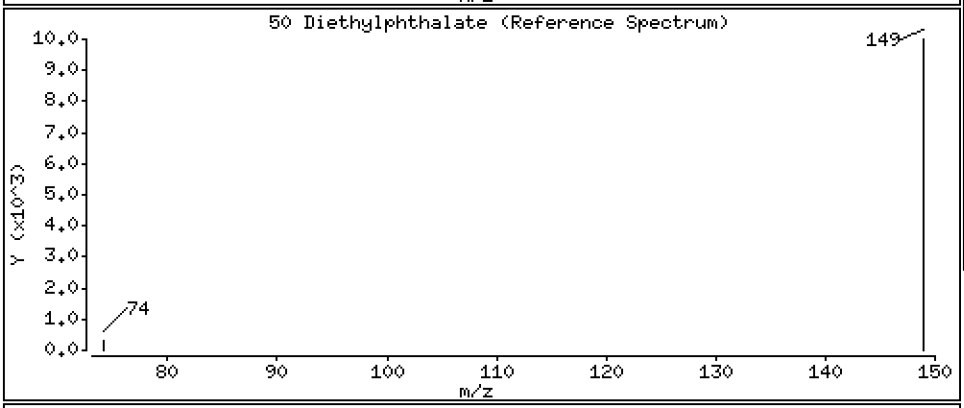
Concentration: 0.2019 ug/mL

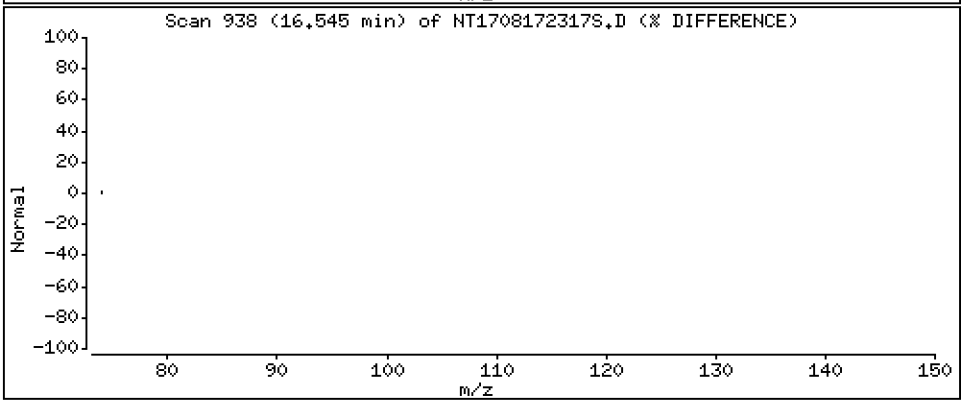












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Date : 18-AUG-2023 05:33

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-08

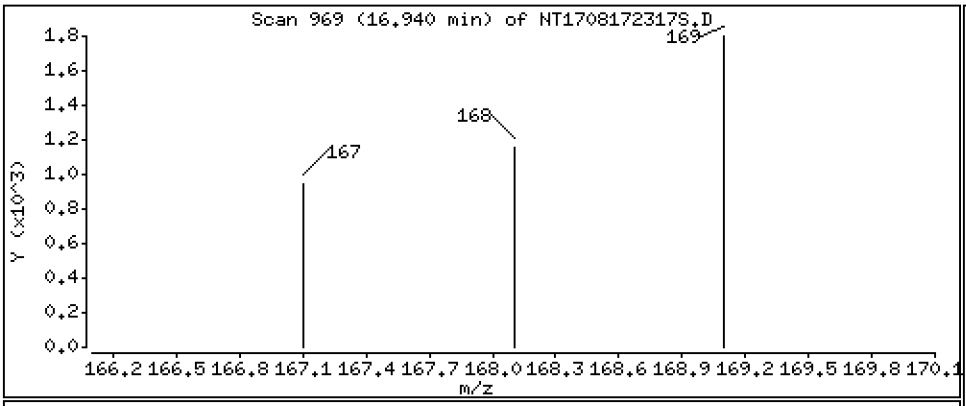
Operator: YZ

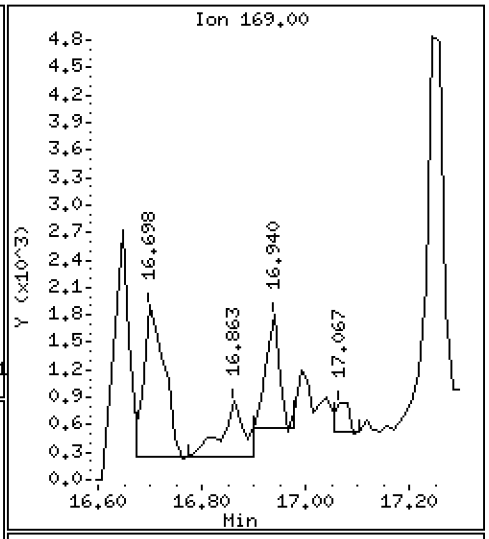
Column phase: ZB-5msi

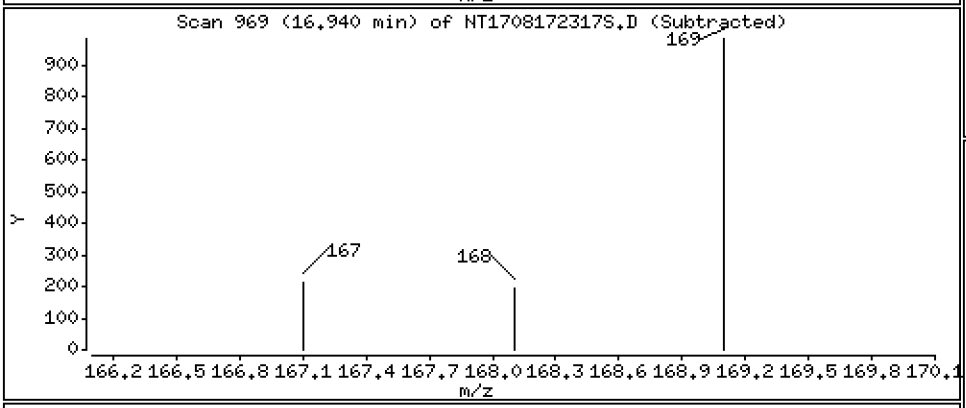
Column diameter: 0.25

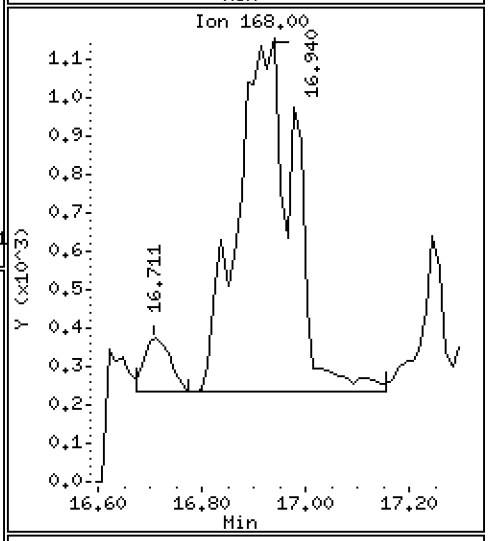
54 N-Nitrosodiphenylamine

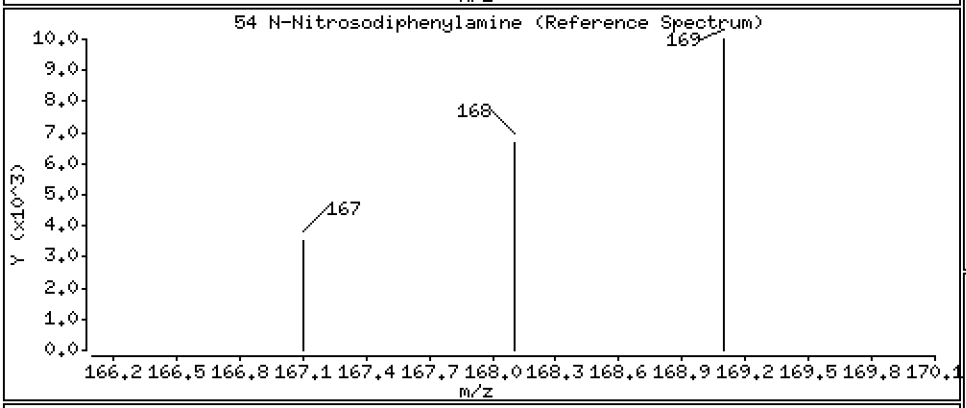
Concentration: 0.01723 ug/mL

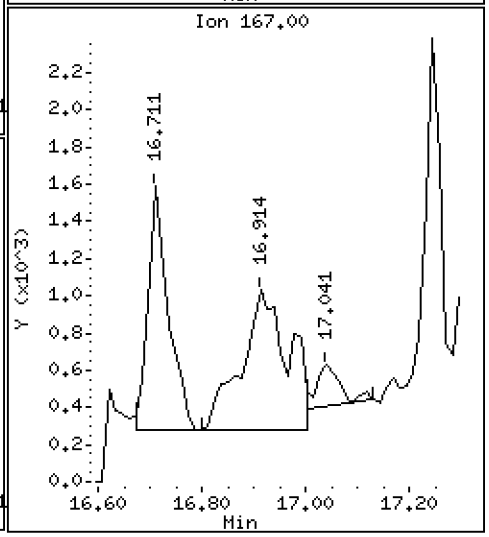


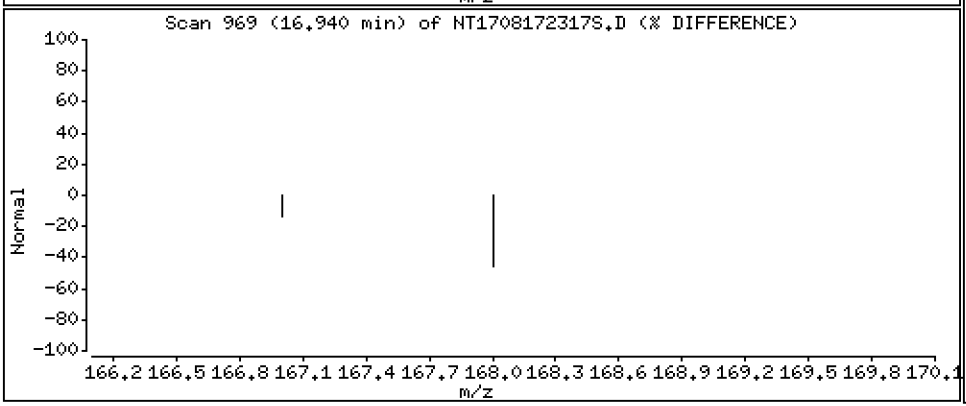












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Date : 18-AUG-2023 05:33

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-08

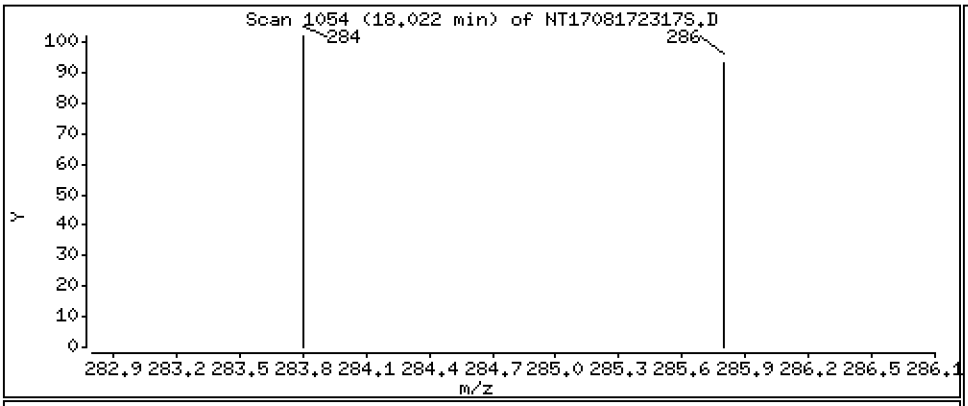
Operator: YZ

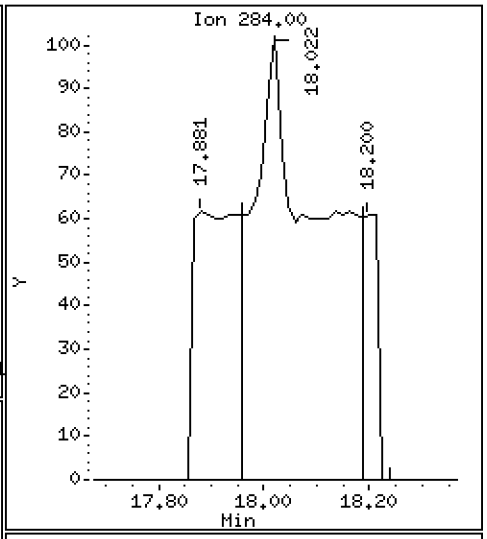
Column phase: ZB-5msi

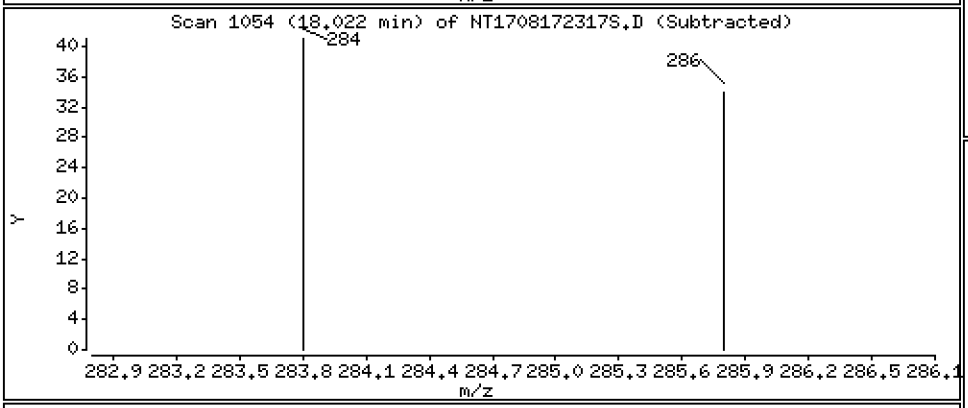
Column diameter: 0.25

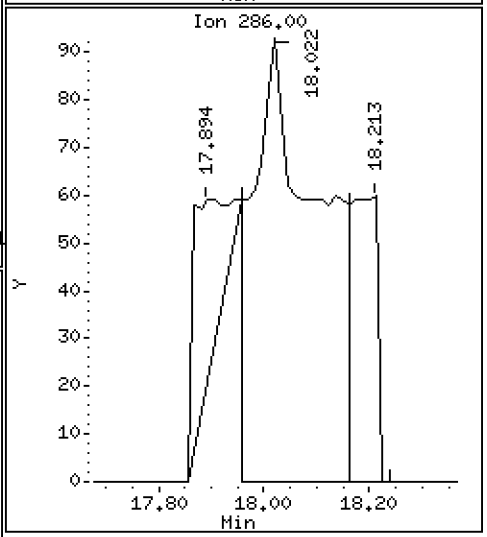
57 Hexachlorobenzene

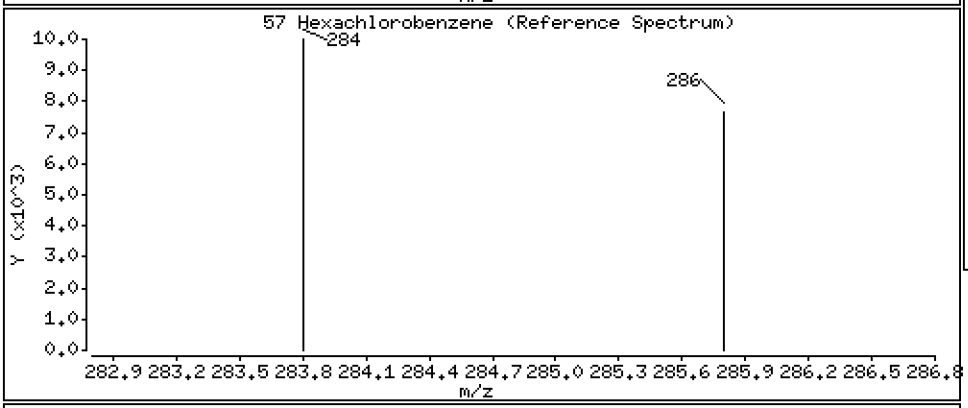
Concentration: 0.02243 ug/mL

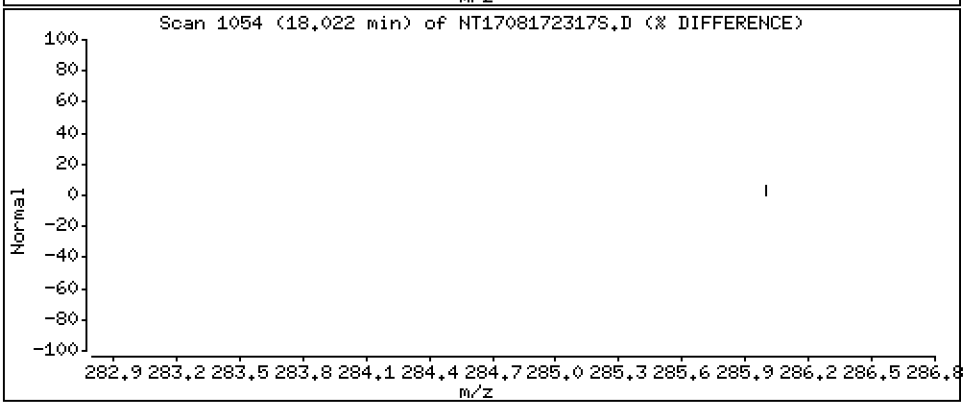












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Date : 18-AUG-2023 05:33

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-08

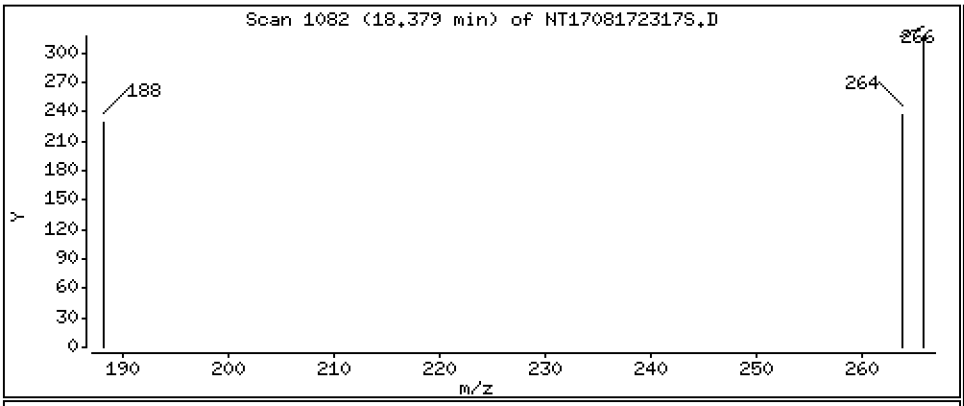
Operator: YZ

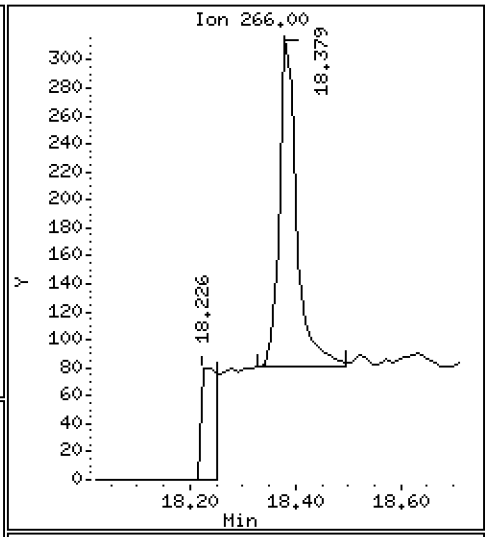
Column phase: ZB-5msi

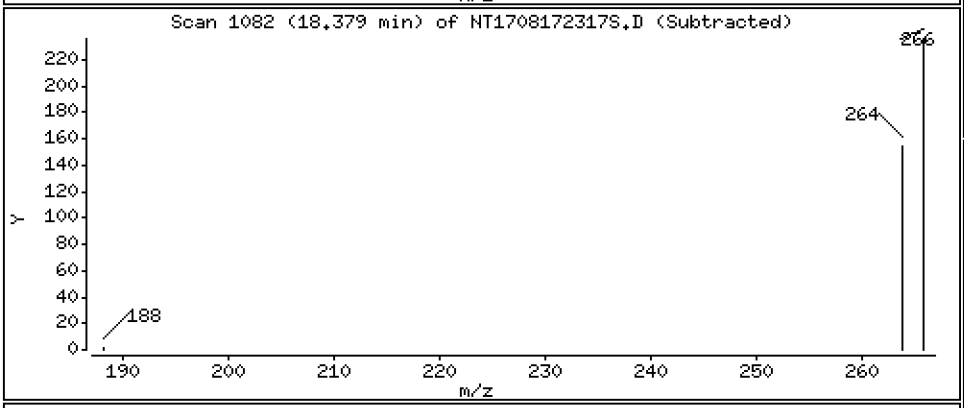
Column diameter: 0.25

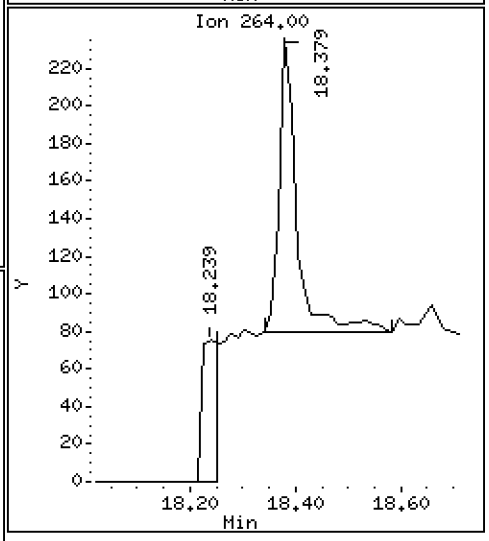
58 Pentachlorophenol

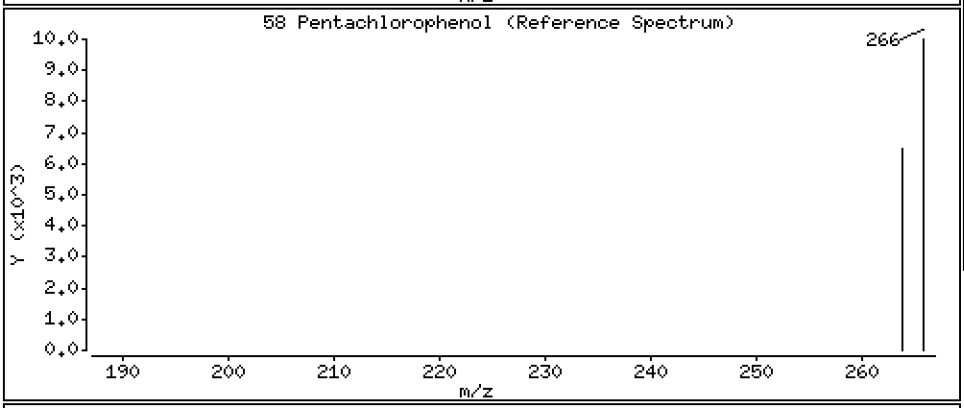
Concentration: 0.01863 ug/mL

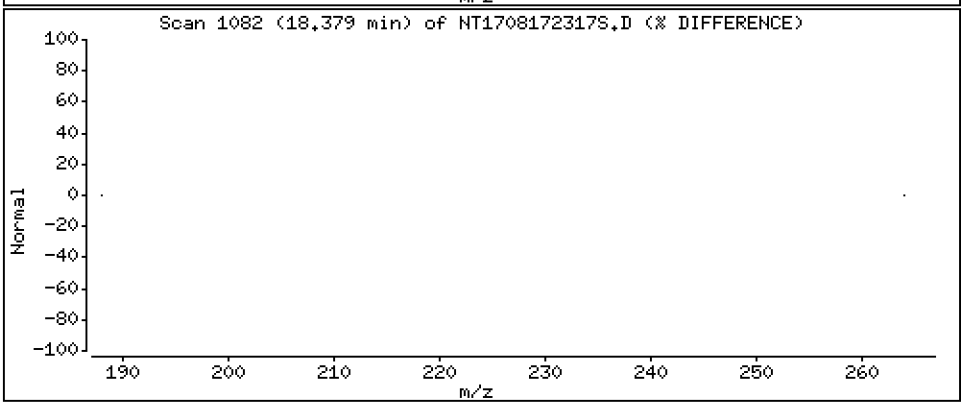












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Date : 18-AUG-2023 05:33

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-08

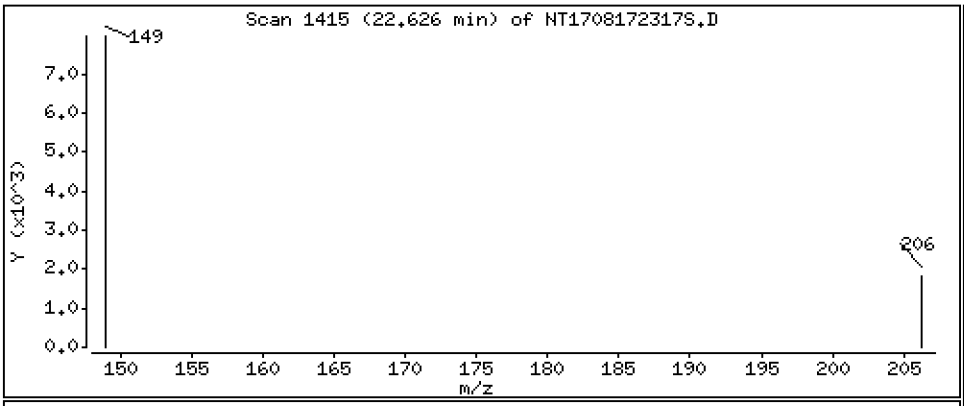
Operator: YZ

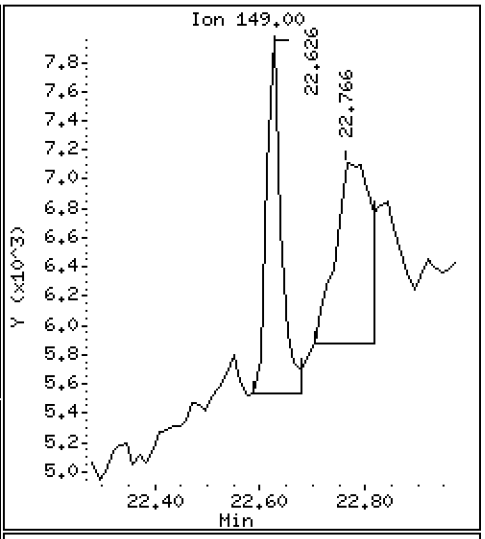
Column phase: ZB-5msi

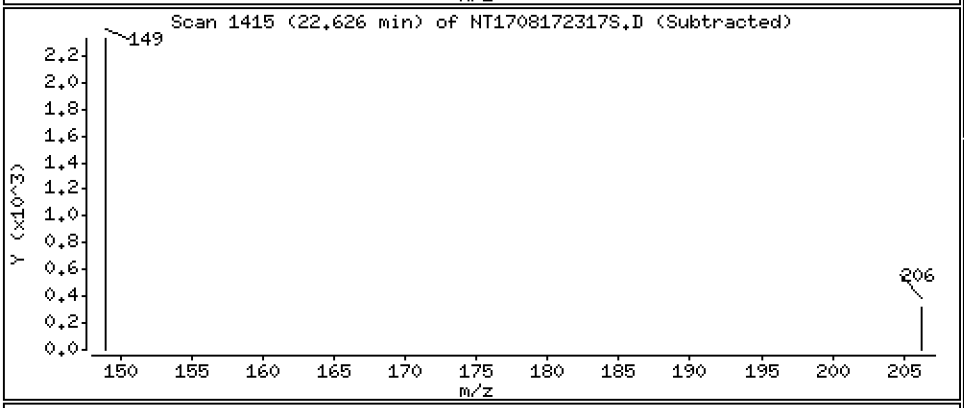
Column diameter: 0.25

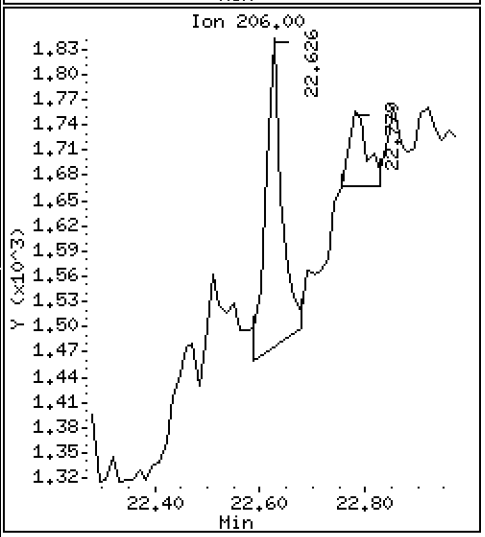
67 Butylbenzylphthalate

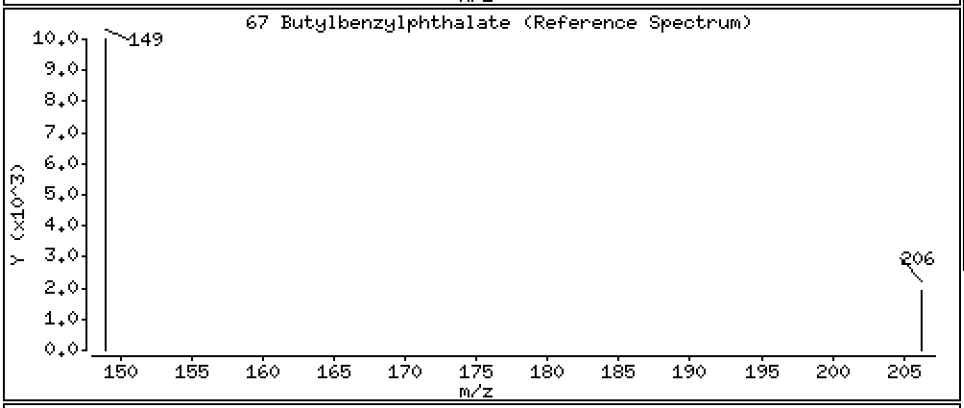
Concentration: 0.03261 ug/mL

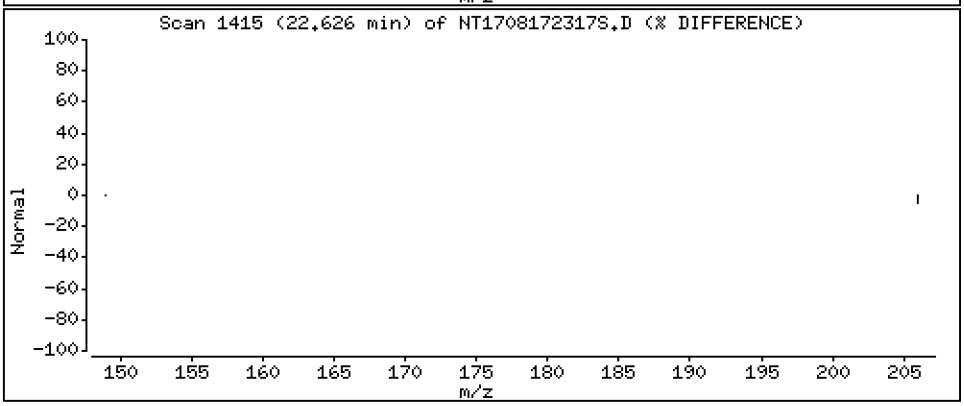












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Date : 18-AUG-2023 05:33

Client ID:

Instrument: nt17.i

Sample Info: 23H0221-08

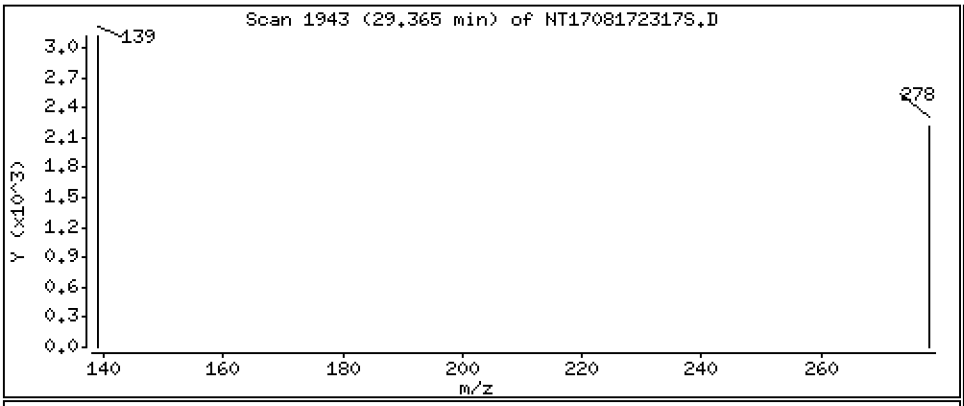
Operator: YZ

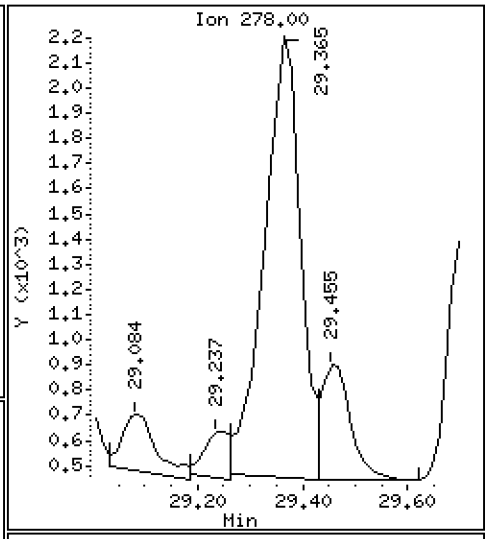
Column phase: ZB-5msi

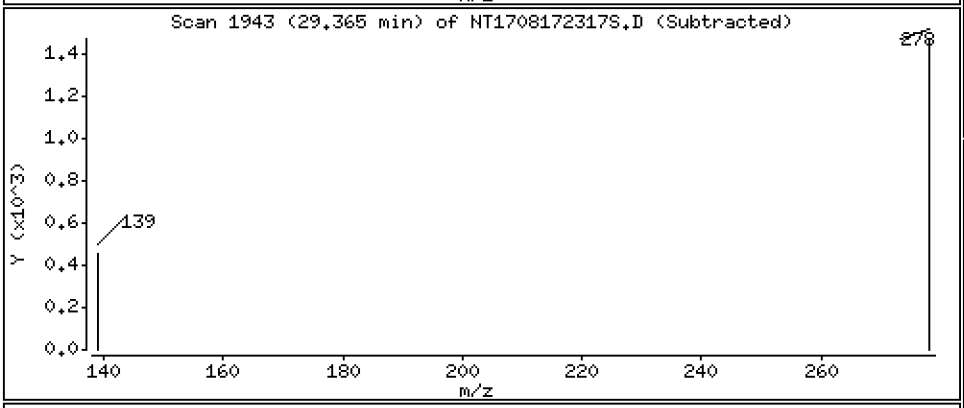
Column diameter: 0.25

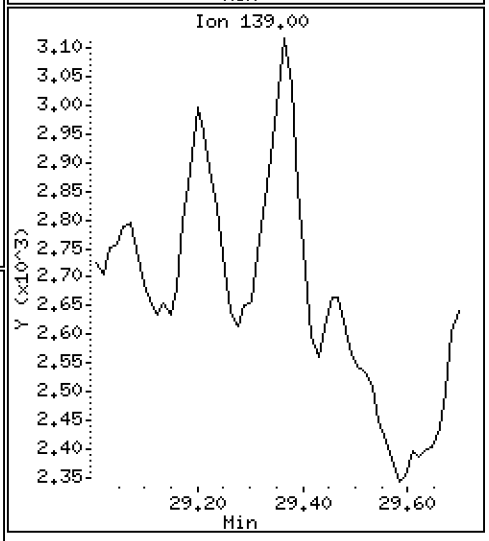
79 Dibenzo(a,h)anthracene

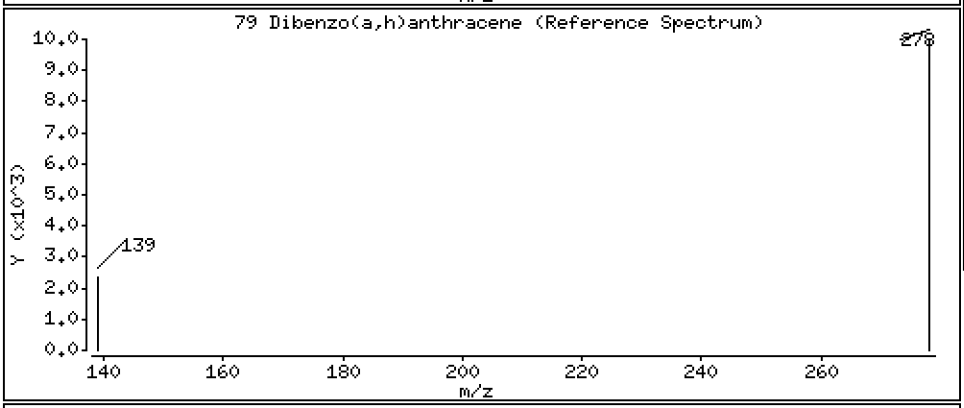
Concentration: 0.07889 ug/mL

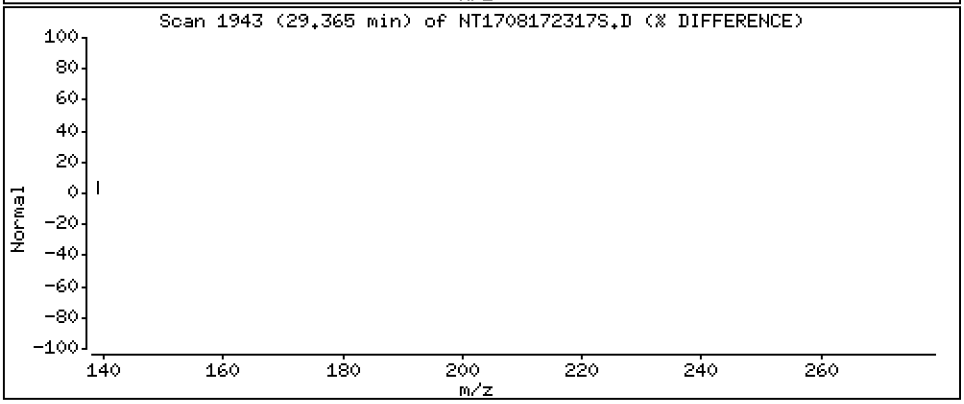












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172317S.D
Lab Smp Id: 23H0221-08
Inj Date : 18-AUG-2023 05:33
Operator : YZ Inst ID: nt17.i
Smp Info : 23H0221-08
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Meth Date : 19-Aug-2023 11:00 JoshuaR Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	7.311	7.285	(0.768)	722137	5.26137	5.261(R)
	3 Phenol	94	8.890	8.878	(0.934)	105176	0.50269	0.5027
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	9.515	9.515	(1.000)	330552	4.00000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	79	9.873	9.784	(1.038)	25640	0.17705	0.1771(H)
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	15 4-Methylphenol	108	10.282	10.256	(1.081)	4087	0.03082	0.03082
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	11.316	11.304	(0.943)	2223	0.01632	0.01632
	24 Benzoic acid	105	11.431	11.431	(0.952)	43770	0.49118	0.4912
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	12.005	12.005	(1.000)	1357302	4.00000	
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	39 Dimethylphthalate	163	15.091	15.091	(0.967)	3131	0.01634	0.01634
*	42 Acenaphthene-d10	162	15.614	15.614	(1.000)	589442	4.00000	
	50 Diethylphthalate	149	16.545	16.545	(1.060)	40217	0.20189	0.2019
	54 N-Nitrosodiphenylamine	169	16.939	16.939	(0.908)	2246	0.01723	0.01723
	57 Hexachlorobenzene	284	18.021	18.021	(0.966)	958	0.02243	0.02243
	58 Pentachlorophenol	266	18.378	18.366	(0.986)	540	0.01863	0.01863
*	59 Phenanthrene-d10	188	18.646	18.646	(1.000)	906812	4.00000	
$	66 Terphenyl-d14	244	21.719	21.720	(0.919)	338744	4.47630	4.476(R)
	67 Butylbenzylphthalate	149	22.625	22.625	(0.957)	4732	0.03261	0.03261
*	69 Chrysene-d12	240	23.633	23.620	(1.000)	546855	4.00000	
*	77 Perylene-d12	264	26.427	26.414	(1.000)	366059	4.00000	
	79 Dibenzo(a,h)anthracene	278	29.365	29.352	(1.111)	8530	0.07889	0.07889
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708172317S.D
Lab Smp Id: 23H0221-08
Analysis Type: SV
Quant Type: ISTD
Operator: YZ
Method File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Misc Info:

Calibration Date: 17-AUG-2023
Calibration Time: 20:49
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	348452	174226	696904	330552	-5.14
27 Naphthalene-d8	1404170	702085	2808340	1357302	-3.34
42 Acenaphthene-d10	619161	309581	1238322	589442	-4.80
59 Phenanthrene-d10	992768	496384	1985536	906812	-8.66
69 Chrysene-d12	642334	321167	1284668	546855	-14.86
77 Perylene-d12	573362	286681	1146724	366059	-36.16

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.52	9.02	10.02	9.52	-0.00
27 Naphthalene-d8	12.01	11.51	12.51	12.01	-0.00
42 Acenaphthene-d10	15.61	15.11	16.11	15.61	-0.00
59 Phenanthrene-d10	18.65	18.15	19.15	18.65	-0.00
69 Chrysene-d12	23.62	23.12	24.12	23.63	0.05
77 Perylene-d12	26.41	25.91	26.91	26.43	0.05

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

REVIEW SUMMARY FOR FILE - NT1708172317S.D

Lab ID: 23H0221-08
nt17.i, 20230817.b\SIM.b\SIMABN2.m,   18-AUG-2023 05:33

RT	CO-ELUTION COMPOUNDS
NO CO-ELUTIONS	

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
1.038	1.028	0.0094	Benzyl alcohol

RRT check based on Ccal File: SIM.b/NT1708172303S.D

On Column LOD for nt17.i, SIM.b\SIMABN2.m, PSDDA.sub = 0.0000

Exception: 1,2,4-Trichlorobenzene 0.0010

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

PREPARATION BATCH SUMMARY

EPA 8270E-SIM

Laboratory: Analytical Resources, LLC
SDG: 23H0221
Client: Anchor QEA, LLC
Project: AOC5 MR Phase 1
Batch: BLH0180 Batch Matrix: Solid
Preparation: EPA 3546 (Microwave)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW23-SS1233	23H0221-01	NT1708112317S.D	08/08/23 09:17	
LDW23-SS1068	23H0221-02	NT1708112318S.D	08/08/23 09:17	
Blank	BLH0180-BLK2	NT1708112312S.D	08/08/23 09:17	
LCS	BLH0180-BS2	NT1708112313S.D	08/08/23 09:17	
LCS Dup	BLH0180-BSD2	NT1708112314S.D	08/08/23 09:17	
LDW23-SS1068	BLH0180-MS2	NT1708112315S.D	08/08/23 09:17	
LDW23-SS1068	BLH0180-MSD2	NT1708112316S.D	08/08/23 09:17	

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BLH0180 RE

Prepared using: EPA 3546 (Microwave)

8270E-SIM Dual Scan SVOC in Solid (Version:AOC4 List)

Matrix: Solid **Date Prepared:** 08/08/23 **Balance ID:** B1464628614 **Set Up By:** CTO 8/7/23

From BLD0571 on 8/7/2023 by CTO

WO Comments

23D0393: <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM K000591, SIM PAH RM I009127 PCB RM J006840-43, 7935-36,K011477-79, MS/MSD </E>
<H>BPR L001273-1275, Dup </H> Store in freezer (except GS)

The following standards may be missing from this batch!

Designator	Description
PSDDA	Virtual Spike
QLS 14	QLS Spike (Freezer)
QLS 25	SIM QLS Spike (Freezer)

Analysis: 8270E-SIM Dual Scan SVOC

Lab Number & Container	% Solids	Initial (g) Target Dry: 10 (Wet) Actual	(REQ) GPC C/U (1:1) 1 2 3	Water Wash 1mL	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
BLH0180 23H0221-01 B 01 DUAL SCAN	86.5	(11.57) 11.61	(1:1)	1mL	1 ____	0.5 ____	From BLD0571 by CTO on 07-Aug-2023
BLH0180 23H0221-02 A B 01 DUAL SCAN	79.2	(12.63) 12.63	(1:1)	1mL	1 ____	0.5 ____	From BLD0571 by CTO on 07-Aug-2023

Batch QC

Lab Number	% Solids	Initial (g) Target Dry: 10 (Wet) Actual	(REQ) GPC C/U (1:1) 1 2 3	Water Wash 1mL	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
BLH0180-BLK1	100.0	(10.00) 10.00	(1:1)	1mL	1 ____	0.5 ____	Use 5g Neutral Sodium Sulfate
BLH0180-BS1	100.0	(10.00) 10.00	(1:1)	1mL	1 ____	0.5 ____	Use 5g Neutral Sodium Sulfate
BLH0180-BSD1	100.0	(10.00) 10.00	(1:1)	1mL	1 ____	0.5 ____	Use 5g Neutral Sodium Sulfate
BLH0180-MS1	79.2	() (12.63) 12.63	(1:1)	1mL	1 ____	0.5 ____	Use 23D0393-17RE1
BLH0180-MSD1	79.2	() (12.63) 12.63	(1:1)	1mL	1 ____	0.5 ____	Use 23D0393-17RE1

Client ID verified By	Date	Preparation Reviewed By	Date	Extraction Date and Time
	08/08/23	Mcrs	8/10/23	08/08/23 09:17

Printed: 8/7/2023 1:23:51PM

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BLH0180

Prepared using: EPA 3546 (Microwave)

8270E-SIM Dual Scan SVOC in Solid (Version:AOC4 List)

WO Comments

23D0393: <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM K000591, SIM PAH RM I009127 PCB RM J006840-43, 7935-36,K011477-79, MS/MSD </E>
<H>BPR L001273-1275, Dup </H> Store in freezer (except GS)

Prep Steps

Microwave
1 2 3
Analyst/Date: 08/08/23

KD 100°C
1 2 3 4 5 6
Analyst/Date: GL 8/8/23

TurboVap
1 2 3 (4) 5
Analyst/Date: MRS 8/9/23

GPC Prep Filter (1:1)
Analyst/Date: MRS 8/9/23

Post GPC KD 80 - 85°C
(1) (2) 3 4 5 6
Analyst/Date: LN 08/10/23

TurboVap
1 2 3 (4) 5
Analyst/Date: MRS 8/10/23

Water Wash
Analyst/Date: MRS 8/10/23

Vialing
Analyst/Date: MRS 8/10/23

Reagents Used

Station/Reagent	Standard ID
Microwave Analyst: RT Date: 08/08/23	
Anhydrous Sodium Sulfate	L008431
Pre-Deactivated Glasswool	L008024
1:1 Methylene Chloride/Acetone	L008532
Methylene Chloride	L007685
Pre GPC KD Analyst: GL Date: 8/8/23	
Pre-Deactivated Glasswool	—
Anhydrous Sodium Sulfate	—
Methylene Chloride	L007885
Hexane	L006866
GPC Filter Prep Analyst: MRS Date: 8/9/23	
Methylene Chloride	L007885
GPC Filter	MRS 8/9/23 CL130132 L007599
GPC Analyst: MRS Date: 8/9/23	
Methylene Chloride	L007885
GPC Calibration File	CL130132
Post GPC KD Analyst: LN Date: 08/10/23	
Methylene Chloride	L007885
Vialing Analyst: MRS Date: 8/10/23	
Methylene Chloride	L007885

Surrogates & Spike Standards Used

Type	Vial ID / Standard ID	Vol uL	Analyst	Witness
Surrogate 100/150µg/mL	A 3/8/23 L001153 L008210 Exp Date:	50µL	RT	Y
Full List Spike (Freezer) 100µg/mL	7 L008425 (V) Exp L004216 Date: 3/31/2024	50µL	RT	Y
Base Spike 200µg/mL	56 L008425 (V) Exp L004173 Date: 3/20/2023	50µL	RT	Y
Acid Spike 100/150µg/mL	38 L008425 (V) Exp L004179 Date: 3/20/2023	50µL	RT	Y

MANUALLY ENTER EXPIRATION DATES!

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

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

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BLH0180

Prepared using: EPA 3546 (Microwave)

8270E-SIM Dual Scan SVOC in Solid (Version:AOC4 List)

WO Comments

23D0393: <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM K000591, SIM PAH RM I009127 PCB RM J006840-43, 7935-36,K011477-79, MS/MSD </E>
<H>BPR L001273-1275, Dup </H> Store in freezer (except GS)

Prep Instructions	
SPECIAL INSTRUCTIONS: 1. Weigh into beakers-lightly dry with Sodium Sulfate. 2. Transfer to microwave vessel. Note: do not fill vessel more than 2/3rd full. Some samples may require two vessels). 3. Add DCM ONLY to the vessels (until solvent is 3" above soil layer after homogenization). 4. Add surr/spike. 5. Microwave on appropriate power setting determined by # of samples. 6. After microwave-re-homogenize while hot-then let cool 15 min minimum in cold water. Re-homogenize while cool. 7. Decant DCM into Erlenmeyer flask with a funnel containing pre-deactivated glasswool. 8. Rinse with DCM. 9. Microwave a 2nd time using 1:1 DCM/ACE only (until solvent is 3" above soil layer after homogenization). 10. Let cool and decant solvent then empty the soil into the funnel and rinse with DCM. 11. KD Add 10 mL Hexane directly to extract in the KD. 12. GPC REQ = 100°C water bath (CLP). KD to 5 mL. Transfer to TurboTube in DCM. 13. (After GPC): KD at 80°C. 14. TurboVap. 15. Vial in DCM. 16. Water Wash Required 17. 0.5mL (1:2) Split to Lab. A. Need Total Solids Y / N B. Archive/Freeze Y / N	

Analytical Resources, ~~Incorporated~~ LLC
Analytical Chemists and Consultants

Organic Extractions Laboratory Analyst Notes

Extraction Parameter: SVOA Batch Number: BLH2150 EE

Element Batch:T/S RE Work Order(s): 23D0393

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

PREPARATION BATCH SUMMARY

EPA 8270E-SIM

Laboratory: Analytical Resources, LLC SDG: 23H0221

Client: Anchor QEA, LLC Project: AOC5 MR Phase 1

Batch: BLH0329 Batch Matrix: Solid Preparation: EPA 3546 (Microwave)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW23-SS1071	23H0221-03	NT1708172312S.D	08/14/23 09:29	
LDW23-SS1078	23H0221-04	NT1708172313S.D	08/14/23 09:29	
LDW23-SS1807	23H0221-05	NT1708172314S.D	08/14/23 09:29	
LDW23-SS1055	23H0221-06	NT1708172315S.D	08/14/23 09:29	
LDW23-SS1034	23H0221-07	NT1708172316S.D	08/14/23 09:29	
LDW23-SS1806	23H0221-08	NT1708172317S.D	08/14/23 09:29	
Blank	BLH0329-BLK1	NT1708172306S.D	08/14/23 09:29	
LCS	BLH0329-BS1	NT1708172307S.D	08/14/23 09:29	
LCS Dup	BLH0329-BSD1	NT1708172308S.D	08/14/23 09:29	
LDW23-SS1807	BLH0329-MS1	NT1708172309S.D	08/14/23 09:29	
LDW23-SS1807	BLH0329-MSD1	NT1708172310S.D	08/14/23 09:29	
Reference	BLH0329-SRM1	NT1708172311S.D	08/14/23 09:29	

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BLH0329

Prepared using: EPA 3546 (Microwave)

8270E-SIM Dual Scan SVOC in Solid (Version:AOC4 List)

Matrix: Solid **Date Prepared:** 08/14/23 **Balance ID:** B1464614 **Set Up By:** CTO 8/11/23

WO Comments

23H0221: Copy/Relog from 23D0393. <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM K000591, SIM PAH RM I009127 PCB RM J006840-43, 7935-36,K011477-79, MS/MSD </E>
<H>BPR L001273-1275, Dup </H> Store in freezer (except GS)

The following standards may be missing from this batch!

Designator	Description
QLS 14	QLS Spike (Freezer)
QLS 25	SIM QLS Spike (Freezer)

Analysis: 8270E-SIM Dual Scan SVOC

Lab Number & Container	% Solids	Initial (g) Target Dry: 10 (Wet)	Actual	(REQ) GPC C/U (1:1) 1 (2) 3	Water Wash 1mL	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
23H0221-03 B	73.0	(13.71)	13.73	(1:1)	1mL	1	0.5	
23H0221-04 B	76.1	(13.13)	13.19	(1:1)	1mL	1	0.5	
23H0221-05 B	90.1	(11.10)	11.14	(1:1)	1mL	1	0.5	
23H0221-06 B	75.6	(13.23)	13.31	(1:1)	1mL	1	0.5	
23H0221-07 B	75.3	(13.29)	13.29	(1:1)	1mL	1	0.5	
23H0221-08 B	75.7	(13.21)	13.25	(1:1)	1mL	1	0.5	

Batch QC

Lab Number	% Solids	Initial (g) Target Dry: 10 (Wet)	Actual	(REQ) GPC C/U (1:1) 1 (2) 3	Water Wash 1mL	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
BLH0329-BLK1	100.0	(10.00)	10.00	(1:1)	1mL	1	0.5	Use 5g Neutral Sodium Sulfate
BLH0329-BS1	100.0	(10.00)	10.00	(1:1)	1mL	1	0.5	Use 5g Neutral Sodium Sulfate
BLH0329-BSD1	100.0	(10.00)	10.00	(1:1)	1mL	1	0.5	Use 5g Neutral Sodium Sulfate
BLH0329-MS1	90.1	(11.10)	11.10	(1:1)	1mL	1	0.5	Use 23H0221-05
BLH0329-MSD1	90.1	(11.10)	11.10	(1:1)	1mL	1	0.5	Use 23H0221-05
BLH0329-SRM1	100.0	~~(10.00)~~ (1.00)	1.00	(1:1)	1mL	1	0.5	Use K003477

+1g DI WATER

Client ID Verified By 08/14/23 Date

Preparation Reviewed By 8/16/23 Date

08/14/23 09:29 Extraction Date and Time

Printed: 8/11/2023 11:02:46AM

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BLH0329

Prepared using: EPA 3546 (Microwave)

8270E-SIM Dual Scan SVOC in Solid (Version:AOC4 List)

WO Comments

23H0221: Copy/Relog from 23D0393. <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM K000591, SIM PAH RM I009127 PCB RM J006840-43, 7935-36,K011477-79, MS/MSD </E>
<H>BPR L001273-1275, Dup </H> Store in freezer (except GS)

Prep Steps

Microwave
1 2 3
Analyst/Date: 8/14/23

KD 100°C
1 2 3 4 5 6
Analyst/Date: TL 08/14/23

TurboVap
1 2 3 4 5
Analyst/Date: 8/15/23

GPC Prep Filter (1:1)
Analyst/Date: SH 8/15/23

Post GPC KD 80 - 85°C
1 2 3 4 5 6
Analyst/Date: CR 8/16/23

TurboVap
1 2 3 4 5
Analyst/Date: MW 8/16/23

Water Wash
Analyst/Date: MW 8/16/23

Vialing
Analyst/Date: MW 8/16/23

Reagents Used

Station/Reagent	Standard ID
Microwave Analyst: RA Date: 8/14/23	
Anhydrous Sodium Sulfate	LC08431
Pre-Deactivated Glasswool	LC08024
1:1 Methylene Chloride/Acetone	LC08532
Methylene Chloride	LC07885
Pre GPC KD Analyst: TL Date: 08/14/23	
Pre-Deactivated Glasswool	
Anhydrous Sodium Sulfate	
Methylene Chloride	L007885
Hexane	L007985
GPC Filter Prep Analyst: GL Date: 8/15/23	
Methylene Chloride	L007885
GPC Filter	L001799
GPC Analyst: SH Date: 8/14/23	
Methylene Chloride	LC07885
GPC Calibration File	CLB4132 - GPC2
Post GPC KD Analyst: CR Date: 8/16/23	
Methylene Chloride	L007885
Vialing Analyst: MW Date: 8/16/23	
Methylene Chloride	L007885

Surrogates & Spike Standards Used

Type	Vial ID / Standard ID	Vol uL	Analyst	Witness
Surrogate 100/150µg/mL	A L008220 Exp Date: 7/26/2024	50µL	RA	
Full List Spike (Freezer) 100µg/mL	7 L008426 (V) Exp Date: LC08216 3/31/2024	50µL	RA	
Base Spike 200µg/mL	56 L008426 (V) Exp Date: LC41778 8/24/2023	50µL	RA	
Acid Spike 100/150µg/mL	38 L008426 (V) Exp Date: LC41779 8/24/2023	50µL	RA	

MANUALLY ENTER EXPIRATION DATES!

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

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

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BLH0329

Prepared using: EPA 3546 (Microwave)

8270E-SIM Dual Scan SVOC in Solid (Version:AOC4 List)

WO Comments

23H0221: Copy/Relog from 23D0393. <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM K000591, SIM PAH RM I009127 PCB RM J006840-43, 7935-36,K011477-79, MS/MSD </E>
<H>BPR L001273-1275, Dup </H> Store in freezer (except GS)

Prep Instructions	
SPECIAL INSTRUCTIONS: 1. Weigh into beakers-lightly dry with Sodium Sulfate. 2. Transfer to microwave vessel. Note: do not fill vessel more than 2/3rd full. Some samples may require two vessels). 3. Add DCM ONLY to the vessels (until solvent is 3" above soil layer after homogenization). 4. Add surr/spike. 5. Microwave on appropriate power setting determined by # of samples. 6. After microwave-re-homogenize while hot-then let cool 15 min minimum in cold water. Re-homogenize while cool. 7. Decant DCM into Erlenmeyer flask with a funnel containing pre-deactivated glasswool. 8. Rinse with DCM. 9. Microwave a 2nd time using 1:1 DCM/ACE only (until solvent is 3" above soil layer after homogenization). 10. Let cool and decant solvent then empty the soil into the funnel and rinse with DCM. 11. KD Add 10 mL Hexane directly to extract in the KD. 12. GPC REQ = 100°C water bath (CLP). KD to 5 mL. Transfer to TurboTube in DCM. 13. (After GPC): KD at 80°C. 14. TurboVap. 15. Vial in DCM. 16. Water Wash Required 17. 0.5mL (1:2) Split to Lab. A. Need Total Solids Y / N B. Archive/Freeze Y / N	

Analytical Resources, ~~Incorporated~~ LLC
Analytical Chemists and Consultants

Organic Extractions Laboratory Analyst Notes

Extraction Parameter: SVOA Batch Number: BLH0329

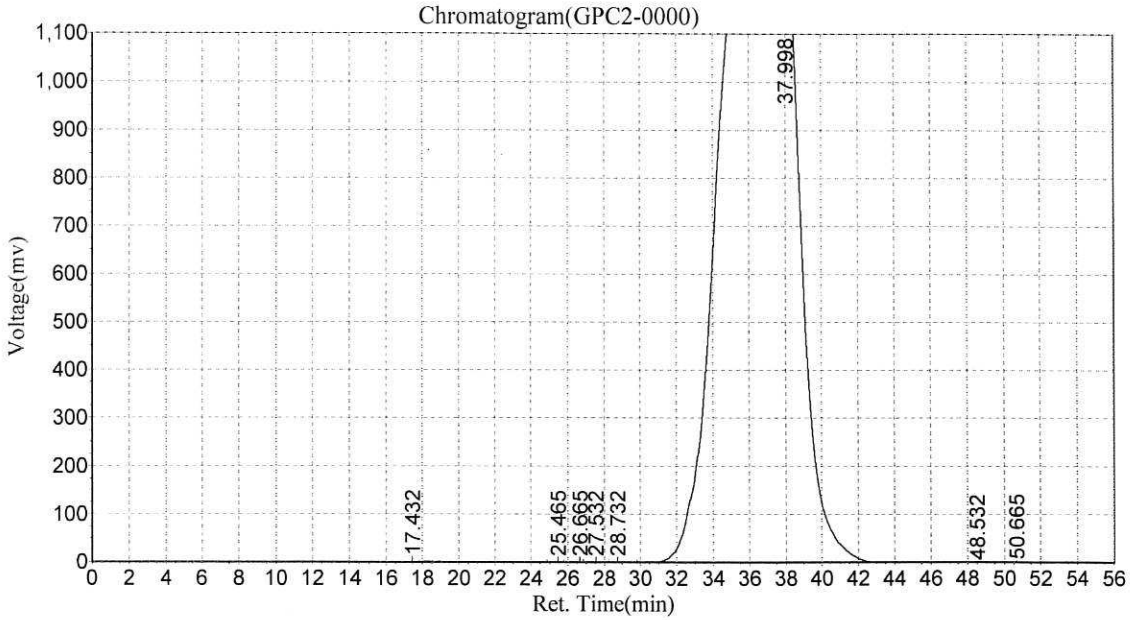
Element Batch:T/S BLH0250 Work Order(s): 23H0221 3-8

Screens: Soil/Sediment/Solid/Other:	Analyst/Date
☐ No Anomalies (standard soil/wet sediment/sand/gravel)=	
☐ Standing Water Decanted (Not shared)=	
☐ Standing Water Homogenized (Shared samples)=	
☐ Clay/Clumps (Difficult to homogenize)=	
☒ Rocks (%+size)? (40%) 03, 04 1" length + less, (60%) 05, < 3/4" (30%) 06, 07 1" (5% 08)	FL 08/10/23
☐ Organics (Leaves/sticks/grass)=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Received in 32oz jar(s)=Homogenized in Pyrex dish=	
☒ Other (Details)= Samples previously Frozen	GD 8/10/23
shells 08, worms - 04	FL 08/10/23
Aqueous:	
☐ No Anomalies	
☐ Turbid/Color=	
☐ Particulates(%)=(Note: >5%=Notify Supervisor/Lead)	
☐ Emulsions (%)=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Other (Details)=	
☐ Received in 1.0L Bottle(s)=No Bottle Rinse=	
☐ Other Notes/Comments= (Note problems, concerns, corrective actions).	
☒ Share Samples Y (N)	FL 08/10/23
☒ Multiple Jars Y (N)	FL 08/10/23
☐ Sample Pre-Screens indicate analyte activity=	
☐ Sample weights/volumes reduced based on Pre-Screen=	

BLH0329 23H0221 PSDDA SVOC

Date:2023-08-15,5:30:50 PM
Data File:c:\n2000\data\gpc2\081523\GPC2-0000
Method File:E:\GPC2_InHouse.mtd

Analyst£°SH
Date/Time2023-08-15,5:30:51 PM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.432	1231.709	174643.844	0.0437
2		25.465	2485.491	104903.000	0.0262
3		26.665	3212.109	167609.344	0.0419
4		27.532	3576.500	266474.719	0.0666
5		28.732	4339.118	323321.281	0.0808
6		37.998	1260490.875	398651008.000	99.6727
7		48.532	1449.803	133250.359	0.0333
8		50.665	1799.787	138680.188	0.0347
Total			1278585.393	399959890.734	100.000

Ingredient Table

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

BLH0329 23H0221 PSDDA SVOC

Date:2023-08-15,6:28:33 PM
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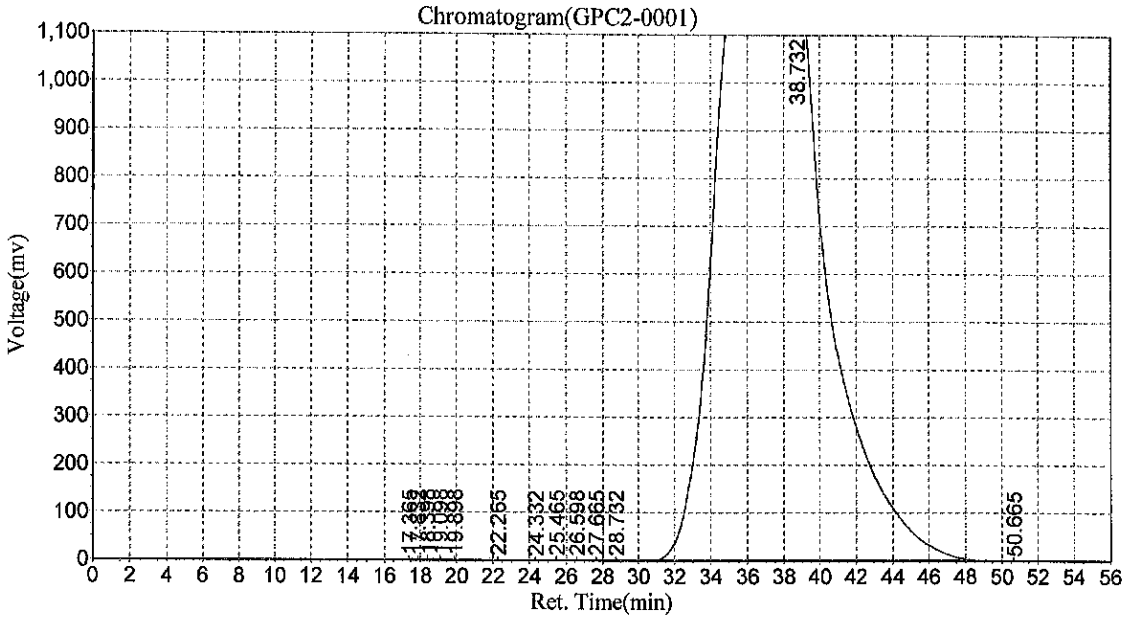
Method File:E:\GPC2_InHouse.mtd

Analyst£°SH
Date/Time2023-08-15,6:28:34 PM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.365	3794.156	137525.188	0.0254
2		17.832	4230.695	110912.516	0.0205
3		18.398	4855.350	200662.594	0.0370
4		19.098	5073.158	127846.109	0.0236
5		19.898	5640.082	769305.938	0.1420
6		22.265	4283.815	390673.844	0.0721
7		24.332	2871.202	148052.578	0.0273
8		25.465	3446.510	168949.172	0.0312
9		26.598	3523.819	130613.875	0.0241
10		27.665	3969.051	252302.281	0.0466
11		28.732	4445.283	370367.469	0.0684
12		38.732	1262613.875	538802240.000	99.4466
13		50.665	3450.612	190928.594	0.0352
Total			1312197.609	541800380.156	100.000

Ingredient Table

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

2023-08-15 ***Analytical Resources, Inc.***

BLH0329 23H0221 PSDDA SVOC

Date:2023-08-15,7:26:15 PM
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Method File:E:\GPC2_InHouse.mtd

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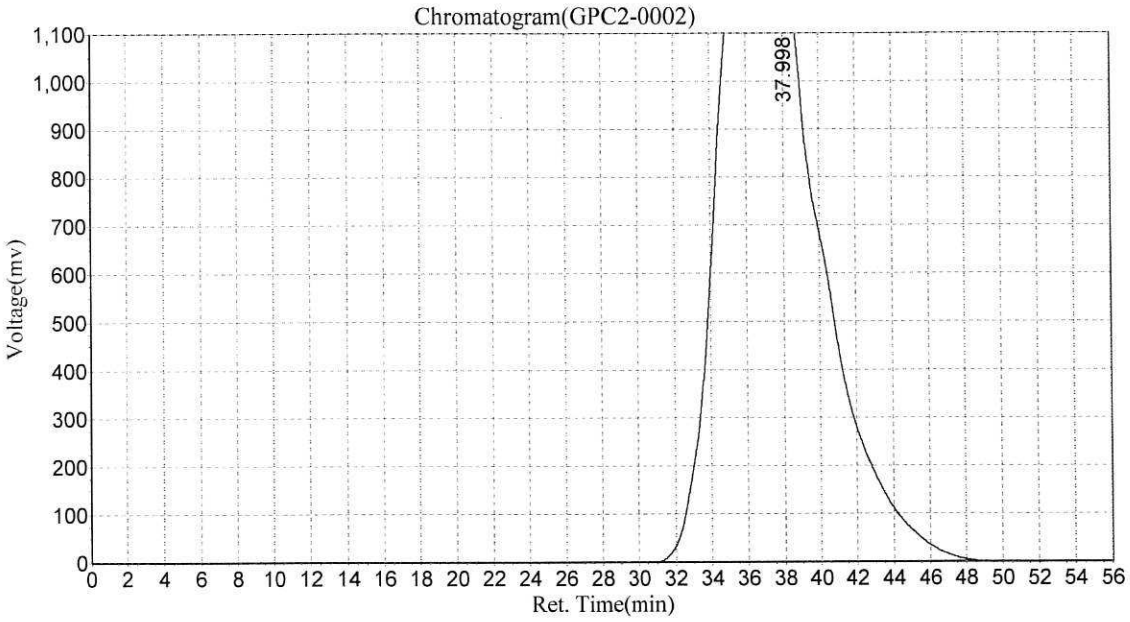


Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		37.998	1260572.250	519632480.000	100.0000
Total			1260572.250	519632480.000	100.000

Ingredient Table

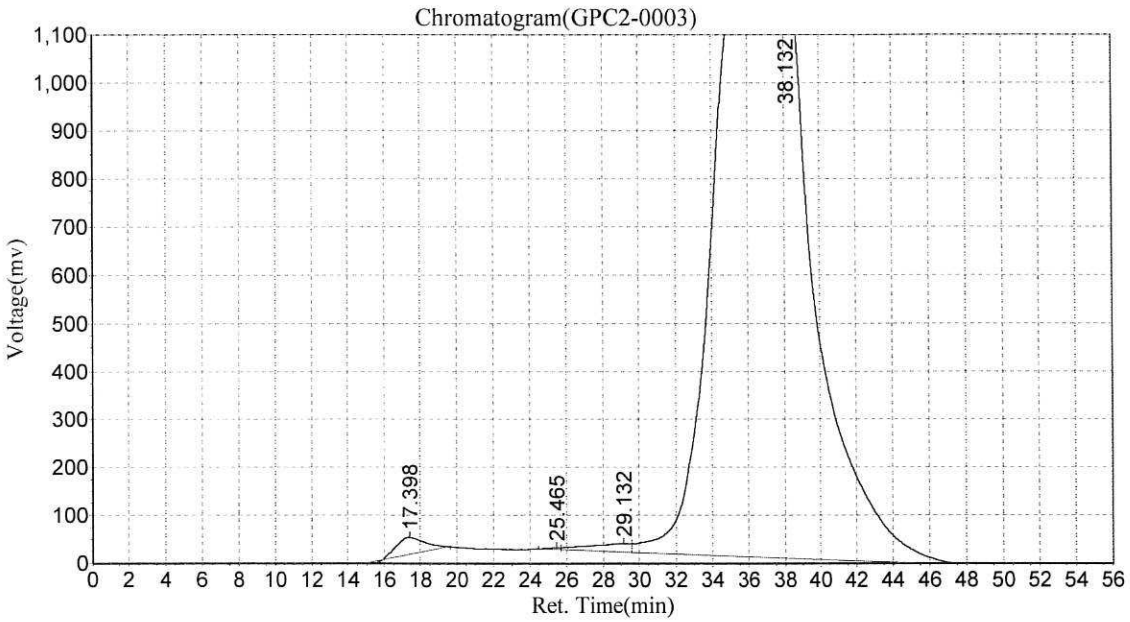
No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

SKM

BLH0329 23H0221 PSDDA SVOC

Date:2023-08-15,8:23:59 PM
Data File:c:\n2000\data\gpc2\081523\GPC2-0003
Method File:E:\GPC2_InHouse.mtd

Analyst£°SH
Date/Time2023-08-15,8:23:59 PM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.398	36751.230	3868080.500	0.7975
2		25.465	6847.800	389775.906	0.0804
3		29.132	20473.600	3396483.500	0.7002
4		38.132	1244605.250	477395360.000	98.4220
Total			1308677.880	485049699.906	100.000

Ingredient Table

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

BLH0329 23H0221 PSDDA SVOC

Date:2023-08-15,9:21:40 PM
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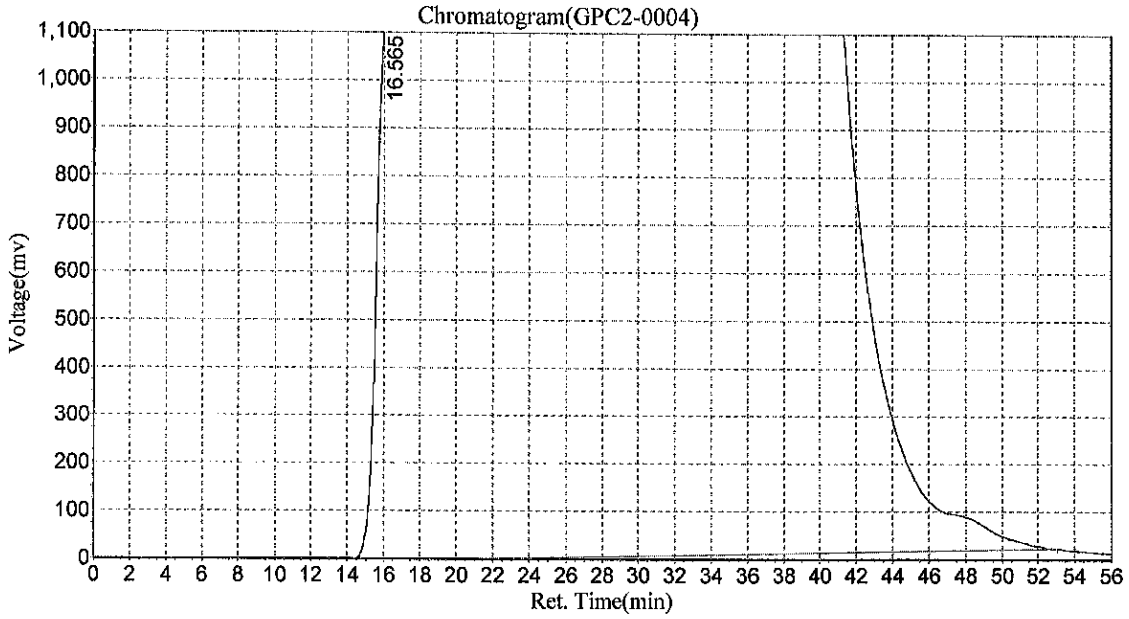
Method File:E:\GPC2_InHouse.mtd

Analyst£°SH
Date/Time2023-08-15,9:21:41 PM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		16.565	1258189.125	2060080384.000	100.0000
Total			1258189.125	2060080384.000	100.000

Ingredient Table

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

BLH0329 23H0221 PSDDA SVOC

Date:2023-08-15,10:19:28 PM
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Analyst£°SH
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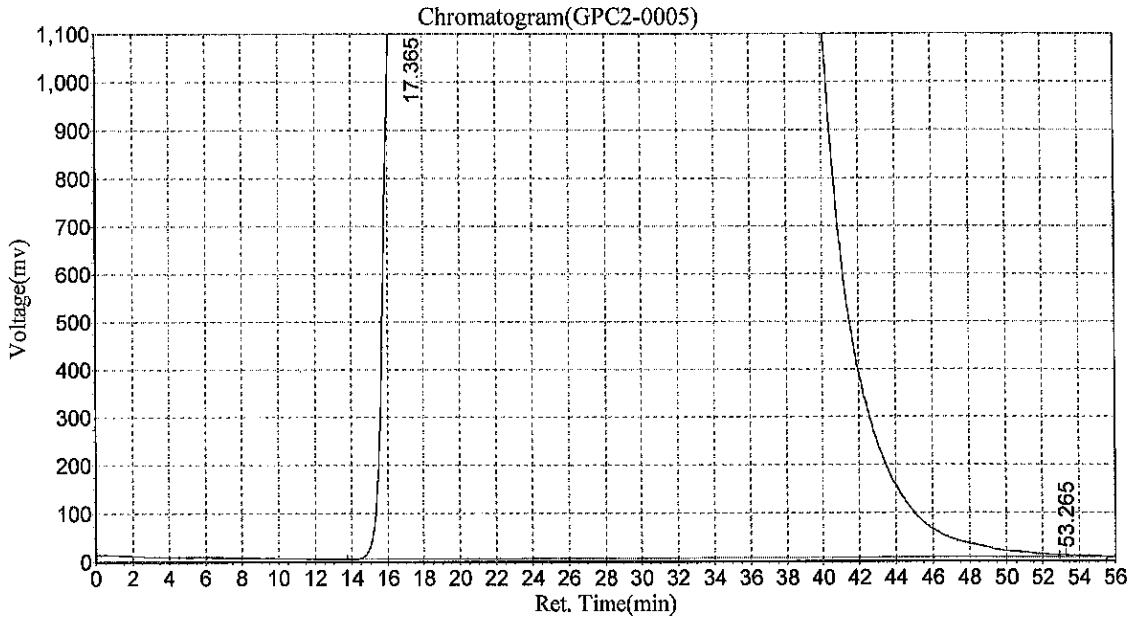

Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.365	1249189.250	1944929408.000	99.9825
2		53.265	4535.227	340506.094	0.0175
Total			1253724.477	1945269914.094	100.000

Ingredient Table

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

BLH0329 23H0221 PSDDA SVOC

Date:2023-08-15,11:17:10 PM
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Analyst£°SH
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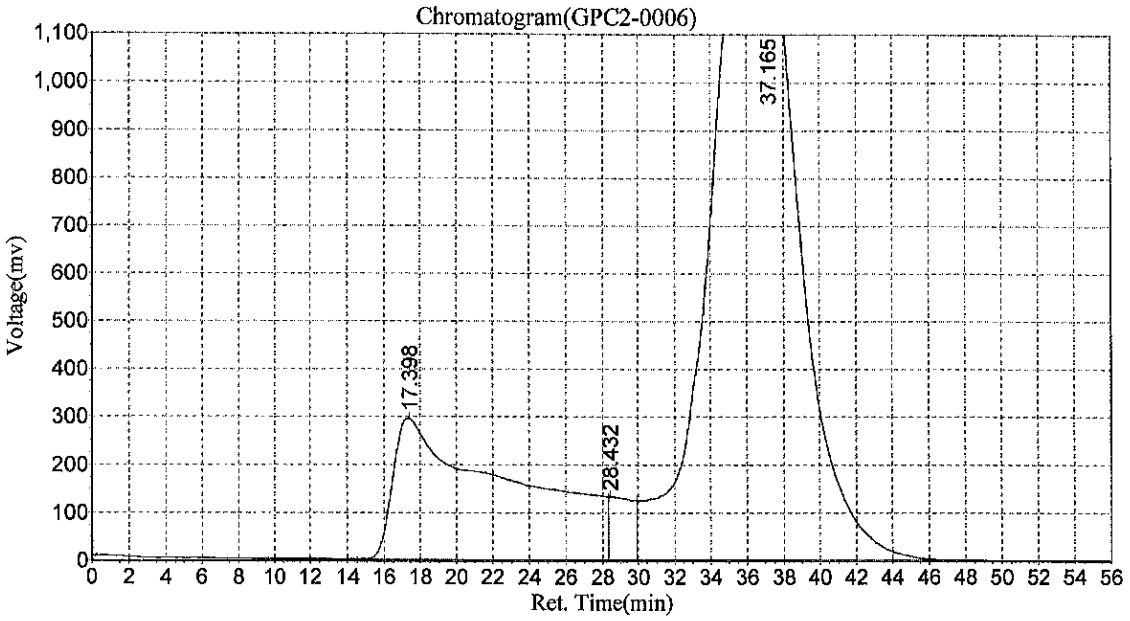

Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.398	293963.188	132924792.000	22.5128
2		28.432	132027.438	12051961.000	2.0412
3		37.165	1246218.875	445464608.000	75.4460
Total			1672209.500	590441361.000	100.000

Ingredient Table

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

BLH0329 23H0221 PSDDA SVOC

Date:2023-08-16,12:14:58 AM
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Method File:E:\GPC2_InHouse.mtd

Analyst£°SH
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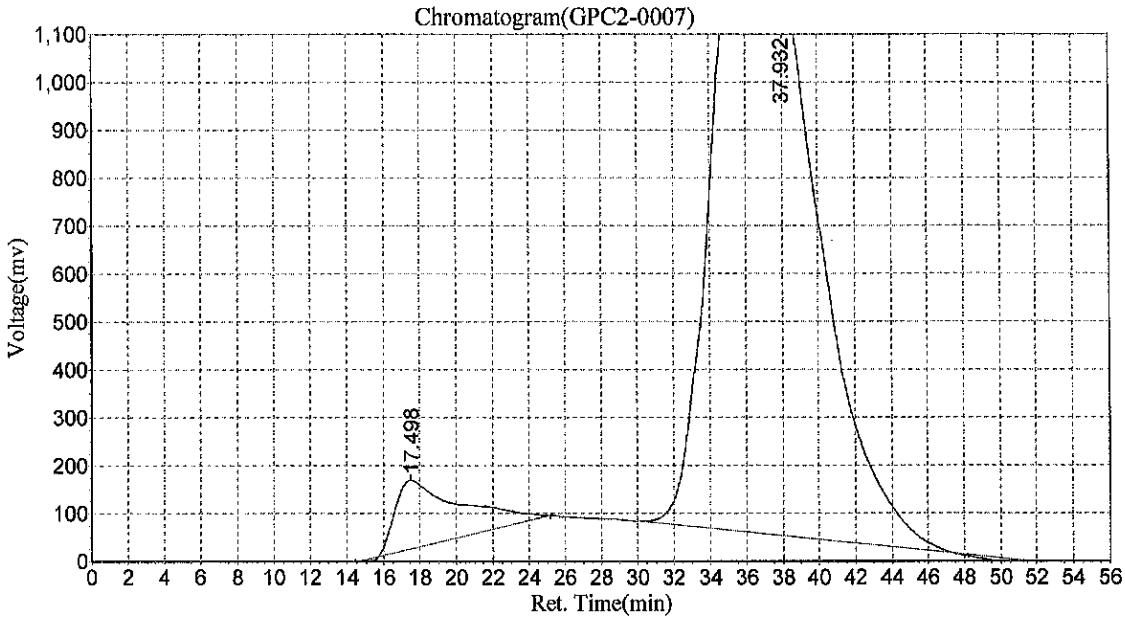

Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.498	143615.859	35246980.000	6.5980
2		37.932	1200417.750	498957568.000	93.4020
Total			1344033.609	534204548.000	100.000

Ingredient Table

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

BLH0329 23H0221 PSDDA SVOC

Date:2023-08-16,1:12:40 AM
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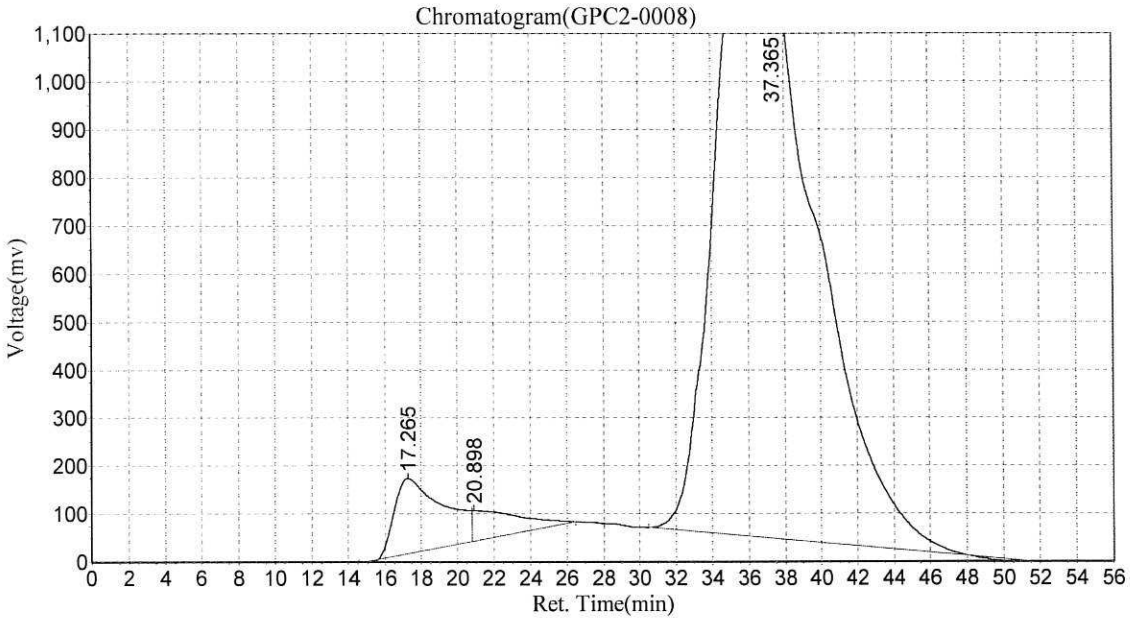

Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.265	157344.797	29103992.000	5.6136
2		20.898	64102.793	10744233.000	2.0724
3		37.365	1205104.000	478603552.000	92.3140
Total			1426551.590	518451777.000	100.000

Ingredient Table

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

BLH0329 23H0221 PSDDA SVOC

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Analyst£ºSH
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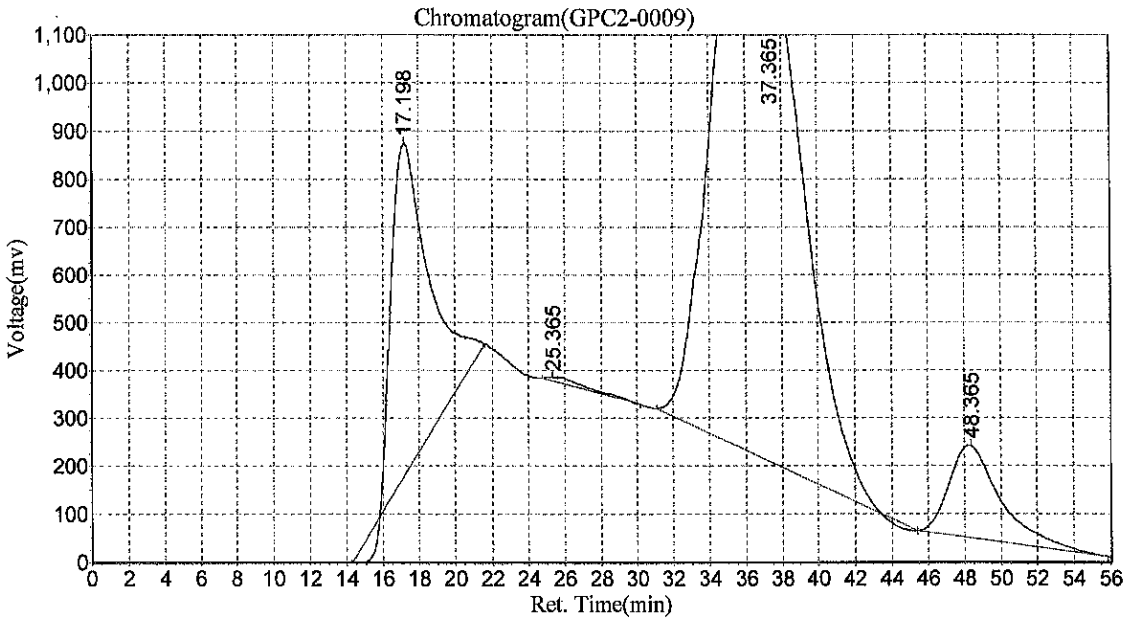

Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.198	694082.375	97433368.000	19.0842
2		25.365	9114.556	1813087.250	0.3551
3		37.365	1043789.500	373397728.000	73.1370
4		48.365	192658.969	37901316.000	7.4237
Total			1939645.399	510545499.250	100.000

Ingredient Table

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

BLH0329 23H0221 PSDDA SVOC

Date:2023-08-16,3:08:09 AM
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Method File:E:\GPC2_InHouse.mtd

Analyst£°SH
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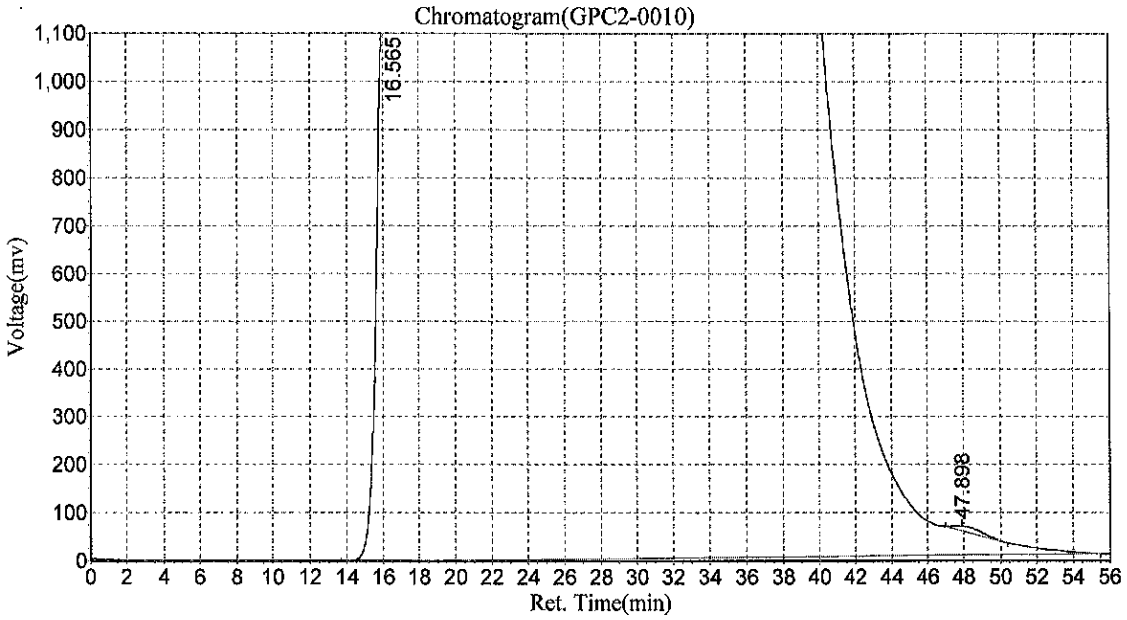

Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		16.565	1255221.125	1967519360.000	99.9427
2		47.898	9975.106	1127222.375	0.0573
Total			1265196.231	1968646582.375	100.000

Ingredient Table

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

BLH0329 23H0221 PSDDA SVOC

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Method File:E:\GPC2_InHouse.mtd

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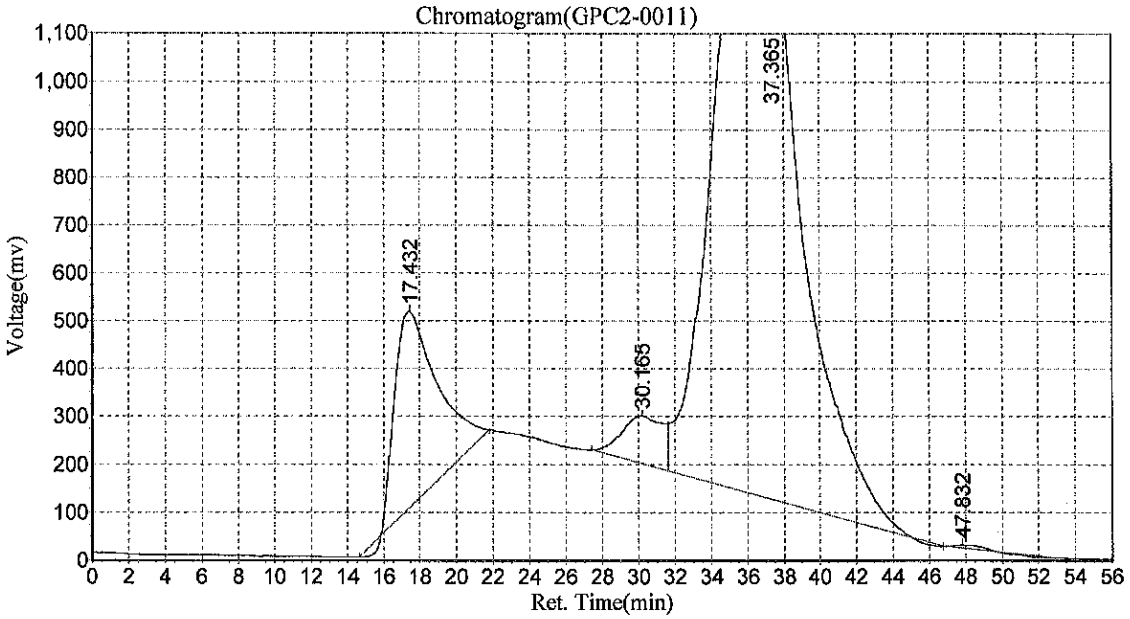


Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.432	409808.438	65275968.000	13.4709
2		30.165	99624.594	15809018.000	3.2625
3		37.365	1125073.125	402885984.000	83.1432
4		47.832	6735.348	597657.000	0.1233
Total			1641241.504	484568627.000	100.000

Ingredient Table

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

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Cleanup Batch:	CLH0079	Cleanup Type:	GPC
Cleanup Method:	EPA 3640A GPC Cleanup 1:1	Analysis:	EPA 8270E-SIM

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW23-SS1068	23H0221-02	NT1708112318S.D	08/10/2023	
LDW23-SS1233	23H0221-01	NT1708112317S.D	08/10/2023	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BENCH SHEET

CLH0079

Matrix: Solid **Cleanup using: Organics - EPA 3640A GPC Cleanup 1:1** **Check Standard: CLC0092-GPC1** **Printed: 8/10/2023 3:58:34PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
23H0221-01	B	LDW23-SS1233	B 01	1	1	8270E-SIM Dual Scan SVOC	8/10/2023	NRB	
23H0221-01	B	LDW23-SS1233	B 01	1	1	SVOC (20ug/kg solid or 0.2ug/L low H2	8/10/2023	NRB	
23H0221-02	B	LDW23-SS1068	B 01	1	1	8270E-SIM Dual Scan SVOC	8/10/2023	NRB	
23H0221-02	B	LDW23-SS1068	B 01	1	1	SVOC (20ug/kg solid or 0.2ug/L low H2	8/10/2023	NRB	
BLH0180-BLK1	-	Blank	-	1	1	-	8/10/2023	NRB	
BLH0180-BS1	-	LCS	-	1	1	-	8/10/2023	NRB	
BLH0180-BSD1	-	LCS Dup	-	1	1	-	8/10/2023	NRB	
BLH0180-MS1	-	Matrix Spike	-	1	1	-	8/10/2023	NRB	
BLH0180-MSD1	-	Matrix Spike Dup	-	1	1	-	8/10/2023	NRB	

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Cleanup Batch:	CLH0123	Cleanup Type:	GPC
Cleanup Method:	EPA 3640A GPC Cleanup 1:1	Analysis:	EPA 8270E-SIM

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW23-SS1807	23H0221-05	NT1708172314S.D	08/16/2023	
Matrix Spike Dup	BLH0329-MSD1	NT1708172310S.D	08/16/2023	
LDW23-SS1034	23H0221-07	NT1708172316S.D	08/16/2023	
LDW23-SS1055	23H0221-06	NT1708172315S.D	08/16/2023	
LDW23-SS1071	23H0221-03	NT1708172312S.D	08/16/2023	
LDW23-SS1078	23H0221-04	NT1708172313S.D	08/16/2023	
LDW23-SS1806	23H0221-08	NT1708172317S.D	08/16/2023	
Matrix Spike	BLH0329-MS1	NT1708172309S.D	08/16/2023	
LCS Dup	BLH0329-BSD1	NT1708172308S.D	08/16/2023	
Reference	BLH0329-SRM1	NT1708172311S.D	08/16/2023	
LCS	BLH0329-BS1	NT1708172307S.D	08/16/2023	
Blank	BLH0329-BLK1	NT1708172306S.D	08/16/2023	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BENCH SHEET

CLH0123

Matrix: Solid **Cleanup using: Organics - EPA 3640A GPC Cleanup 1:1** **Check Standard: CLC0092-GPC1** **Printed: 8/16/2023 1:13:16PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
23H0221-03	B	LDW23-SS1071	B 01	1	1	8270E-SIM Dual Scan SVOC	8/16/2023	NRB	
23H0221-04	B	LDW23-SS1078	B 01	1	1	8270E-SIM Dual Scan SVOC	8/16/2023	NRB	
23H0221-05	B	LDW23-SS1807	B 01	1	1	8270E-SIM Dual Scan SVOC	8/16/2023	NRB	
23H0221-06	B	LDW23-SS1055	B 01	1	1	8270E-SIM Dual Scan SVOC	8/16/2023	NRB	
23H0221-07	B	LDW23-SS1034	B 01	1	1	8270E-SIM Dual Scan SVOC	8/16/2023	NRB	
23H0221-08	B	LDW23-SS1806	B 01	1	1	8270E-SIM Dual Scan SVOC	8/16/2023	NRB	
BLH0329-BLK1	-	Blank	-	1	1	-	8/16/2023	NRB	
BLH0329-BS1	-	LCS	-	1	1	-	8/16/2023	NRB	
BLH0329-BSD1	-	LCS Dup	-	1	1	-	8/16/2023	NRB	
BLH0329-MS1	-	Matrix Spike	-	1	1	-	8/16/2023	NRB	
BLH0329-MSD1	-	Matrix Spike Dup	-	1	1	-	8/16/2023	NRB	
BLH0329-SRM1	-	Reference	-	1	1	-	8/16/2023	NRB	

Analytical Resources, LLC
Analytical Chemists and Consultants

Form I

METHOD BLANK DATA SHEET

EPA 8270E-SIM

Blank

Laboratory:	Analytical Resources, LLC			SDG:	23H0221
Client:	Anchor QEA, LLC			Project:	AOC5 MR Phase 1
Matrix:	Solid	Laboratory ID:	BLH0180-BLK2	File ID:	NT1708112312S.D
Sampled:	N/A	Prepared:	08/08/23 09:17	Analyzed:	08/11/23 19:06
Solids:		Preparation:	EPA 3546 (Microwave)	Initial/Final:	10 g / 1 mL
Batch:	BLH0180	Sequence:	SLH0248	Calibration:	GH00045
Instrument:	NT17	Column:	ZB-5MS		

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg wet)	Q	DL	RL
106-46-7	1,4-Dichlorobenzene	1	5.0	U	0.6	5.0
95-50-1	1,2-Dichlorobenzene	1	5.0	U	0.7	5.0
100-51-6	Benzyl Alcohol	1	20.0	U	2.5	20.0
65-85-0	Benzoic acid	1	100	U	13.4	100
106-44-5	4-Methylphenol	1	5.0	U	0.9	5.0
105-67-9	2,4-Dimethylphenol	1	20.0	U	2.2	20.0
120-82-1	1,2,4-Trichlorobenzene	1	5.0	U	2.7	5.0
86-30-6	N-Nitrosodiphenylamine	1	5.0	U	1.3	5.0
87-86-5	Pentachlorophenol	1	20.0	U	2.1	20.0

SURROGATES	ADDED (ug/mL)	CONC. (ug/mL)	% REC	QC LIMITS	Q
2-Fluorophenol	7.5000	4.18	55.7	27 - 120	
p-Terphenyl-d14	5.0000	3.53	70.6	37 - 120	

Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT17081123128.D

Date : 11-AUG-2023 19:06

Client ID:

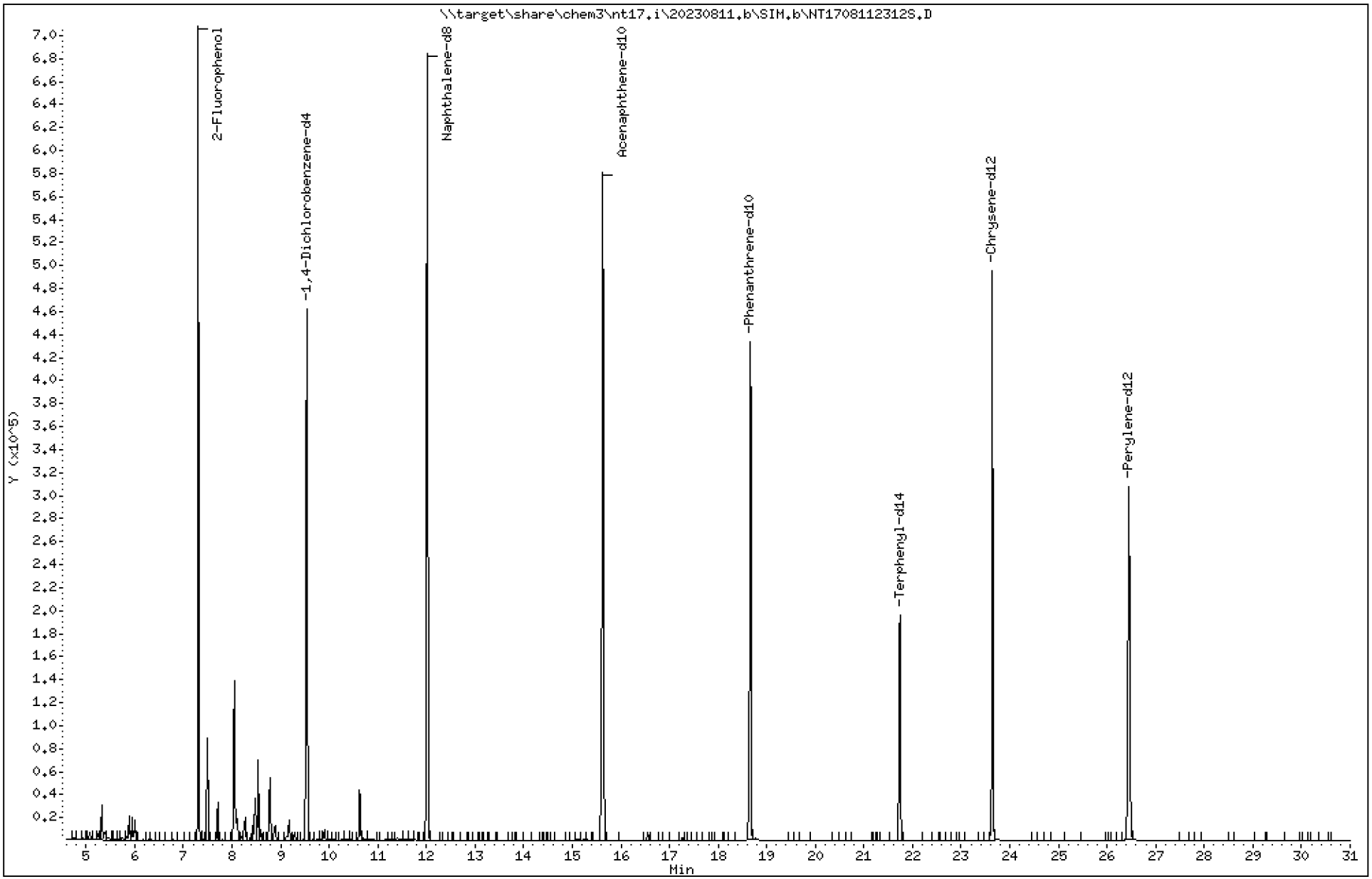
Instrument: nt17.i

Sample Info: BLH0180-BLK1

Operator: YZ

Column phase: ZB-5msi

Column diameter: 0.25



Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT17081123128.D

Date : 11-AUG-2023 19:06

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BLK1

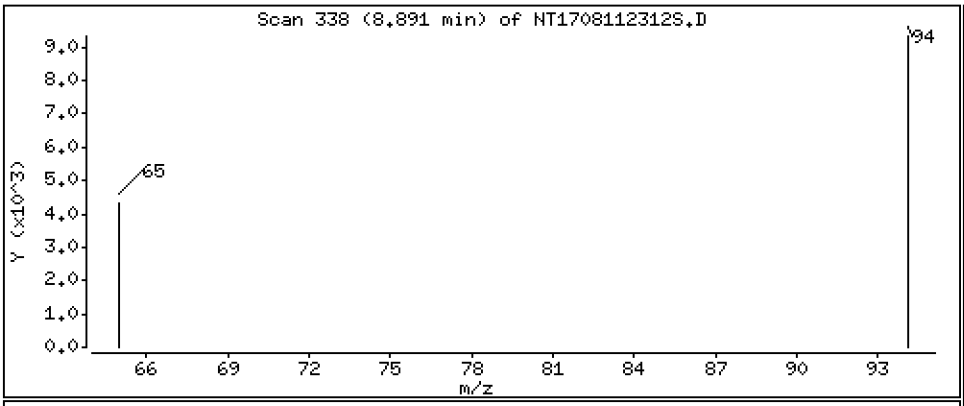
Operator: YZ

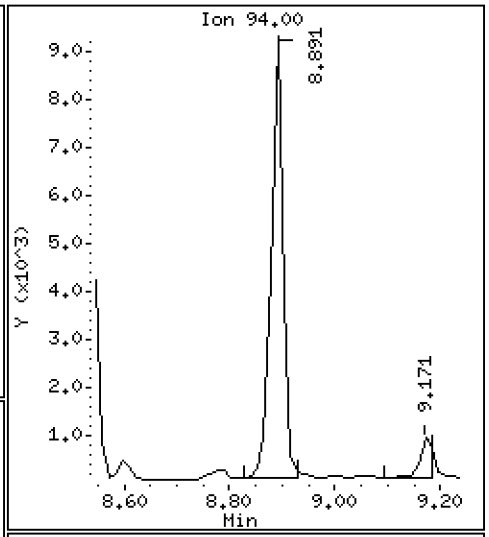
Column phase: ZB-5msi

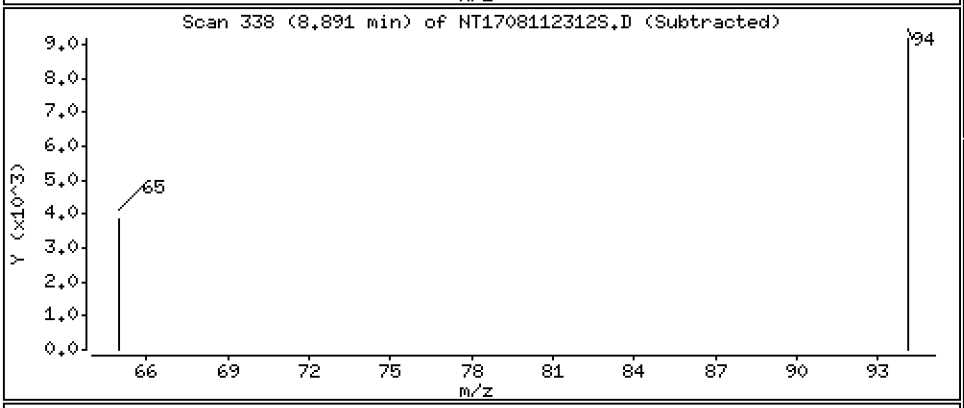
Column diameter: 0.25

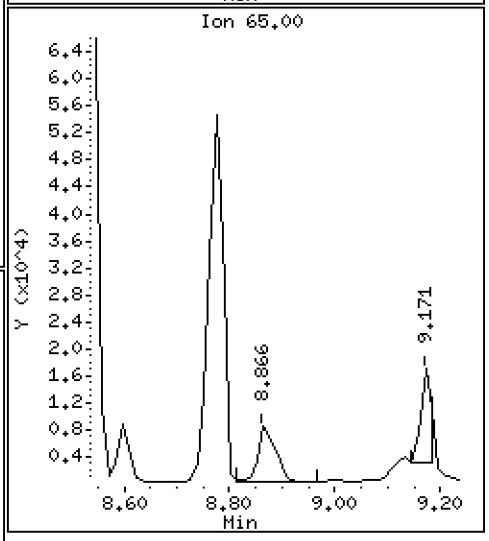
3 Phenol

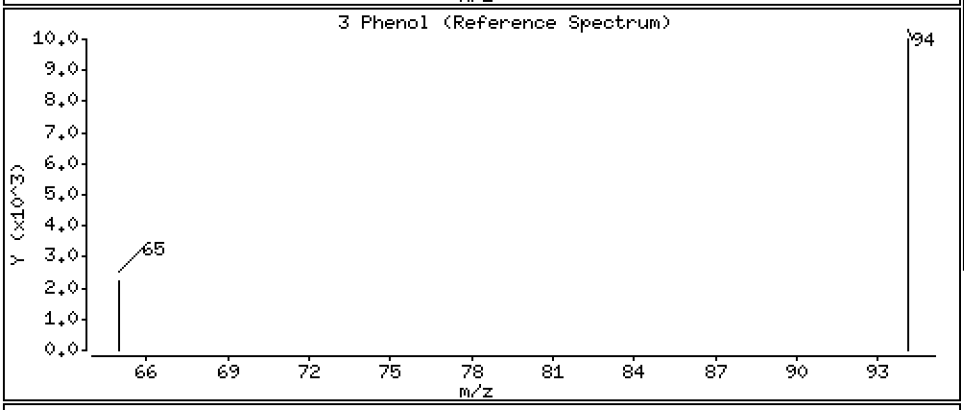
Concentration: 0.07620 ug/mL

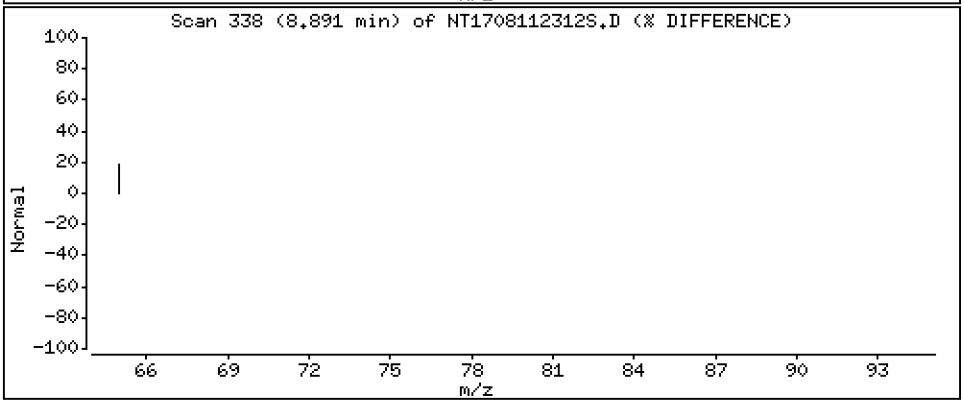












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT17081123125.D

Date : 11-AUG-2023 19:06

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BLK1

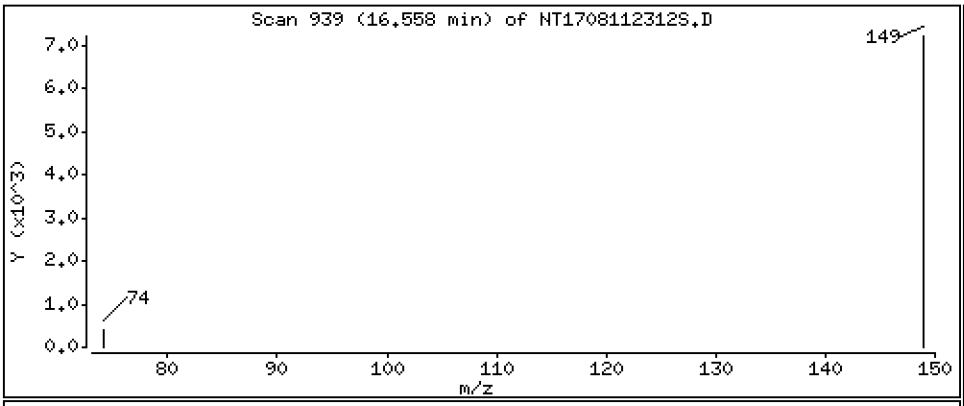
Operator: YZ

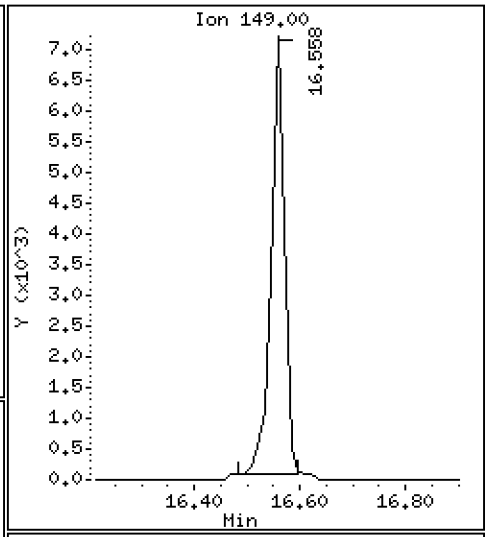
Column phase: ZB-5msi

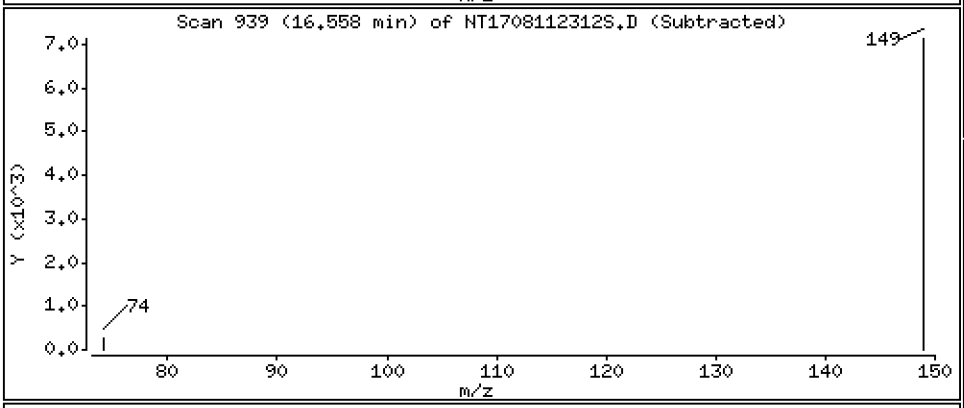
Column diameter: 0.25

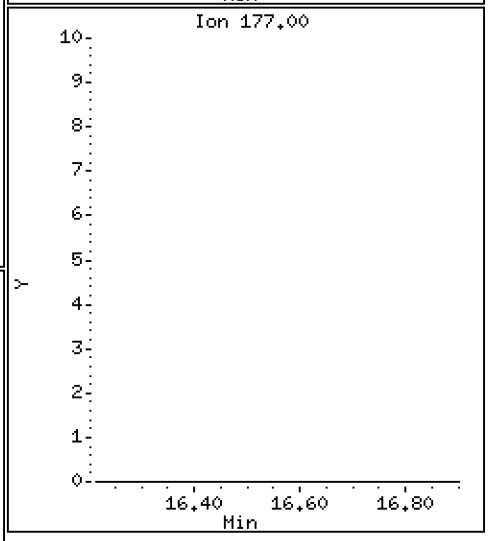
50 Diethylphthalate

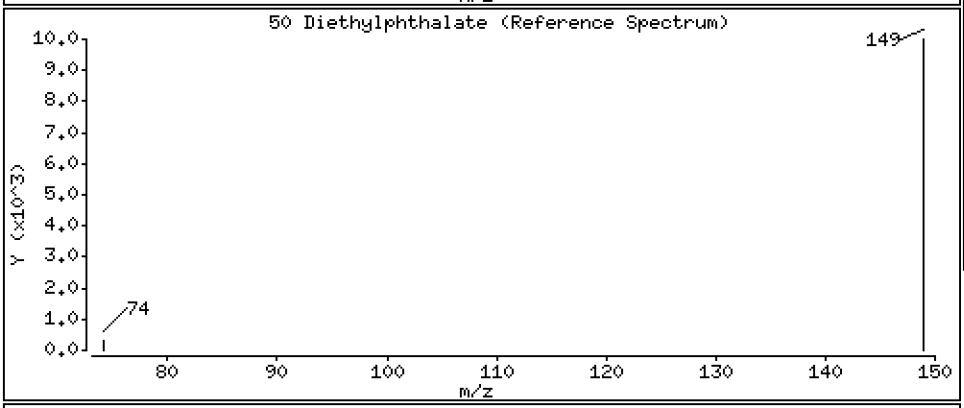
Concentration: 0.06731 ug/mL

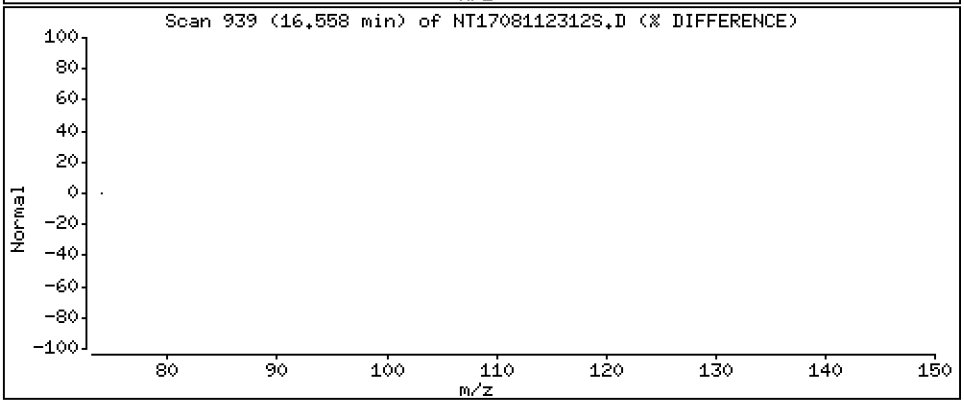












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT17081123128.D

Date : 11-AUG-2023 19:06

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BLK1

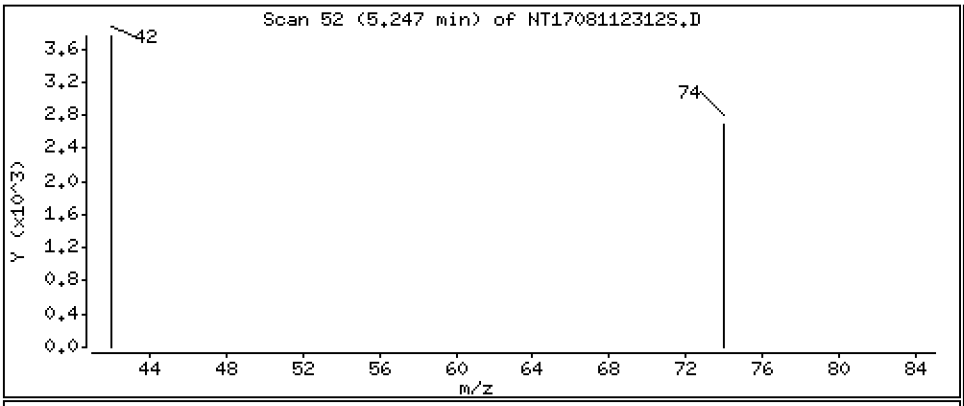
Operator: YZ

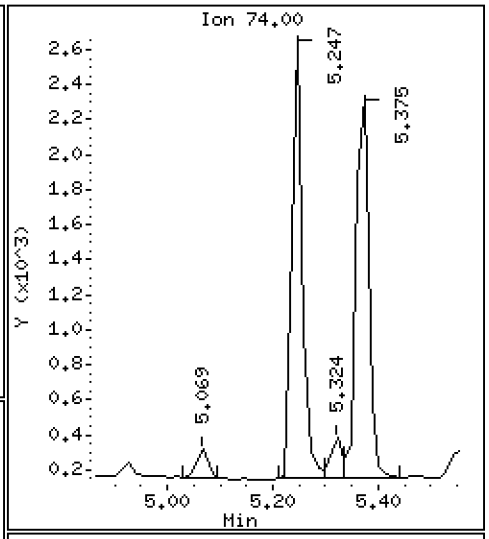
Column phase: ZB-5msi

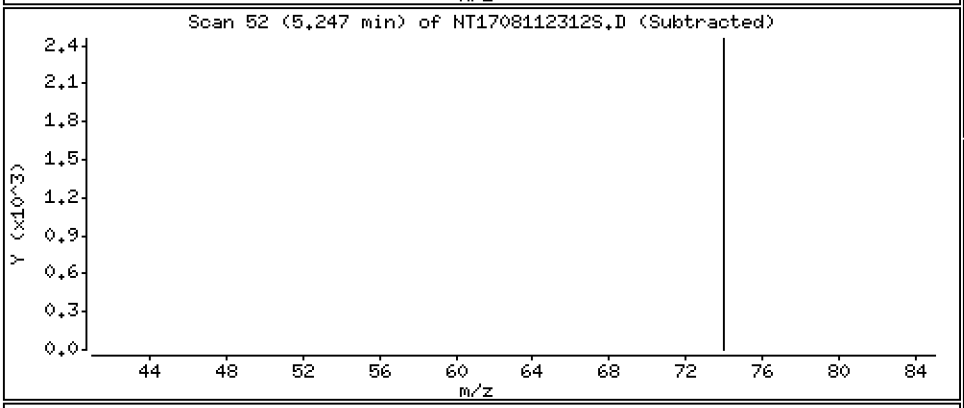
Column diameter: 0.25

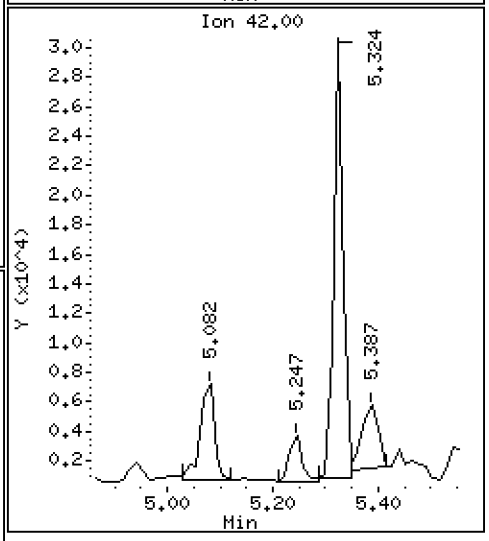
90 N-Nitrosodimethylamine

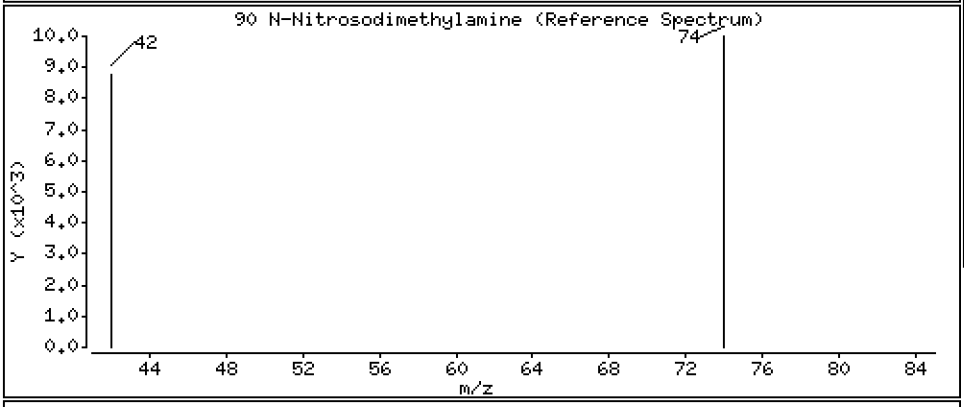
Concentration: 0.02818 ug/mL

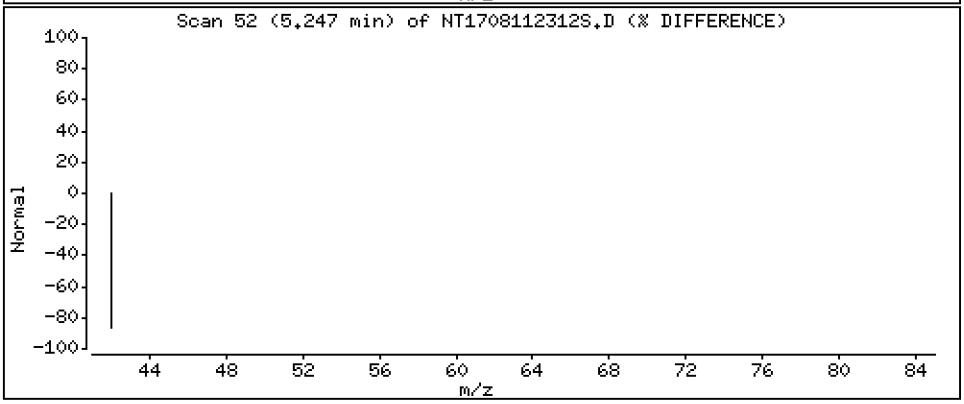












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112312S.D
Lab Smp Id: BLH0180-BLK1
Inj Date : 11-AUG-2023 19:06
Operator : YZ Inst ID: nt17.i
Smp Info : BLH0180-BLK1
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230811.b\SIM.b\SIMABN2.m
Meth Date : 16-Aug-2023 08:42 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
$	1	2-Fluorophenol	112	7.311	7.298	(0.766)	516783	4.18018	4.180(R)
	3	Phenol	94	8.891	8.891	(0.932)	14361	0.07620	0.07620
	7	1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8	1,4-Dichlorobenzene-d4	152	9.541	9.541	(1.000)	297737	4.00000	
	9	1,4-Dichlorobenzene	146	Compound Not Detected.					
	11	Benzyl alcohol	79	Compound Not Detected.					
	12	1,2-Dichlorobenzene	146	Compound Not Detected.					
	13	2-Methylphenol	108	Compound Not Detected.					
	15	4-Methylphenol	108	Compound Not Detected.					
	16	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	22	2,4-Dimethylphenol	107	Compound Not Detected.					
	24	Benzoic acid	105	Compound Not Detected.					
	26	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27	Naphthalene-d8	136	12.018	12.018	(1.000)	1248020	4.00000	
	30	Hexachlorobutadiene	225	Compound Not Detected.					
	39	Dimethylphthalate	163	Compound Not Detected.					
*	42	Acenaphthene-d10	162	15.627	15.627	(1.000)	554198	4.00000	
	50	Diethylphthalate	149	16.557	16.557	(1.060)	12607	0.06731	0.06731
	54	N-Nitrosodiphenylamine	169	Compound Not Detected.					
	57	Hexachlorobenzene	284	Compound Not Detected.					
	58	Pentachlorophenol	266	Compound Not Detected.					
*	59	Phenanthrene-d10	188	18.659	18.659	(1.000)	887885	4.00000	
$	66	Terphenyl-d14	244	21.745	21.745	(0.920)	313230	3.52773	3.528(R)
	67	Butylbenzylphthalate	149	Compound Not Detected.					
*	69	Chrysene-d12	240	23.646	23.646	(1.000)	641634	4.00000	
*	77	Perylene-d12	264	26.452	26.452	(1.000)	615375	4.00000	
	79	Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	90	N-Nitrosodimethylamine	74	5.247	5.209	(0.550)	3545	0.02818	0.02818

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708112312S.D
Lab Smp Id: BLH0180-BLK1
Analysis Type: SV
Quant Type: ISTD
Operator: YZ
Method File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\SIMABN2.m
Misc Info:

Calibration Date: 11-AUG-2023
Calibration Time: 13:27
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	295324	147662	590648	297737	0.82
27 Naphthalene-d8	1172715	586358	2345430	1248020	6.42
42 Acenaphthene-d10	521273	260637	1042546	554198	6.32
59 Phenanthrene-d10	837823	418912	1675646	887885	5.98
69 Chrysene-d12	615517	307759	1231034	641634	4.24
77 Perylene-d12	594634	297317	1189268	615375	3.49

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.54	9.04	10.04	9.54	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.66	0.00
69 Chrysene-d12	23.65	23.15	24.15	23.65	0.00
77 Perylene-d12	26.45	25.95	26.95	26.45	0.00

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

REVIEW SUMMARY FOR FILE - NT1708112312S.D

Lab ID: BLH0180-BLK1
nt17.i, 20230811.b\SIM.b\SIMABN2.m,   11-AUG-2023 19:06

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND

NONE

RRT check based on Ccal File: SIM.b/NT1708112303S.D

On Column LOD for nt17.i, SIM.b\SIMABN2.m, PSDDA.sub = 0.0000

Exception: 1,2,4-Trichlorobenzene 0.0010

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

Form I

METHOD BLANK DATA SHEET

EPA 8270E-SIM

Blank

Laboratory:	Analytical Resources, LLC			SDG:	23H0221
Client:	Anchor QEA, LLC			Project:	AOC5 MR Phase 1
Matrix:	Solid	Laboratory ID:	BLH0329-BLK1	File ID:	NT1708172306S.D
Sampled:	N/A	Prepared:	08/14/23 09:29	Analyzed:	08/17/23 22:42
Solids:		Preparation:	EPA 3546 (Microwave)	Initial/Final:	10 g / 1 mL
Batch:	BLH0329	Sequence:	SLH0293	Calibration:	GH00045
Instrument:	NT17	Column:	ZB-5MS	Cleanups:	GPC

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg wet)	Q	DL	RL
106-46-7	1,4-Dichlorobenzene	1	5.0	U	0.6	5.0
95-50-1	1,2-Dichlorobenzene	1	5.0	U	0.7	5.0
100-51-6	Benzyl Alcohol	1	20.0	U	2.5	20.0
65-85-0	Benzoic acid	1	14.6	J	13.4	100
105-67-9	2,4-Dimethylphenol	1	20.0	U	2.2	20.0
120-82-1	1,2,4-Trichlorobenzene	1	5.0	U	2.7	5.0
86-30-6	N-Nitrosodiphenylamine	1	5.0	U	1.3	5.0
87-86-5	Pentachlorophenol	1	20.0	U	2.1	20.0

SURROGATES	ADDED: (ug/kg wet)	FOUND: (ug/kg wet)	% REC	QC LIMITS	Q
2-Fluorophenol	750.00	478	63.8	27 - 120	
p-Terphenyl-d14	500.00	425	85.1	37 - 120	Q

Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT17081723065.D

Date : 17-AUG-2023 22:42

Client ID:

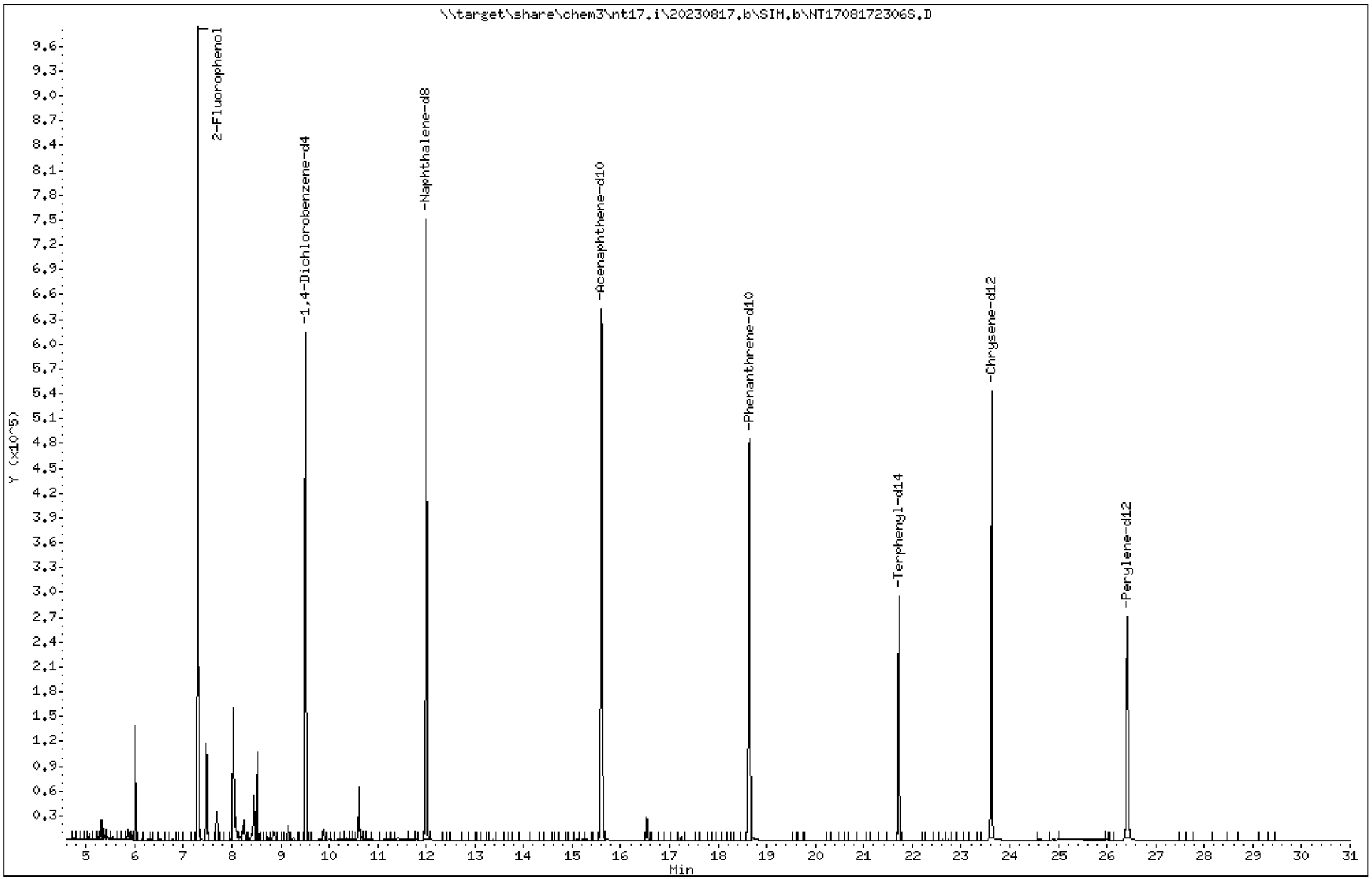
Instrument: nt17.i

Sample Info: BLH0329-BLK1

Operator: JGR

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 17-AUG-2023 22:42

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BLK1

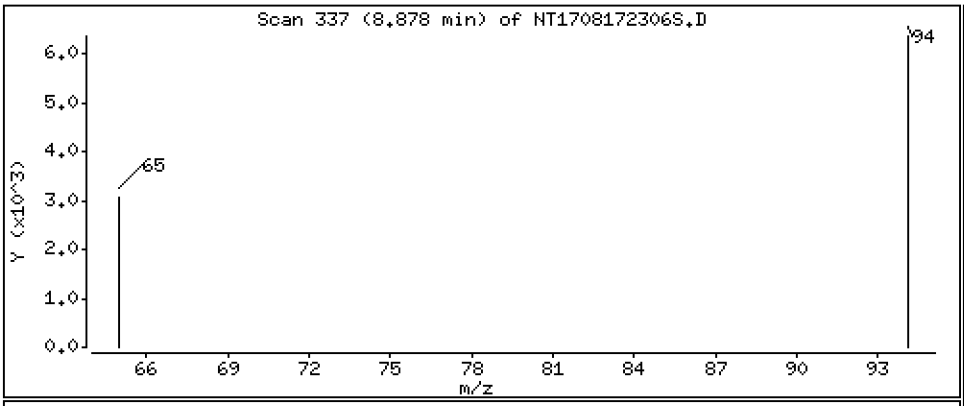
Operator: JGR

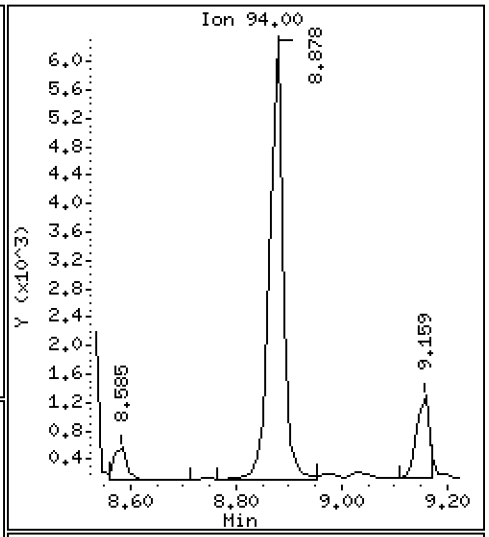
Column phase: ZB-5msi

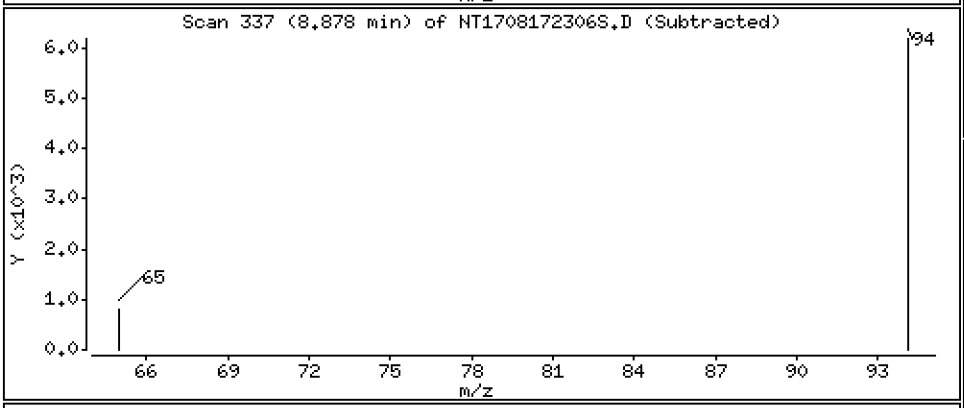
Column diameter: 0.25

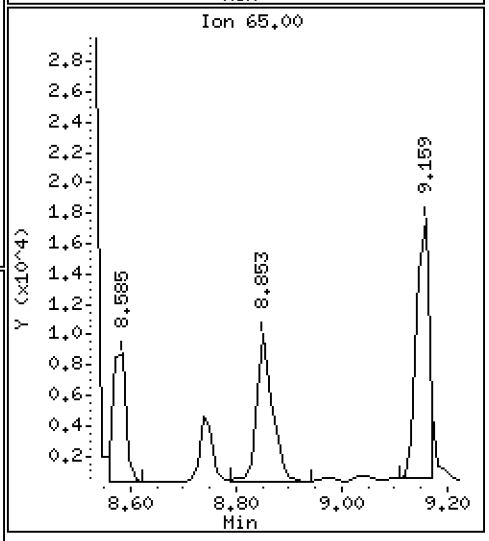
3 Phenol

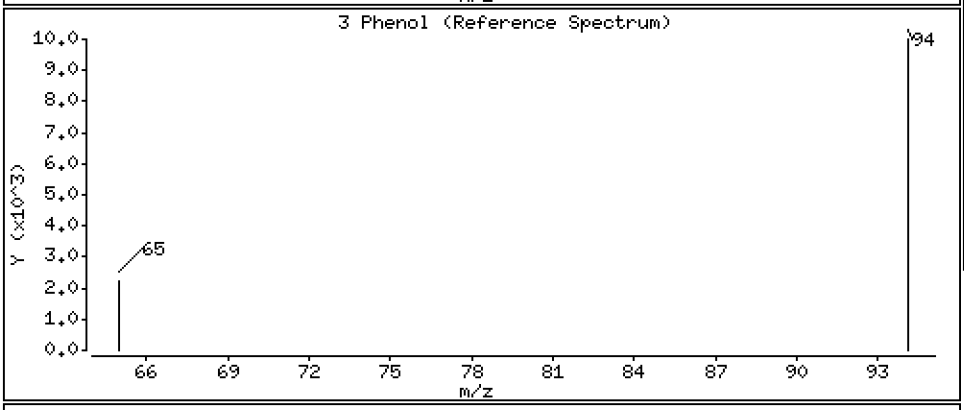
Concentration: 0.04800 ug/mL

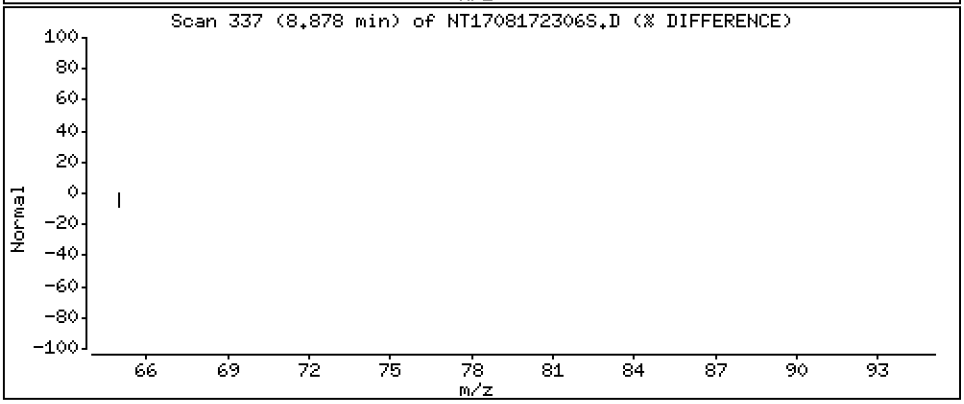












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Date : 17-AUG-2023 22:42

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BLK1

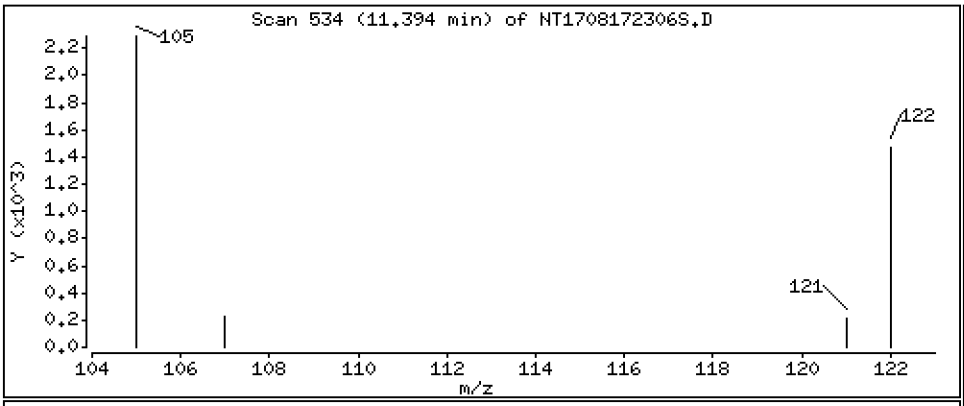
Operator: JGR

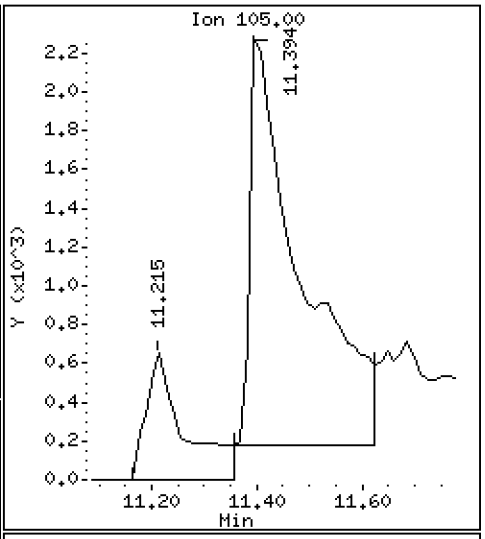
Column phase: ZB-5msi

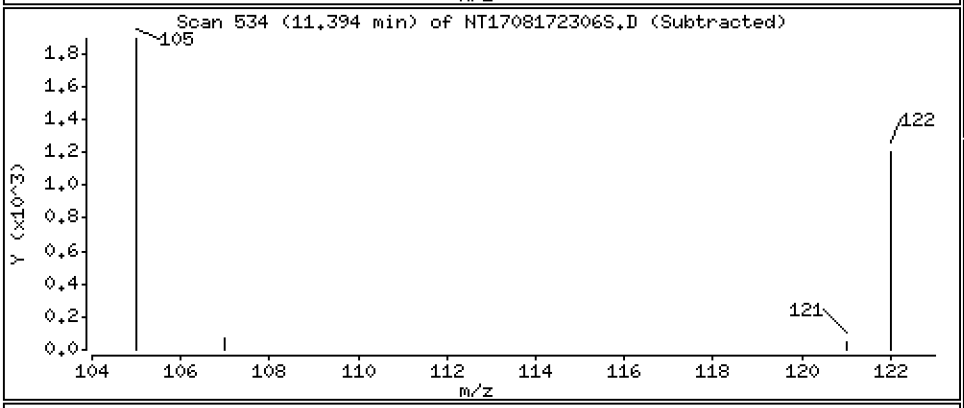
Column diameter: 0.25

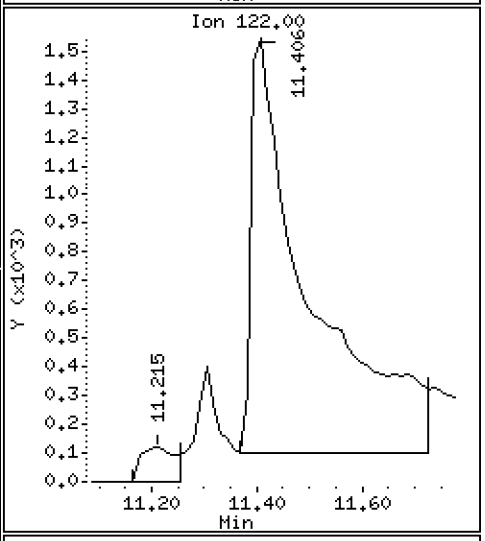
24 Benzoic acid

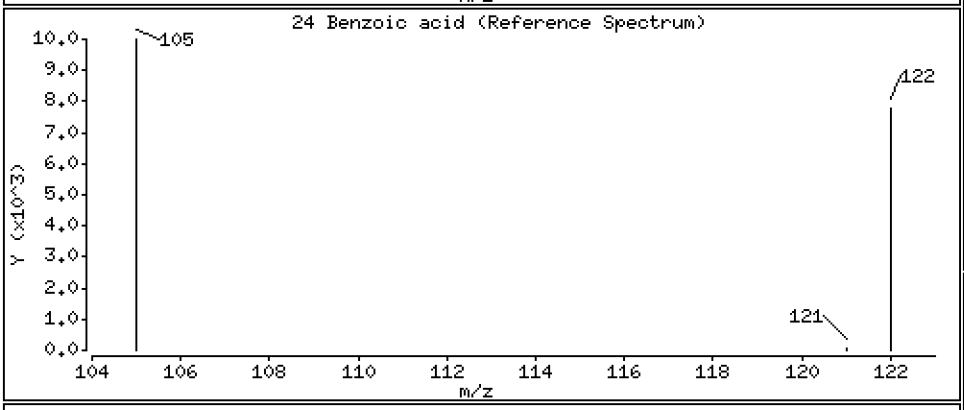
Concentration: 0.1458 ug/mL

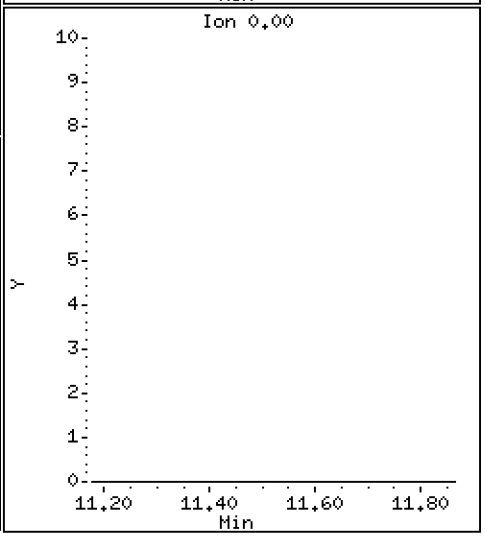


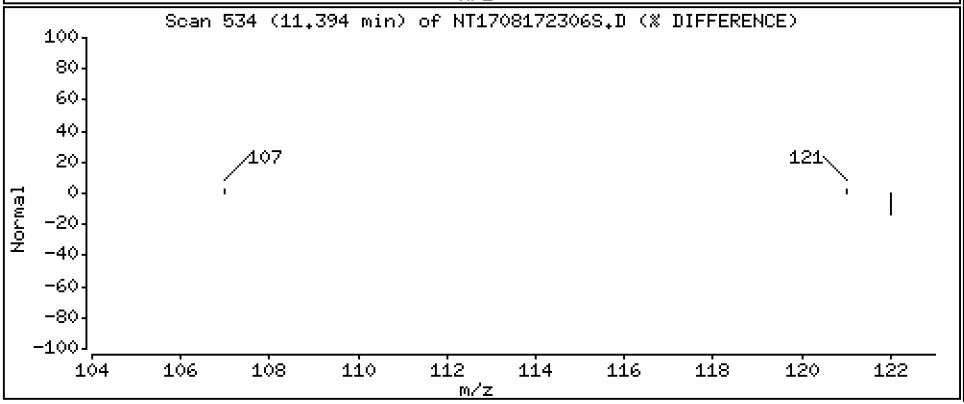












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172306S.D

Date : 17-AUG-2023 22:42

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BLK1

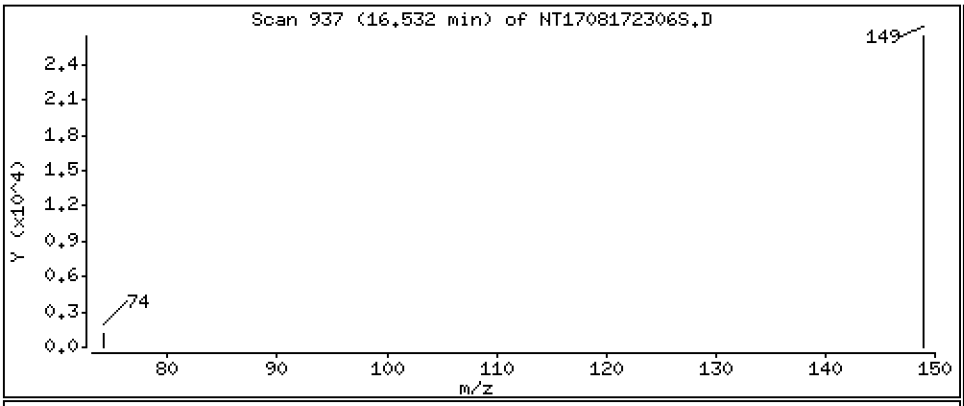
Operator: JGR

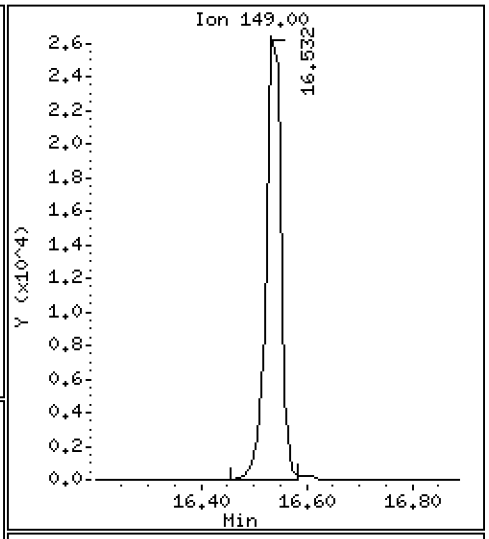
Column phase: ZB-5msi

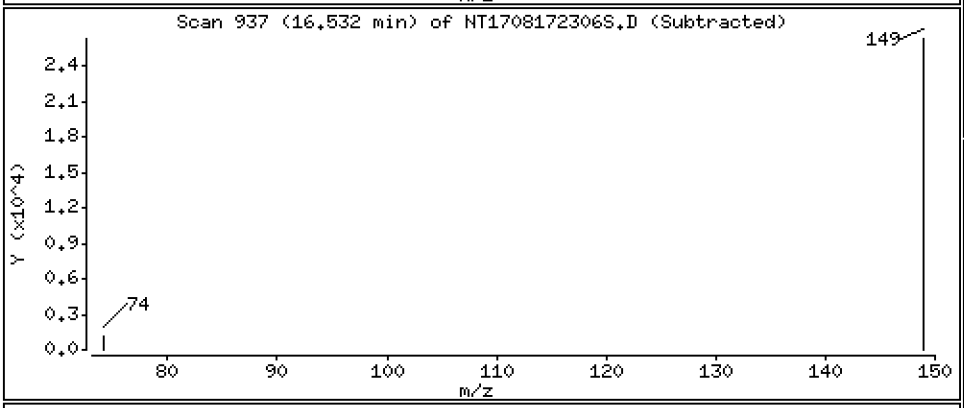
Column diameter: 0.25

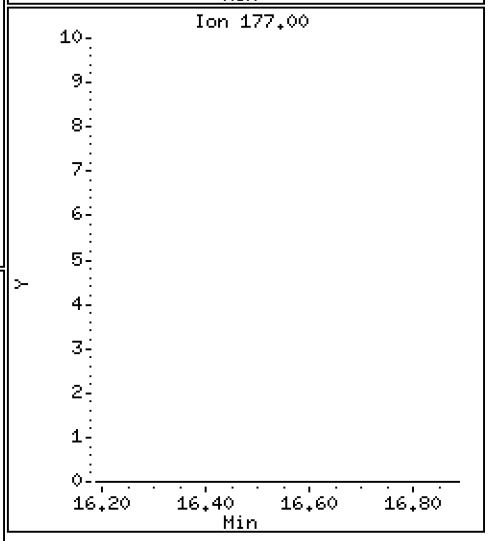
50 Diethylphthalate

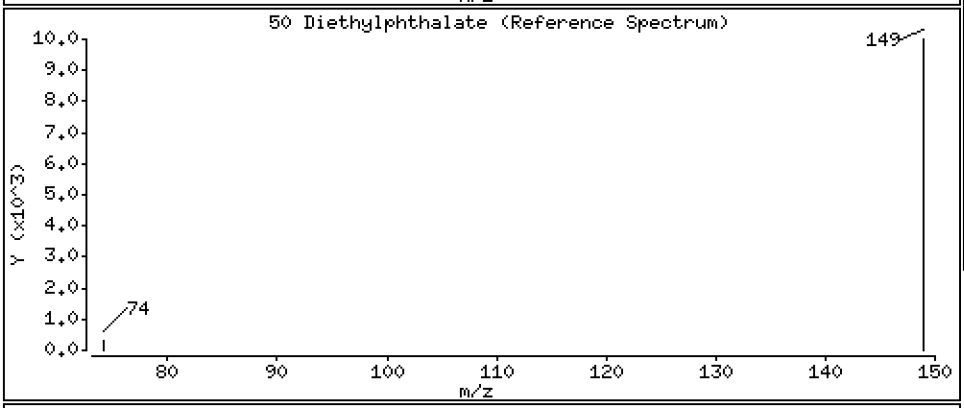
Concentration: 0.2408 ug/mL

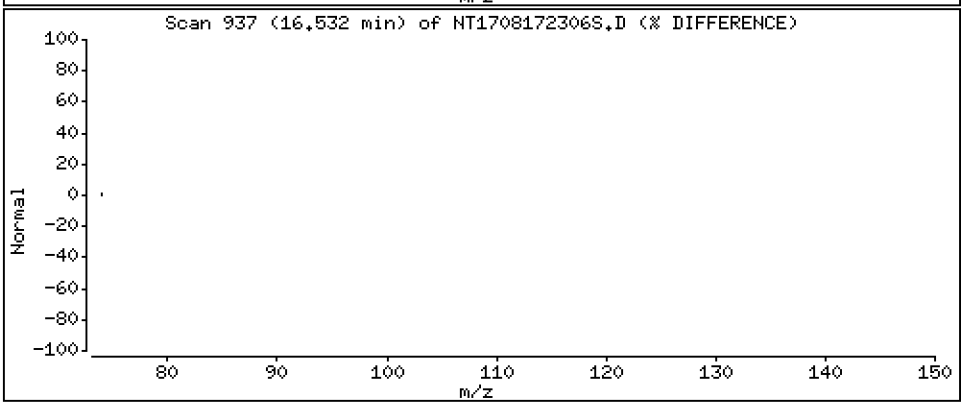












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172306S.D
Lab Smp Id: BLH0329-BLK1
Inj Date : 17-AUG-2023 22:42
Operator : JGR Inst ID: nt17.i
Smp Info : BLH0329-BLK1
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Meth Date : 19-Aug-2023 11:00 JoshuaR Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	7.298	7.285	(0.767)	717660	4.78217	4.782(R)
	3 Phenol	94	8.878	8.878	(0.933)	10980	0.04800	0.04800
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	9.515	9.515	(1.000)	361421	4.00000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	79	Compound Not Detected.					
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	24 Benzoic acid	105	11.393	11.431	(0.950)	14149	0.14579	0.1458
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	11.993	12.005	(1.000)	1480453	4.00000	
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
*	42 Acenaphthene-d10	162	15.601	15.614	(1.000)	652797	4.00000	
	50 Diethylphthalate	149	16.532	16.545	(1.060)	53117	0.24077	0.2408
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	18.646	18.646	(1.000)	1044593	4.00000	
$	66 Terphenyl-d14	244	21.720	21.720	(0.920)	393084	4.25312	4.253(R)
	67 Butylbenzylphthalate	149	Compound Not Detected.					
*	69 Chrysene-d12	240	23.620	23.620	(1.000)	667878	4.00000	
*	77 Perylene-d12	264	26.414	26.414	(1.000)	558537	4.00000	
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i Calibration Date: 17-AUG-2023
Lab File ID: NT1708172306S.D Calibration Time: 20:49
Lab Smp Id: BLH0329-BLK1
Analysis Type: SV Level:
Quant Type: ISTD Sample Type:
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Misc Info:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	348452	174226	696904	361421	3.72
27 Naphthalene-d8	1404170	702085	2808340	1480453	5.43
42 Acenaphthene-d10	619161	309581	1238322	652797	5.43
59 Phenanthrene-d10	992768	496384	1985536	1044593	5.22
69 Chrysene-d12	642334	321167	1284668	667878	3.98
77 Perylene-d12	573362	286681	1146724	558537	-2.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.52	9.02	10.02	9.52	-0.00
27 Naphthalene-d8	12.01	11.51	12.51	11.99	-0.11
42 Acenaphthene-d10	15.61	15.11	16.11	15.60	-0.08
59 Phenanthrene-d10	18.65	18.15	19.15	18.65	-0.00
69 Chrysene-d12	23.62	23.12	24.12	23.62	-0.00
77 Perylene-d12	26.41	25.91	26.91	26.41	-0.00

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

REVIEW SUMMARY FOR FILE - NT1708172306S.D

Lab ID: BLH0329-BLK1
nt17.i, 20230817.b\SIM.b\SIMABN2.m,   17-AUG-2023 22:42

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND

NONE

RRT check based on Ccal File: SIM.b/NT1708172303S.D

On Column LOD for nt17.i, SIM.b\SIMABN2.m, PSDDA.sub = 0.0000

Exception: 1,2,4-Trichlorobenzene 0.0010

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

LCS / LCS DUPLICATE RECOVERY

EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Matrix:	Solid	Analyzed:	08/11/23 19:43
Batch:	BLH0180	Laboratory ID:	BLH0180-BS2
Preparation:	EPA 3546 (Microwave)	Sequence Name:	LCS
Initial/Final:	10 g / 1 mL		

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	Q	LCS % REC. #	QC LIMITS REC.
1,4-Dichlorobenzene	500.00	309		61.9	36 - 120
1,2-Dichlorobenzene	500.00	315		63.0	36 - 120
Benzyl Alcohol	500.00	387		77.4	25 - 123
Benzoic acid	2300.0	2320	Q	101	10 - 160
4-Methylphenol	500.00	375		74.9	30 - 160
2,4-Dimethylphenol	1300.0	876		67.4	10 - 120
1,2,4-Trichlorobenzene	500.00	308		61.6	35 - 120
N-Nitrosodiphenylamine	500.00	346		69.2	27 - 120
Pentachlorophenol	1300.0	1250	Q	95.8	26 - 120

* Indicates values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Matrix:	Solid	Analyzed:	08/11/23 20:20
Batch:	BLH0180	Laboratory ID:	BLH0180-BSD2
Preparation:	EPA 3546 (Microwave)	Sequence Name:	LCS Dup
Initial/Final:	10 g / 1 mL		

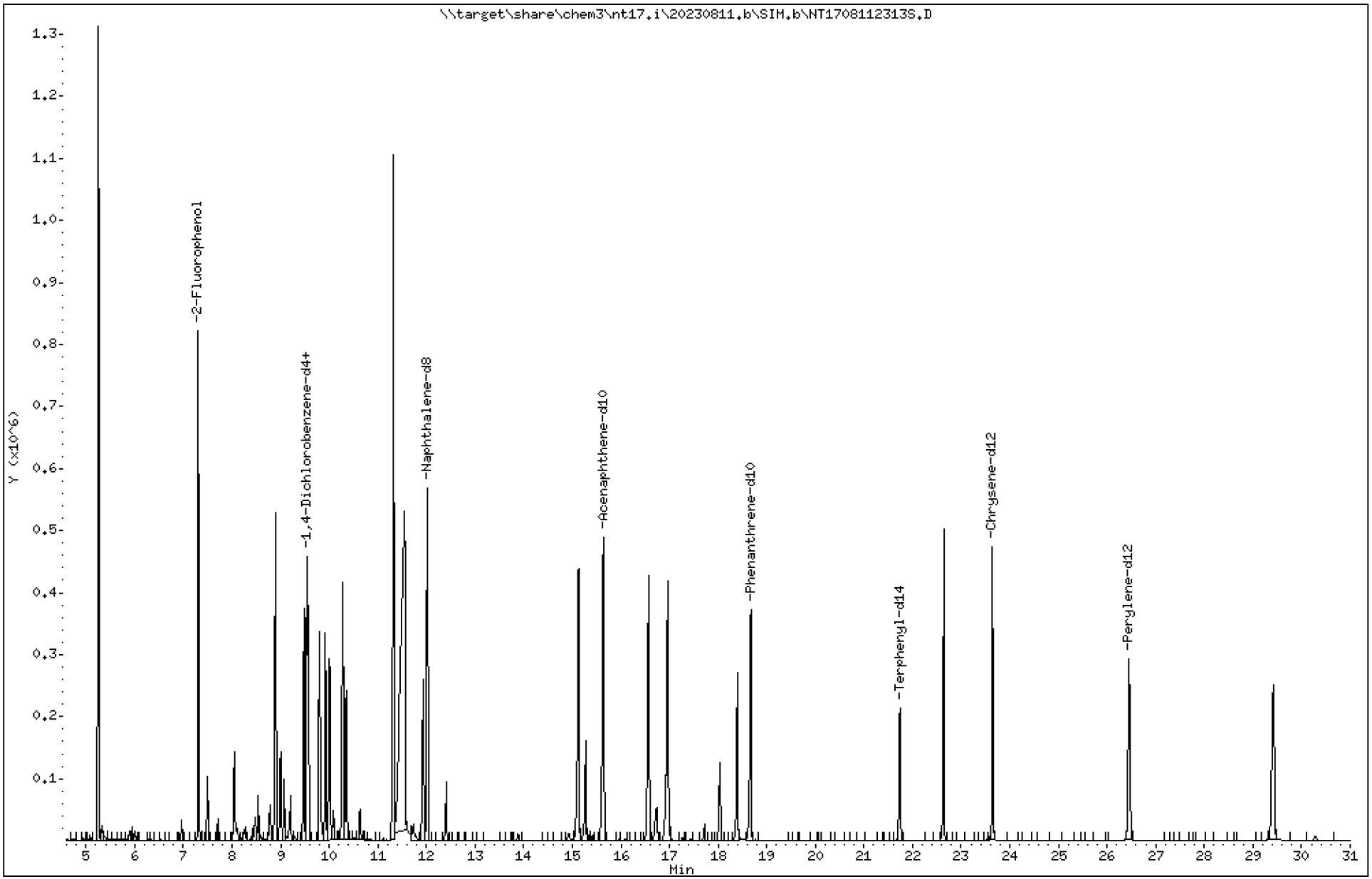
COMPOUND	SPIKE ADDED (ug/kg wet)	LCSD CONCENTRATION (ug/kg wet)	Q	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,4-Dichlorobenzene	500.00	325		65.0	5.00	30	36 - 120
1,2-Dichlorobenzene	500.00	331		66.2	4.84	30	36 - 120
Benzyl Alcohol	500.00	406		81.2	4.75	30	25 - 123
Benzoic acid	2300.0	2550	Q	111	9.18	30	10 - 160
4-Methylphenol	500.00	397		79.5	5.92	30	30 - 160
2,4-Dimethylphenol	1300.0	986		75.9	11.9	30	10 - 120
1,2,4-Trichlorobenzene	500.00	321		64.1	3.99	30	35 - 120
N-Nitrosodiphenylamine	500.00	384		76.9	10.5	30	27 - 120
Pentachlorophenol	1300.0	1390	Q	107	10.8	30	26 - 120

* Indicates values outside of QC limits

Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT17081123135.D
Date : 11-AUG-2023 19:43
Client ID:
Sample Info: BLH0180-BS1

Instrument: nt17.i
Operator: YZ
Column diameter: 0.25

Column phase: ZB-5msi



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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

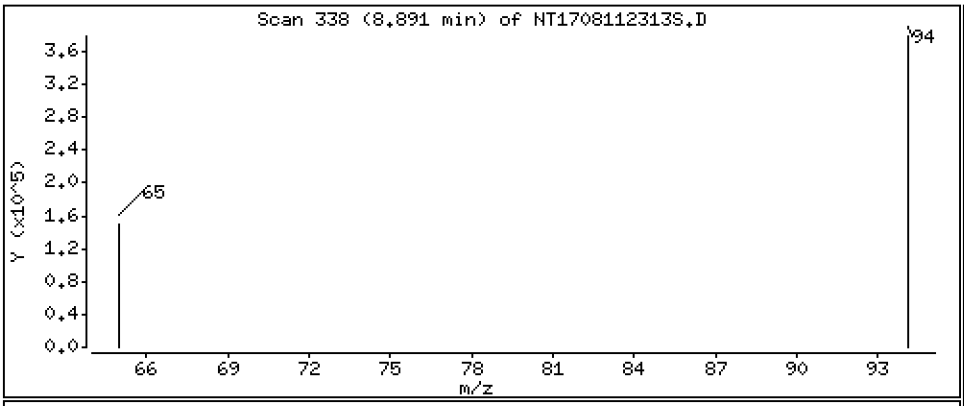
Operator: YZ

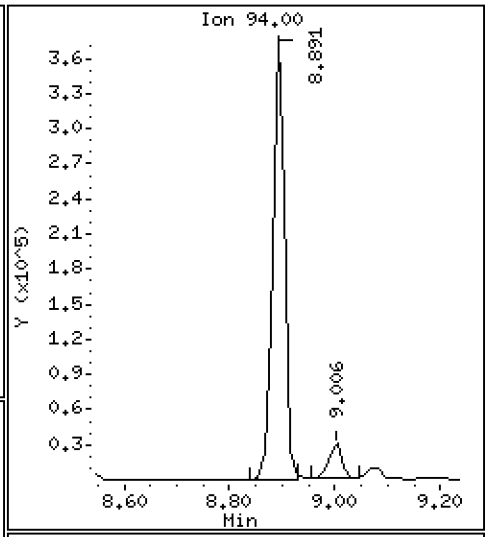
Column phase: ZB-5msi

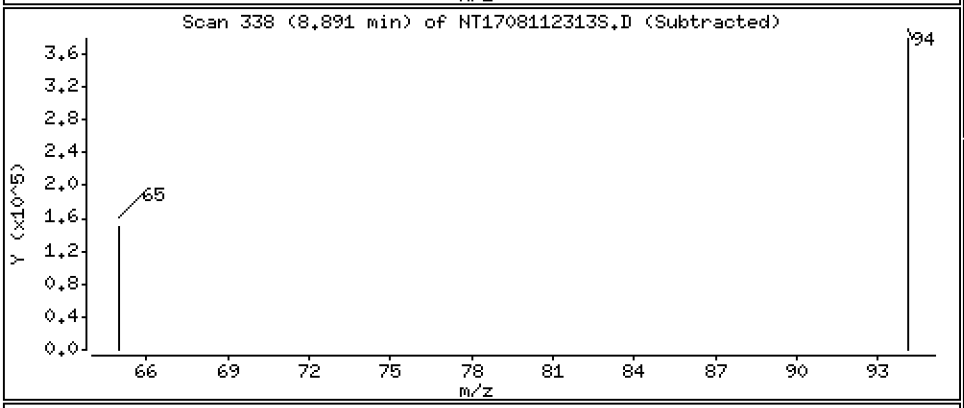
Column diameter: 0.25

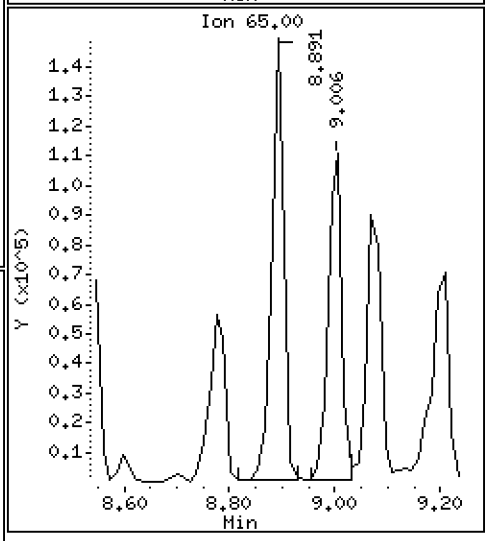
3 Phenol

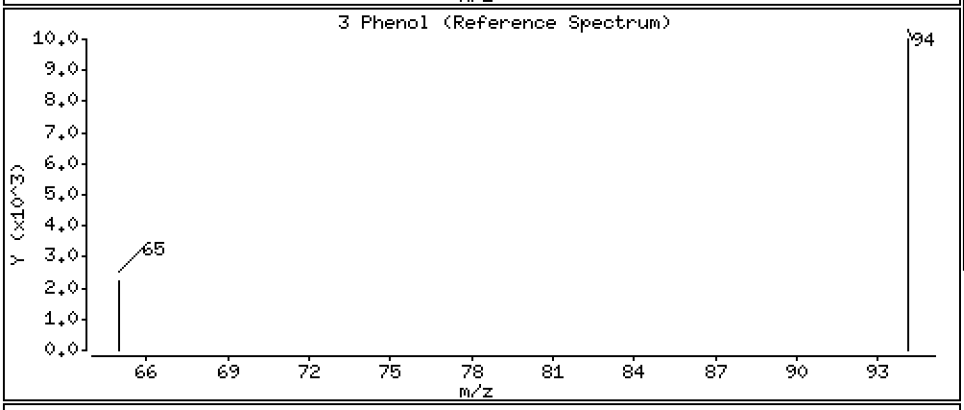
Concentration: 3.570 ug/mL

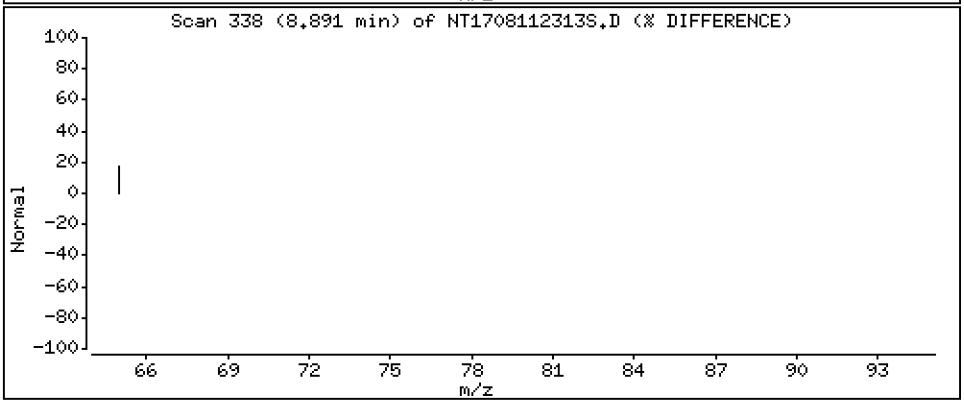












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

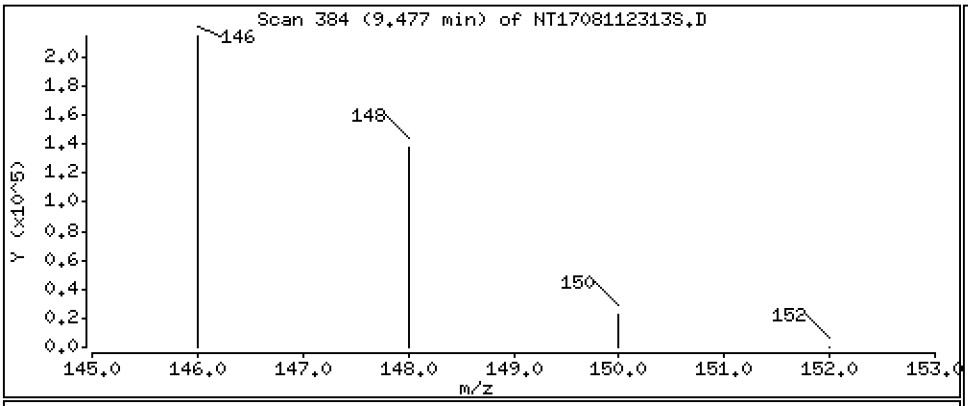
Operator: YZ

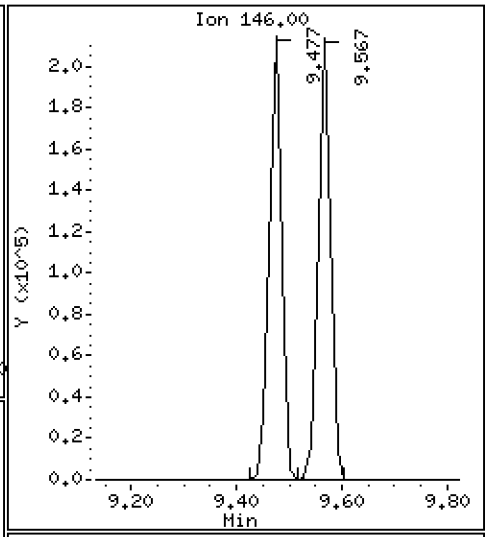
Column phase: ZB-5msi

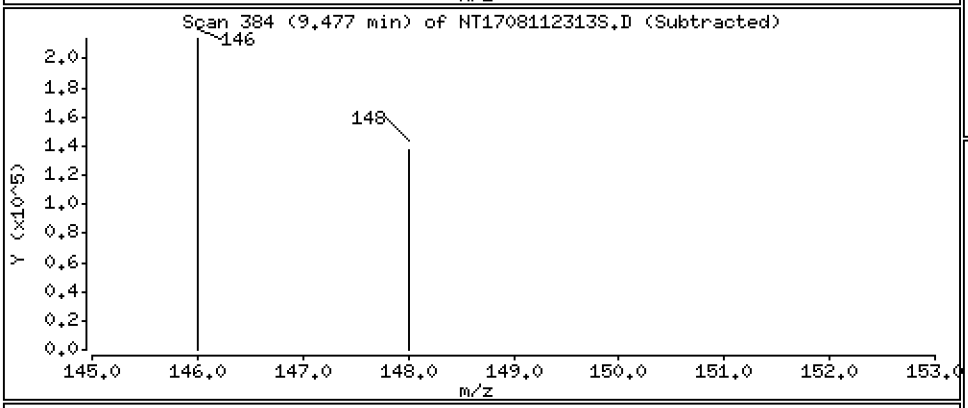
Column diameter: 0.25

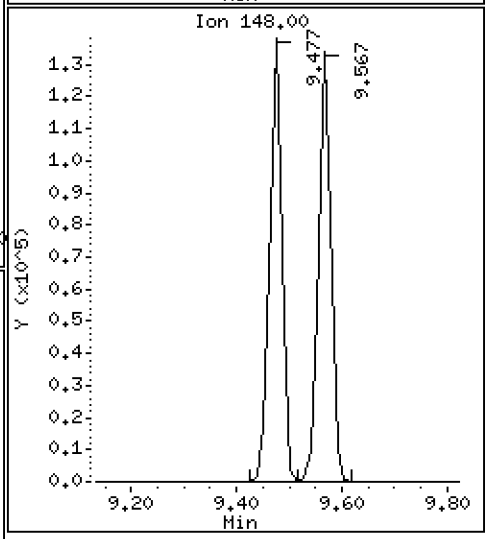
7 1,3-Dichlorobenzene

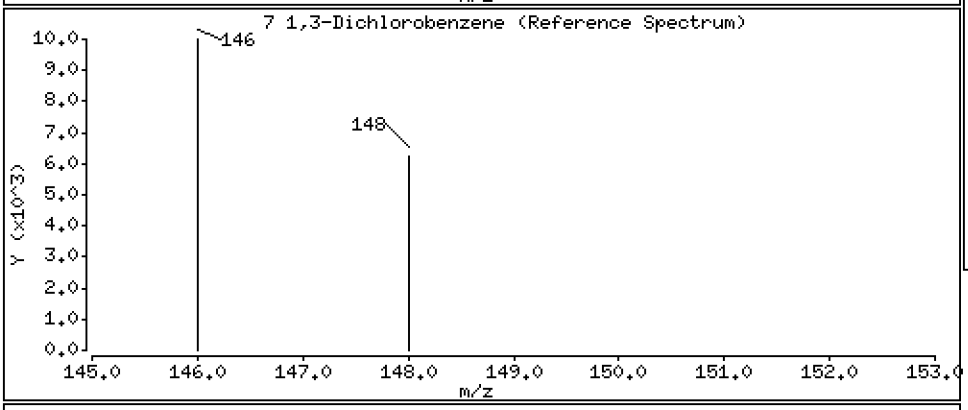
Concentration: 3.039 ug/mL

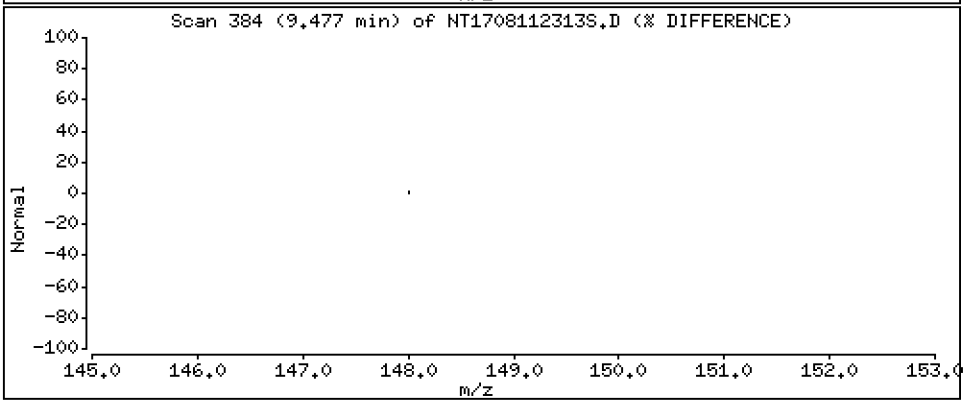












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

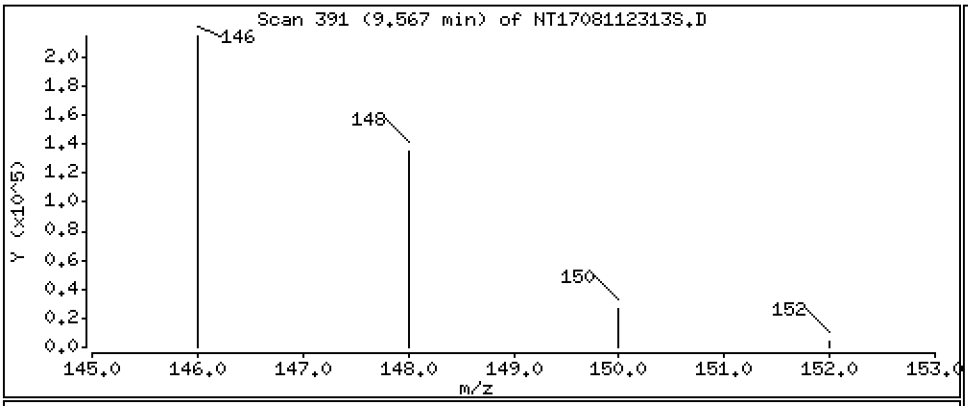
Operator: YZ

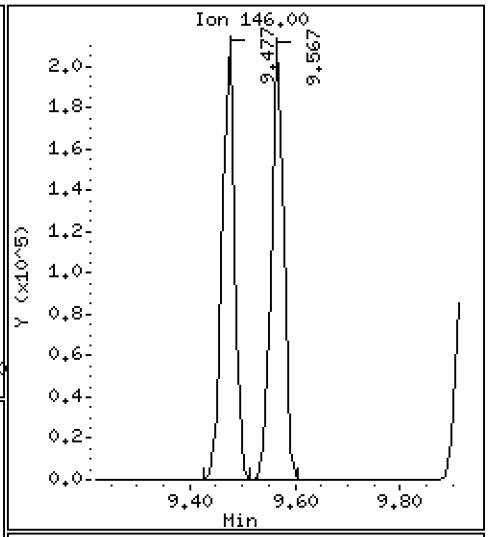
Column phase: ZB-5msi

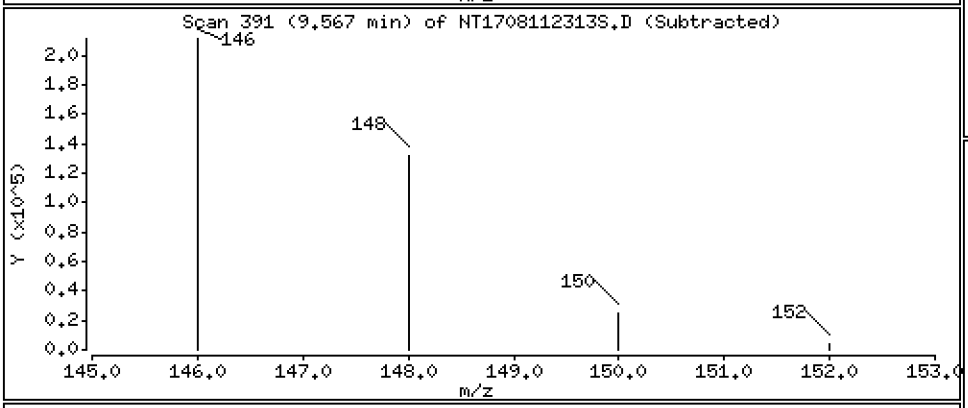
Column diameter: 0.25

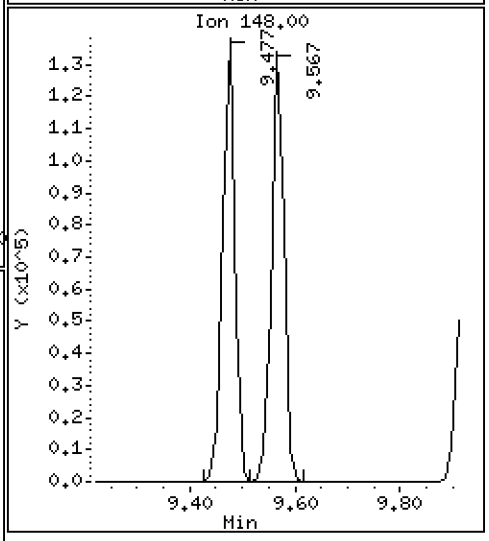
9 1,4-Dichlorobenzene

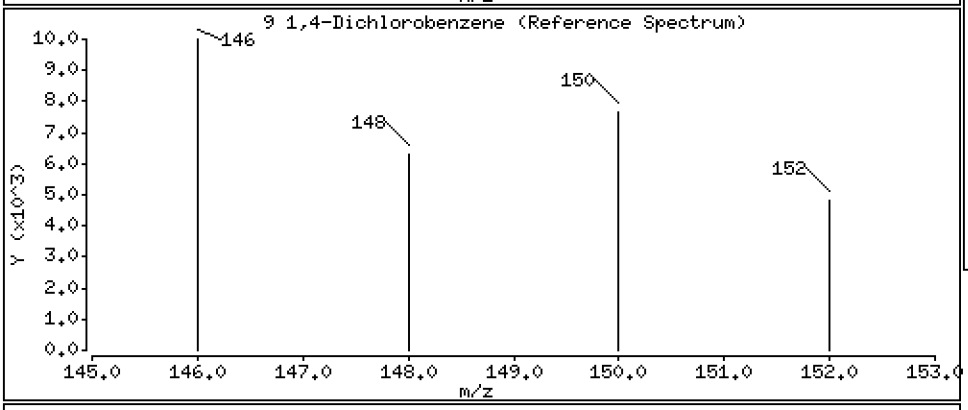
Concentration: 3.094 ug/mL

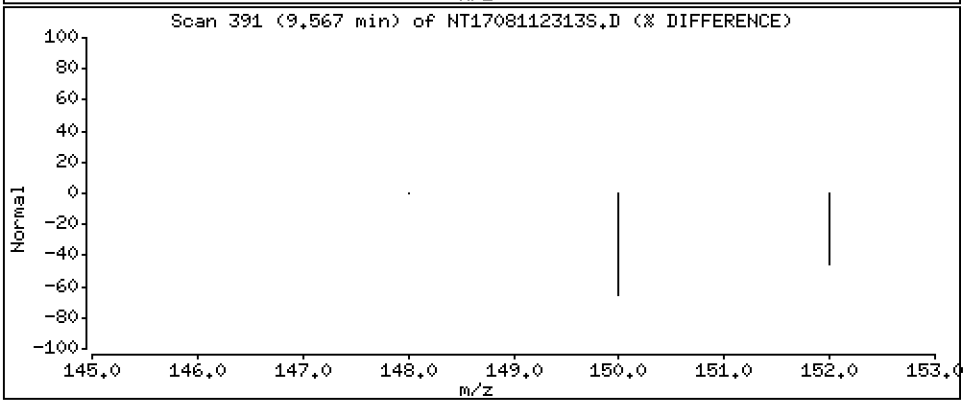












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

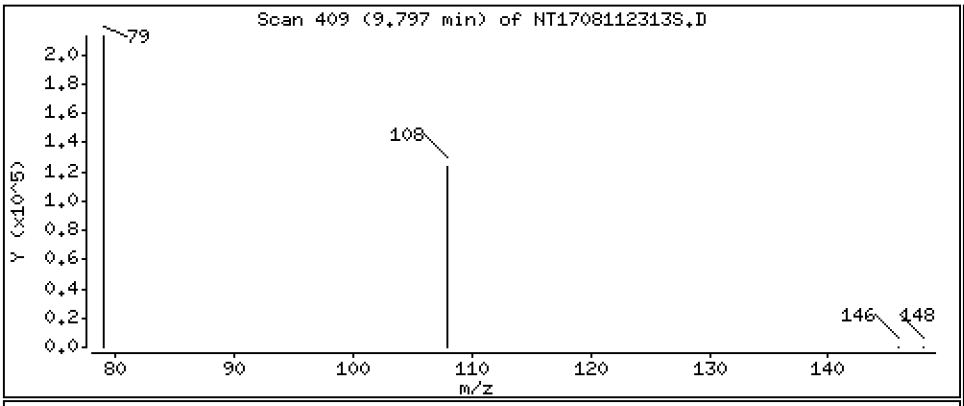
Operator: YZ

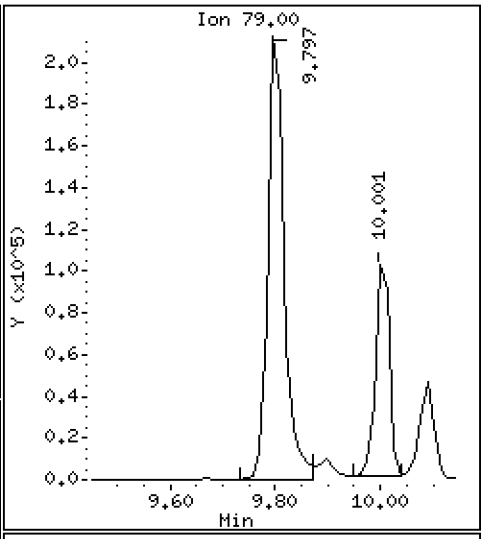
Column phase: ZB-5msi

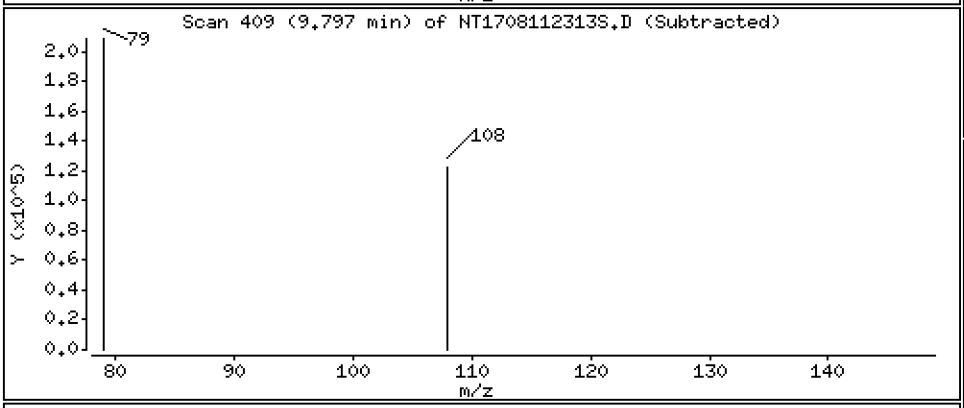
Column diameter: 0.25

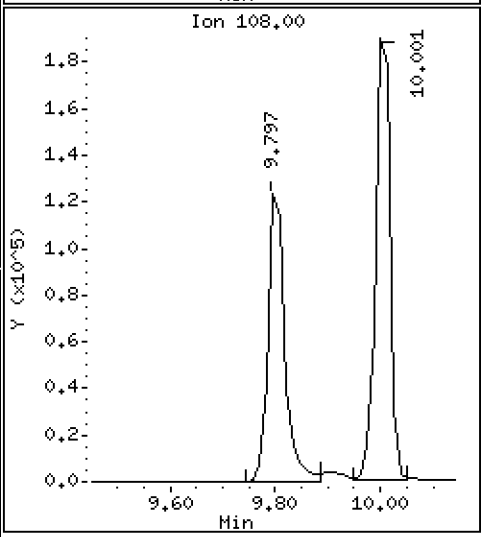
11 Benzyl alcohol

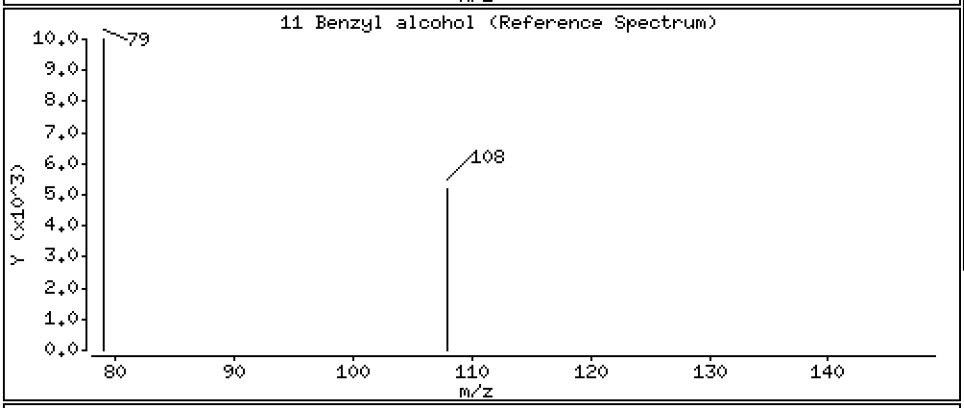
Concentration: 3.870 ug/mL

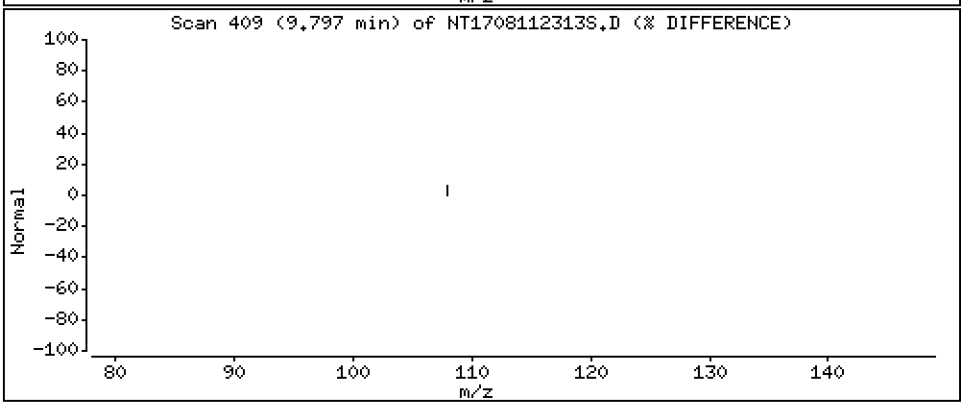












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

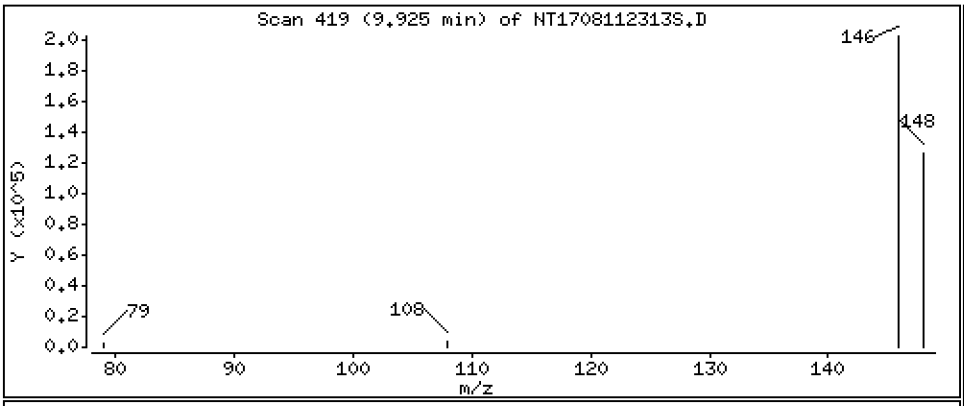
Operator: YZ

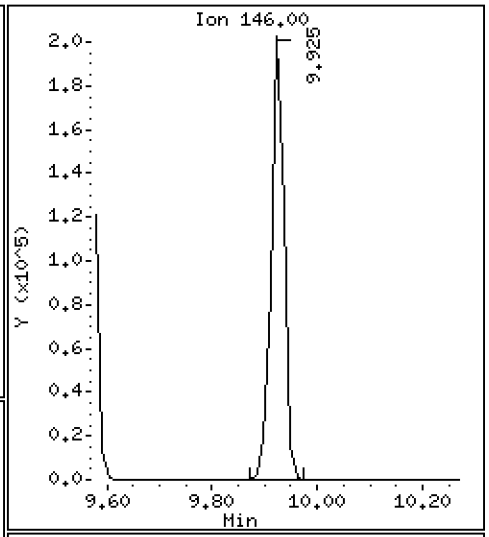
Column phase: ZB-5msi

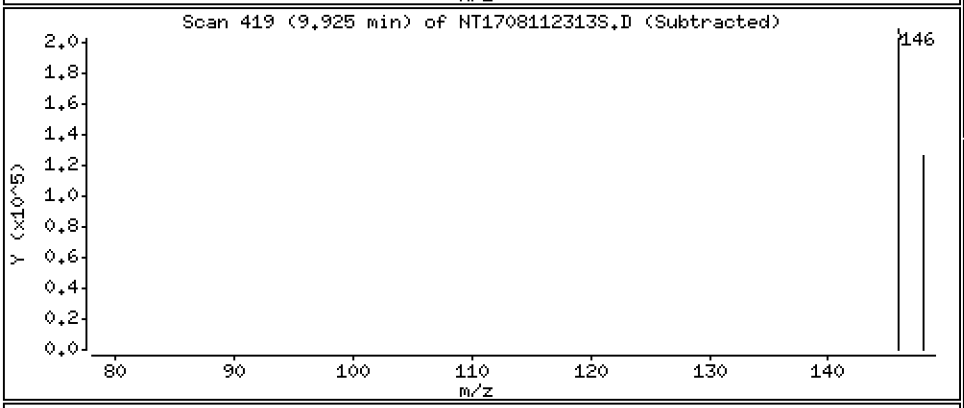
Column diameter: 0.25

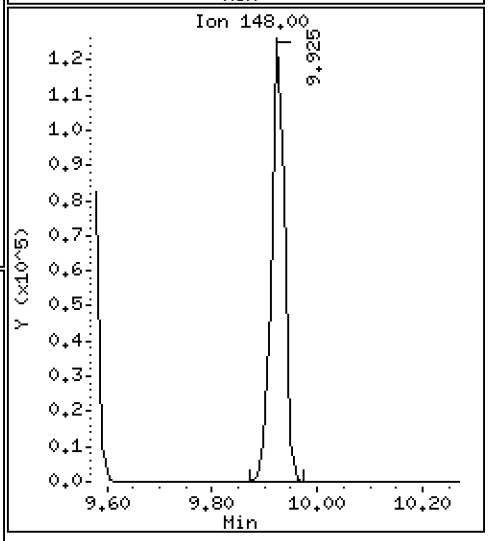
12 1,2-Dichlorobenzene

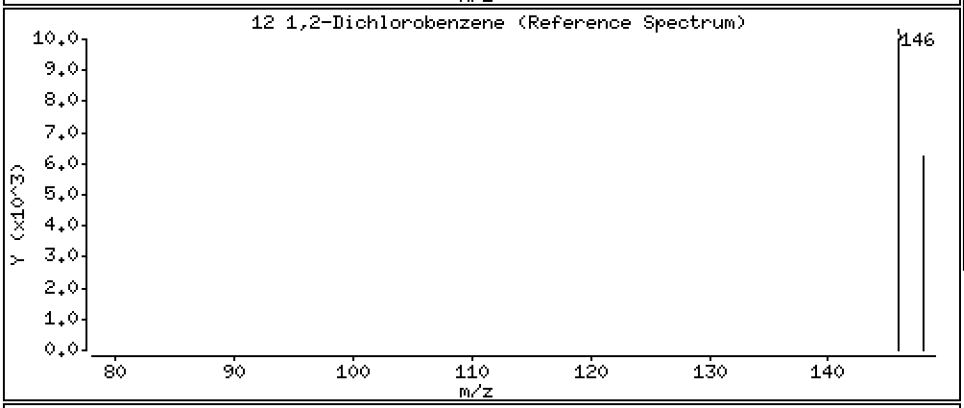
Concentration: 3.152 ug/mL

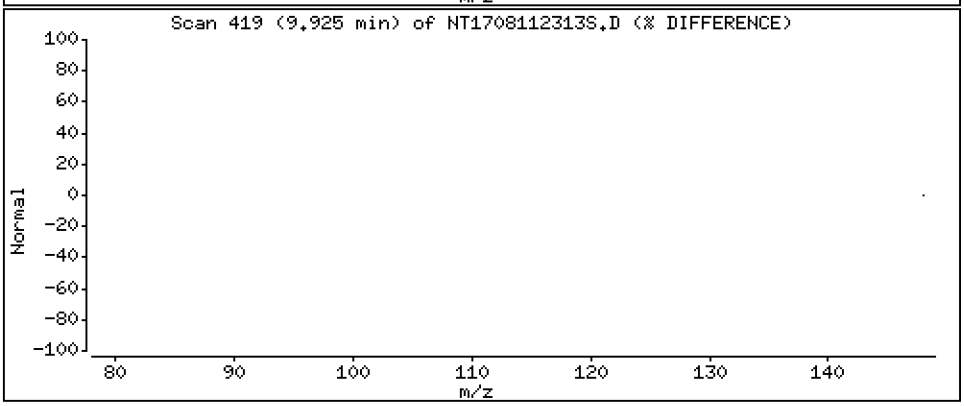












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

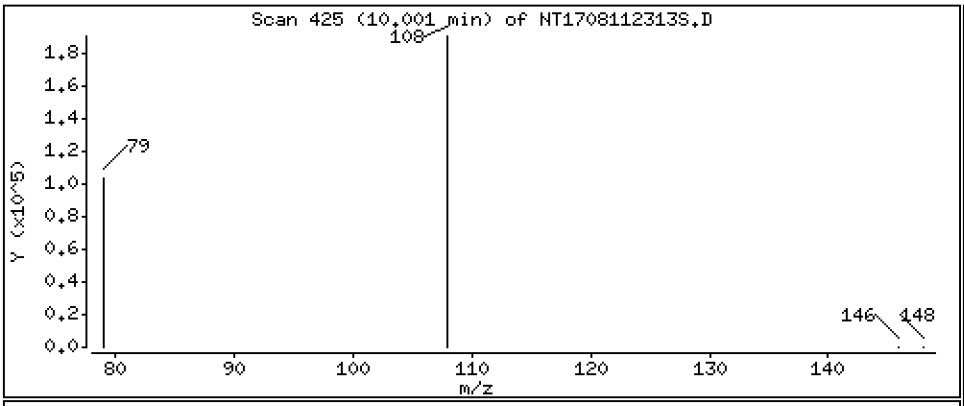
Operator: YZ

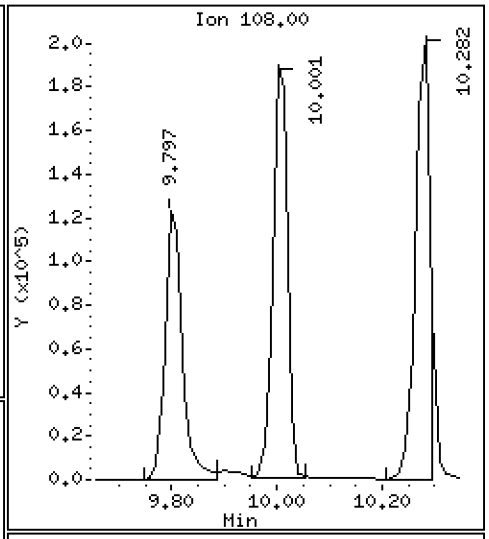
Column phase: ZB-5msi

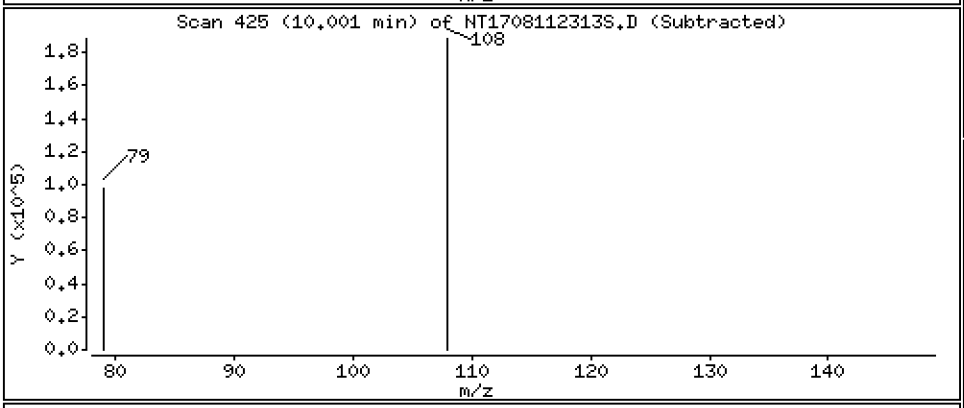
Column diameter: 0.25

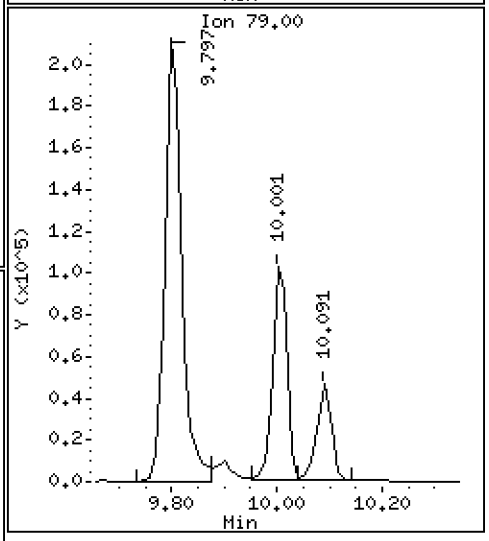
13 2-Methylphenol

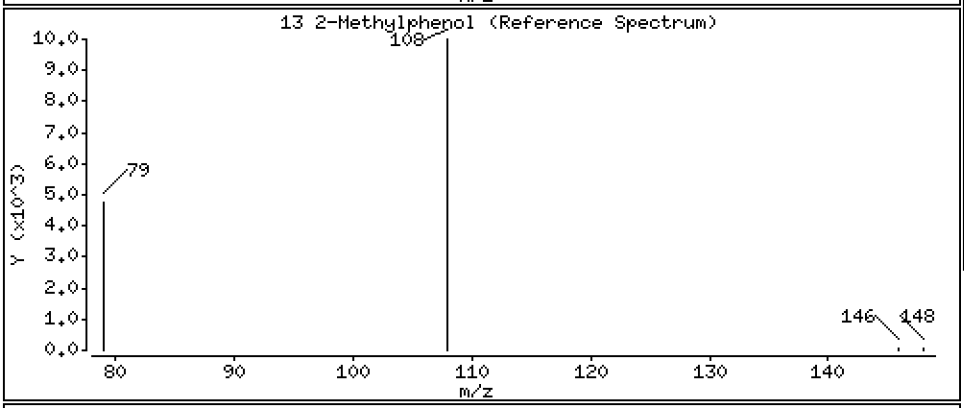
Concentration: 3.507 ug/mL

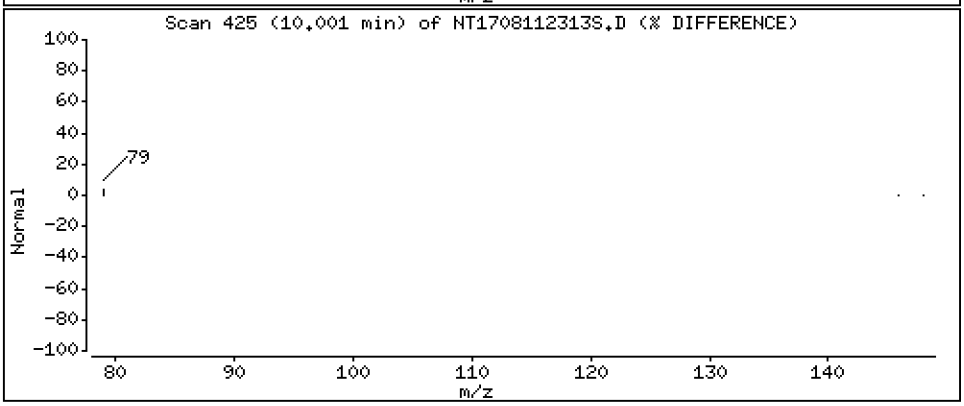












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

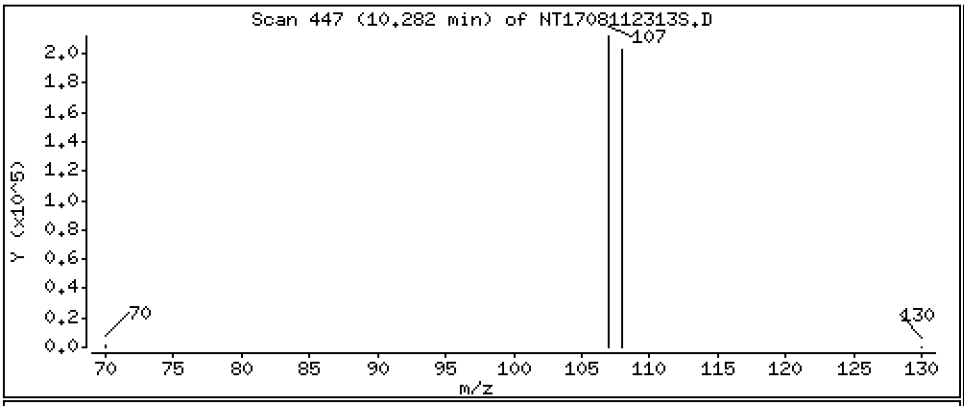
Operator: YZ

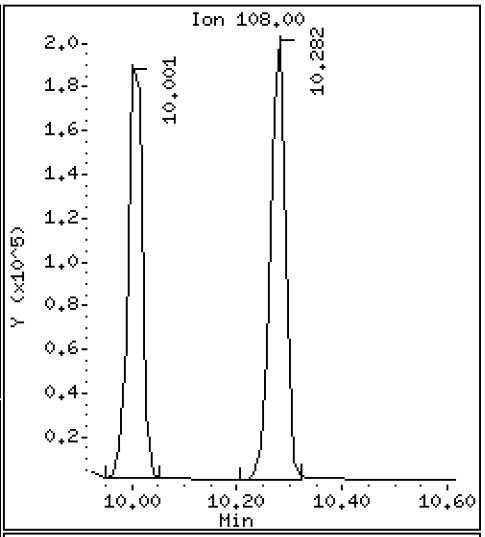
Column phase: ZB-5msi

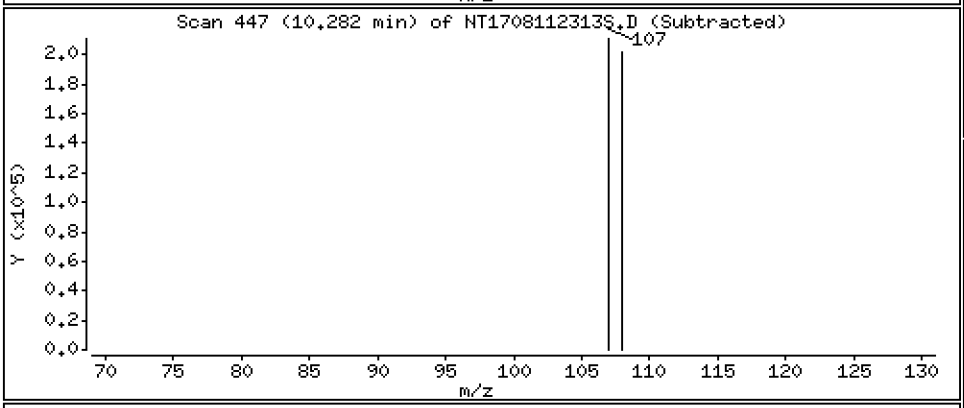
Column diameter: 0.25

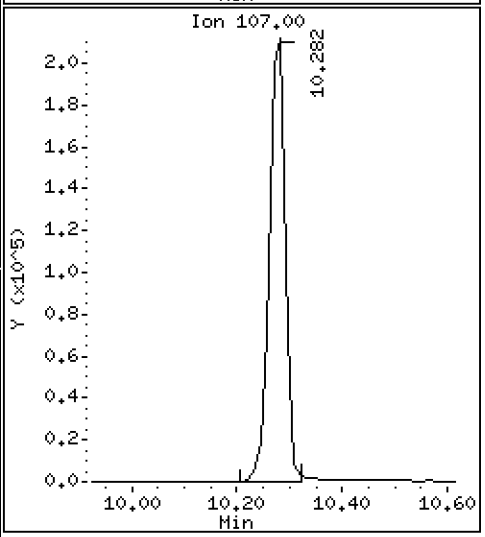
15 4-Methylphenol

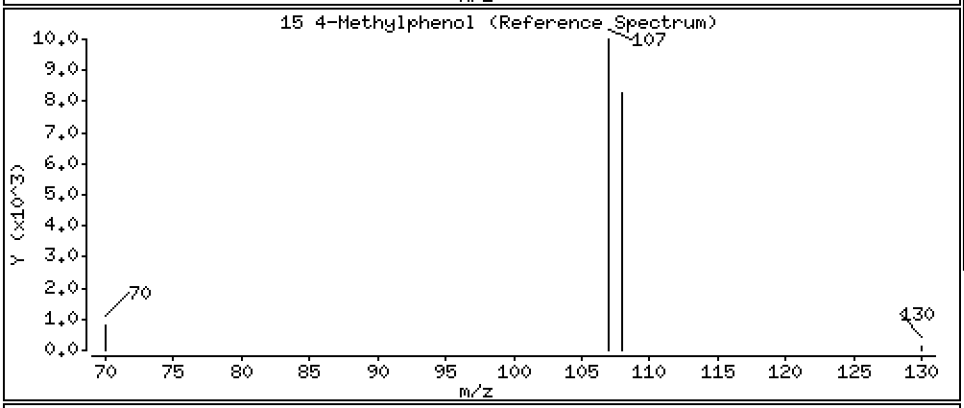
Concentration: 3.745 ug/mL

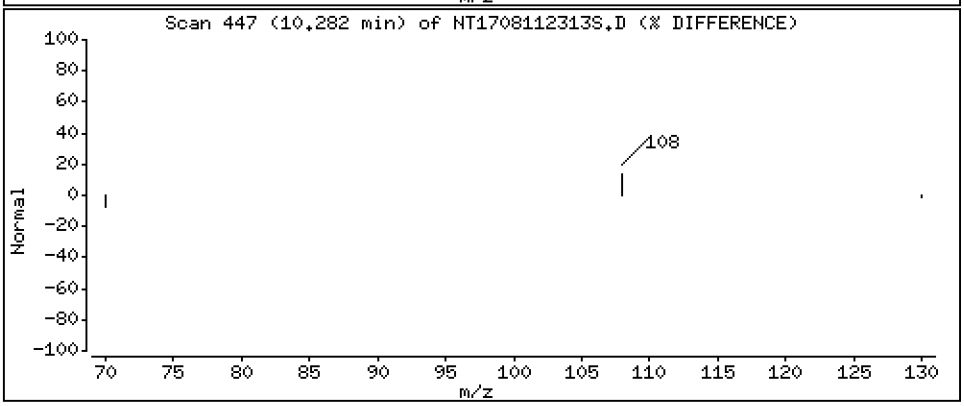












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

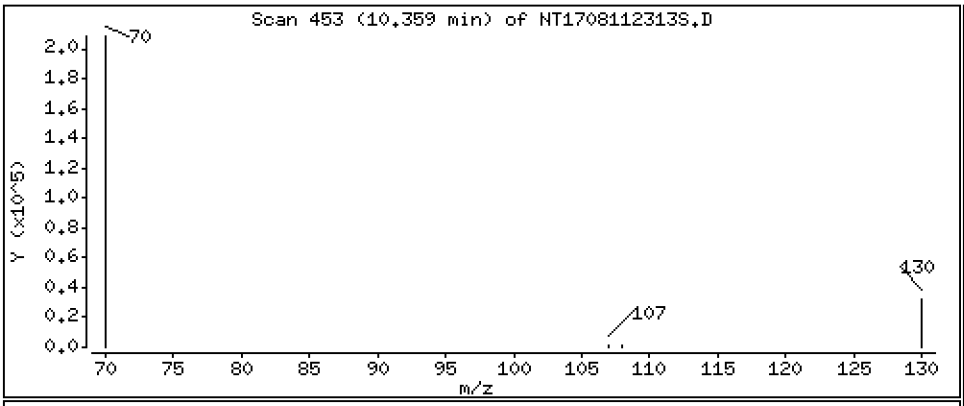
Operator: YZ

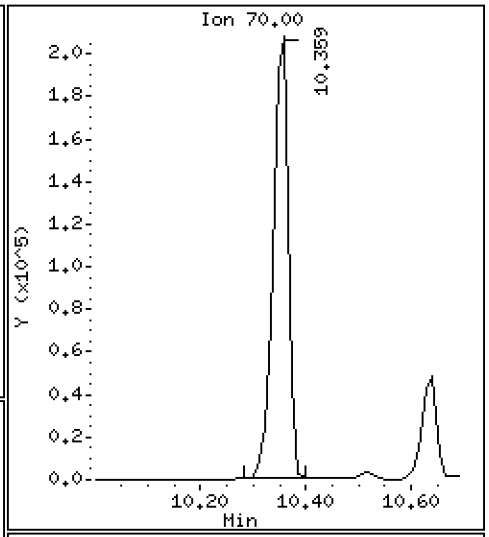
Column phase: ZB-5msi

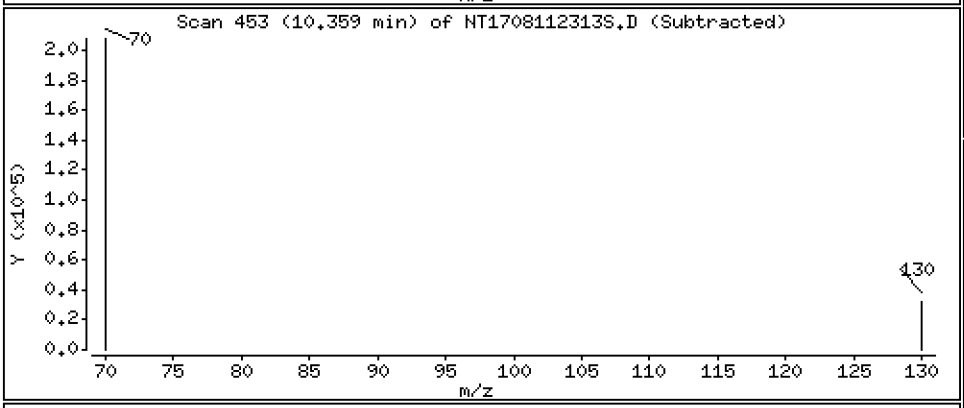
Column diameter: 0.25

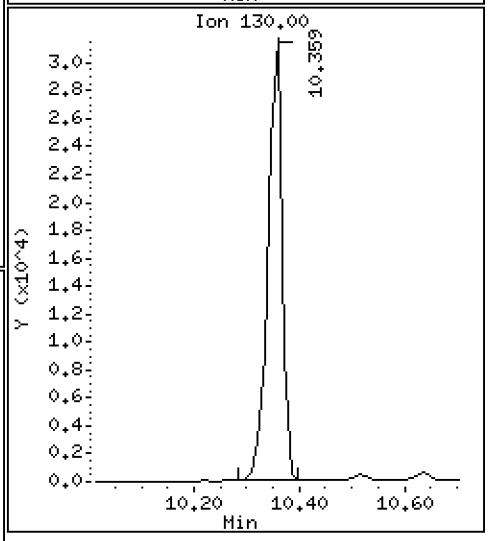
16 N-Nitroso-di-n-propylamine

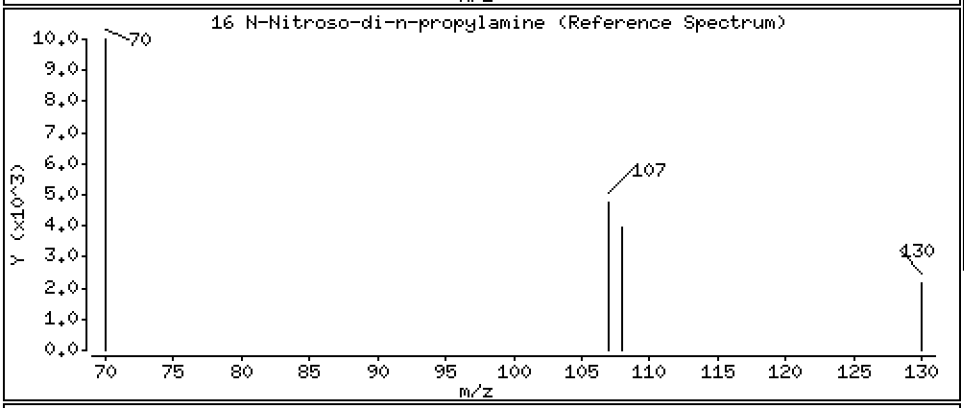
Concentration: 3.753 ug/mL

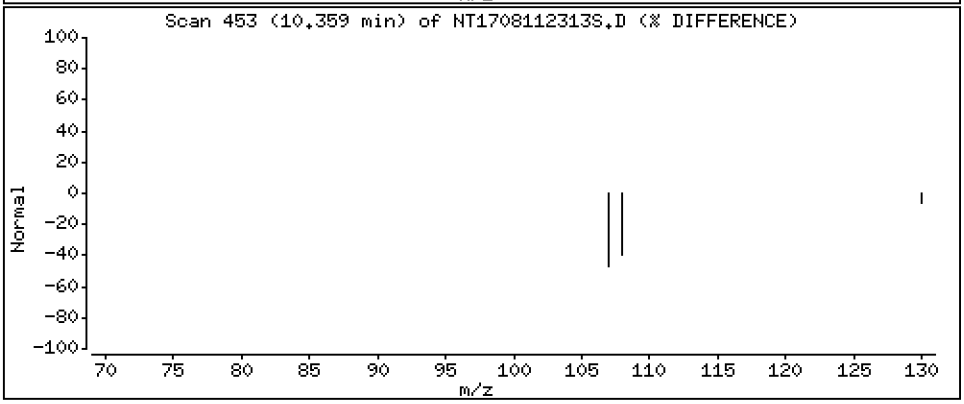












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

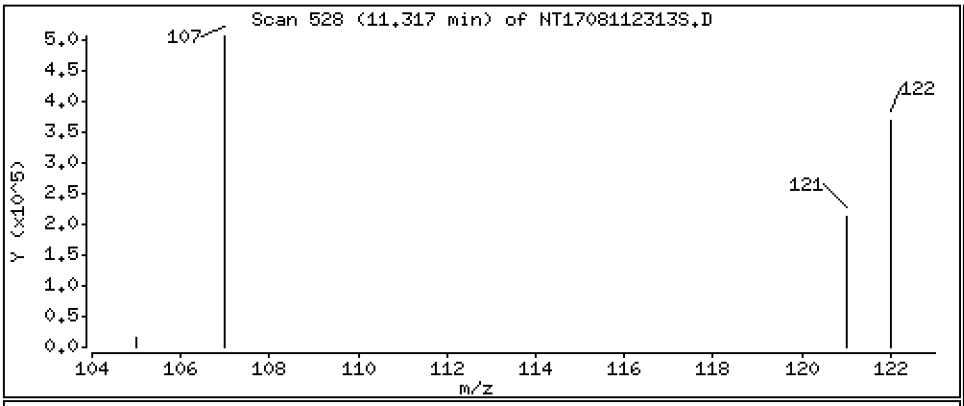
Operator: YZ

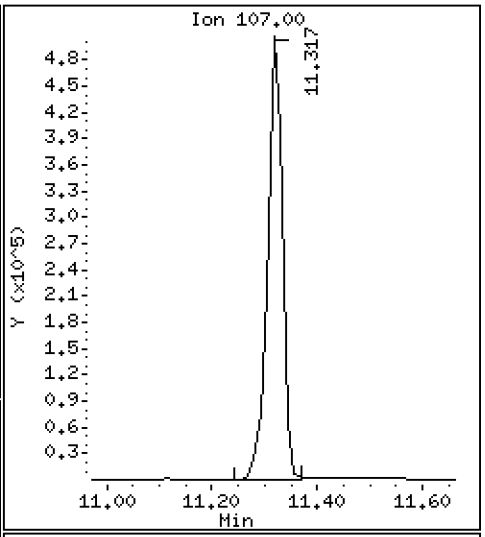
Column phase: ZB-5msi

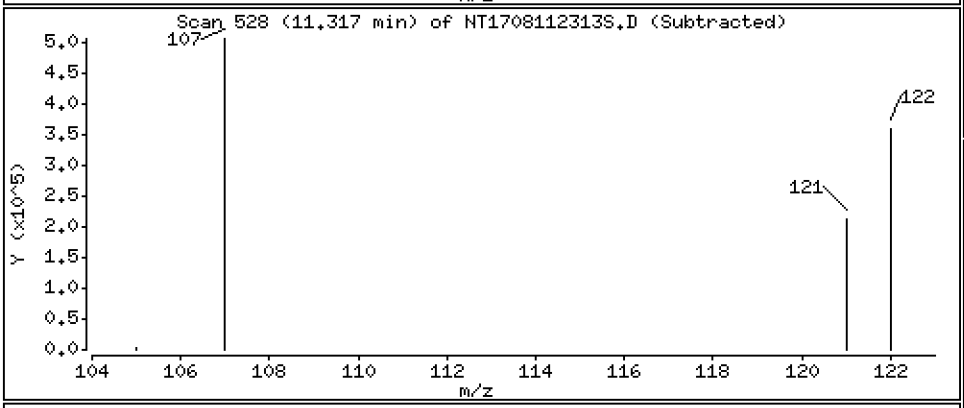
Column diameter: 0.25

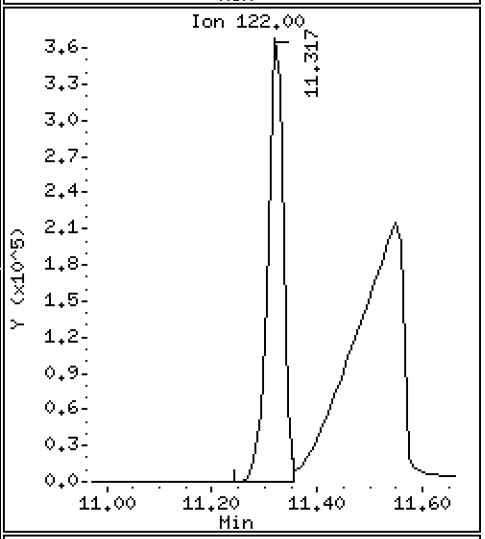
22 2,4-Dimethylphenol

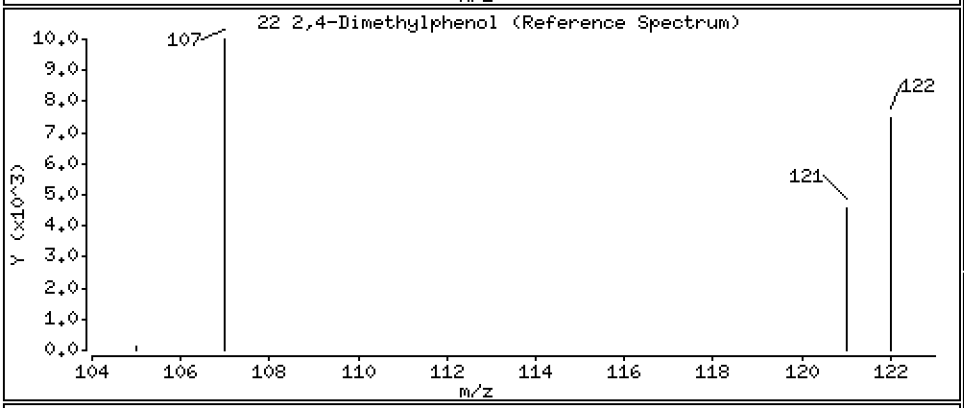
Concentration: 8.759 ug/mL

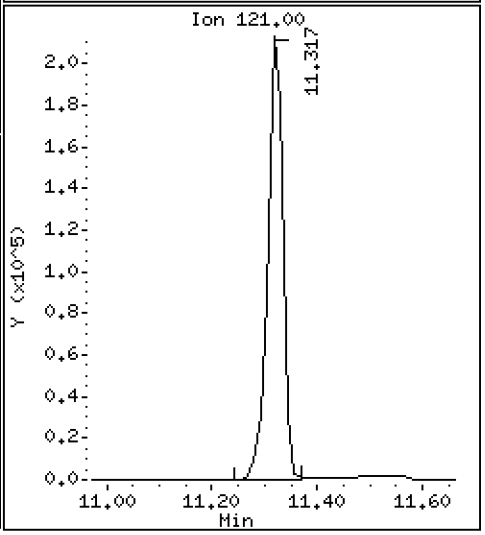


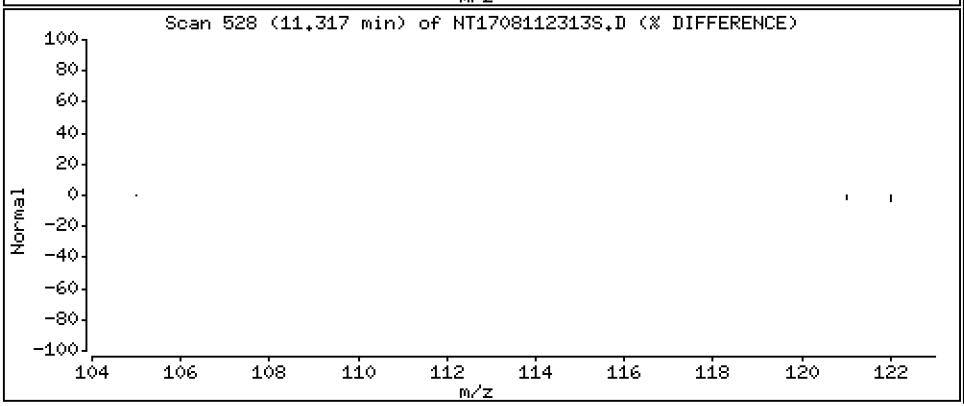












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

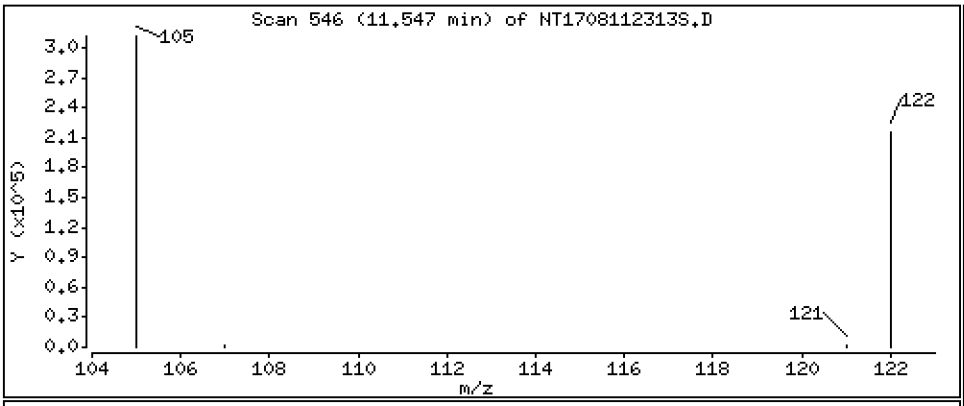
Operator: YZ

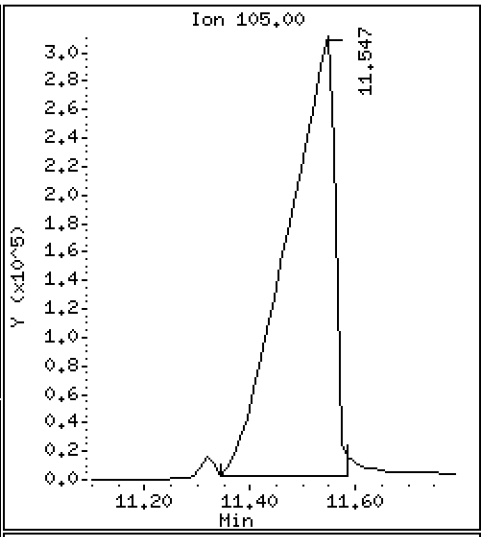
Column phase: ZB-5msi

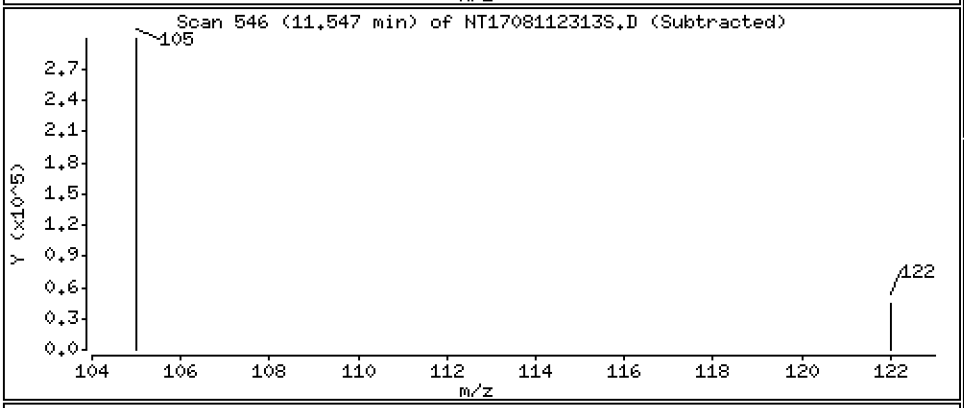
Column diameter: 0.25

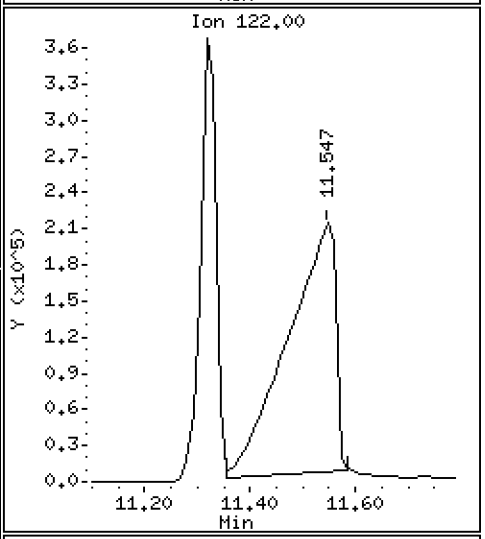
24 Benzoic acid

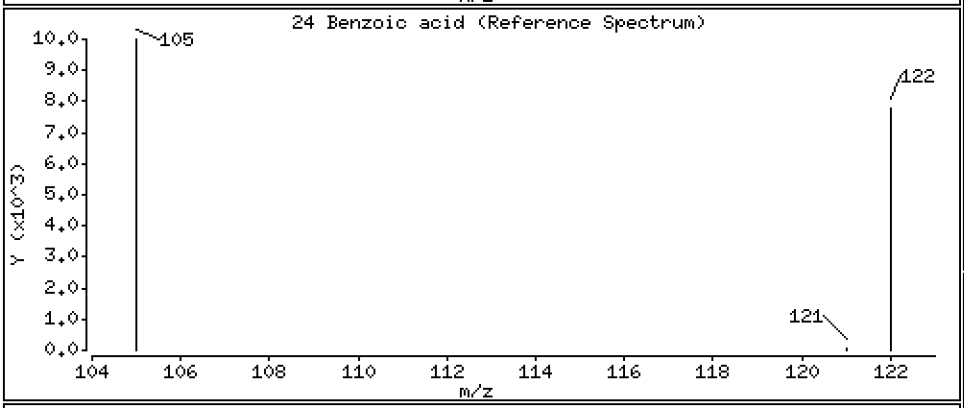
Concentration: 23.23 ug/mL

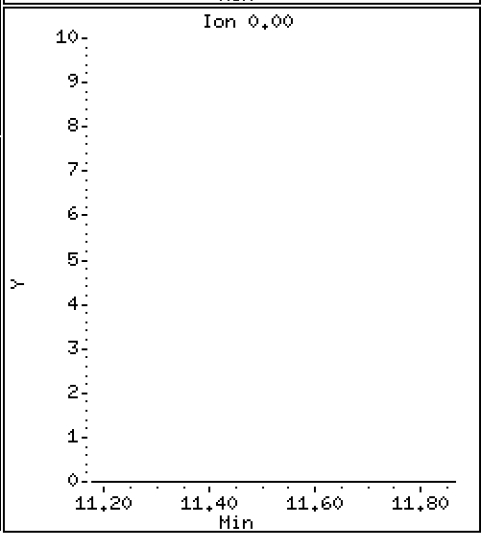


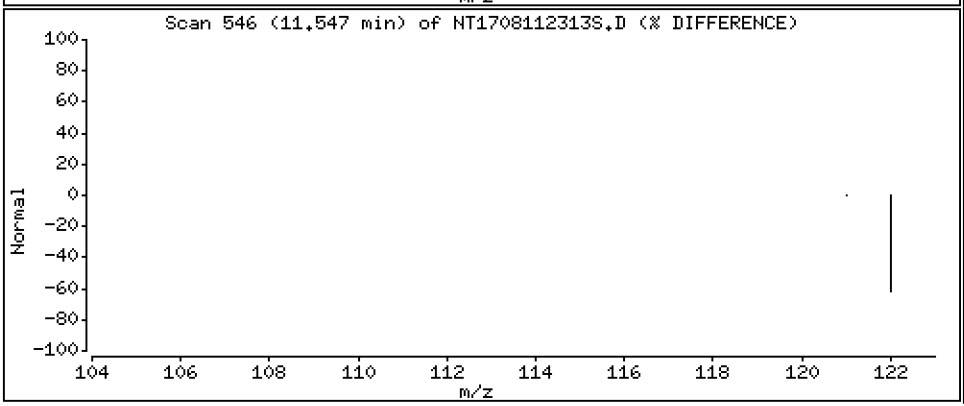












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

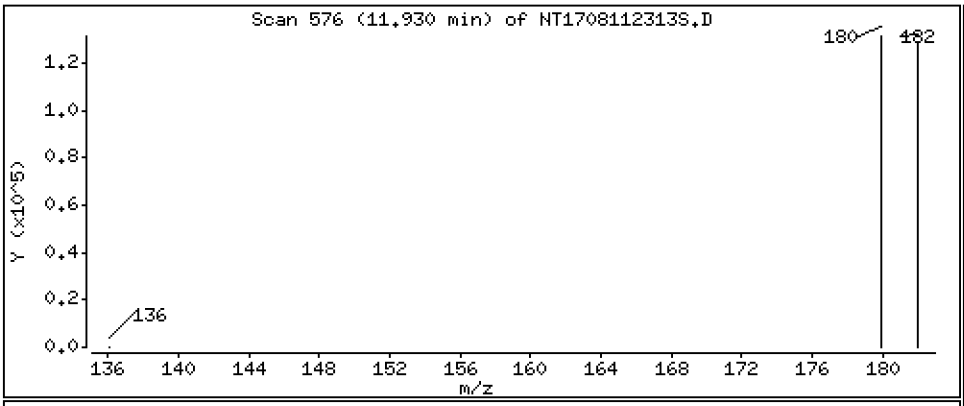
Operator: YZ

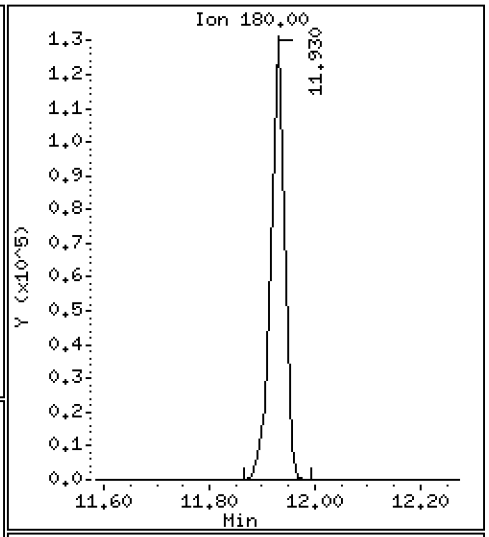
Column phase: ZB-5msi

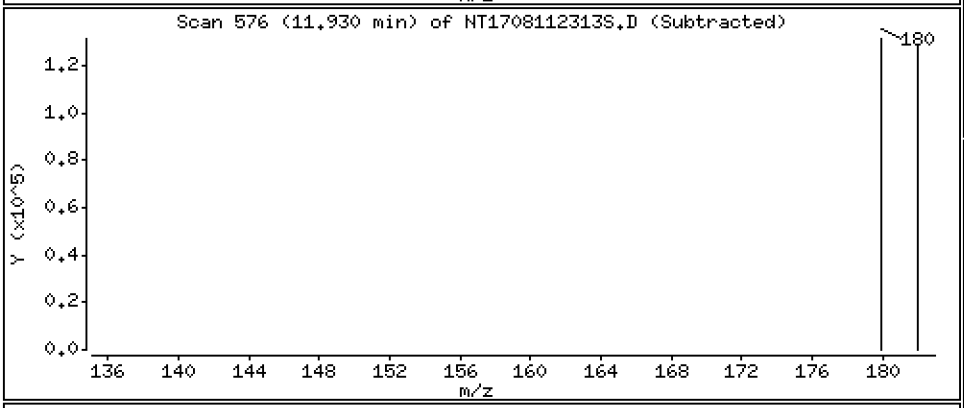
Column diameter: 0.25

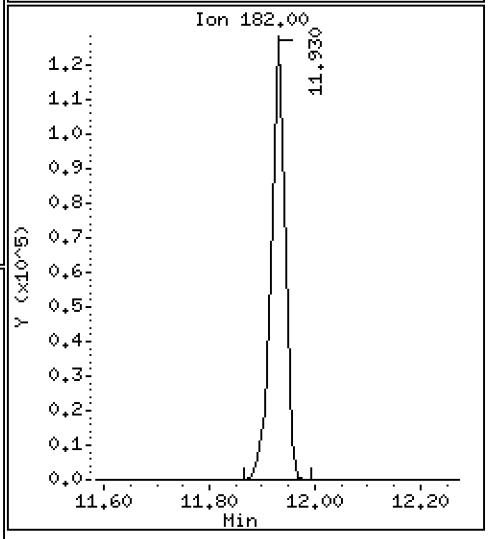
26 1,2,4-Trichlorobenzene

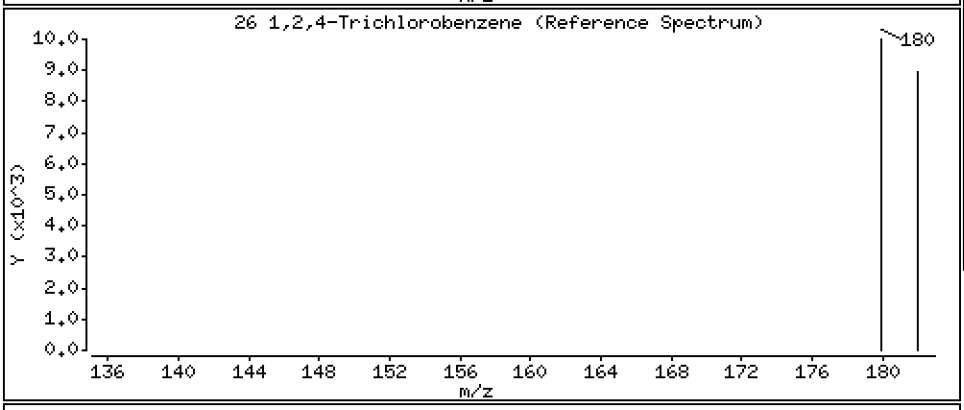
Concentration: 3.082 ug/mL

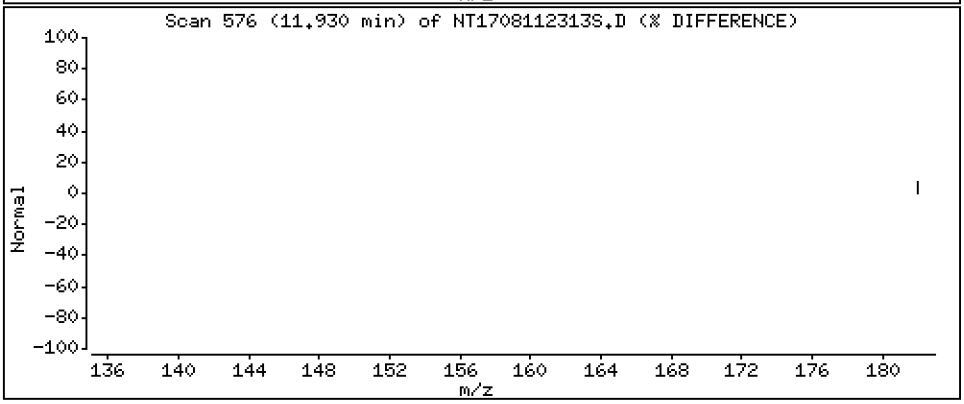












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

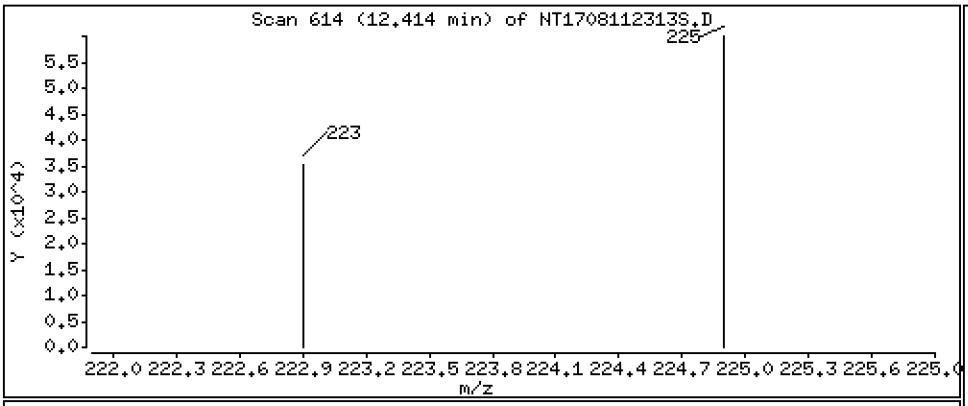
Operator: YZ

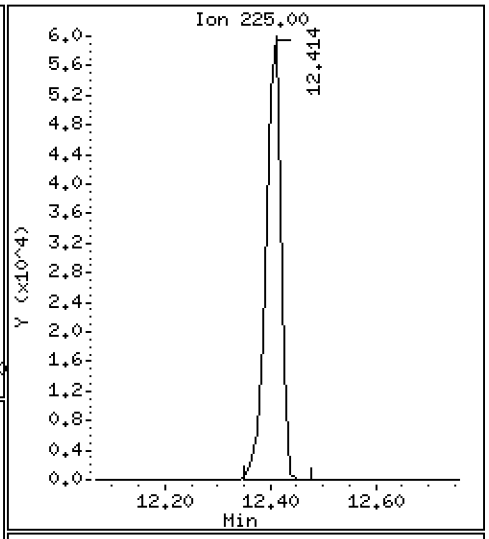
Column phase: ZB-5msi

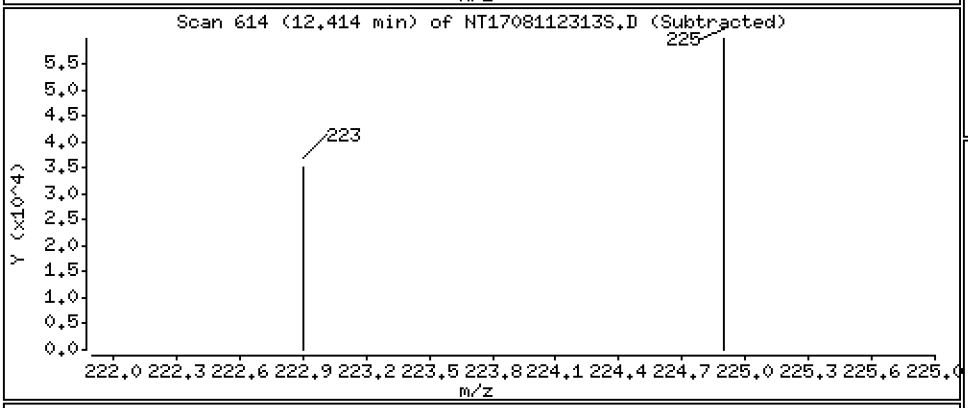
Column diameter: 0.25

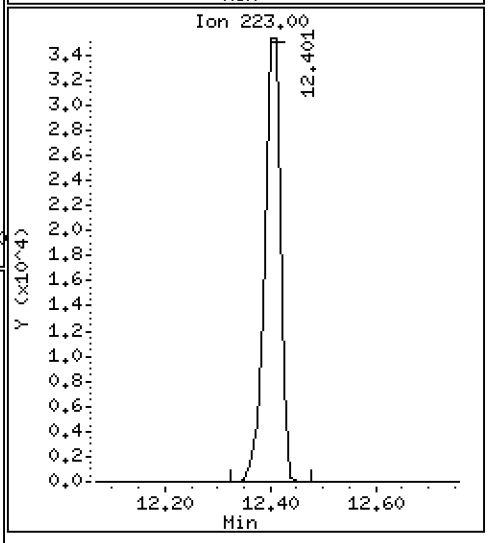
30 Hexachlorobutadiene

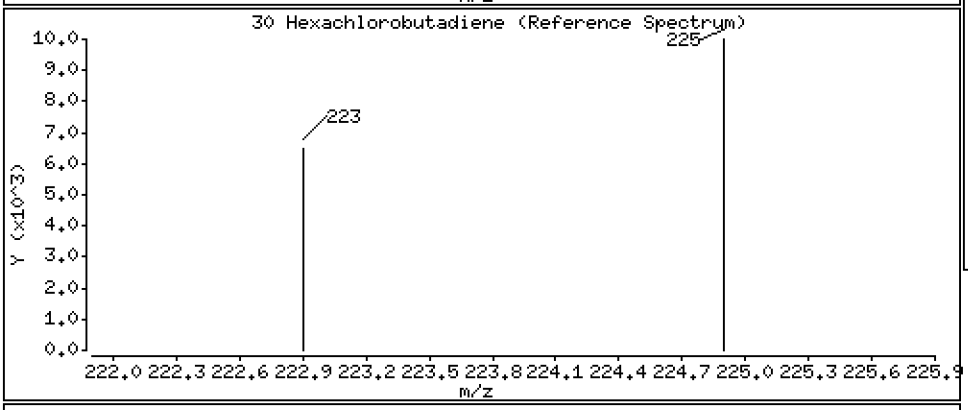
Concentration: 3.282 ug/mL

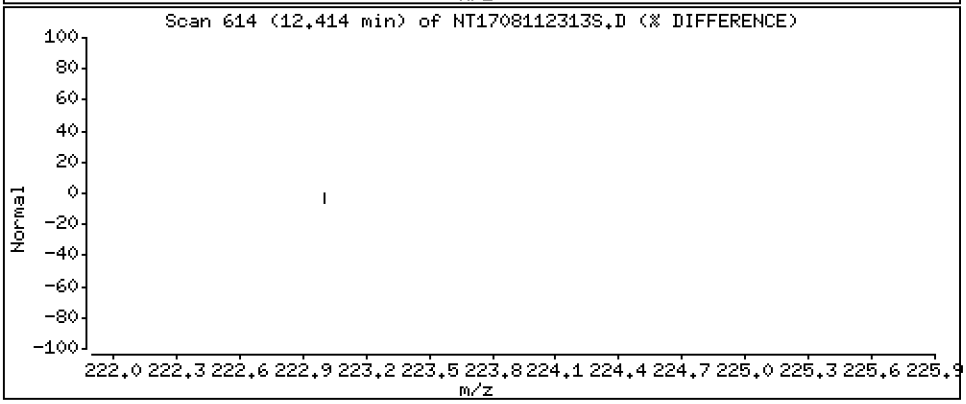












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

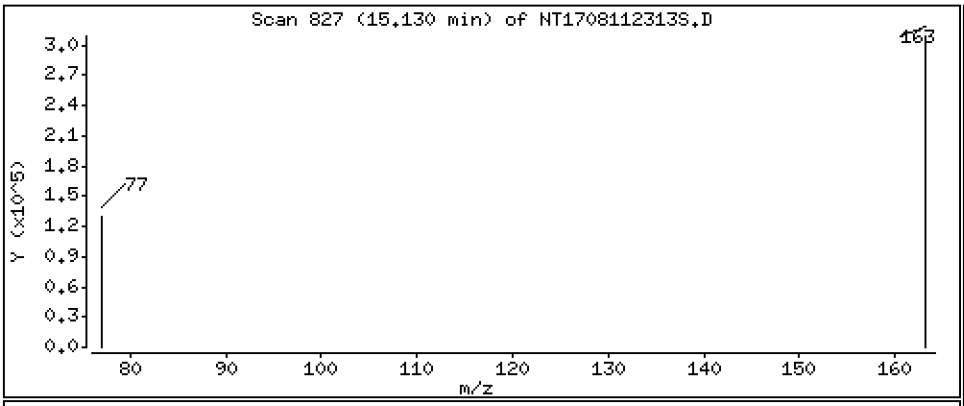
Operator: YZ

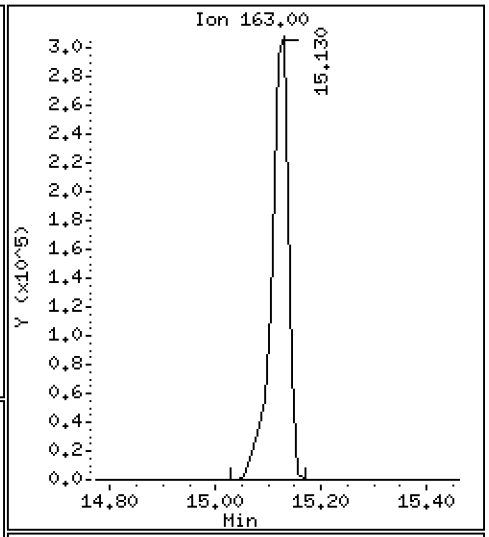
Column phase: ZB-5msi

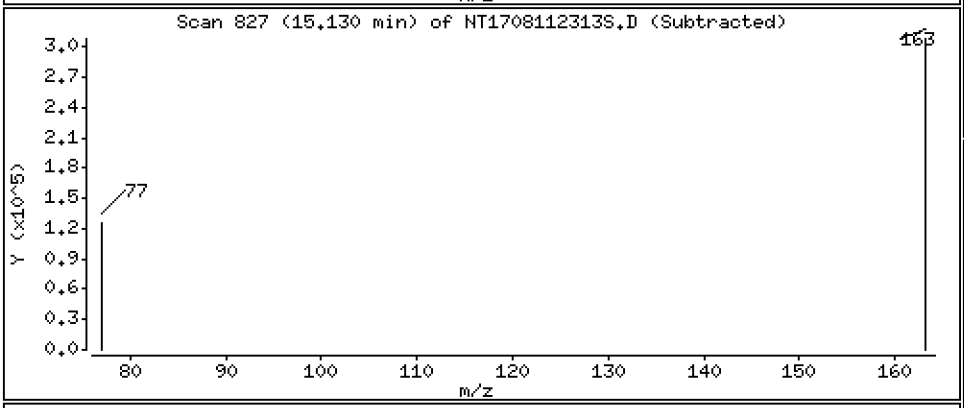
Column diameter: 0.25

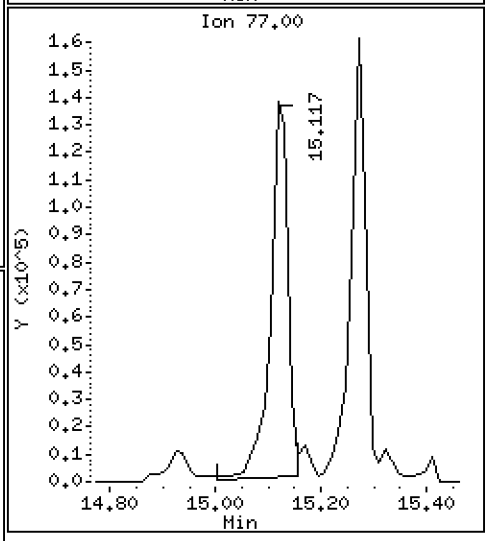
39 Dimethylphthalate

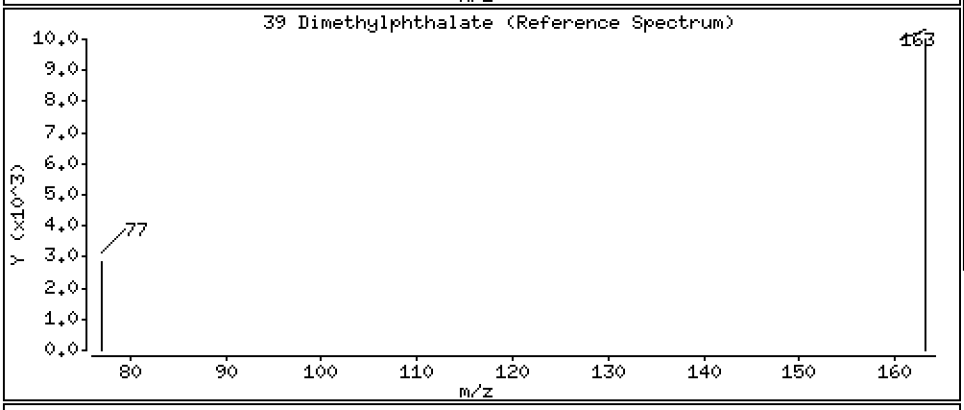
Concentration: 4.192 ug/mL

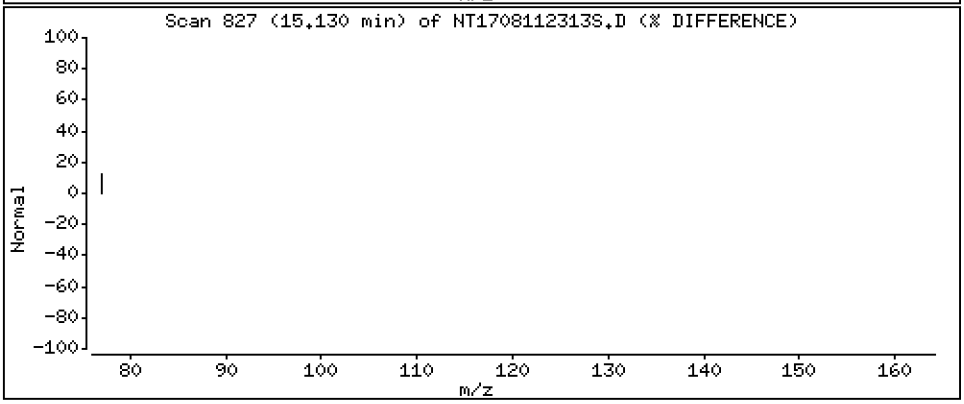












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112313S.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

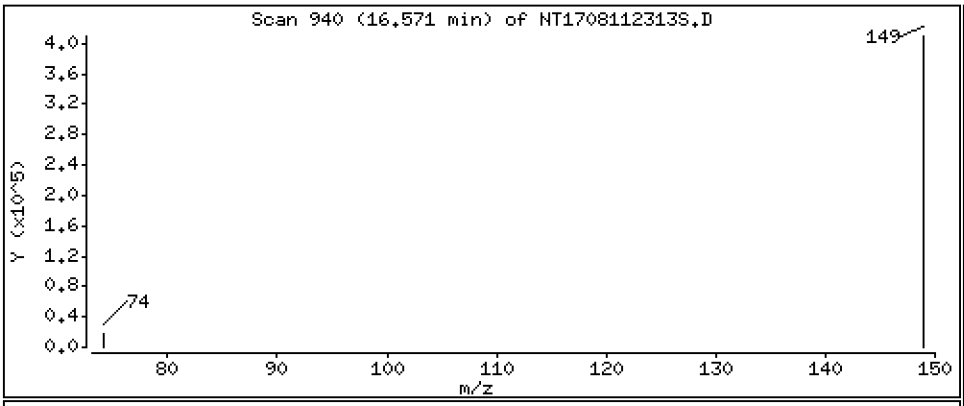
Operator: YZ

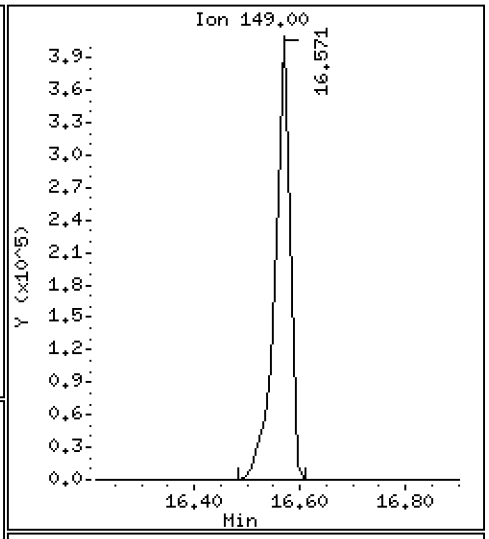
Column phase: ZB-5msi

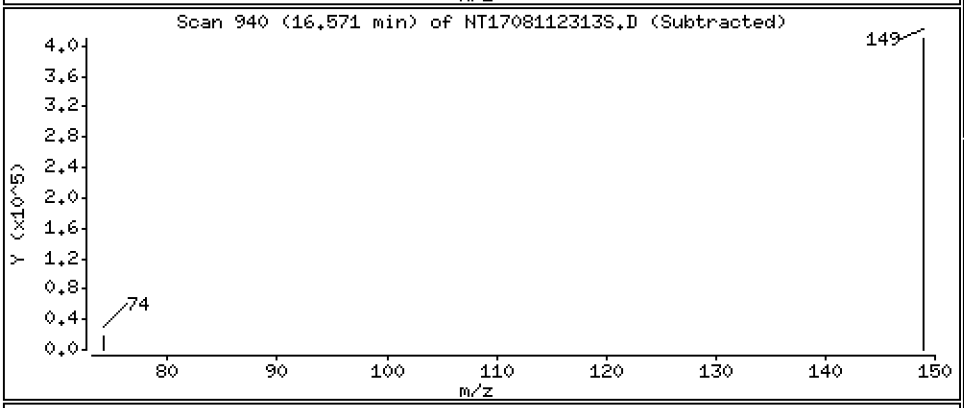
Column diameter: 0.25

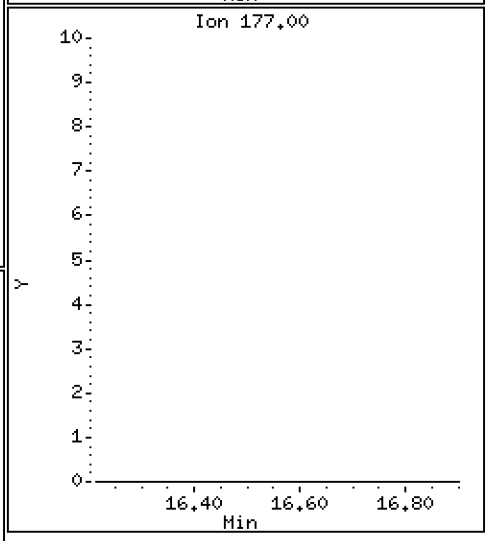
50 Diethylphthalate

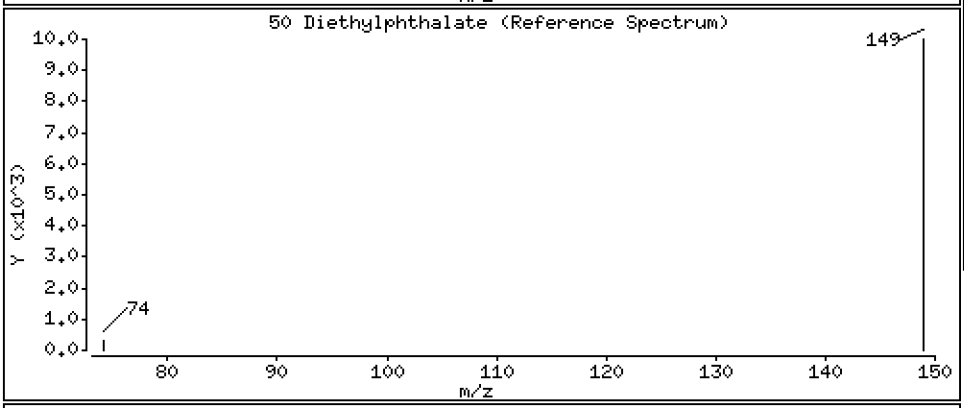
Concentration: 4.743 ug/mL

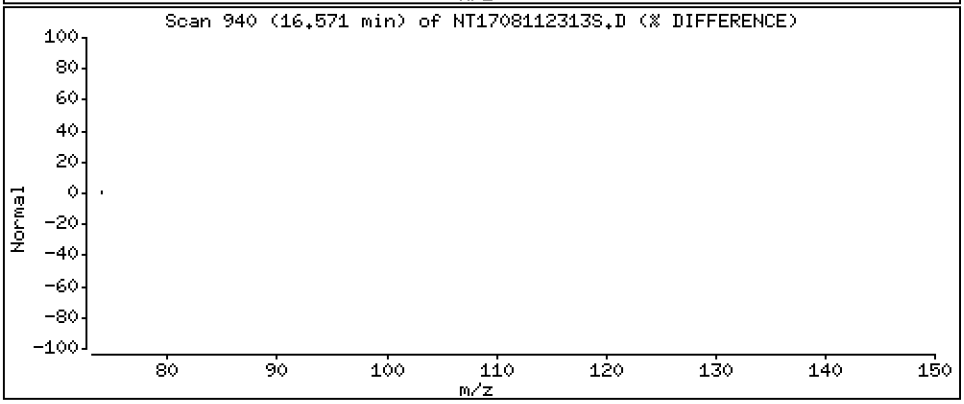












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112313S.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

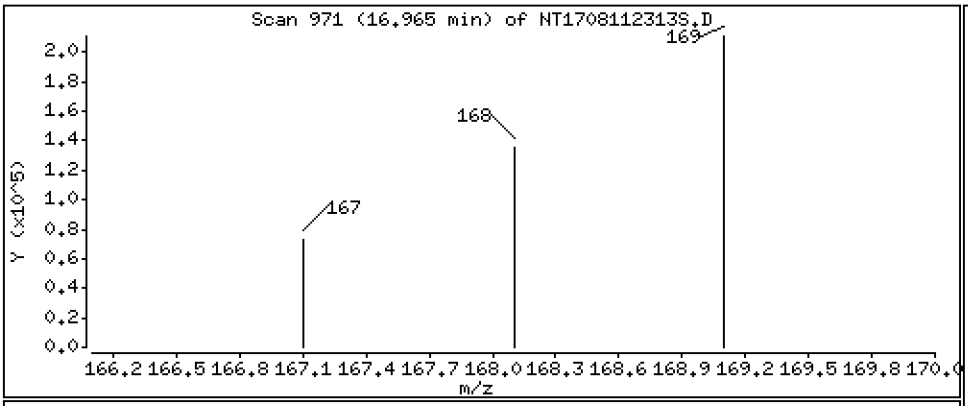
Operator: YZ

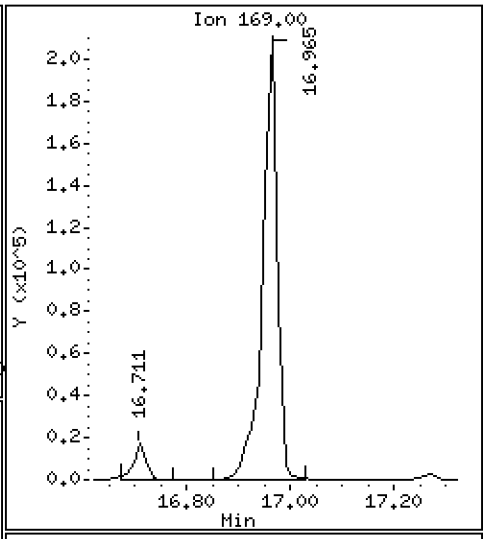
Column phase: ZB-5msi

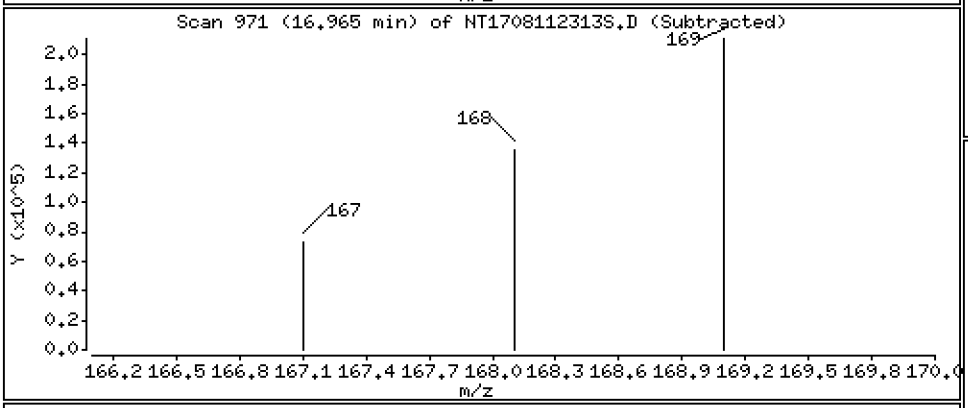
Column diameter: 0.25

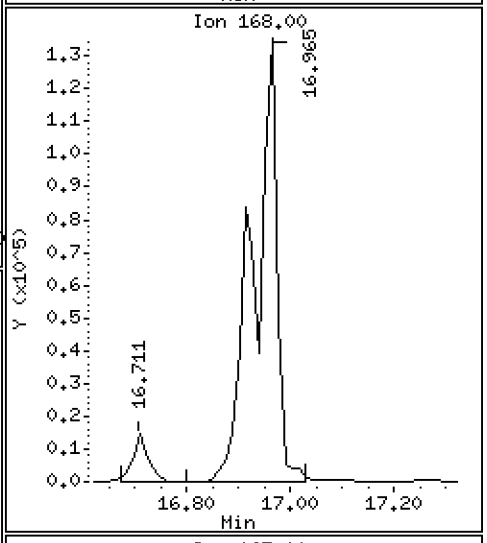
54 N-Nitrosodiphenylamine

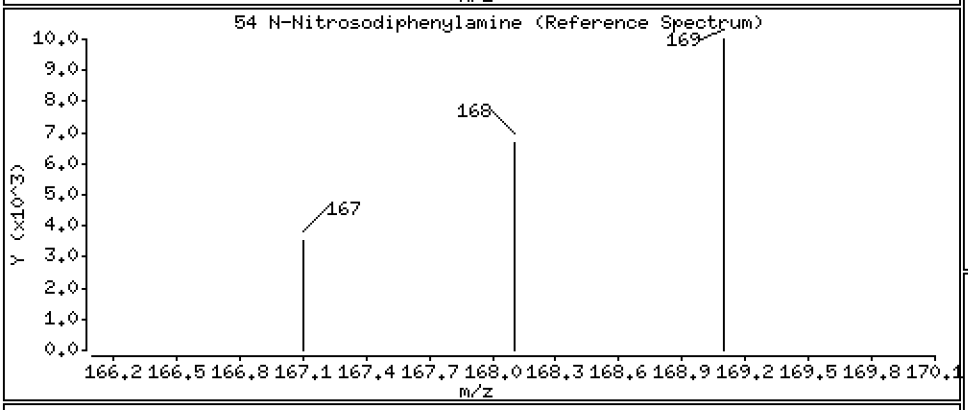
Concentration: 3.460 ug/mL

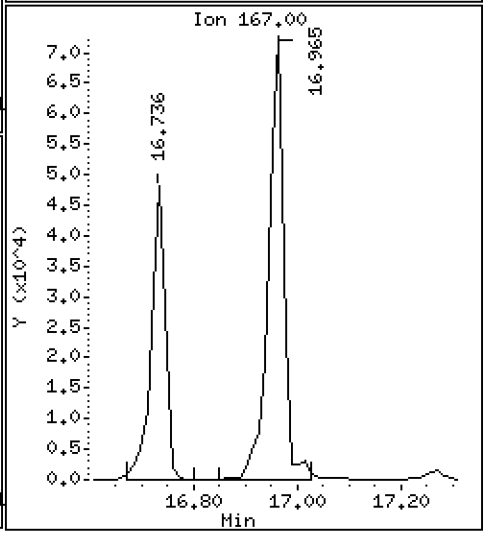


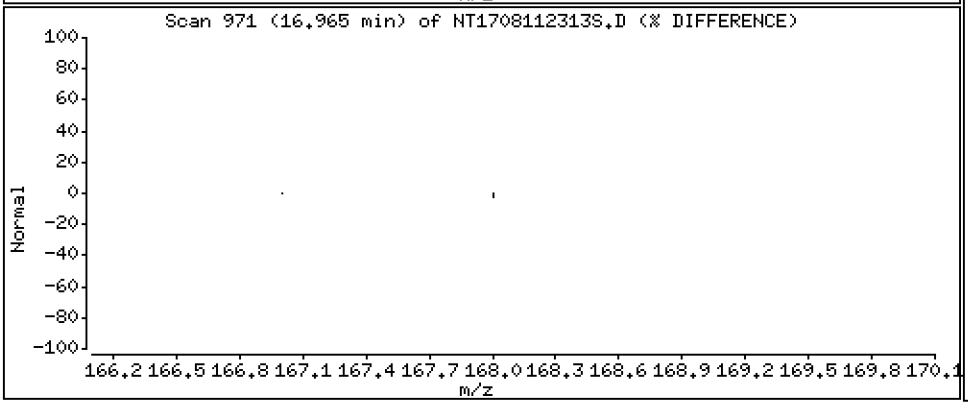












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112313S.D

Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

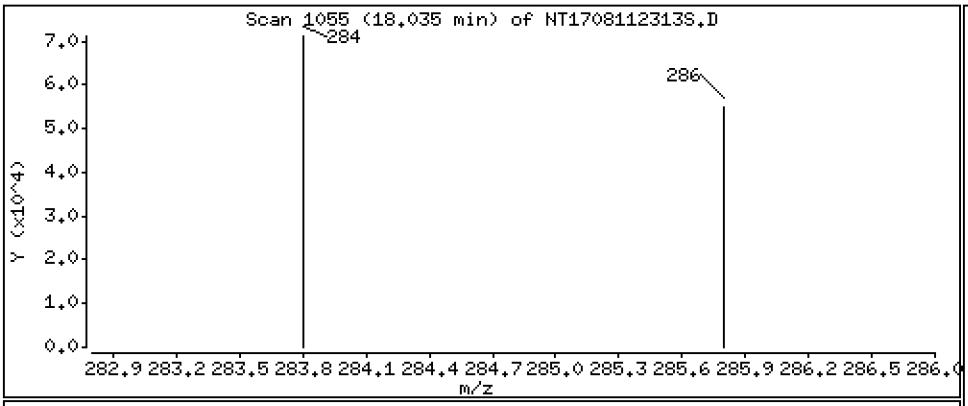
Operator: YZ

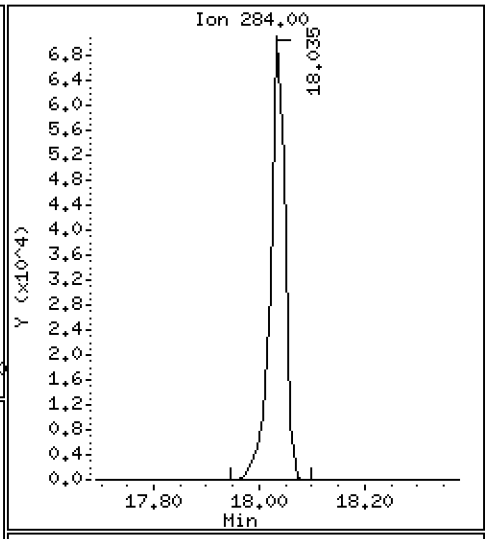
Column phase: ZB-5msi

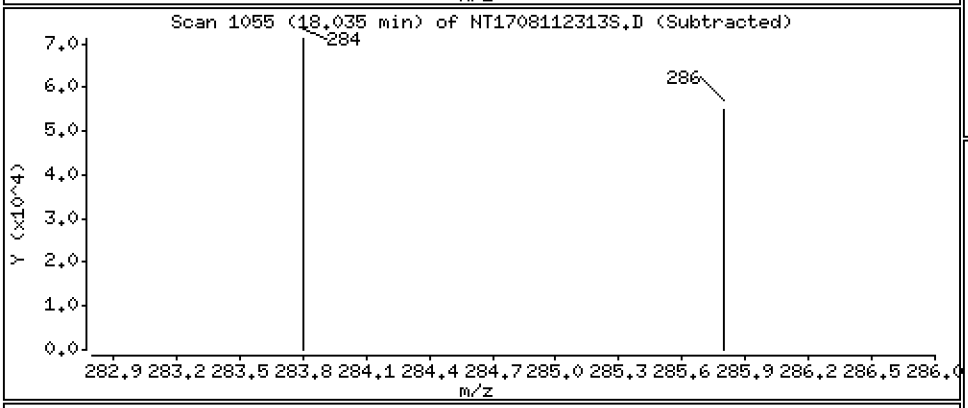
Column diameter: 0.25

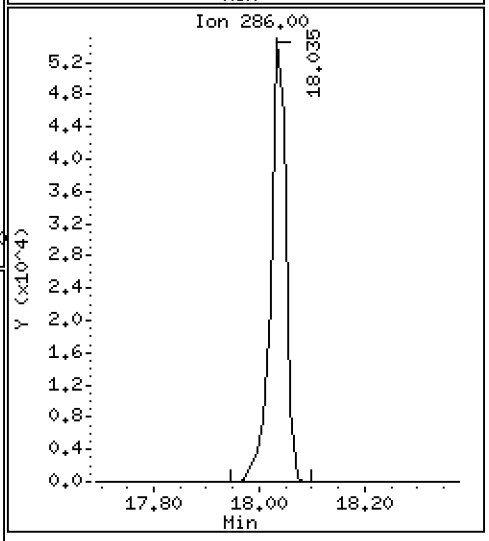
57 Hexachlorobenzene

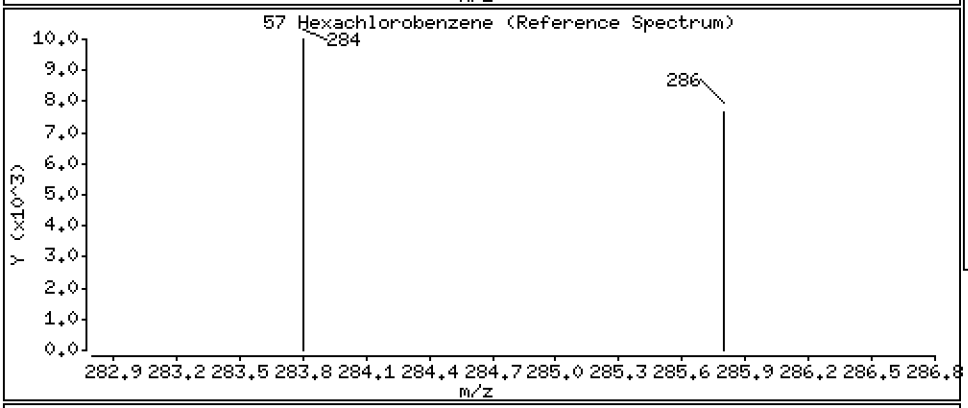
Concentration: 3.558 ug/mL

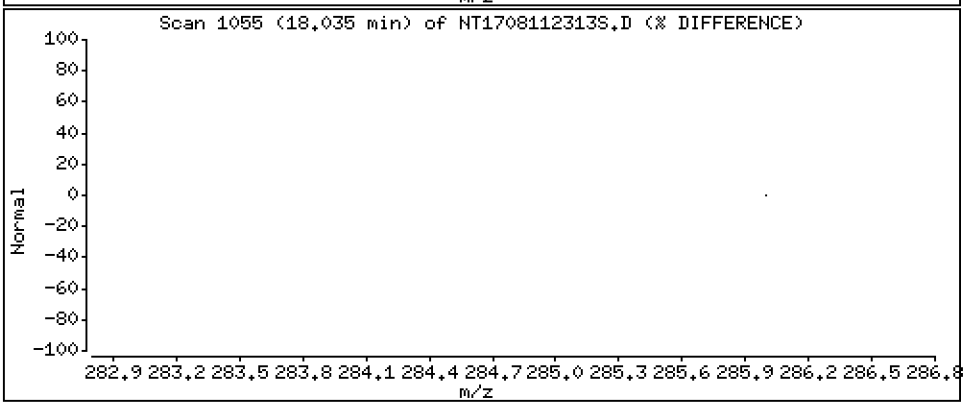












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

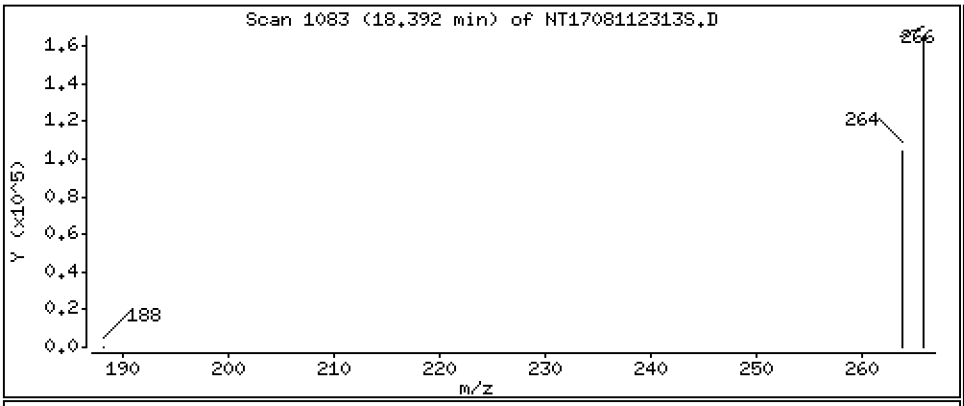
Operator: YZ

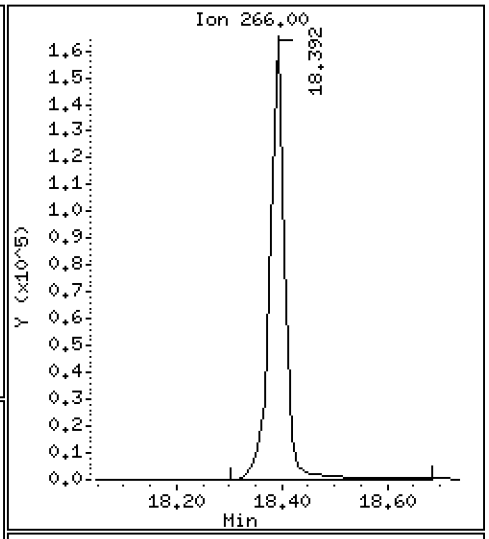
Column phase: ZB-5msi

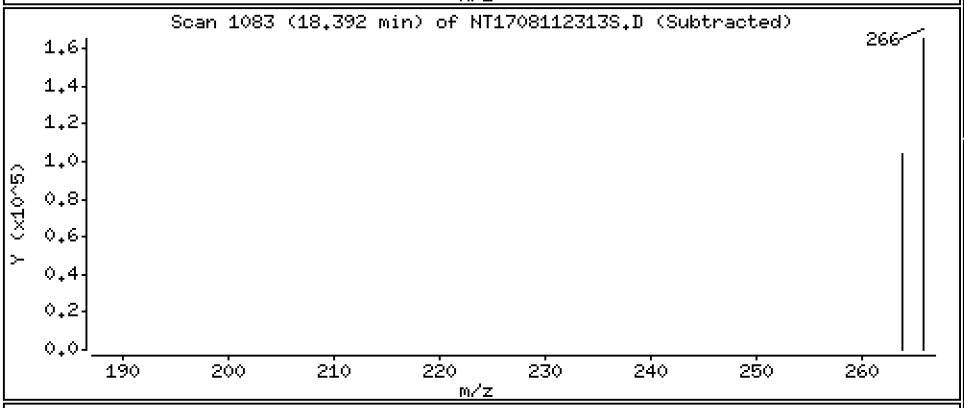
Column diameter: 0.25

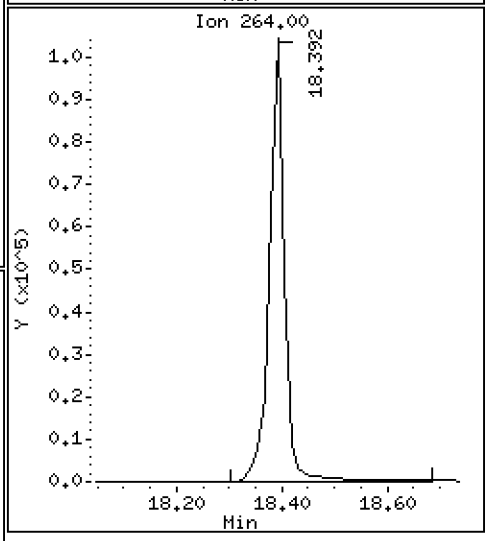
58 Pentachlorophenol

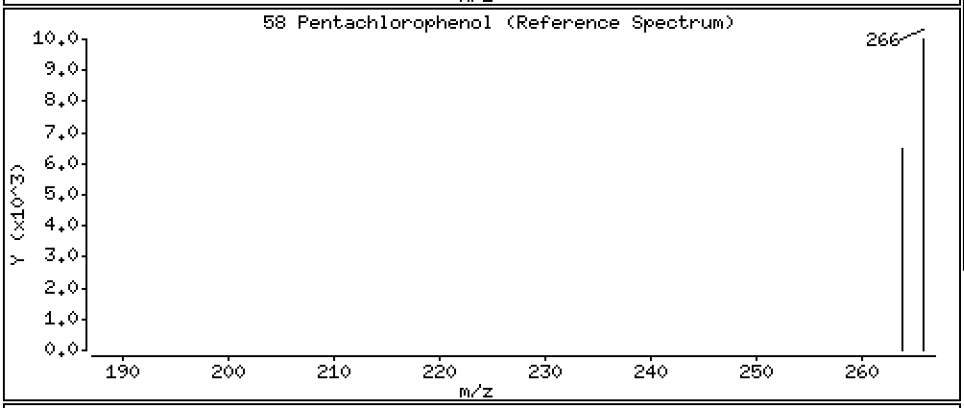
Concentration: 12.46 ug/mL

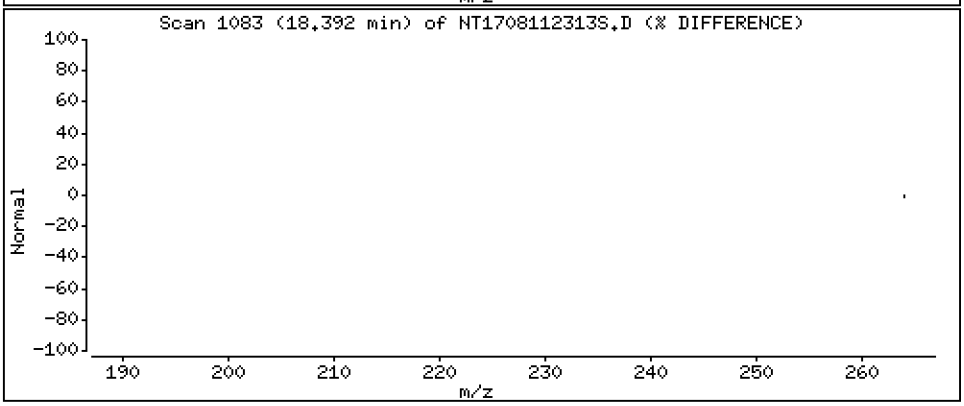












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

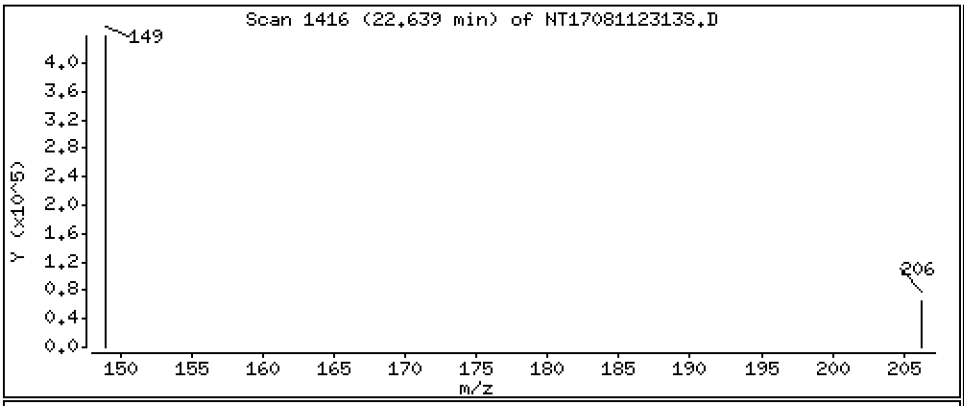
Operator: YZ

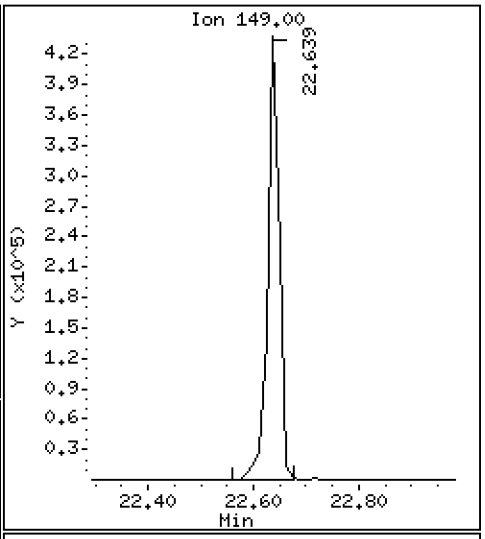
Column phase: ZB-5msi

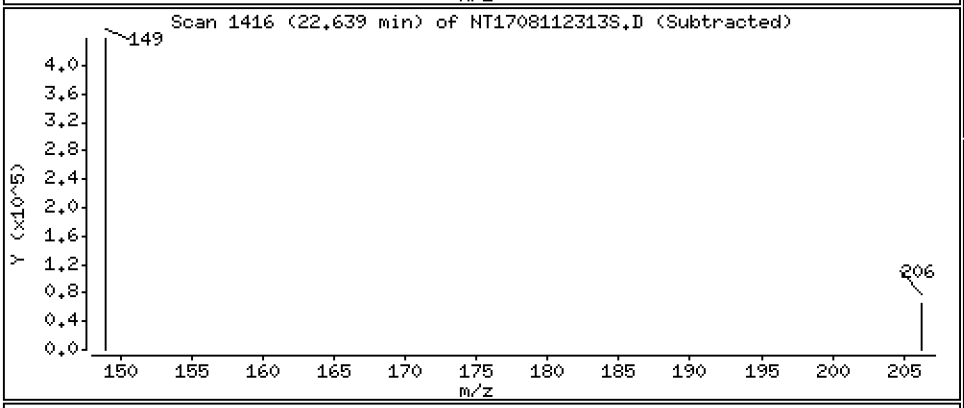
Column diameter: 0.25

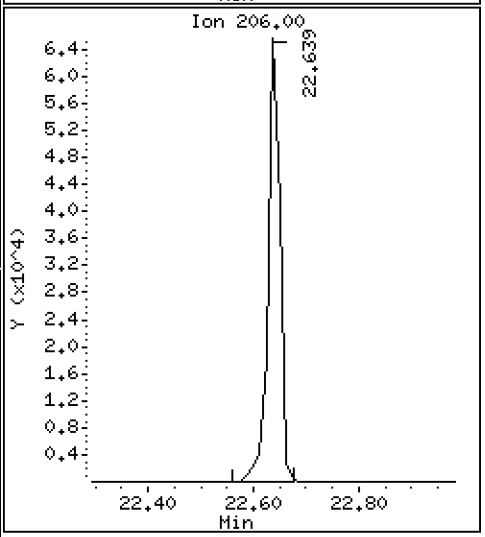
67 Butylbenzylphthalate

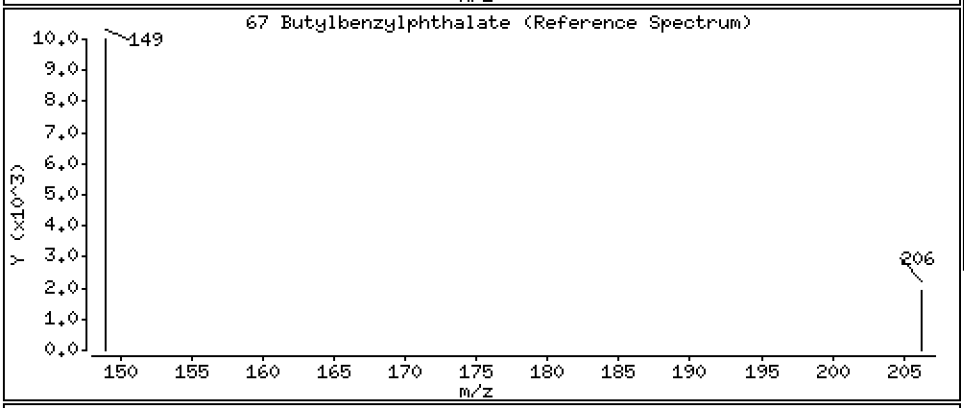
Concentration: 4.302 ug/mL

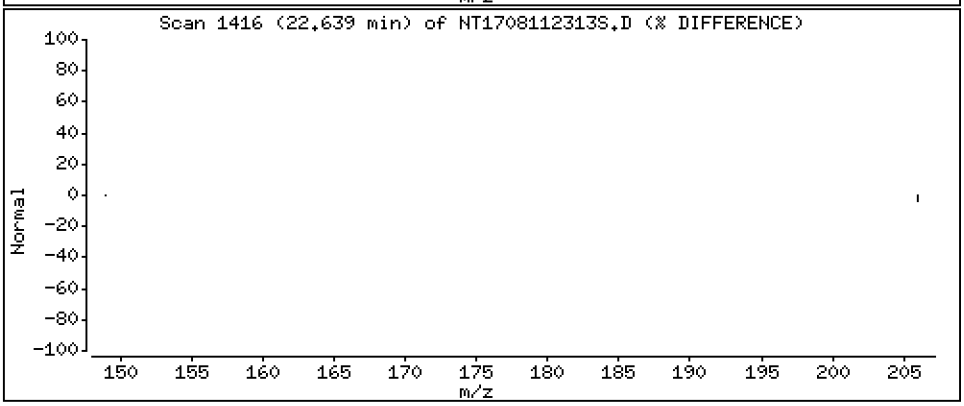












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

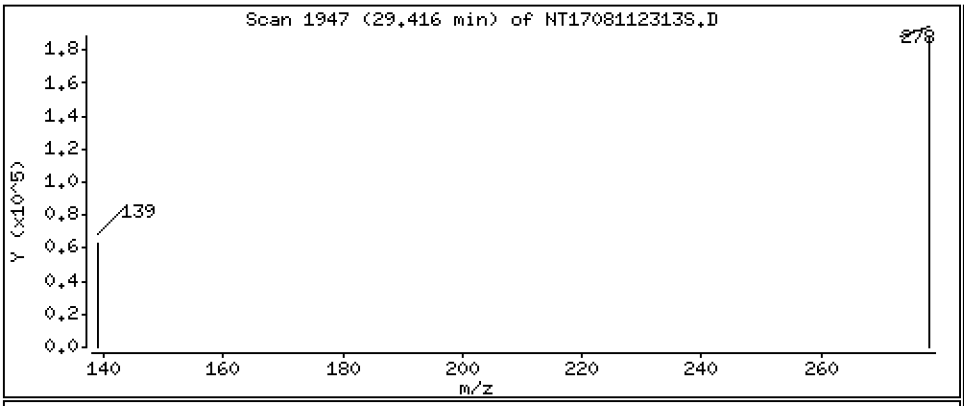
Operator: YZ

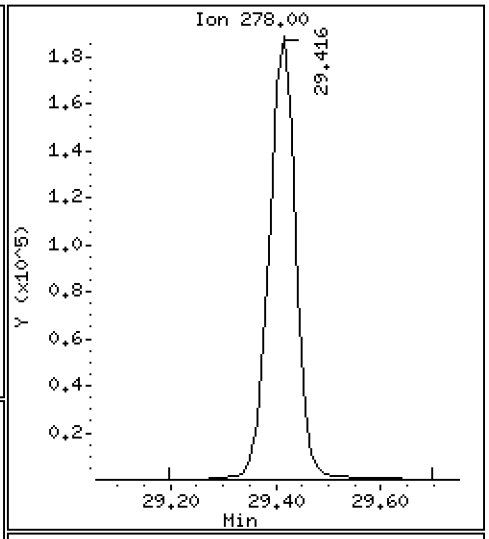
Column phase: ZB-5msi

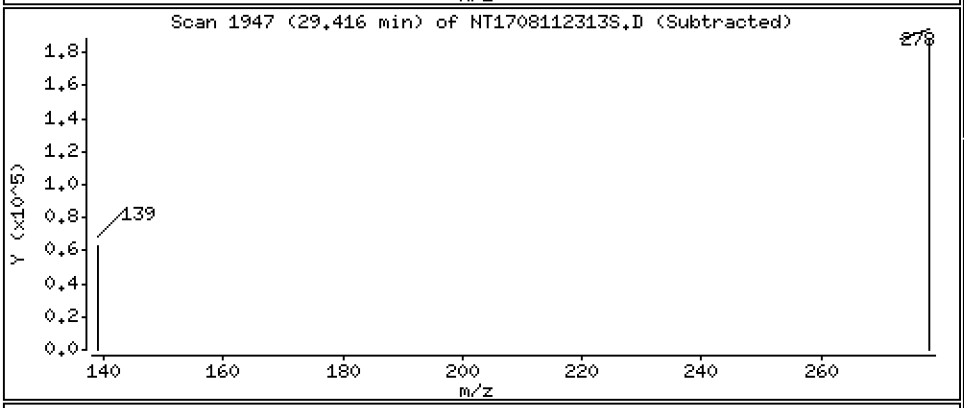
Column diameter: 0.25

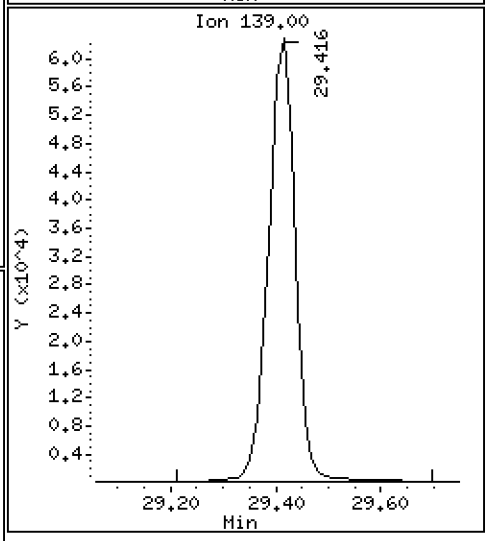
79 Dibenzo(a,h)anthracene

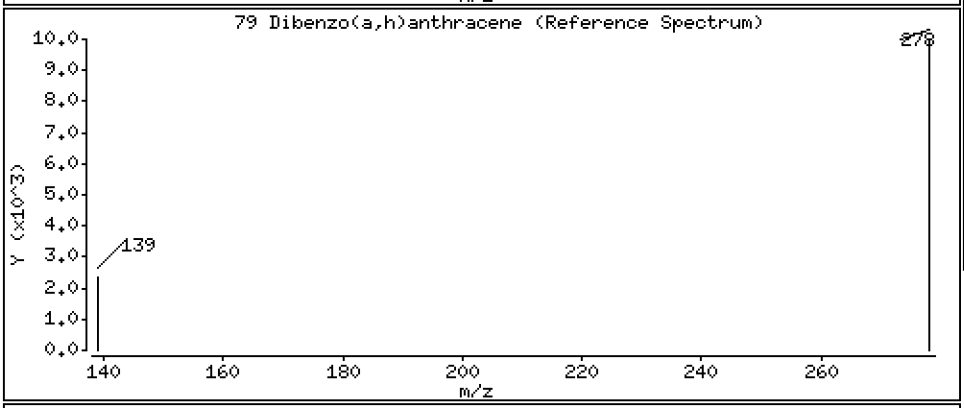
Concentration: 3.767 ug/mL

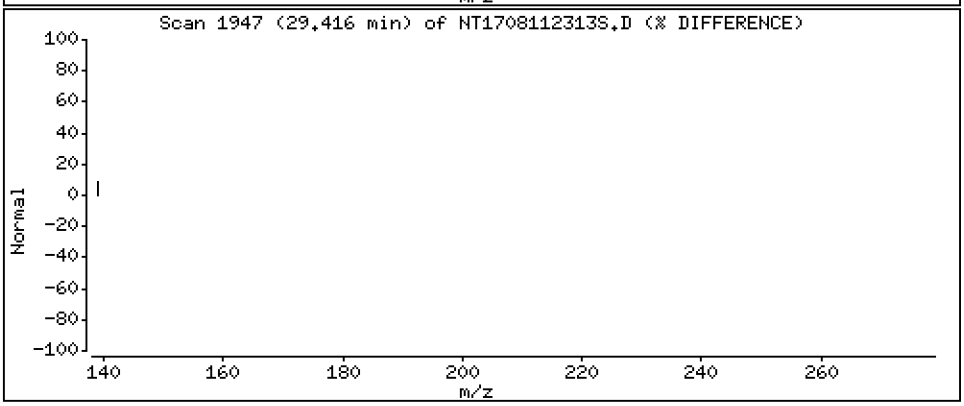












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Date : 11-AUG-2023 19:43

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BS1

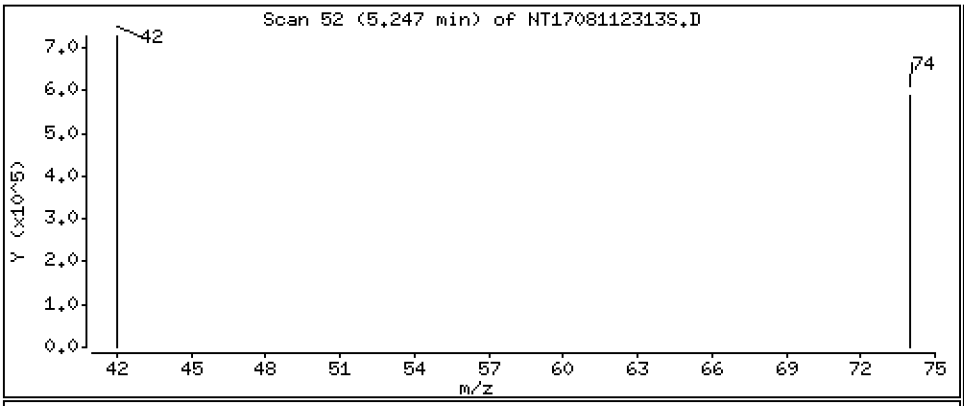
Operator: YZ

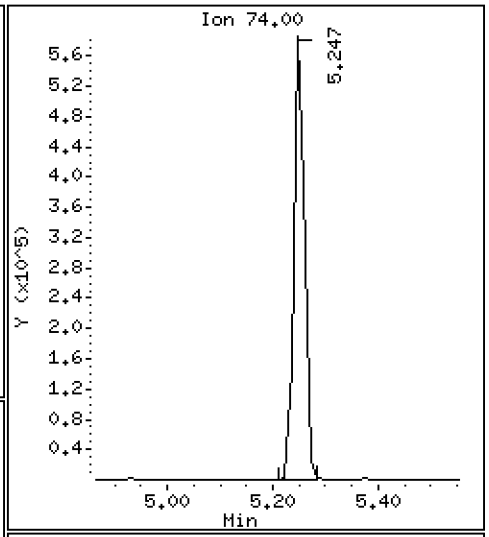
Column phase: ZB-5msi

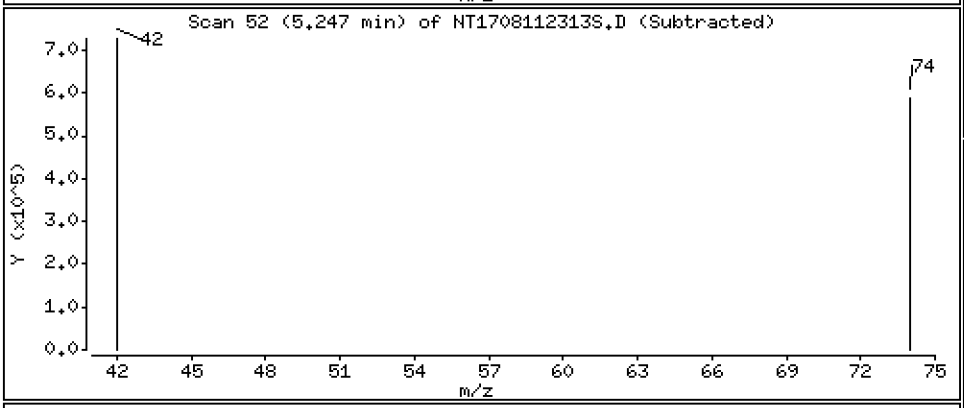
Column diameter: 0.25

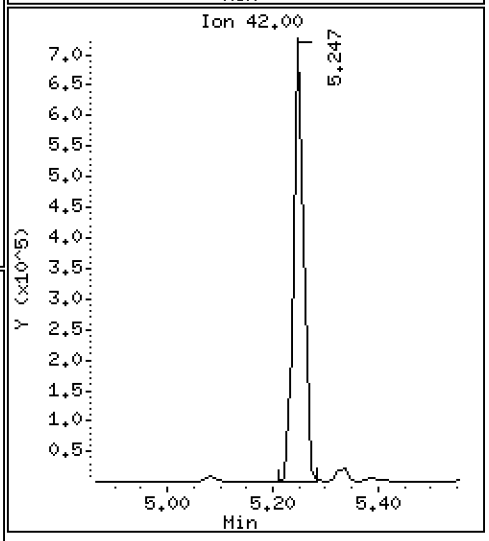
90 N-Nitrosodimethylamine

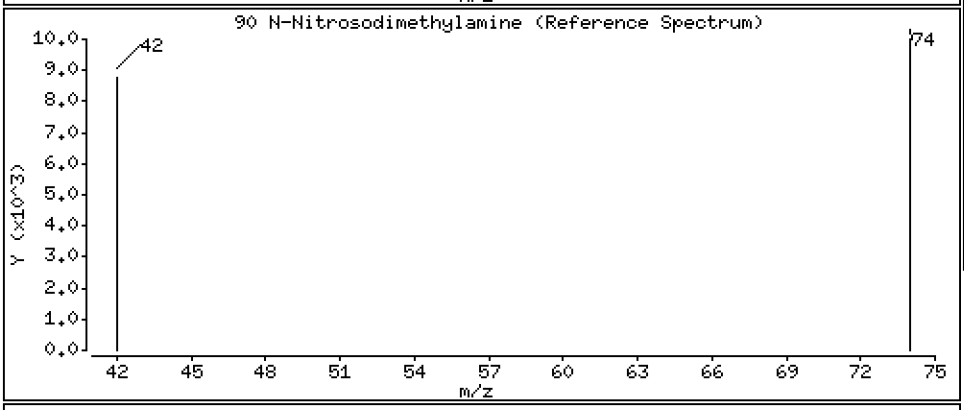
Concentration: 7.653 ug/mL

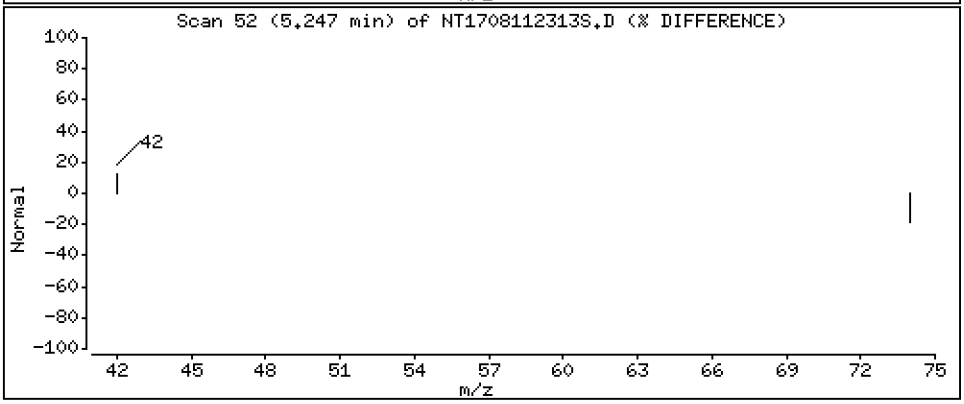












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112313S.D
Lab Smp Id: BLH0180-BS1
Inj Date : 11-AUG-2023 19:43
Operator : YZ Inst ID: nt17.i
Smp Info : BLH0180-BS1
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230811.b\SIM.b\SIMABN2.m
Meth Date : 16-Aug-2023 08:42 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

							CONCENTRATIONS	
		QUANT SIG					ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
$	1 2-Fluorophenol	112	7.311	7.298	(0.766)	591417	5.24078	5.241(R)
	3 Phenol	94	8.891	8.891	(0.932)	614083	3.56968	3.570
	7 1,3-Dichlorobenzene	146	9.477	9.477	(0.993)	353631	3.03904	3.039
*	8 1,4-Dichlorobenzene-d4	152	9.541	9.541	(1.000)	271780	4.00000	
	9 1,4-Dichlorobenzene	146	9.566	9.566	(1.003)	348401	3.09381	3.094
	11 Benzyl alcohol	79	9.796	9.796	(1.027)	460800	3.87011	3.870
	12 1,2-Dichlorobenzene	146	9.924	9.924	(1.040)	344304	3.15188	3.152
	13 2-Methylphenol	108	10.001	10.001	(1.048)	365788	3.50677	3.507
	15 4-Methylphenol	108	10.282	10.269	(1.078)	408291	3.74505	3.745
	16 N-Nitroso-di-n-propylamine	70	10.358	10.346	(1.086)	418425	3.75316	3.753
	22 2,4-Dimethylphenol	107	11.316	11.316	(0.942)	994123	8.75878	8.759
	24 Benzoic acid	105	11.546	11.444	(0.961)	1943512	23.2324	23.23
	26 1,2,4-Trichlorobenzene	180	11.929	11.929	(0.993)	238992	3.08179	3.082
*	27 Naphthalene-d8	136	12.018	12.018	(1.000)	1131212	4.00000	
	30 Hexachlorobutadiene	225	12.413	12.413	(1.033)	119190	3.28191	3.282
	39 Dimethylphthalate	163	15.130	15.117	(0.967)	694572	4.19173	4.192
*	42 Acenaphthene-d10	162	15.640	15.627	(1.000)	509819	4.00000	
	50 Diethylphthalate	149	16.570	16.557	(1.059)	817180	4.74297	4.743
	54 N-Nitrosodiphenylamine	169	16.965	16.965	(0.909)	409909	3.46000	3.460
	57 Hexachlorobenzene	284	18.034	18.034	(0.966)	138109	3.55815	3.558
	58 Pentachlorophenol	266	18.391	18.391	(0.985)	328204	12.4602	12.46
*	59 Phenanthrene-d10	188	18.672	18.659	(1.000)	824057	4.00000	
$	66 Terphenyl-d14	244	21.745	21.745	(0.920)	340704	4.22068	4.221(R)
	67 Butylbenzylphthalate	149	22.638	22.638	(0.957)	665972	4.30246	4.302
*	69 Chrysene-d12	240	23.646	23.646	(1.000)	583331	4.00000	
*	77 Perylene-d12	264	26.452	26.452	(1.000)	590873	4.00000	
	79 Dibenzo(a,h)anthracene	278	29.416	29.403	(1.112)	657360	3.76660	3.767
	90 N-Nitrosodimethylamine	74	5.247	5.209	(0.550)	878804	7.65317	7.653

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i Calibration Date: 11-AUG-2023
Lab File ID: NT1708112313S.D Calibration Time: 13:27
Lab Smp Id: BLH0180-BS1
Analysis Type: SV Level:
Quant Type: ISTD Sample Type:
Operator: YZ
Method File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\SIMABN2.m
Misc Info:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	295324	147662	590648	271780	-7.97
27 Naphthalene-d8	1172715	586358	2345430	1131212	-3.54
42 Acenaphthene-d10	521273	260637	1042546	509819	-2.20
59 Phenanthrene-d10	837823	418912	1675646	824057	-1.64
69 Chrysene-d12	615517	307759	1231034	583331	-5.23
77 Perylene-d12	594634	297317	1189268	590873	-0.63

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.54	9.04	10.04	9.54	-0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	-0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.64	0.08
59 Phenanthrene-d10	18.66	18.16	19.16	18.67	0.07
69 Chrysene-d12	23.65	23.15	24.15	23.65	-0.00
77 Perylene-d12	26.45	25.95	26.95	26.45	-0.00

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

REVIEW SUMMARY FOR FILE - NT1708112313S.D

Lab ID: BLH0180-BS1
nt17.i, 20230811.b\SIM.b\SIMABN2.m,   11-AUG-2023 19:43

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.961	0.952	0.0085	Benzoic acid

RRT check based on Ccal File: SIM.b/NT1708112303S.D

On Column LOD for nt17.i, SIM.b\SIMABN2.m, PSDDA.sub = 0.0000

Exception: 1,2,4-Trichlorobenzene 0.0010

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

Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112314S.D

Date : 11-AUG-2023 20:20

Client ID:

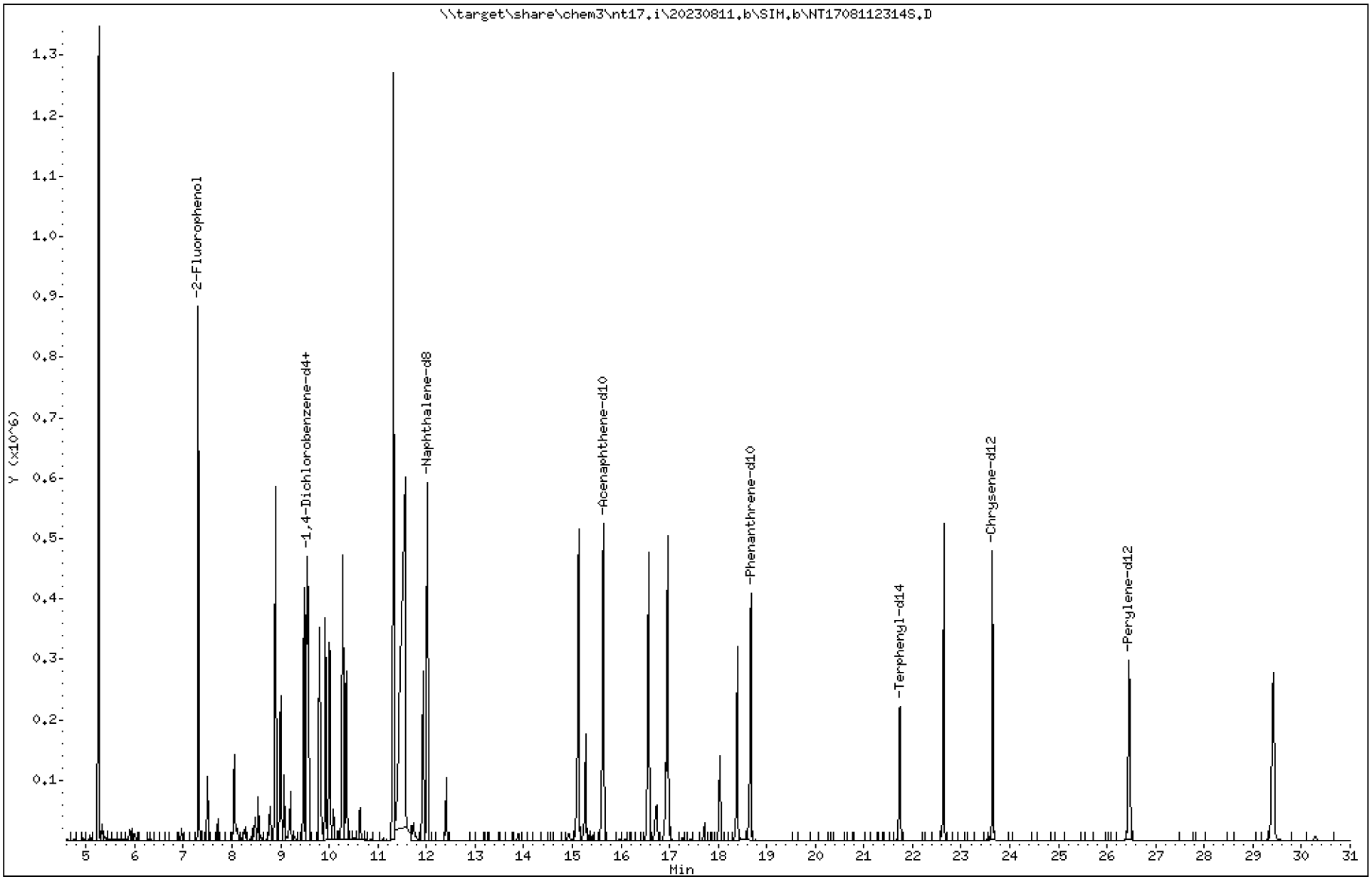
Sample Info: BLH0180-BSD1

Instrument: nt17.i

Operator: YZ

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

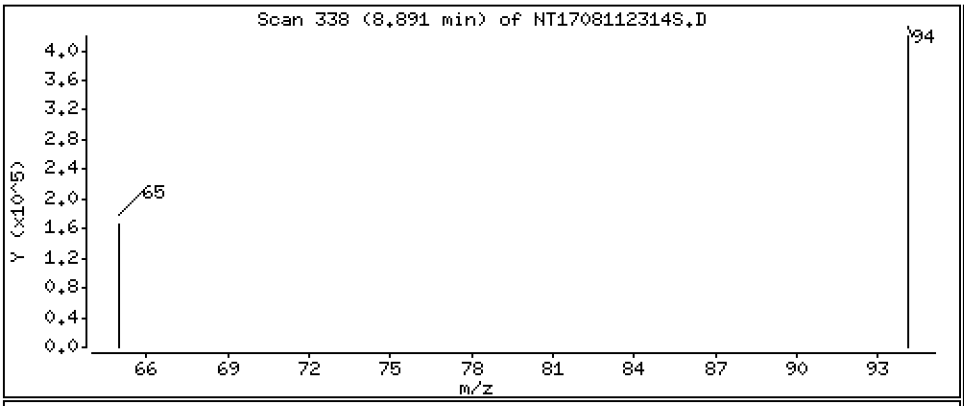
Operator: YZ

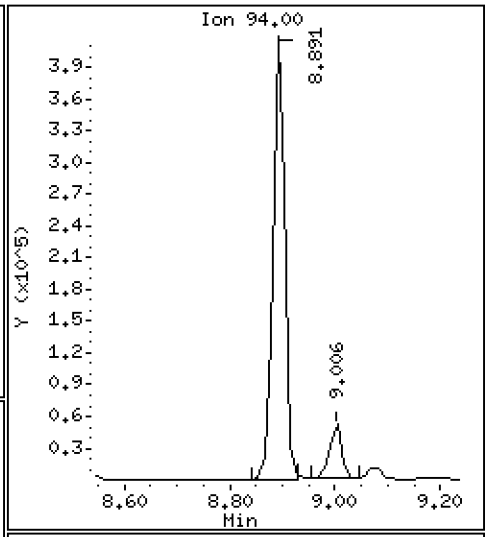
Column phase: ZB-5msi

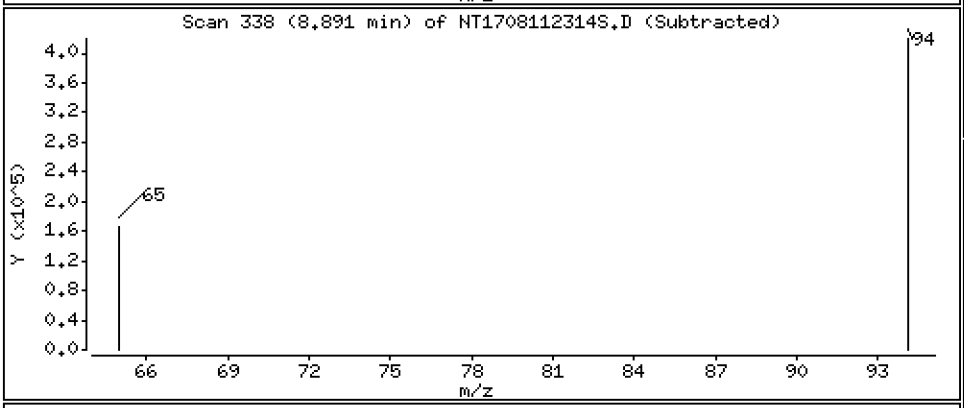
Column diameter: 0.25

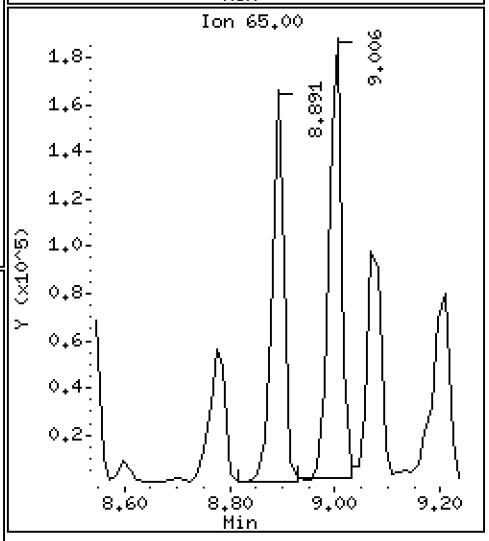
3 Phenol

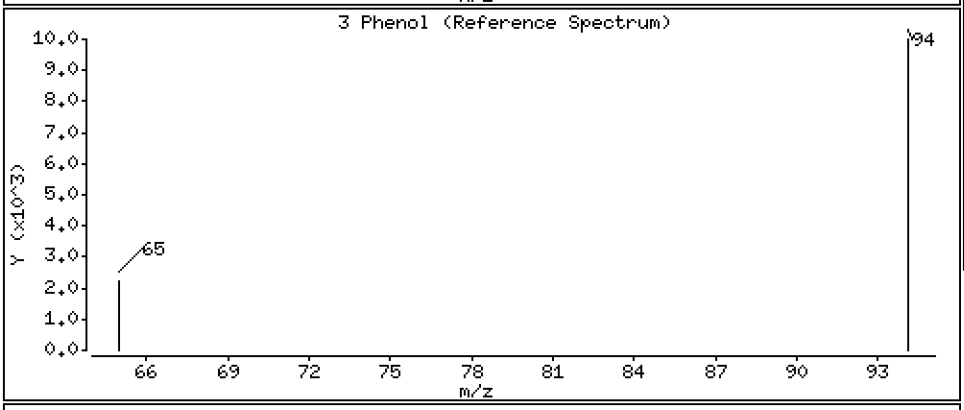
Concentration: 3.738 ug/mL

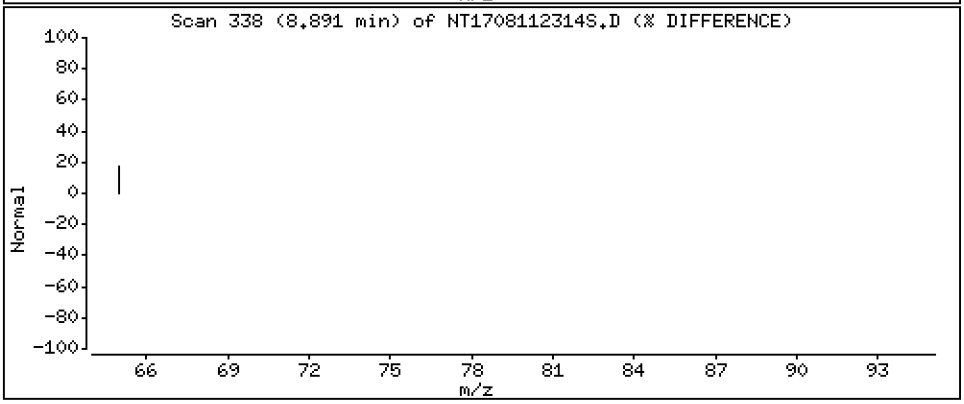












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

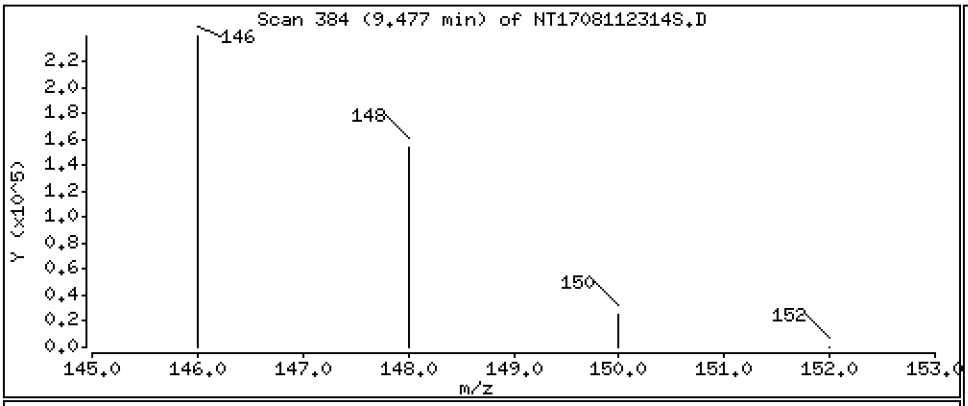
Operator: YZ

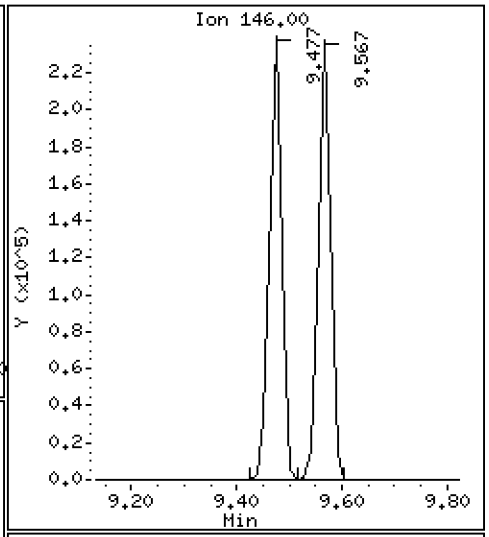
Column phase: ZB-5msi

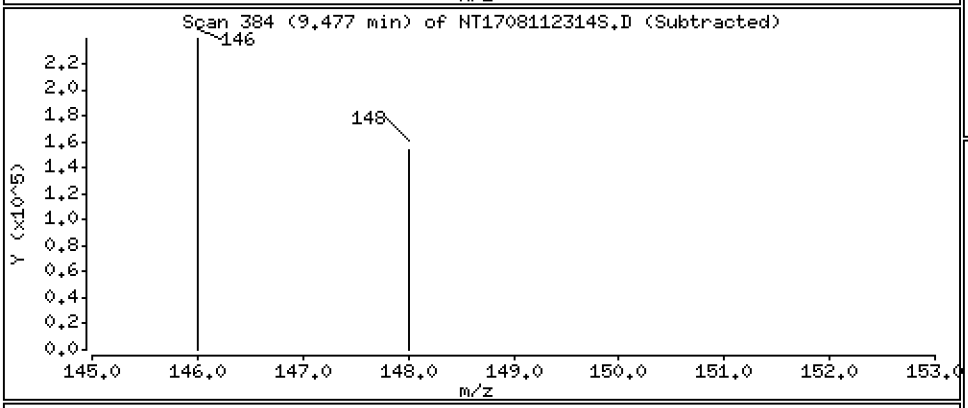
Column diameter: 0.25

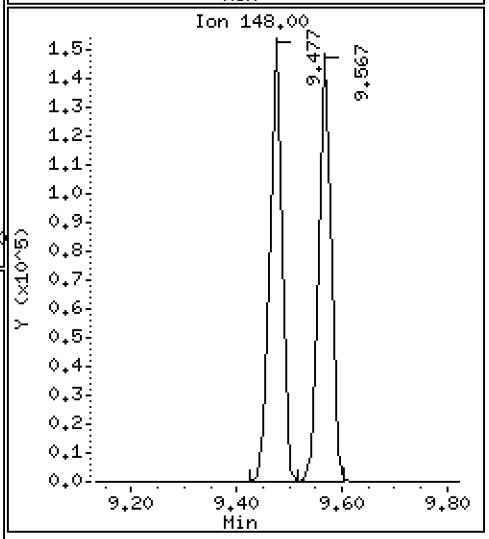
7 1,3-Dichlorobenzene

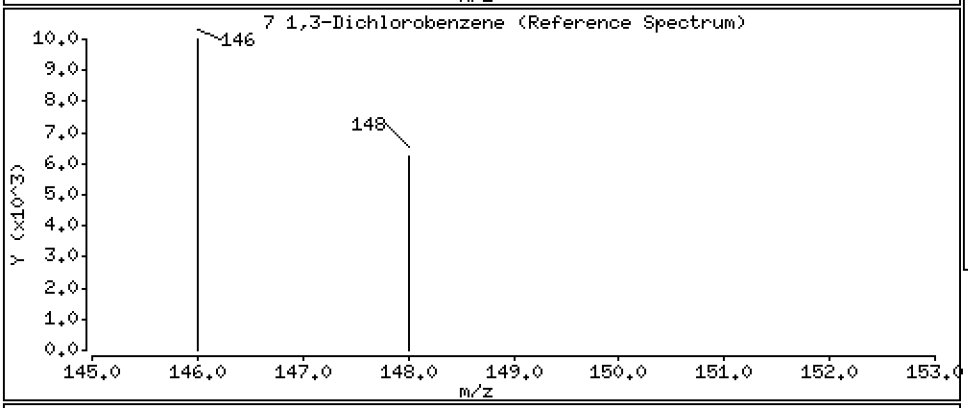
Concentration: 3.206 ug/mL

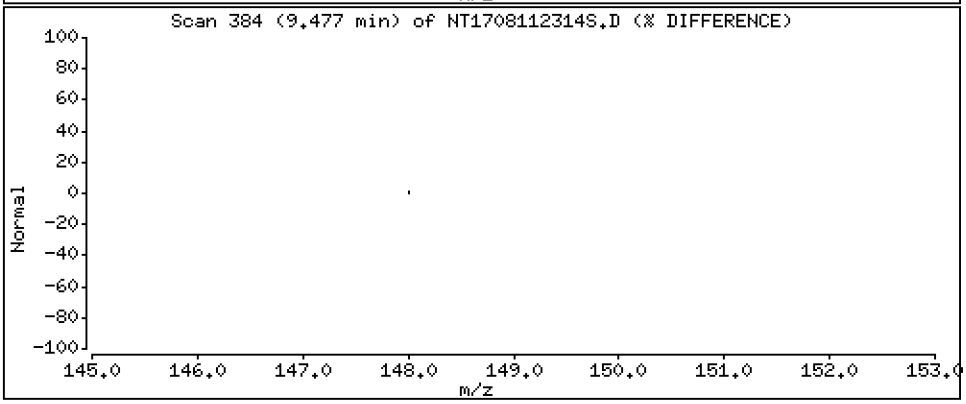












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

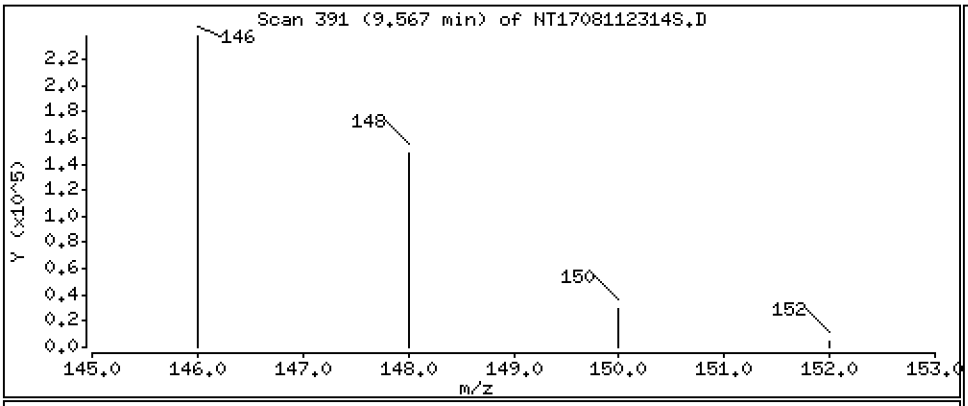
Operator: YZ

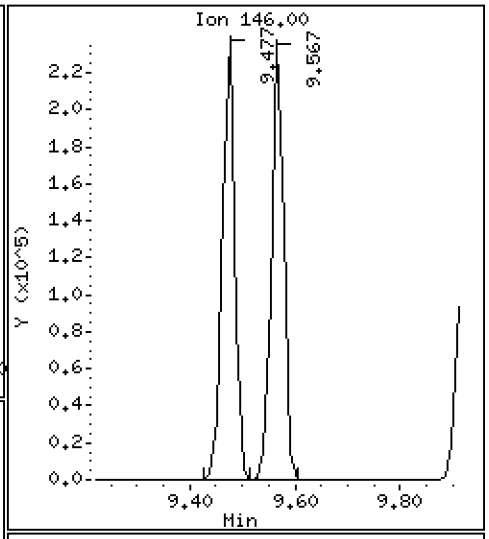
Column phase: ZB-5msi

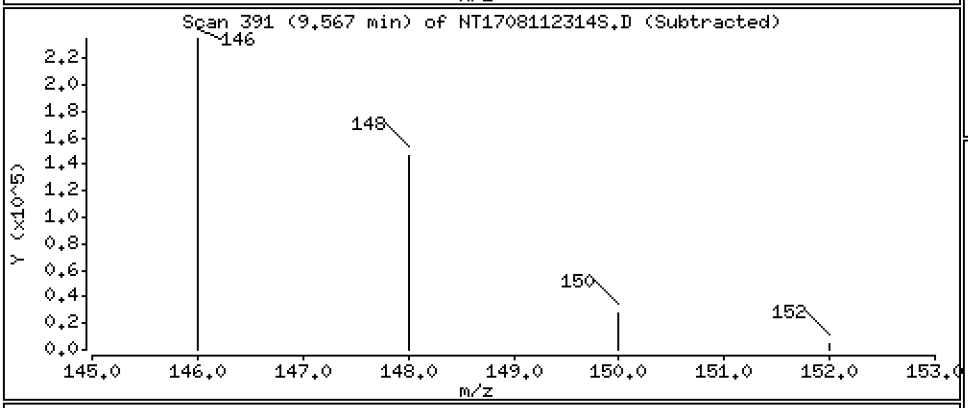
Column diameter: 0.25

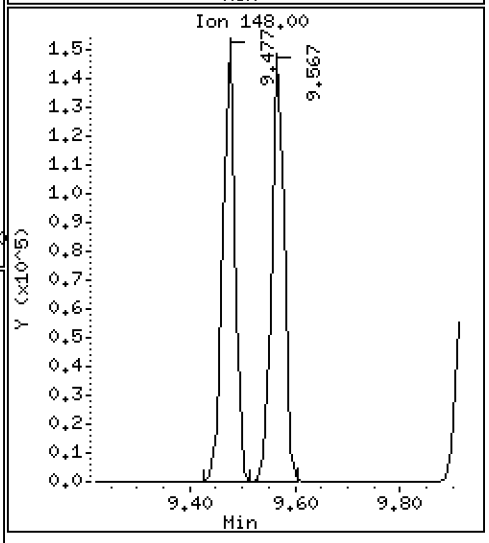
9 1,4-Dichlorobenzene

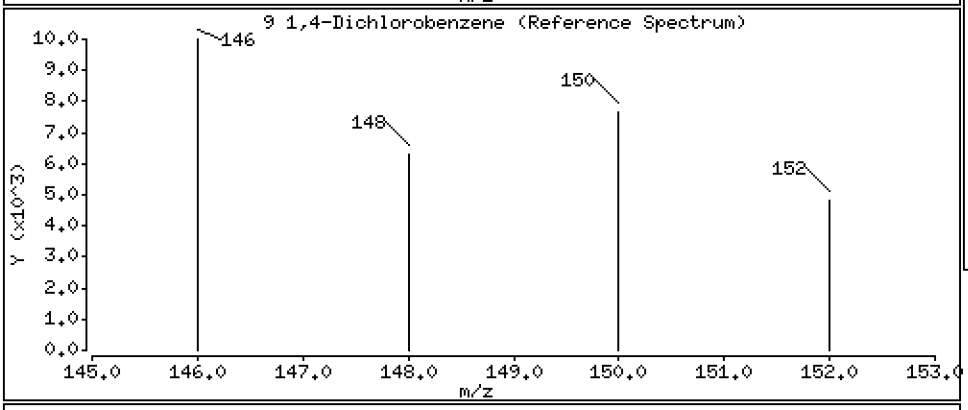
Concentration: 3.252 ug/mL

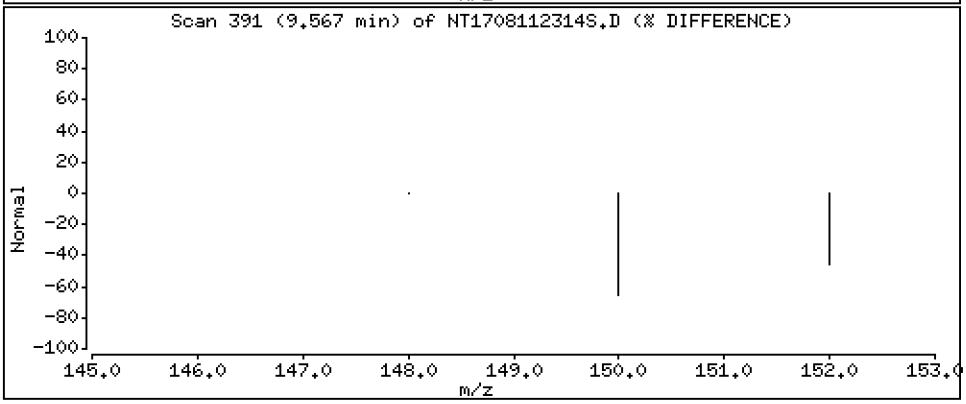












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

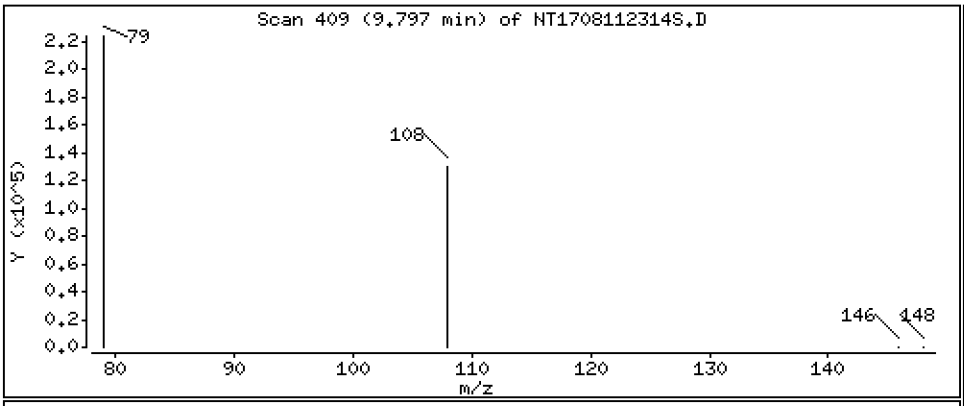
Operator: YZ

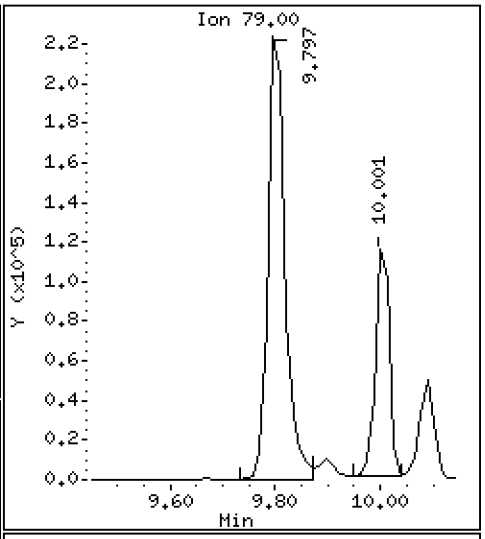
Column phase: ZB-5msi

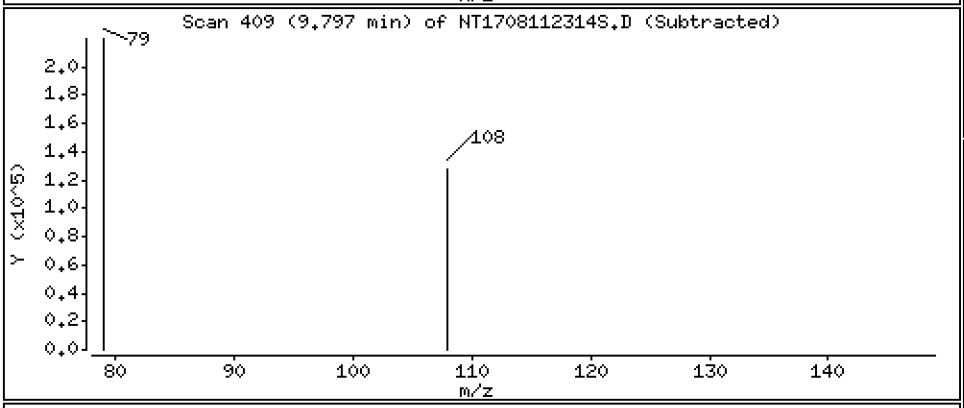
Column diameter: 0.25

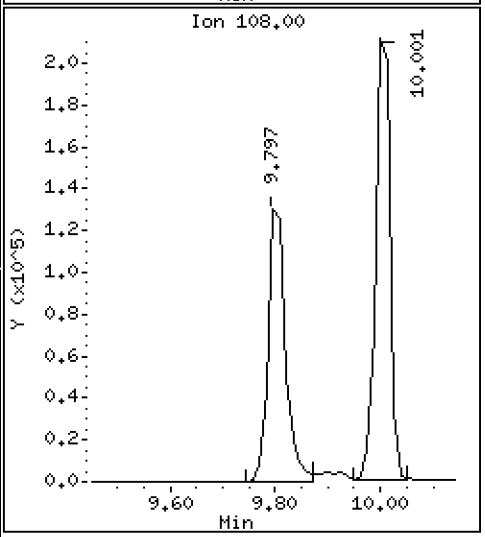
11 Benzyl alcohol

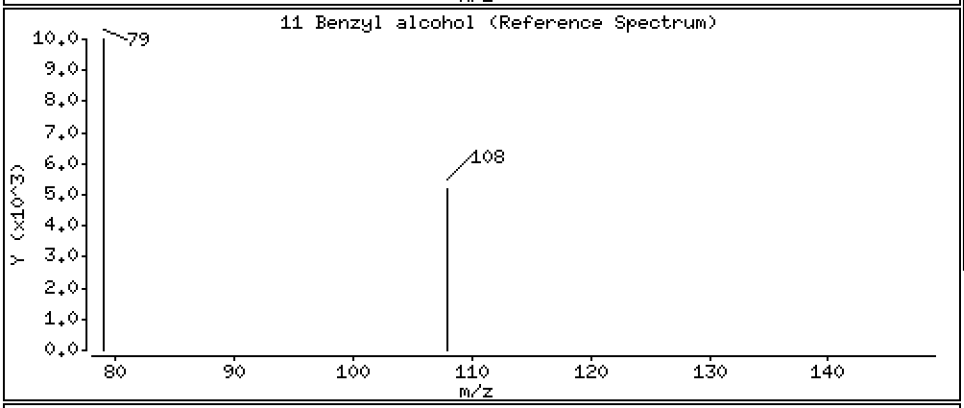
Concentration: 4.058 ug/mL

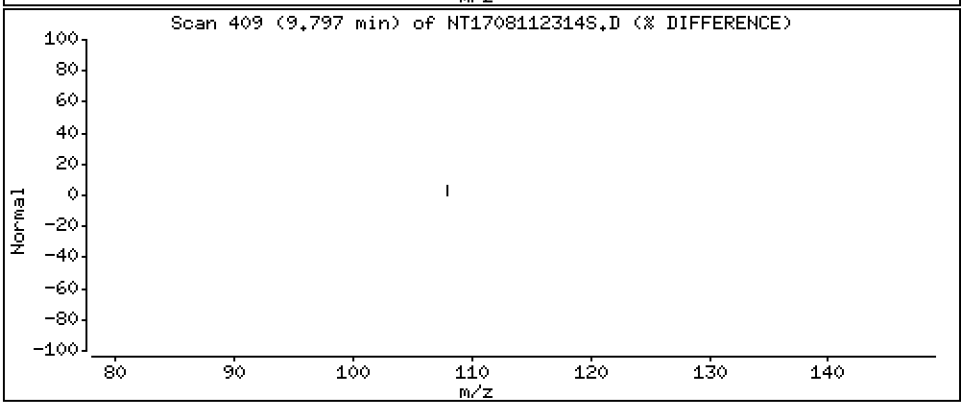












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

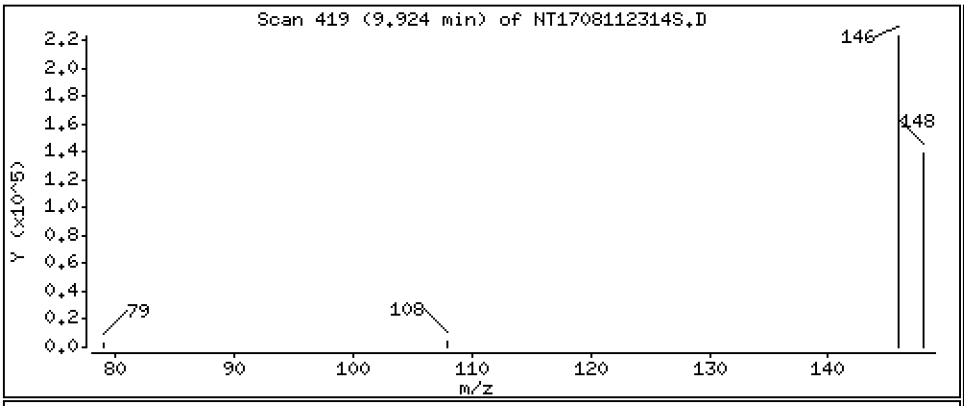
Operator: YZ

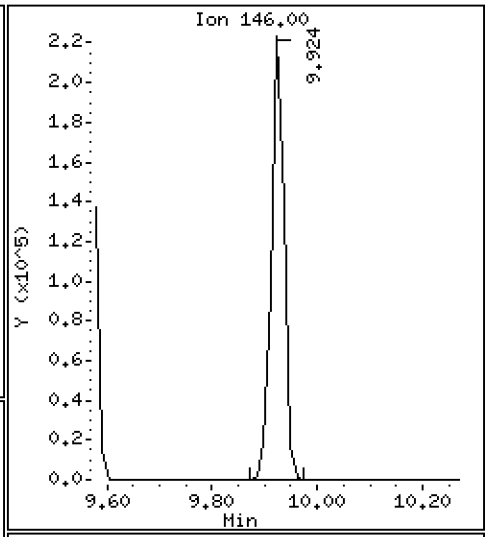
Column phase: ZB-5msi

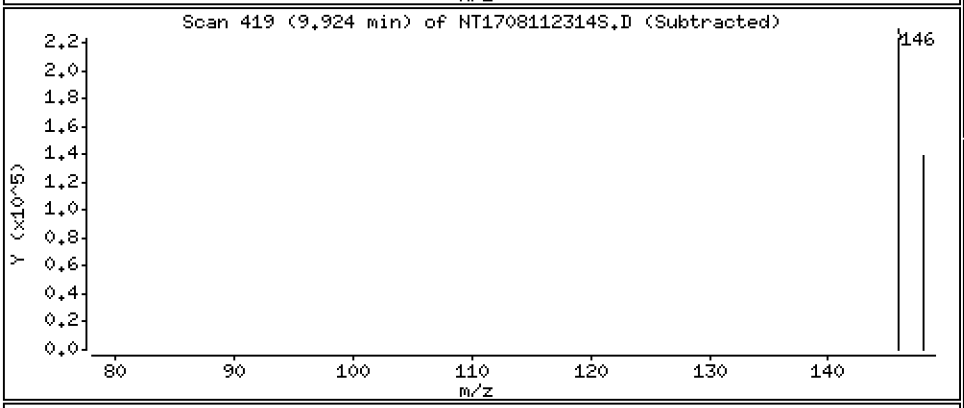
Column diameter: 0.25

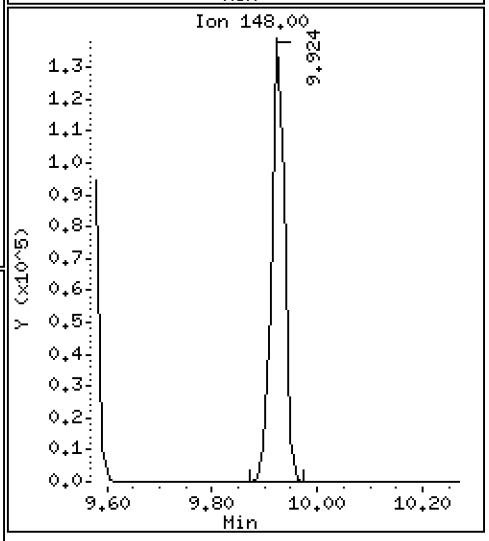
12 1,2-Dichlorobenzene

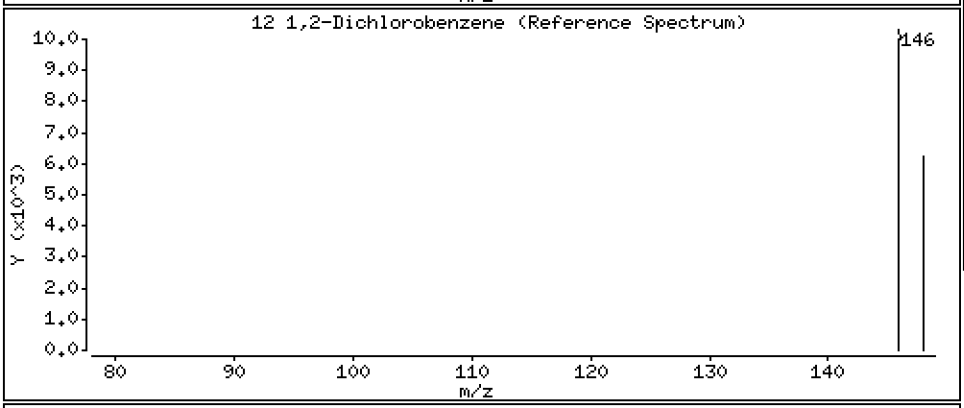
Concentration: 3.308 ug/mL

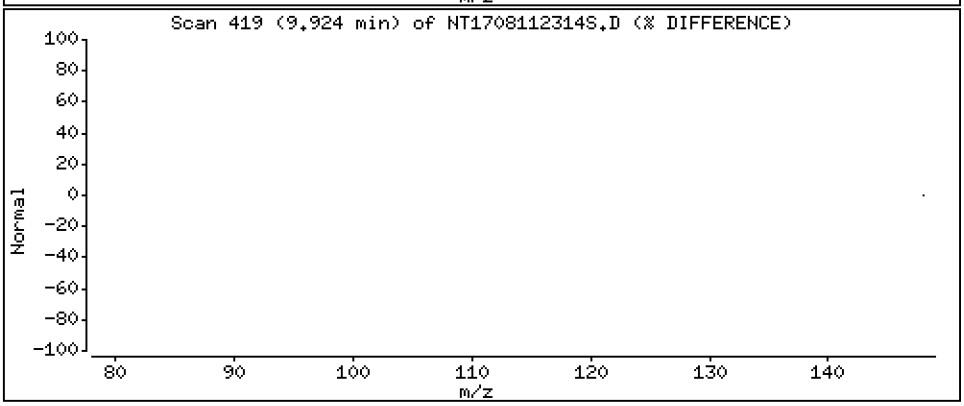












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

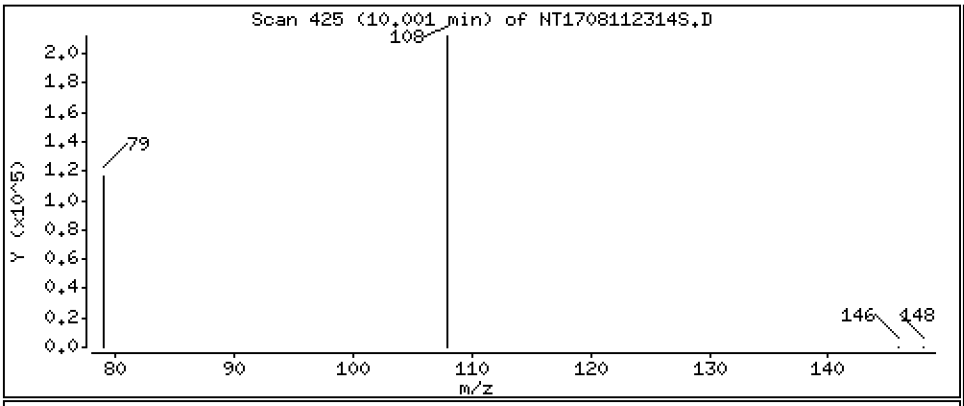
Operator: YZ

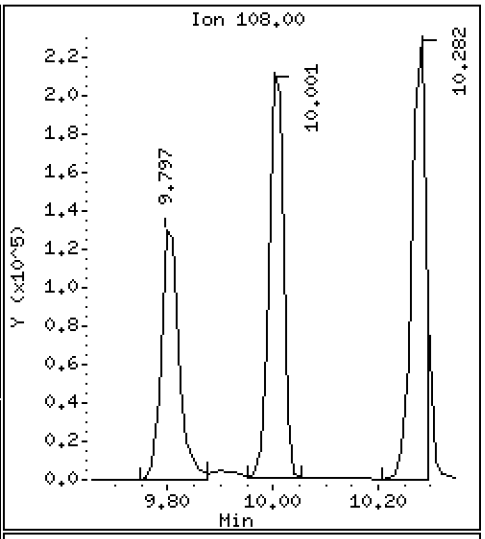
Column phase: ZB-5msi

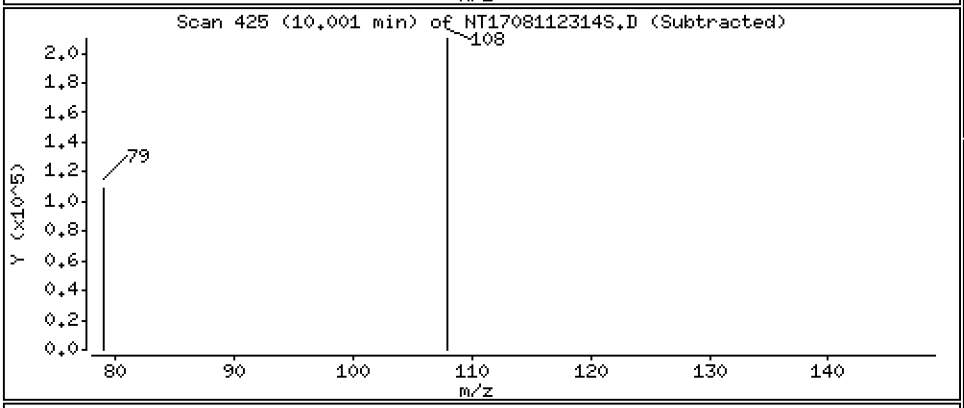
Column diameter: 0.25

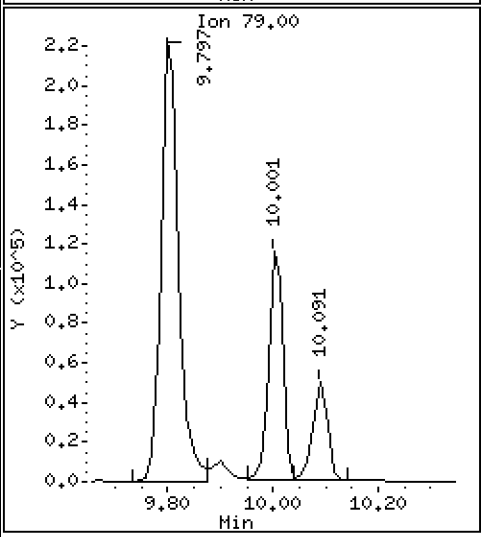
13 2-Methylphenol

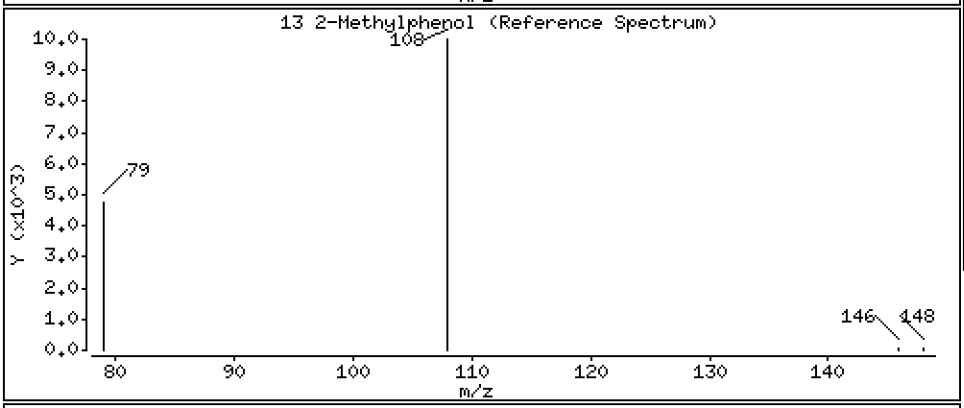
Concentration: 3.709 ug/mL

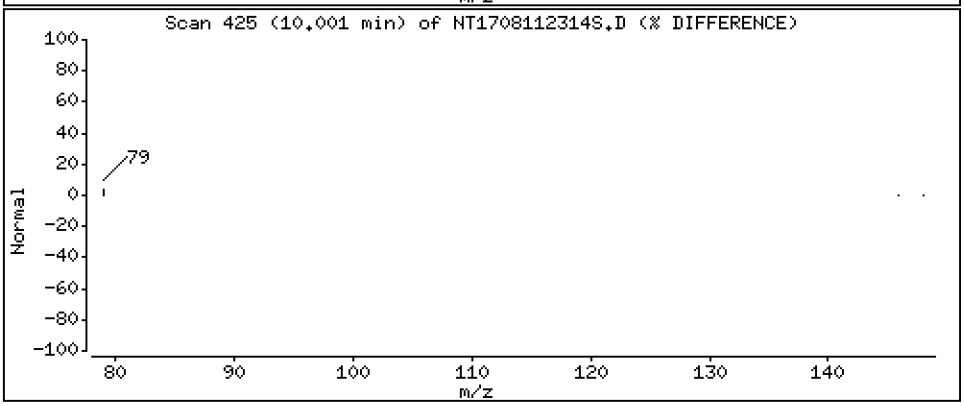












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

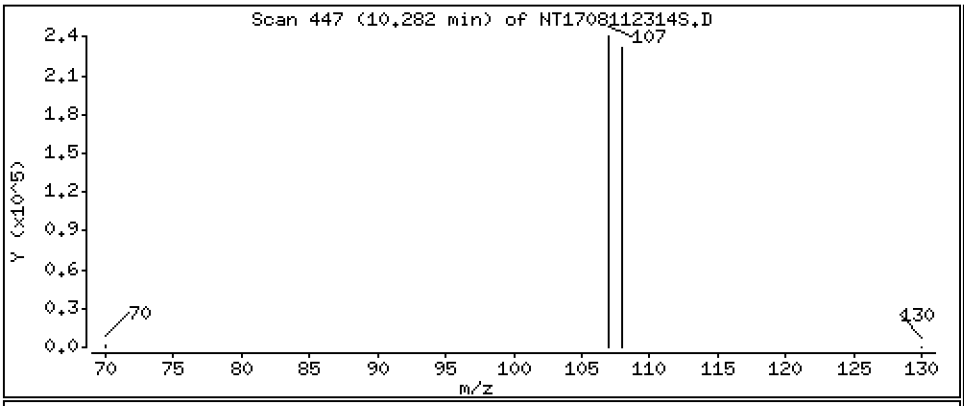
Operator: YZ

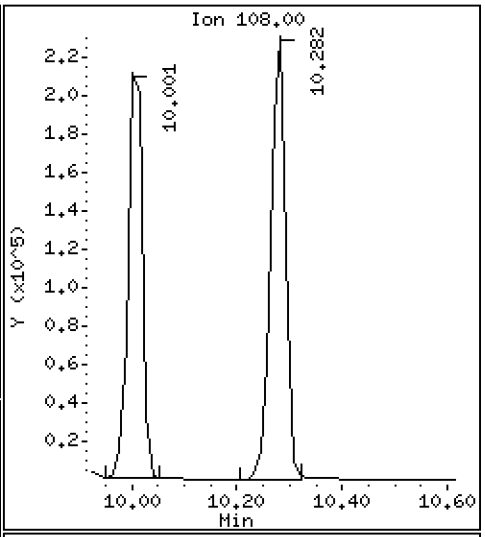
Column phase: ZB-5msi

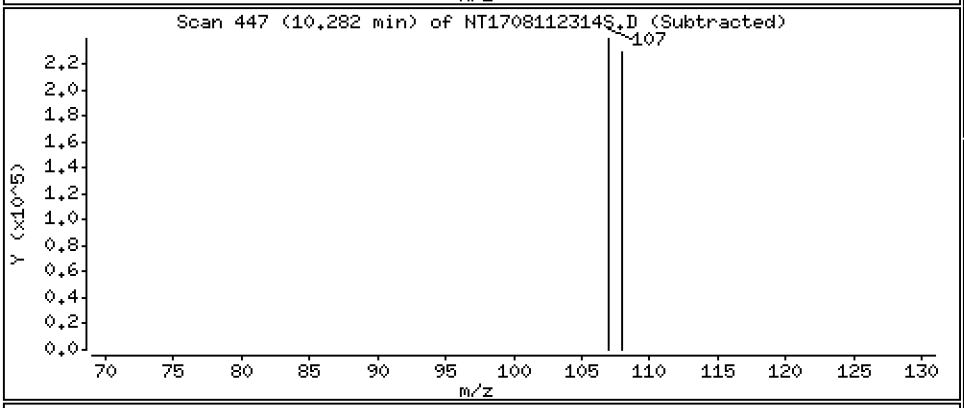
Column diameter: 0.25

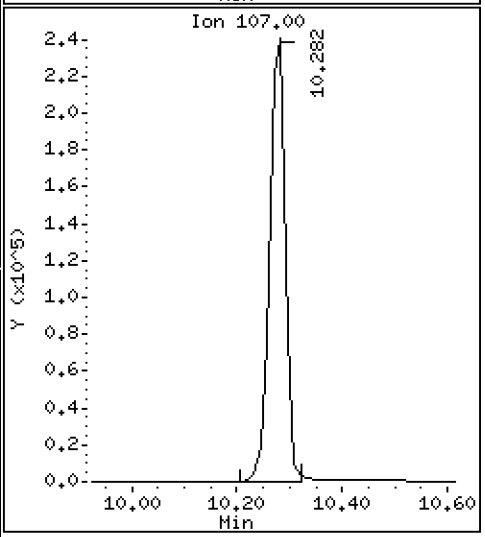
15 4-Methylphenol

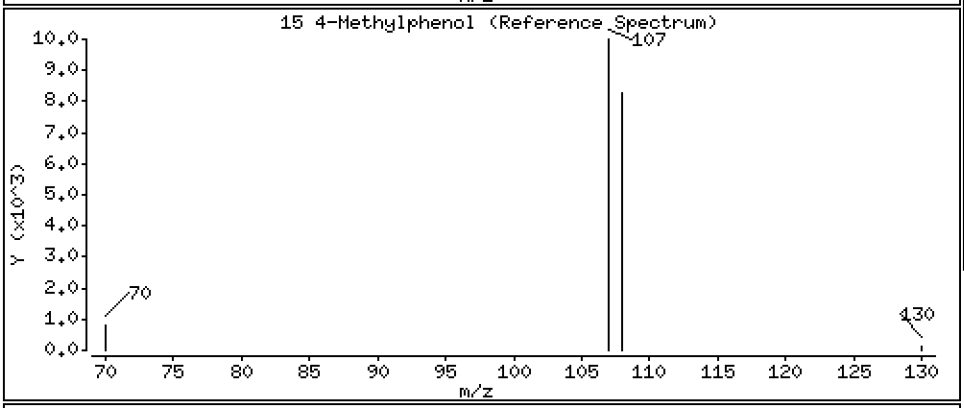
Concentration: 3.973 ug/mL

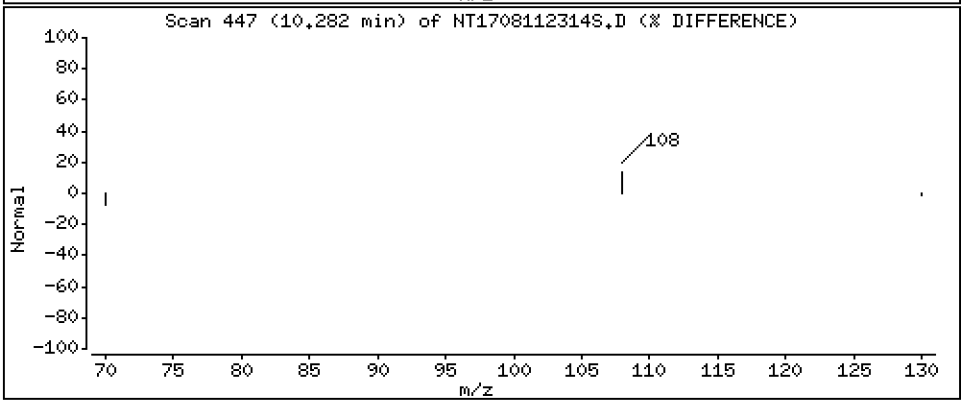












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

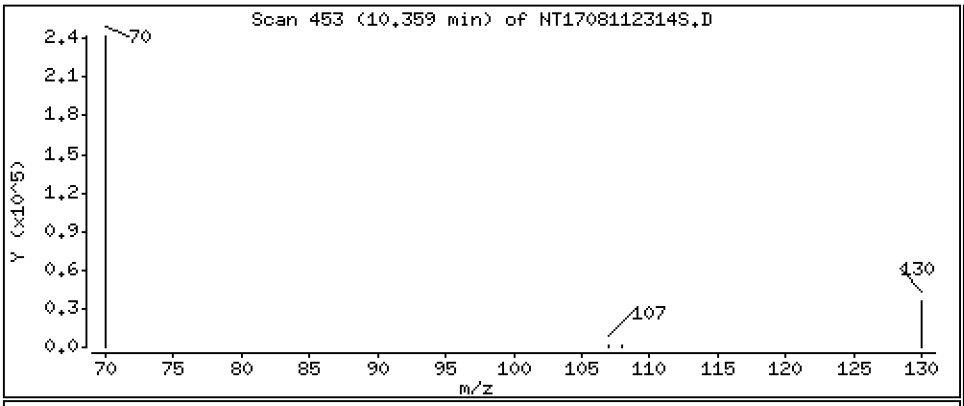
Operator: YZ

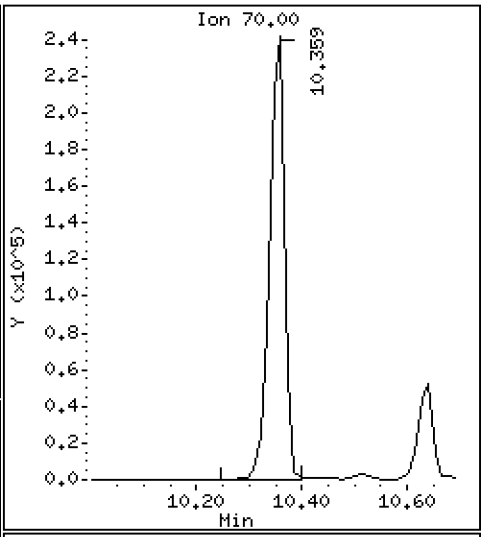
Column phase: ZB-5msi

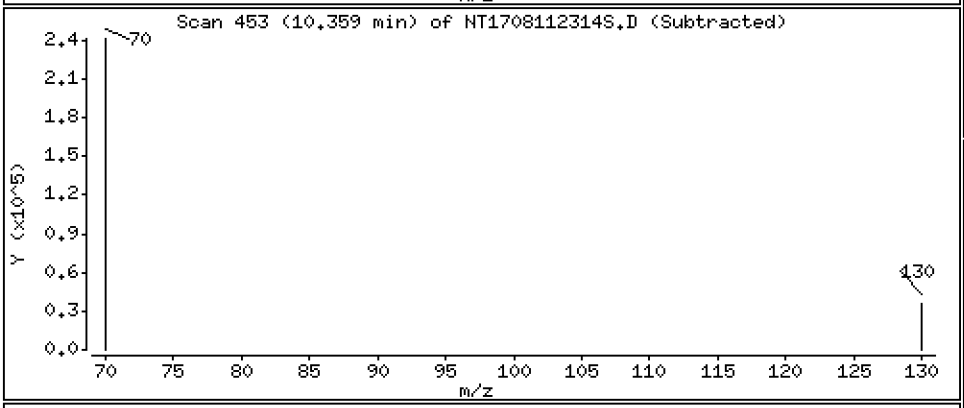
Column diameter: 0.25

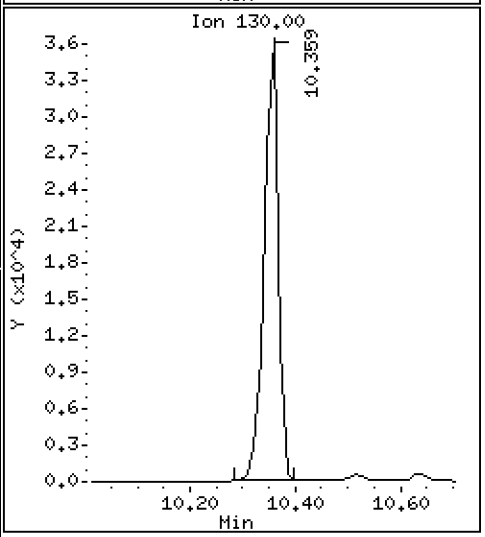
16 N-Nitroso-di-n-propylamine

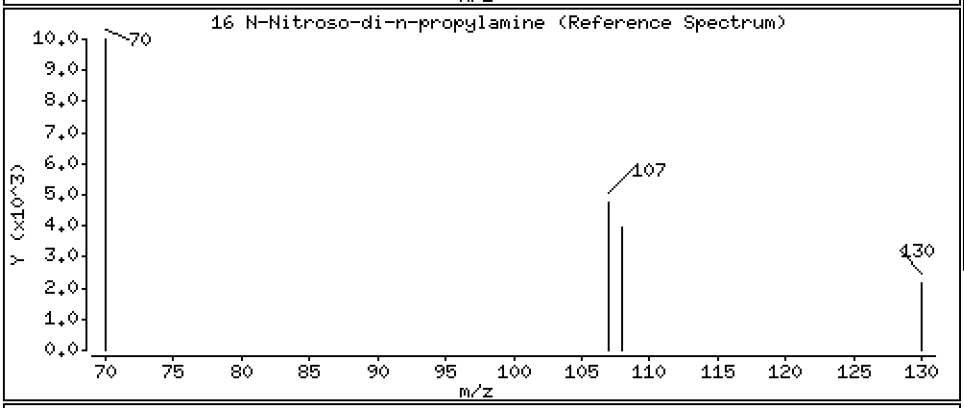
Concentration: 4.102 ug/mL

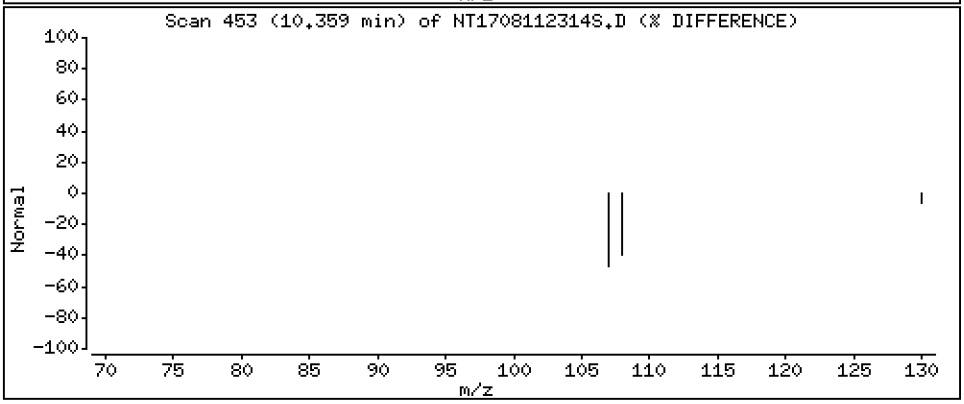












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

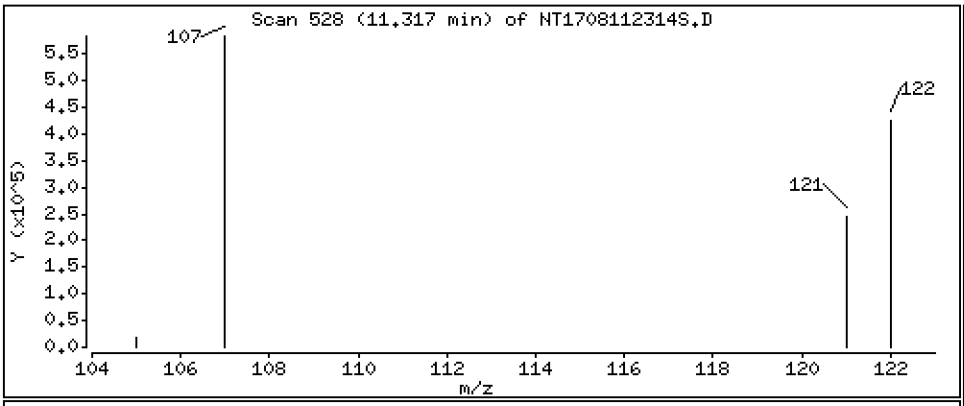
Operator: YZ

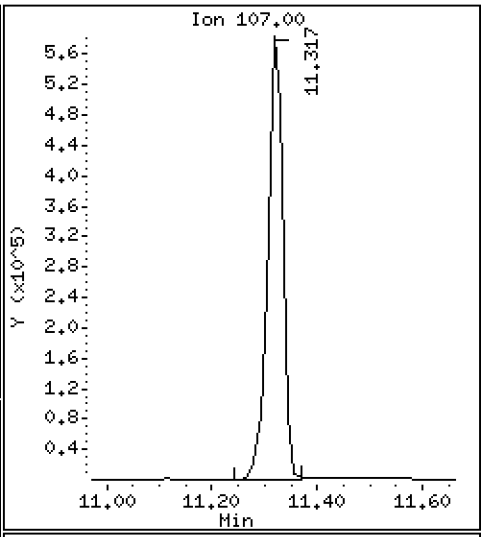
Column phase: ZB-5msi

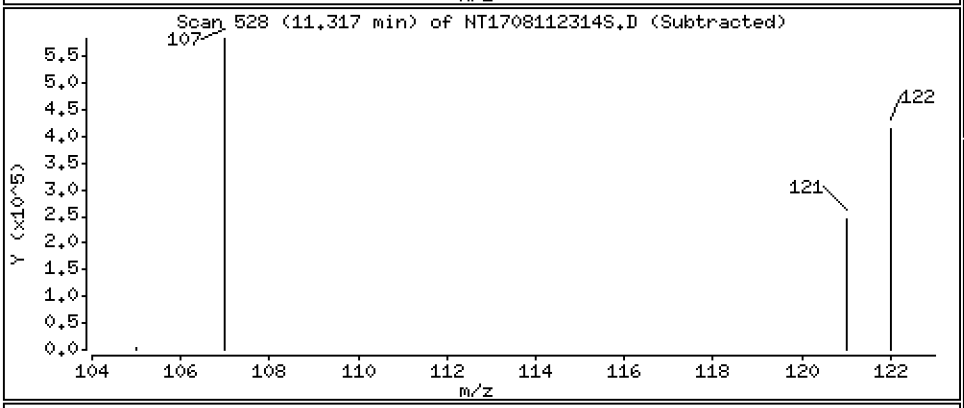
Column diameter: 0.25

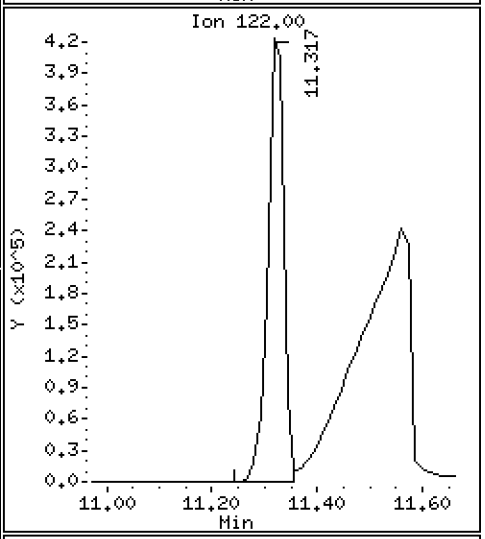
22 2,4-Dimethylphenol

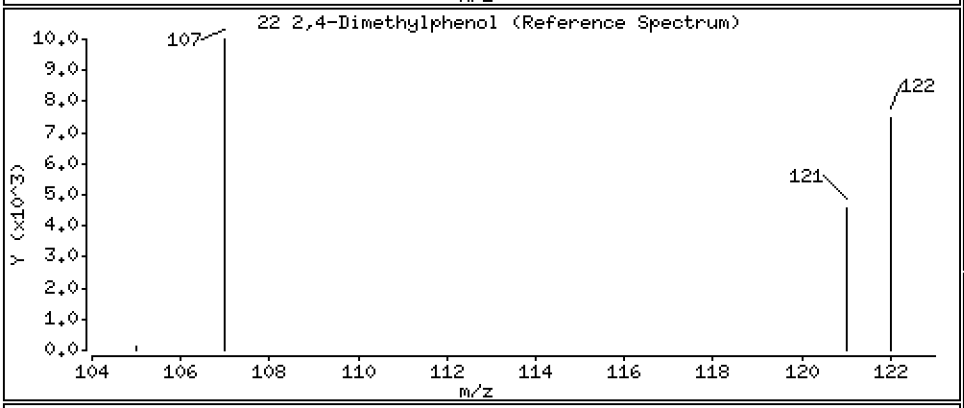
Concentration: 9.864 ug/mL

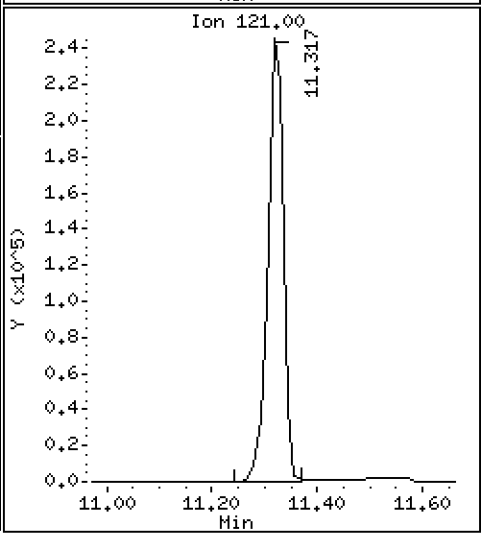


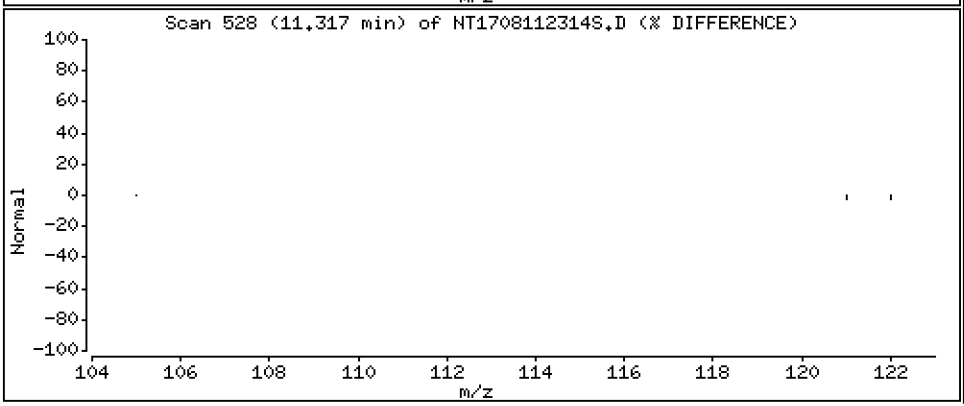












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112314S.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

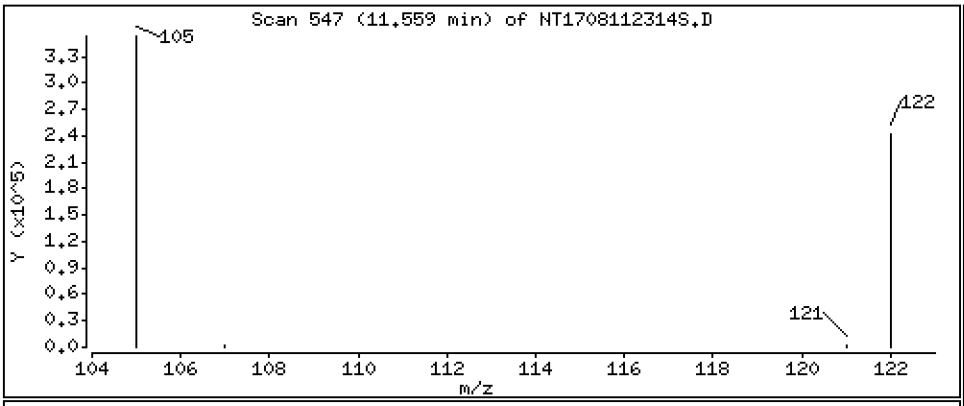
Operator: YZ

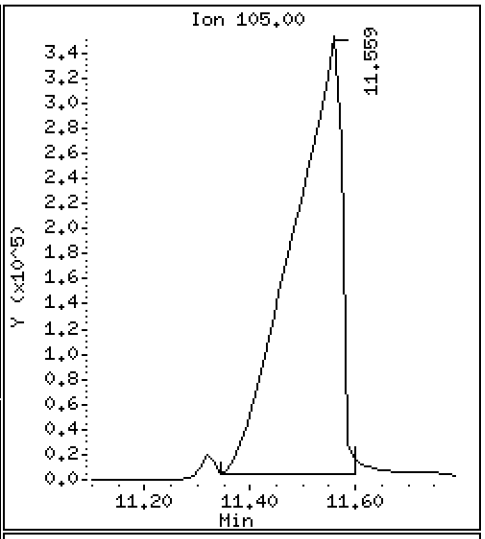
Column phase: ZB-5msi

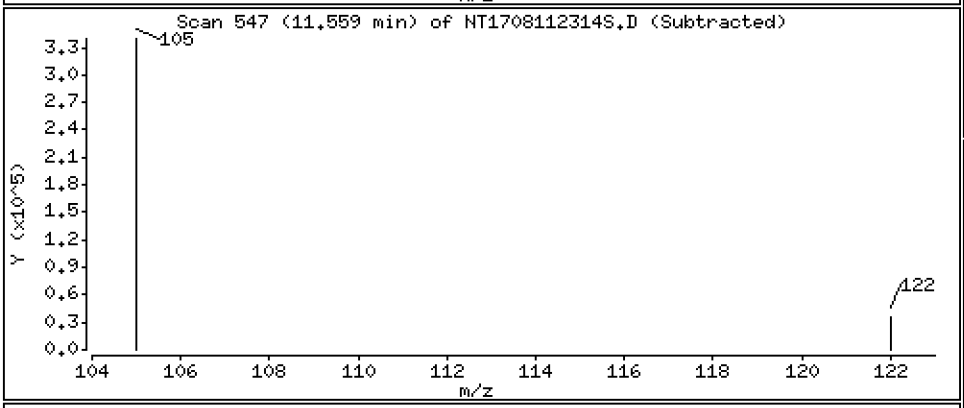
Column diameter: 0.25

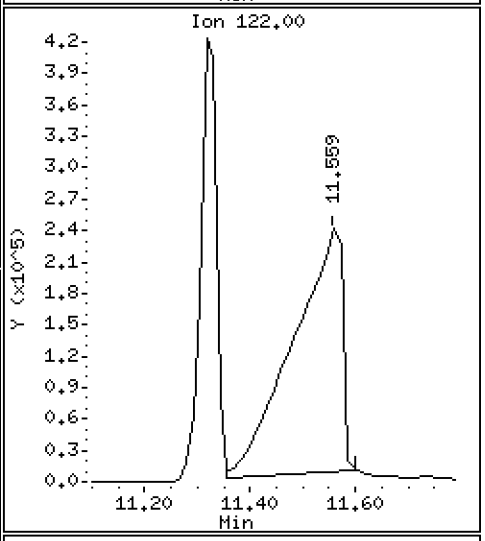
24 Benzoic acid

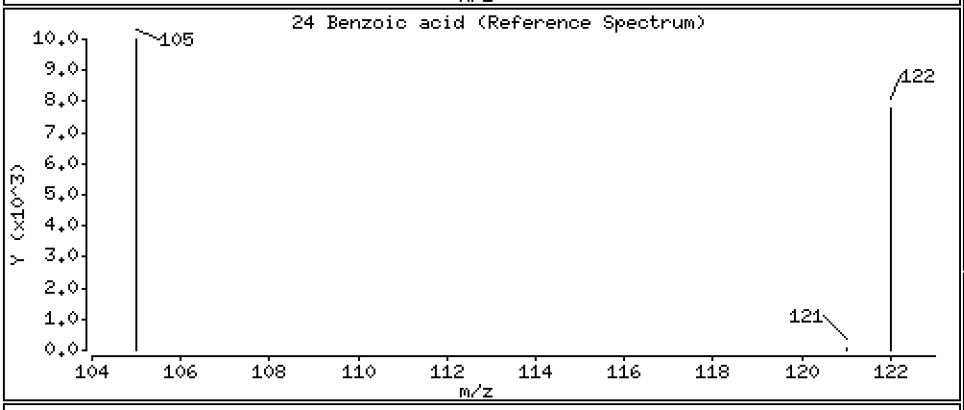
Concentration: 25.47 ug/mL

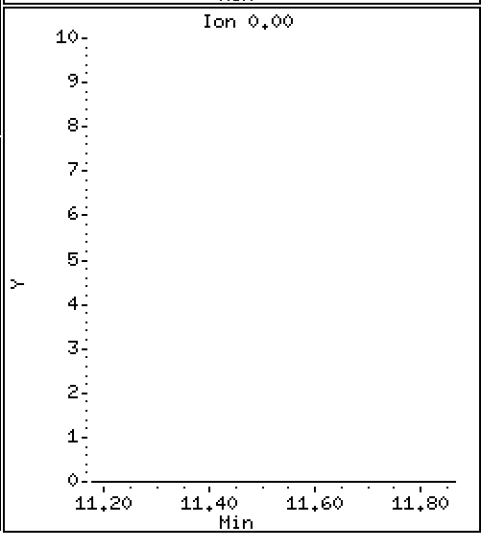


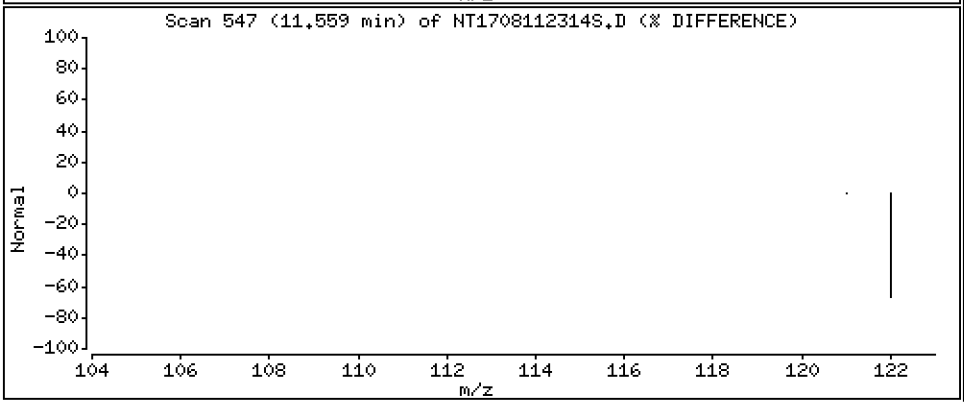












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112314S.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

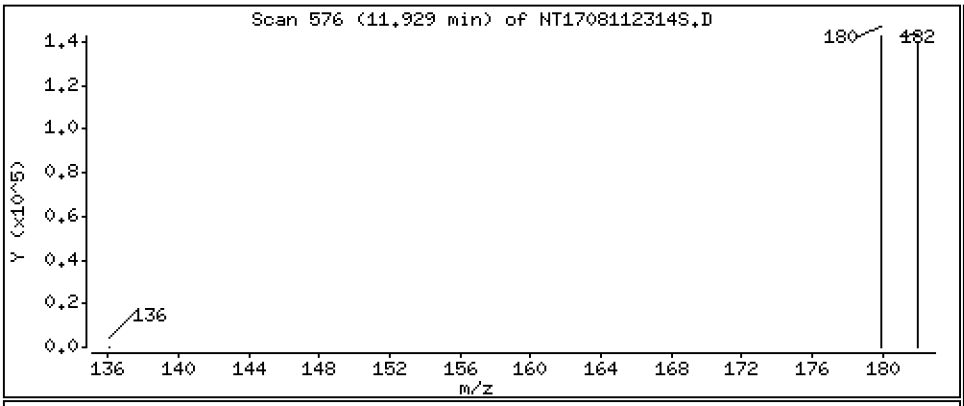
Operator: YZ

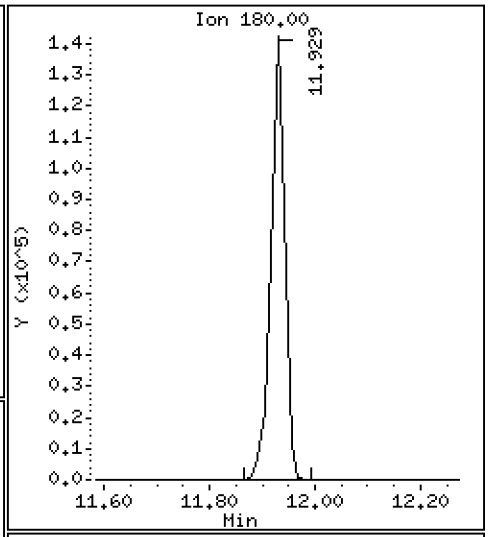
Column phase: ZB-5msi

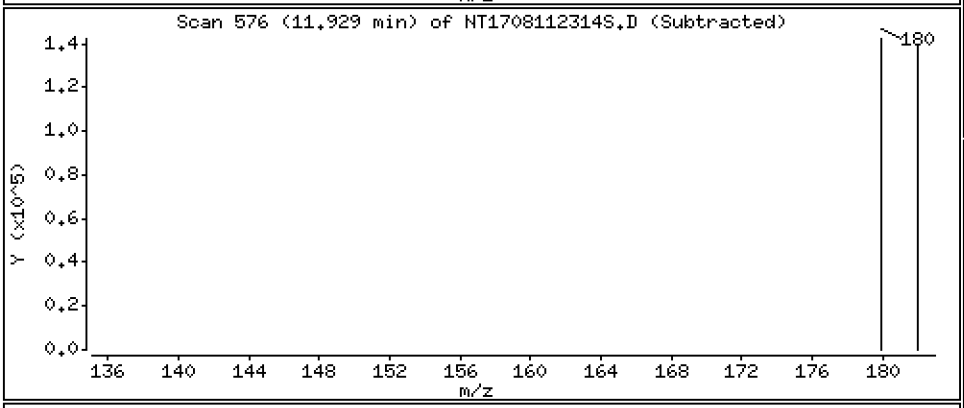
Column diameter: 0.25

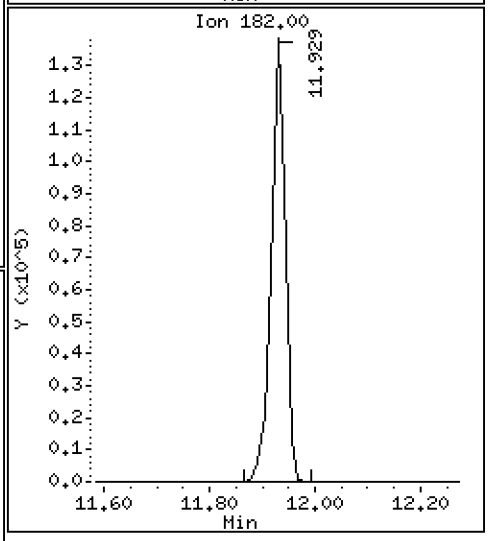
26 1,2,4-Trichlorobenzene

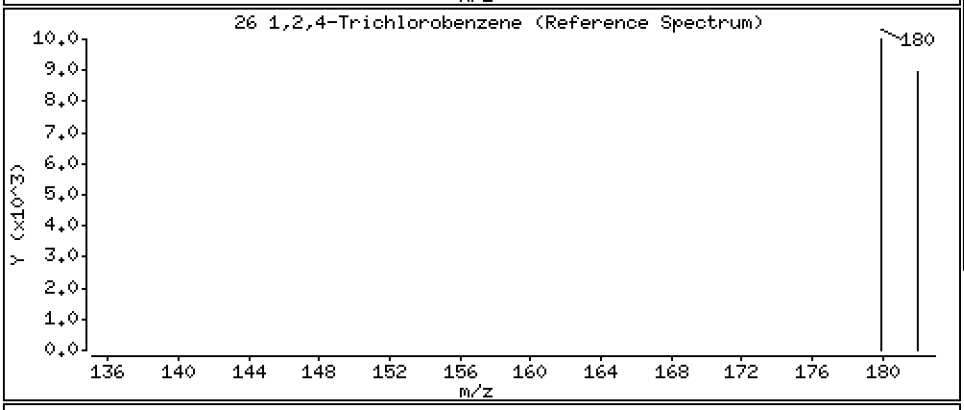
Concentration: 3.207 ug/mL

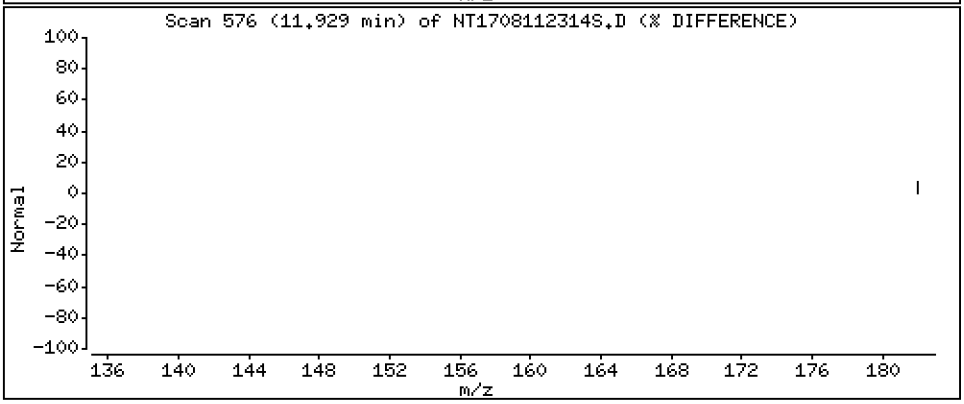












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

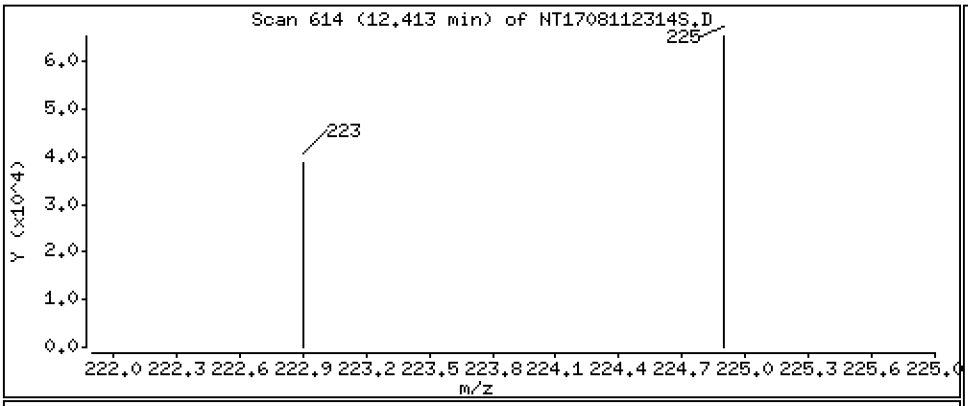
Operator: YZ

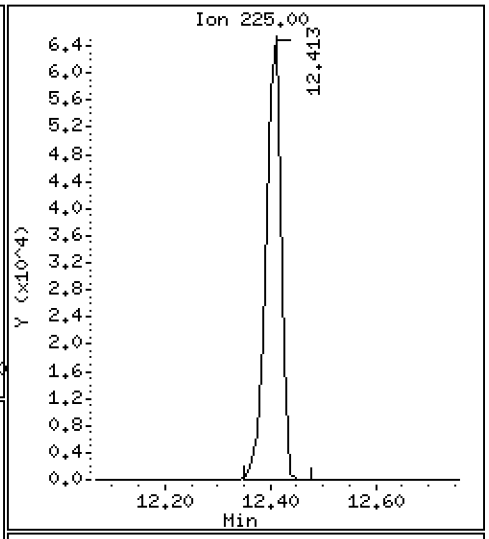
Column phase: ZB-5msi

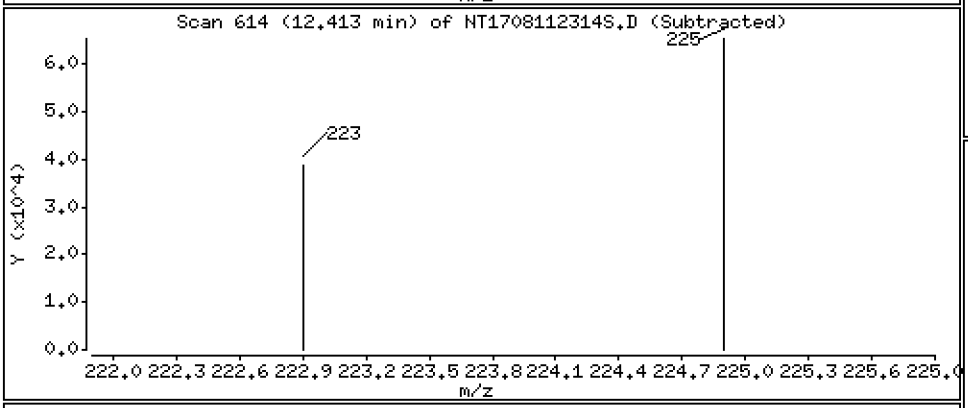
Column diameter: 0.25

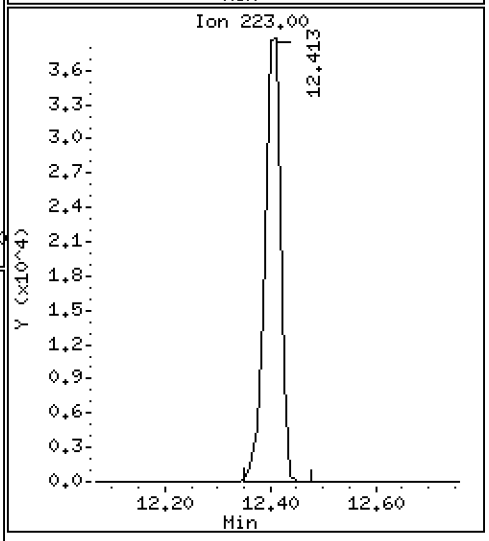
30 Hexachlorobutadiene

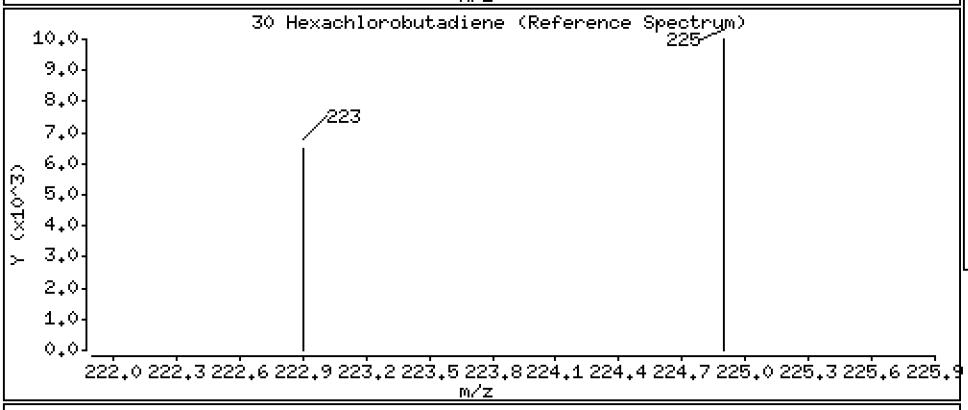
Concentration: 3.436 ug/mL

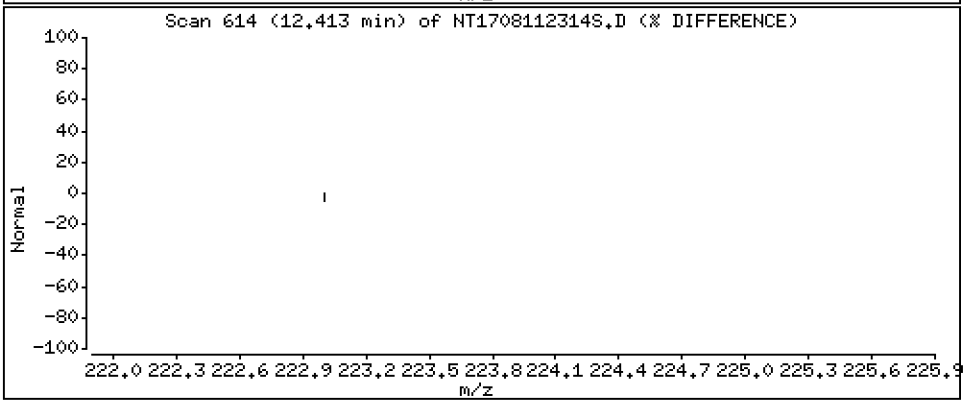












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

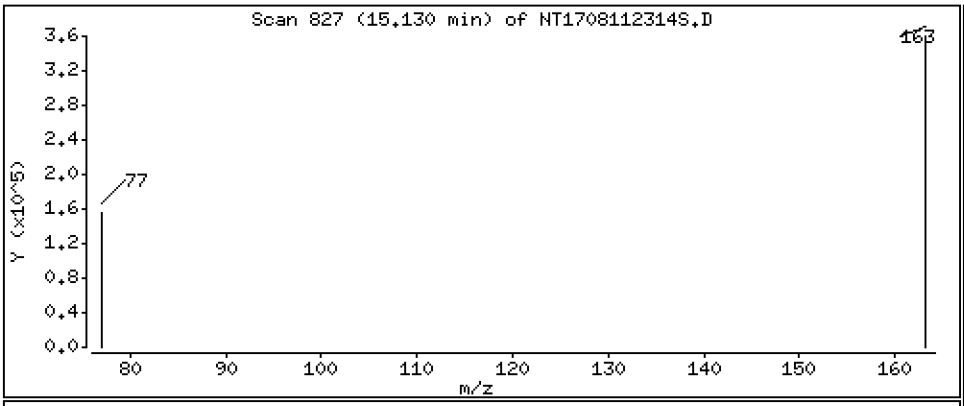
Operator: YZ

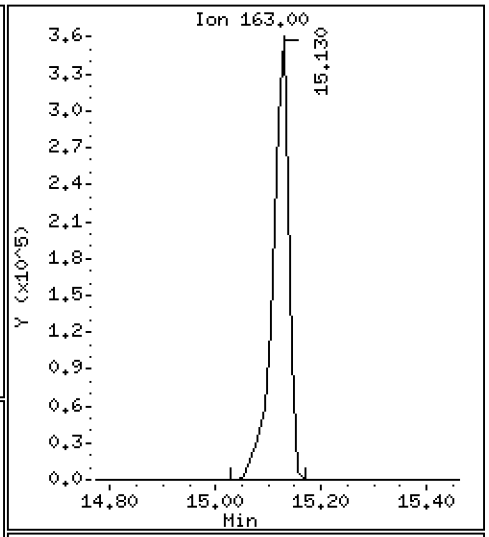
Column phase: ZB-5msi

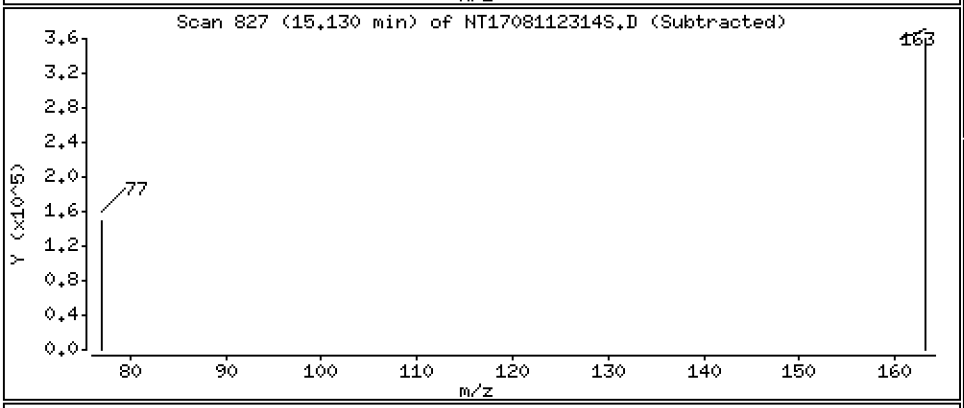
Column diameter: 0.25

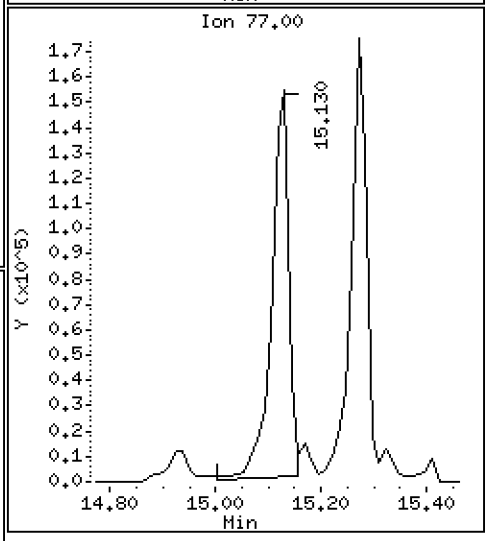
39 Dimethylphthalate

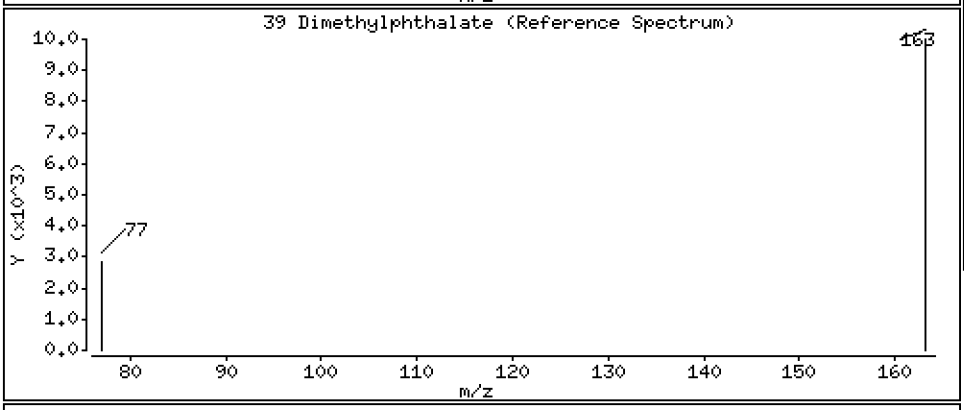
Concentration: 4.430 ug/mL

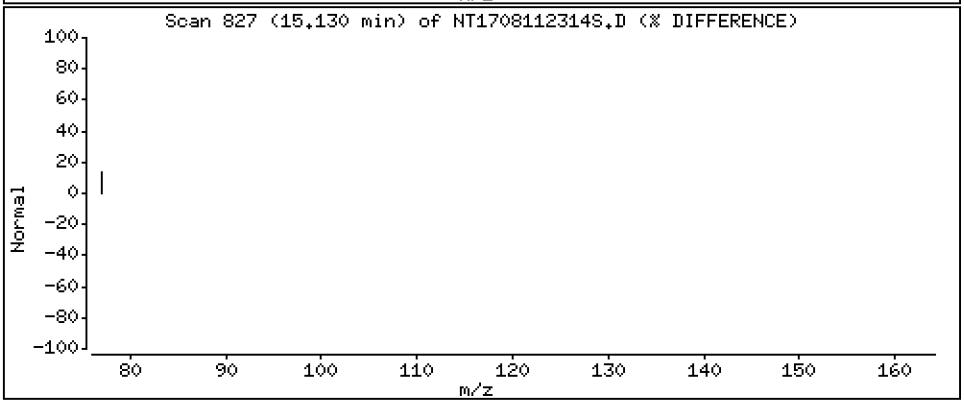












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

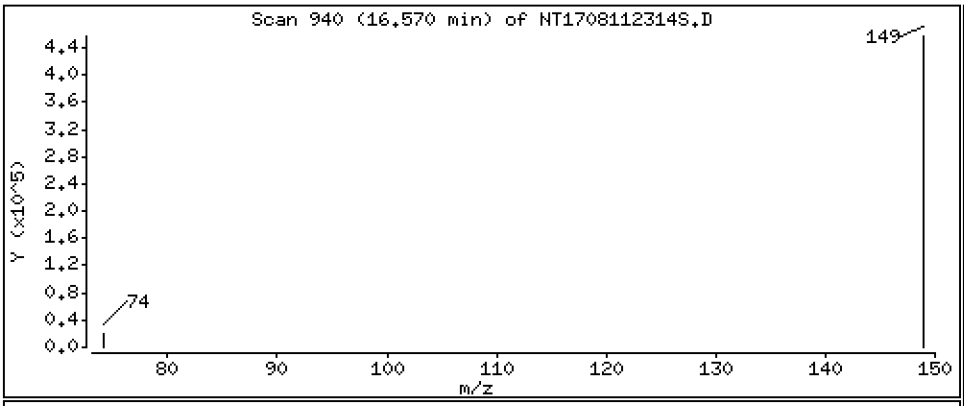
Operator: YZ

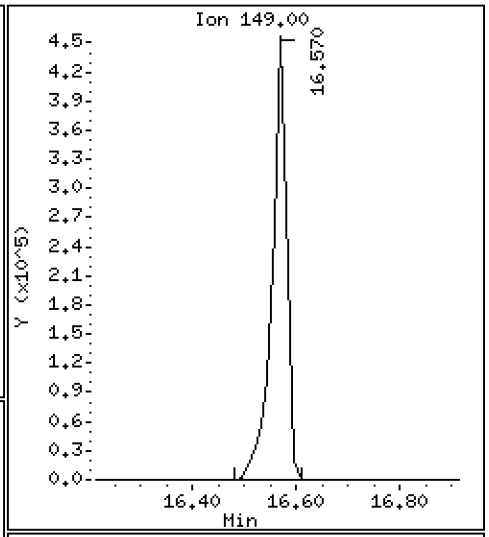
Column phase: ZB-5msi

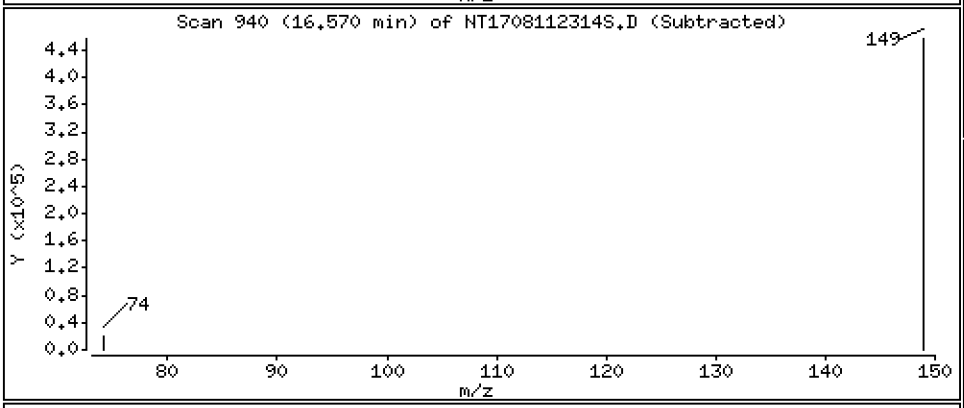
Column diameter: 0.25

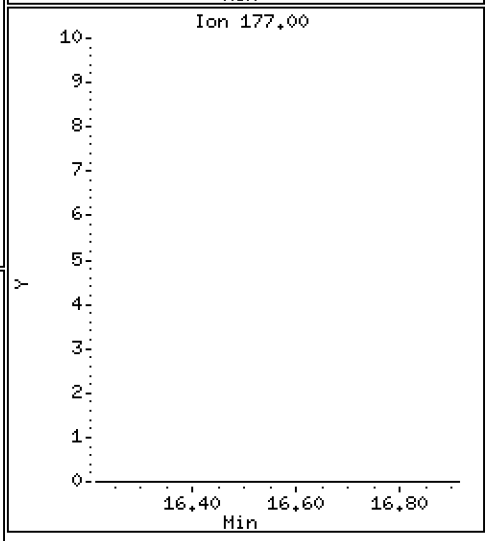
50 Diethylphthalate

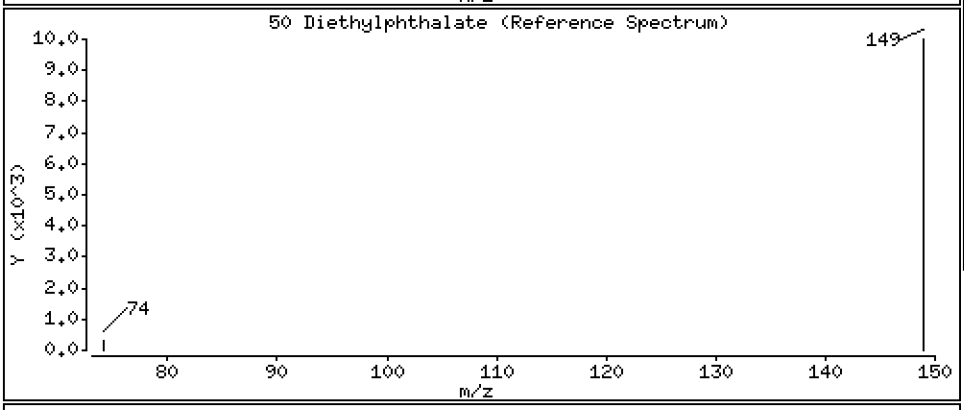
Concentration: 4.965 ug/mL

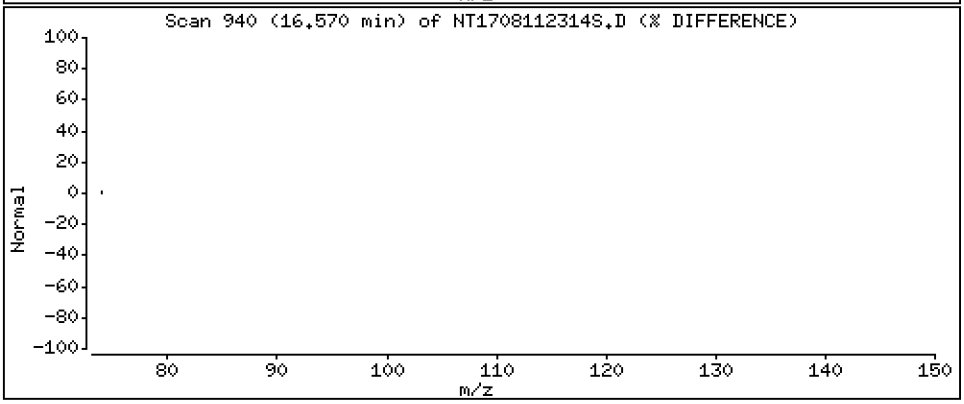












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

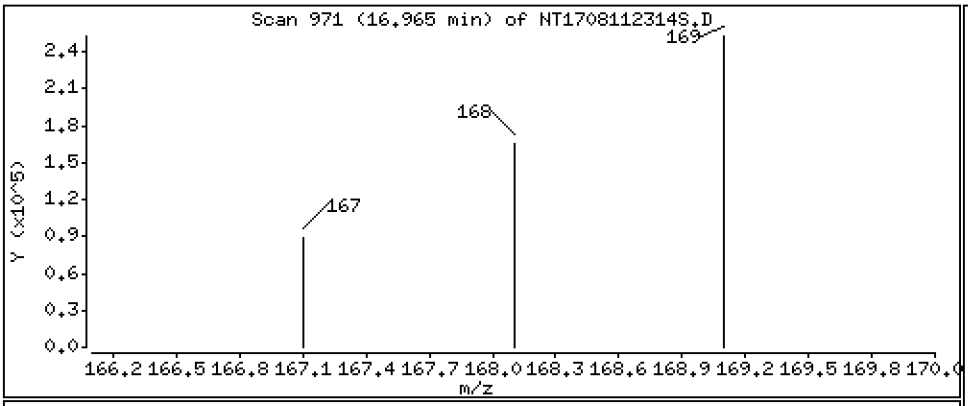
Operator: YZ

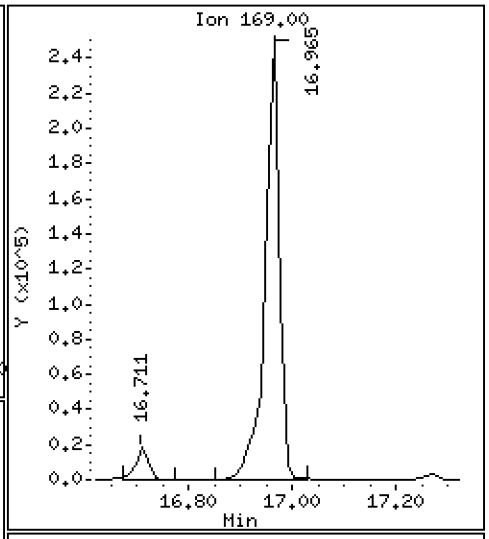
Column phase: ZB-5msi

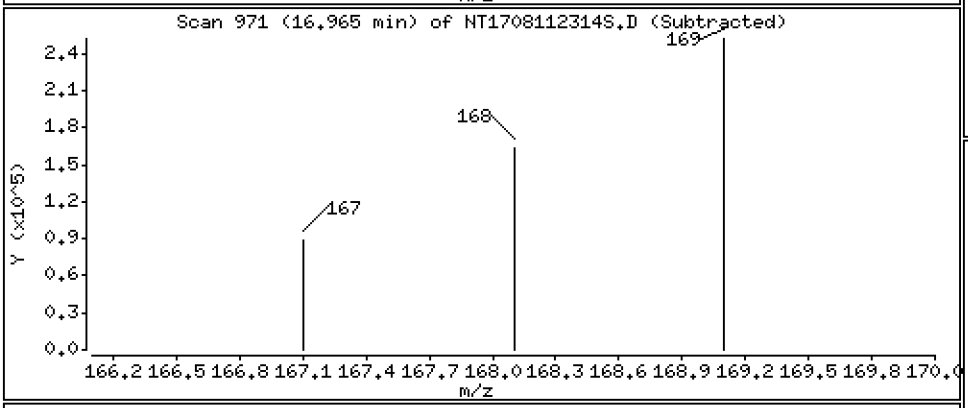
Column diameter: 0.25

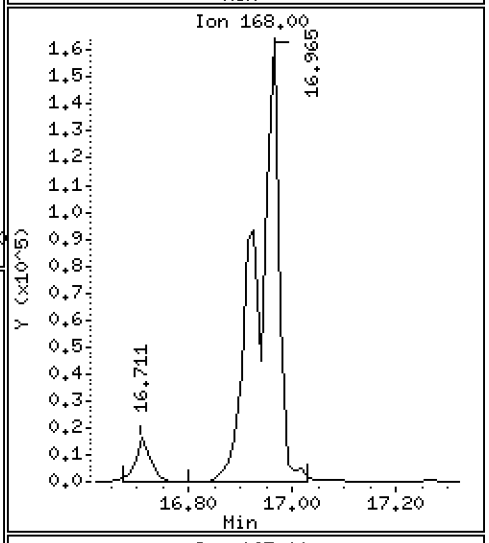
54 N-Nitrosodiphenylamine

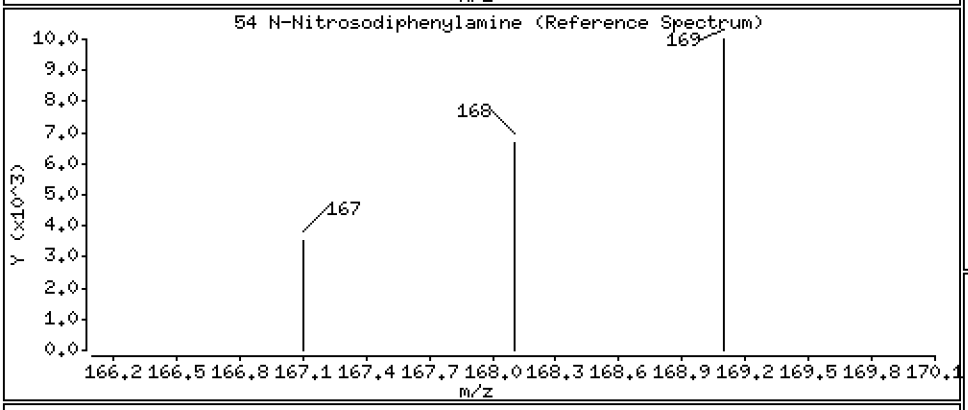
Concentration: 3.844 ug/mL

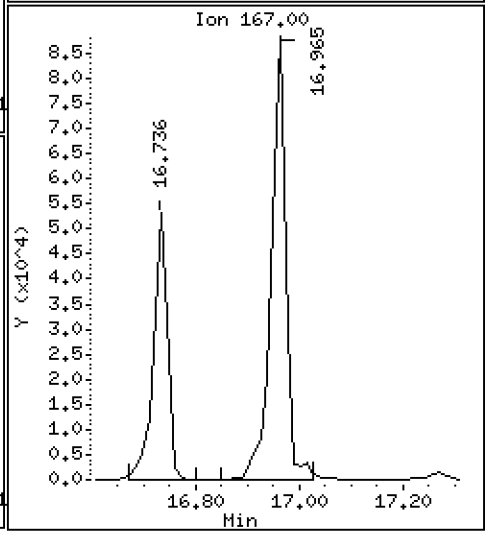


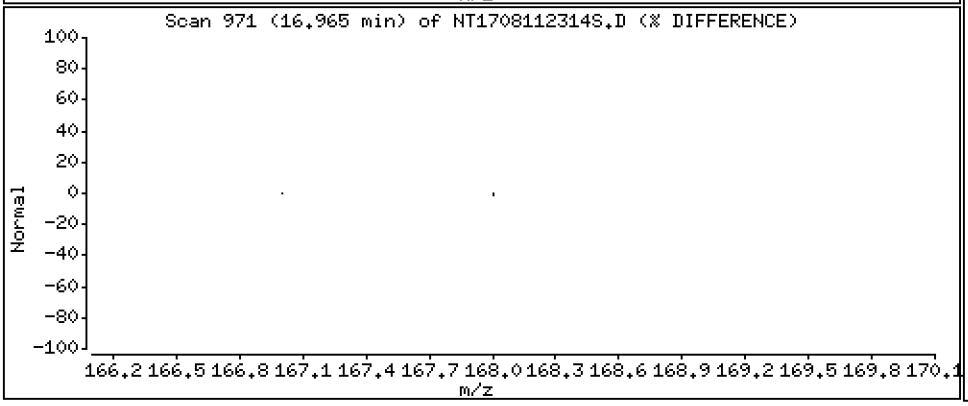












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

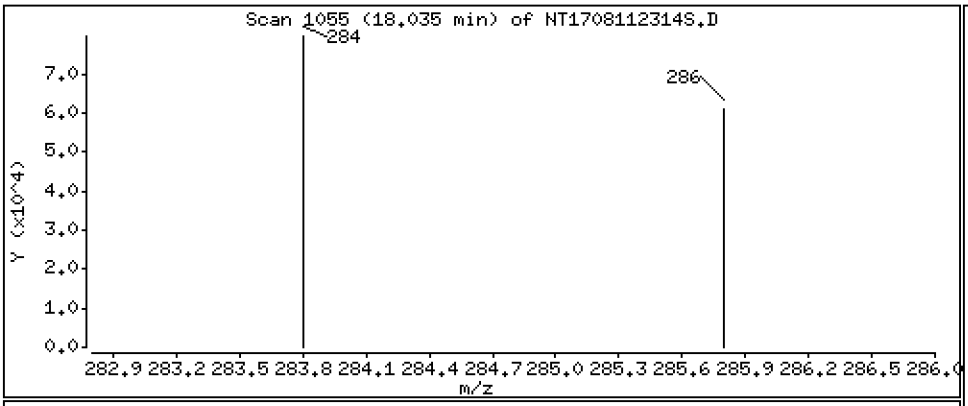
Operator: YZ

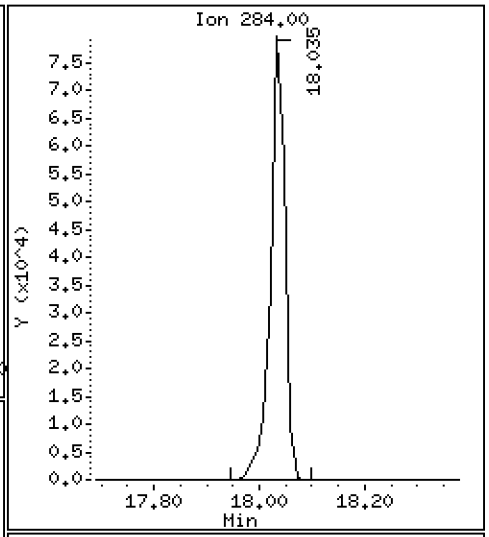
Column phase: ZB-5msi

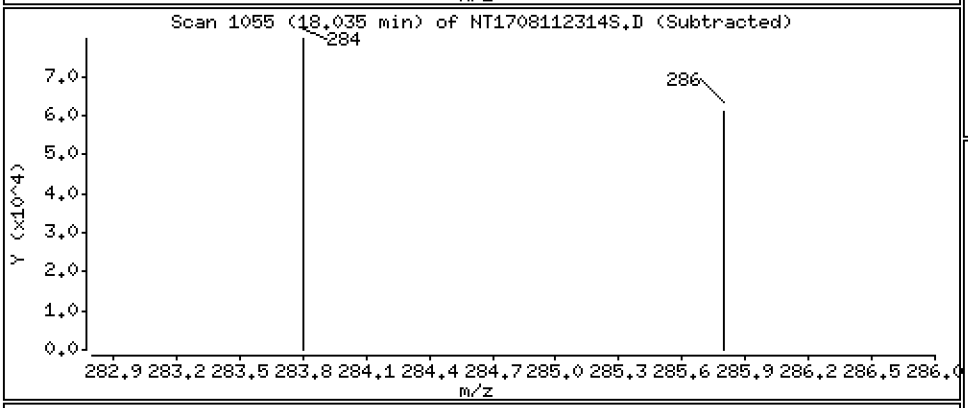
Column diameter: 0.25

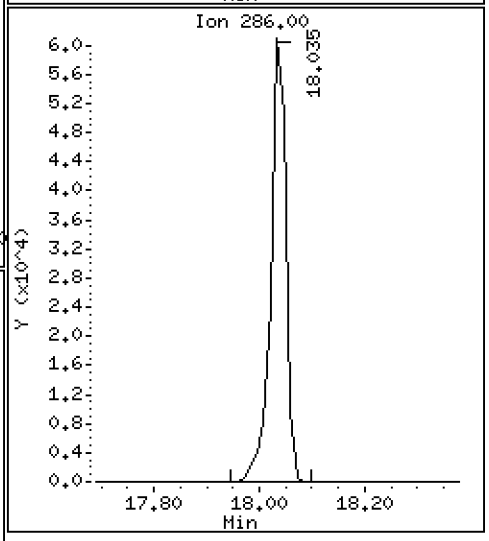
57 Hexachlorobenzene

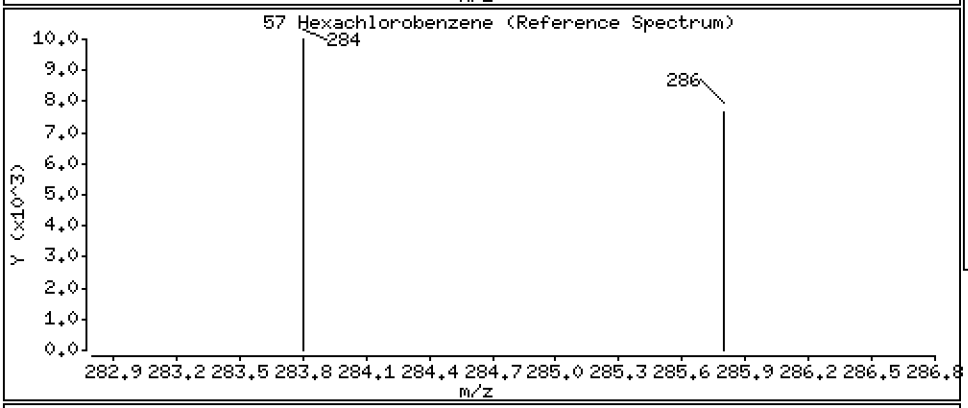
Concentration: 3.799 ug/mL

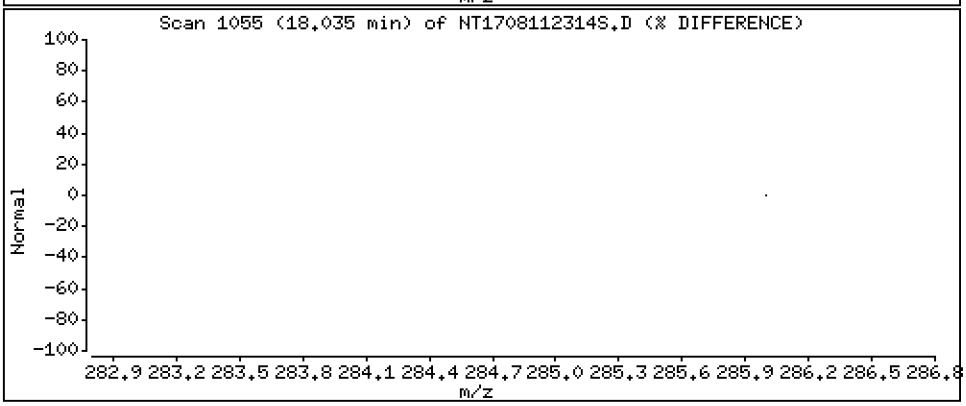












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

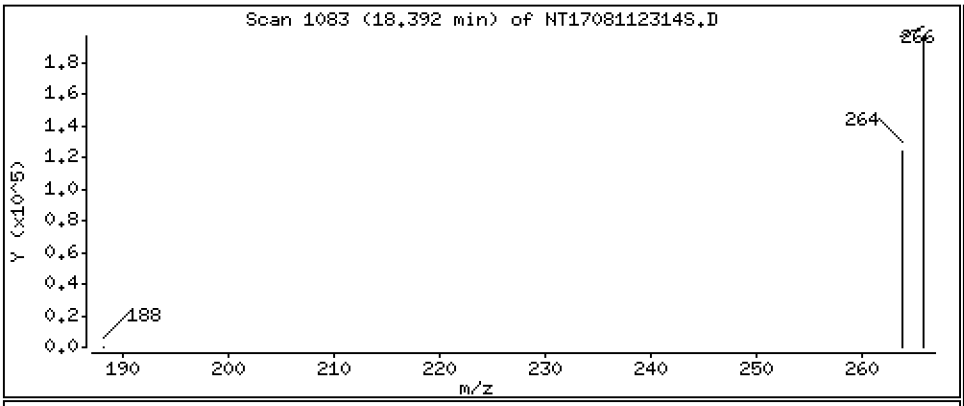
Operator: YZ

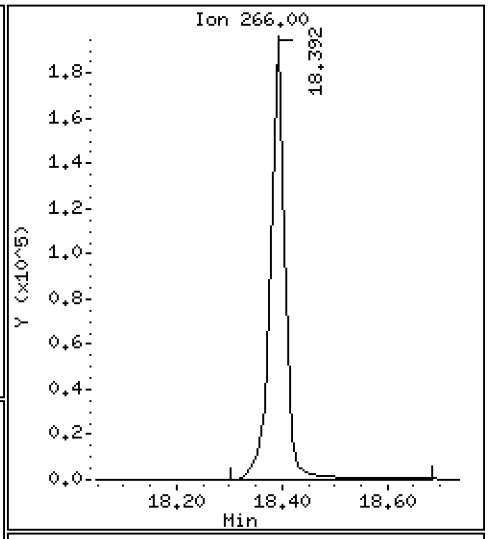
Column phase: ZB-5msi

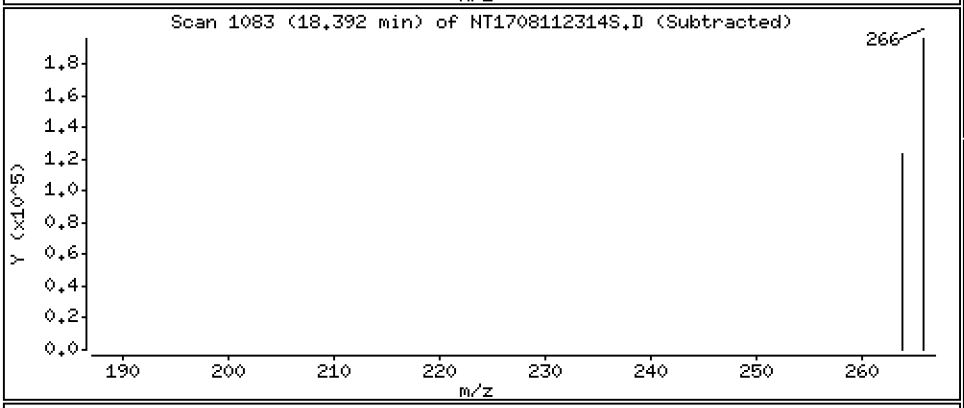
Column diameter: 0.25

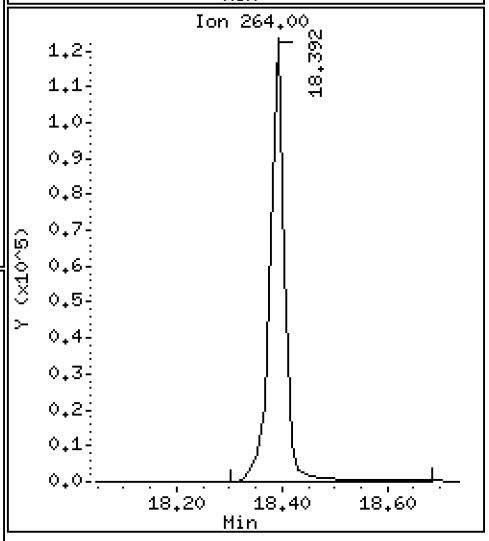
58 Pentachlorophenol

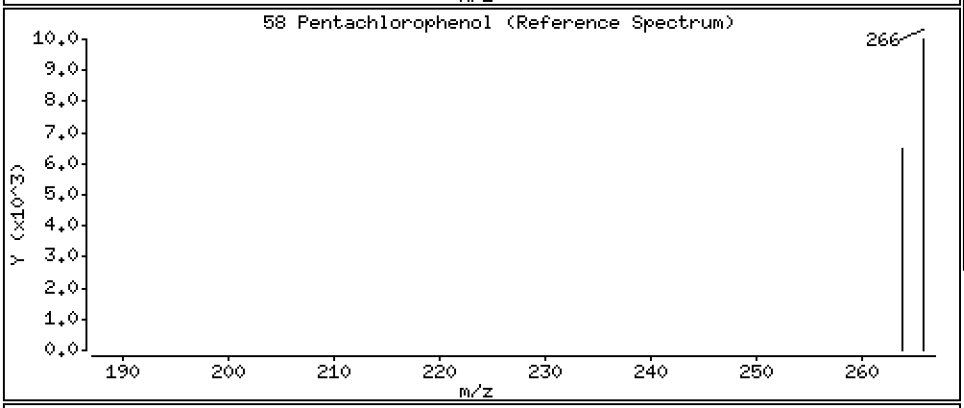
Concentration: 13.88 ug/mL

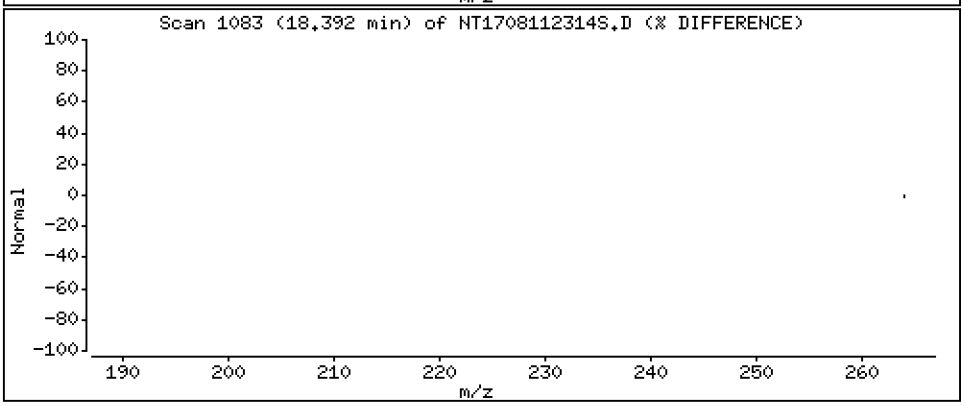












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112314S.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

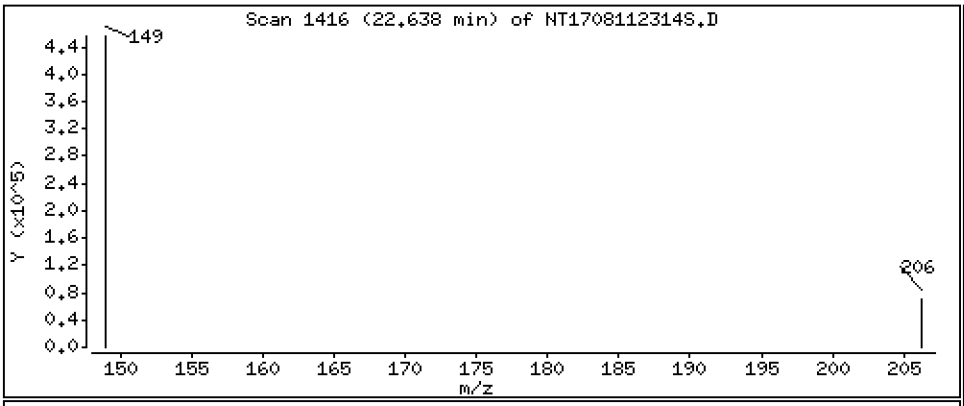
Operator: YZ

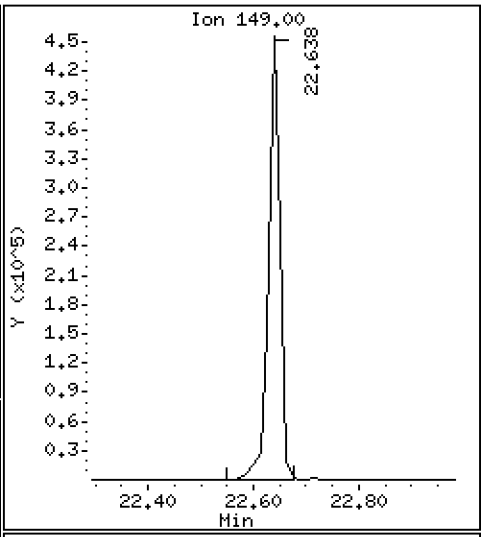
Column phase: ZB-5msi

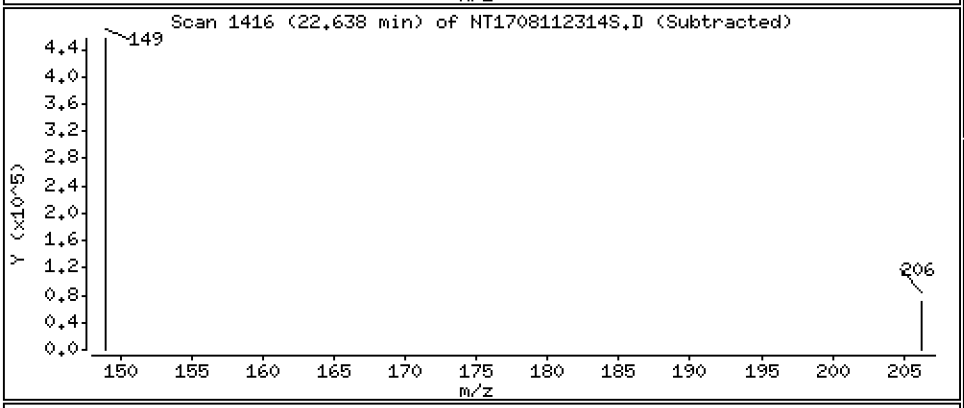
Column diameter: 0.25

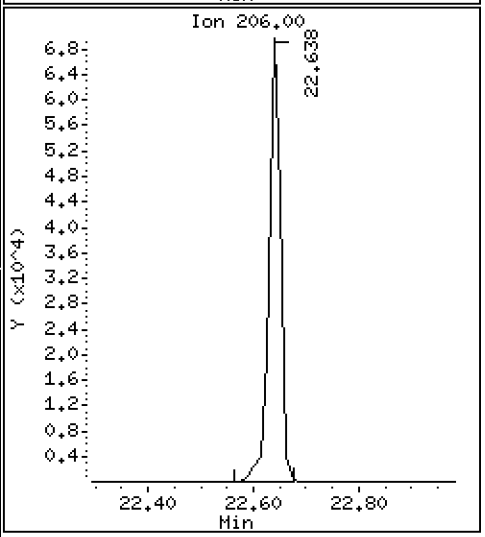
67 Butylbenzylphthalate

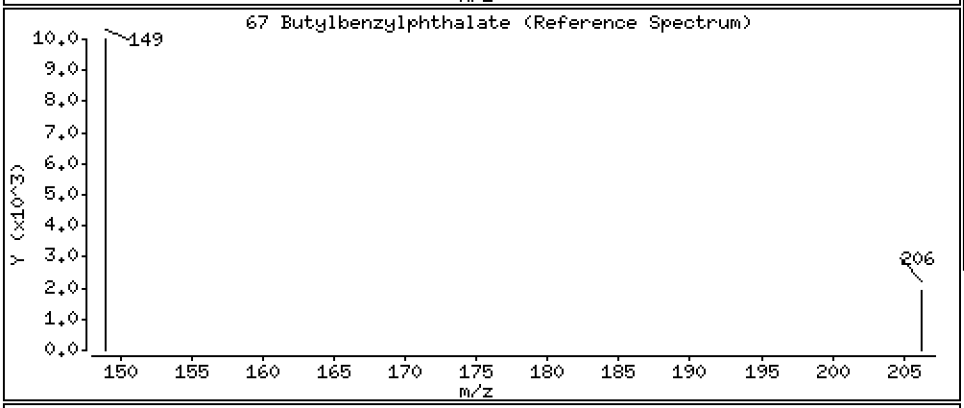
Concentration: 4.622 ug/mL

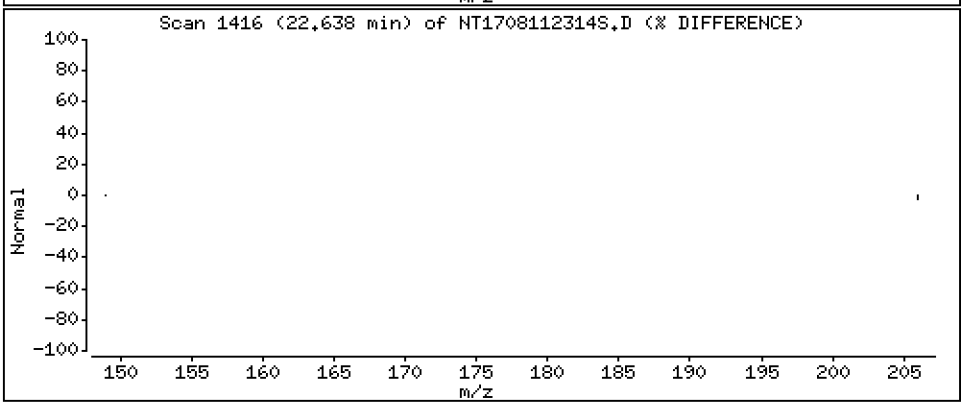












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112314S.D

Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

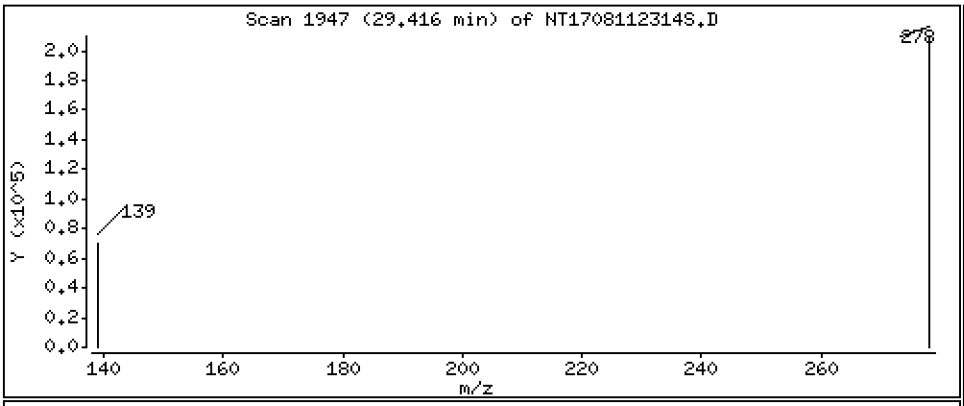
Operator: YZ

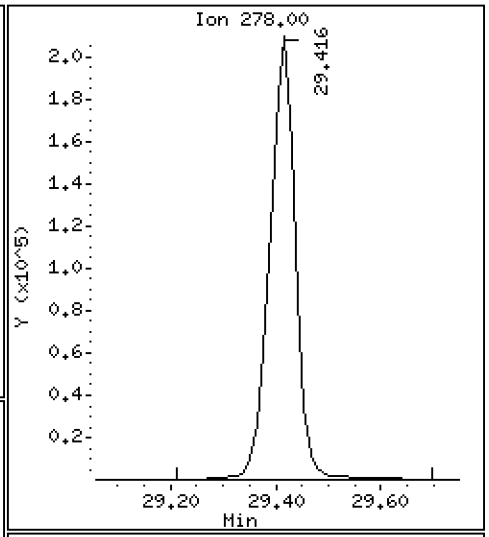
Column phase: ZB-5msi

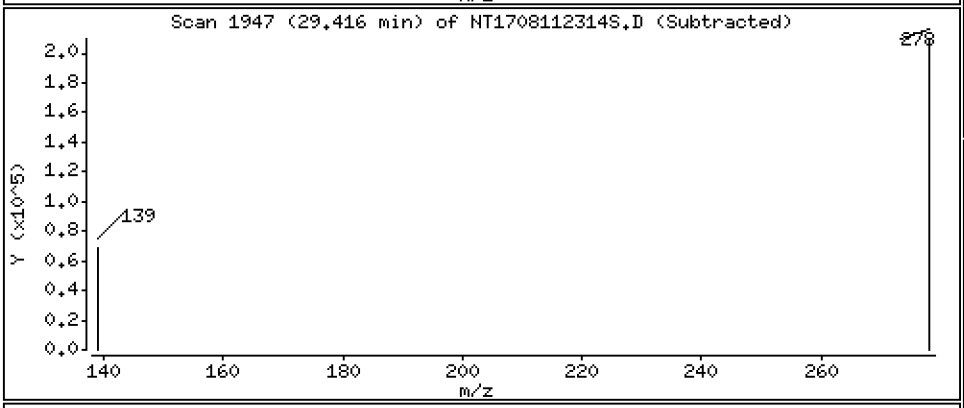
Column diameter: 0.25

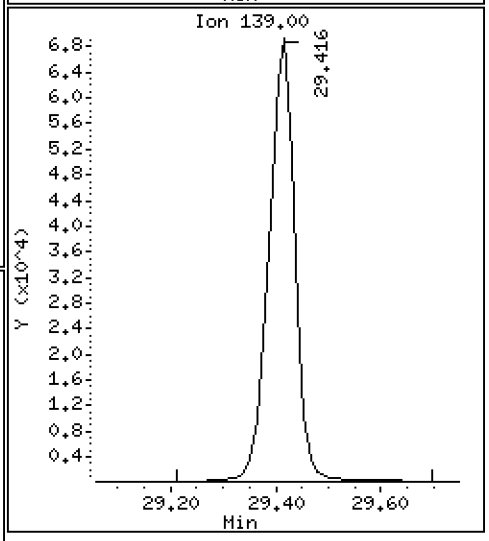
79 Dibenzo(a,h)anthracene

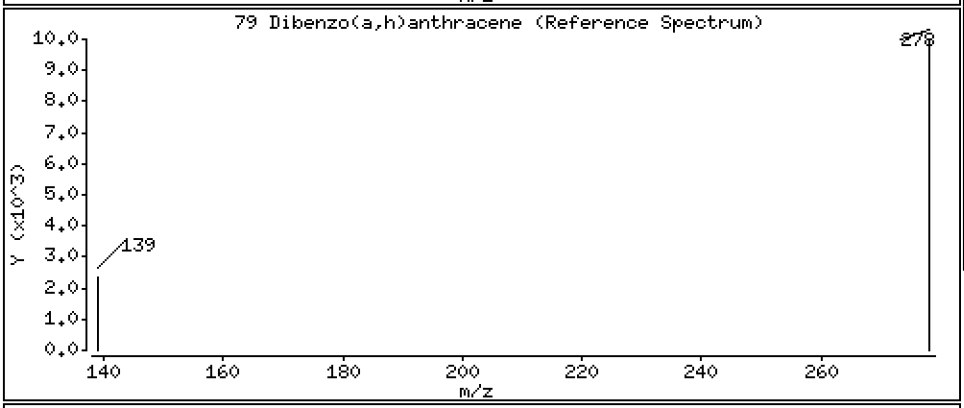
Concentration: 3.937 ug/mL

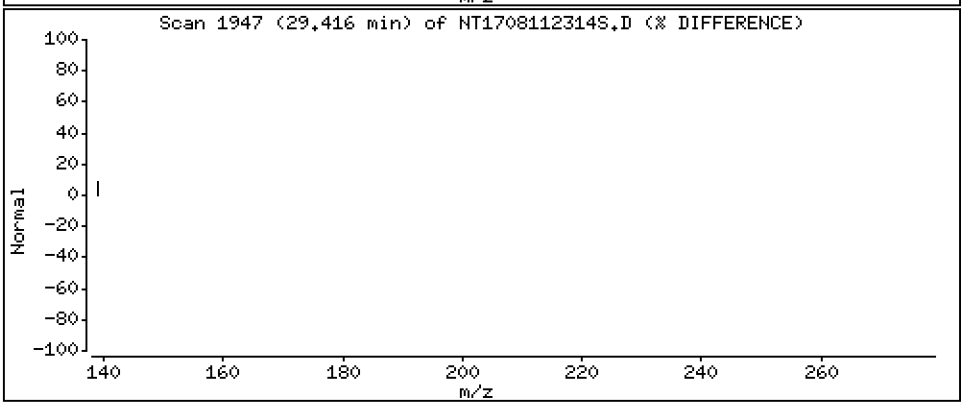












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Date : 11-AUG-2023 20:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-BSD1

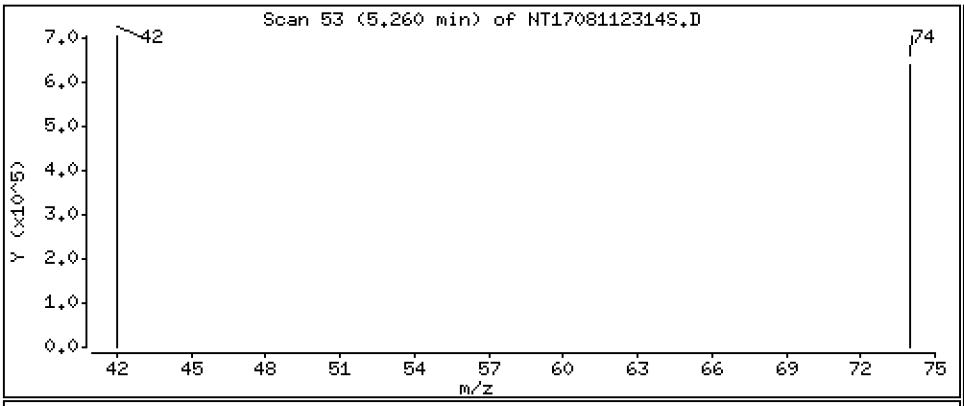
Operator: YZ

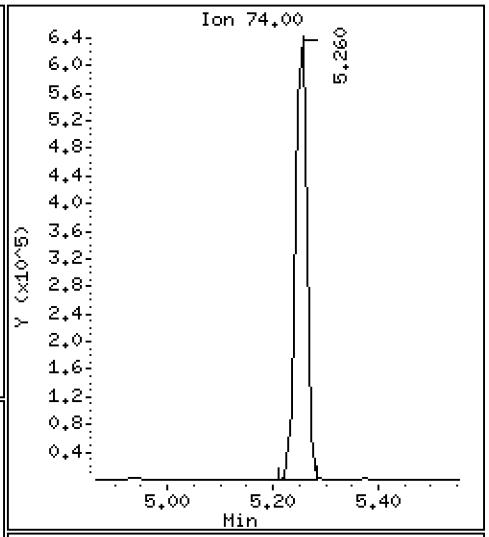
Column phase: ZB-5msi

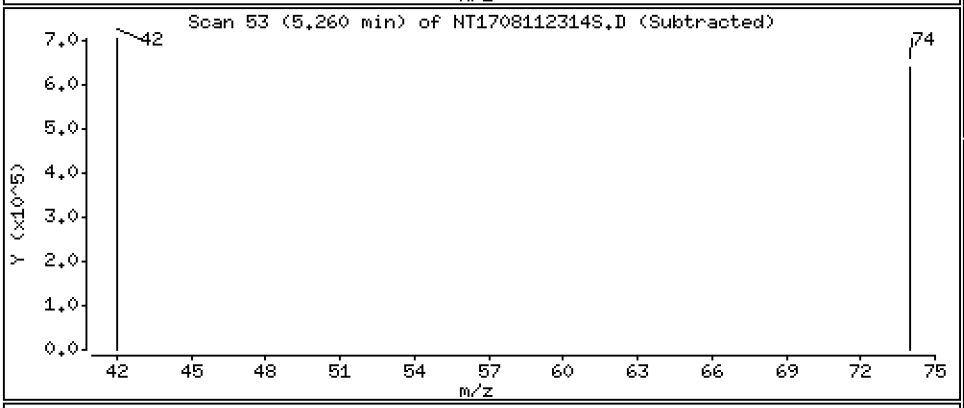
Column diameter: 0.25

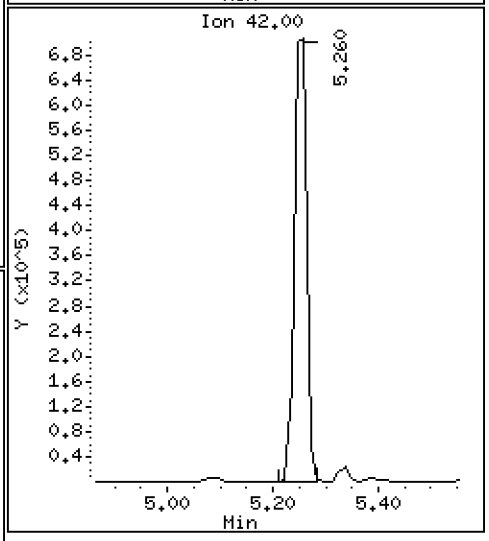
90 N-Nitrosodimethylamine

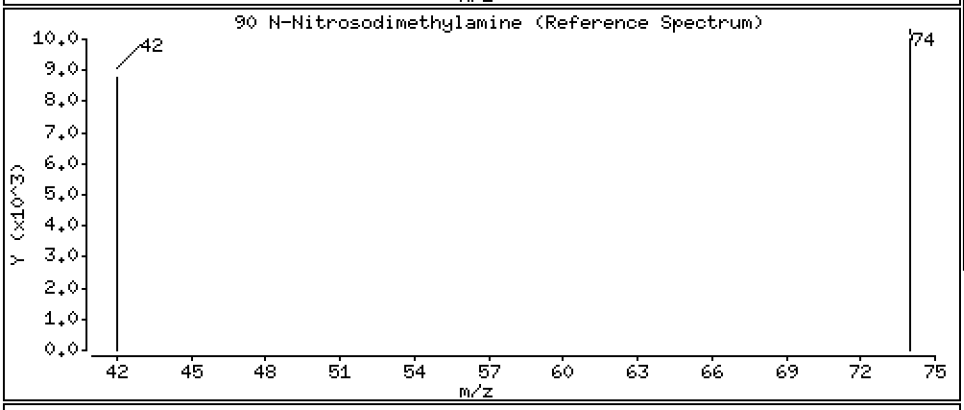
Concentration: 8.615 ug/mL

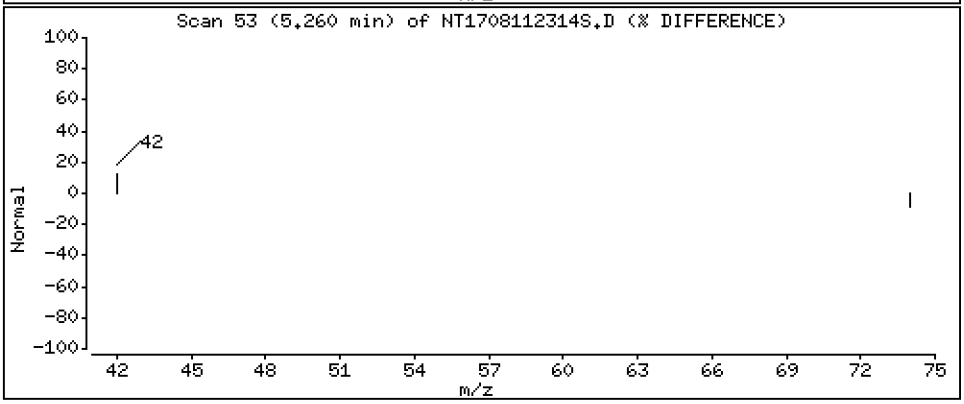












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112314S.D
Lab Smp Id: BLH0180-BSD1
Inj Date : 11-AUG-2023 20:20
Operator : YZ Inst ID: nt17.i
Smp Info : BLH0180-BSD1
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230811.b\SIM.b\SIMABN2.m
Meth Date : 16-Aug-2023 08:42 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

							CONCENTRATIONS	
		QUANT SIG					ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
$	1 2-Fluorophenol	112	7.311	7.298	(0.766)	635140	5.35278	5.353(R)
	3 Phenol	94	8.890	8.891	(0.932)	676179	3.73828	3.738
	7 1,3-Dichlorobenzene	146	9.477	9.477	(0.993)	392295	3.20632	3.206
*	8 1,4-Dichlorobenzene-d4	152	9.541	9.541	(1.000)	285765	4.00000	
	9 1,4-Dichlorobenzene	146	9.566	9.566	(1.003)	385101	3.25235	3.252
	11 Benzyl alcohol	79	9.796	9.796	(1.027)	508084	4.05840	4.058
	12 1,2-Dichlorobenzene	146	9.924	9.924	(1.040)	379973	3.30818	3.308
	13 2-Methylphenol	108	10.001	10.001	(1.048)	406759	3.70872	3.709
	15 4-Methylphenol	108	10.282	10.269	(1.078)	455474	3.97338	3.973
	16 N-Nitroso-di-n-propylamine	70	10.358	10.346	(1.086)	480841	4.10194	4.102
	22 2,4-Dimethylphenol	107	11.316	11.316	(0.942)	1172686	9.86402	9.864
	24 Benzoic acid	105	11.559	11.444	(0.962)	2264332	25.4676	25.47
	26 1,2,4-Trichlorobenzene	180	11.929	11.929	(0.993)	260528	3.20733	3.207
*	27 Naphthalene-d8	136	12.018	12.018	(1.000)	1184883	4.00000	
	30 Hexachlorobutadiene	225	12.413	12.413	(1.033)	130690	3.43556	3.436
	39 Dimethylphthalate	163	15.130	15.117	(0.967)	761291	4.43016	4.430
*	42 Acenaphthene-d10	162	15.640	15.627	(1.000)	528717	4.00000	
	50 Diethylphthalate	149	16.570	16.557	(1.059)	887145	4.96500	4.965
	54 N-Nitrosodiphenylamine	169	16.965	16.965	(0.909)	473766	3.84385	3.844
	57 Hexachlorobenzene	284	18.034	18.034	(0.966)	153427	3.79942	3.799
	58 Pentachlorophenol	266	18.391	18.391	(0.985)	380262	13.8764	13.88
*	59 Phenanthrene-d10	188	18.672	18.659	(1.000)	857321	4.00000	
$	66 Terphenyl-d14	244	21.732	21.745	(0.919)	359527	4.46458	4.465(R)
	67 Butylbenzylphthalate	149	22.638	22.638	(0.957)	713714	4.62199	4.622
*	69 Chrysene-d12	240	23.646	23.646	(1.000)	581930	4.00000	
*	77 Perylene-d12	264	26.452	26.452	(1.000)	613224	4.00000	
	79 Dibenzo(a,h)anthracene	278	29.416	29.403	(1.112)	713029	3.93666	3.937
	90 N-Nitrosodimethylamine	74	5.259	5.209	(0.551)	1040127	8.61477	8.615

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708112314S.D
Lab Smp Id: BLH0180-BSD1
Analysis Type: SV
Quant Type: ISTD
Operator: YZ
Method File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\SIMABN2.m
Misc Info:

Calibration Date: 11-AUG-2023
Calibration Time: 13:27
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	295324	147662	590648	285765	-3.24
27 Naphthalene-d8	1172715	586358	2345430	1184883	1.04
42 Acenaphthene-d10	521273	260637	1042546	528717	1.43
59 Phenanthrene-d10	837823	418912	1675646	857321	2.33
69 Chrysene-d12	615517	307759	1231034	581930	-5.46
77 Perylene-d12	594634	297317	1189268	613224	3.13

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.54	9.04	10.04	9.54	-0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	-0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.64	0.08
59 Phenanthrene-d10	18.66	18.16	19.16	18.67	0.07
69 Chrysene-d12	23.65	23.15	24.15	23.65	-0.00
77 Perylene-d12	26.45	25.95	26.95	26.45	-0.00

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

REVIEW SUMMARY FOR FILE - NT1708112314S.D

Lab ID: BLH0180-BSD1
nt17.i, 20230811.b\SIM.b\SIMABN2.m,   11-AUG-2023 20:20

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.962	0.952	0.0096	Benzoic acid
0.551	0.546	0.0053	N-Nitrosodimethylamine

RRT check based on Ccal File: SIM.b/NT1708112303S.D

On Column LOD for nt17.i, SIM.b\SIMABN2.m, PSDDA.sub = 0.0000

Exception: 1,2,4-Trichlorobenzene 0.0010

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

LCS / LCS DUPLICATE RECOVERY

EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Matrix:	Solid	Analyzed:	08/17/23 23:20
Batch:	BLH0329	Laboratory ID:	BLH0329-BS1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	LCS
Initial/Final:	10 g / 1 mL		

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	Q	LCS % REC. #	QC LIMITS REC.
1,4-Dichlorobenzene	500.00	344		68.7	36 - 120
1,2-Dichlorobenzene	500.00	349		69.8	36 - 120
Benzyl Alcohol	500.00	426		85.2	25 - 123
Benzoic acid	2300.0	2530		110	10 - 160
2,4-Dimethylphenol	1300.0	1160		88.9	10 - 120
1,2,4-Trichlorobenzene	500.00	342		68.5	35 - 120
N-Nitrosodiphenylamine	500.00	408		81.7	27 - 120
Pentachlorophenol	1300.0	1380	Q	106	26 - 120

* Indicates values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Matrix:	Solid	Analyzed:	08/17/23 23:57
Batch:	BLH0329	Laboratory ID:	BLH0329-BSD1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	LCS Dup
Initial/Final:	10 g / 1 mL		

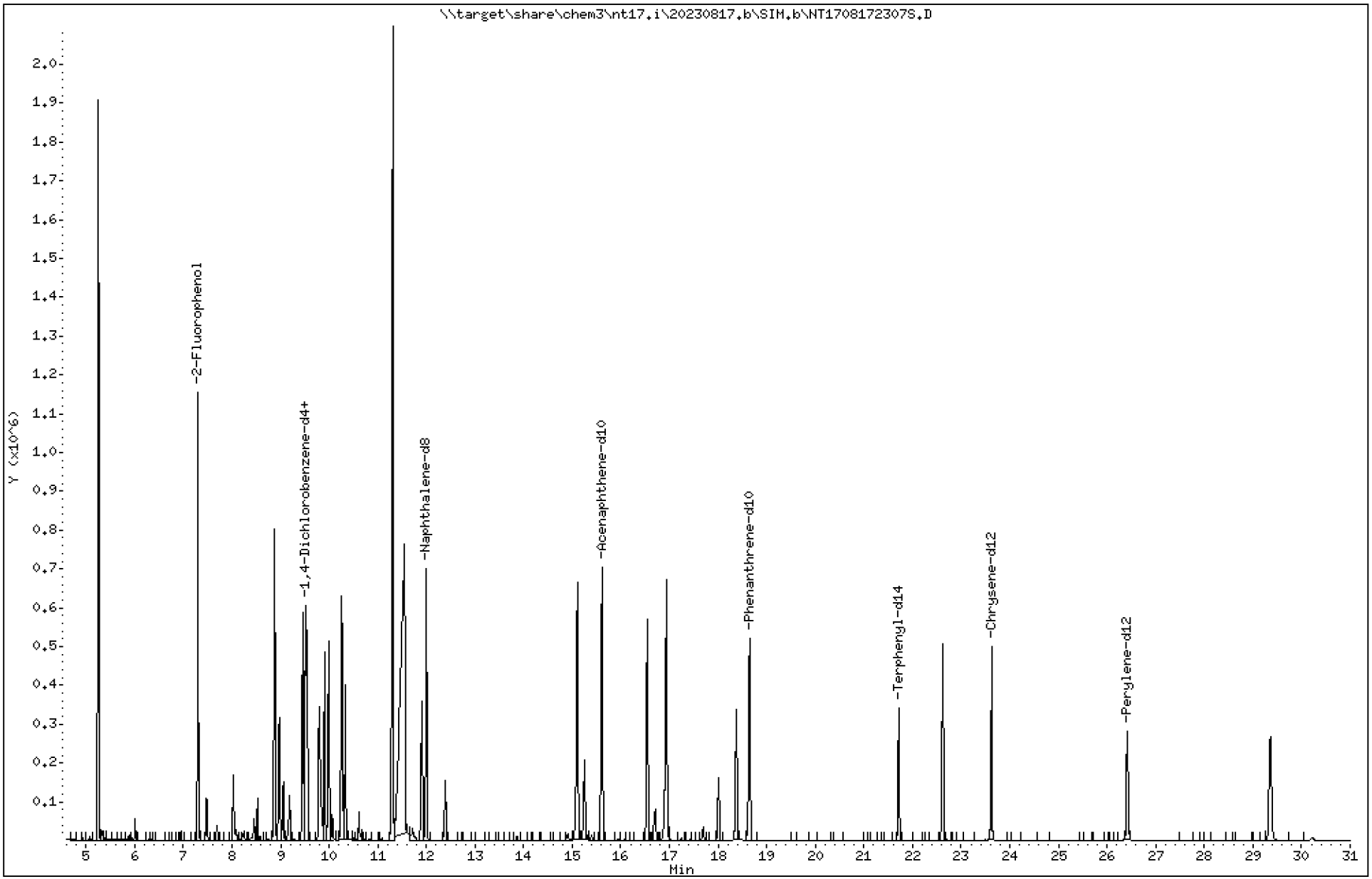
COMPOUND	SPIKE ADDED (ug/kg wet)	LCSD CONCENTRATION (ug/kg wet)	Q	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,4-Dichlorobenzene	500.00	357		71.4	3.85	30	36 - 120
1,2-Dichlorobenzene	500.00	362		72.5	3.78	30	36 - 120
Benzyl Alcohol	500.00	405		80.9	5.08	30	25 - 123
Benzoic acid	2300.0	2610		113	3.11	30	10 - 160
2,4-Dimethylphenol	1300.0	1190		91.2	2.58	30	10 - 120
1,2,4-Trichlorobenzene	500.00	350		70.0	2.17	30	35 - 120
N-Nitrosodiphenylamine	500.00	427		85.4	4.42	30	27 - 120
Pentachlorophenol	1300.0	1460	Q	112	5.41	30	26 - 120

* Indicates values outside of QC limits

Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT17081723075.D
Date : 17-AUG-2023 23:20
Client ID:
Sample Info: BLH0329-BS1

Instrument: nt17.i
Operator: JGR
Column diameter: 0.25

Column phase: ZB-5msi



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Date : 17-AUG-2023 23:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BS1

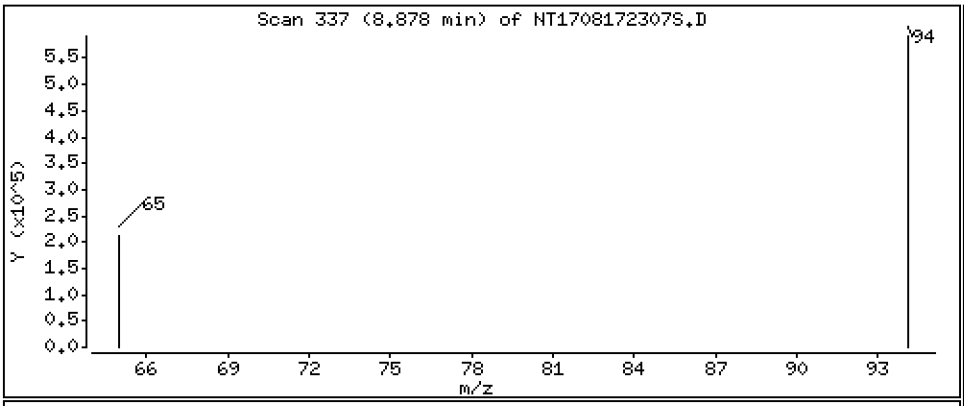
Operator: JGR

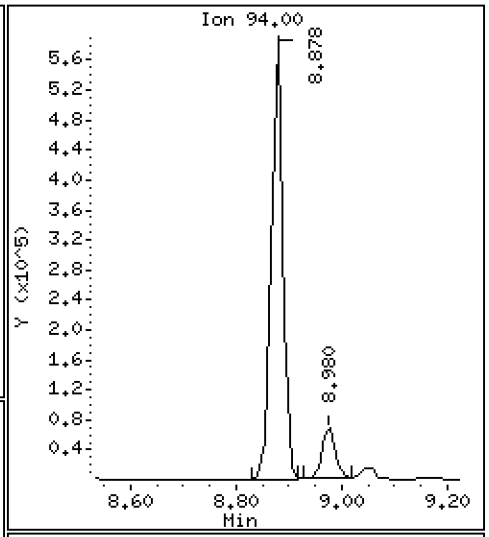
Column phase: ZB-5msi

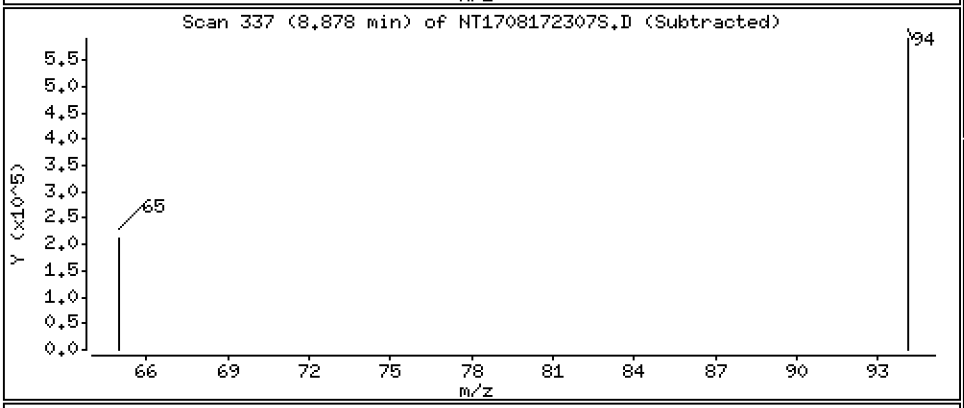
Column diameter: 0.25

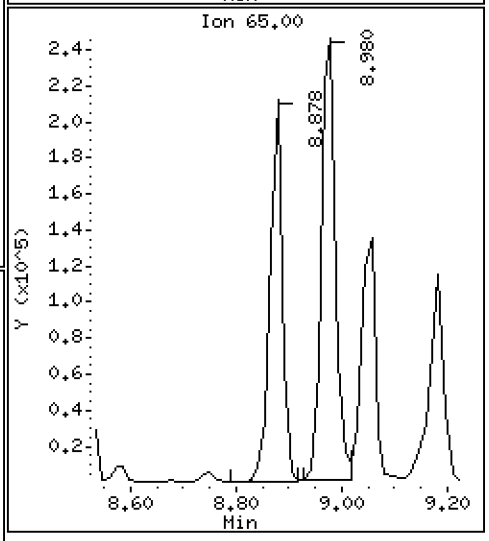
3 Phenol

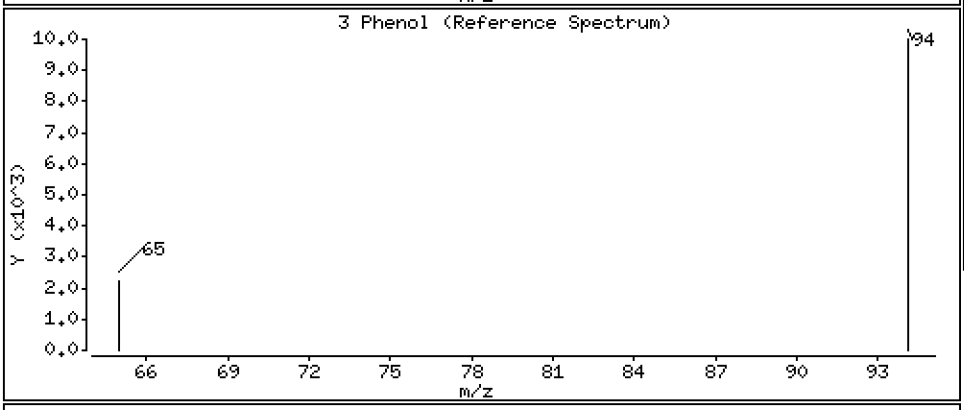
Concentration: 3.957 ug/mL

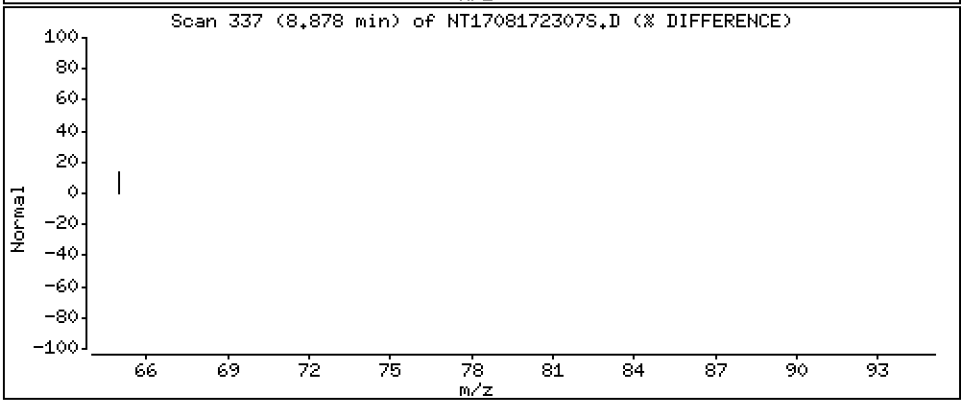












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172307S.D

Date : 17-AUG-2023 23:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BS1

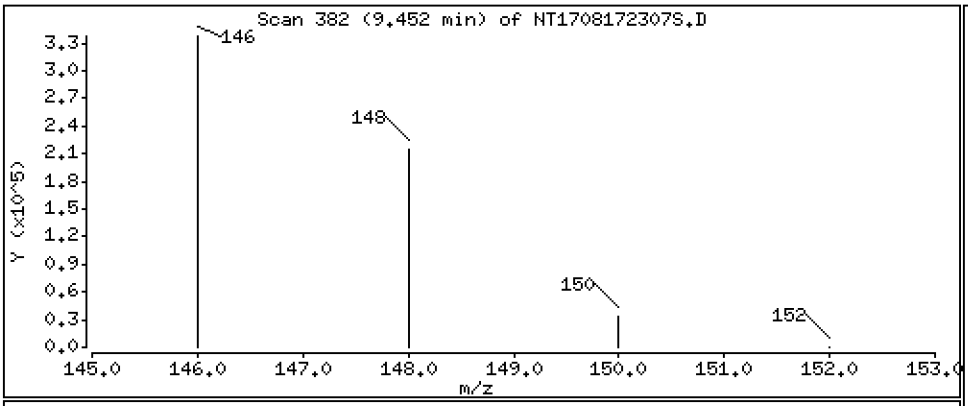
Operator: JGR

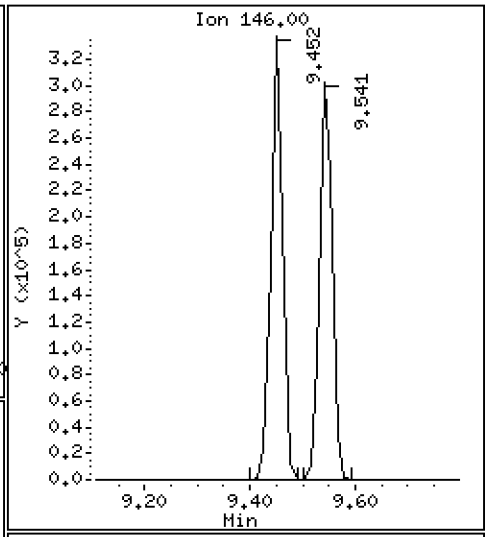
Column phase: ZB-5msi

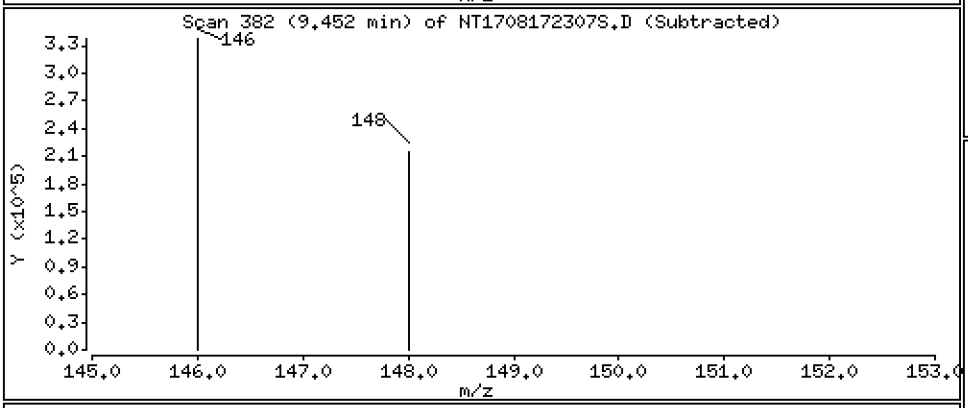
Column diameter: 0.25

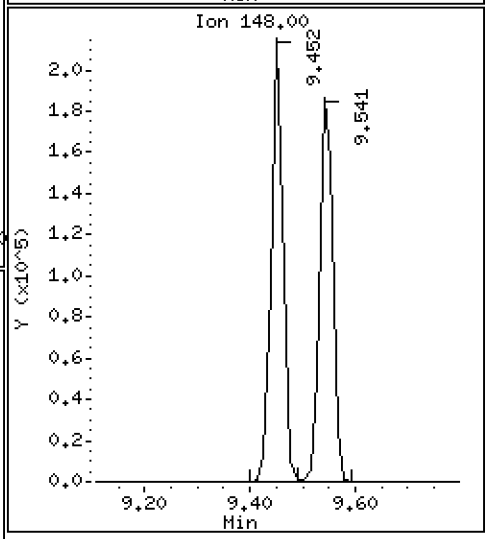
7 1,3-Dichlorobenzene

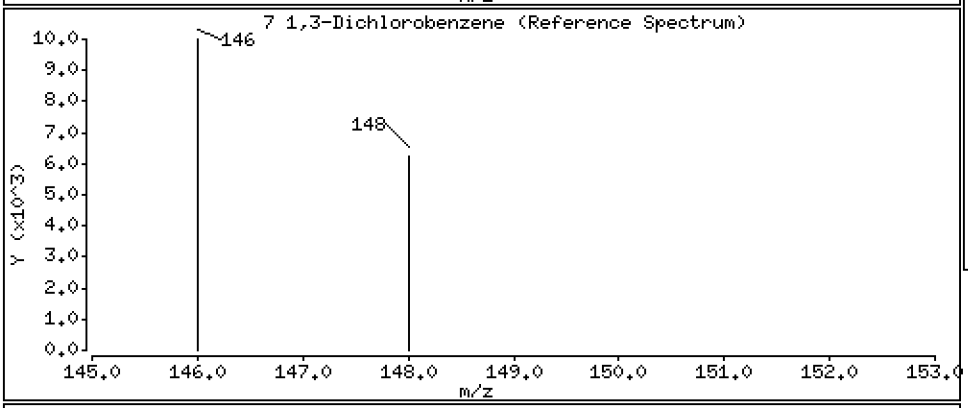
Concentration: 3.401 ug/mL

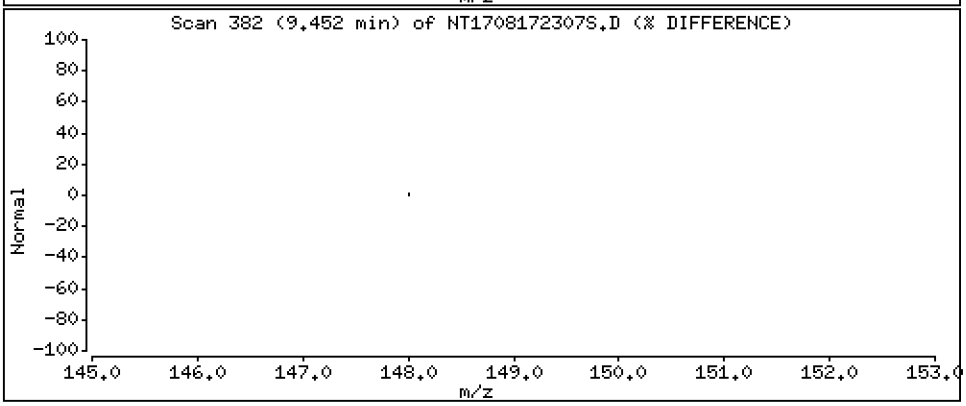












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Date : 17-AUG-2023 23:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BS1

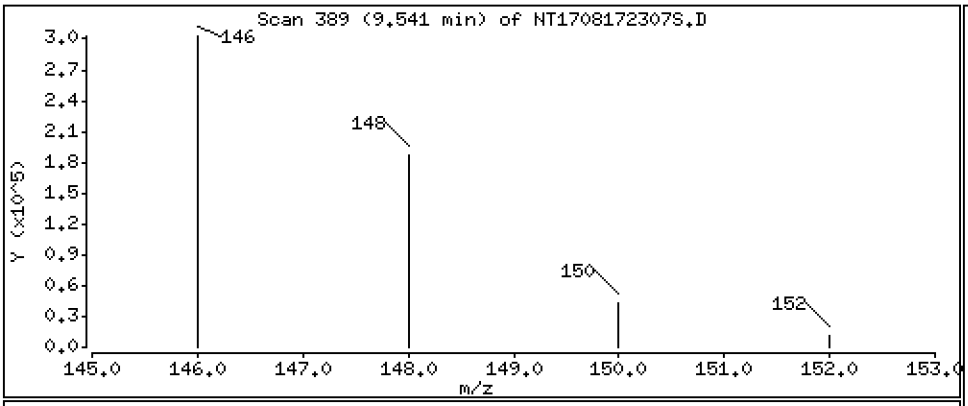
Operator: JGR

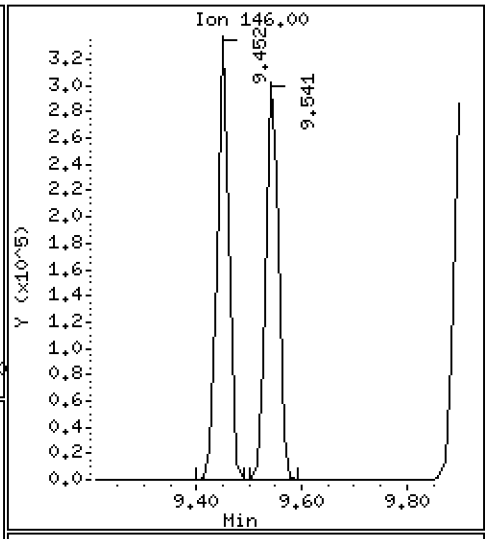
Column phase: ZB-5msi

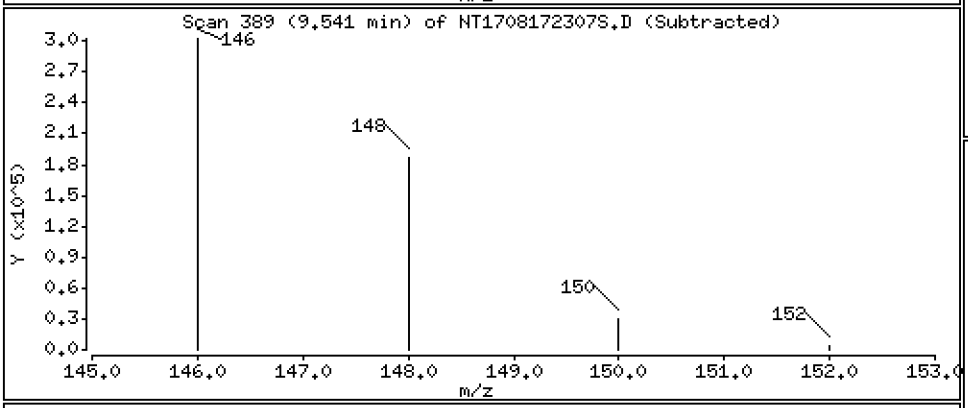
Column diameter: 0.25

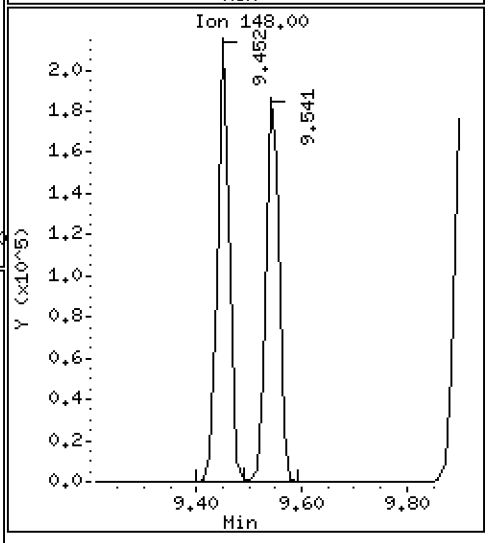
9 1,4-Dichlorobenzene

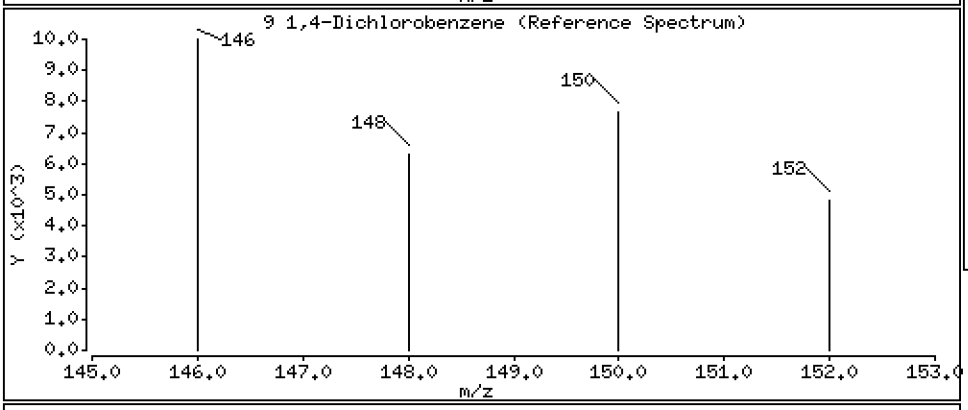
Concentration: 3.435 ug/mL

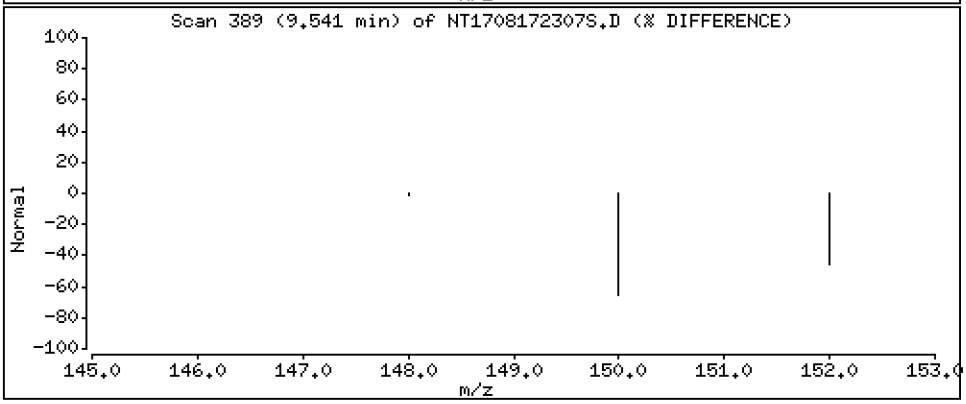












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Date : 17-AUG-2023 23:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BS1

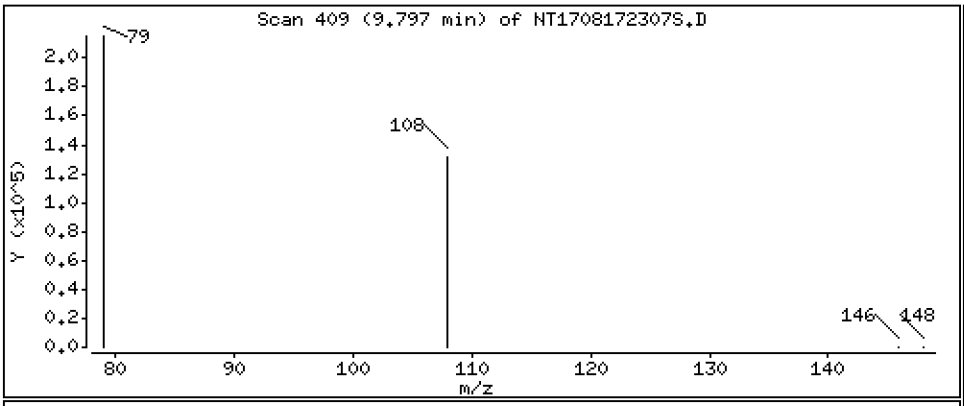
Operator: JGR

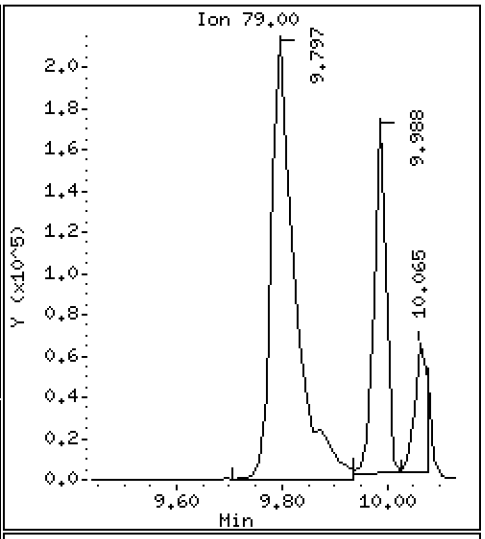
Column phase: ZB-5msi

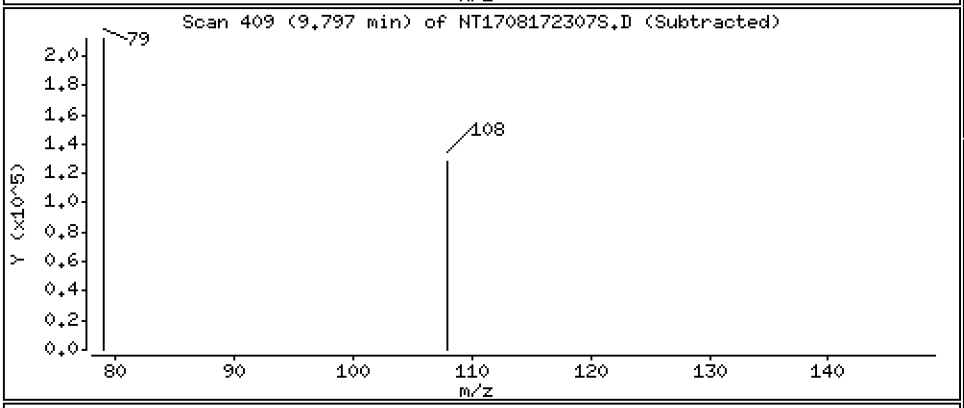
Column diameter: 0.25

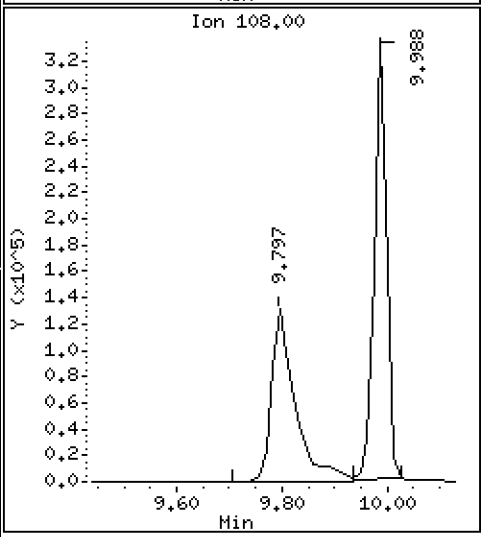
11 Benzyl alcohol

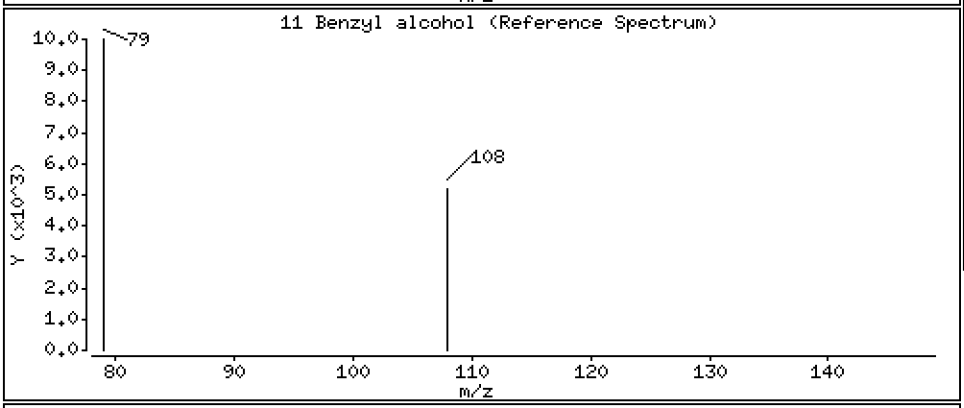
Concentration: 4.258 ug/mL

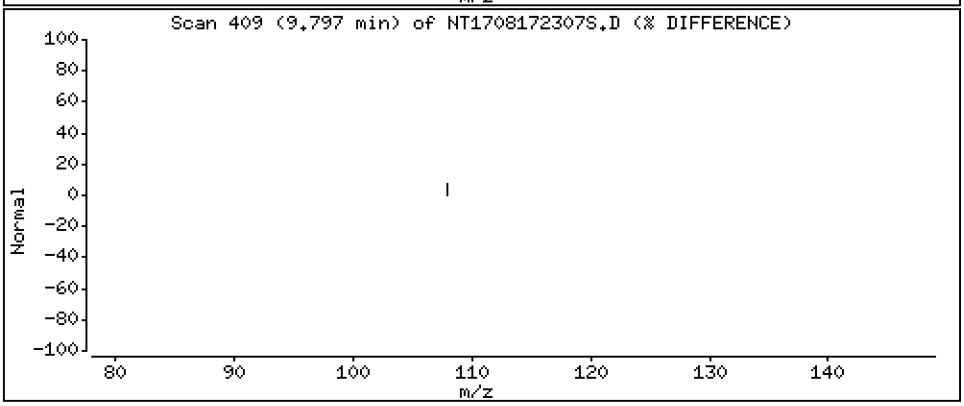












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Date : 17-AUG-2023 23:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BS1

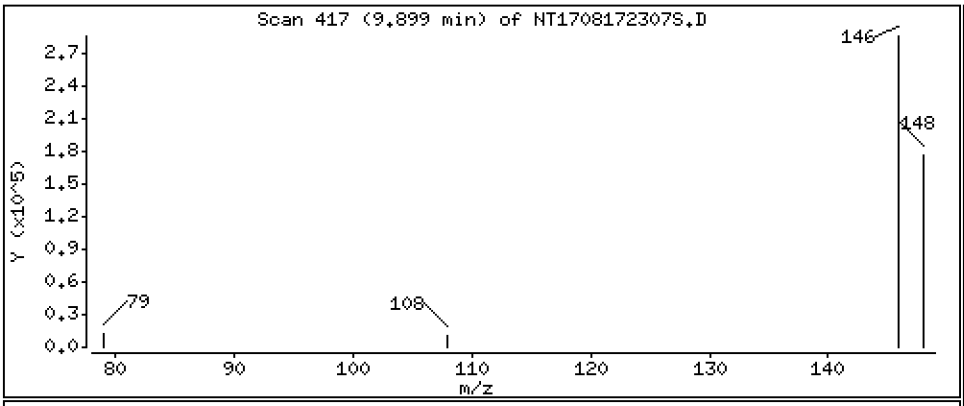
Operator: JGR

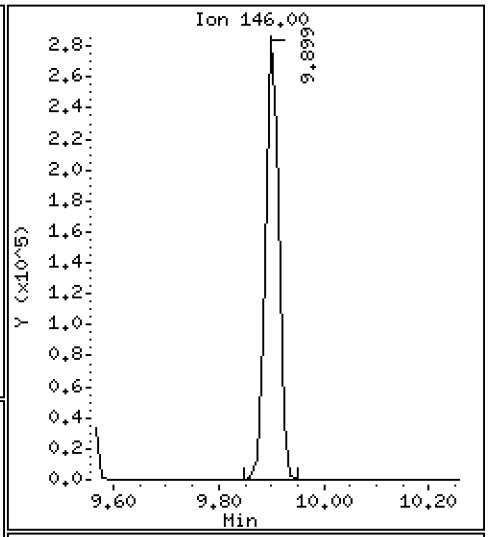
Column phase: ZB-5msi

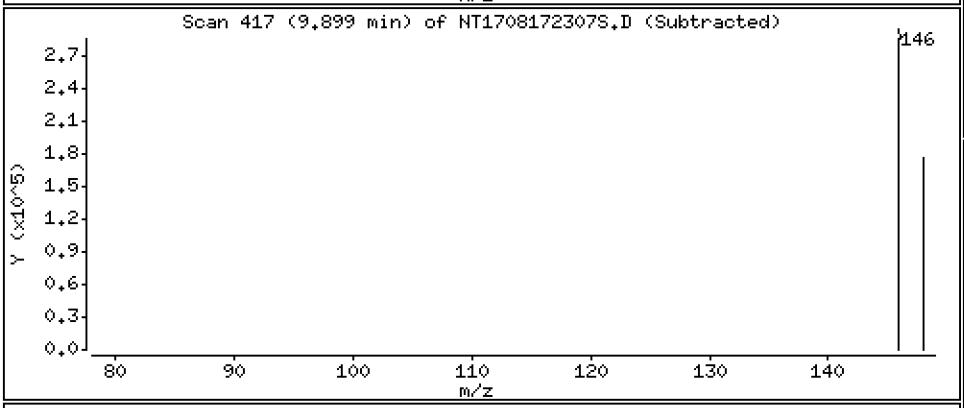
Column diameter: 0.25

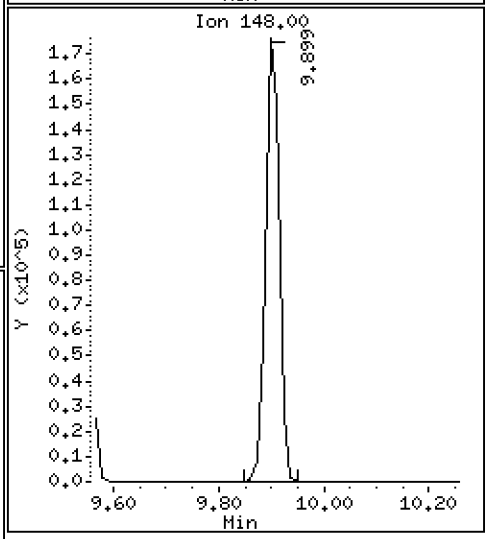
12 1,2-Dichlorobenzene

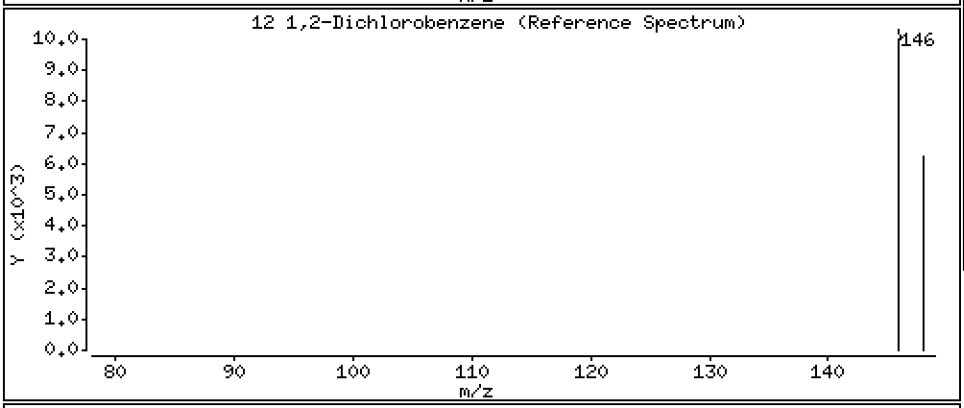
Concentration: 3.490 ug/mL

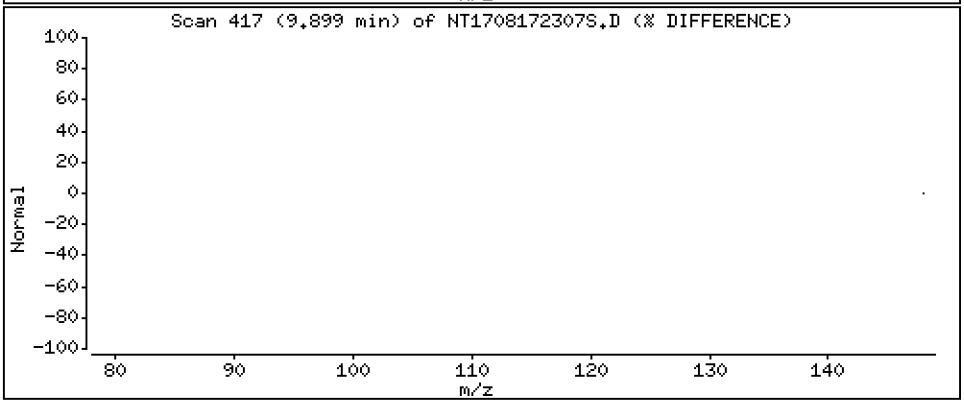












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Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BS1

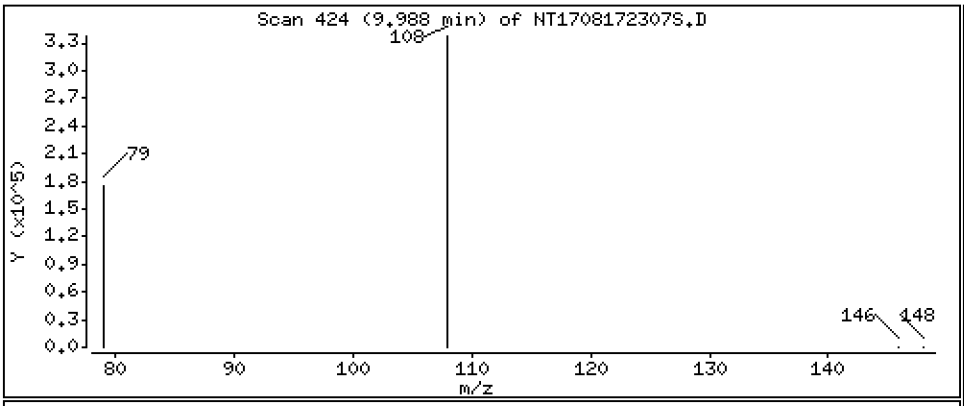
Operator: JGR

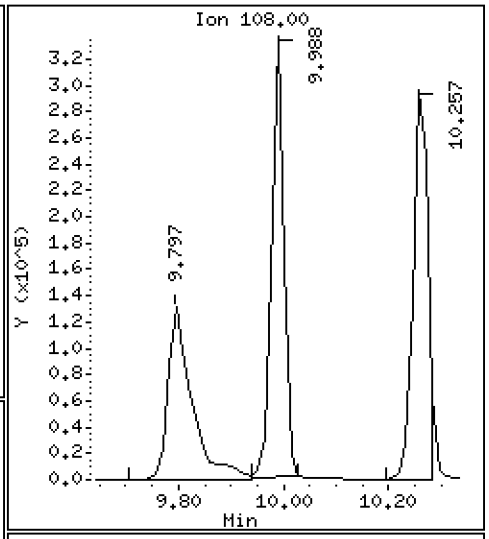
Column phase: ZB-5msi

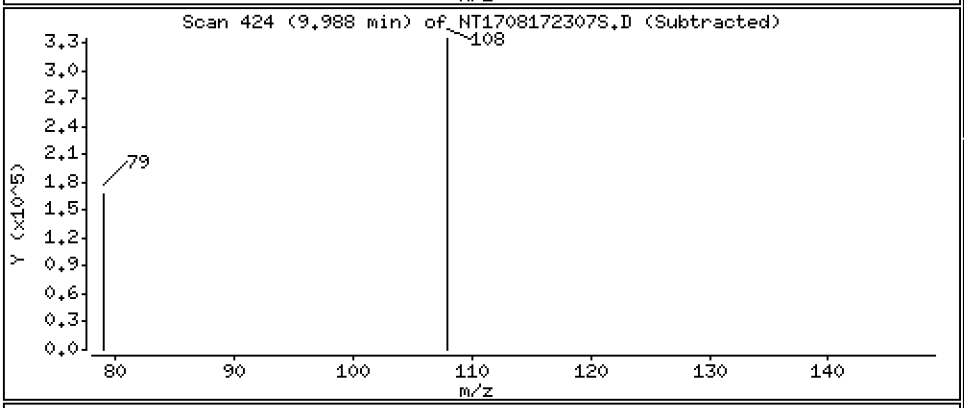
Column diameter: 0.25

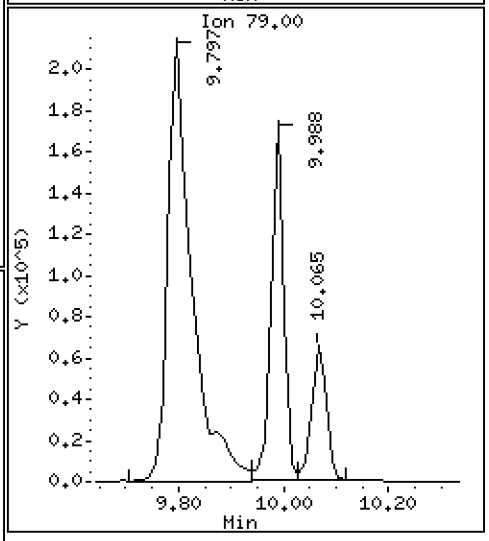
13 2-Methylphenol

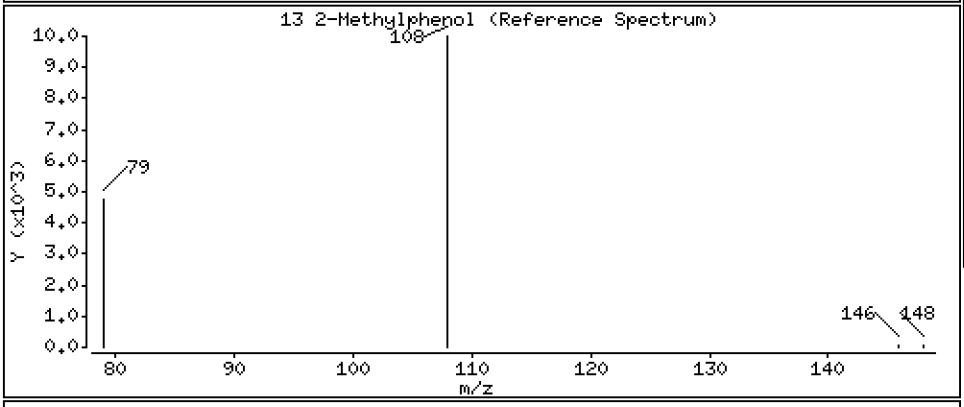
Concentration: 3.897 ug/mL

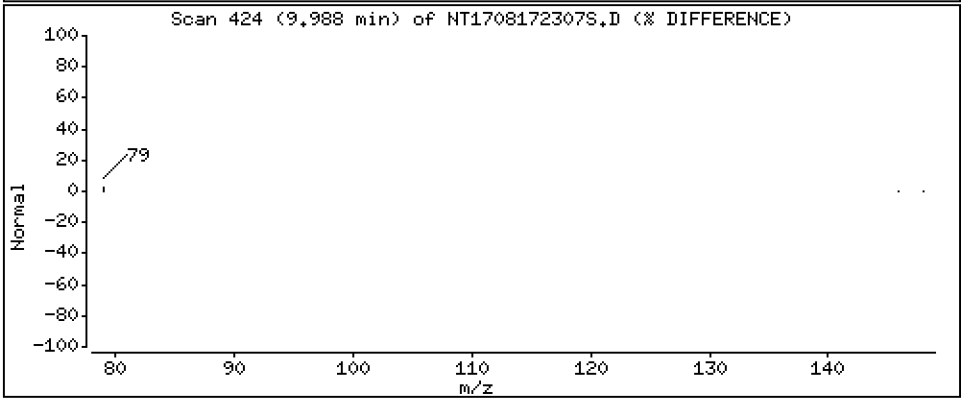












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Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BS1

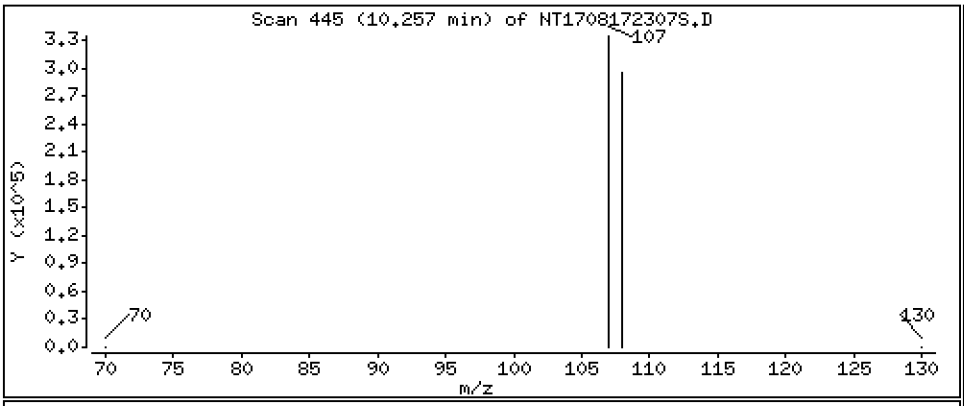
Operator: JGR

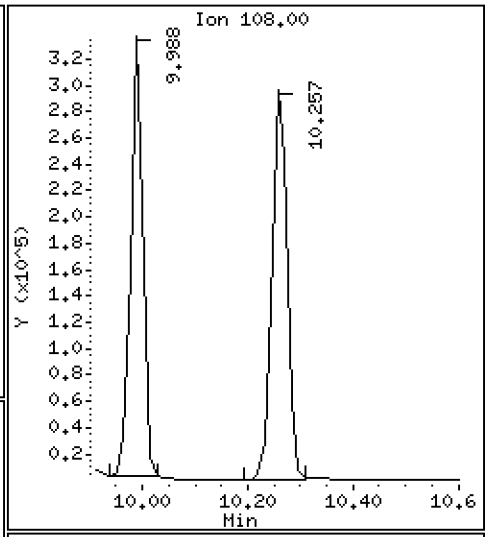
Column phase: ZB-5msi

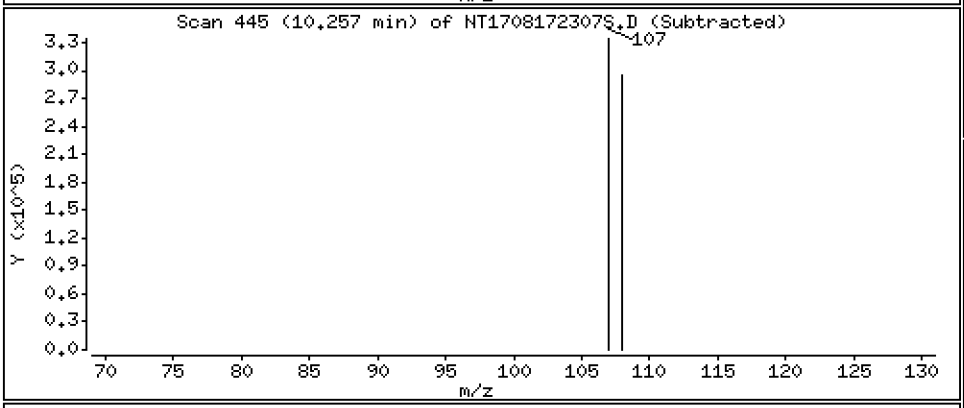
Column diameter: 0.25

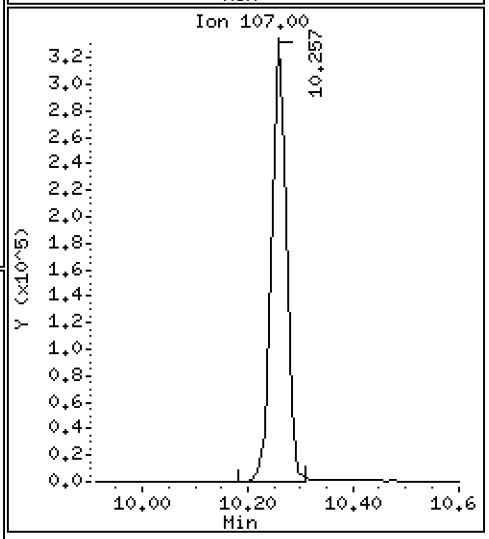
15 4-Methylphenol

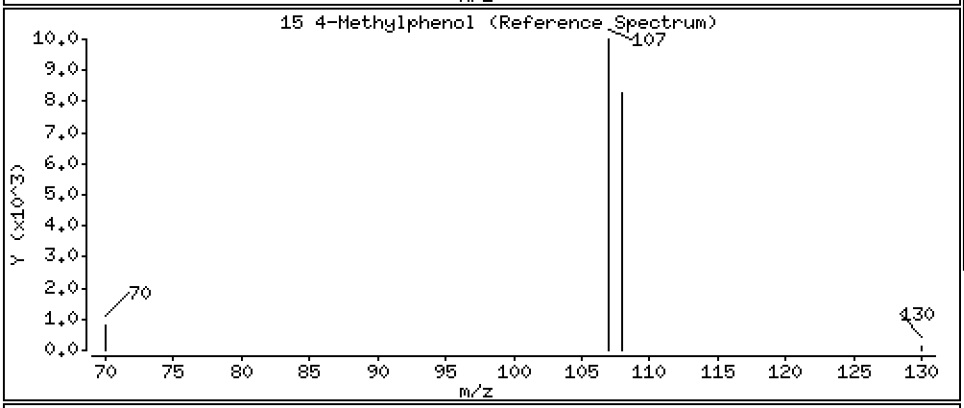
Concentration: 4.136 ug/mL

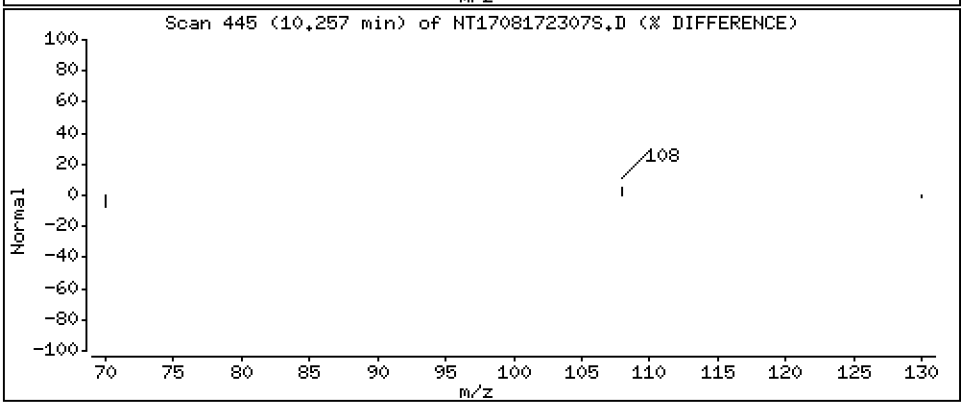












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Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BS1

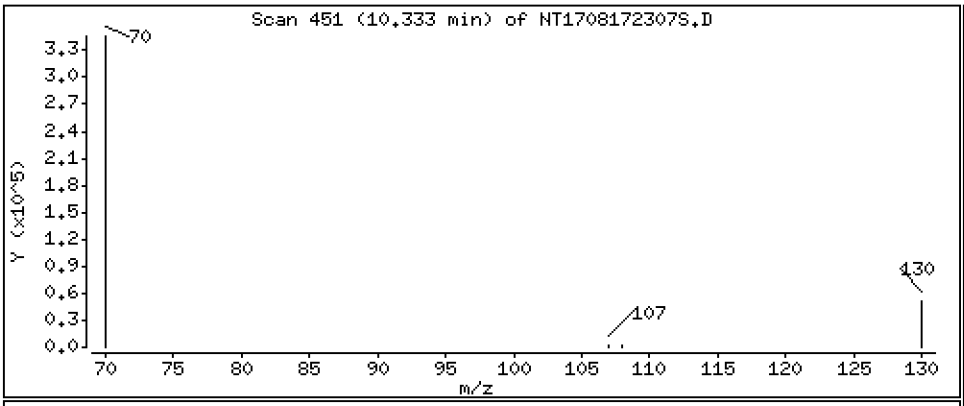
Operator: JGR

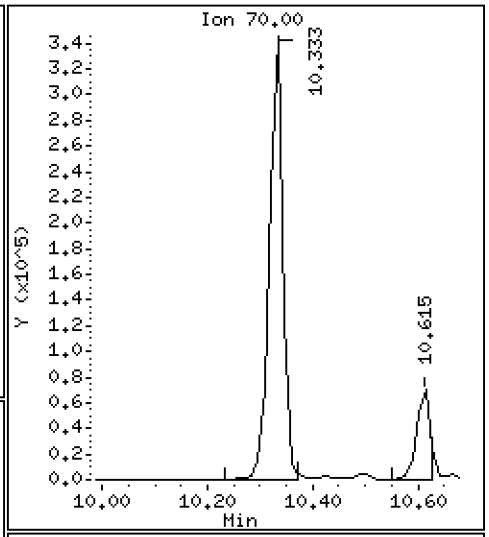
Column phase: ZB-5msi

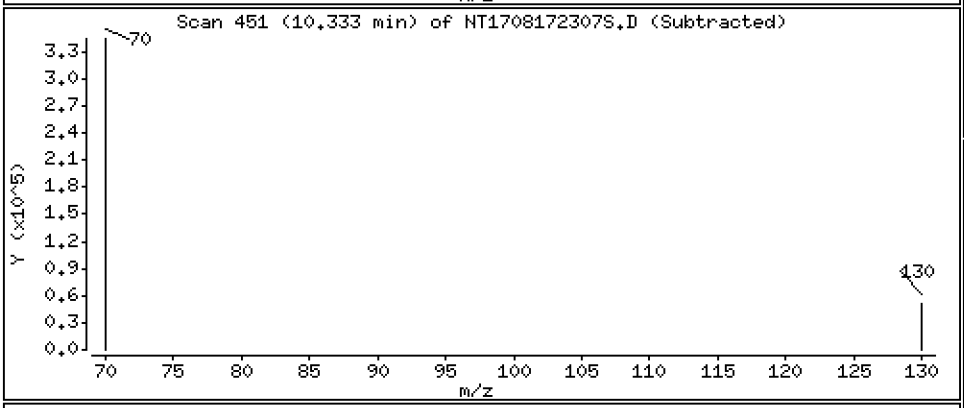
Column diameter: 0.25

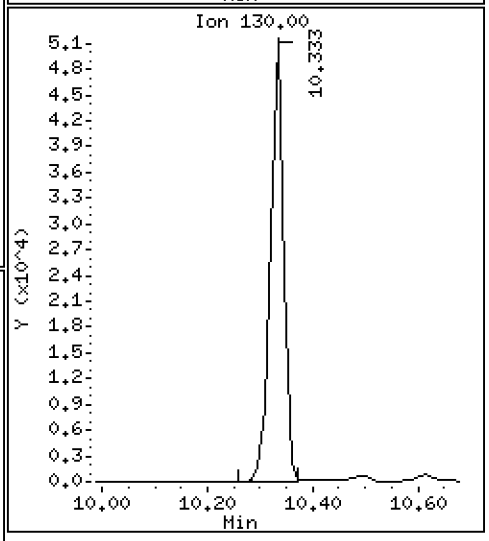
16 N-Nitroso-di-n-propylamine

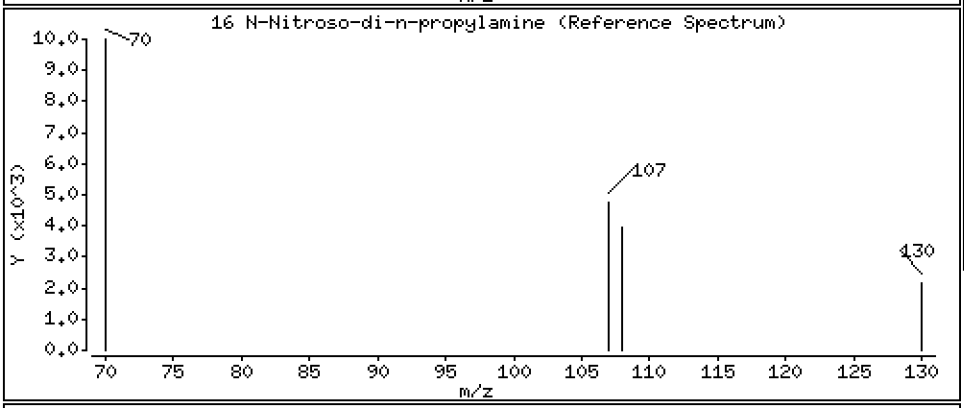
Concentration: 4.158 ug/mL

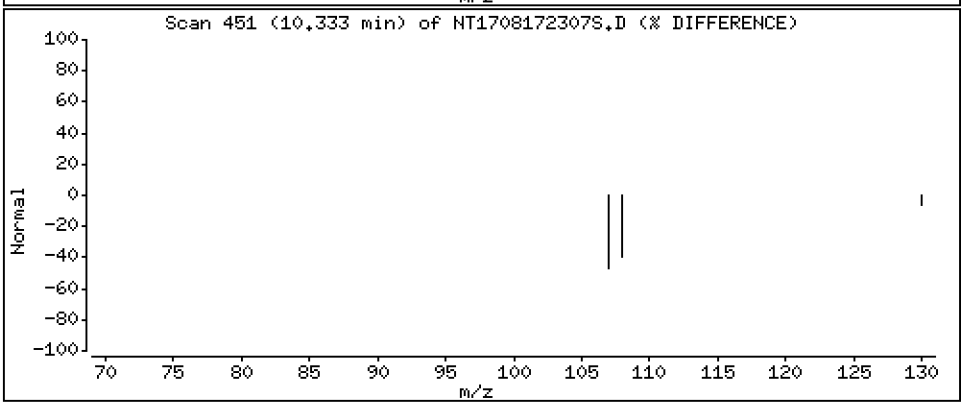












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Date : 17-AUG-2023 23:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BS1

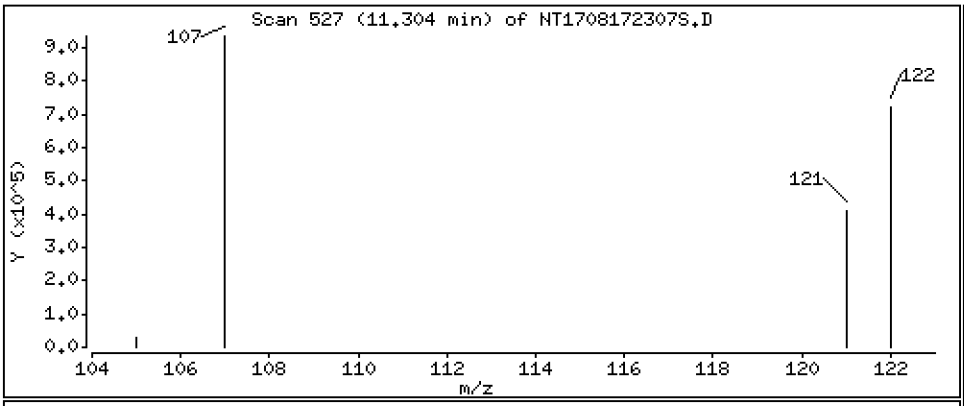
Operator: JGR

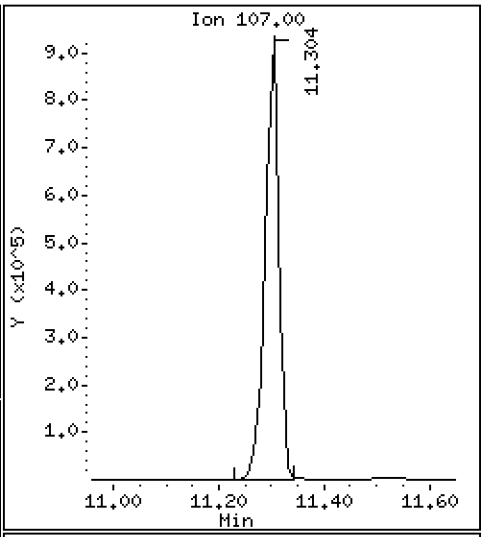
Column phase: ZB-5msi

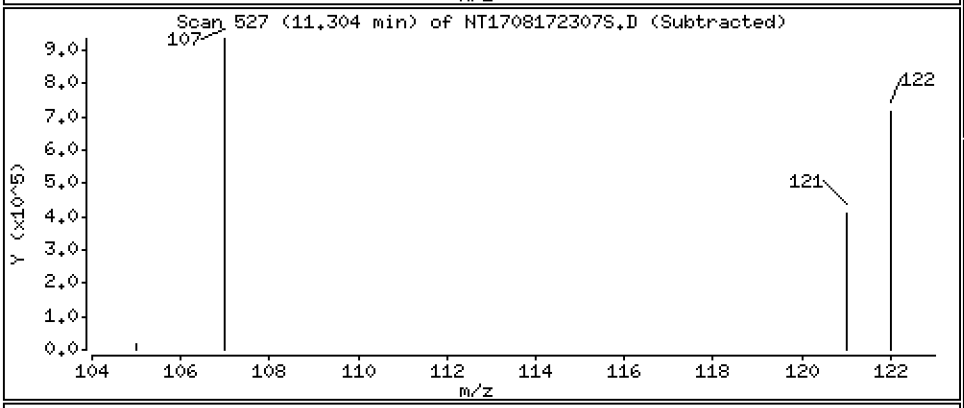
Column diameter: 0.25

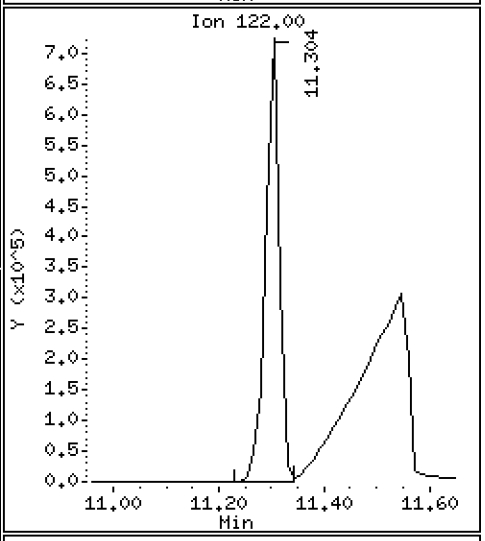
22 2,4-Dimethylphenol

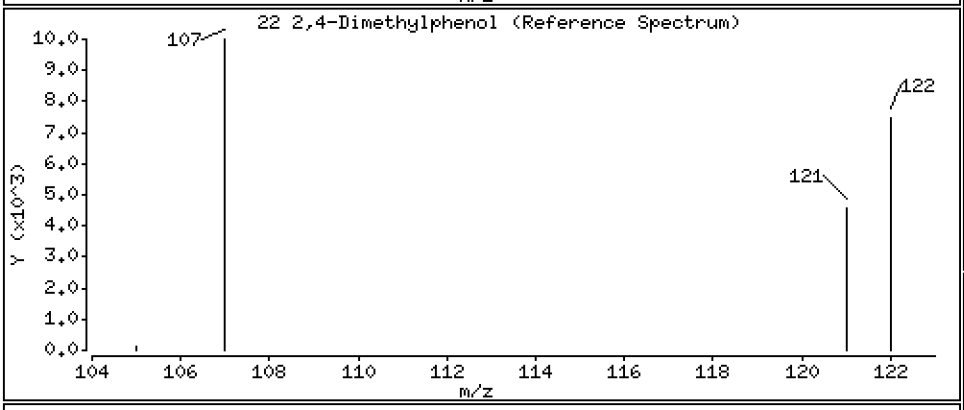
Concentration: 11.55 ug/mL

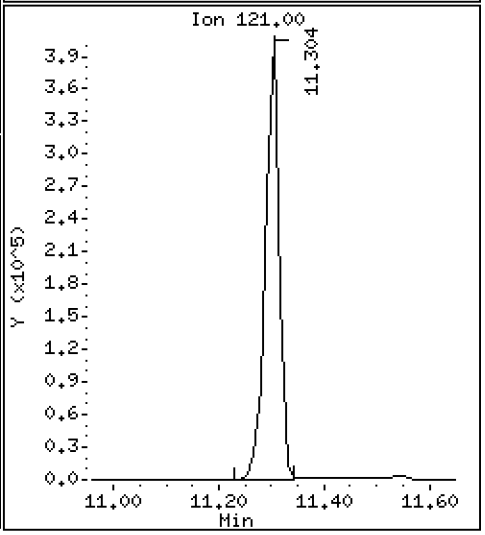


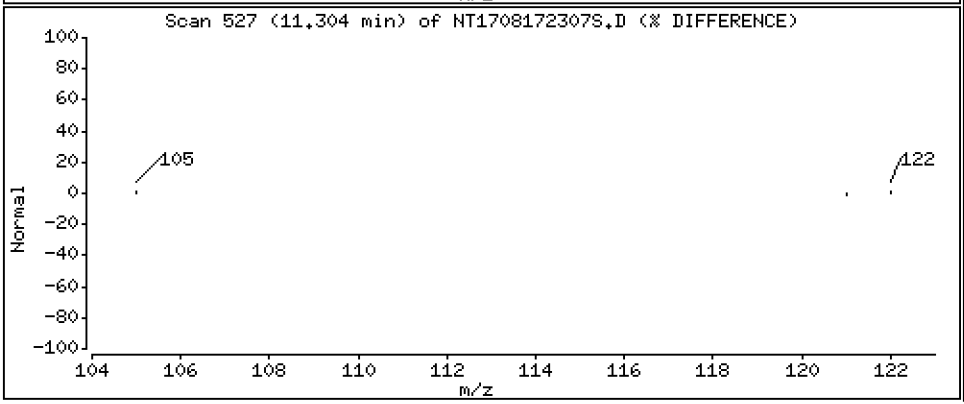












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Date : 17-AUG-2023 23:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BS1

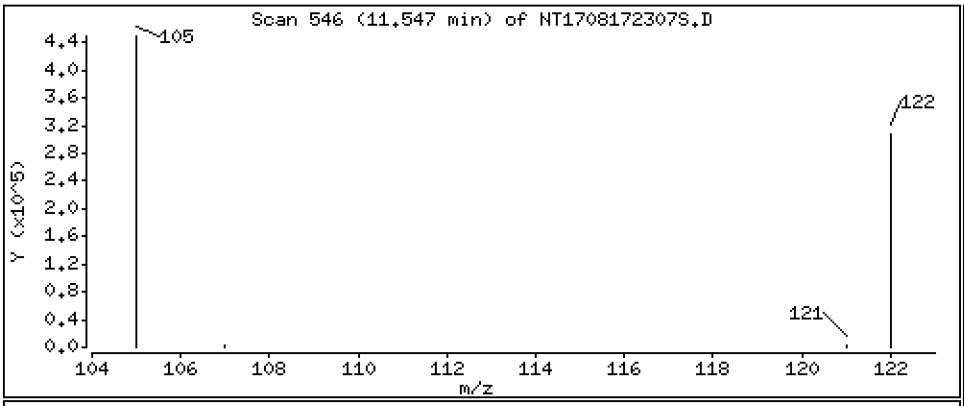
Operator: JGR

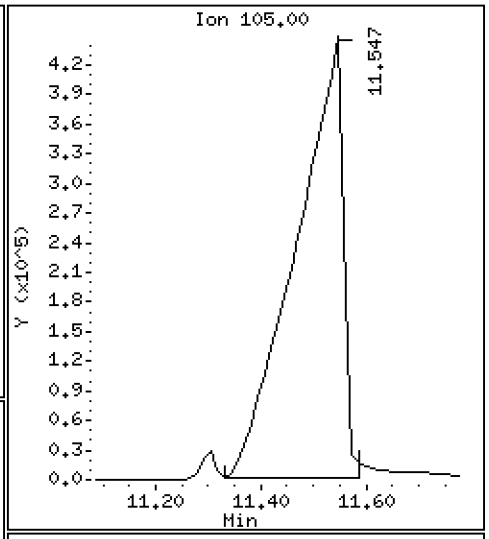
Column phase: ZB-5msi

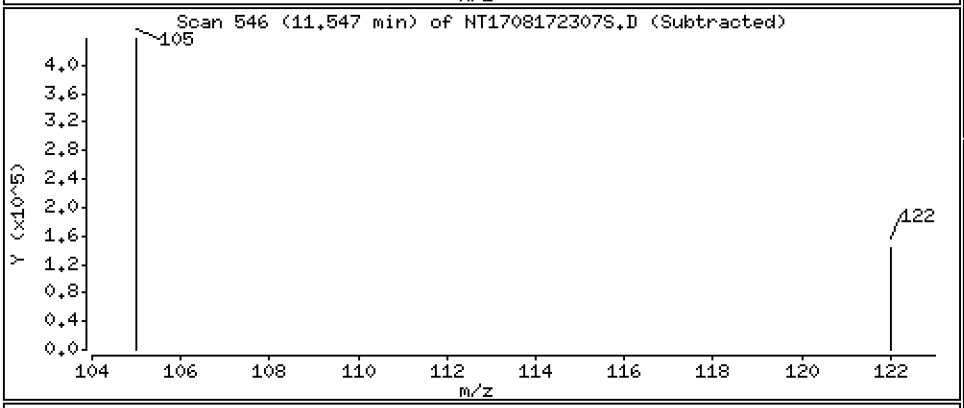
Column diameter: 0.25

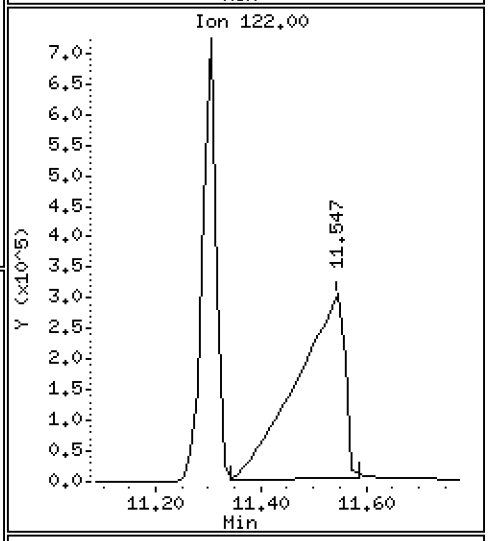
24 Benzoic acid

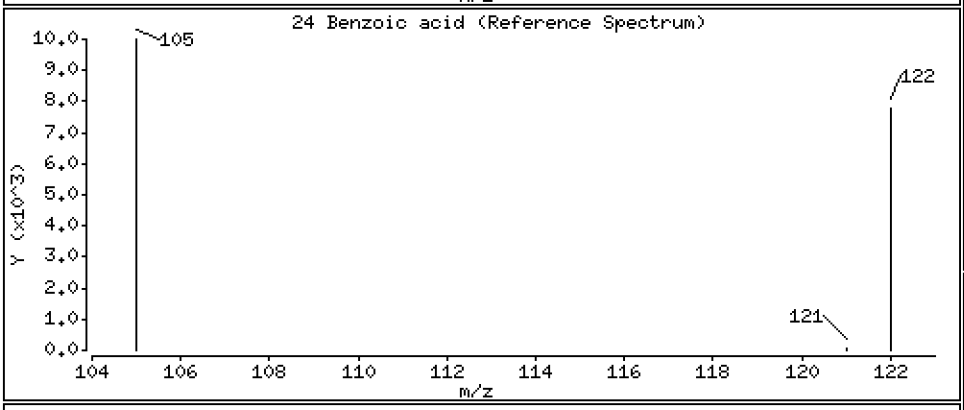
Concentration: 25.30 ug/mL

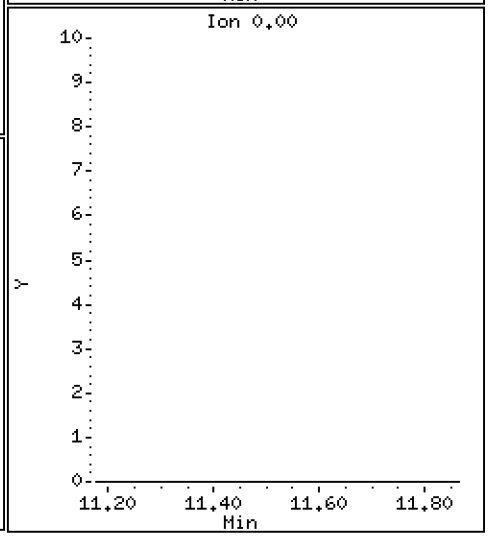


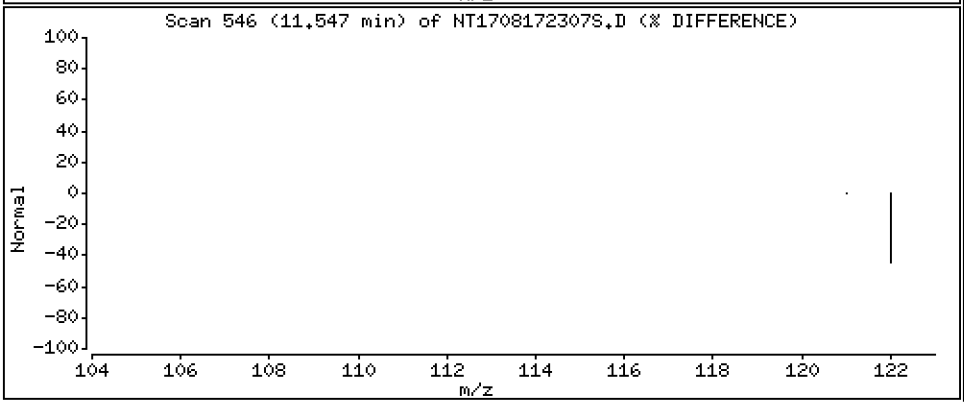












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Date : 17-AUG-2023 23:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BS1

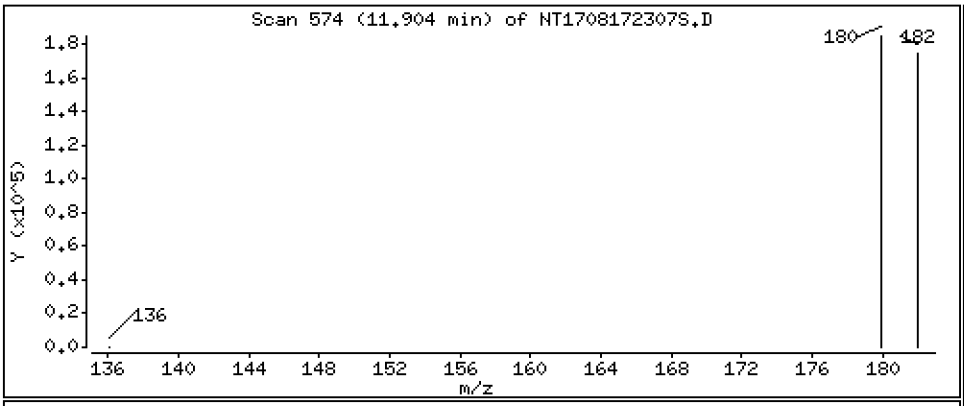
Operator: JGR

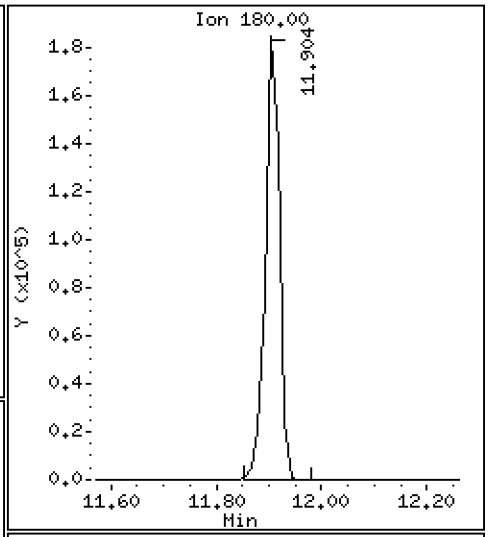
Column phase: ZB-5msi

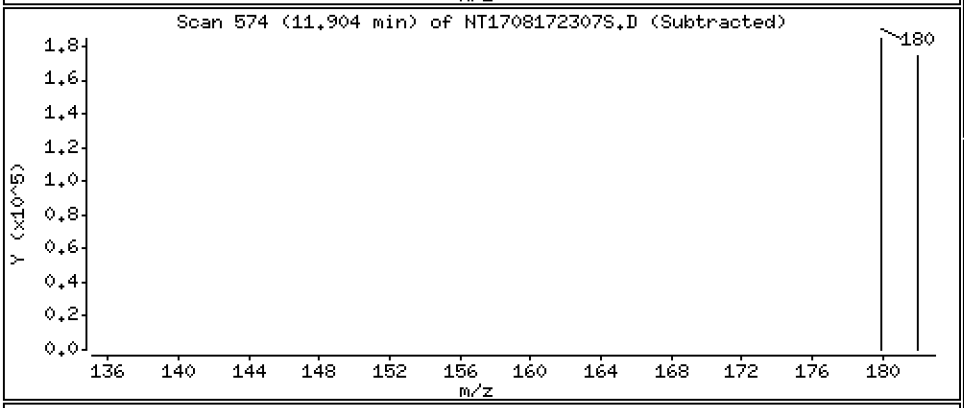
Column diameter: 0.25

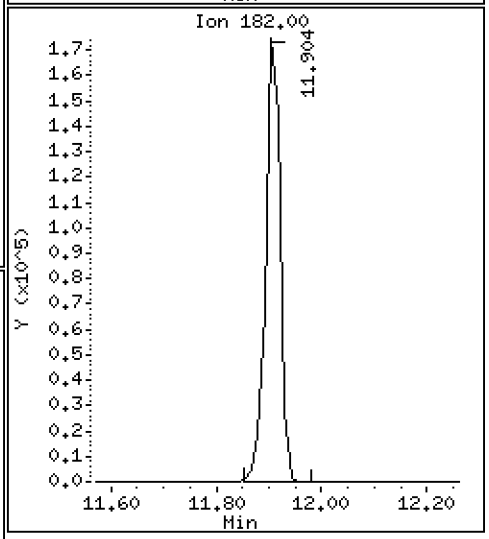
26 1,2,4-Trichlorobenzene

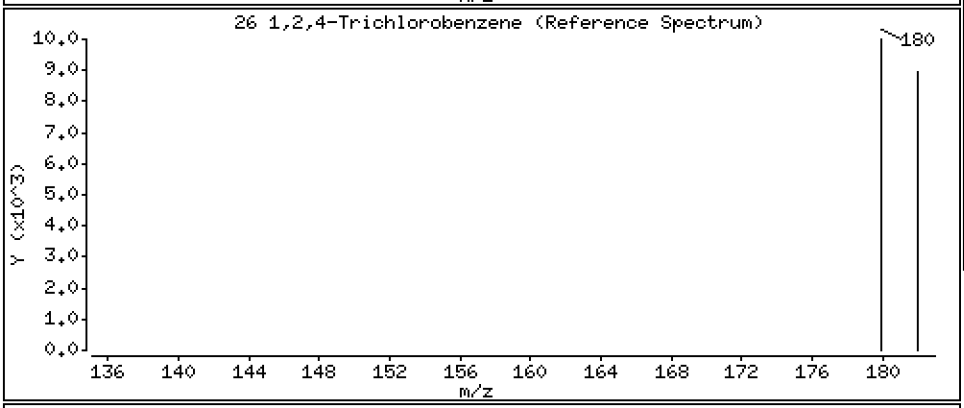
Concentration: 3.425 ug/mL

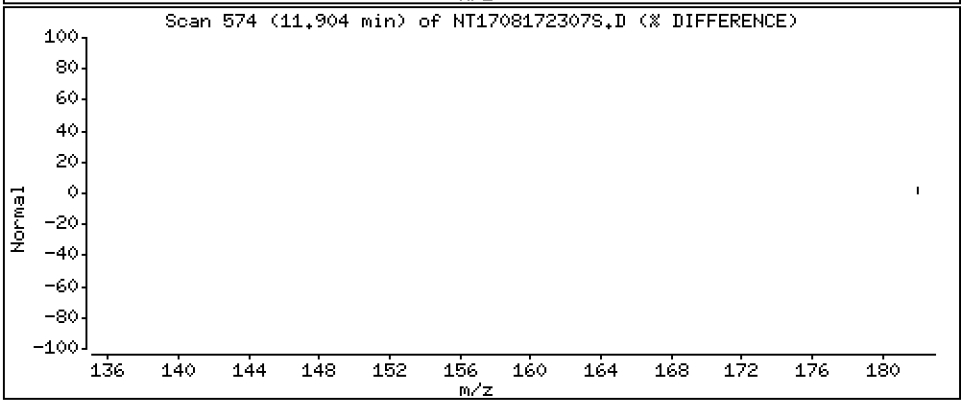












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Date : 17-AUG-2023 23:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BS1

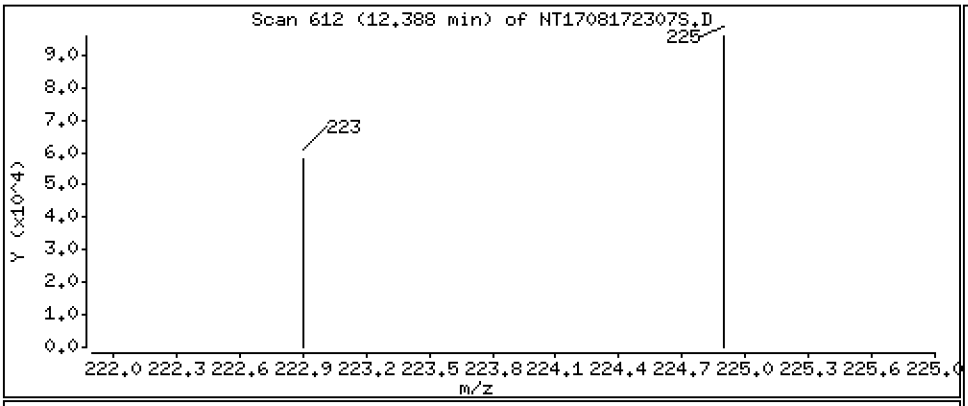
Operator: JGR

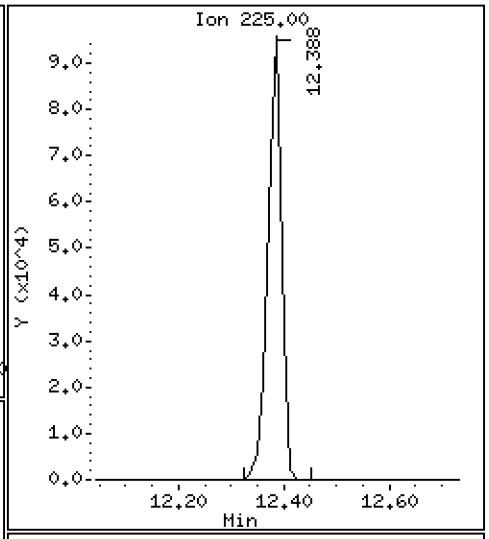
Column phase: ZB-5msi

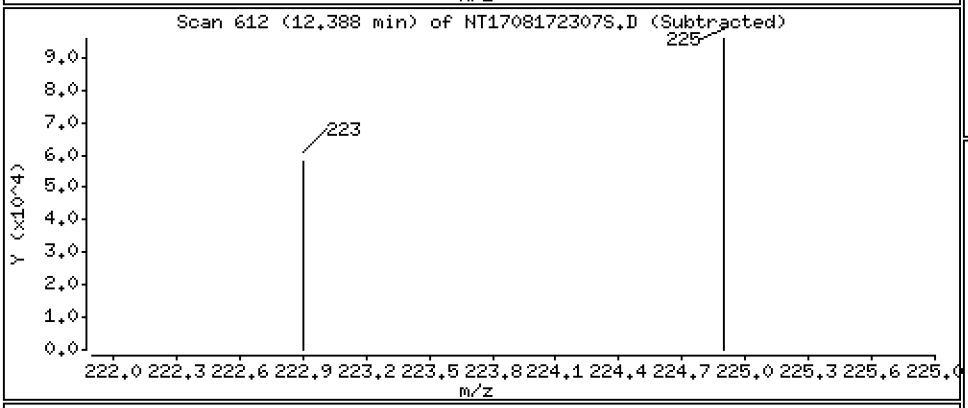
Column diameter: 0.25

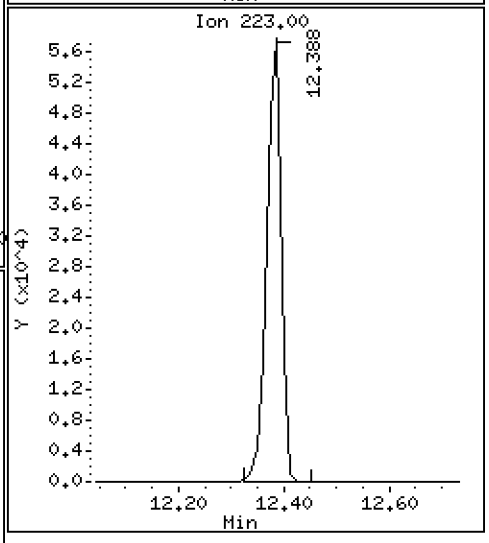
30 Hexachlorobutadiene

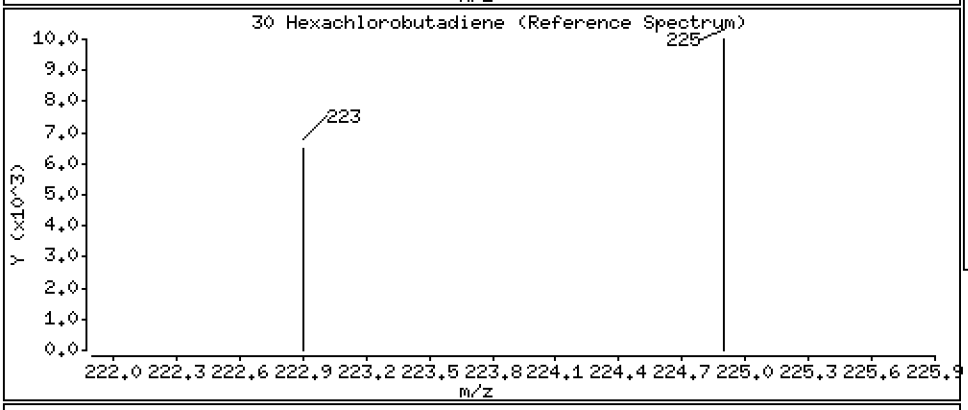
Concentration: 3.701 ug/mL

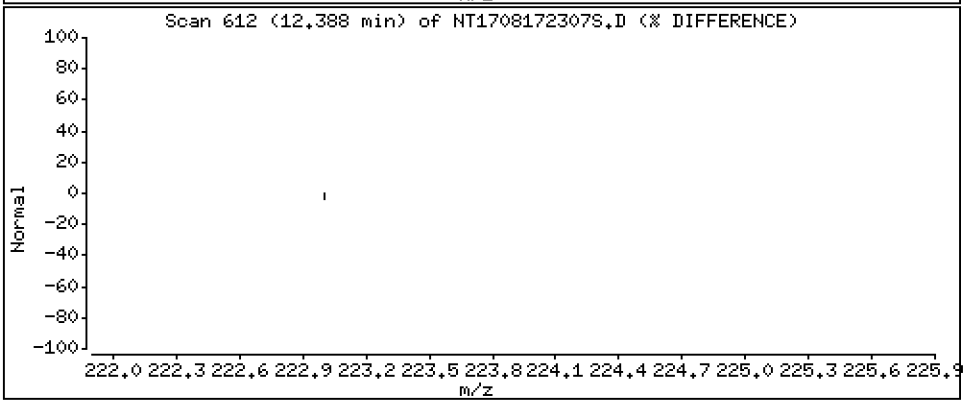












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Date : 17-AUG-2023 23:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BS1

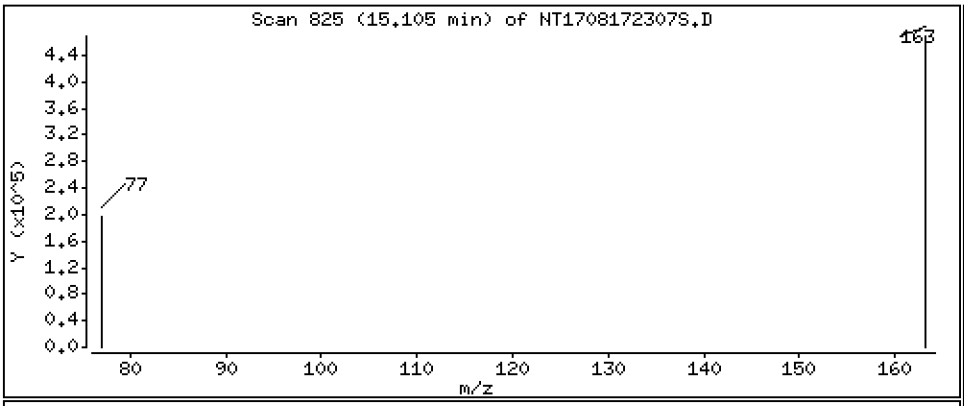
Operator: JGR

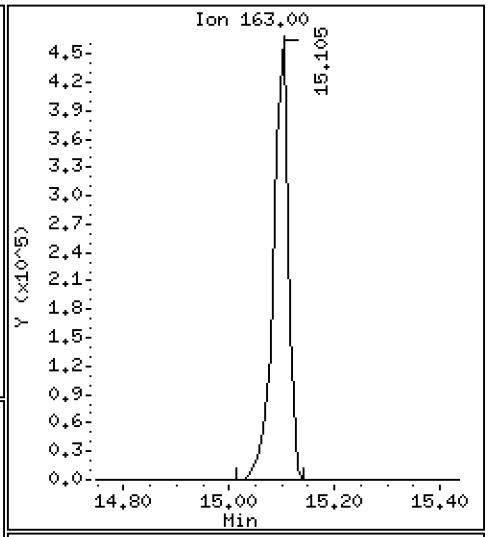
Column phase: ZB-5msi

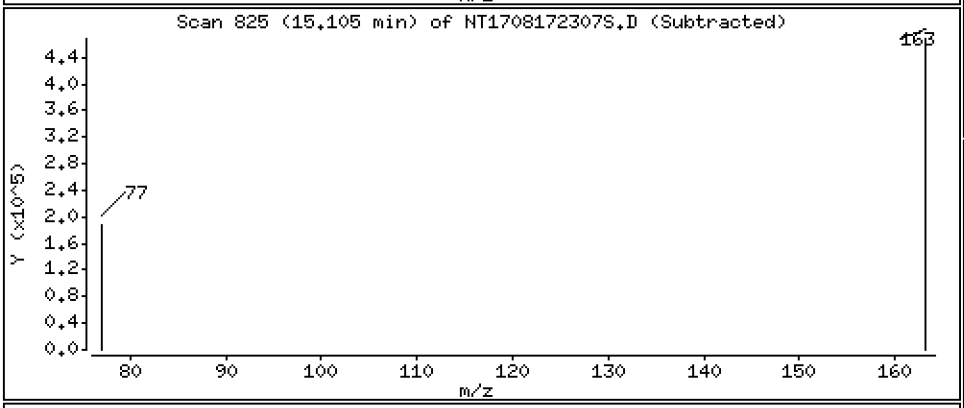
Column diameter: 0.25

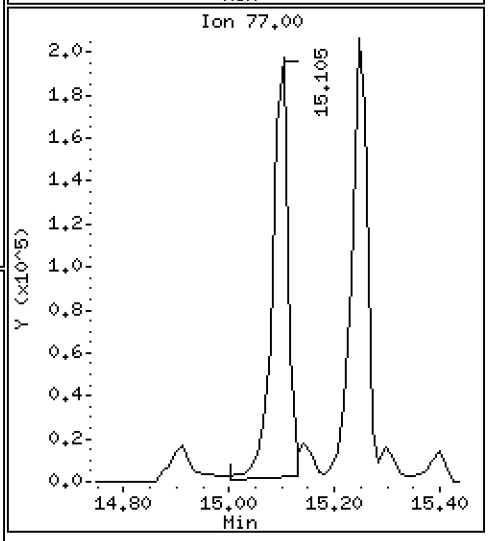
39 Dimethylphthalate

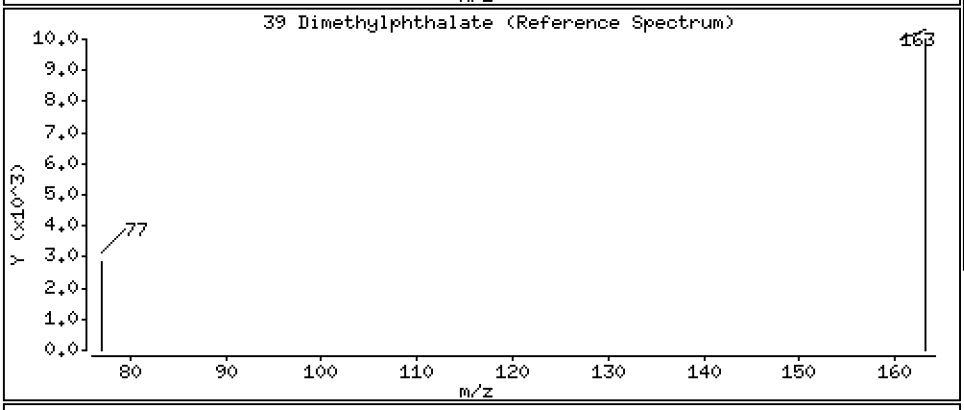
Concentration: 4.374 ug/mL

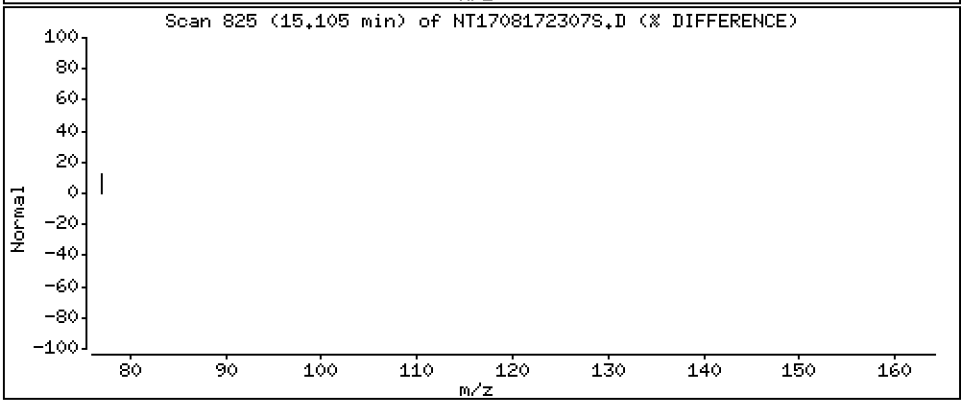












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Date : 17-AUG-2023 23:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BS1

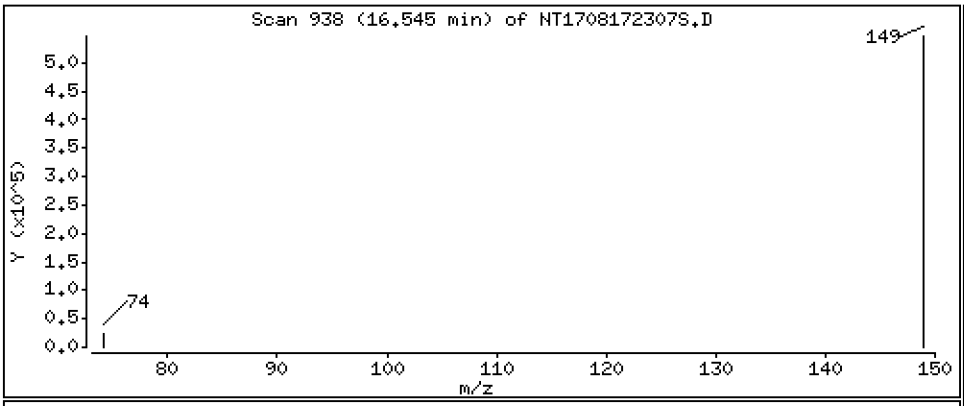
Operator: JGR

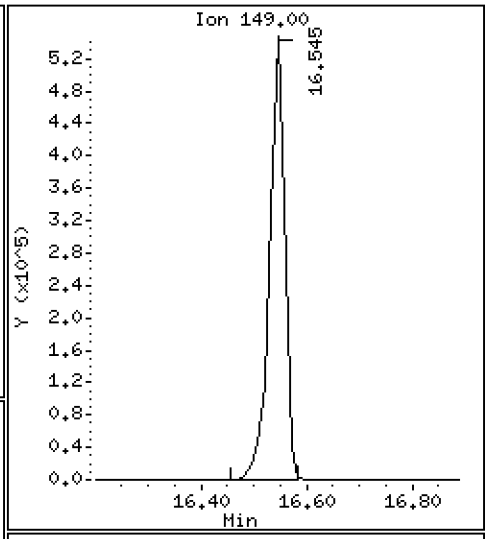
Column phase: ZB-5msi

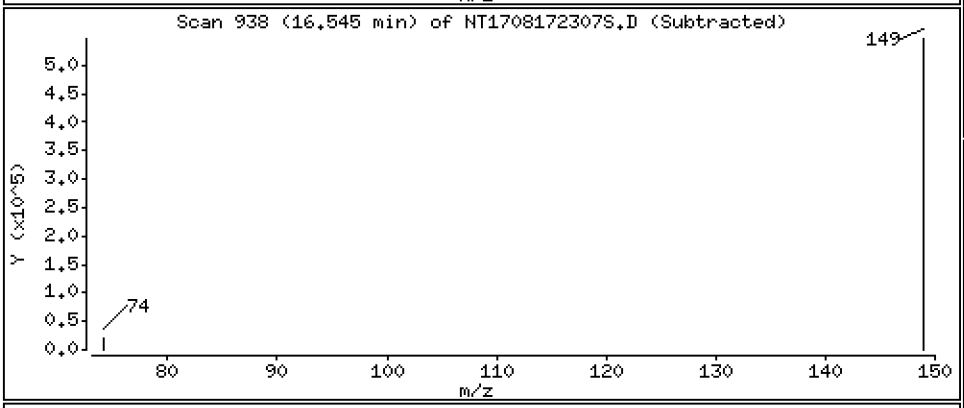
Column diameter: 0.25

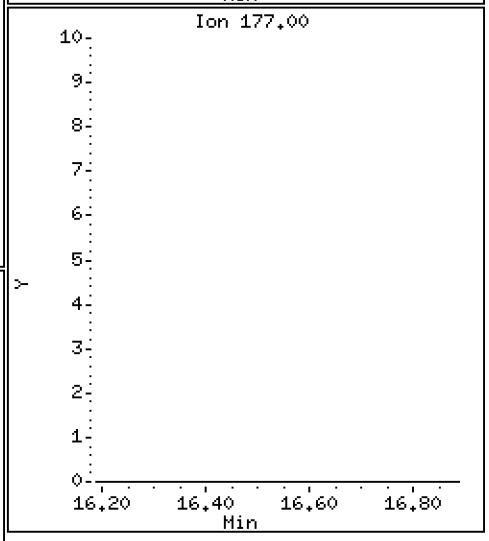
50 Diethylphthalate

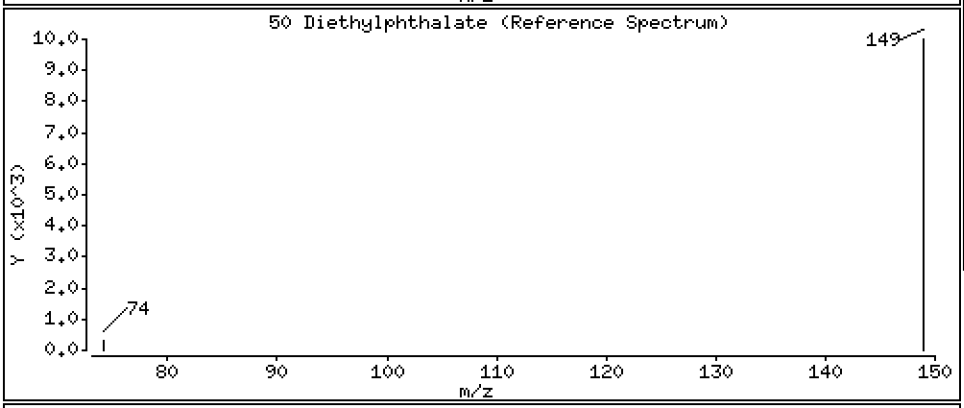
Concentration: 5.029 ug/mL

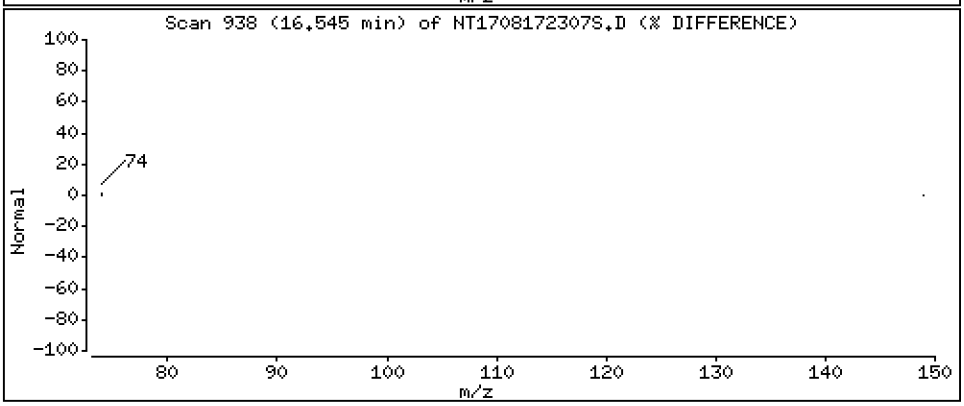












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Date : 17-AUG-2023 23:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BS1

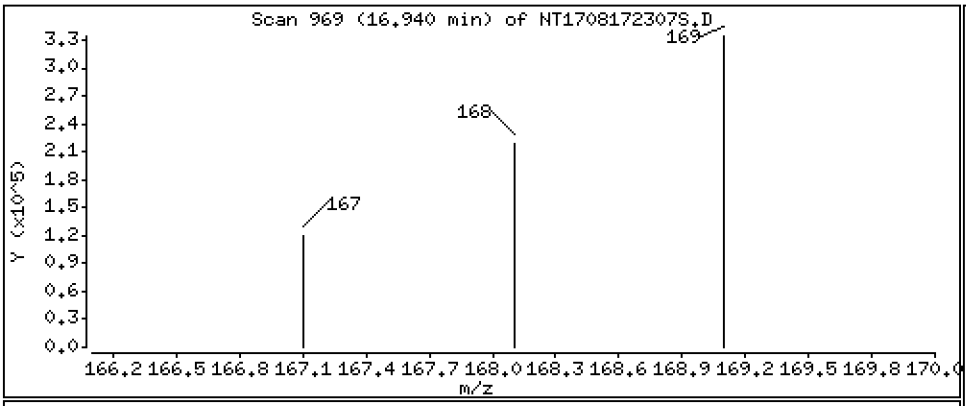
Operator: JGR

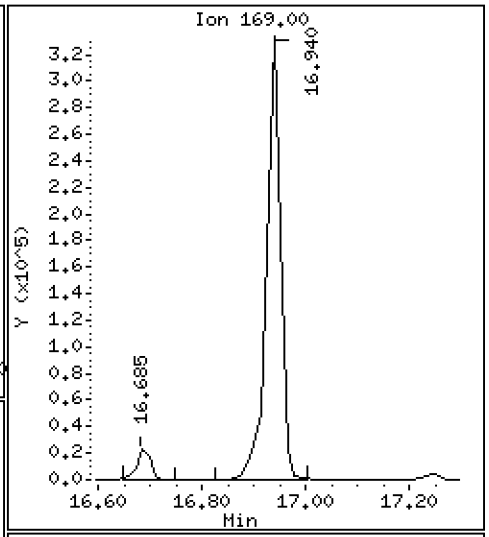
Column phase: ZB-5msi

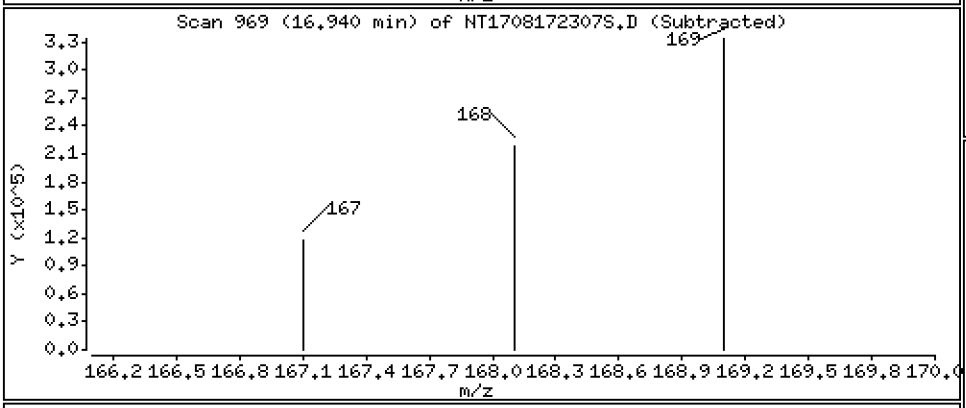
Column diameter: 0.25

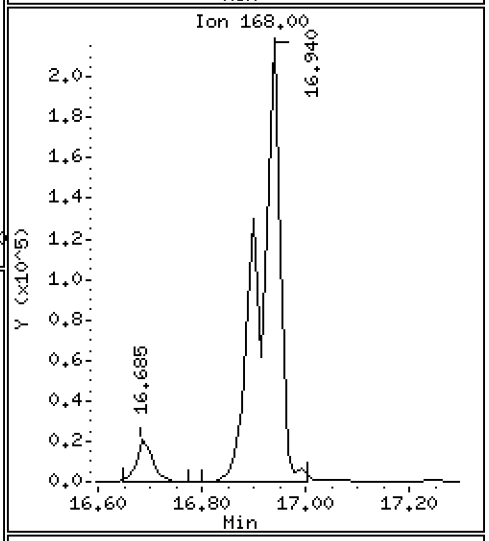
54 N-Nitrosodiphenylamine

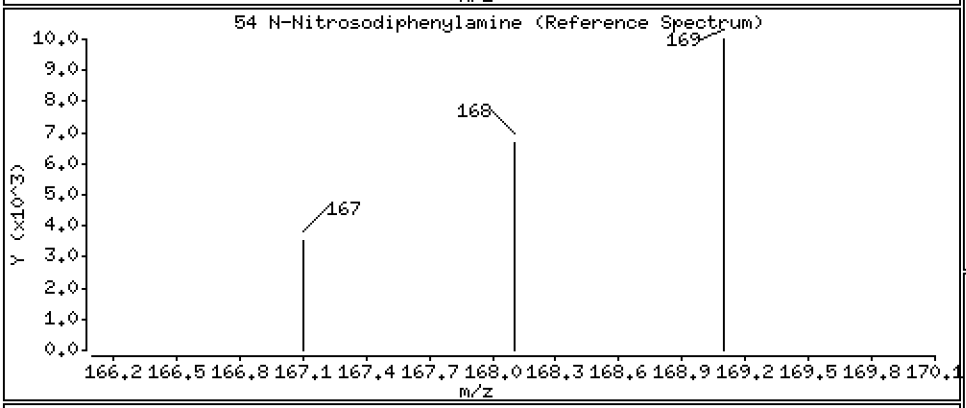
Concentration: 4.084 ug/mL

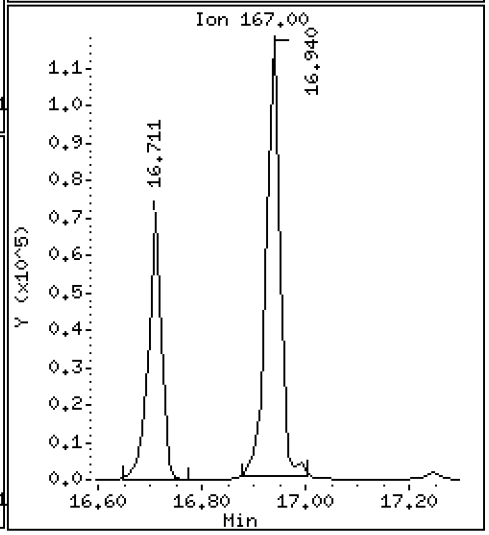


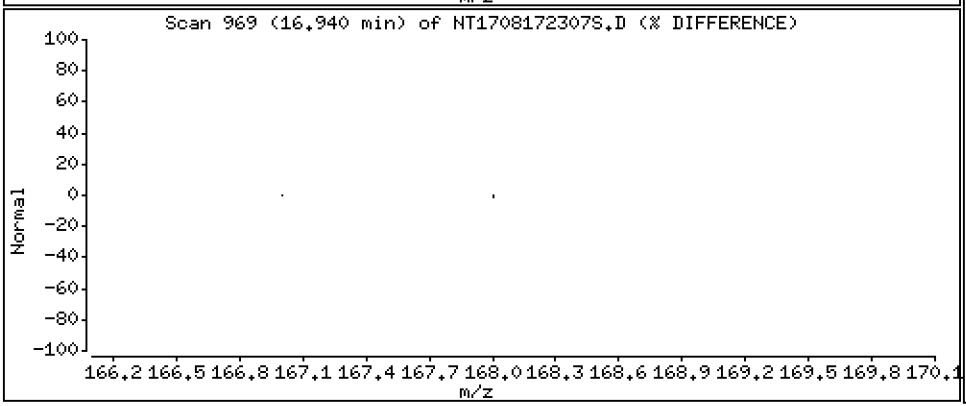












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Date : 17-AUG-2023 23:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BS1

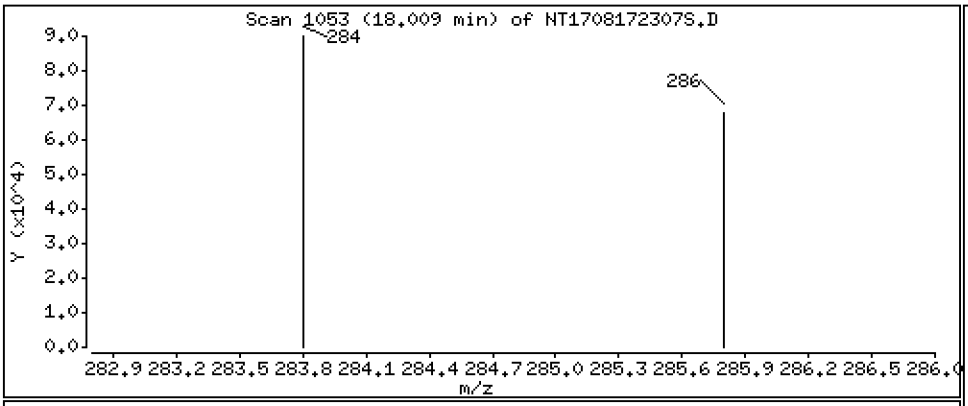
Operator: JGR

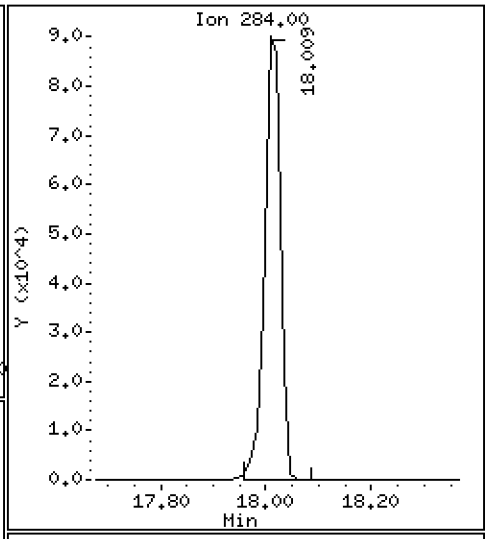
Column phase: ZB-5msi

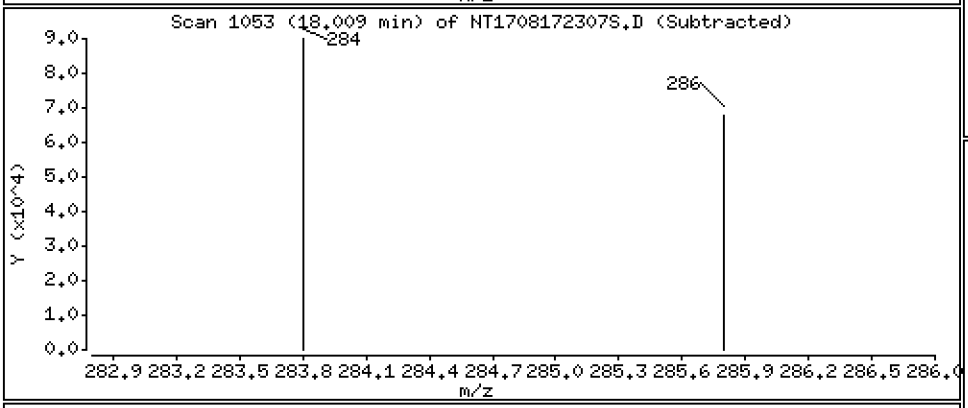
Column diameter: 0.25

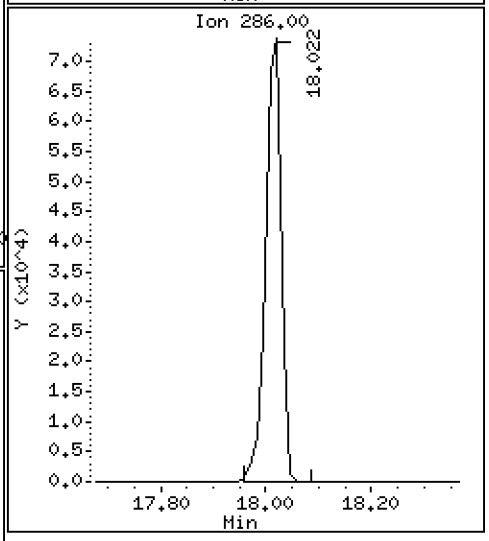
57 Hexachlorobenzene

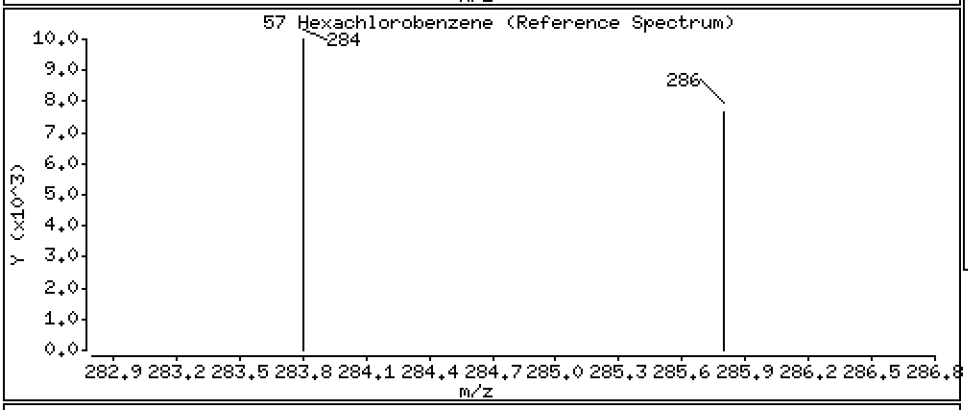
Concentration: 3.839 ug/mL

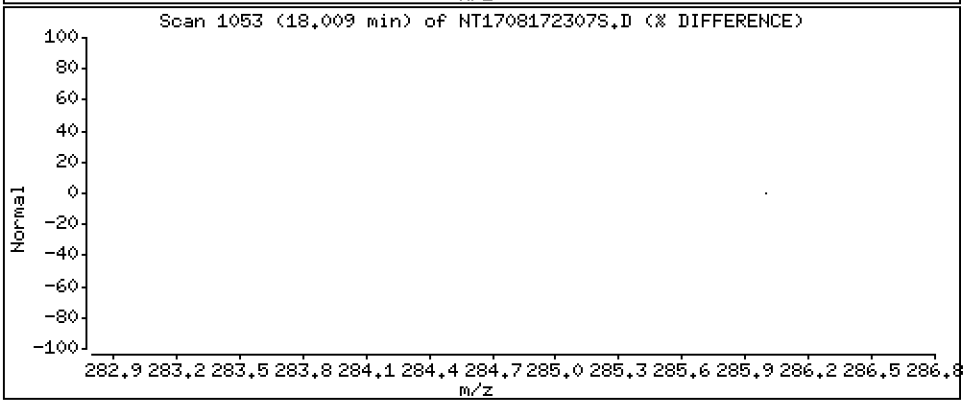












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Date : 17-AUG-2023 23:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BS1

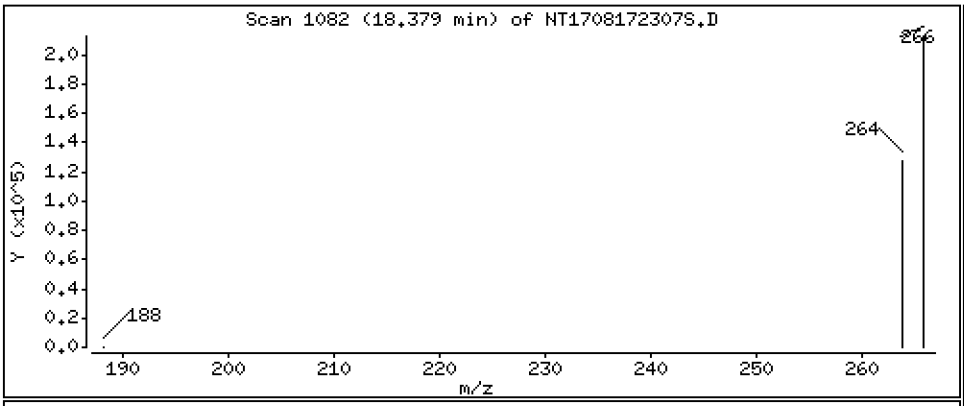
Operator: JGR

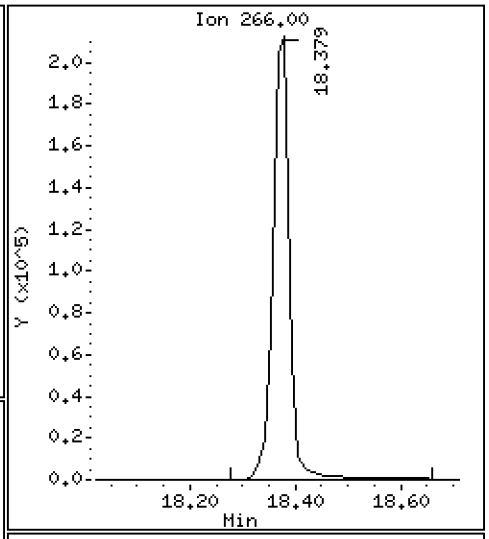
Column phase: ZB-5msi

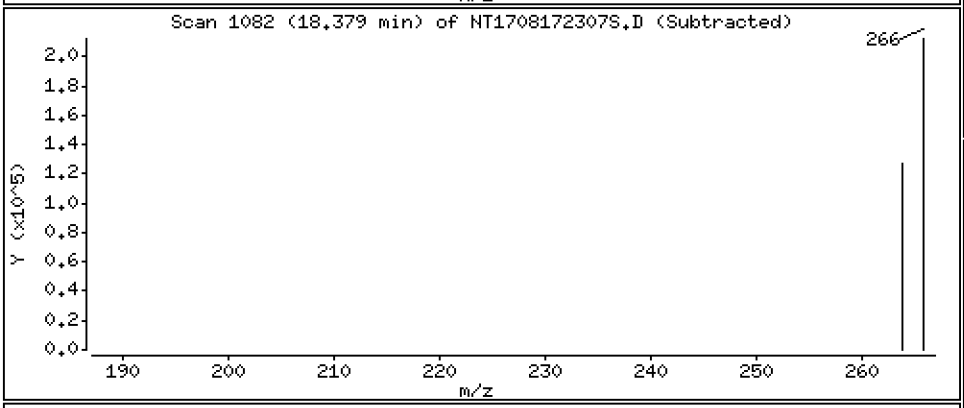
Column diameter: 0.25

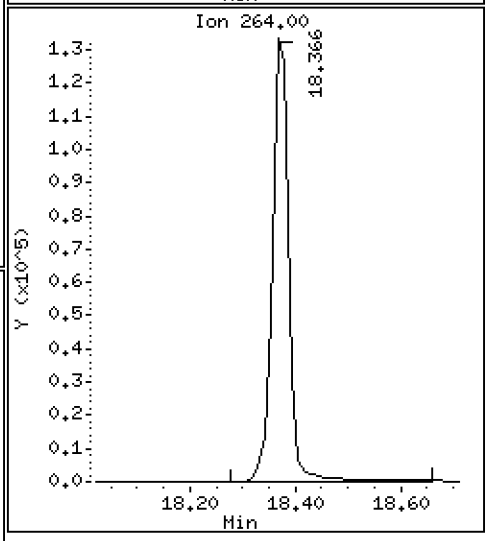
58 Pentachlorophenol

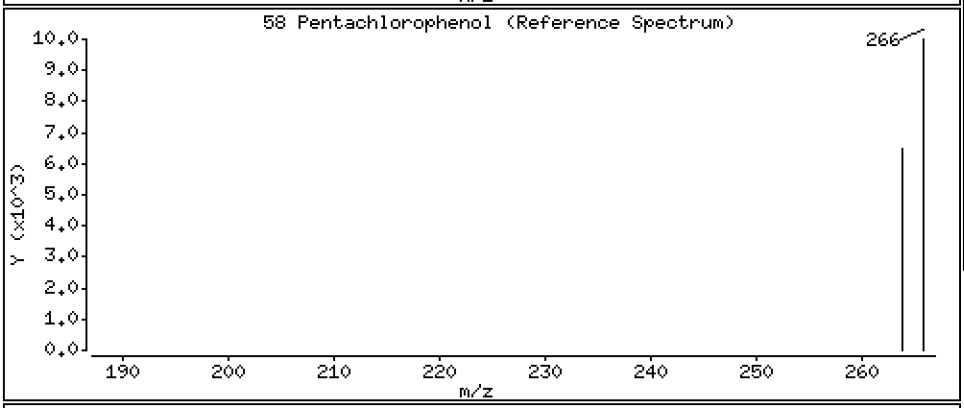
Concentration: 13.79 ug/mL

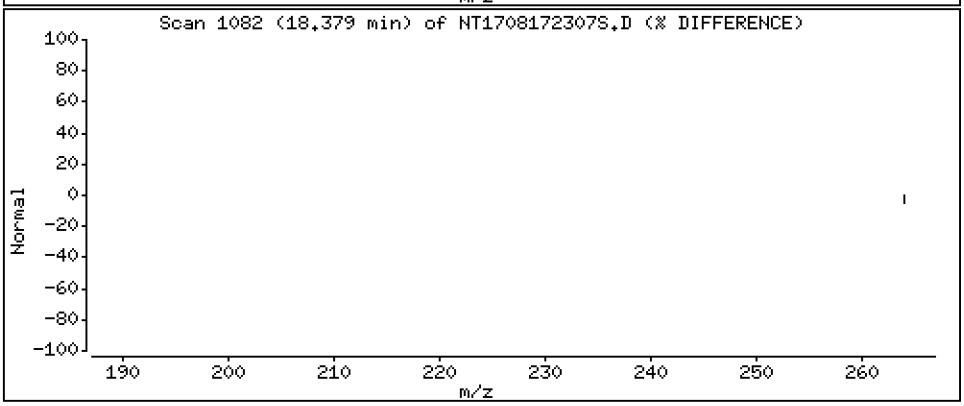












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Date : 17-AUG-2023 23:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BS1

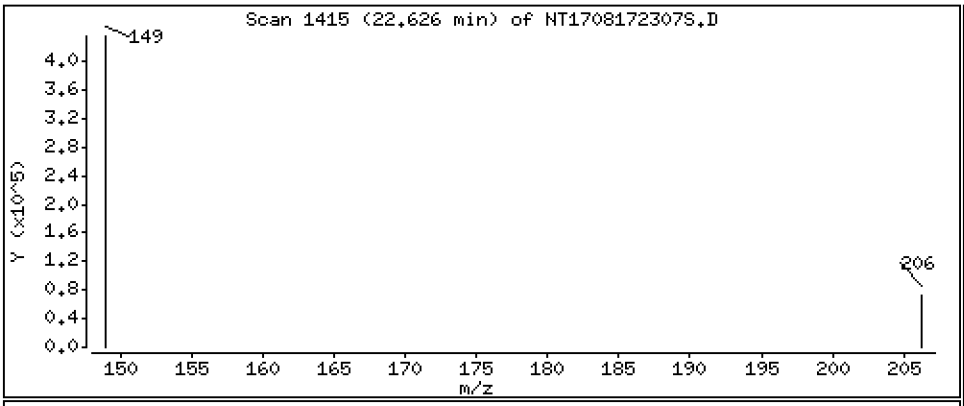
Operator: JGR

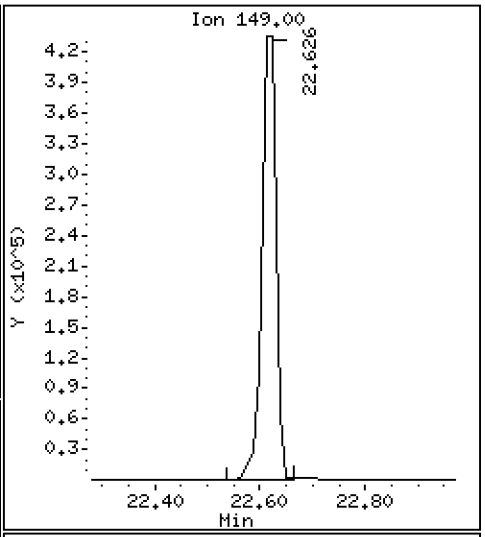
Column phase: ZB-5msi

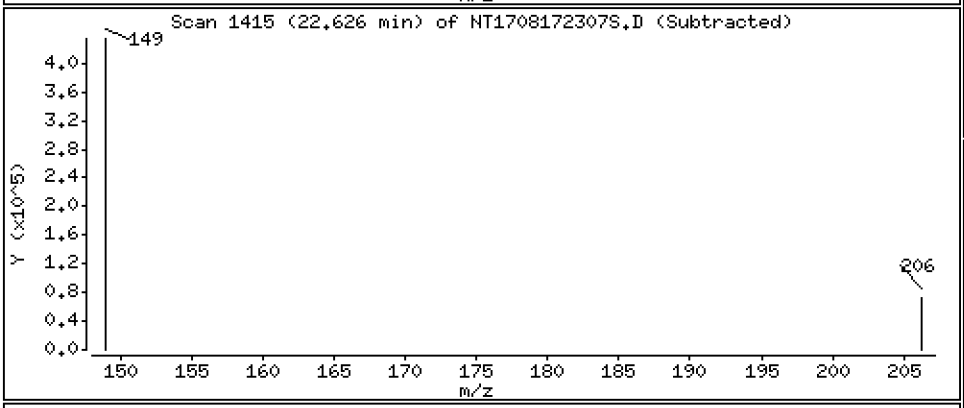
Column diameter: 0.25

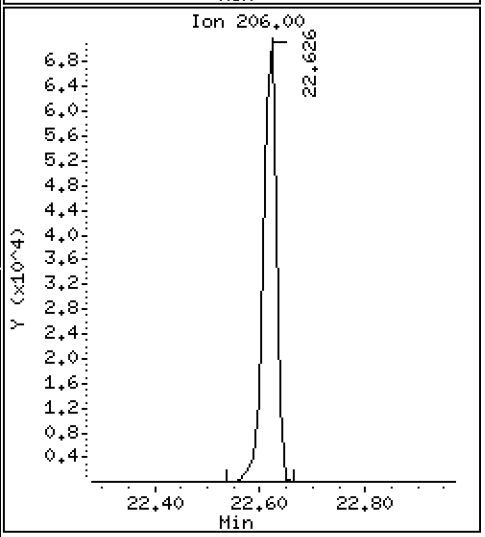
67 Butylbenzylphthalate

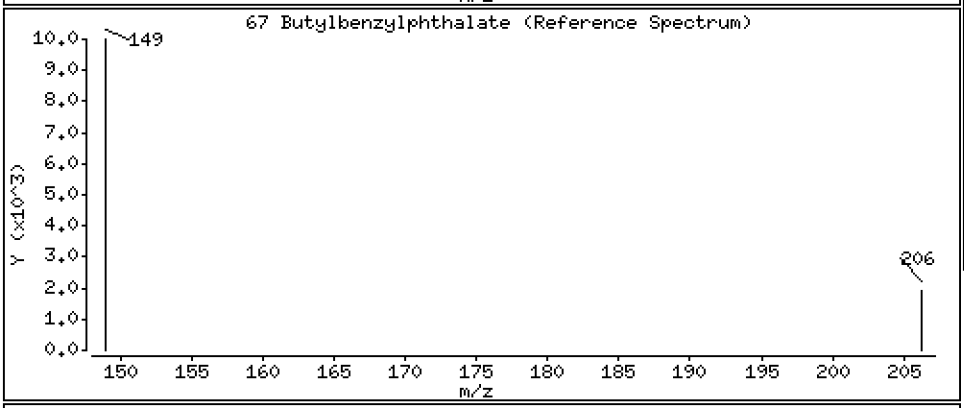
Concentration: 4.561 ug/mL

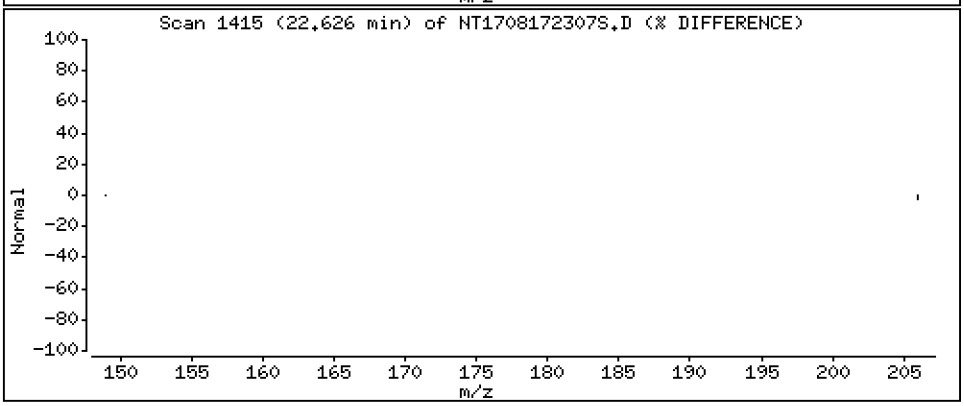












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Date : 17-AUG-2023 23:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BS1

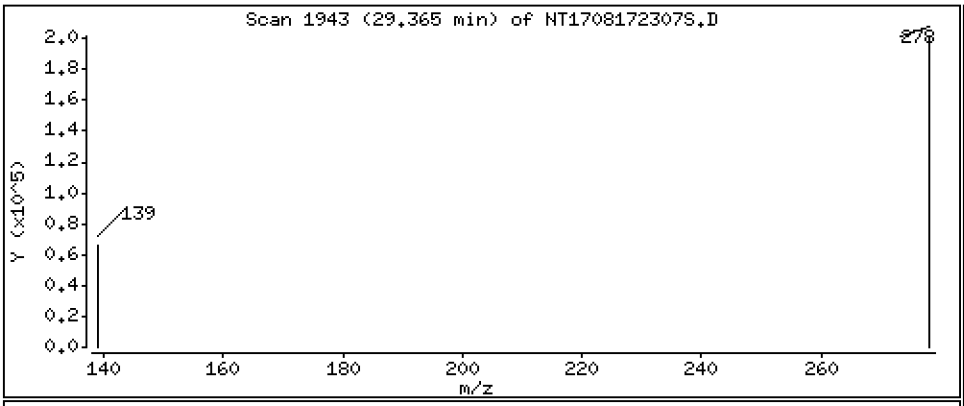
Operator: JGR

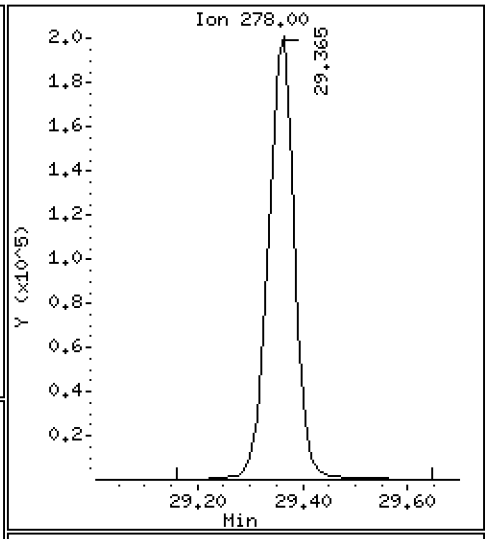
Column phase: ZB-5msi

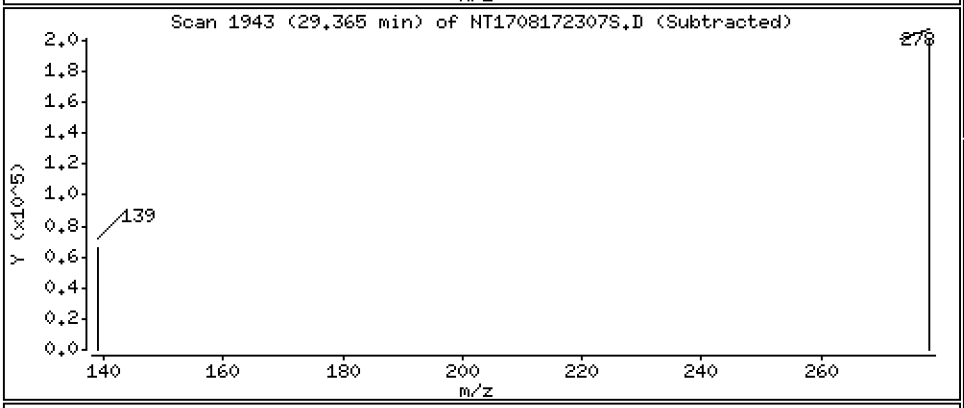
Column diameter: 0.25

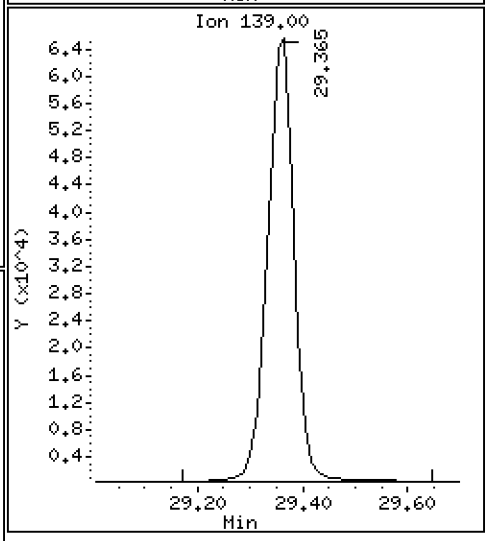
79 Dibenzo(a,h)anthracene

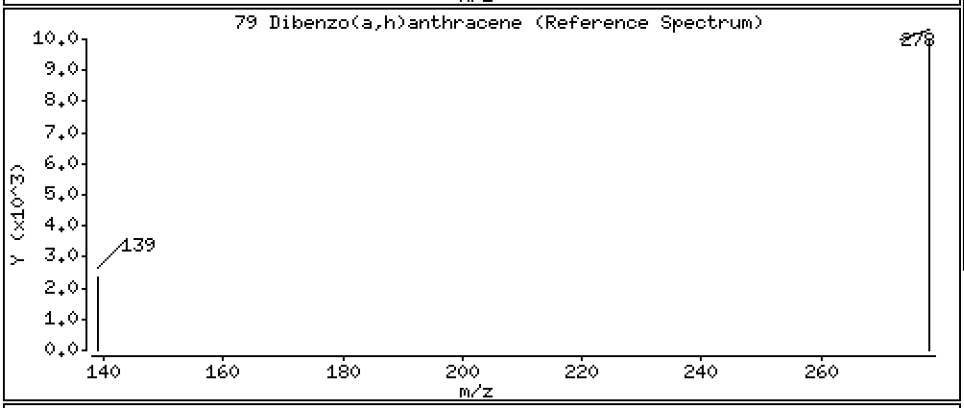
Concentration: 4.019 ug/mL

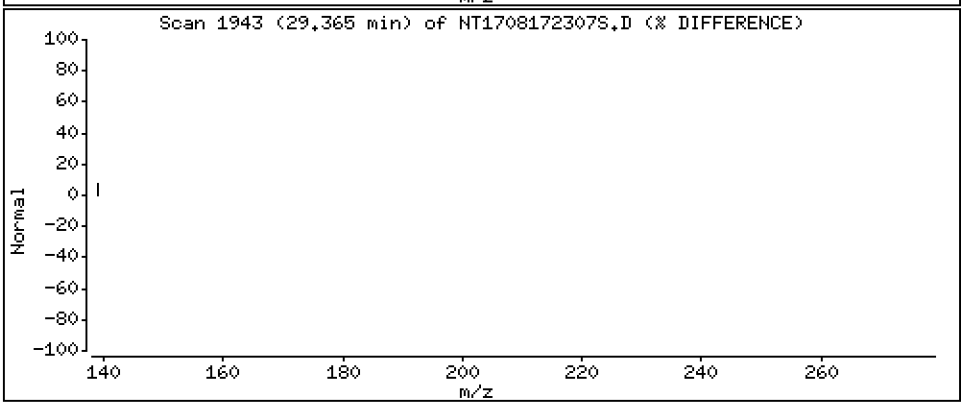












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172307S.D

Date : 17-AUG-2023 23:20

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BS1

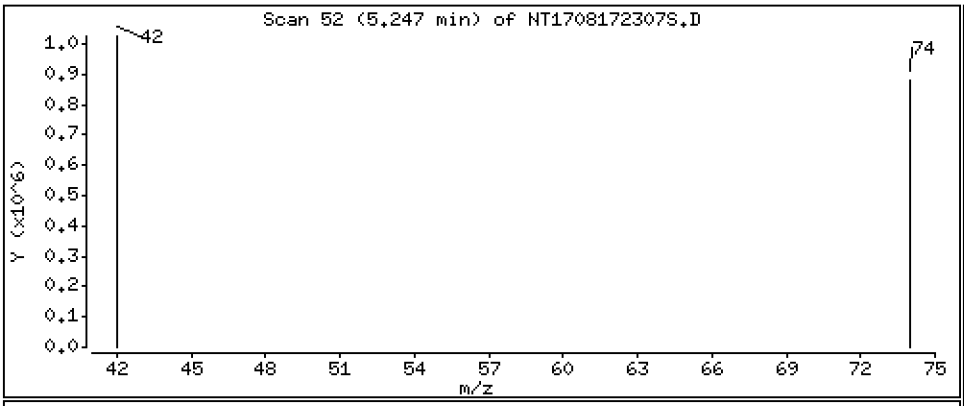
Operator: JGR

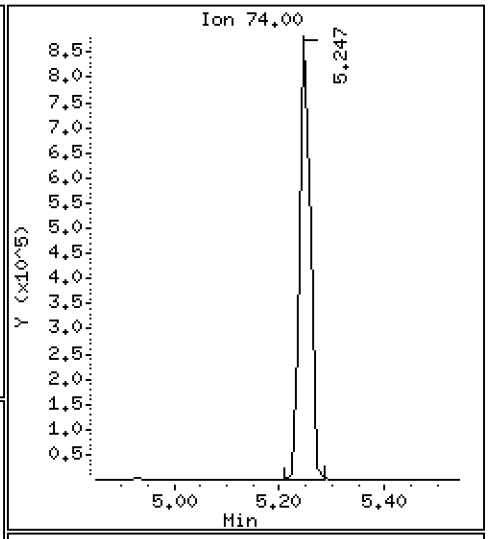
Column phase: ZB-5msi

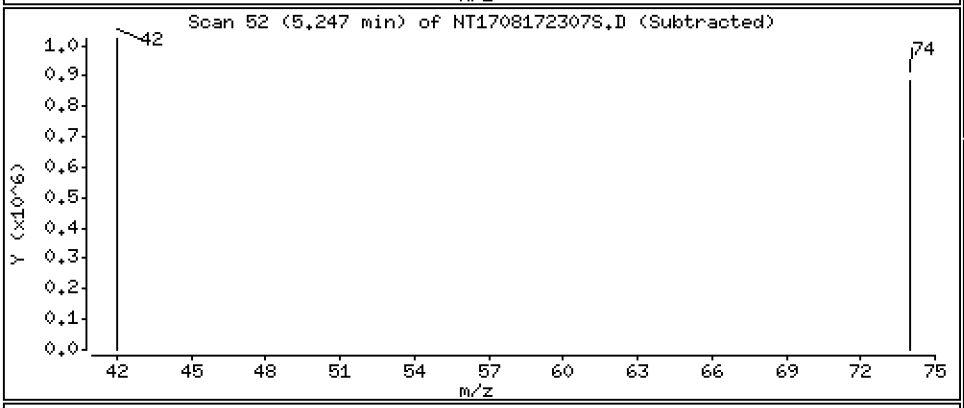
Column diameter: 0.25

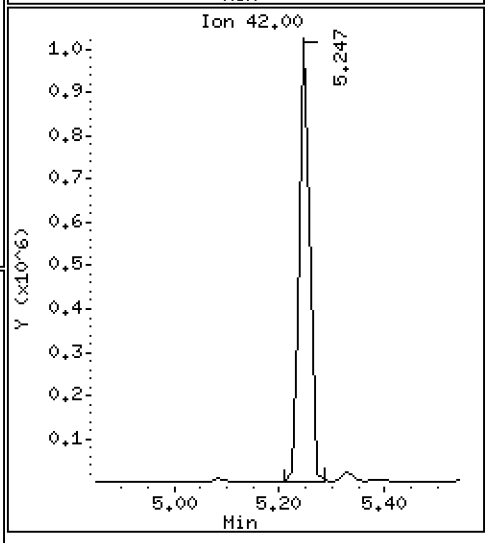
90 N-Nitrosodimethylamine

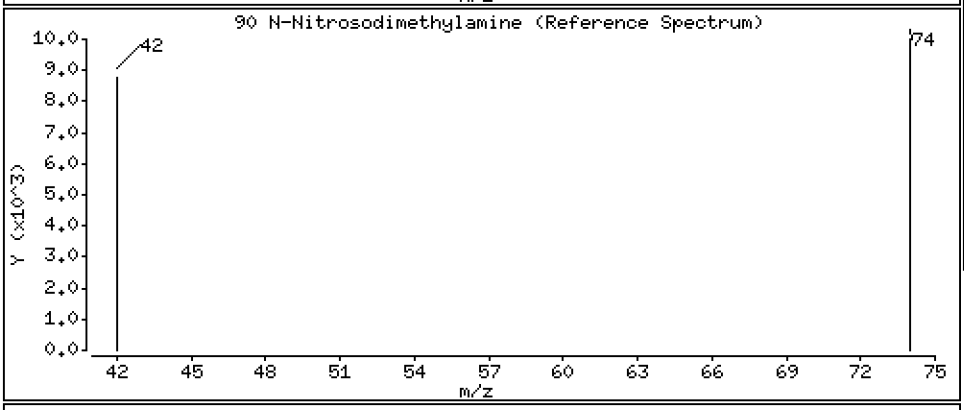
Concentration: 8.476 ug/mL

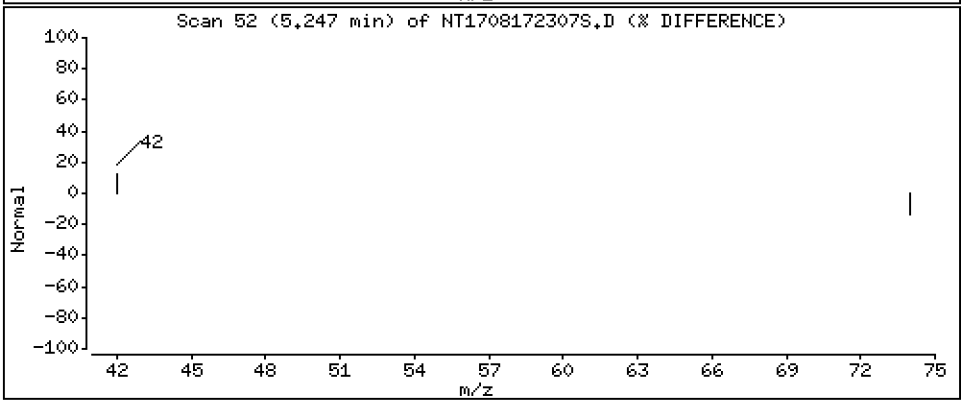












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172307S.D
Lab Smp Id: BLH0329-BS1
Inj Date : 17-AUG-2023 23:20
Operator : JGR Inst ID: nt17.i
Smp Info : BLH0329-BS1
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Meth Date : 19-Aug-2023 11:00 JoshuaR Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	7.298	7.285	(0.767)	845442	5.67237	5.672(R)
	3 Phenol	94	8.878	8.878	(0.933)	899146	3.95741	3.957
	7 1,3-Dichlorobenzene	146	9.451	9.451	(0.993)	522742	3.40136	3.401
*	8 1,4-Dichlorobenzene-d4	152	9.515	9.515	(1.000)	358954	4.00000	
	9 1,4-Dichlorobenzene	146	9.541	9.554	(1.003)	510940	3.43528	3.435
	11 Benzyl alcohol	79	9.796	9.784	(1.030)	669660	4.25837	4.258
	12 1,2-Dichlorobenzene	146	9.899	9.911	(1.040)	503559	3.49025	3.490
	13 2-Methylphenol	108	9.988	9.988	(1.050)	536854	3.89684	3.897
	15 4-Methylphenol	108	10.256	10.256	(1.078)	595525	4.13587	4.136
	16 N-Nitroso-di-n-propylamine	70	10.333	10.333	(1.086)	612276	4.15820	4.158
	22 2,4-Dimethylphenol	107	11.304	11.304	(0.942)	1701194	11.5523	11.55
	24 Benzoic acid	105	11.546	11.431	(0.962)	2782606	25.2954	25.30
	26 1,2,4-Trichlorobenzene	180	11.904	11.916	(0.992)	344568	3.42458	3.425
*	27 Naphthalene-d8	136	12.005	12.005	(1.000)	1467682	4.00000	
	30 Hexachlorobutadiene	225	12.388	12.388	(1.032)	174398	3.70118	3.701
	39 Dimethylphthalate	163	15.104	15.091	(0.967)	925570	4.37388	4.374
*	42 Acenaphthene-d10	162	15.614	15.614	(1.000)	651080	4.00000	
	50 Diethylphthalate	149	16.545	16.545	(1.060)	1106525	5.02893	5.029
	54 N-Nitrosodiphenylamine	169	16.939	16.939	(0.908)	620615	4.08374	4.084
	57 Hexachlorobenzene	284	18.009	18.021	(0.966)	191151	3.83906	3.839
	58 Pentachlorophenol	266	18.379	18.366	(0.986)	466093	13.7943	13.79
*	59 Phenanthrene-d10	188	18.646	18.646	(1.000)	1057087	4.00000	
$	66 Terphenyl-d14	244	21.720	21.720	(0.920)	451008	4.76972	4.770(R)
	67 Butylbenzylphthalate	149	22.625	22.625	(0.958)	826988	4.56104	4.561
*	69 Chrysene-d12	240	23.620	23.620	(1.000)	683299	4.00000	
*	77 Perylene-d12	264	26.414	26.414	(1.000)	580845	4.00000	
	79 Dibenzo(a,h)anthracene	278	29.365	29.352	(1.112)	689524	4.01911	4.019
	90 N-Nitrosodimethylamine	74	5.247	5.196	(0.551)	1285458	8.47590	8.476

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708172307S.D
Lab Smp Id: BLH0329-BS1
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Misc Info:

Calibration Date: 17-AUG-2023
Calibration Time: 20:49
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	348452	174226	696904	358954	3.01
27 Naphthalene-d8	1404170	702085	2808340	1467682	4.52
42 Acenaphthene-d10	619161	309581	1238322	651080	5.16
59 Phenanthrene-d10	992768	496384	1985536	1057087	6.48
69 Chrysene-d12	642334	321167	1284668	683299	6.38
77 Perylene-d12	573362	286681	1146724	580845	1.31

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.52	9.02	10.02	9.52	-0.00
27 Naphthalene-d8	12.01	11.51	12.51	12.01	-0.00
42 Acenaphthene-d10	15.61	15.11	16.11	15.61	-0.00
59 Phenanthrene-d10	18.65	18.15	19.15	18.65	-0.00
69 Chrysene-d12	23.62	23.12	24.12	23.62	-0.00
77 Perylene-d12	26.41	25.91	26.91	26.41	-0.00

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

REVIEW SUMMARY FOR FILE - NT1708172307S.D

Lab ID: BLH0329-BS1
nt17.i, 20230817.b\SIM.b\SIMABN2.m,   17-AUG-2023 23:20

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.962	0.952	0.0096	Benzoic acid
0.551	0.546	0.0053	N-Nitrosodimethylamine

RRT check based on Ccal File: SIM.b/NT1708172303S.D

On Column LOD for nt17.i, SIM.b\SIMABN2.m, PSDDA.sub = 0.0000

Exception: 1,2,4-Trichlorobenzene 0.0010

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

Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT17081723085.D

Date : 17-AUG-2023 23:57

Client ID:

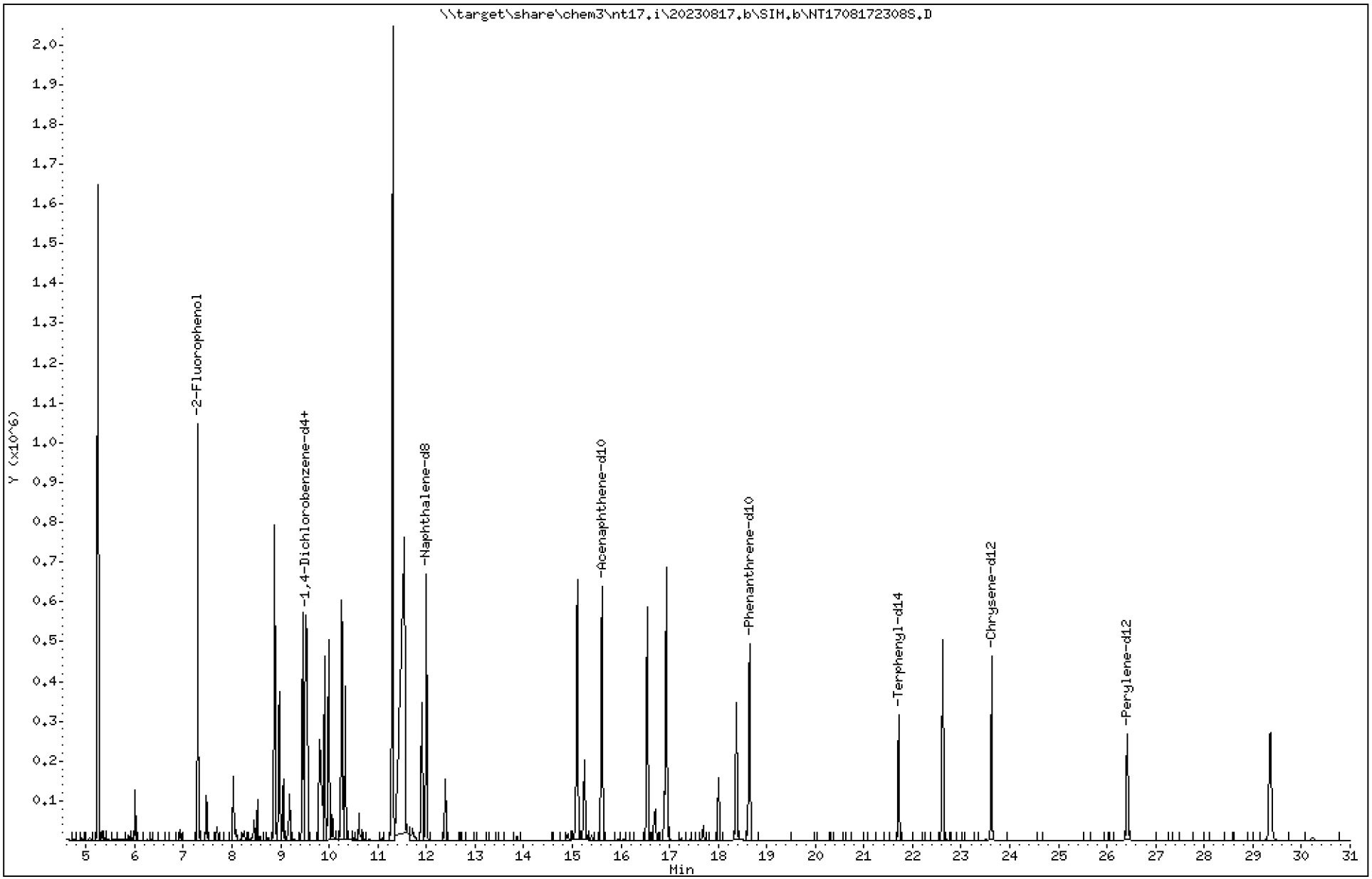
Sample Info: BLH0329-BSD1

Column phase: ZB-5msi

Instrument: nt17.i

Operator: JGR

Column diameter: 0.25



Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172308S.D

Date : 17-AUG-2023 23:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BSD1

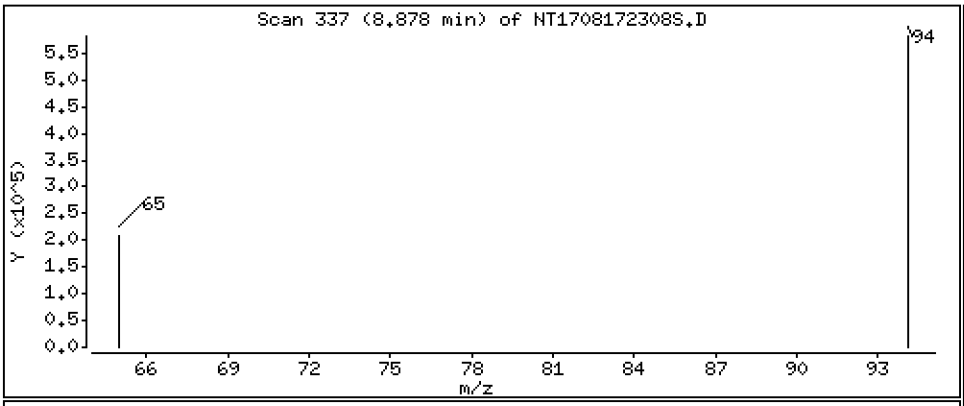
Operator: JGR

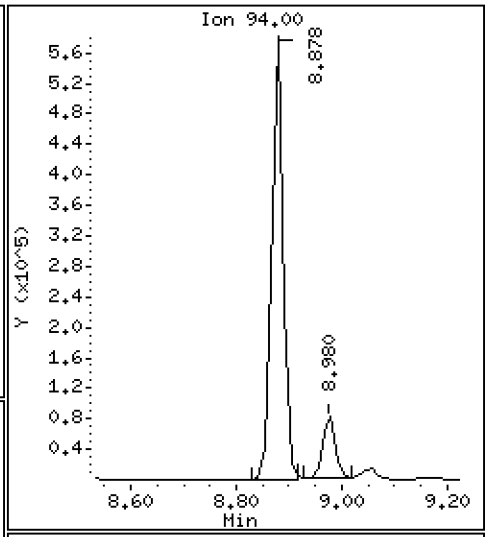
Column phase: ZB-5msi

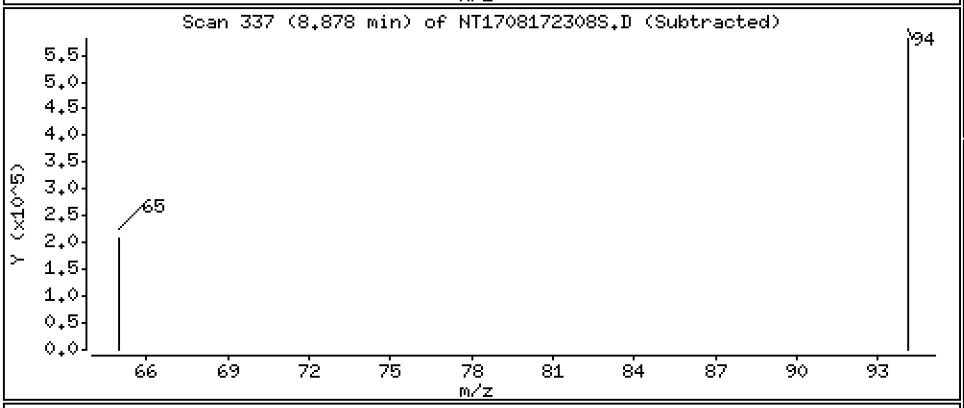
Column diameter: 0.25

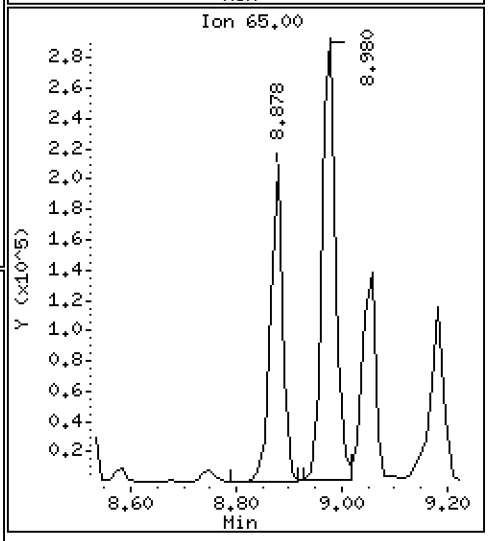
3 Phenol

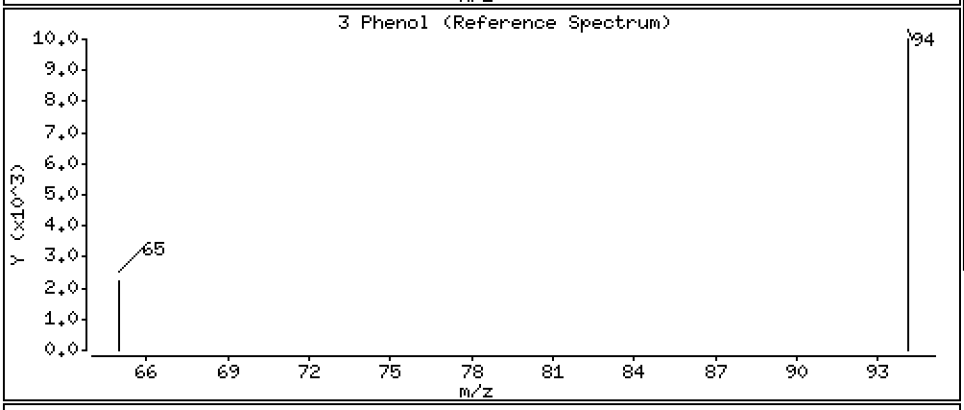
Concentration: 4.119 ug/mL

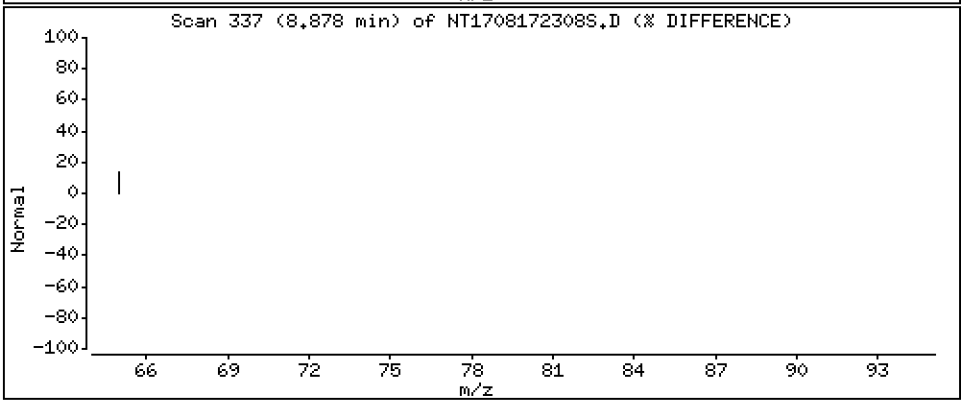












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172308S.D

Date : 17-AUG-2023 23:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BSD1

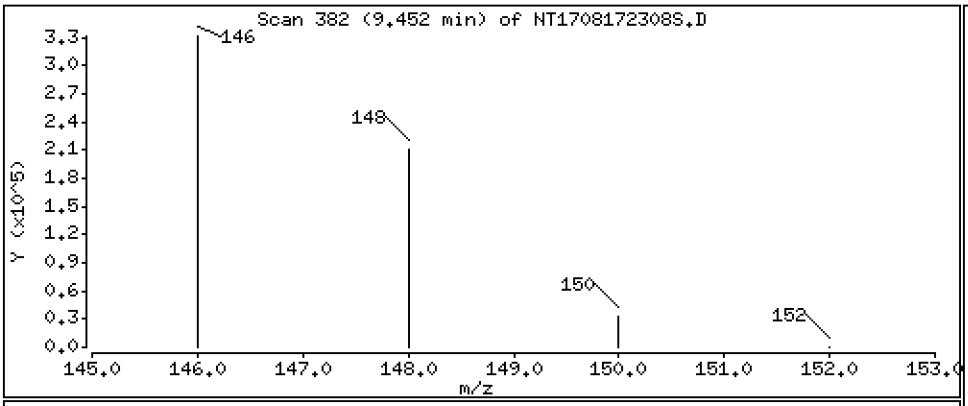
Operator: JGR

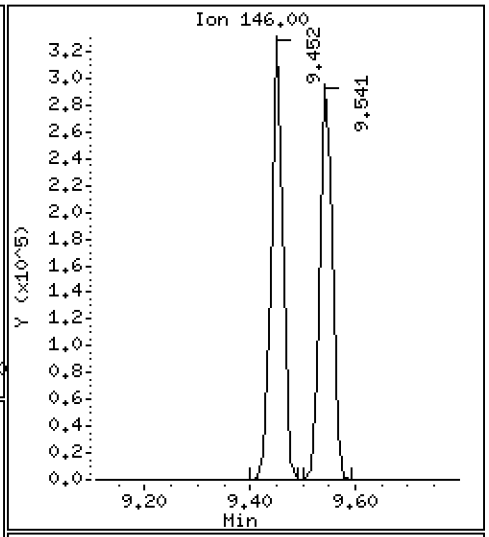
Column phase: ZB-5msi

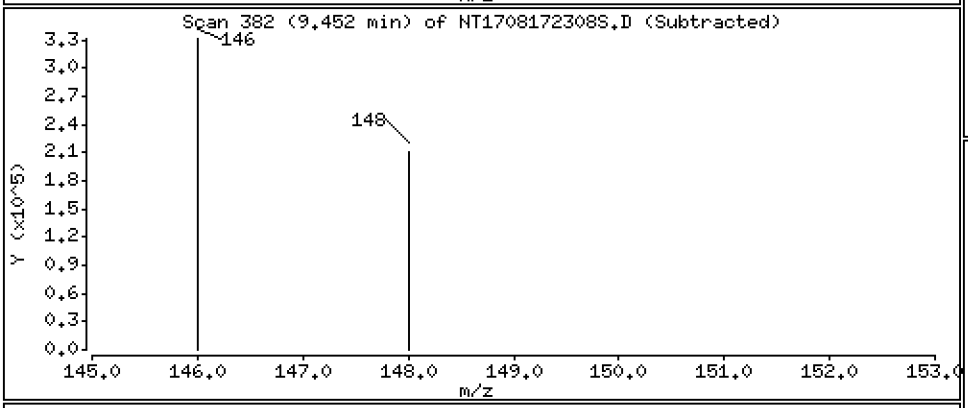
Column diameter: 0.25

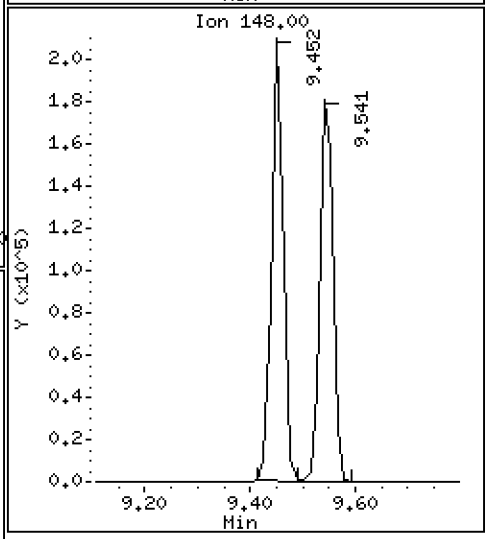
7 1,3-Dichlorobenzene

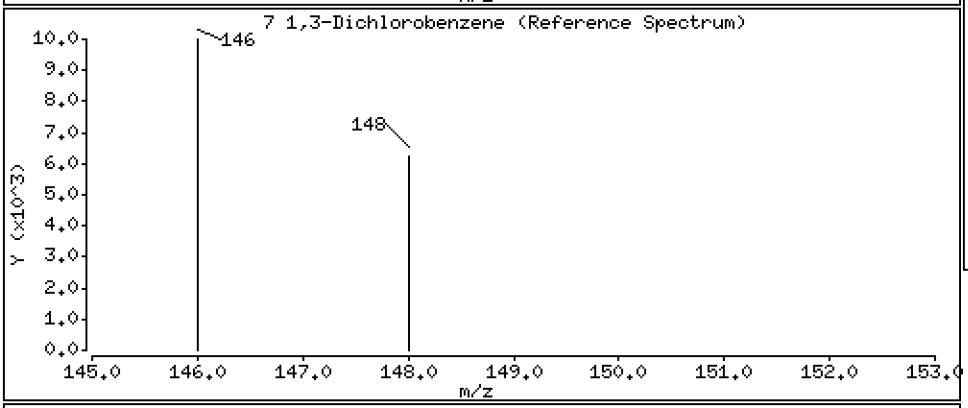
Concentration: 3.540 ug/mL

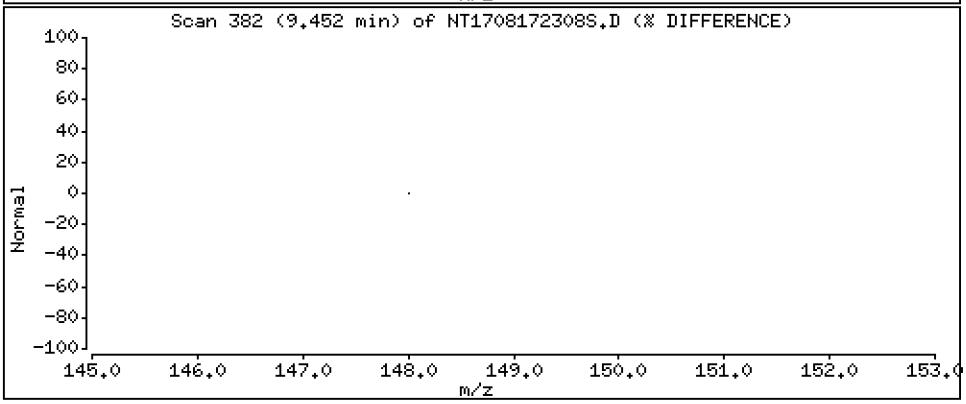












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Date : 17-AUG-2023 23:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BSD1

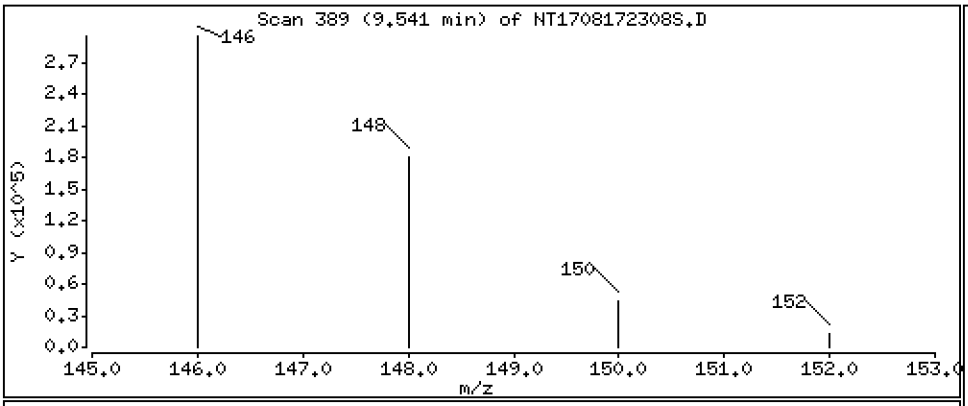
Operator: JGR

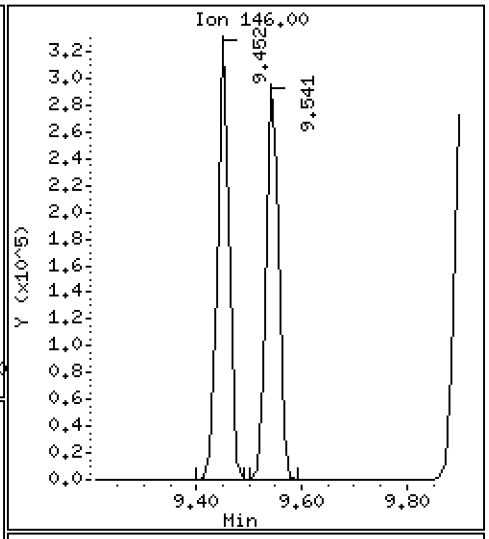
Column phase: ZB-5msi

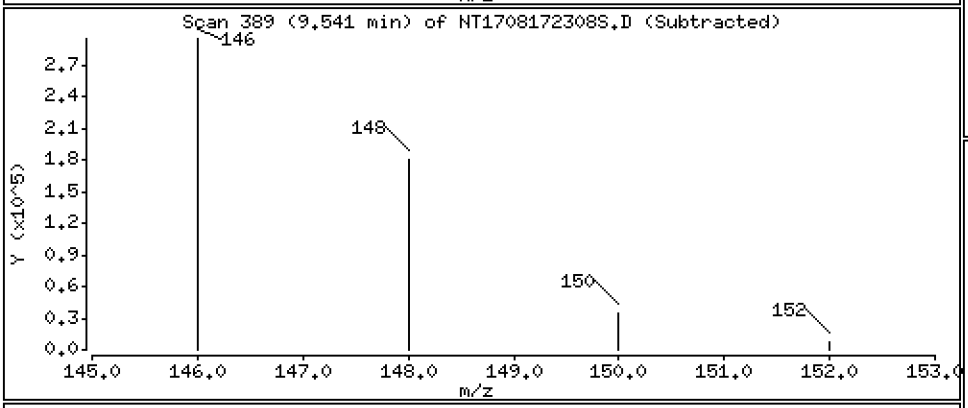
Column diameter: 0.25

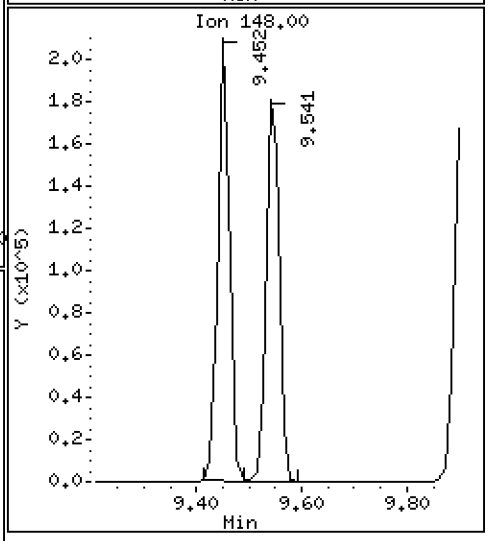
9 1,4-Dichlorobenzene

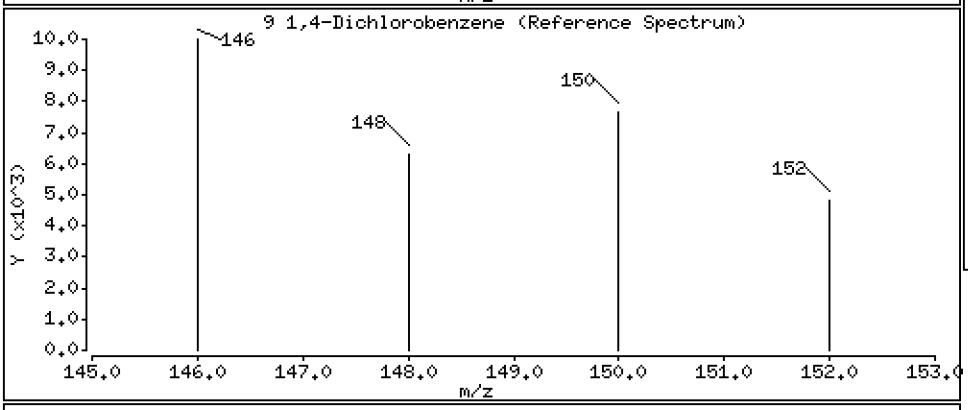
Concentration: 3.570 ug/mL

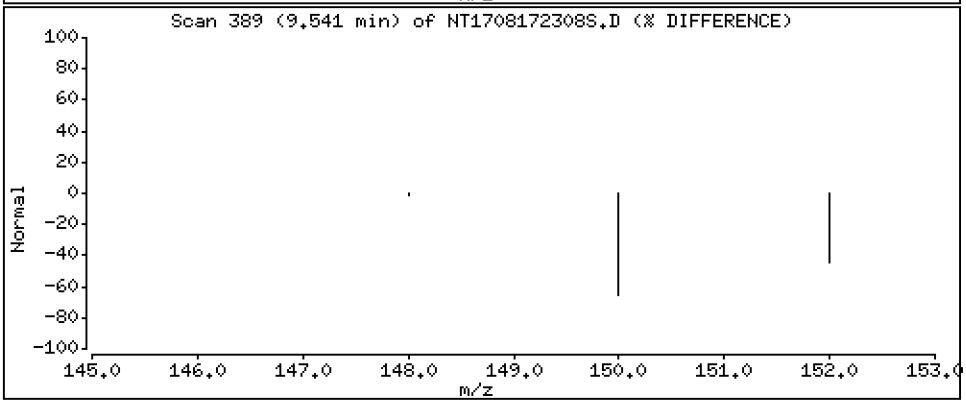












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172308S.D

Date : 17-AUG-2023 23:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BSD1

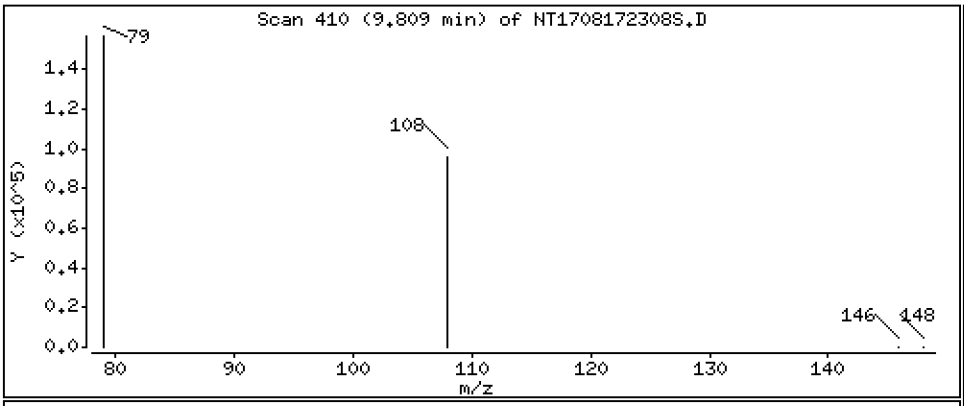
Operator: JGR

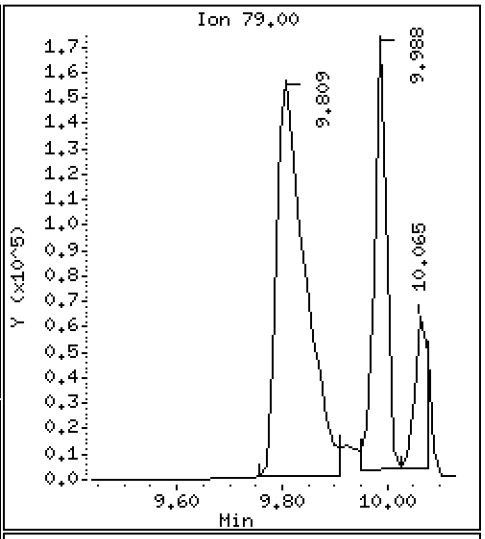
Column phase: ZB-5msi

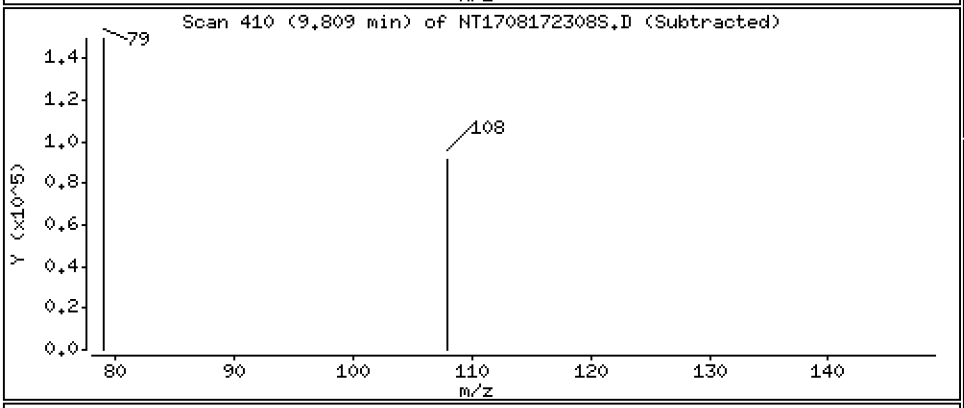
Column diameter: 0.25

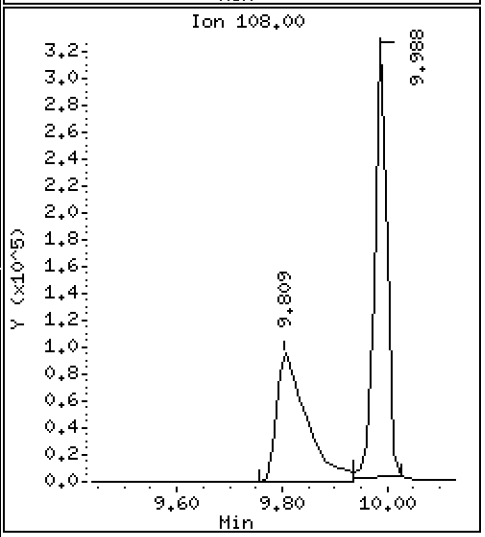
11 Benzyl alcohol

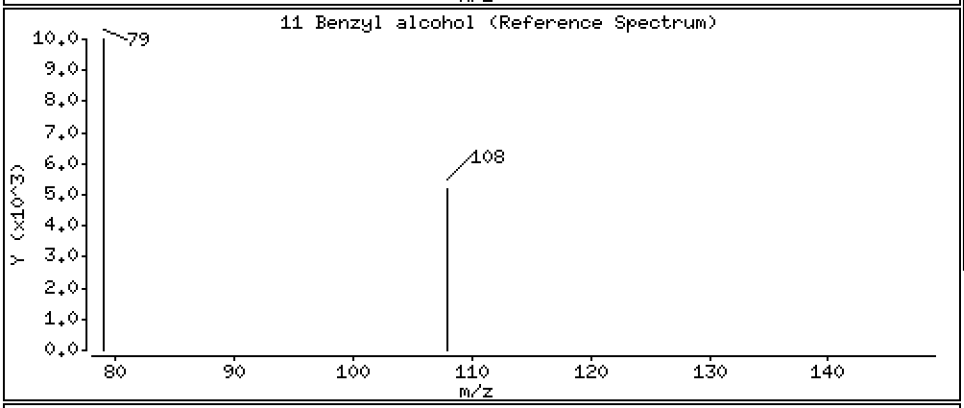
Concentration: 4.047 ug/mL

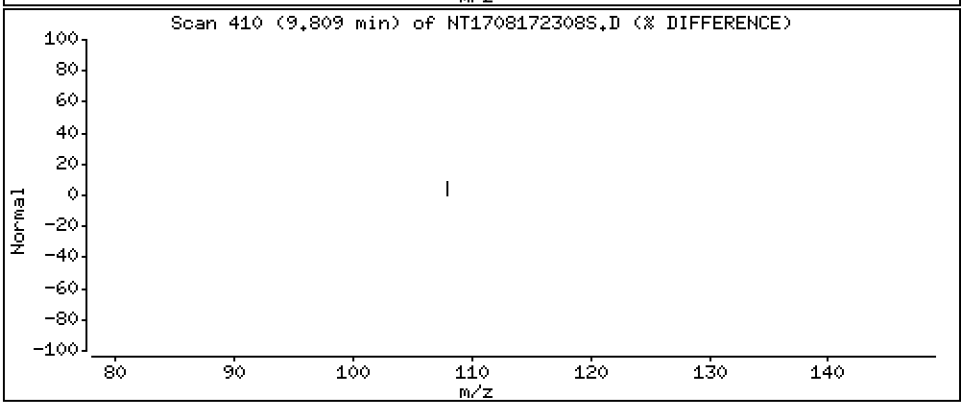












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172308S.D

Date : 17-AUG-2023 23:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BSD1

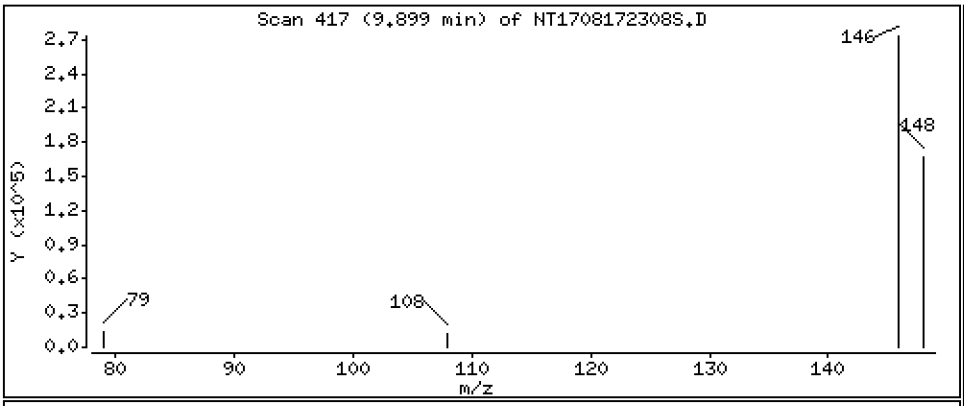
Operator: JGR

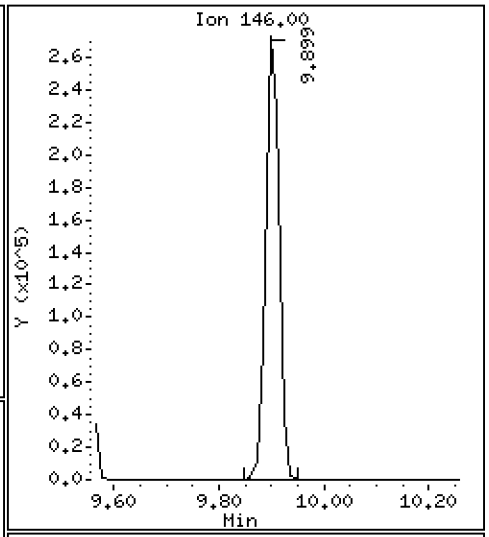
Column phase: ZB-5msi

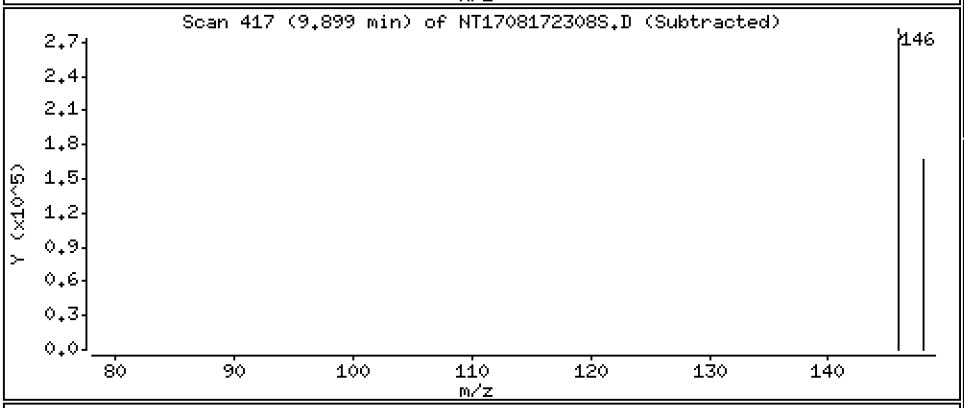
Column diameter: 0.25

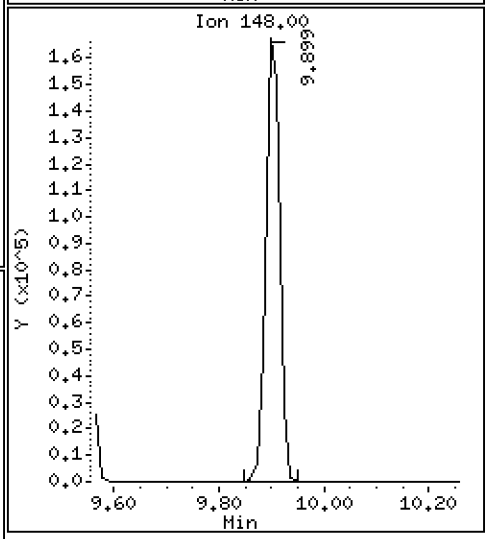
12 1,2-Dichlorobenzene

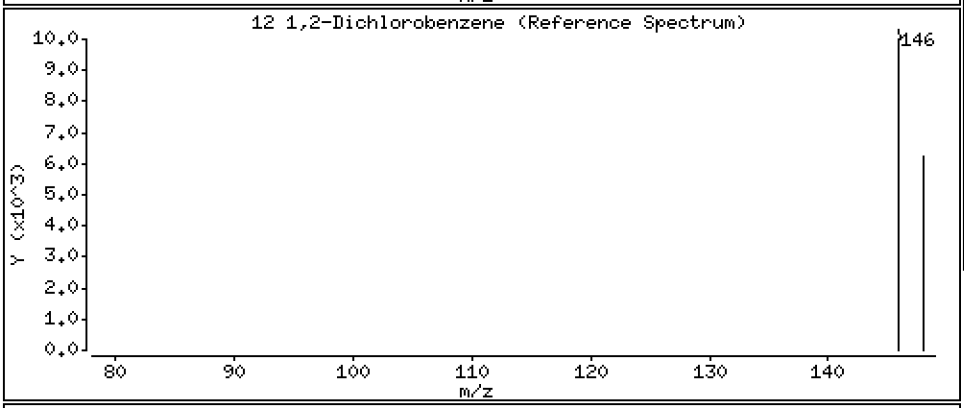
Concentration: 3.625 ug/mL

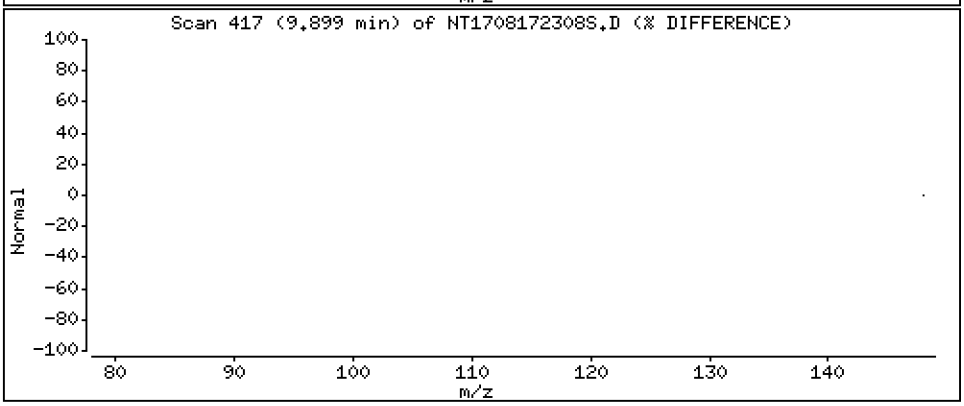












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Date : 17-AUG-2023 23:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BSD1

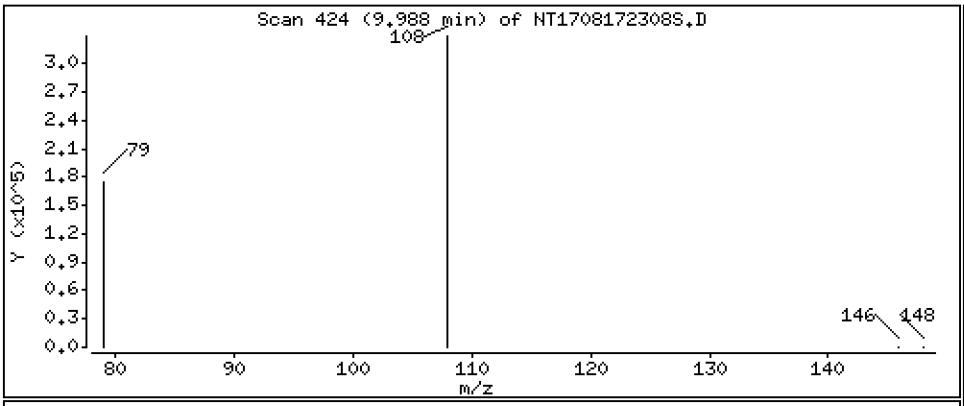
Operator: JGR

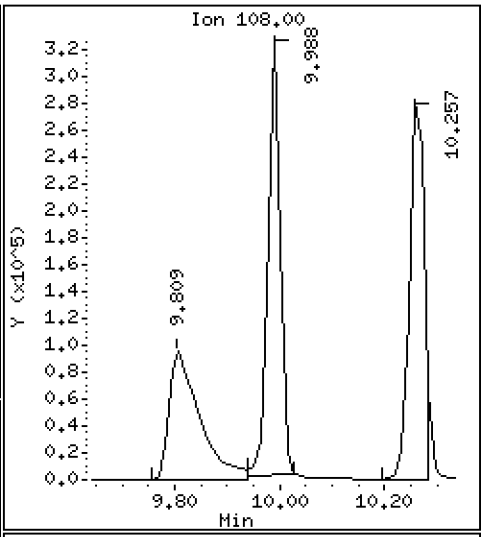
Column phase: ZB-5msi

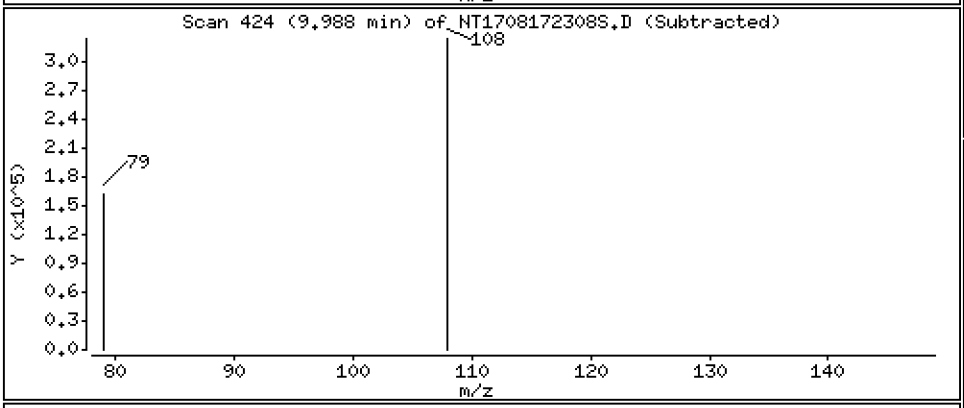
Column diameter: 0.25

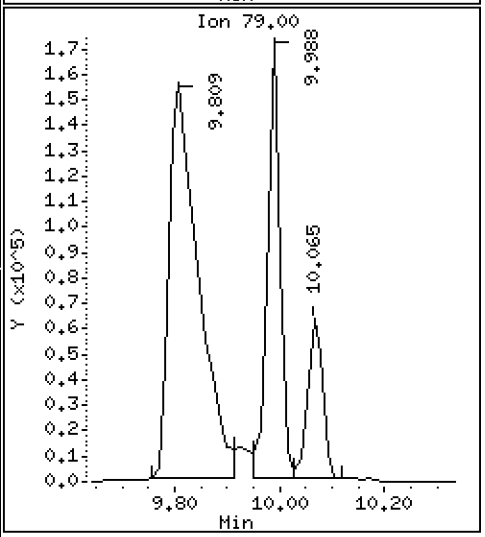
13 2-Methylphenol

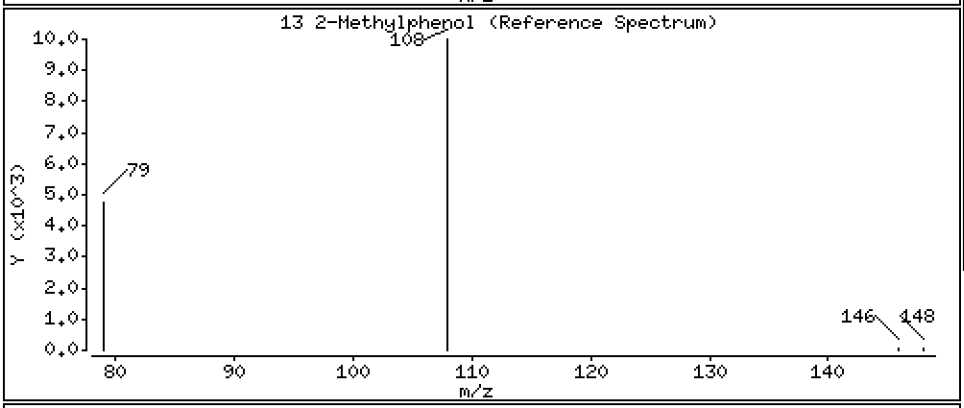
Concentration: 4.091 ug/mL

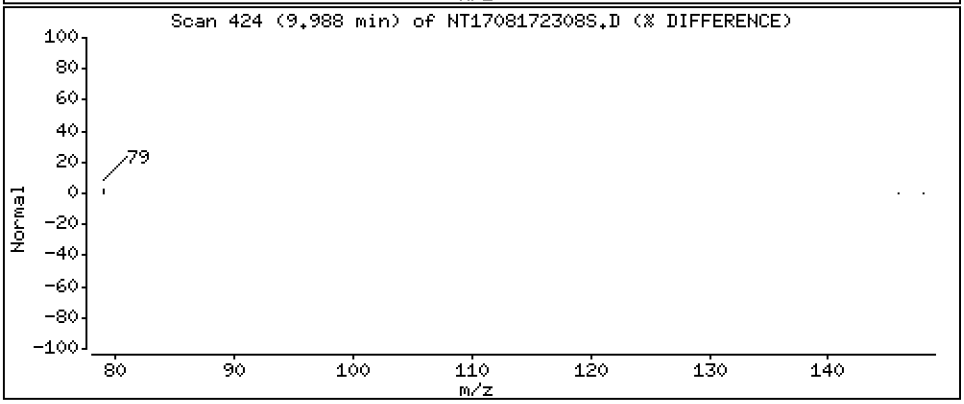












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Date : 17-AUG-2023 23:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BSD1

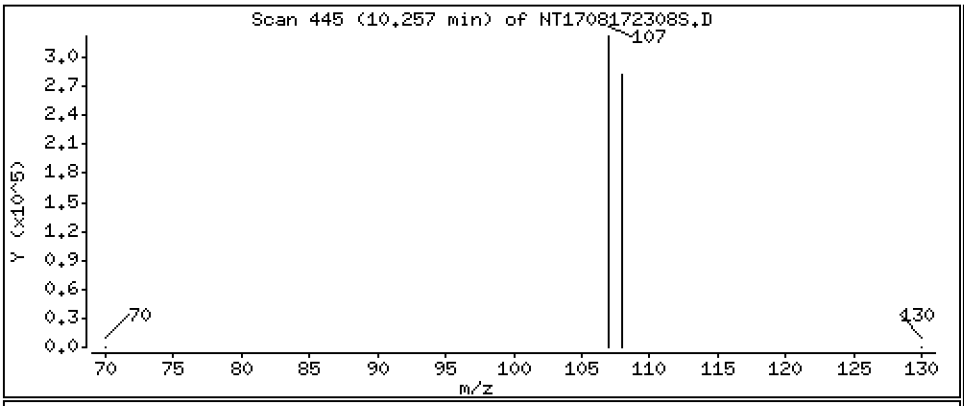
Operator: JGR

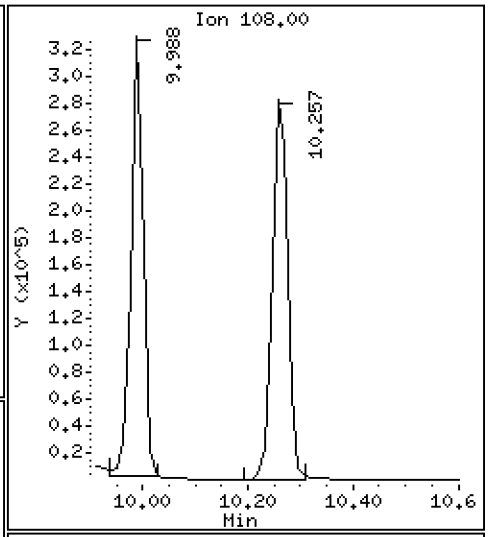
Column phase: ZB-5msi

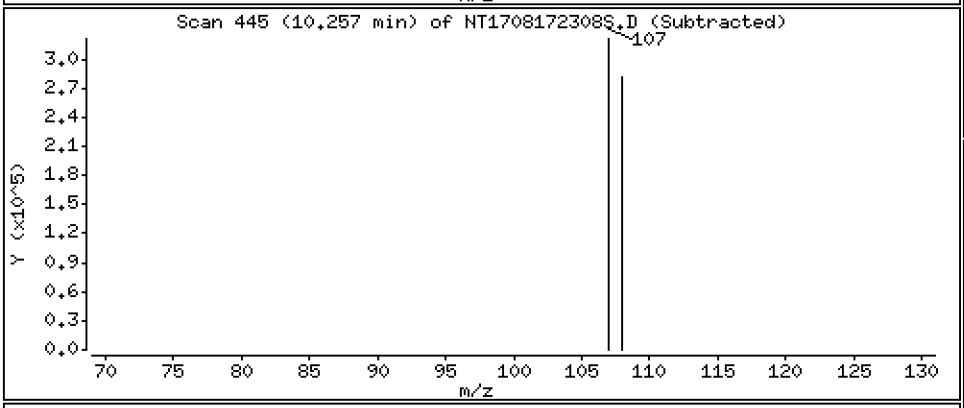
Column diameter: 0.25

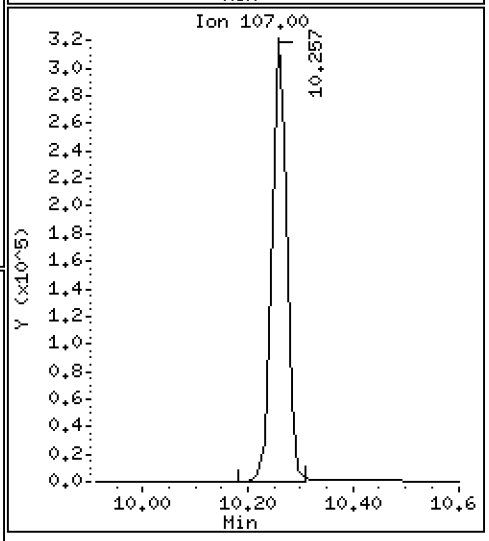
15 4-Methylphenol

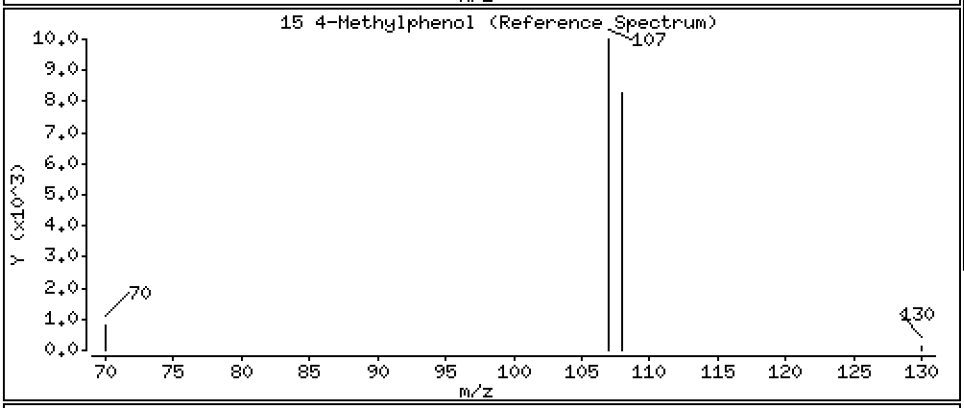
Concentration: 4.279 ug/mL

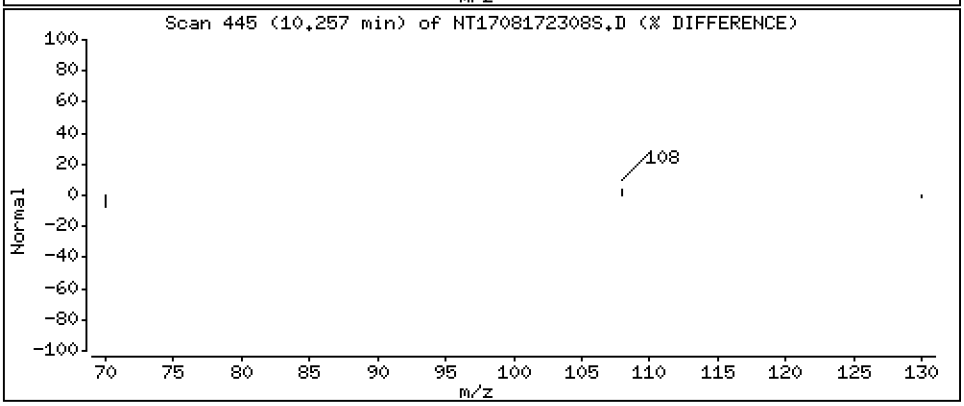












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Date : 17-AUG-2023 23:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BSD1

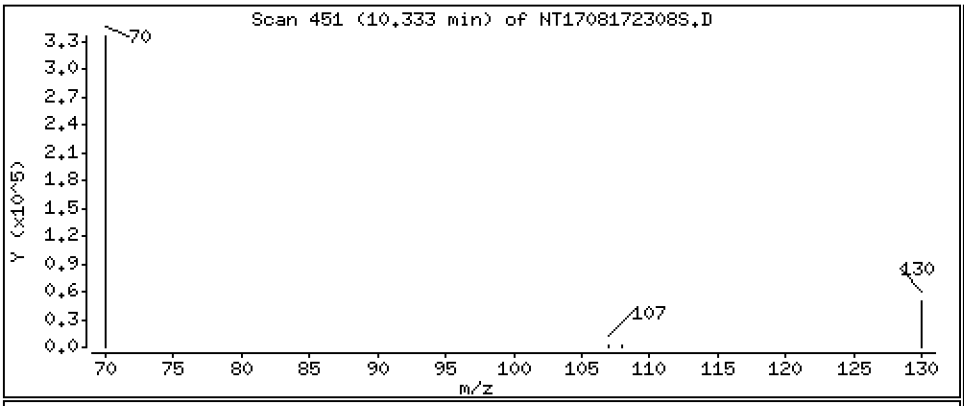
Operator: JGR

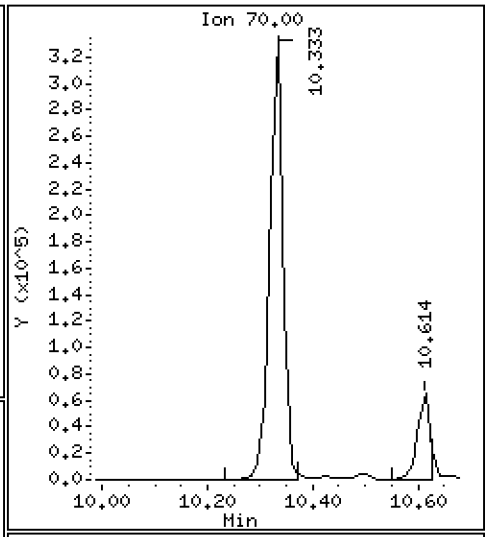
Column phase: ZB-5msi

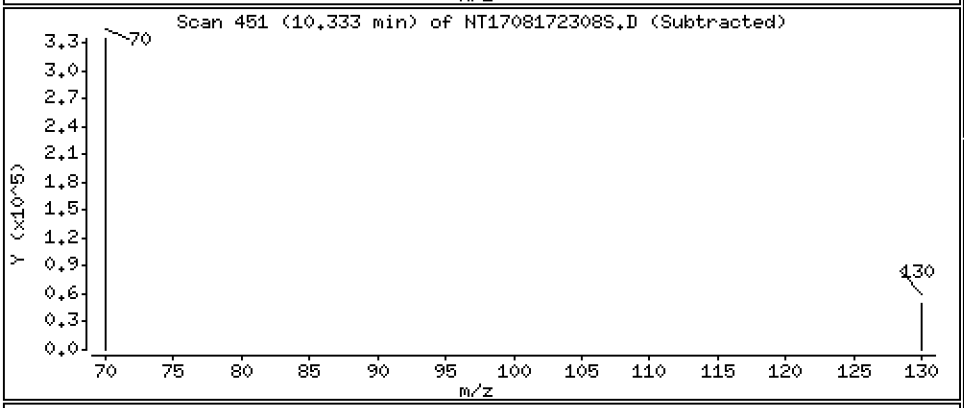
Column diameter: 0.25

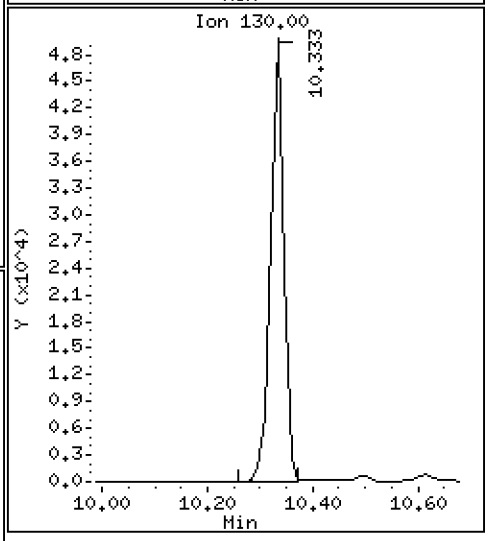
16 N-Nitroso-di-n-propylamine

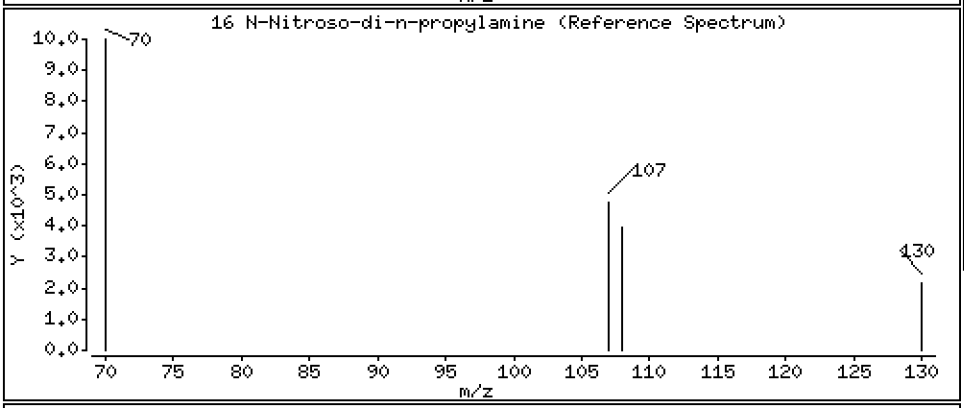
Concentration: 4.291 ug/mL

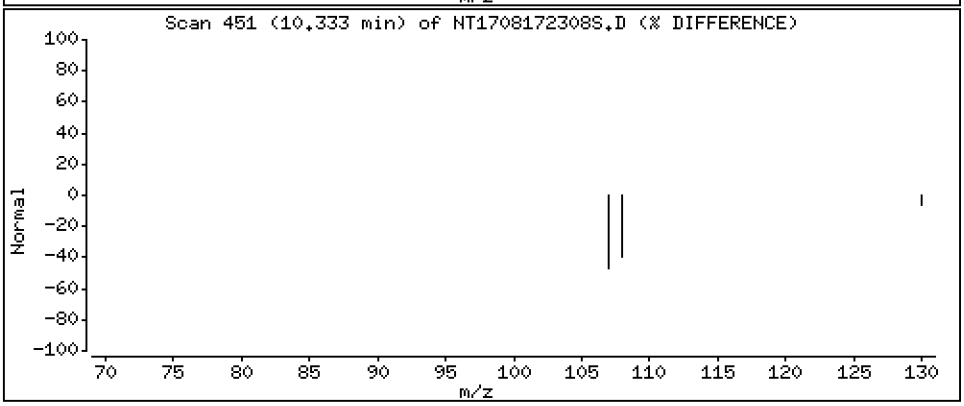












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Date : 17-AUG-2023 23:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BSD1

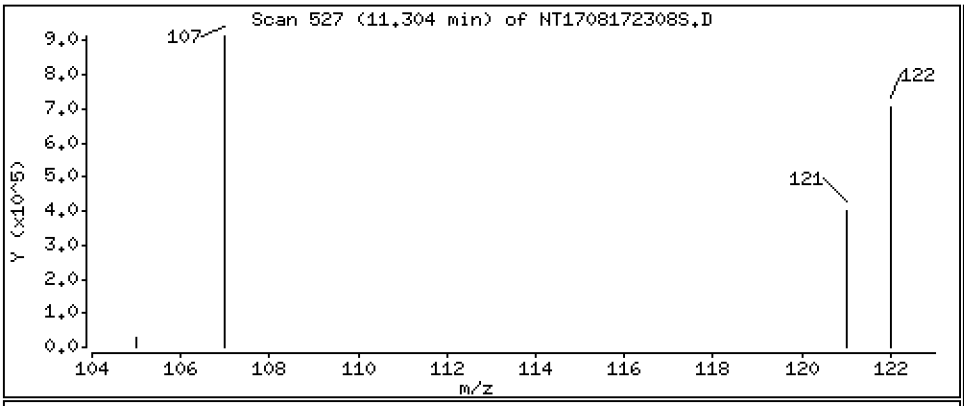
Operator: JGR

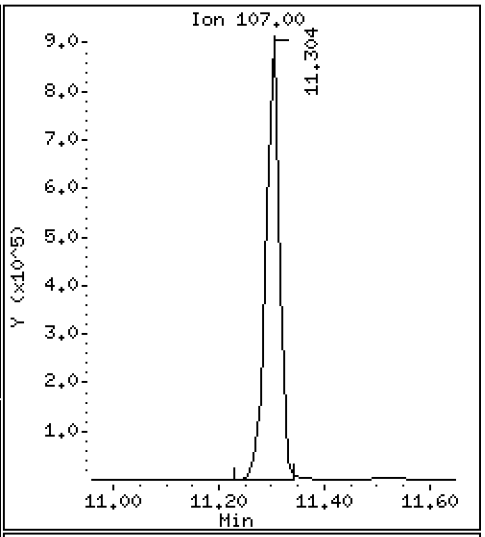
Column phase: ZB-5msi

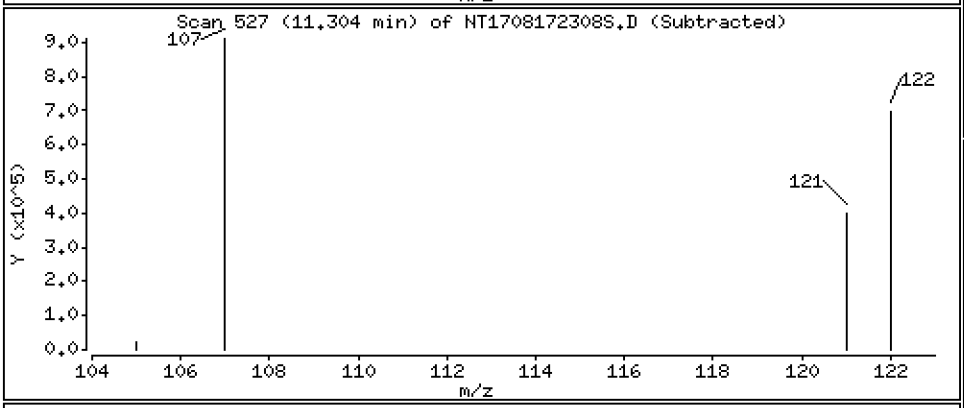
Column diameter: 0.25

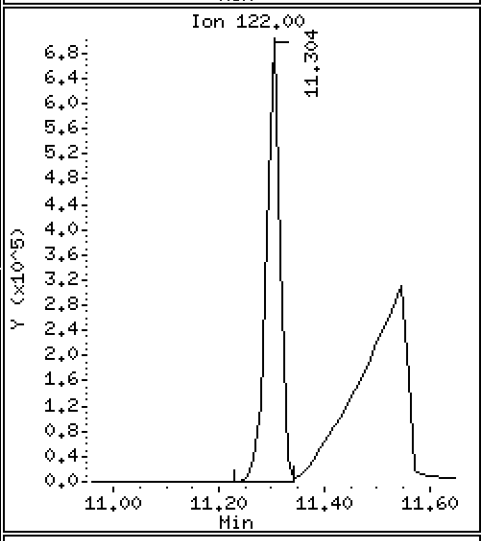
22 2,4-Dimethylphenol

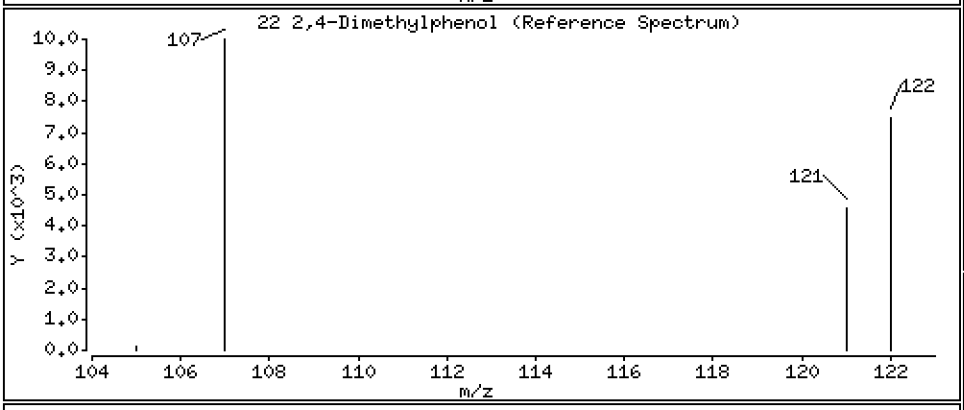
Concentration: 11.85 ug/mL

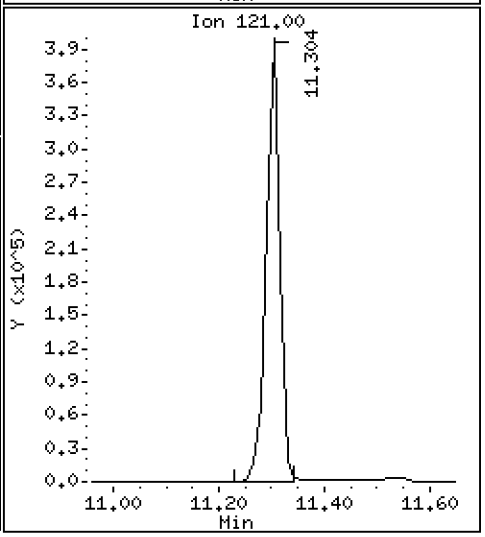


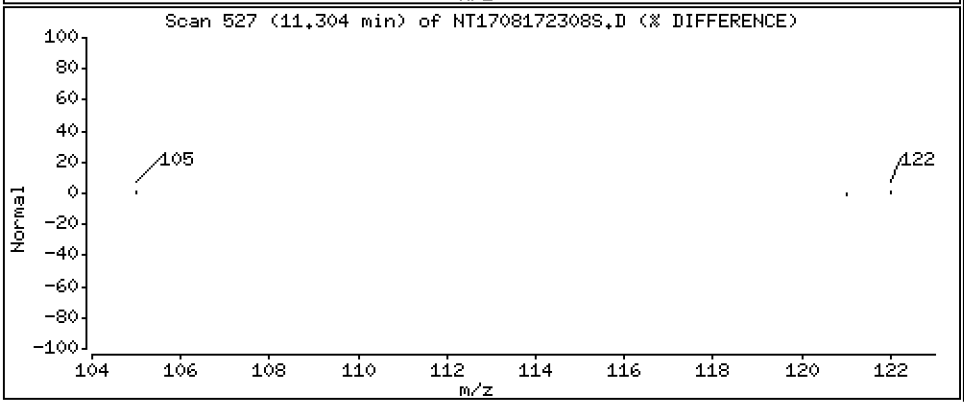












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172308S.D

Date : 17-AUG-2023 23:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BSD1

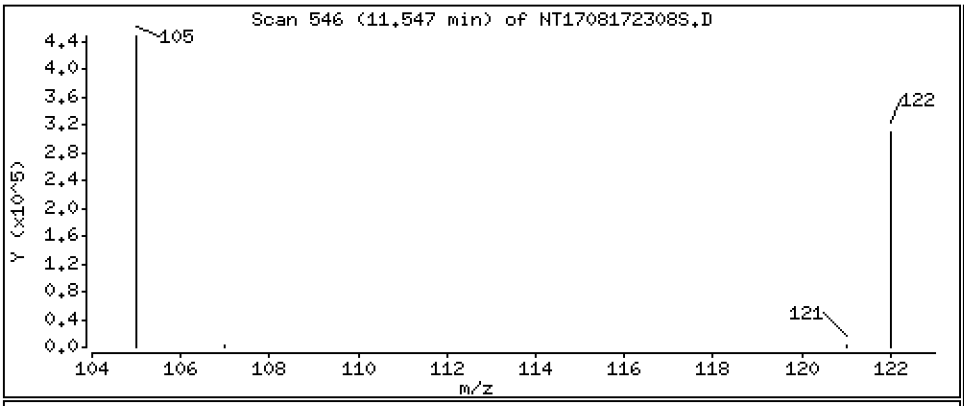
Operator: JGR

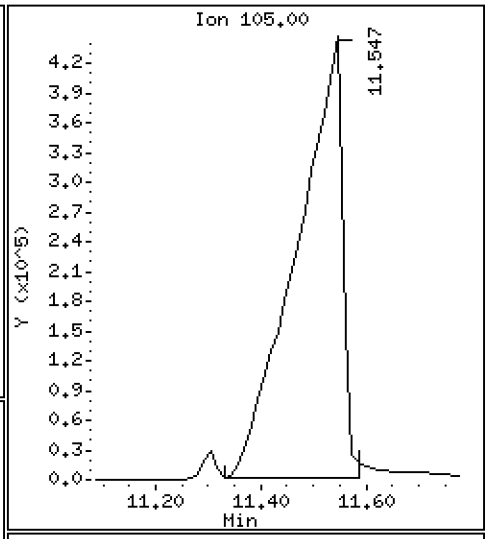
Column phase: ZB-5msi

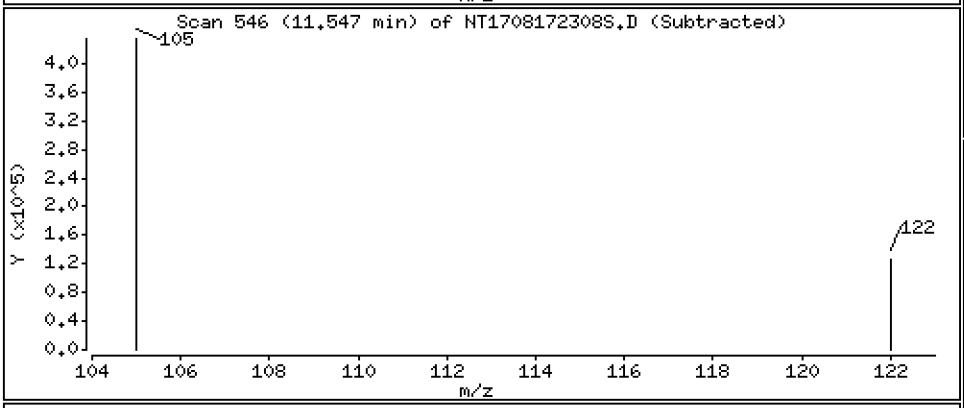
Column diameter: 0.25

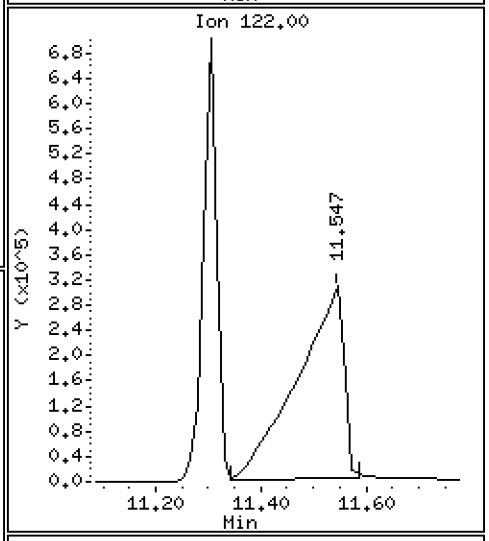
24 Benzoic acid

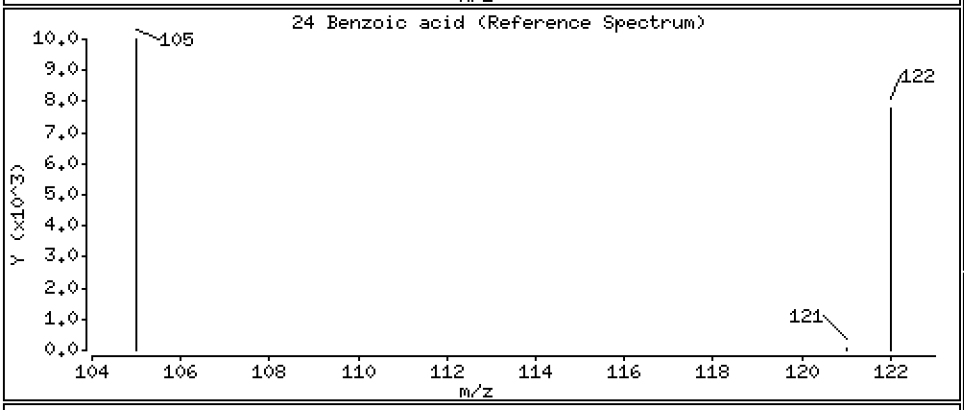
Concentration: 26.10 ug/mL

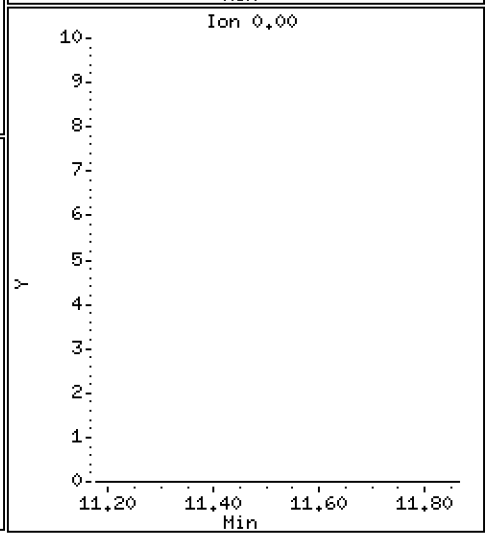


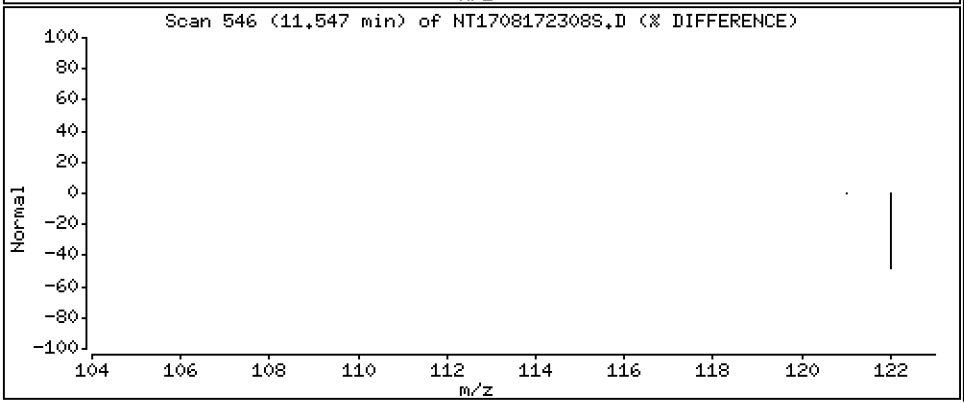












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Date : 17-AUG-2023 23:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BSD1

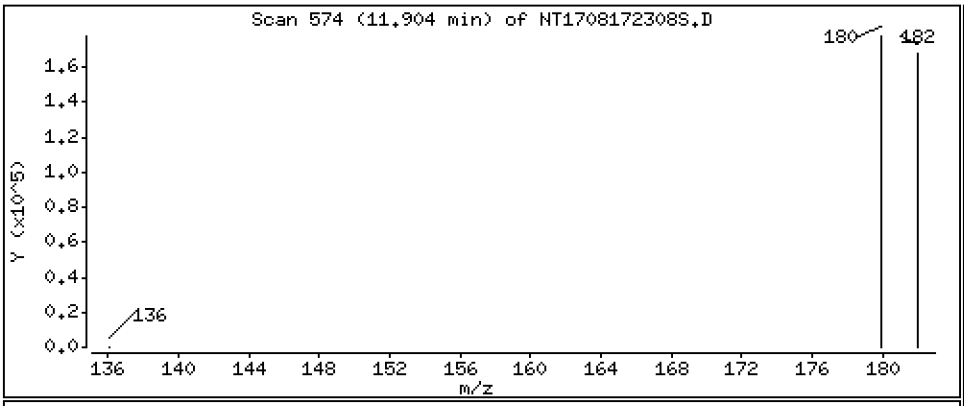
Operator: JGR

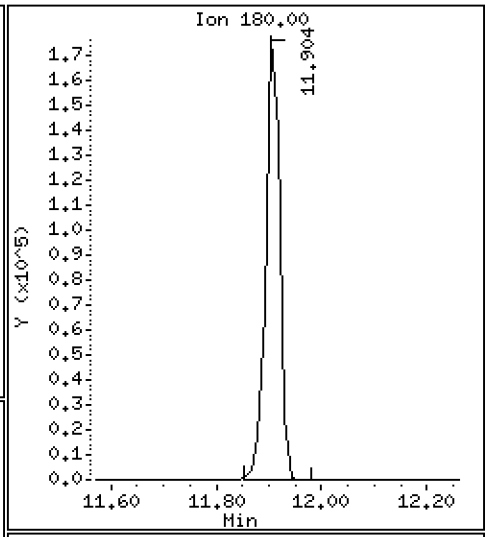
Column phase: ZB-5msi

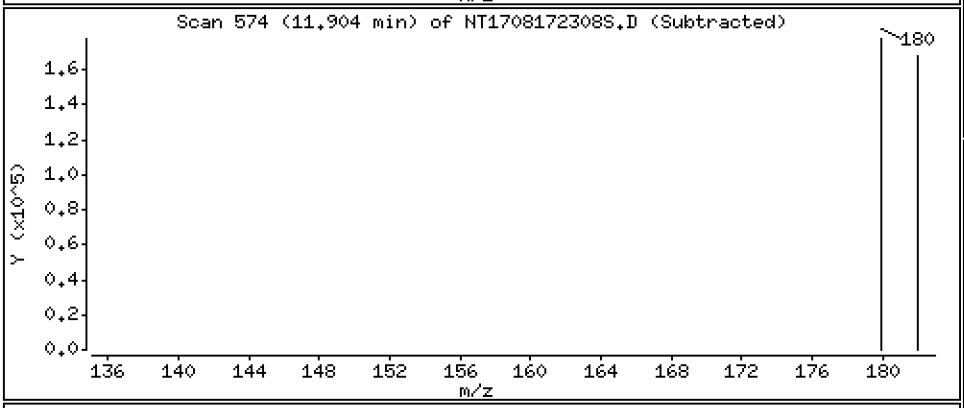
Column diameter: 0.25

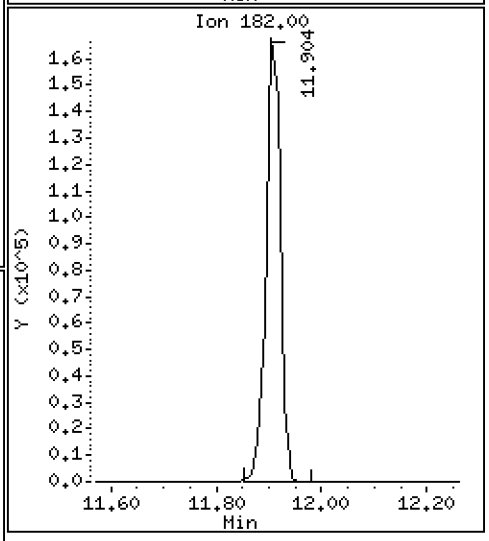
26 1,2,4-Trichlorobenzene

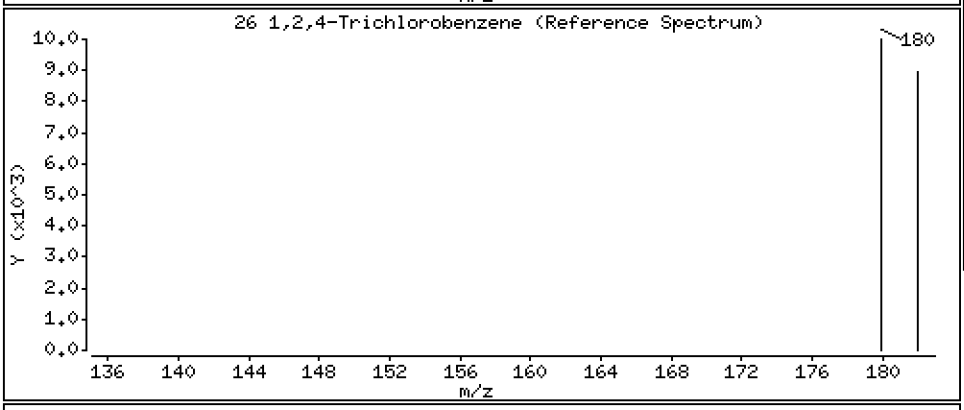
Concentration: 3.500 ug/mL

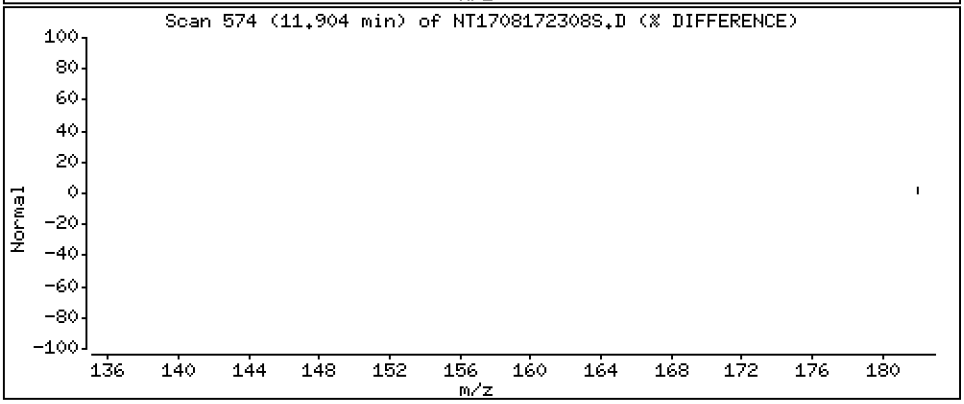












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Date : 17-AUG-2023 23:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BSD1

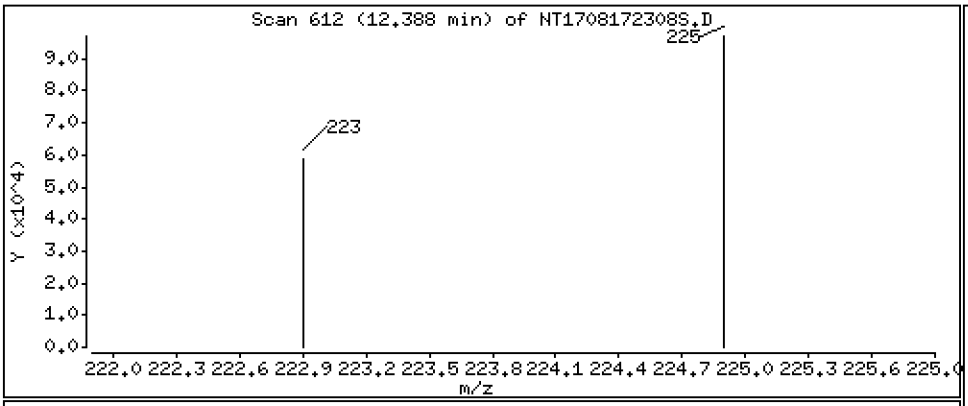
Operator: JGR

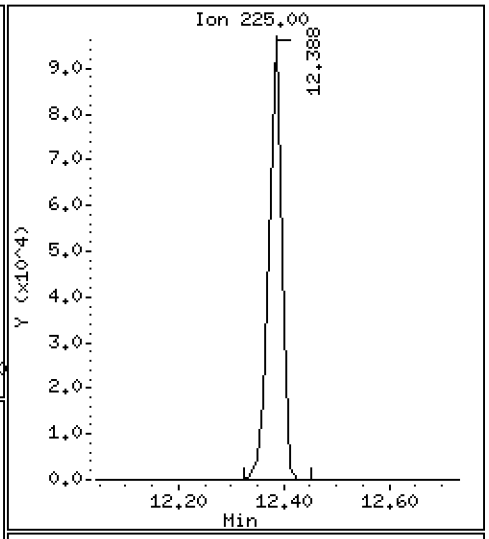
Column phase: ZB-5msi

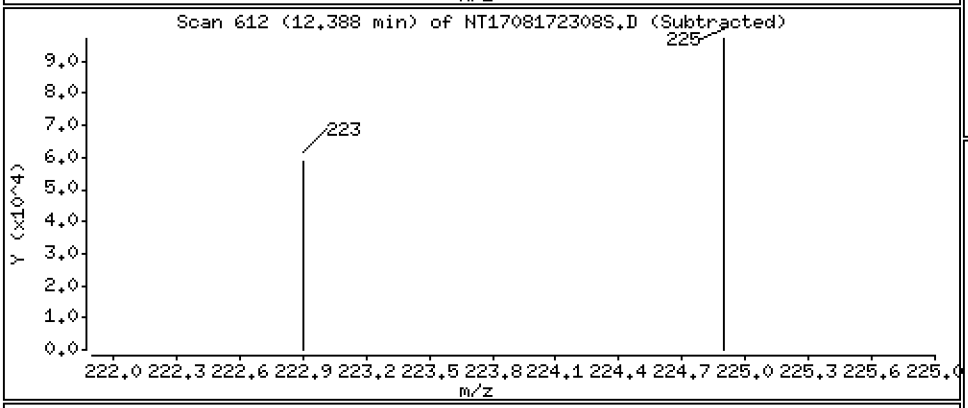
Column diameter: 0.25

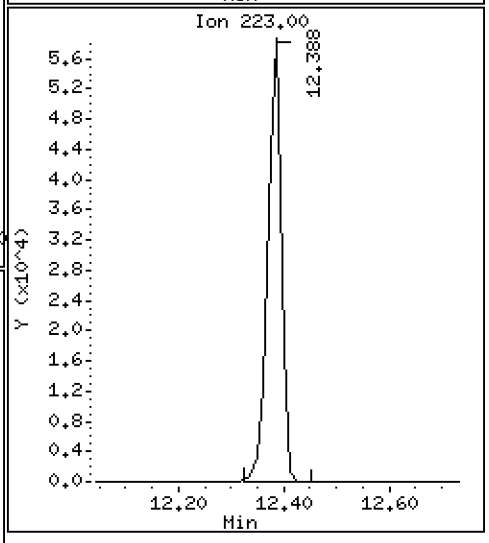
30 Hexachlorobutadiene

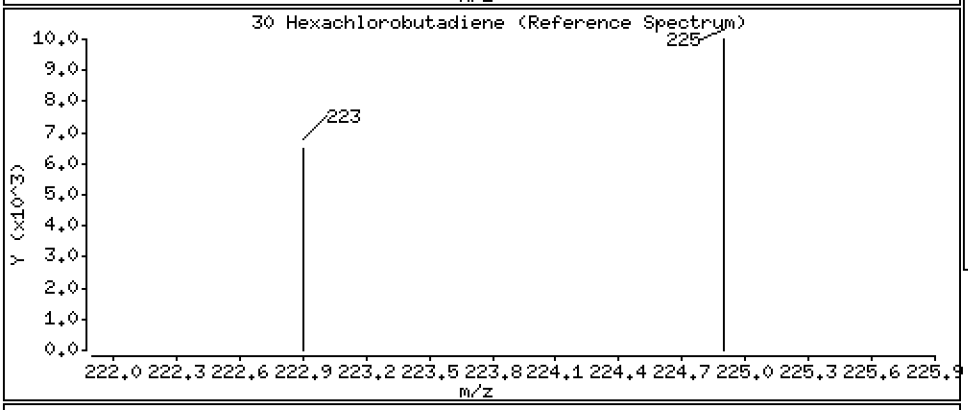
Concentration: 3.780 ug/mL

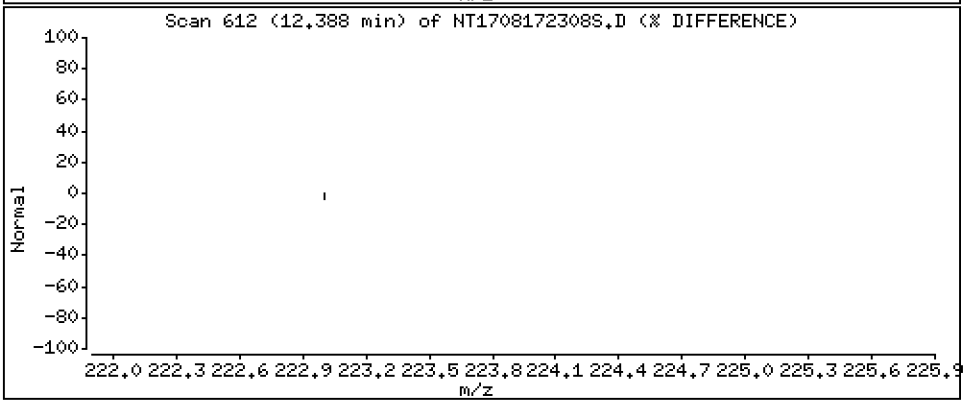












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Date : 17-AUG-2023 23:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BSD1

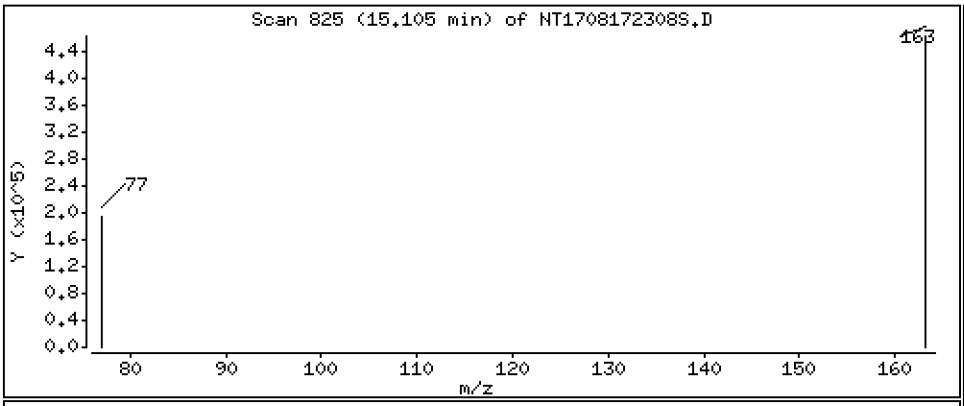
Operator: JGR

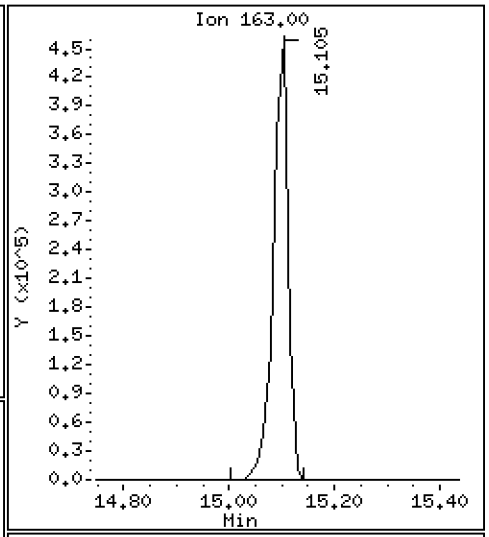
Column phase: ZB-5msi

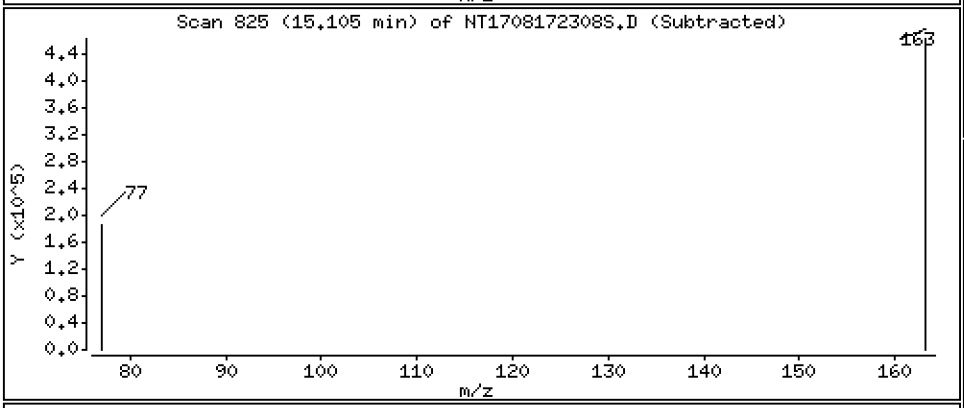
Column diameter: 0.25

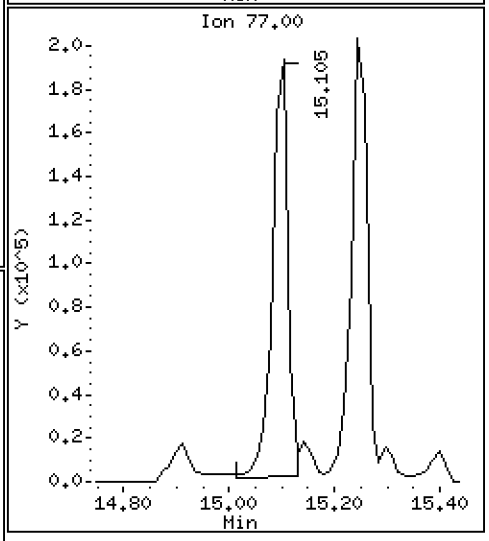
39 Dimethylphthalate

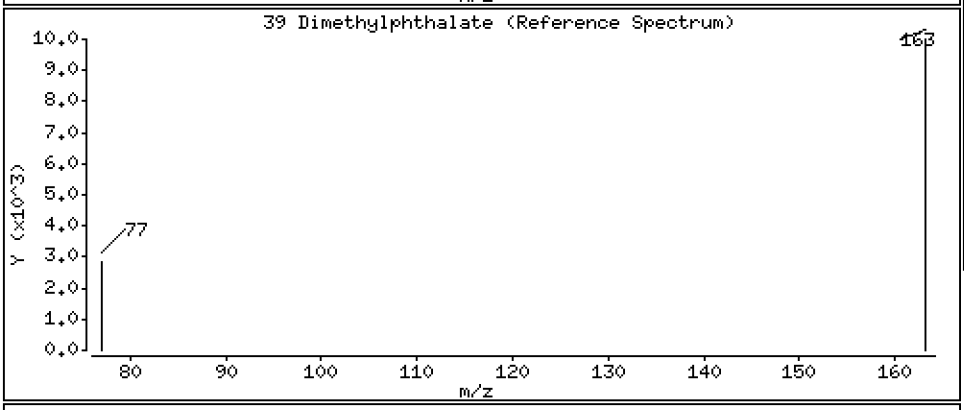
Concentration: 4.606 ug/mL

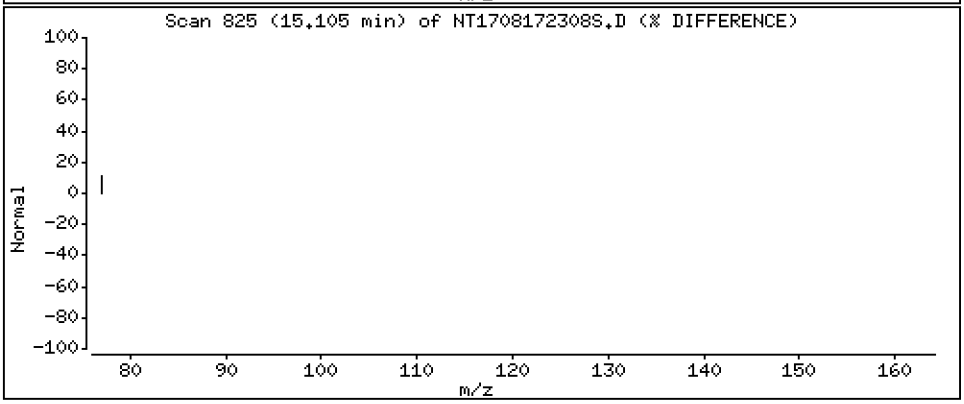












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Date : 17-AUG-2023 23:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BSD1

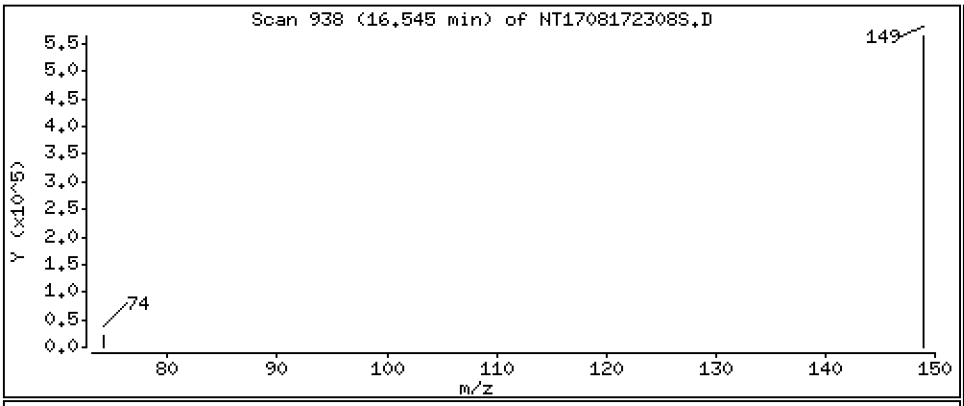
Operator: JGR

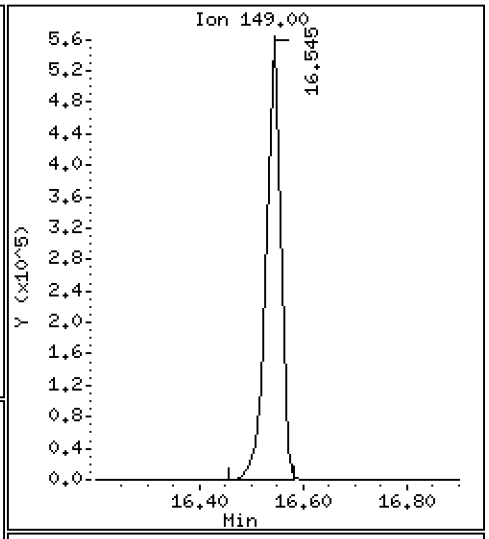
Column phase: ZB-5msi

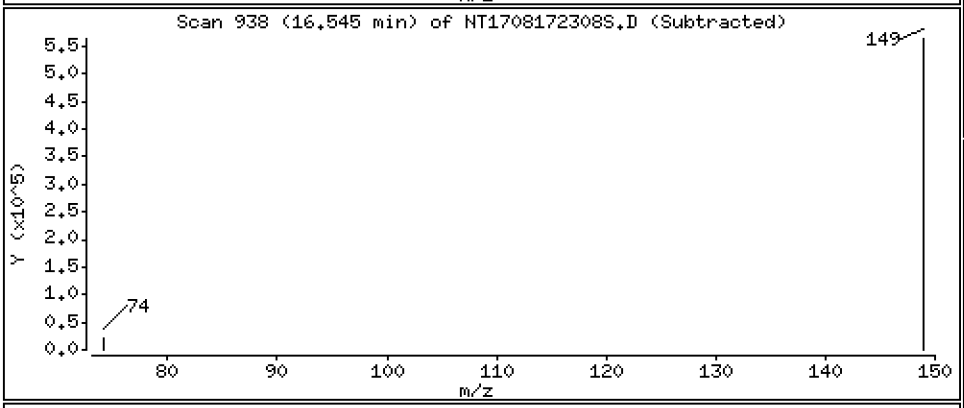
Column diameter: 0.25

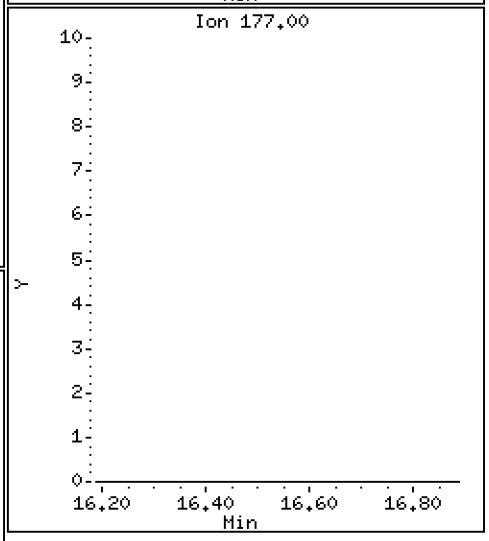
50 Diethylphthalate

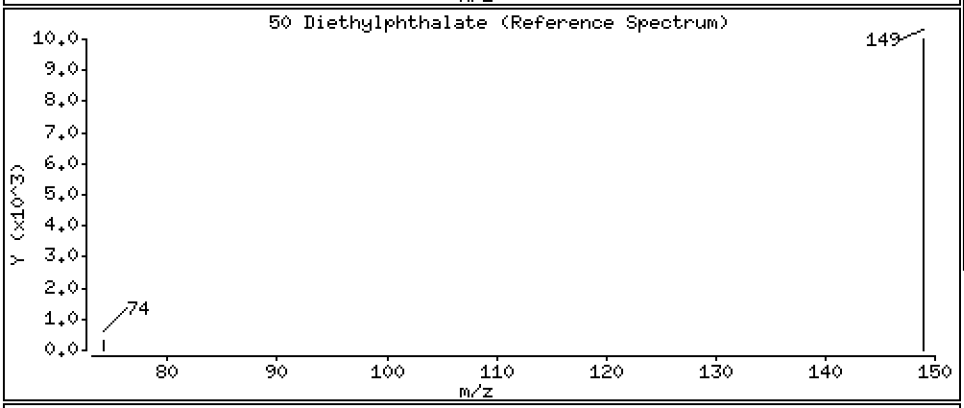
Concentration: 5.342 ug/mL

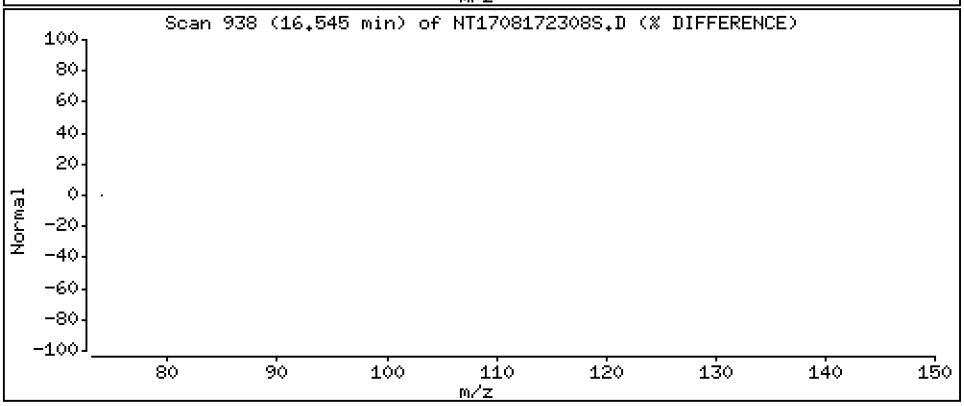












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Date : 17-AUG-2023 23:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BSD1

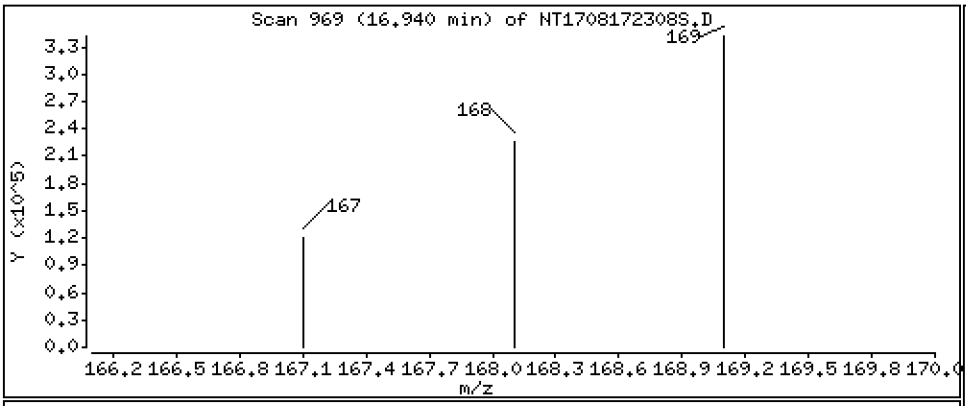
Operator: JGR

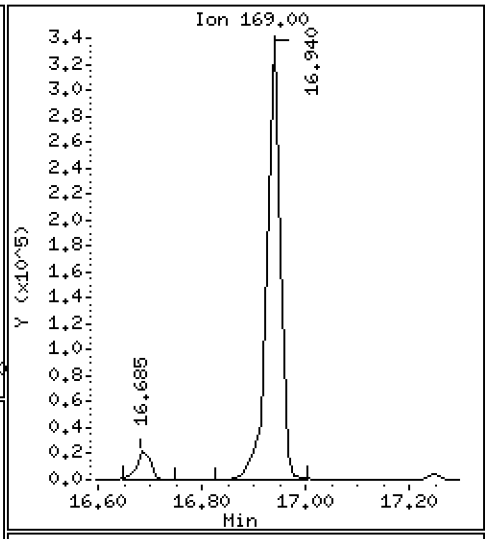
Column phase: ZB-5msi

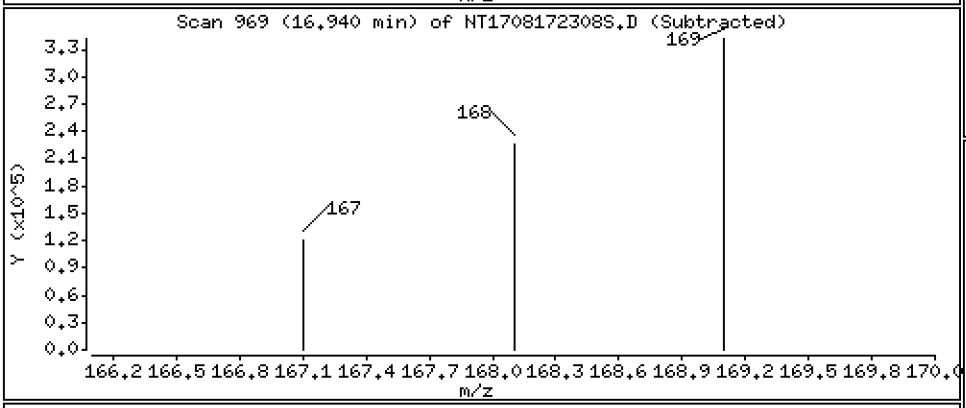
Column diameter: 0.25

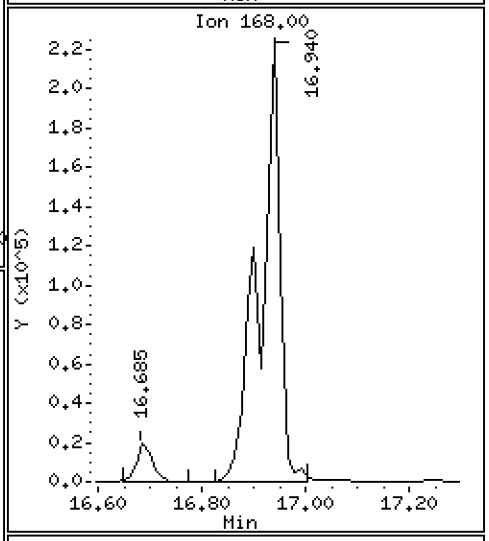
54 N-Nitrosodiphenylamine

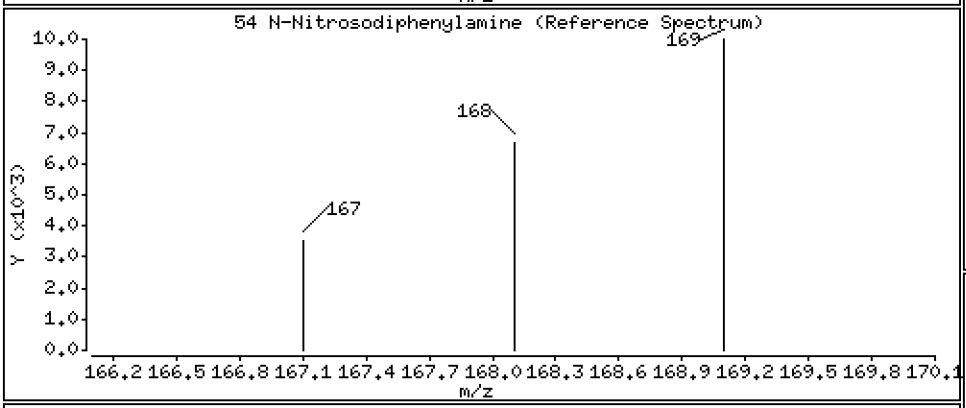
Concentration: 4.268 ug/mL

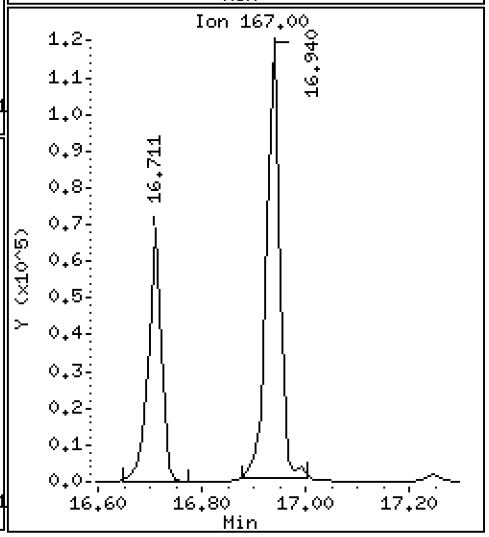


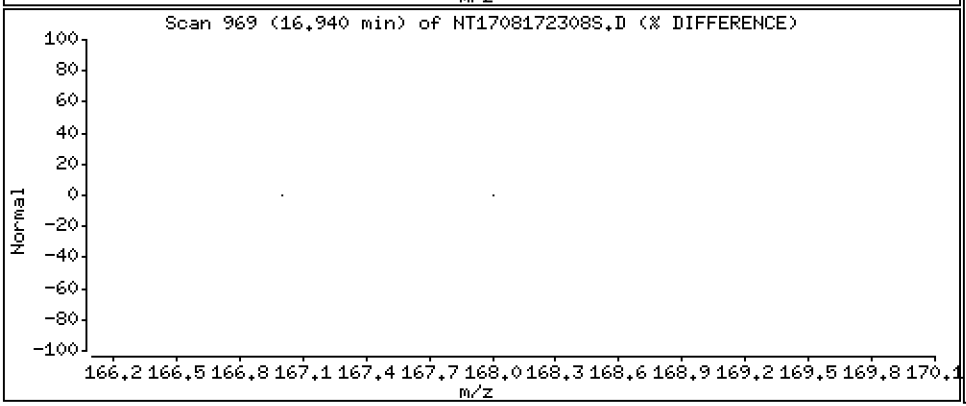












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Date : 17-AUG-2023 23:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BSD1

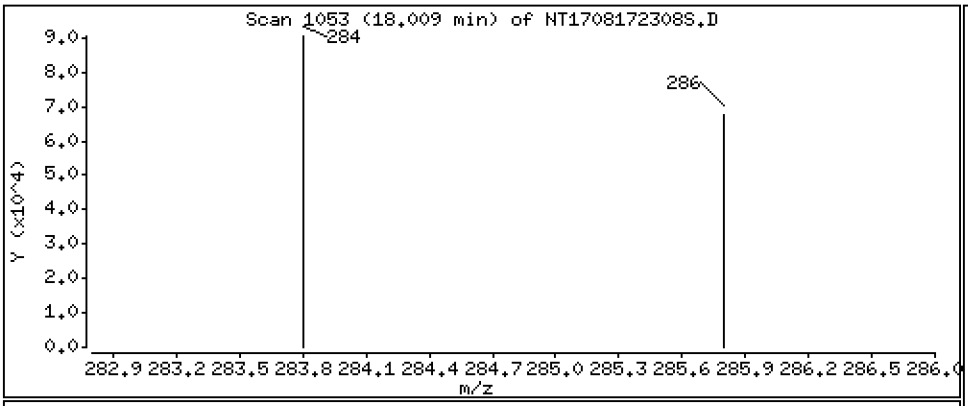
Operator: JGR

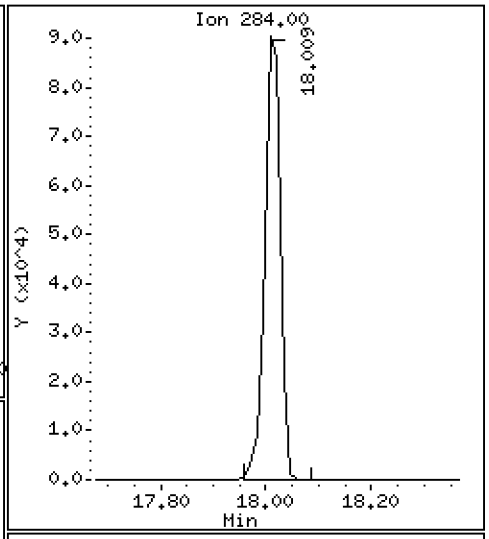
Column phase: ZB-5msi

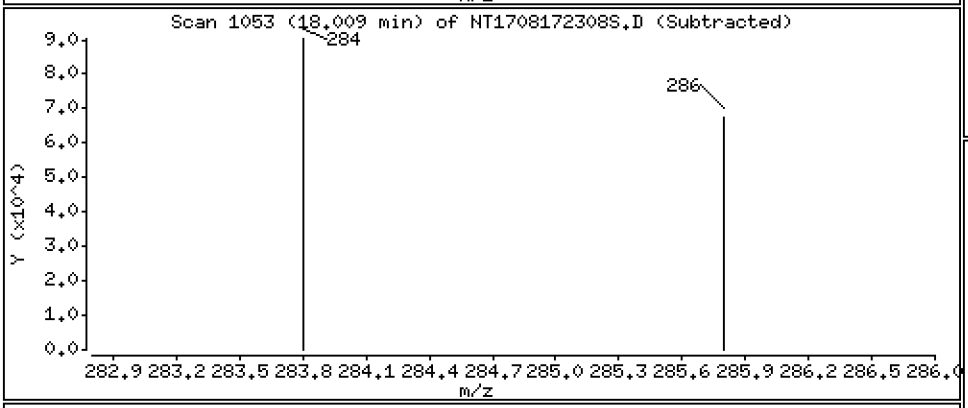
Column diameter: 0.25

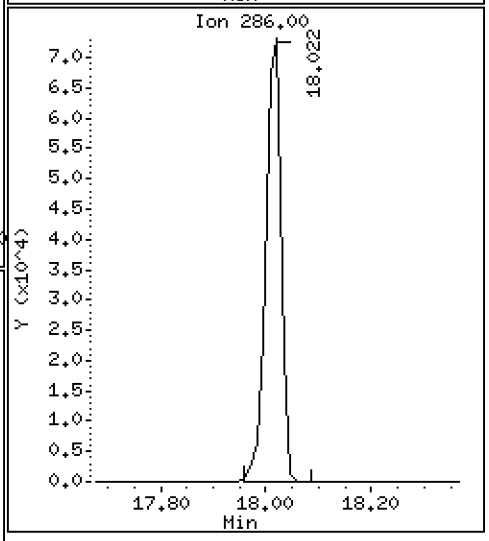
57 Hexachlorobenzene

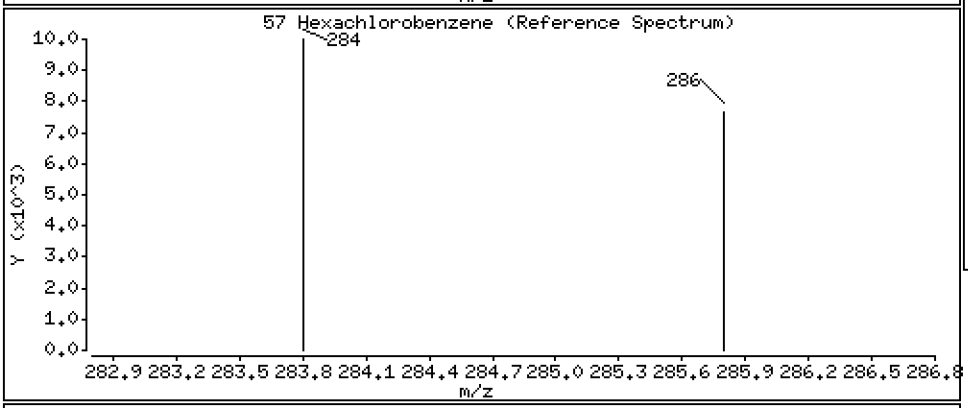
Concentration: 4.029 ug/mL

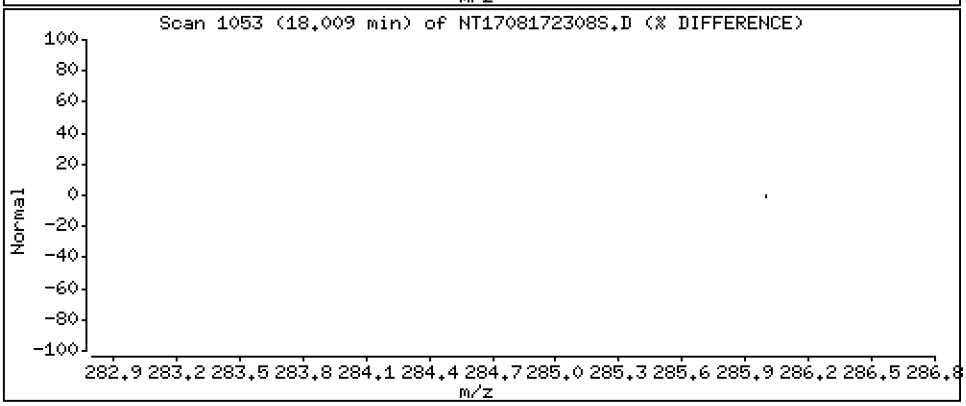












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Date : 17-AUG-2023 23:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BSD1

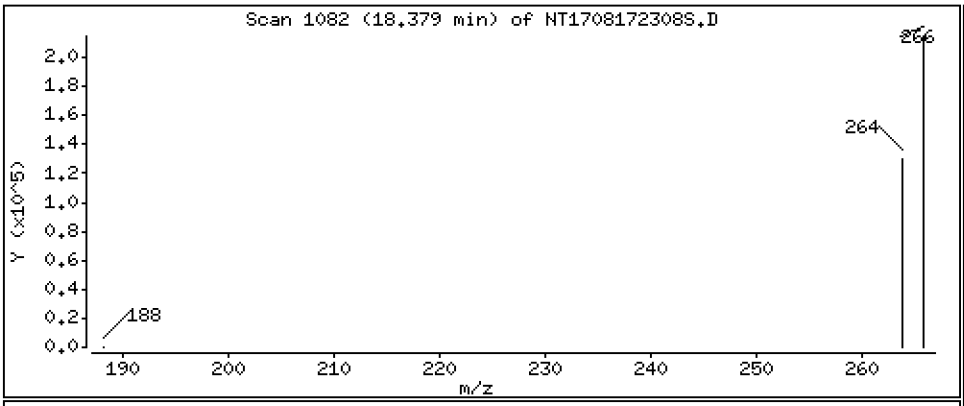
Operator: JGR

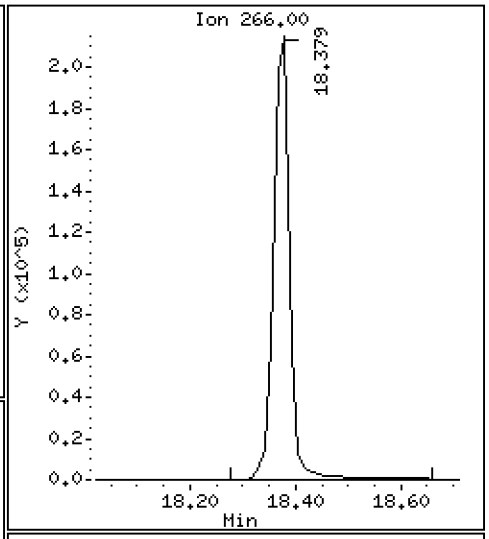
Column phase: ZB-5msi

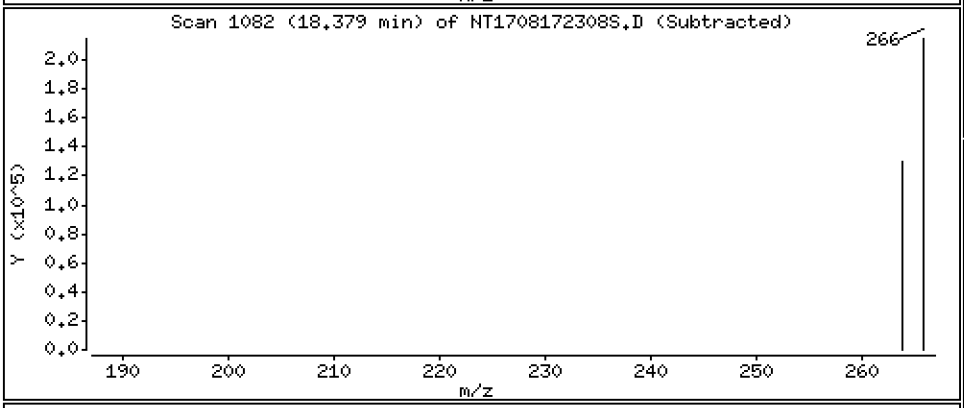
Column diameter: 0.25

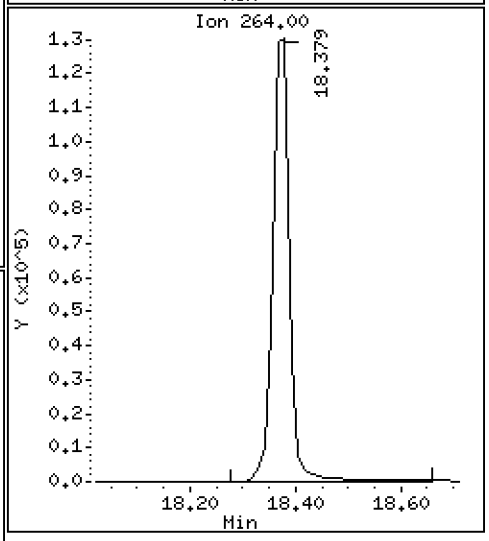
58 Pentachlorophenol

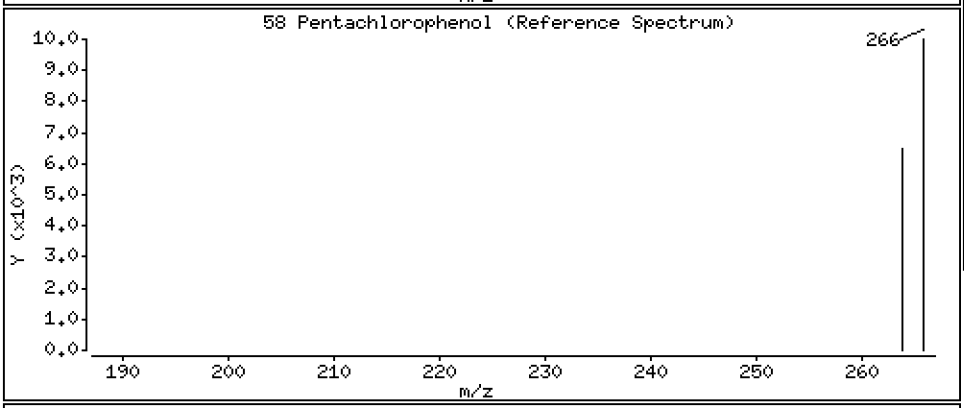
Concentration: 14.56 ug/mL

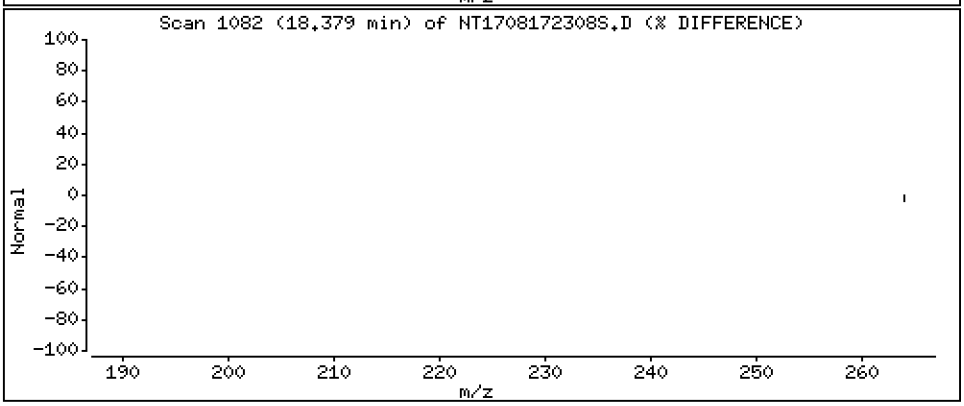












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Date : 17-AUG-2023 23:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BSD1

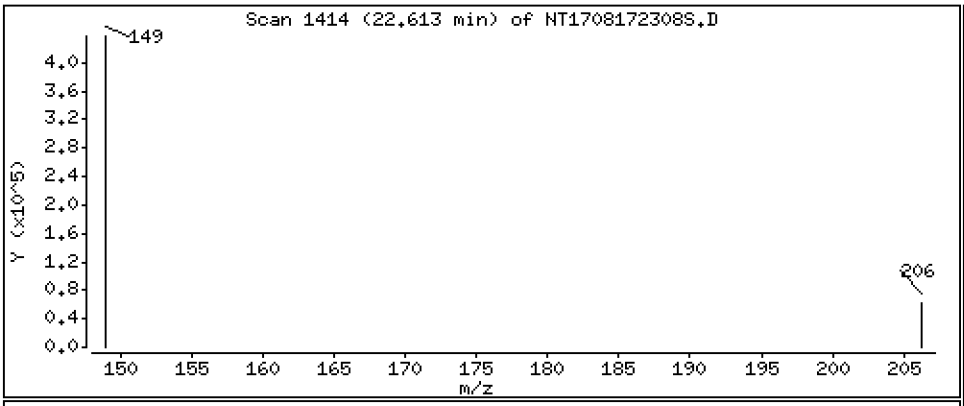
Operator: JGR

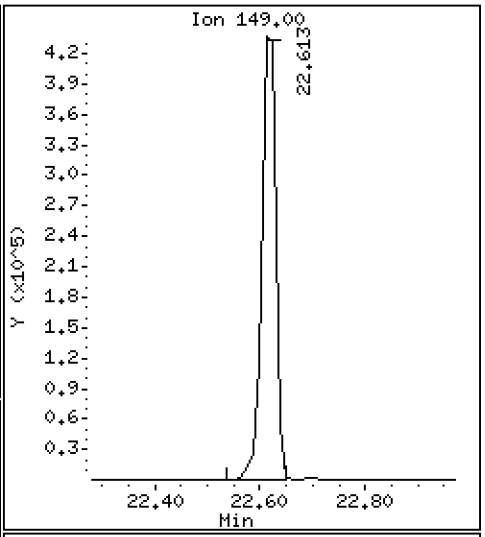
Column phase: ZB-5msi

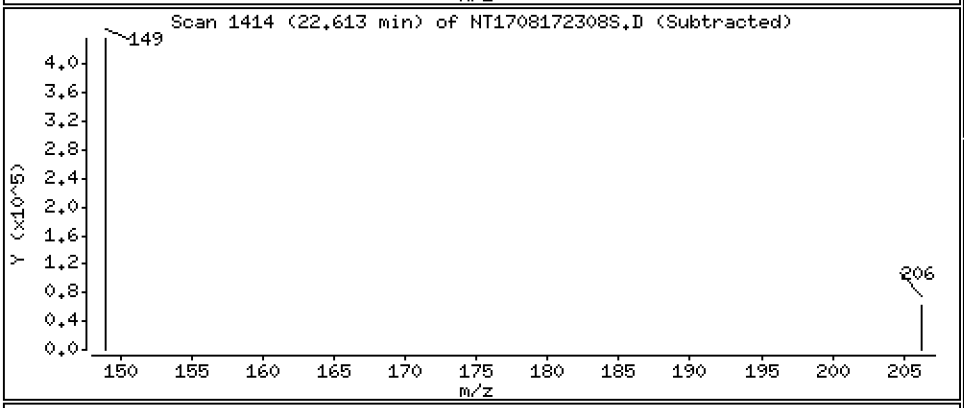
Column diameter: 0.25

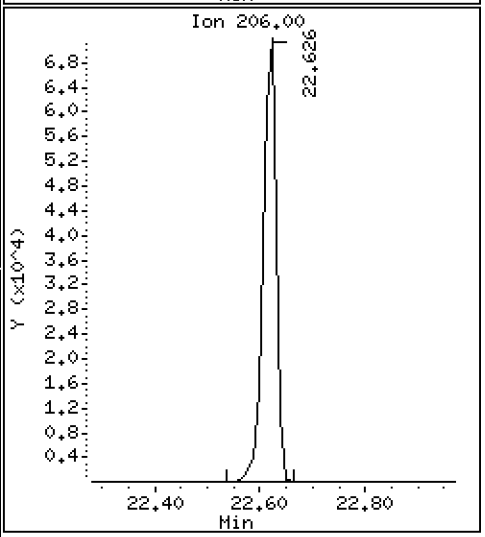
67 Butylbenzylphthalate

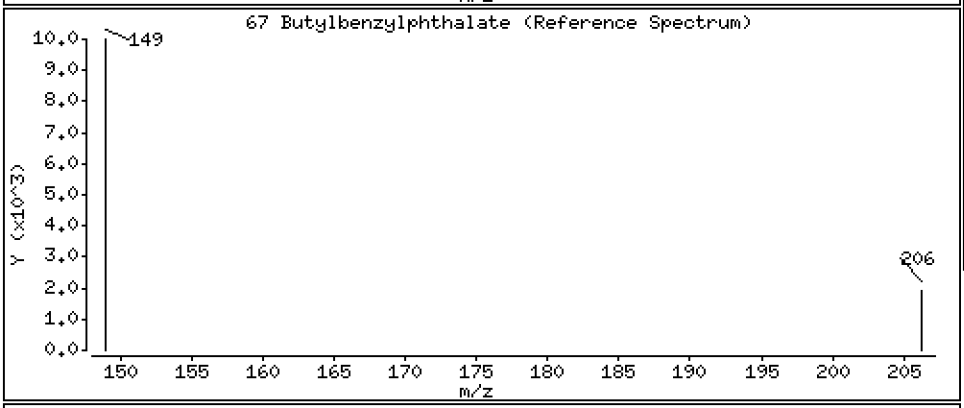
Concentration: 4.743 ug/mL

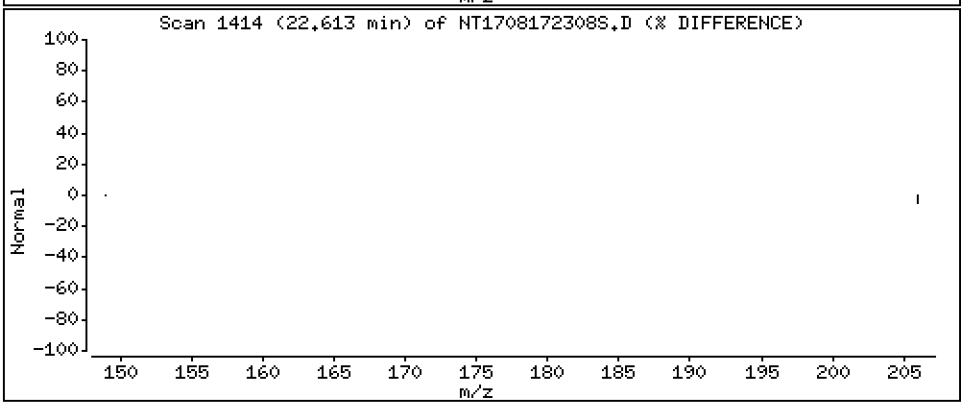












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Date : 17-AUG-2023 23:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BSD1

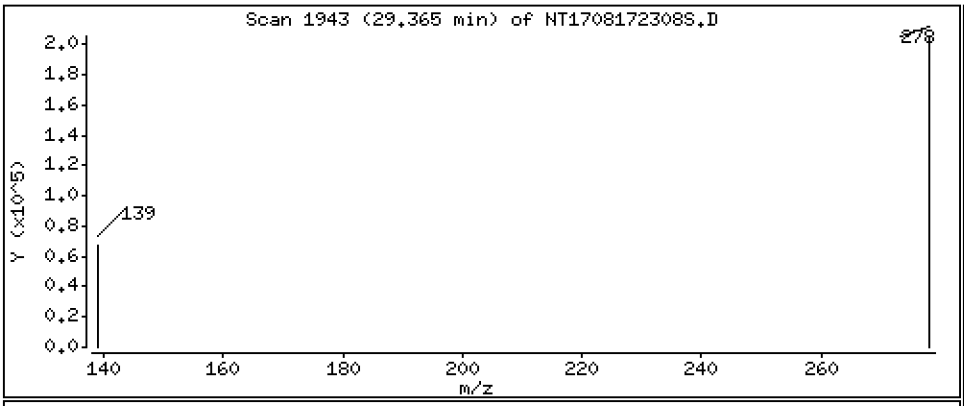
Operator: JGR

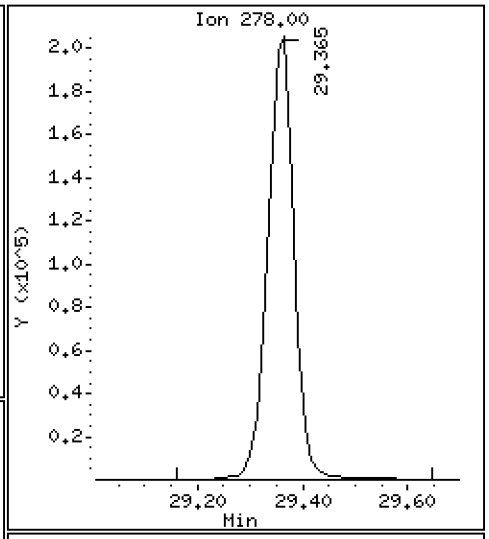
Column phase: ZB-5msi

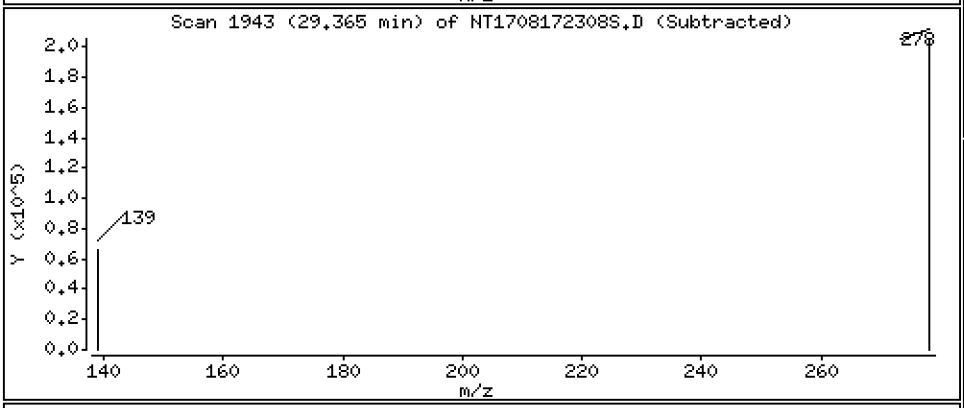
Column diameter: 0.25

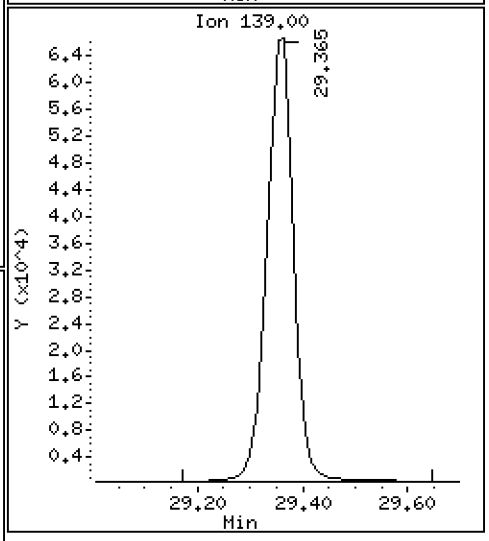
79 Dibenzo(a,h)anthracene

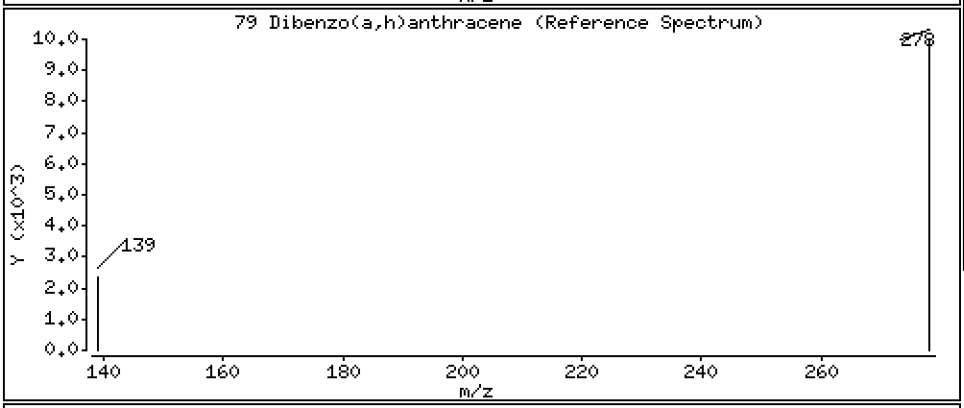
Concentration: 4.322 ug/mL

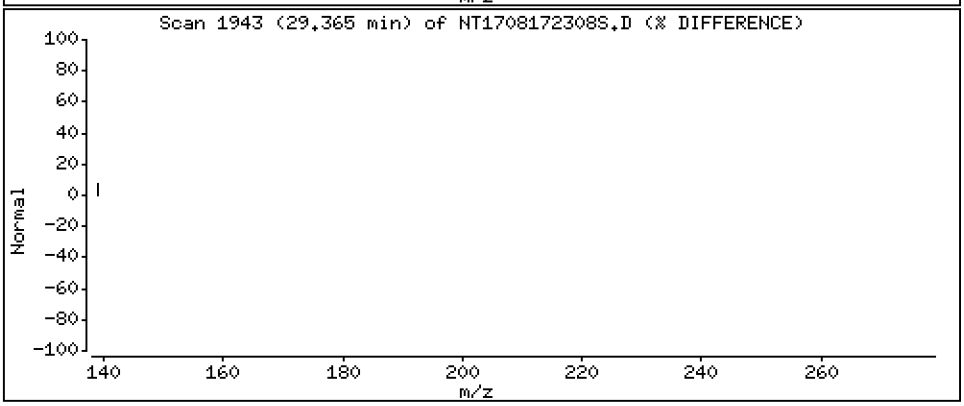












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Date : 17-AUG-2023 23:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-BSD1

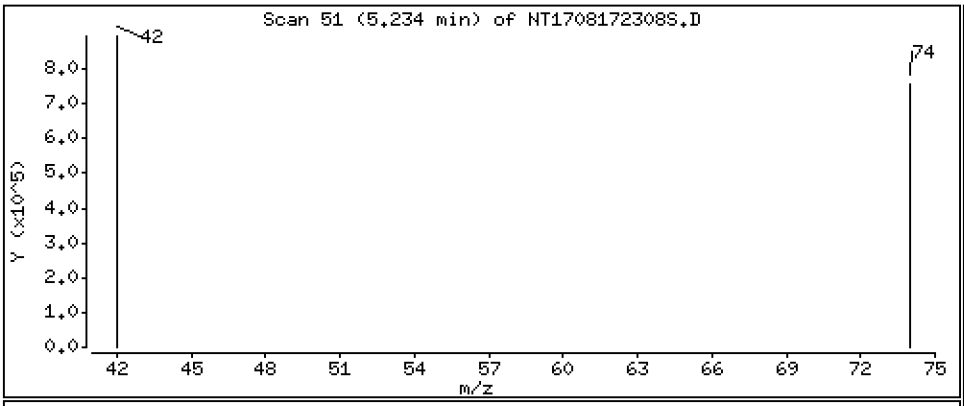
Operator: JGR

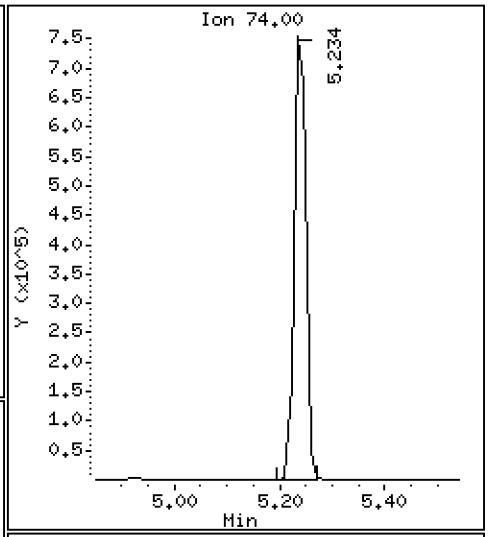
Column phase: ZB-5msi

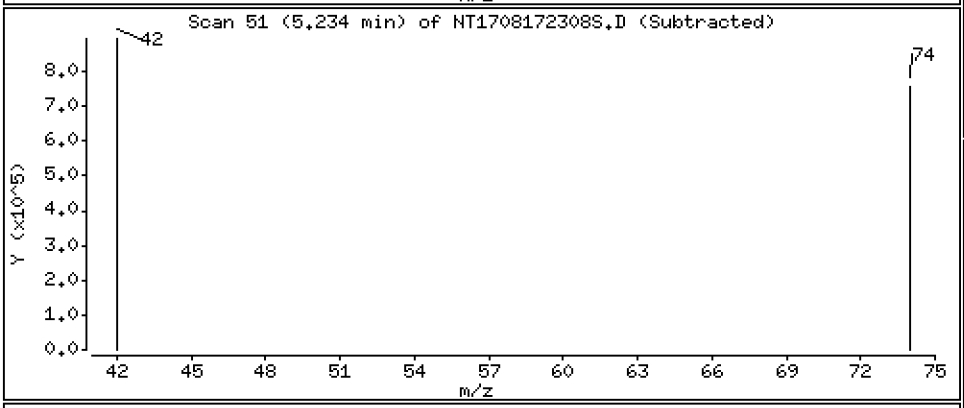
Column diameter: 0.25

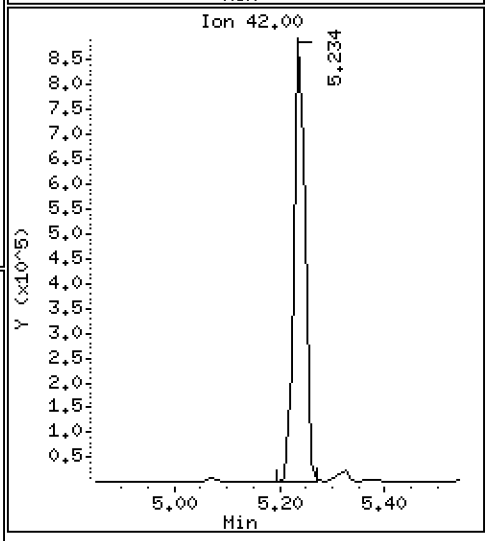
90 N-Nitrosodimethylamine

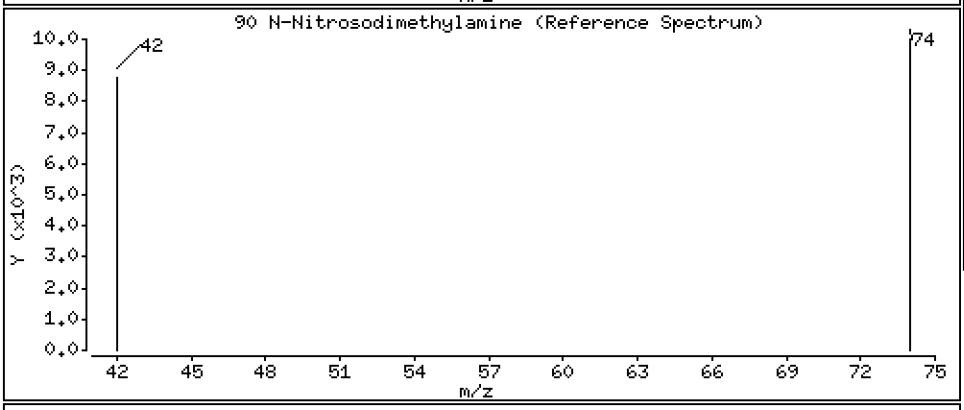
Concentration: 8.899 ug/mL

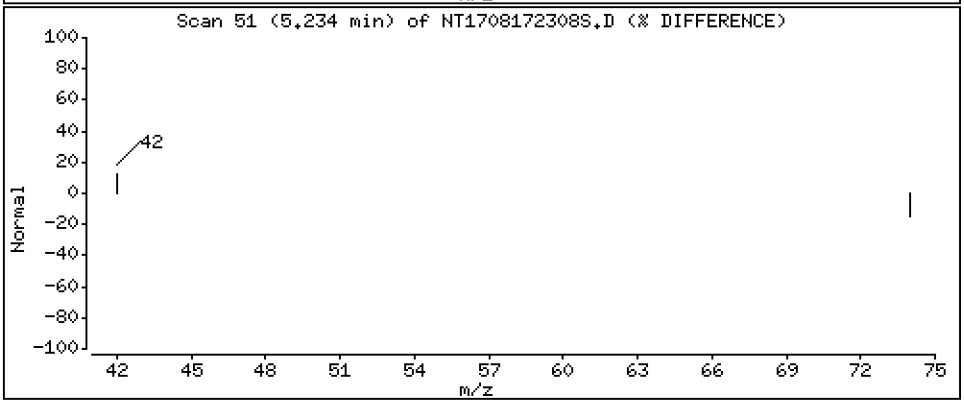












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172308S.D
Lab Smp Id: BLH0329-BSD1
Inj Date : 17-AUG-2023 23:57
Operator : JGR Inst ID: nt17.i
Smp Info : BLH0329-BSD1
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Meth Date : 19-Aug-2023 11:00 JoshuaR Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	7.298	7.285	(0.767)	761965	5.48403	5.484(R)
	3 Phenol	94	8.878	8.878	(0.933)	872439	4.11908	4.119
	7 1,3-Dichlorobenzene	146	9.451	9.451	(0.993)	507219	3.54034	3.540
*	8 1,4-Dichlorobenzene-d4	152	9.515	9.515	(1.000)	334622	4.00000	
	9 1,4-Dichlorobenzene	146	9.541	9.554	(1.003)	495003	3.57014	3.570
	11 Benzyl alcohol	79	9.809	9.784	(1.031)	593342	4.04742	4.047
	12 1,2-Dichlorobenzene	146	9.898	9.911	(1.040)	487528	3.62485	3.625
	13 2-Methylphenol	108	9.988	9.988	(1.050)	525368	4.09077	4.091
	15 4-Methylphenol	108	10.256	10.256	(1.078)	574407	4.27928	4.279
	16 N-Nitroso-di-n-propylamine	70	10.333	10.333	(1.086)	589011	4.29107	4.291
	22 2,4-Dimethylphenol	107	11.304	11.304	(0.942)	1635574	11.8546	11.85
	24 Benzoic acid	105	11.546	11.431	(0.962)	2703976	26.0952	26.10
	26 1,2,4-Trichlorobenzene	180	11.903	11.916	(0.992)	329915	3.49973	3.500
*	27 Naphthalene-d8	136	12.005	12.005	(1.000)	1375092	4.00000	
	30 Hexachlorobutadiene	225	12.387	12.388	(1.032)	166876	3.78001	3.780
	39 Dimethylphthalate	163	15.104	15.091	(0.967)	909160	4.60561	4.606
*	42 Acenaphthene-d10	162	15.614	15.614	(1.000)	607359	4.00000	
	50 Diethylphthalate	149	16.544	16.545	(1.060)	1096551	5.34234	5.342
	54 N-Nitrosodiphenylamine	169	16.939	16.939	(0.908)	606270	4.26840	4.268
	57 Hexachlorobenzene	284	18.008	18.021	(0.966)	187511	4.02939	4.029
	58 Pentachlorophenol	266	18.378	18.366	(0.986)	459819	14.5606	14.56
*	59 Phenanthrene-d10	188	18.646	18.646	(1.000)	987978	4.00000	
$	66 Terphenyl-d14	244	21.719	21.720	(0.920)	422767	4.67667	4.677(R)
	67 Butylbenzylphthalate	149	22.612	22.625	(0.957)	822126	4.74275	4.743
*	69 Chrysene-d12	240	23.620	23.620	(1.000)	653257	4.00000	
*	77 Perylene-d12	264	26.414	26.414	(1.000)	551283	4.00000	
	79 Dibenzo(a,h)anthracene	278	29.365	29.352	(1.112)	703823	4.32244	4.322
	90 N-Nitrosodimethylamine	74	5.234	5.196	(0.550)	1258136	8.89897	8.899

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i Calibration Date: 17-AUG-2023
Lab File ID: NT1708172308S.D Calibration Time: 20:49
Lab Smp Id: BLH0329-BSD1
Analysis Type: SV Level:
Quant Type: ISTD Sample Type:
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Misc Info:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	348452	174226	696904	334622	-3.97
27 Naphthalene-d8	1404170	702085	2808340	1375092	-2.07
42 Acenaphthene-d10	619161	309581	1238322	607359	-1.91
59 Phenanthrene-d10	992768	496384	1985536	987978	-0.48
69 Chrysene-d12	642334	321167	1284668	653257	1.70
77 Perylene-d12	573362	286681	1146724	551283	-3.85

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.52	9.02	10.02	9.52	-0.00
27 Naphthalene-d8	12.01	11.51	12.51	12.01	-0.00
42 Acenaphthene-d10	15.61	15.11	16.11	15.61	-0.00
59 Phenanthrene-d10	18.65	18.15	19.15	18.65	-0.00
69 Chrysene-d12	23.62	23.12	24.12	23.62	-0.00
77 Perylene-d12	26.41	25.91	26.91	26.41	-0.00

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

REVIEW SUMMARY FOR FILE - NT1708172308S.D

Lab ID: BLH0329-BSD1
nt17.i, 20230817.b\SIM.b\SIMABN2.m,   17-AUG-2023 23:57

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.962	0.952	0.0096	Benzoic acid

RRT check based on Ccal File: SIM.b/NT1708172303S.D

On Column LOD for nt17.i, SIM.b\SIMABN2.m, PSDDA.sub = 0.0000

Exception: 1,2,4-Trichlorobenzene 0.0010

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

MS / MS DUPLICATE RECOVERY
EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Matrix:	Solid	Analyzed:	08/11/23 20:57
Batch:	BLH0180	Laboratory ID:	BLH0180-MS2
Preparation:	EPA 3546 (Microwave)	Sequence Name:	Matrix Spike
Initial/Final:	12.63 g / 1 mL	Source Sample:	LDW23-SS1068

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	Q	MS CONCENTRATION (ug/kg dry)	Q	MS % REC. #	QC LIMITS REC.
1,4-Dichlorobenzene	500.10	ND	U	305		61.0	36 - 120
1,2-Dichlorobenzene	500.10	ND	U	310		61.9	36 - 120
Benzyl Alcohol	500.10	4.9	J	386		76.2	25 - 123
Benzoic acid	2300.5	56.1	Q, J	2420	Q	103	10 - 160
4-Methylphenol	500.10	2.3	J	377		75.0	30 - 160
2,4-Dimethylphenol	1300.3	ND	U	1000		77.0	10 - 120
1,2,4-Trichlorobenzene	500.10	ND	U	308		61.6	35 - 120
N-Nitrosodiphenylamine	500.10	ND	U	329		65.8	27 - 120
Pentachlorophenol	1300.3	2.7	J	1340	Q	103	26 - 120

* Values outside of QC limits

MS / MS DUPLICATE RECOVERY
EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Matrix:	Solid	Analyzed:	08/11/23 21:35
Batch:	BLH0180	Laboratory ID:	BLH0180-MSD2
Preparation:	EPA 3546 (Microwave)	Sequence Name:	Matrix Spike Dup
Initial/Final:	12.63 g / 1 mL	Source Sample:	LDW23-SS1068

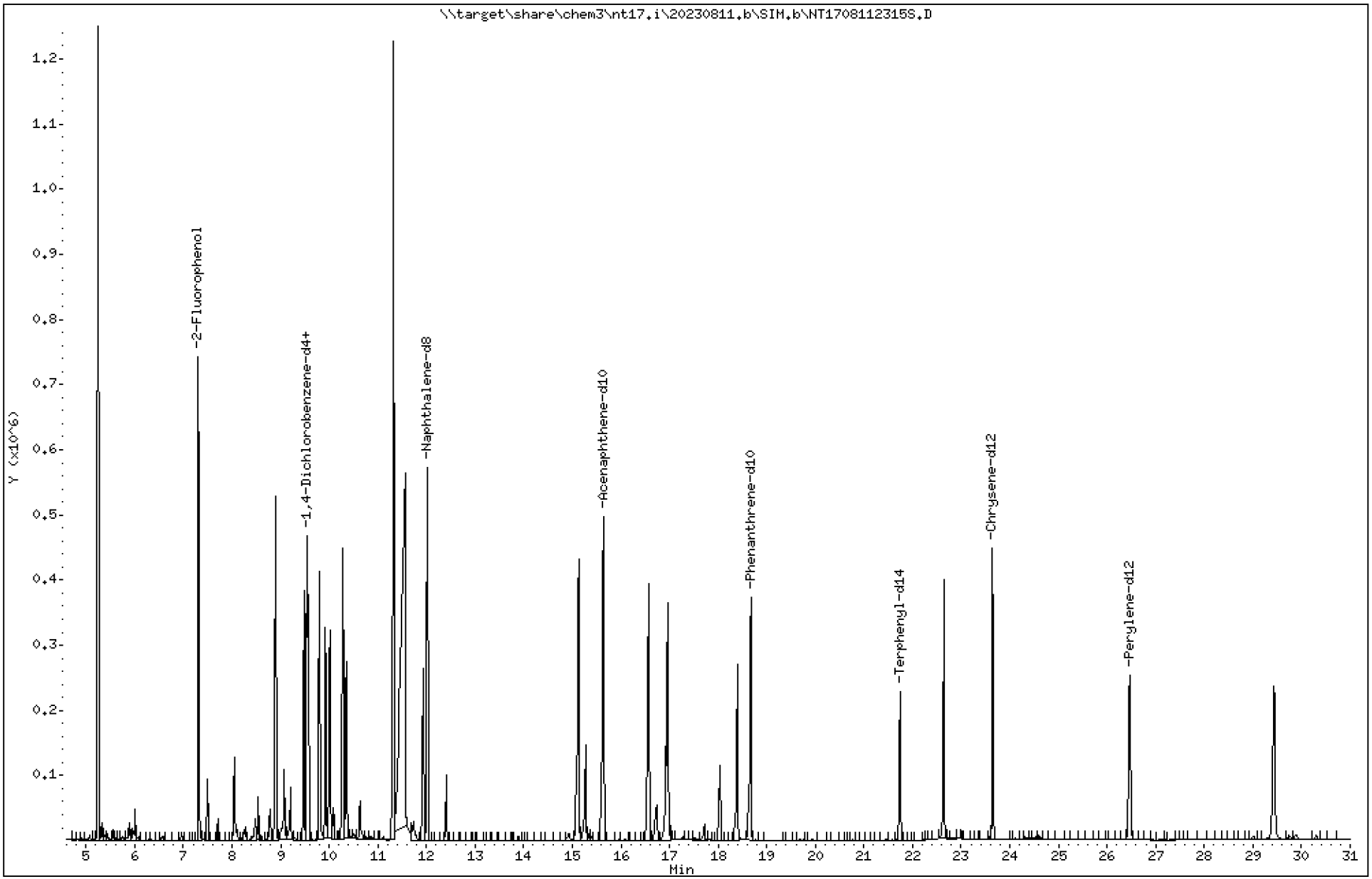
COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	Q	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,4-Dichlorobenzene	500.10	336		67.1	9.59	30	36 - 120
1,2-Dichlorobenzene	500.10	343		68.6	10.2	30	36 - 120
Benzyl Alcohol	500.10	438		86.7	12.7	30	25 - 123
Benzoic acid	2300.5	2540	Q	108	5.09	30	10 - 160
4-Methylphenol	500.10	412		81.9	8.67	30	30 - 160
2,4-Dimethylphenol	1300.3	1200		92.0	17.8	30	10 - 120
1,2,4-Trichlorobenzene	500.10	334		66.7	7.94	30	35 - 120
N-Nitrosodiphenylamine	500.10	383		76.7	15.3	30	27 - 120
Pentachlorophenol	1300.3	1420	Q	109	5.74	30	26 - 120

* Values outside of QC limits

Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT17081123155.D
Date : 11-AUG-2023 20:57
Client ID:
Sample Info: BLH0180-MS1

Instrument: nt17.i
Operator: YZ
Column diameter: 0.25

Column phase: ZB-5msi



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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

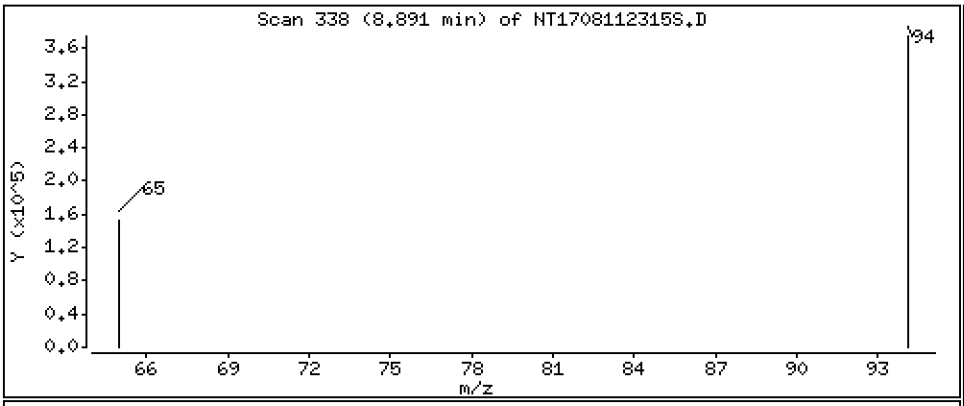
Operator: YZ

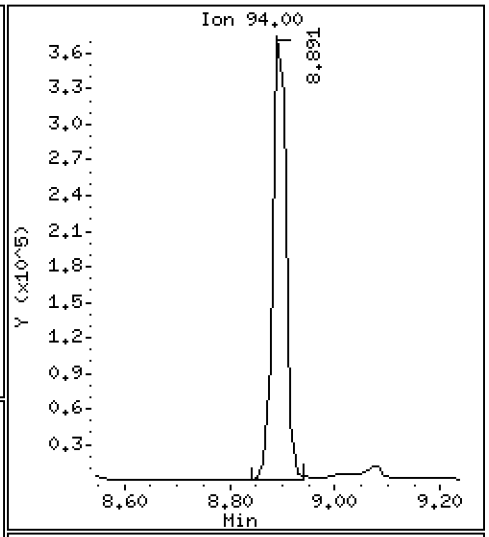
Column phase: ZB-5msi

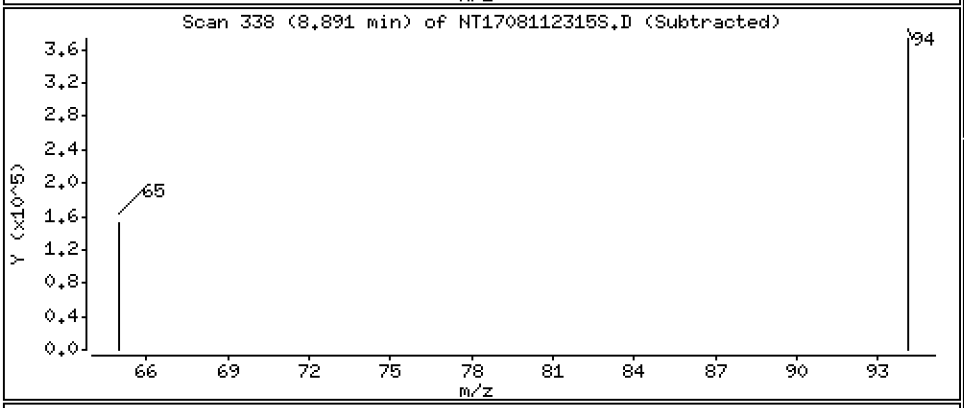
Column diameter: 0.25

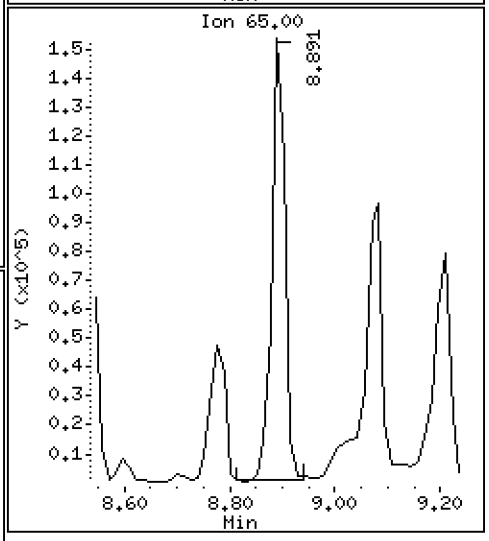
3 Phenol

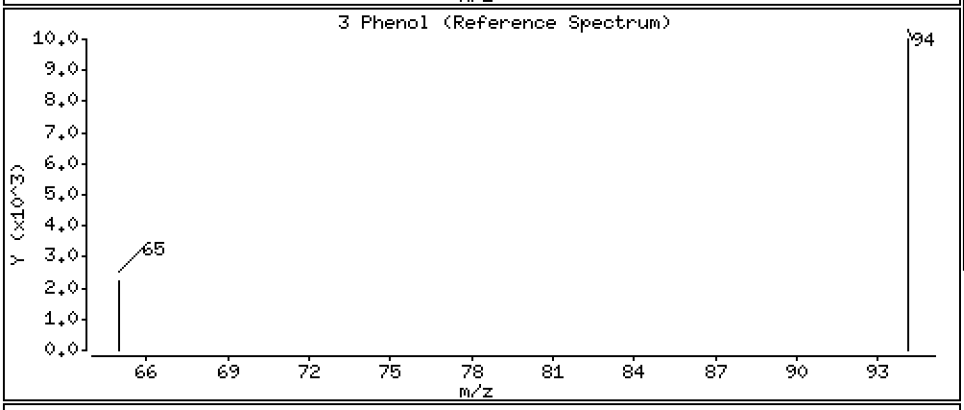
Concentration: 3.792 ug/mL

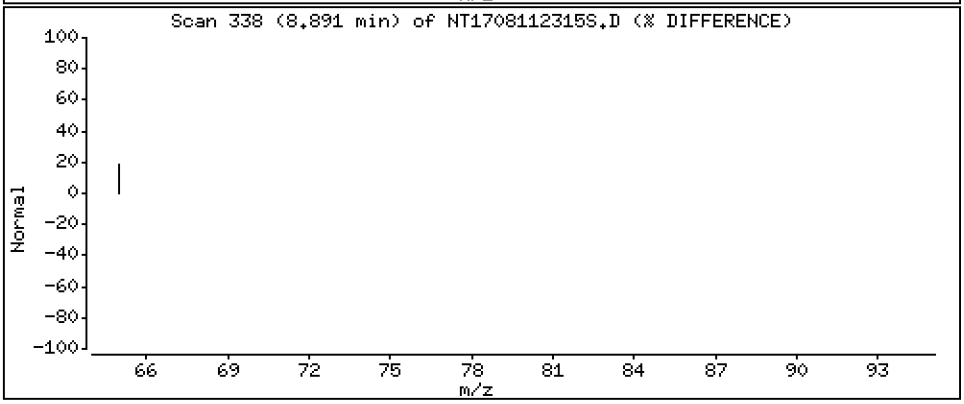












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

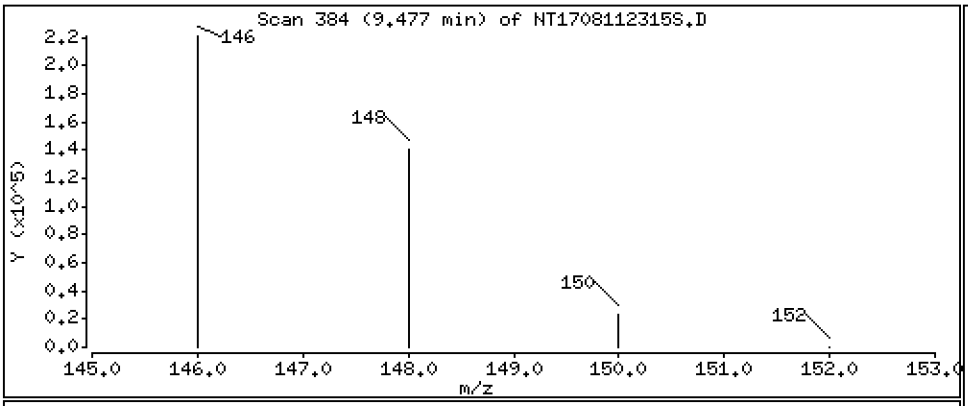
Operator: YZ

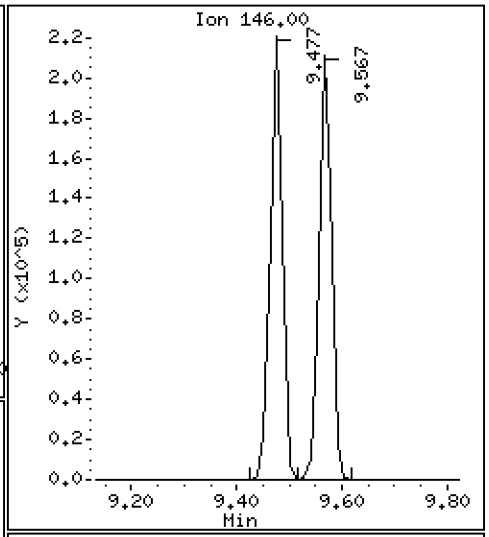
Column phase: ZB-5msi

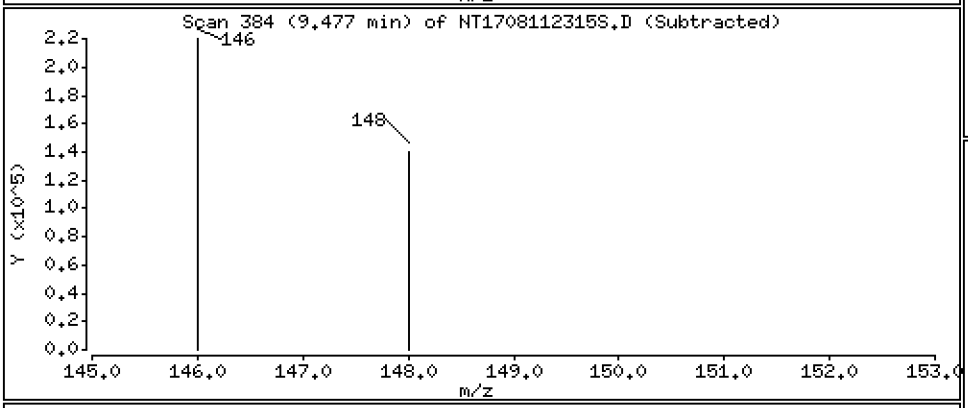
Column diameter: 0.25

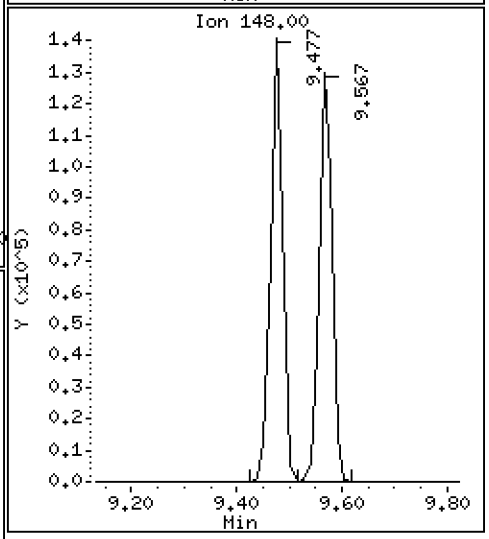
7 1,3-Dichlorobenzene

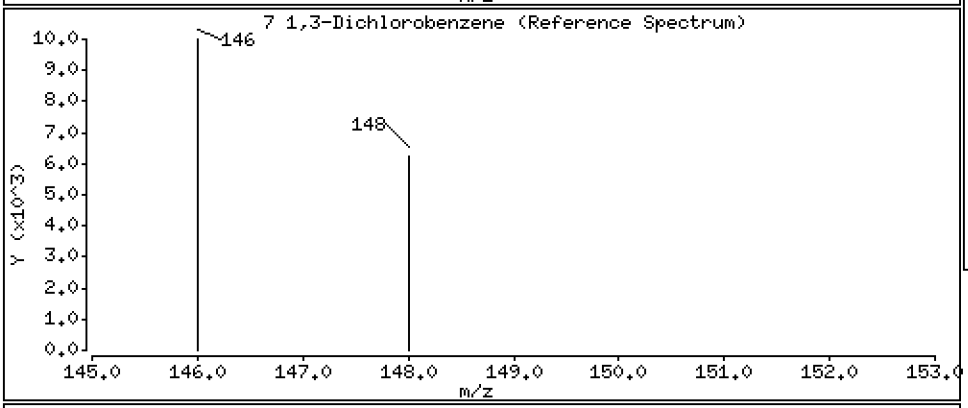
Concentration: 2.980 ug/mL

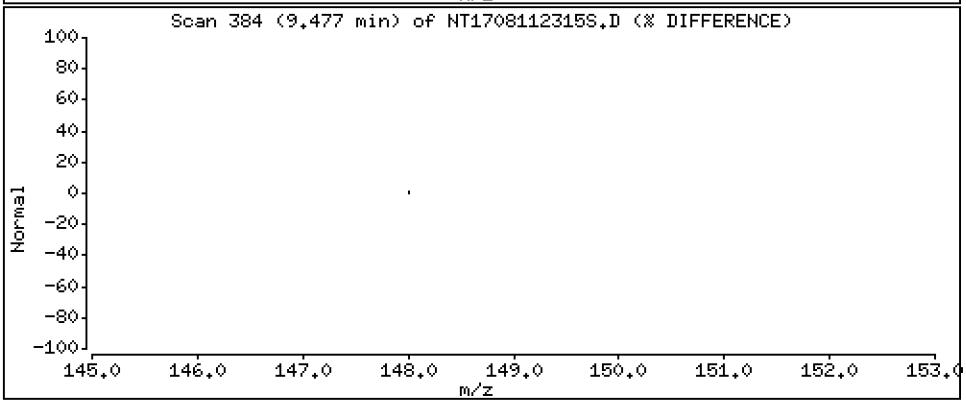












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

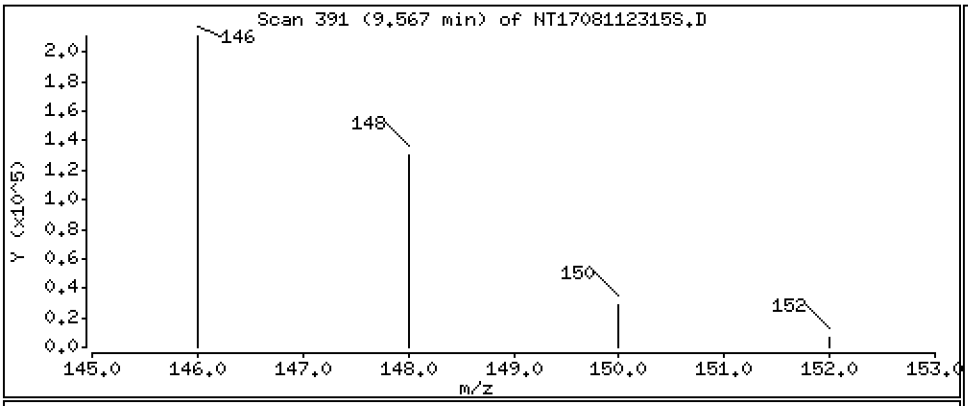
Operator: YZ

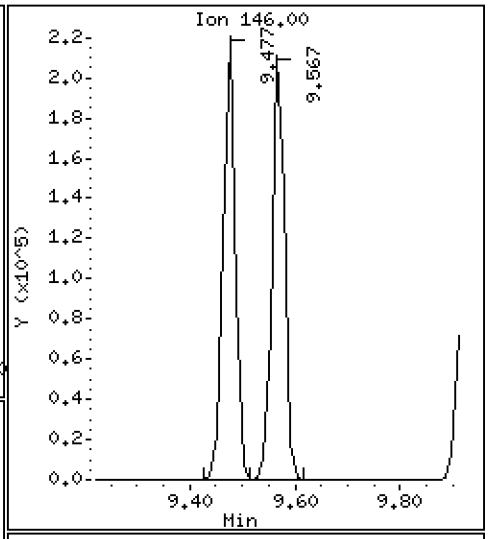
Column phase: ZB-5msi

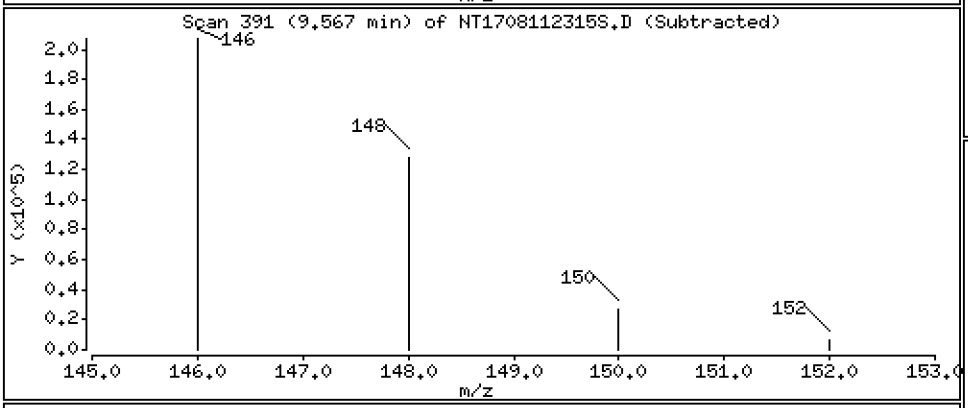
Column diameter: 0.25

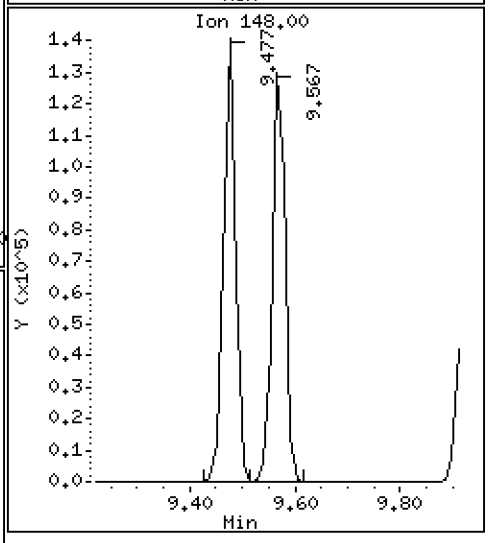
9 1,4-Dichlorobenzene

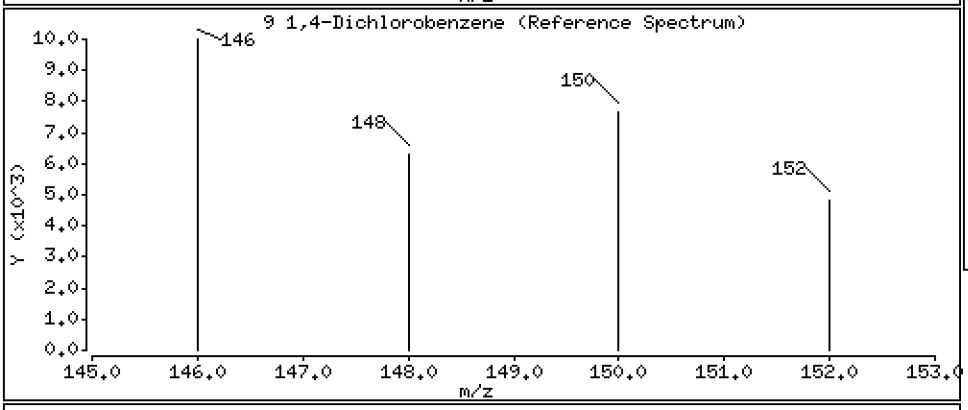
Concentration: 3.048 ug/mL

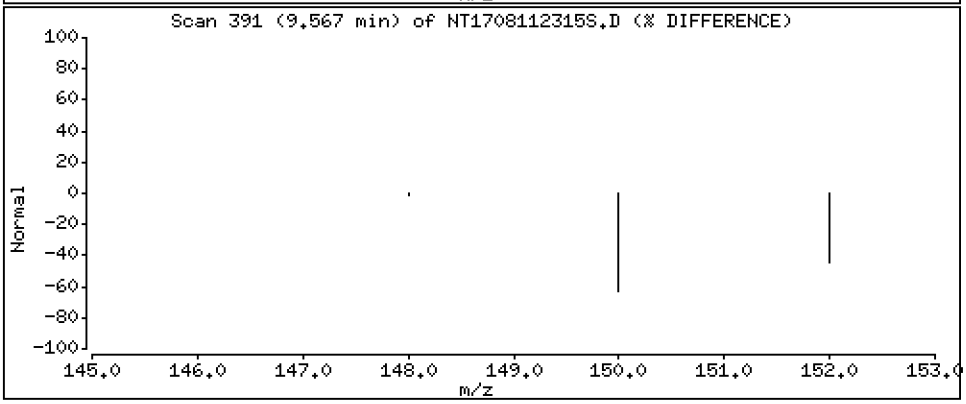












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112315S.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

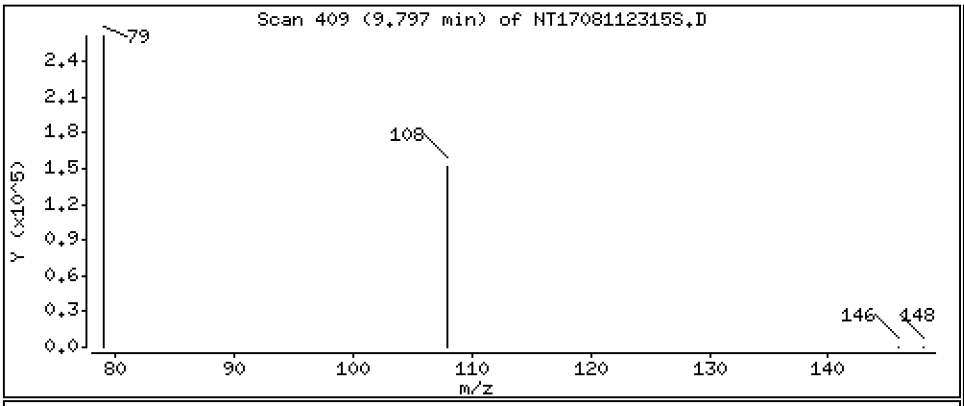
Operator: YZ

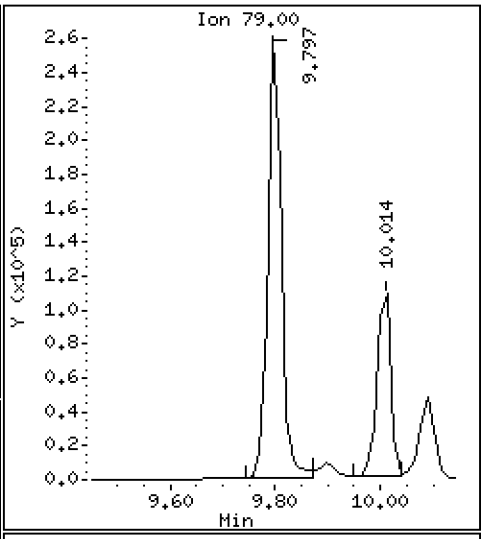
Column phase: ZB-5msi

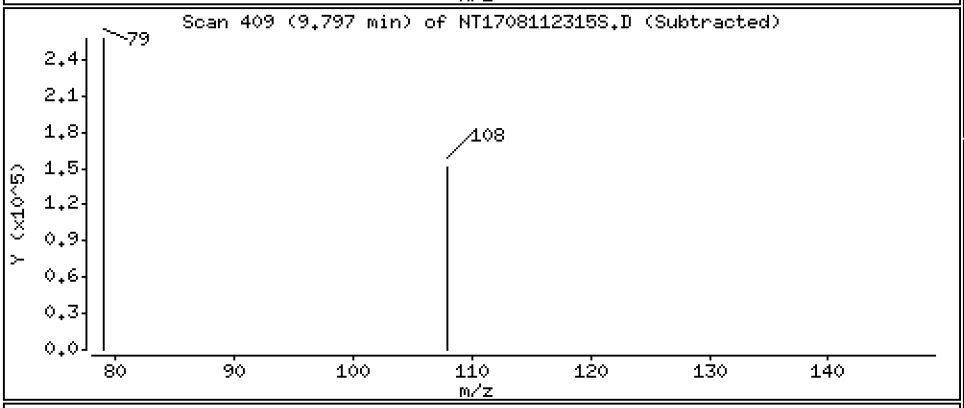
Column diameter: 0.25

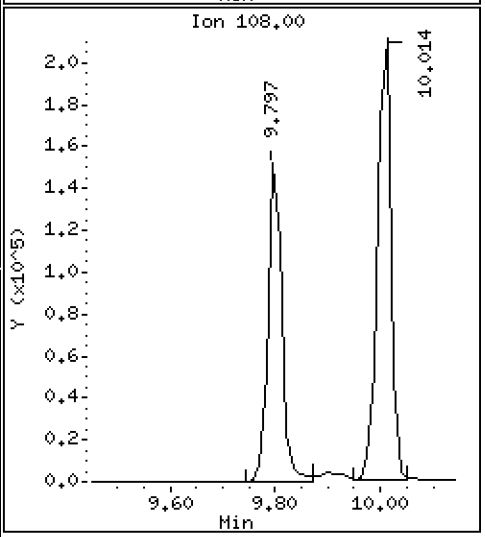
11 Benzyl alcohol

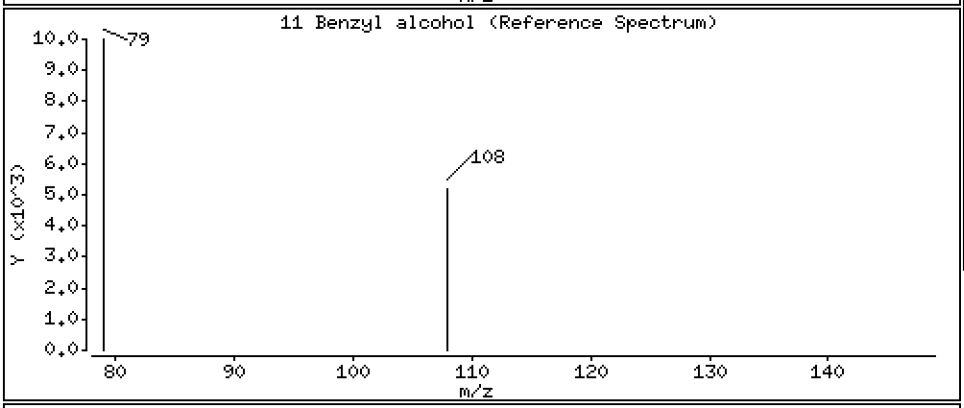
Concentration: 3.861 ug/mL

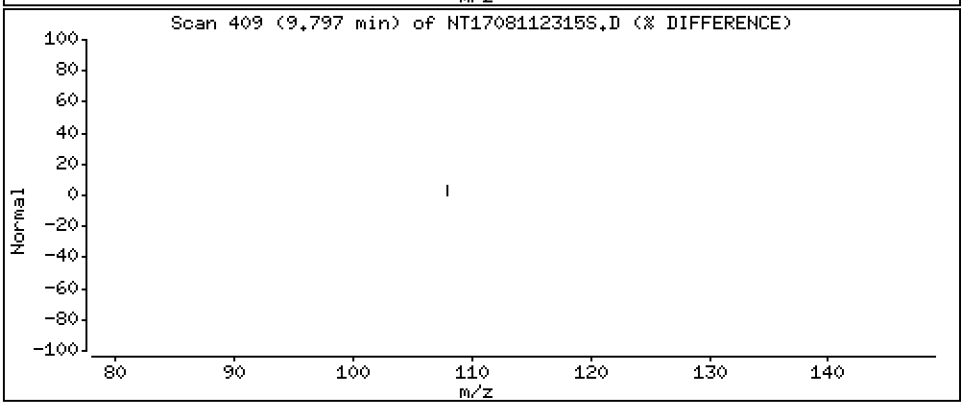












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

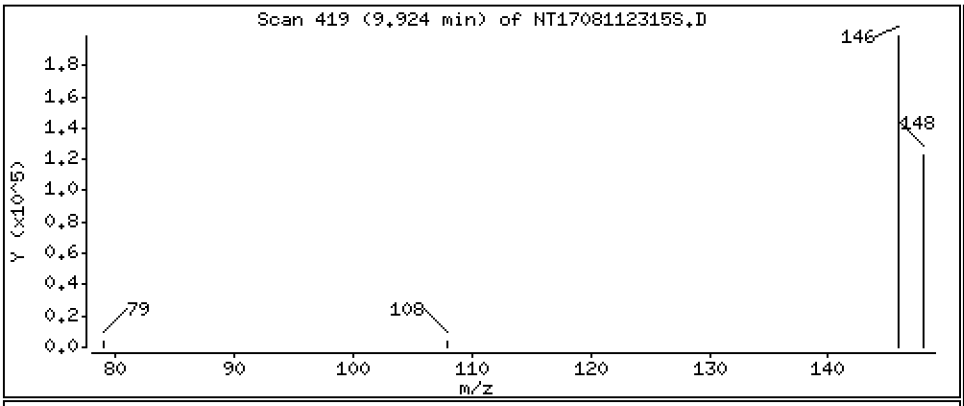
Operator: YZ

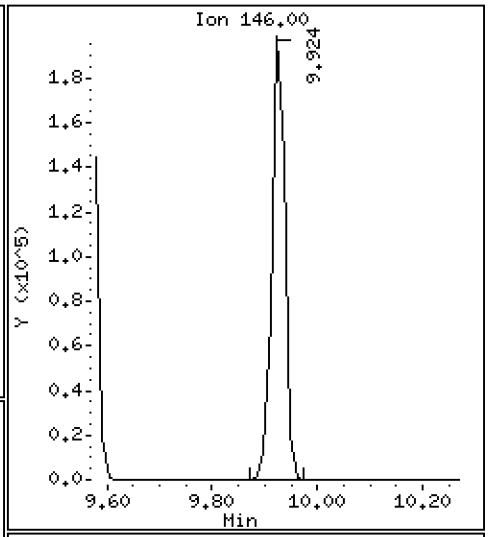
Column phase: ZB-5msi

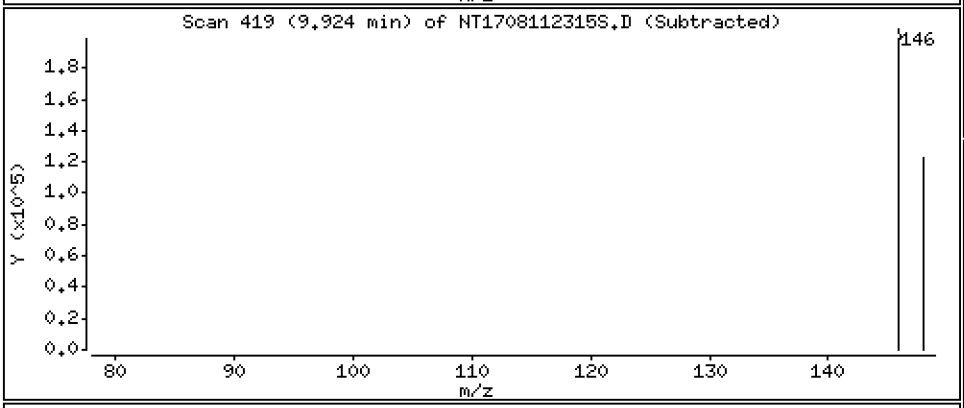
Column diameter: 0.25

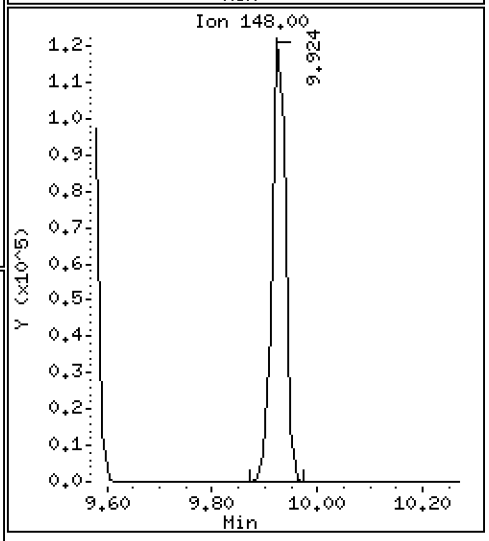
12 1,2-Dichlorobenzene

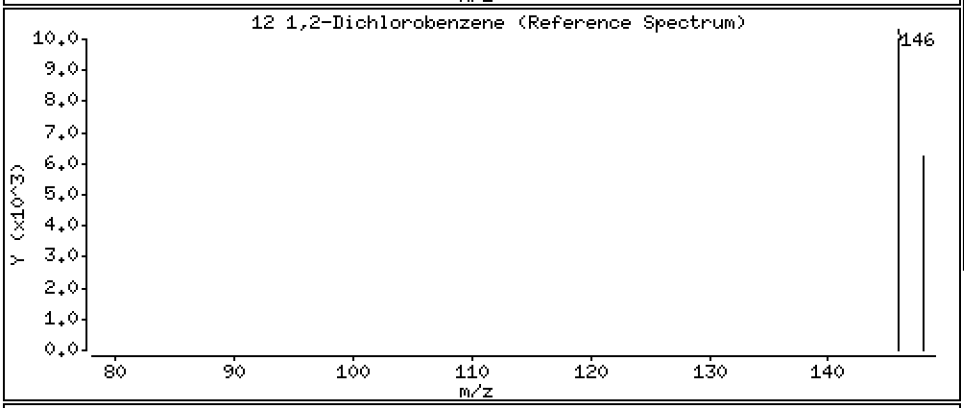
Concentration: 3.096 ug/mL

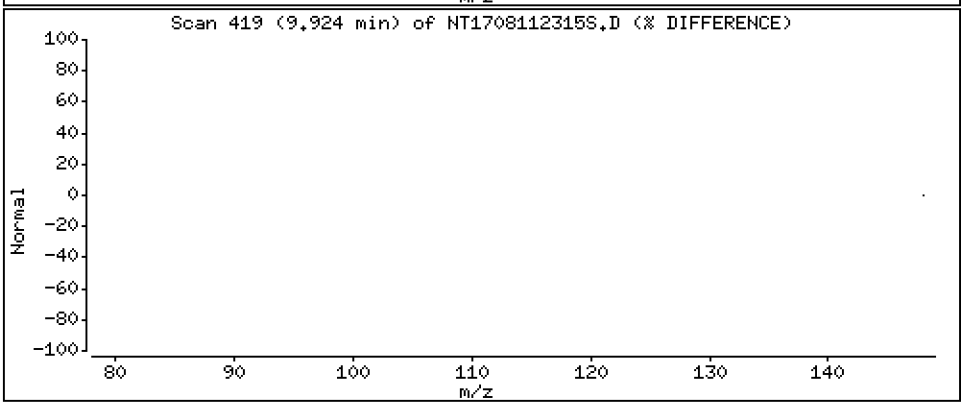












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112315S.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

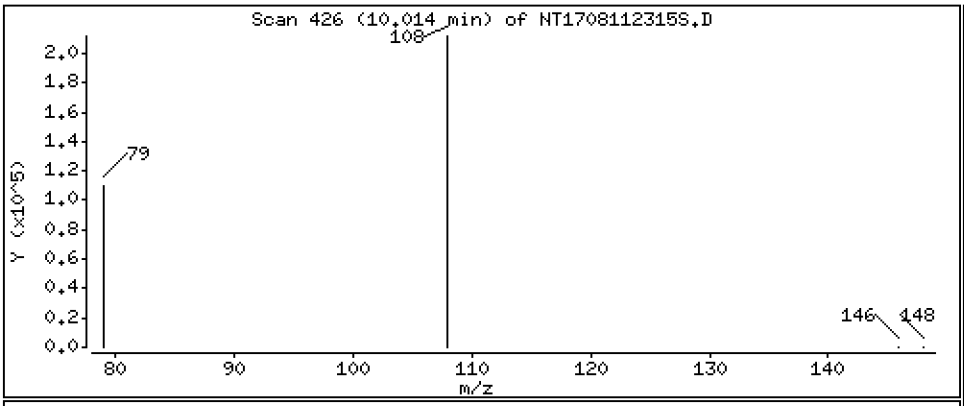
Operator: YZ

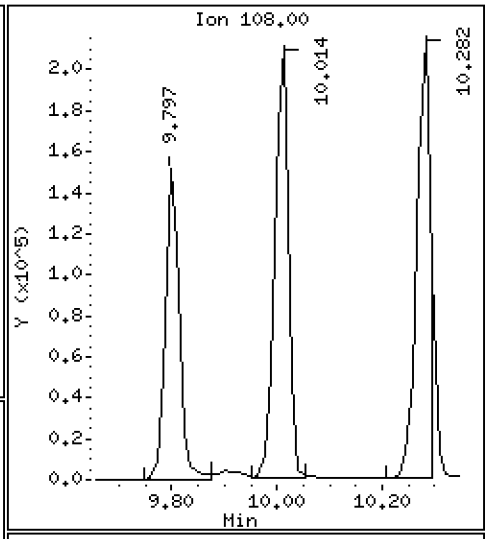
Column phase: ZB-5msi

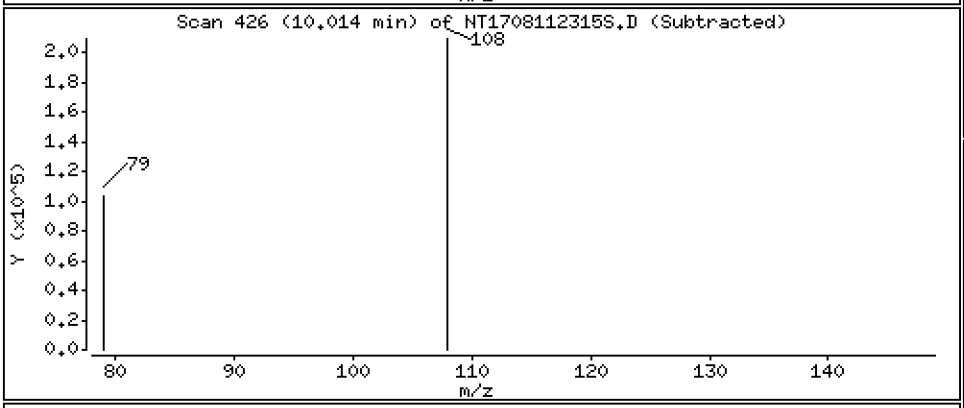
Column diameter: 0.25

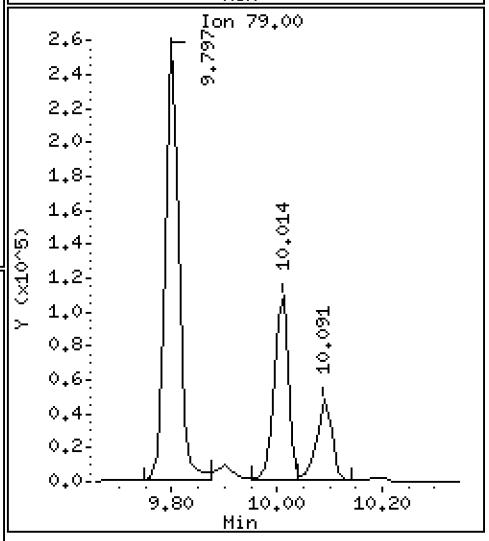
13 2-Methylphenol

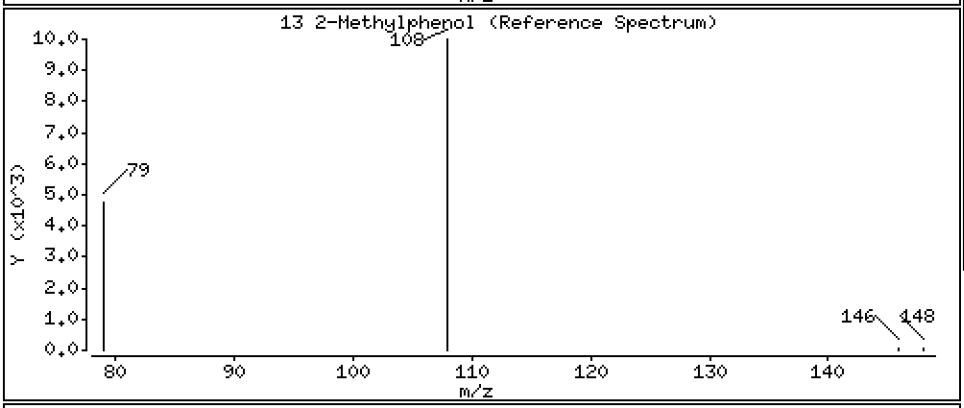
Concentration: 3.578 ug/mL

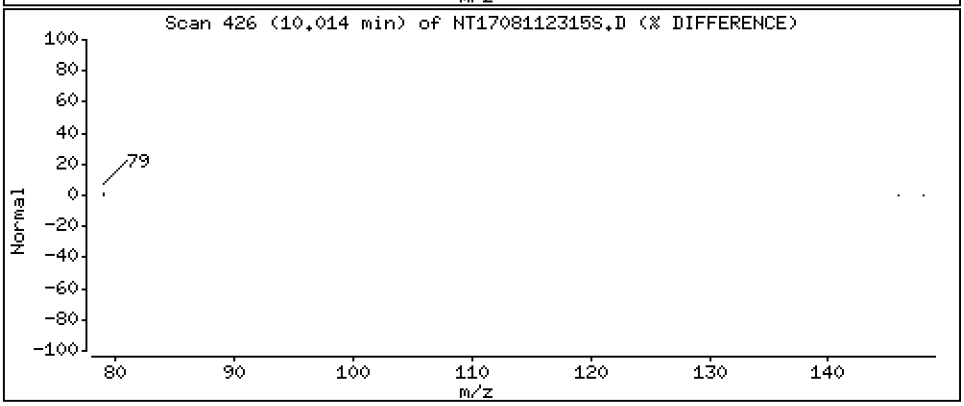












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112315S.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

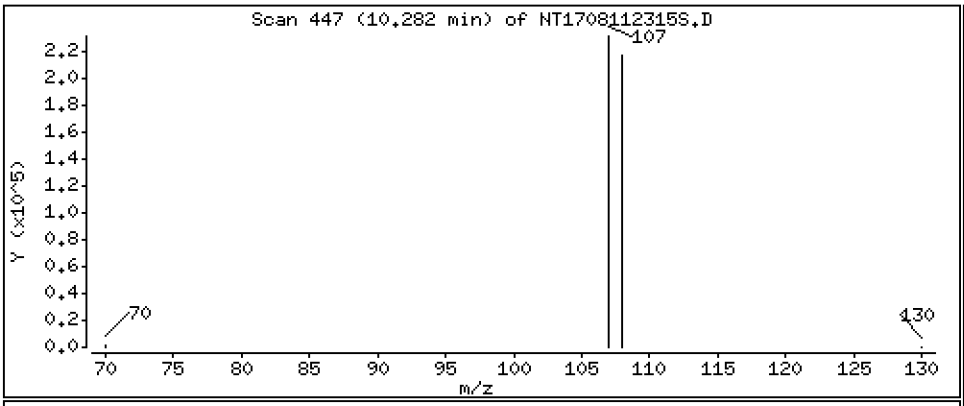
Operator: YZ

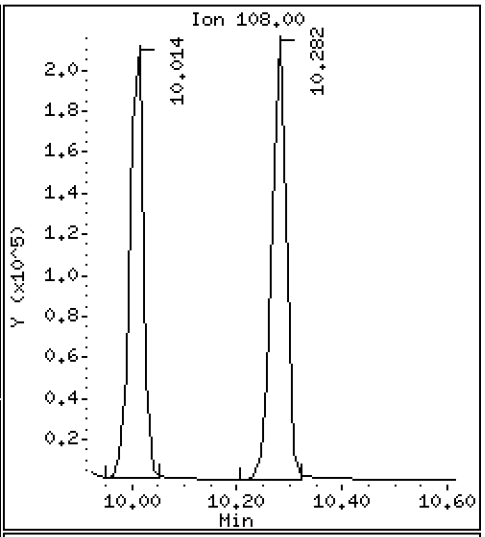
Column phase: ZB-5msi

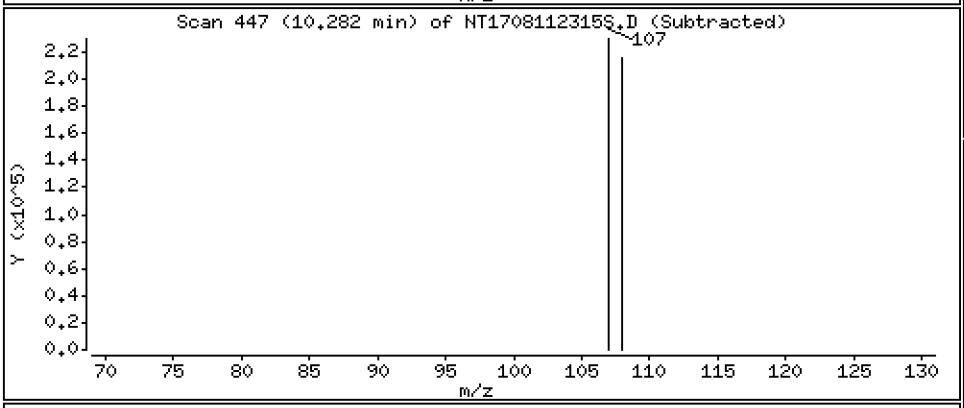
Column diameter: 0.25

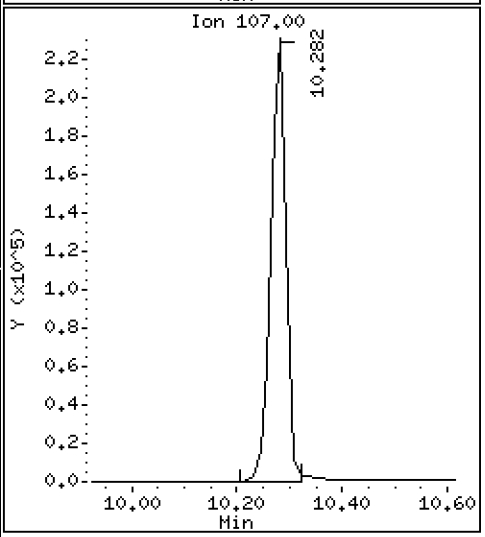
15 4-Methylphenol

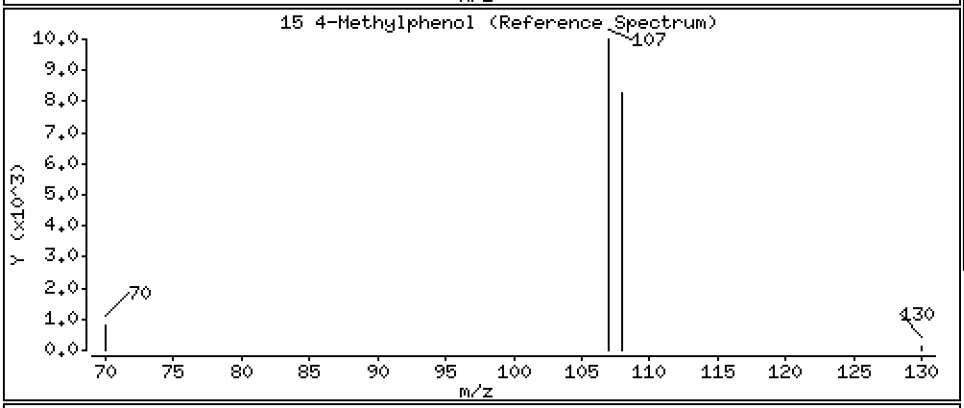
Concentration: 3.774 ug/mL

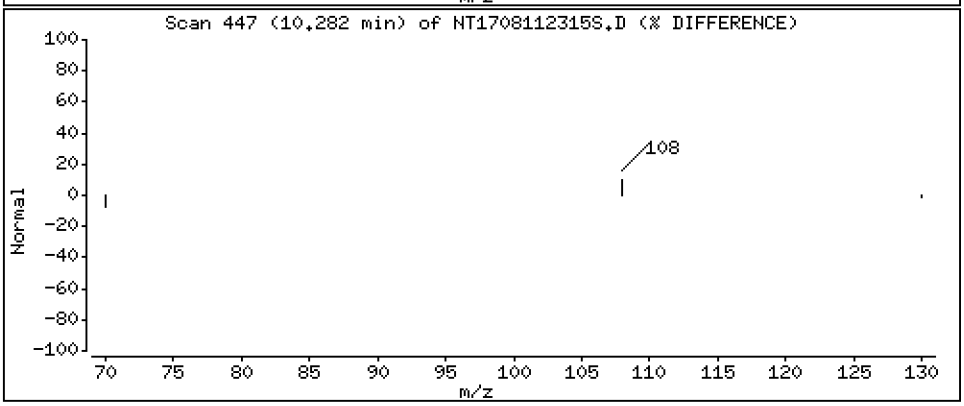












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

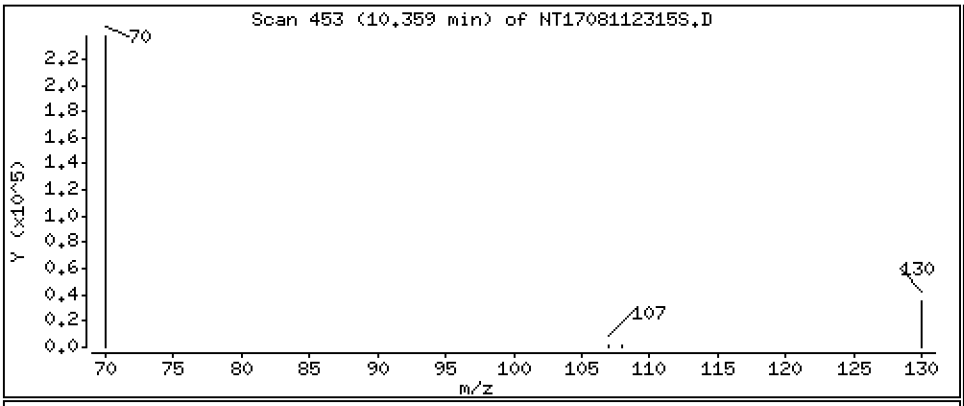
Operator: YZ

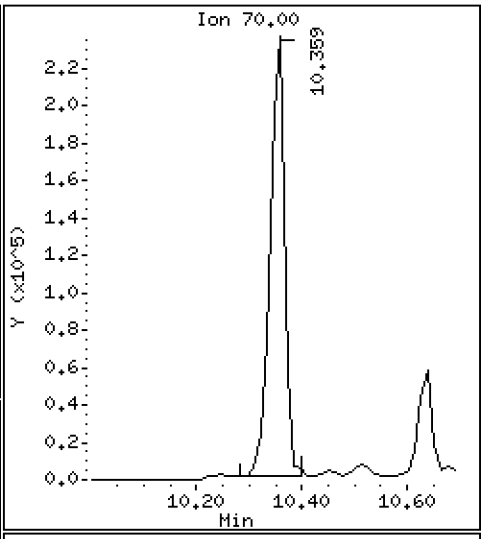
Column phase: ZB-5msi

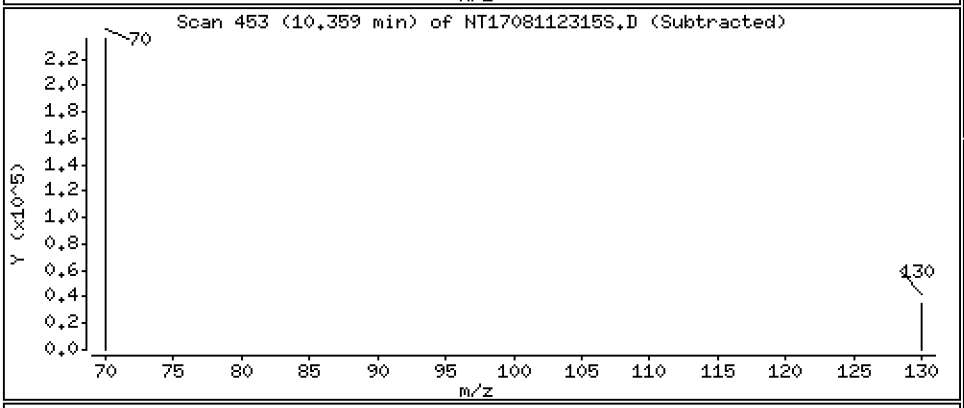
Column diameter: 0.25

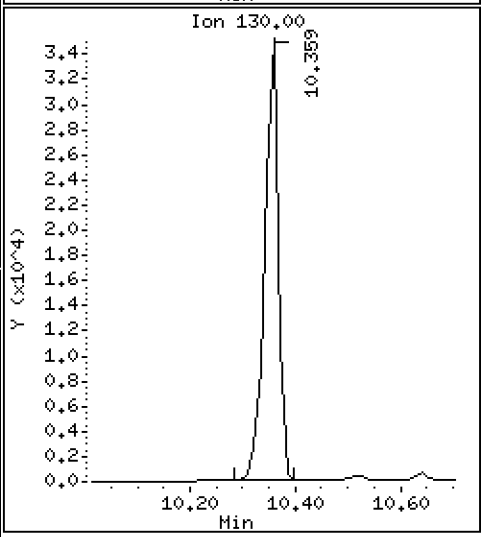
16 N-Nitroso-di-n-propylamine

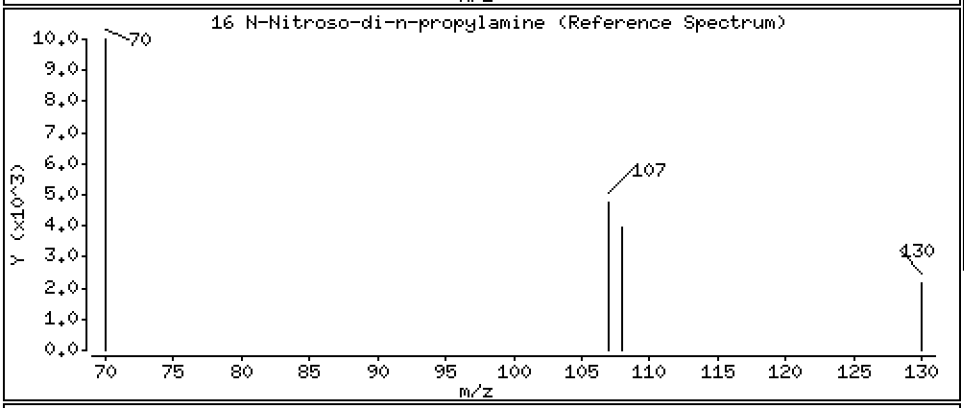
Concentration: 4.026 ug/mL

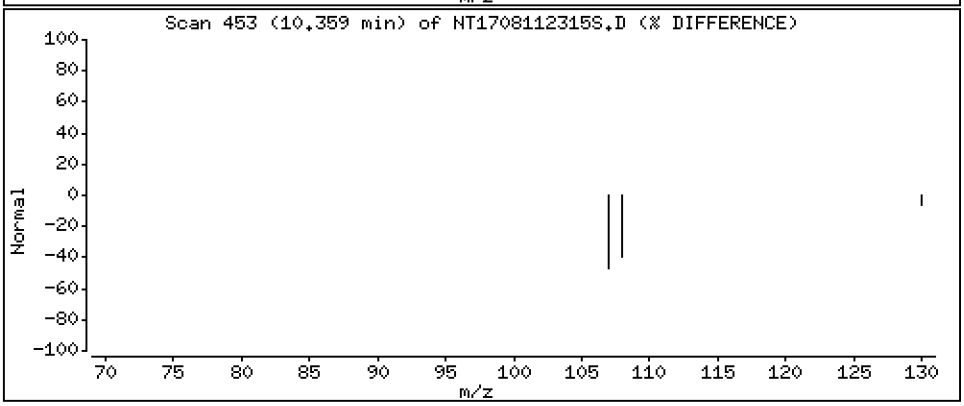












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

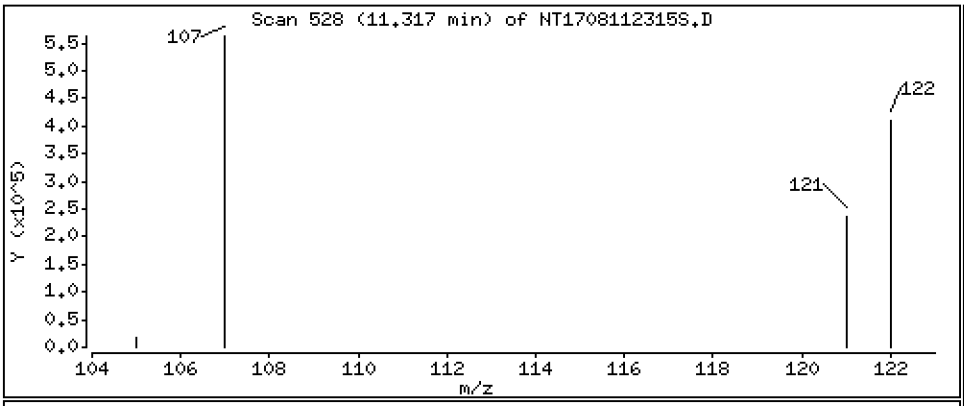
Operator: YZ

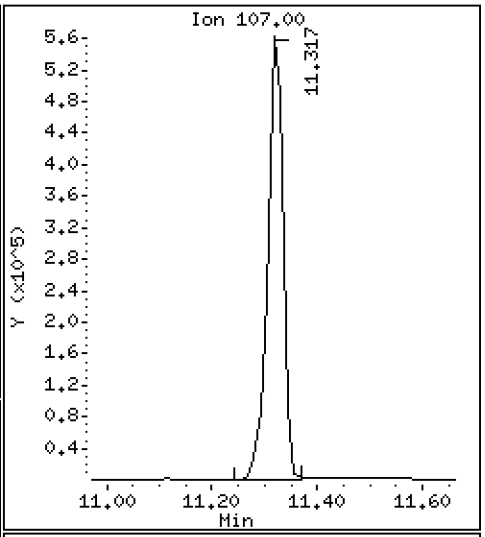
Column phase: ZB-5msi

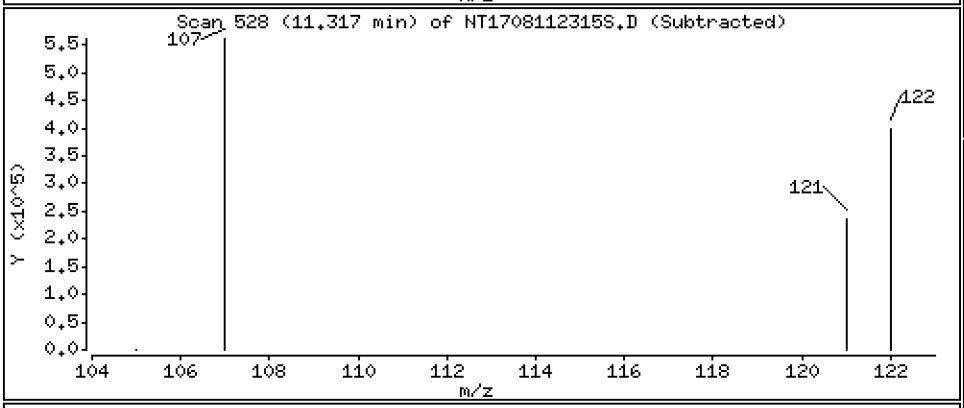
Column diameter: 0.25

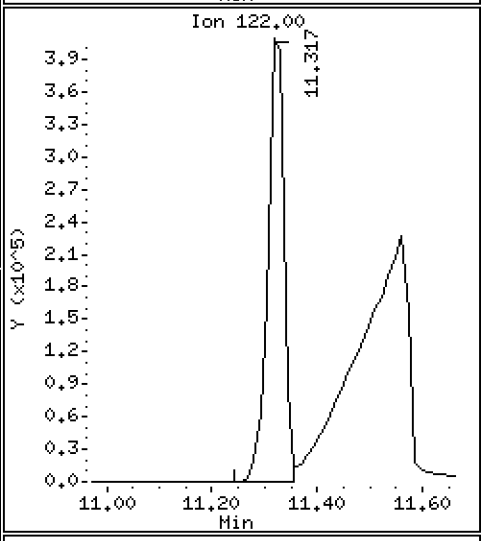
22 2,4-Dimethylphenol

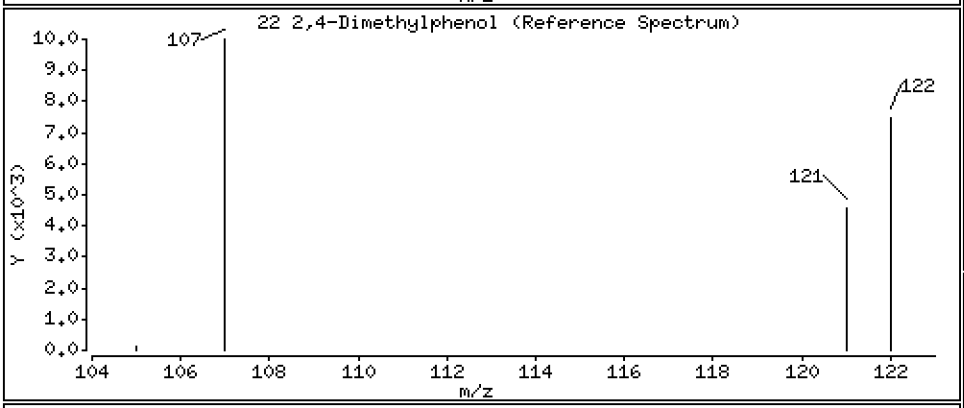
Concentration: 10.01 ug/mL

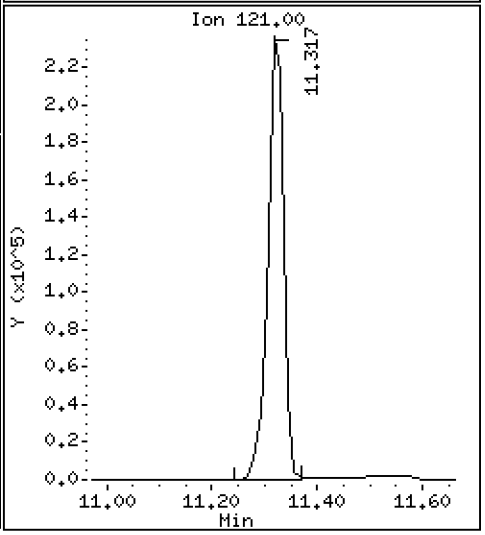


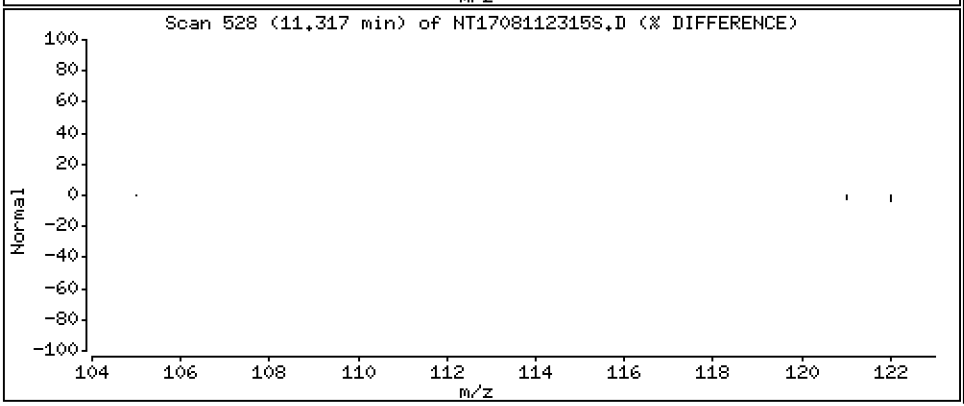












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112315S.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

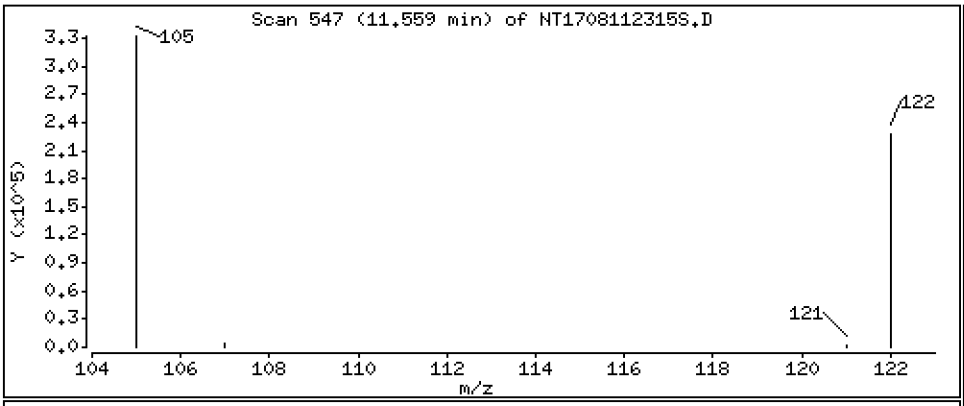
Operator: YZ

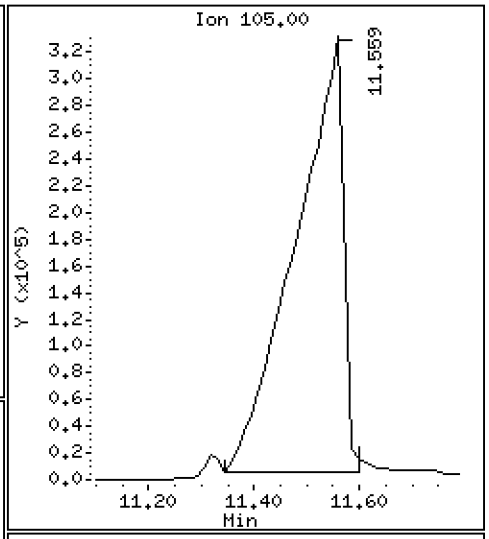
Column phase: ZB-5msi

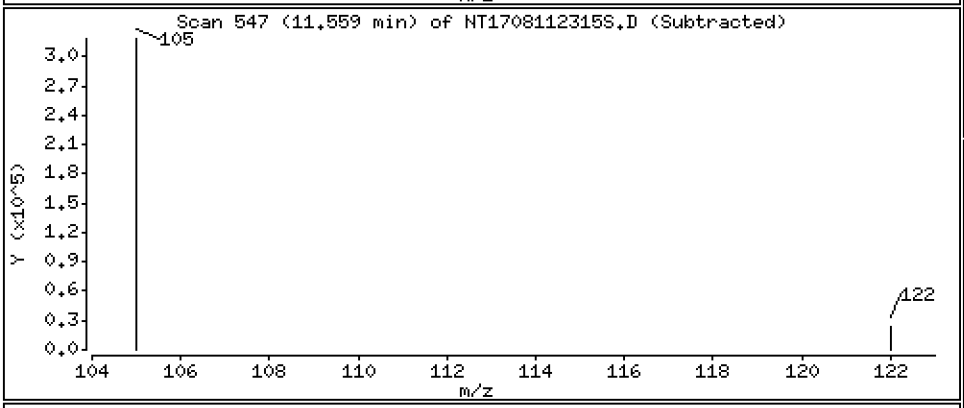
Column diameter: 0.25

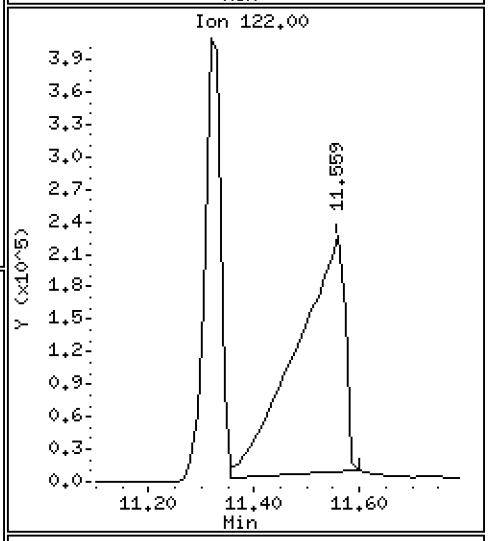
24 Benzoic acid

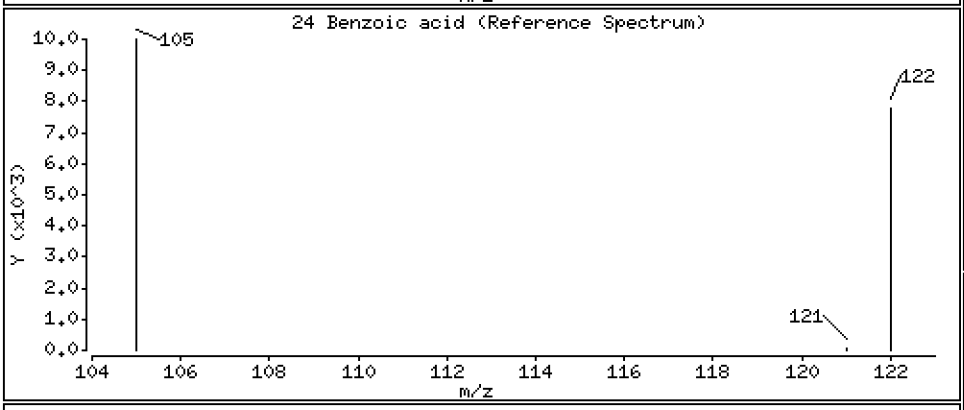
Concentration: 24.16 ug/mL

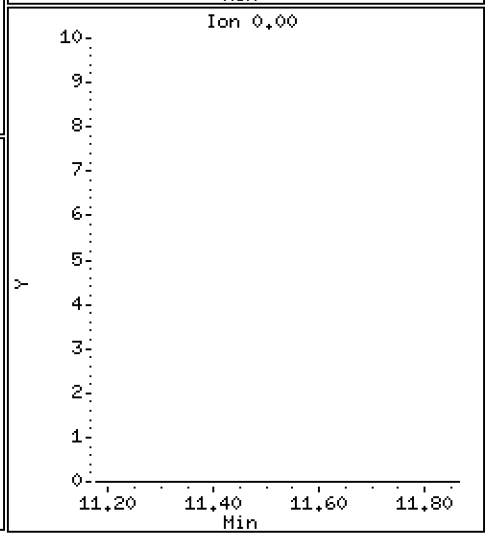


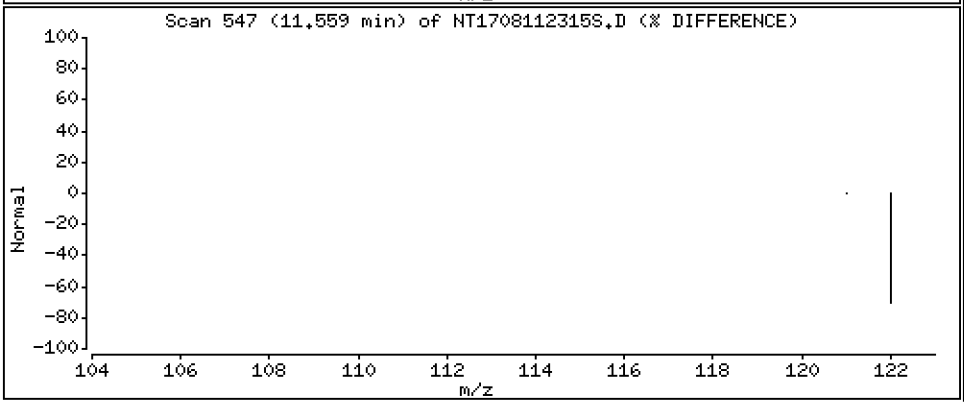












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112315S.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

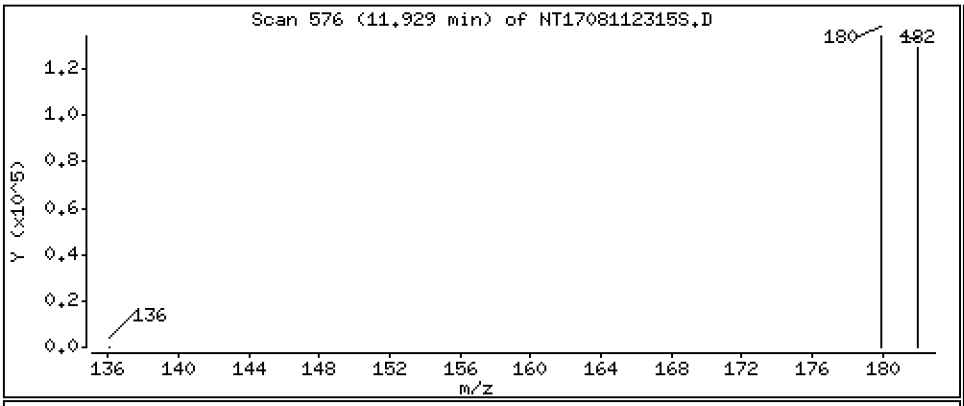
Operator: YZ

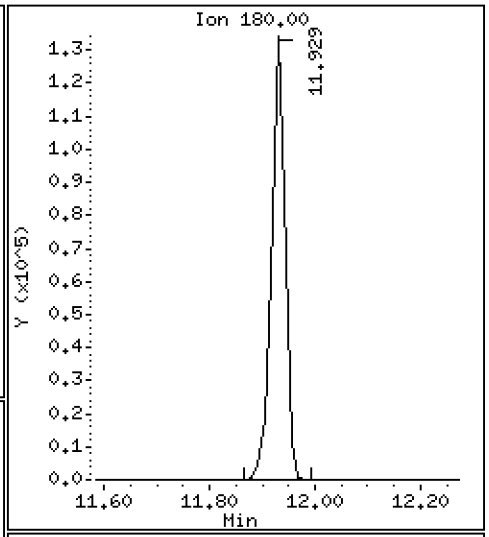
Column phase: ZB-5msi

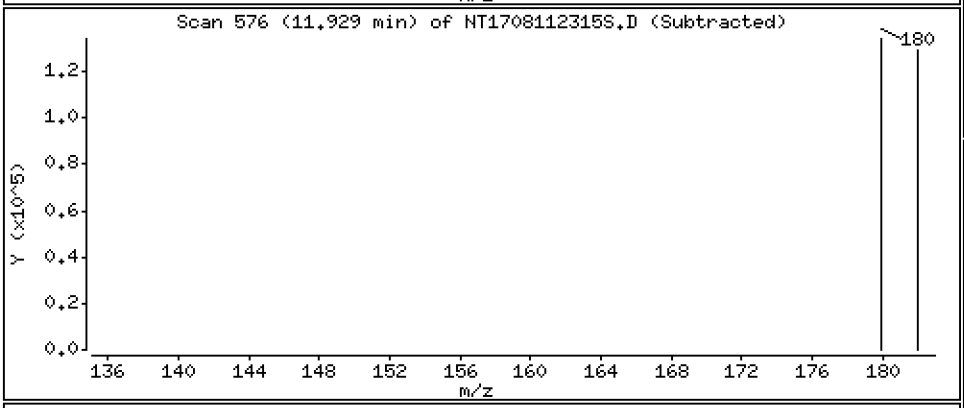
Column diameter: 0.25

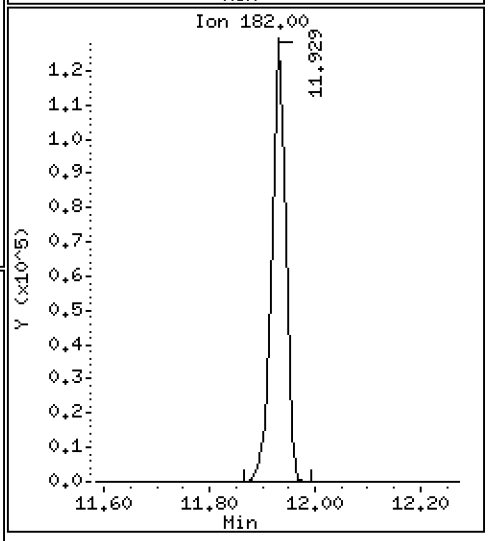
26 1,2,4-Trichlorobenzene

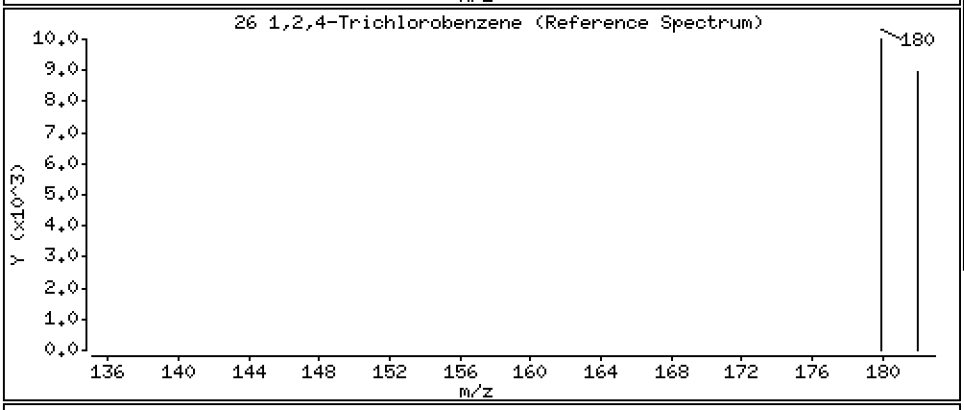
Concentration: 3.082 ug/mL

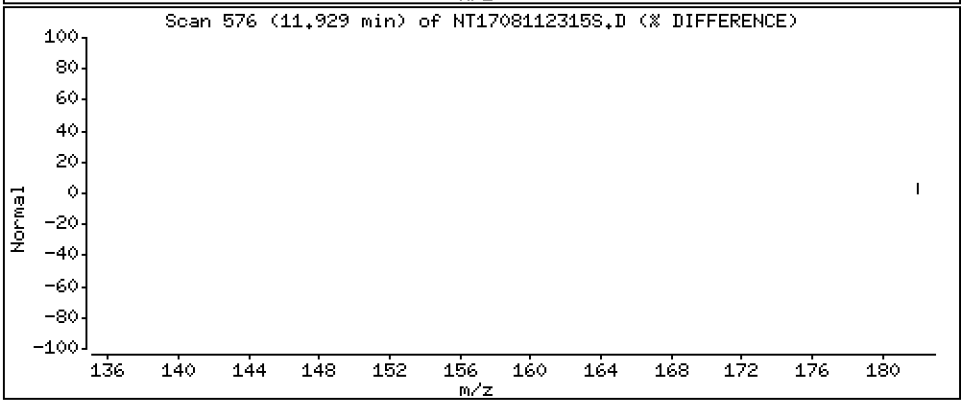












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

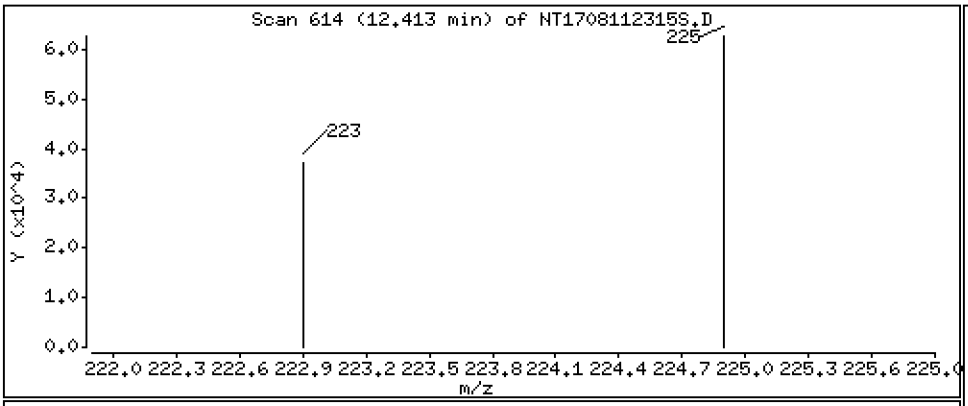
Operator: YZ

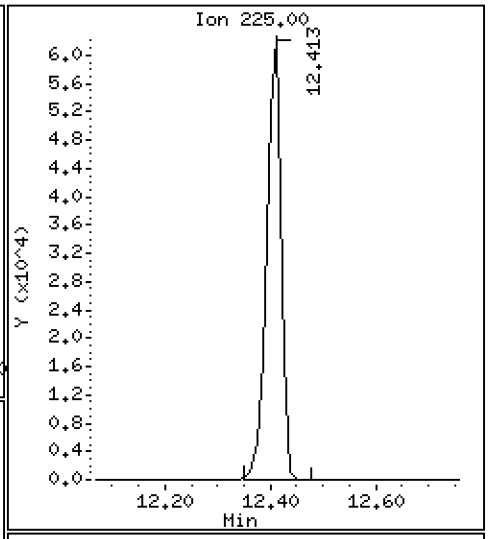
Column phase: ZB-5msi

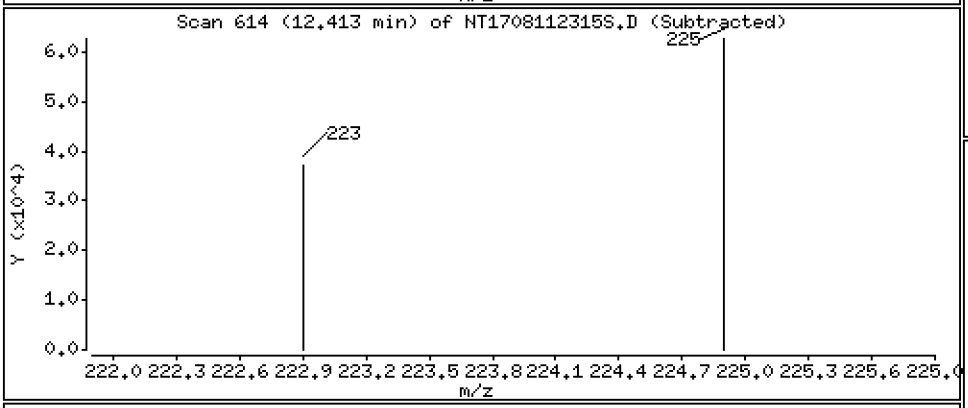
Column diameter: 0.25

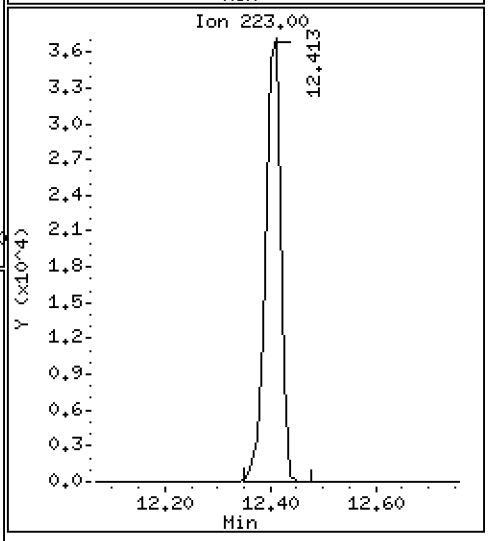
30 Hexachlorobutadiene

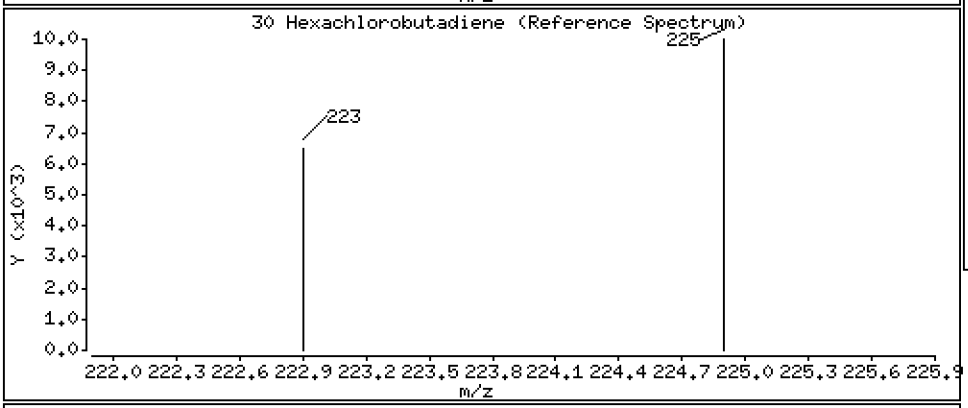
Concentration: 3.246 ug/mL

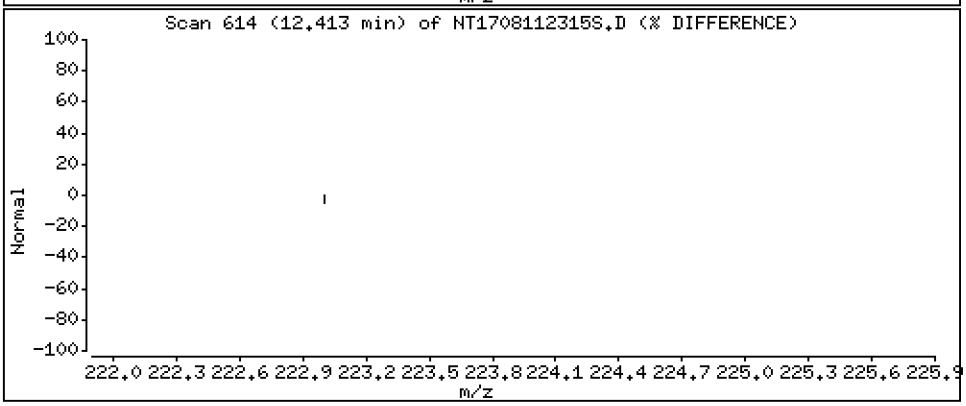












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

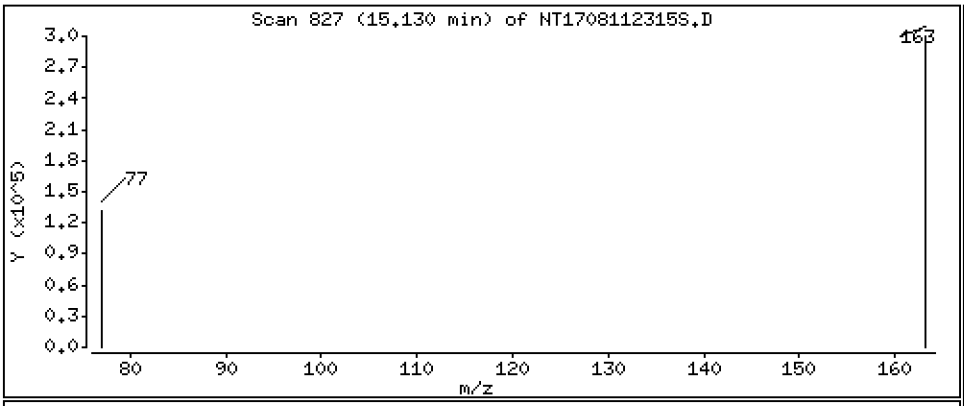
Operator: YZ

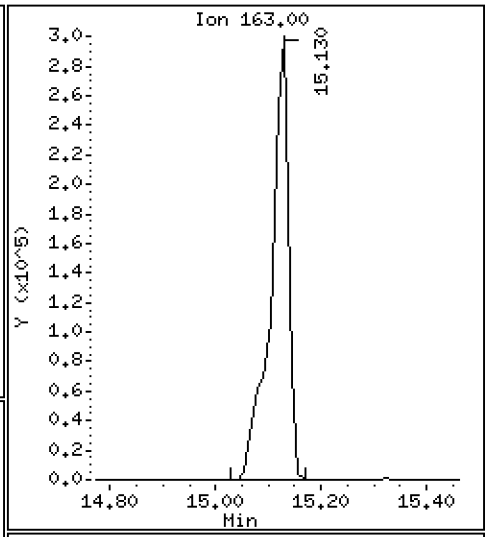
Column phase: ZB-5msi

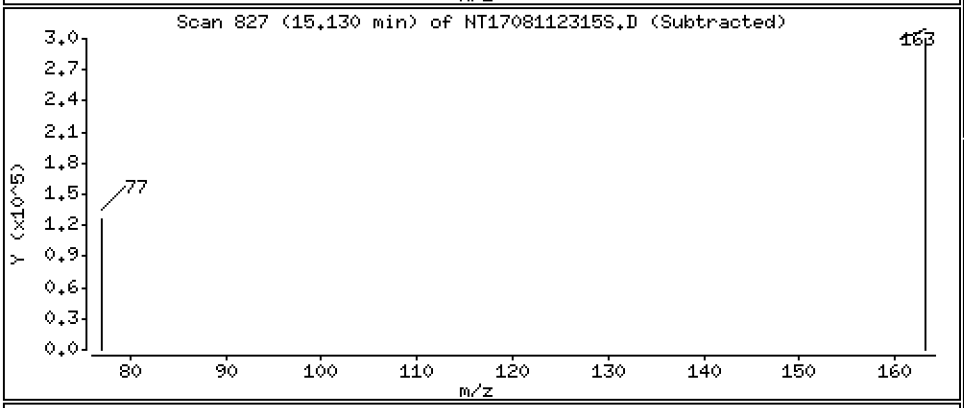
Column diameter: 0.25

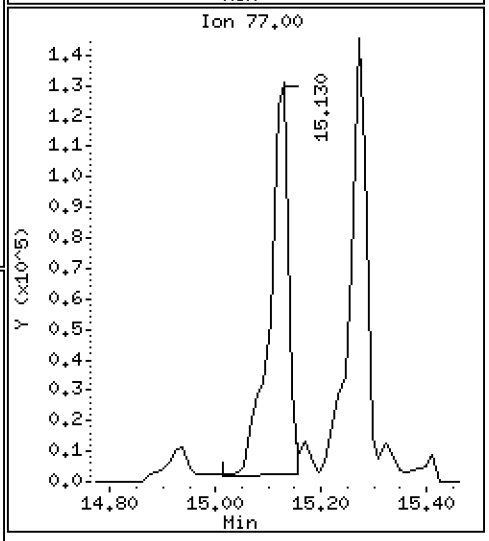
39 Dimethylphthalate

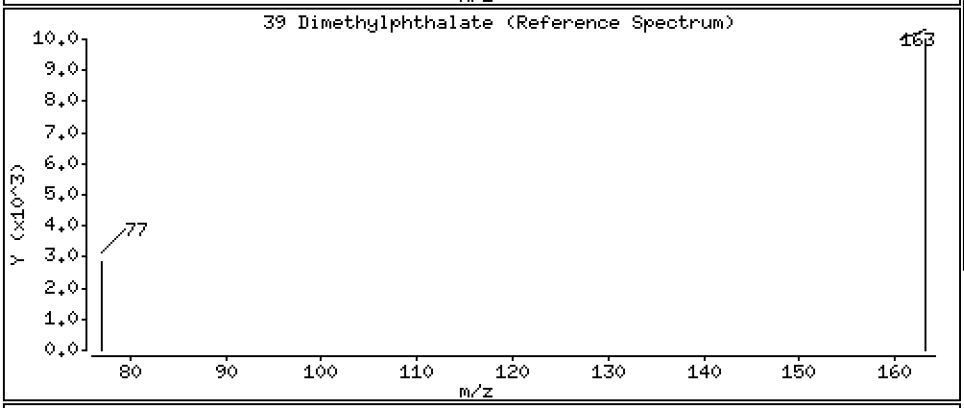
Concentration: 4.121 ug/mL

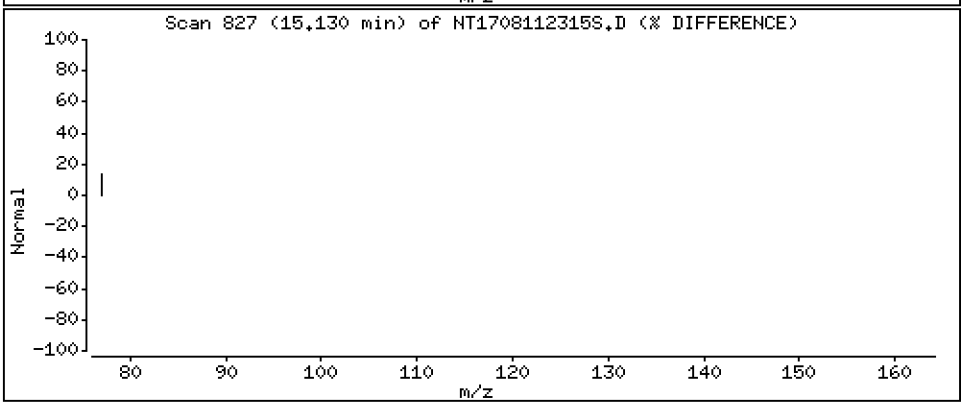












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

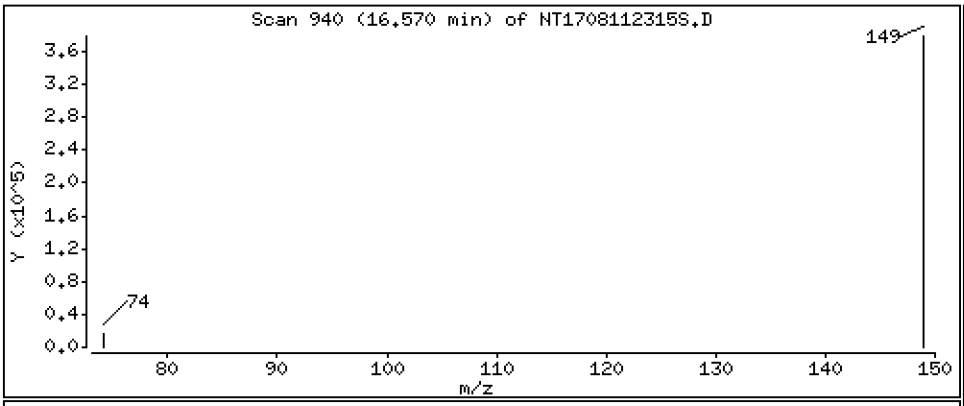
Operator: YZ

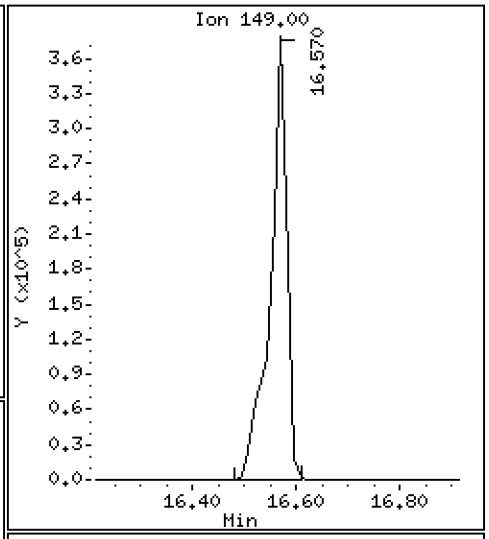
Column phase: ZB-5msi

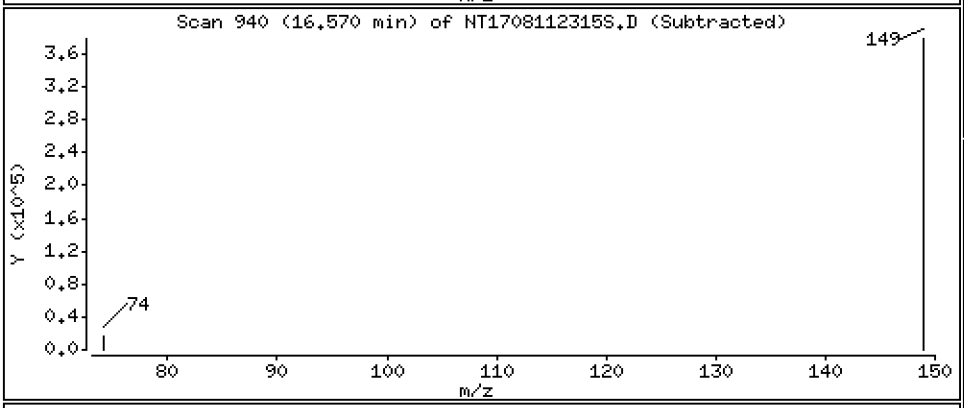
Column diameter: 0.25

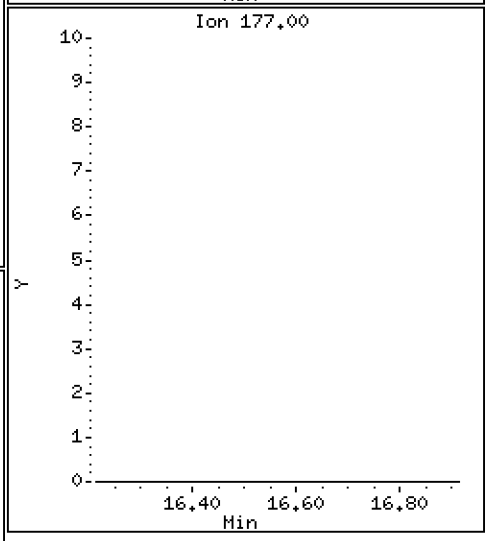
50 Diethylphthalate

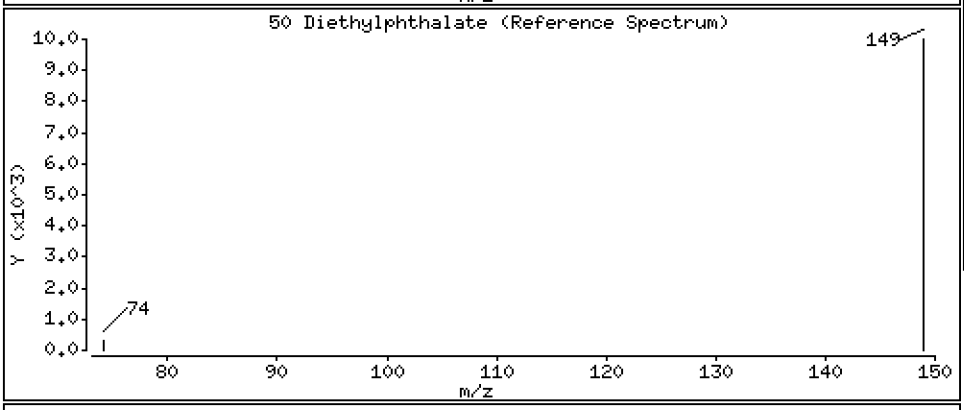
Concentration: 4.782 ug/mL

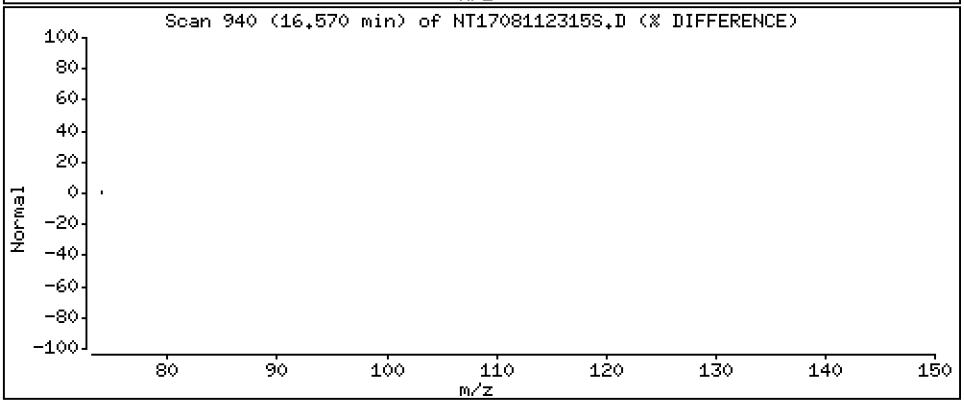












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

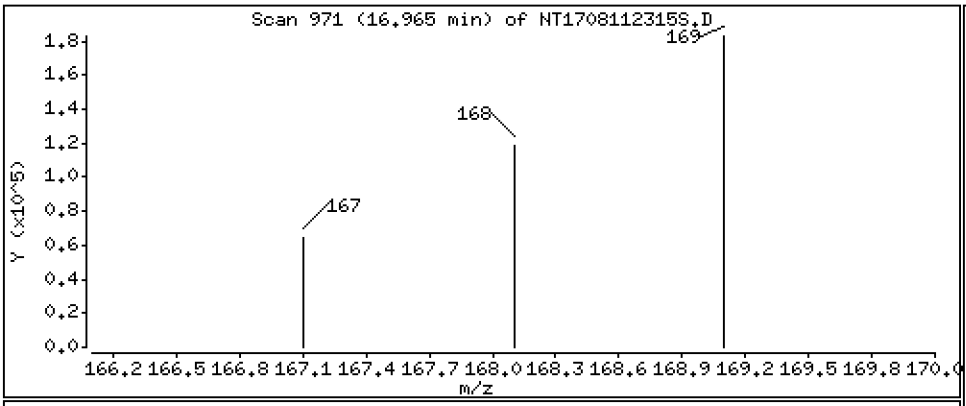
Operator: YZ

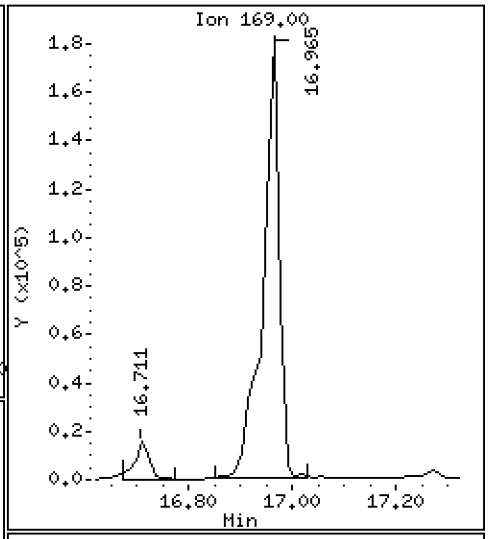
Column phase: ZB-5msi

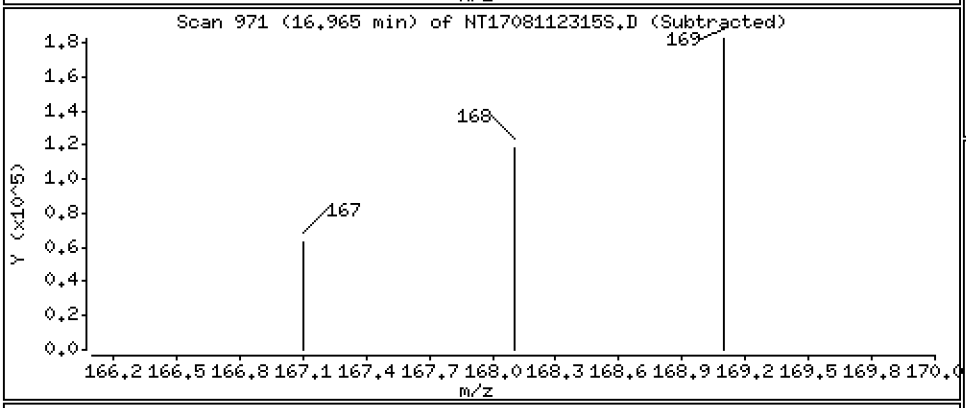
Column diameter: 0.25

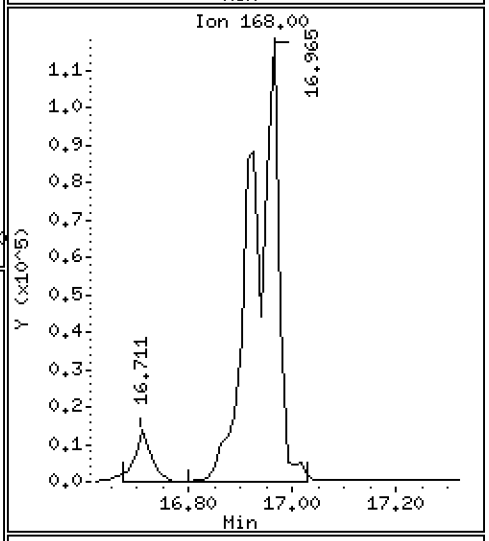
54 N-Nitrosodiphenylamine

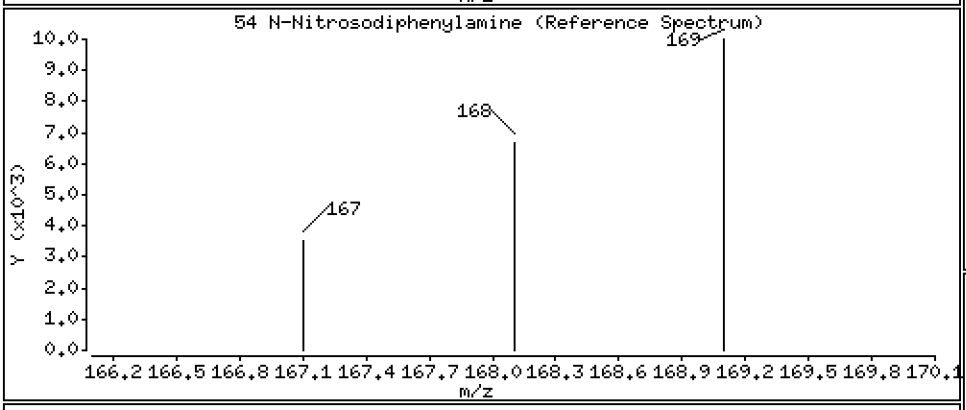
Concentration: 3.289 ug/mL

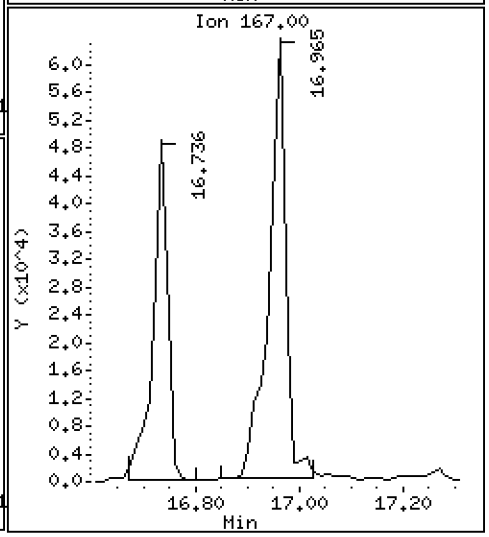


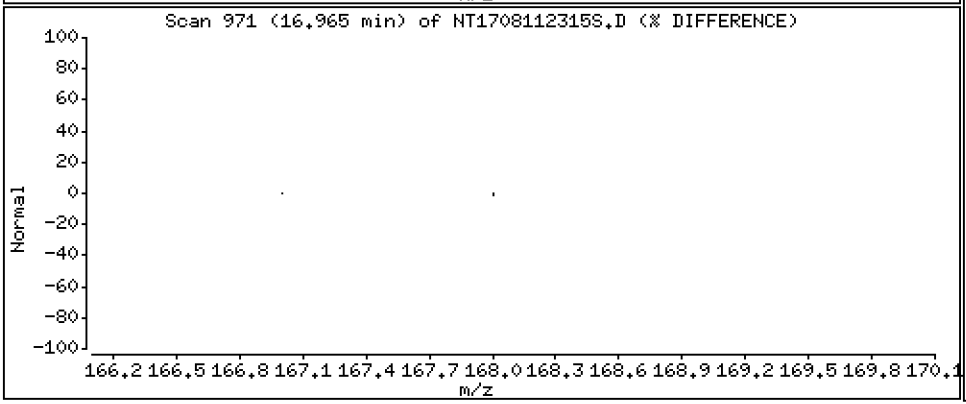












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112315S.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

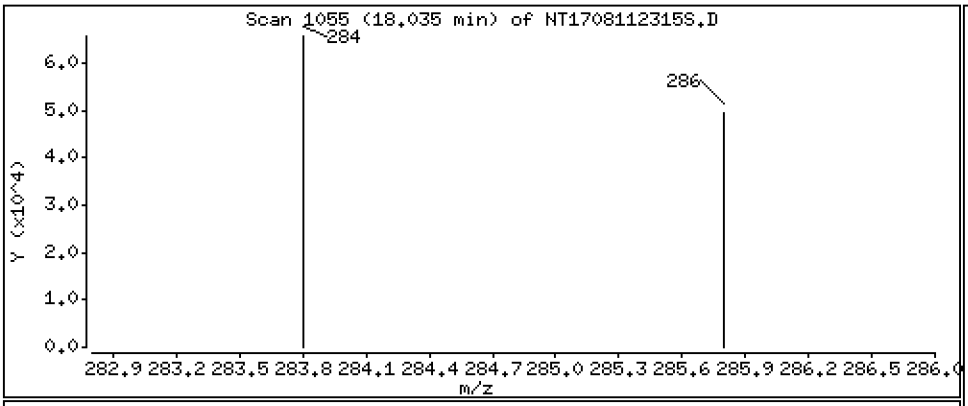
Operator: YZ

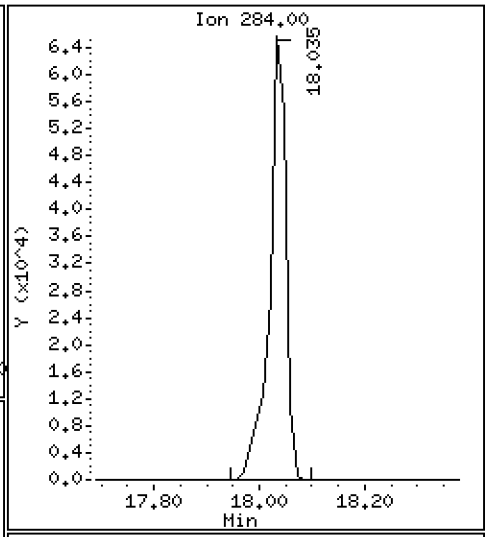
Column phase: ZB-5msi

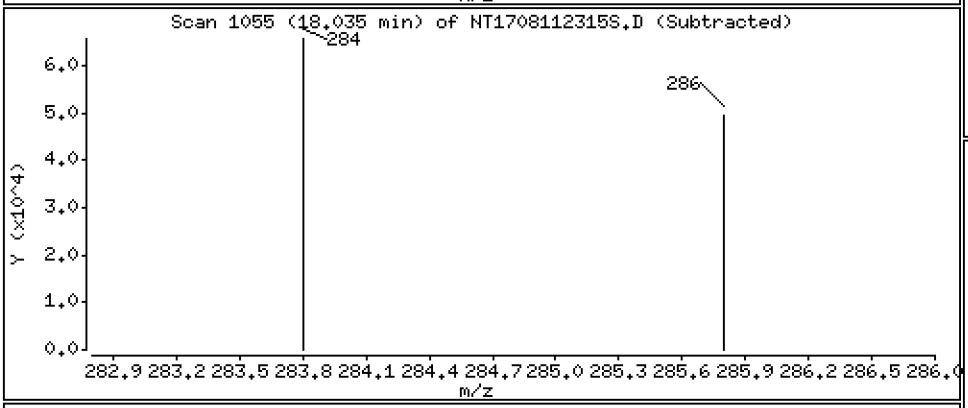
Column diameter: 0.25

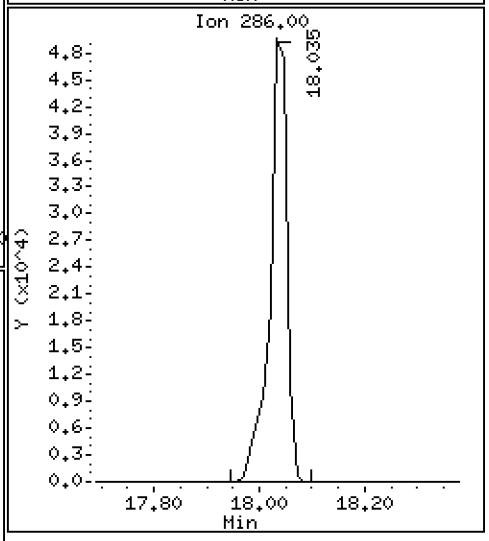
57 Hexachlorobenzene

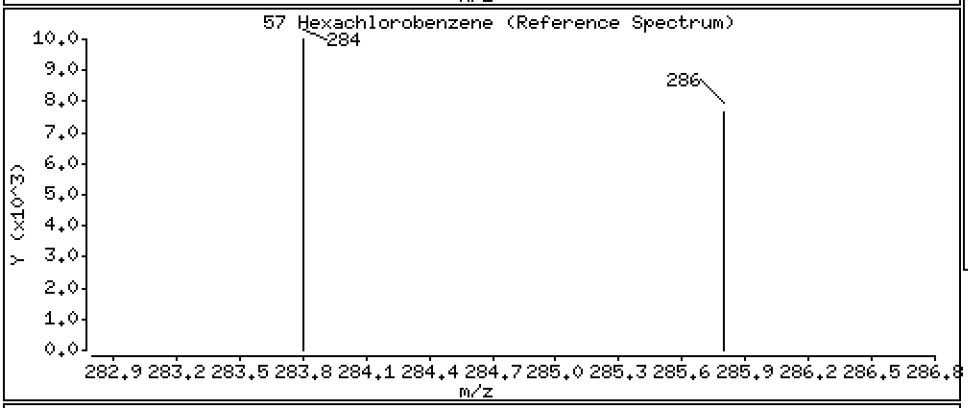
Concentration: 3.633 ug/mL

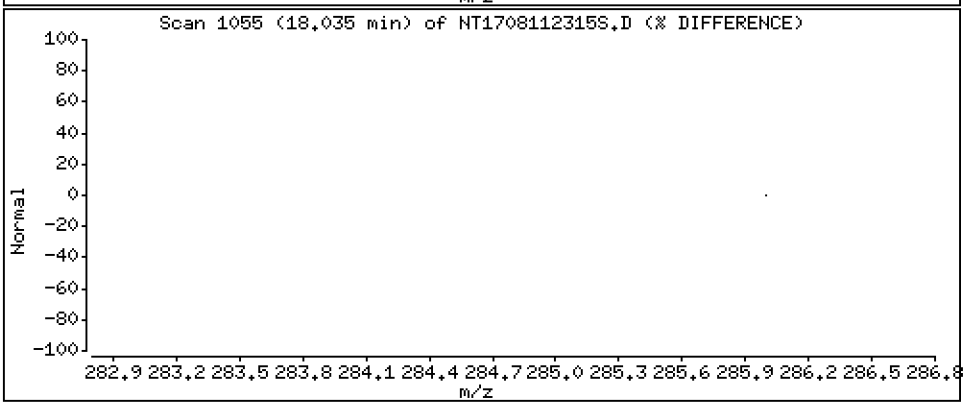












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Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

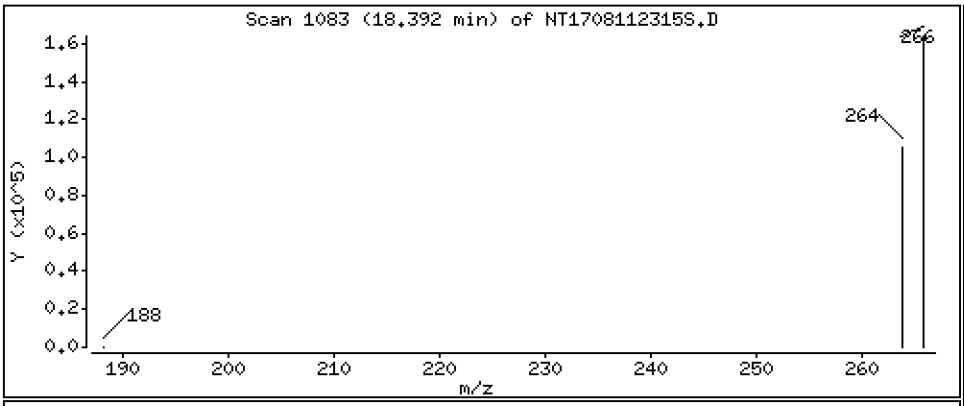
Operator: YZ

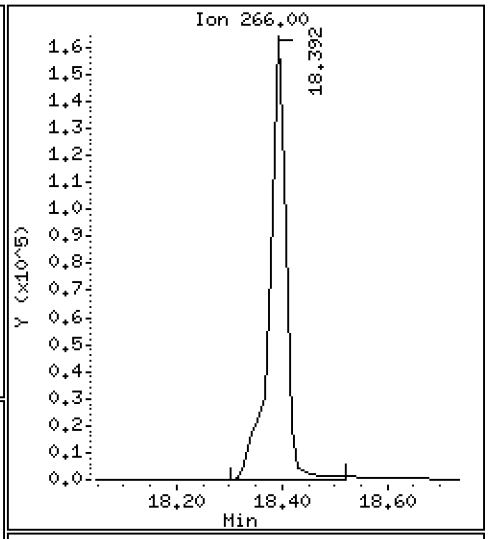
Column phase: ZB-5msi

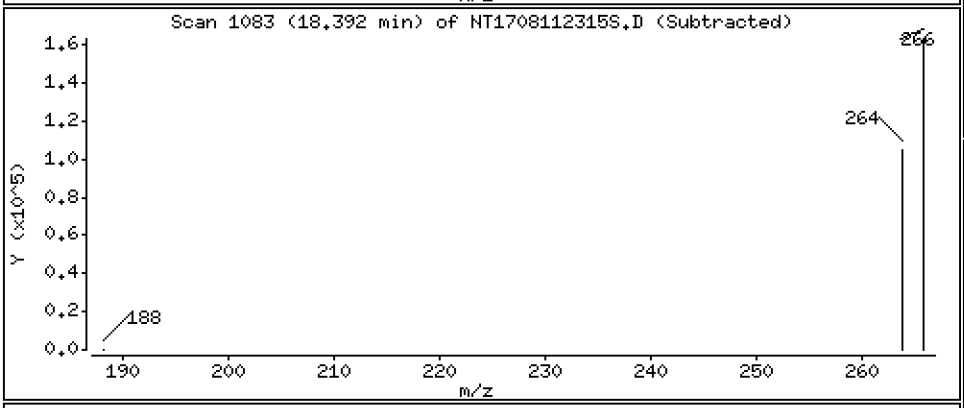
Column diameter: 0.25

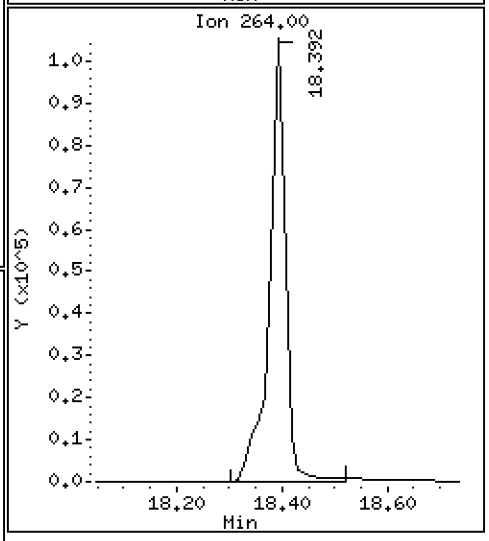
58 Pentachlorophenol

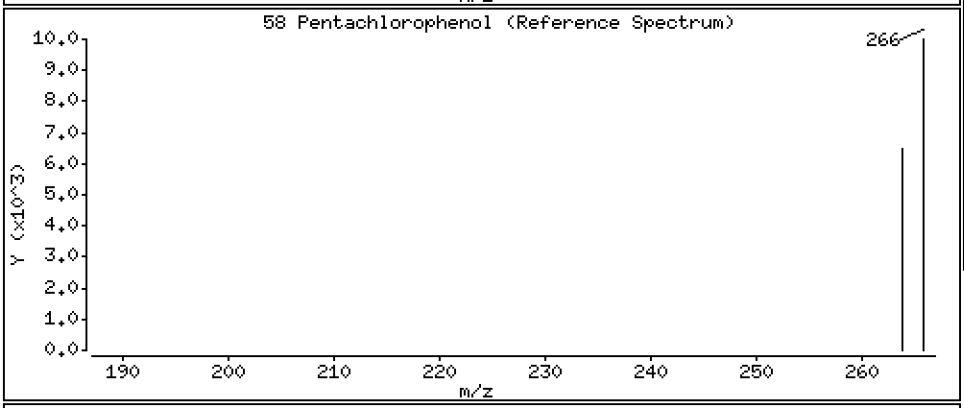
Concentration: 13.41 ug/mL

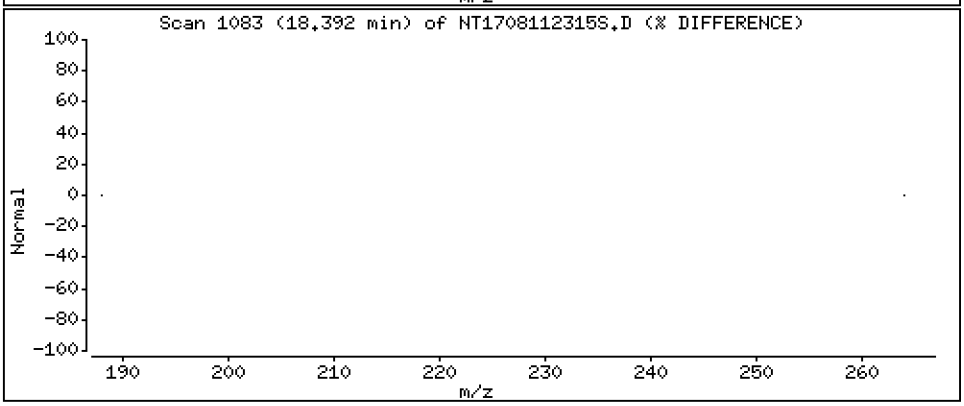












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112315S.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

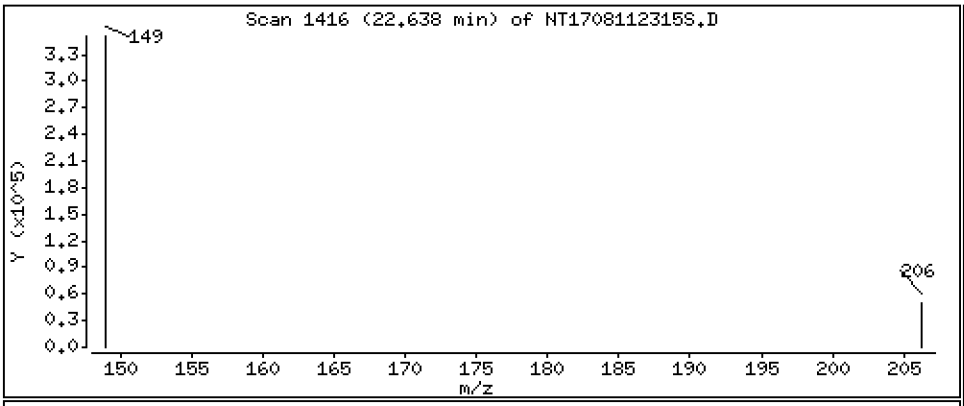
Operator: YZ

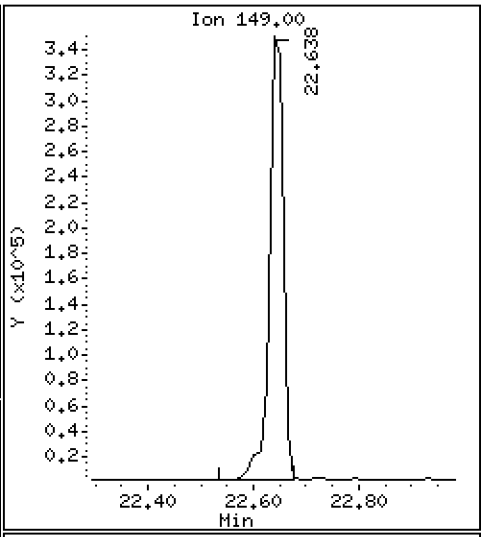
Column phase: ZB-5msi

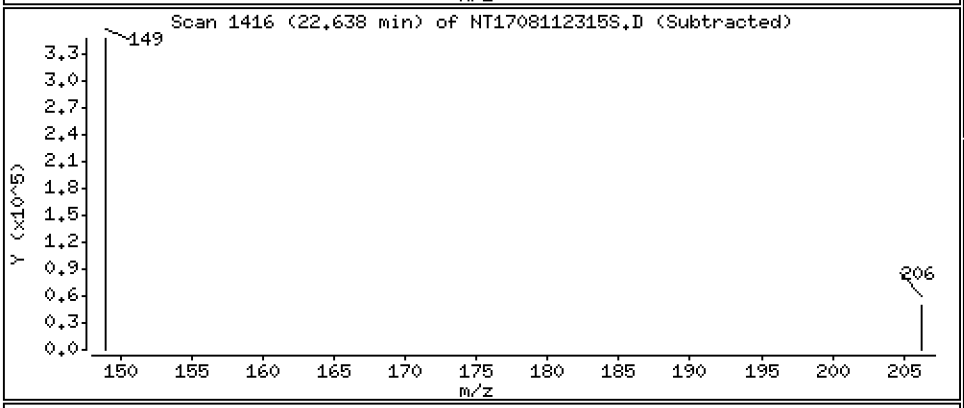
Column diameter: 0.25

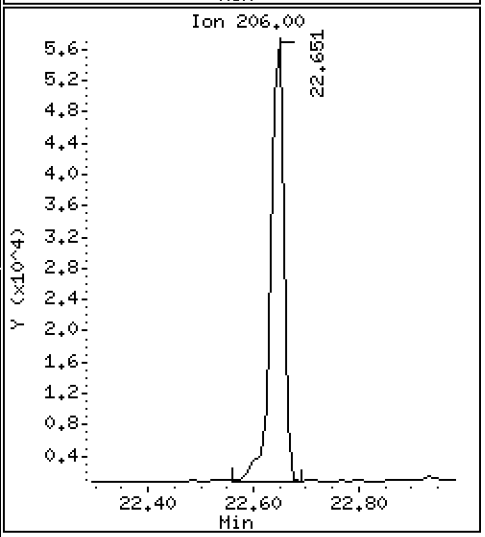
67 Butylbenzylphthalate

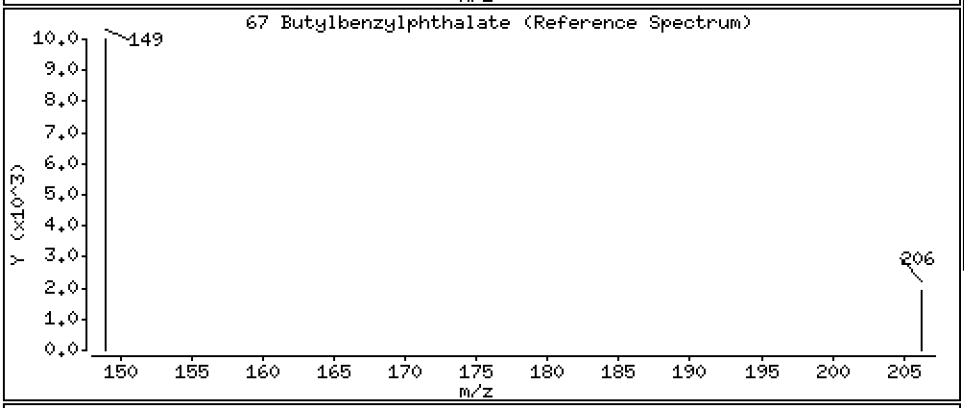
Concentration: 4.356 ug/mL

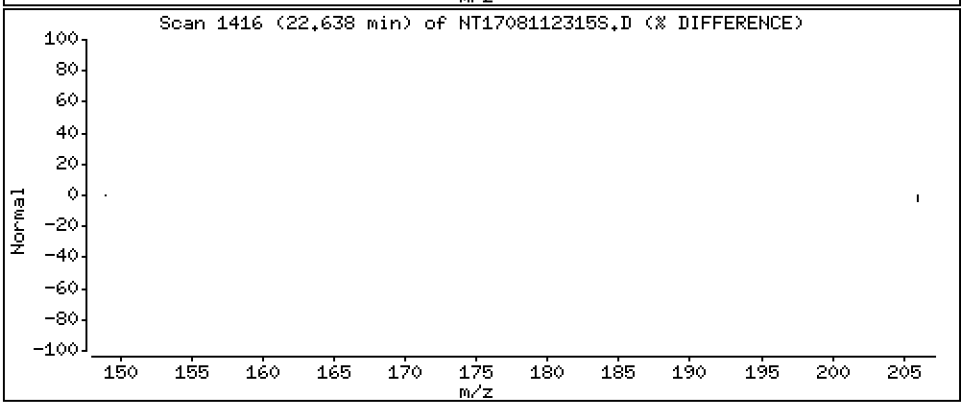












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112315S.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

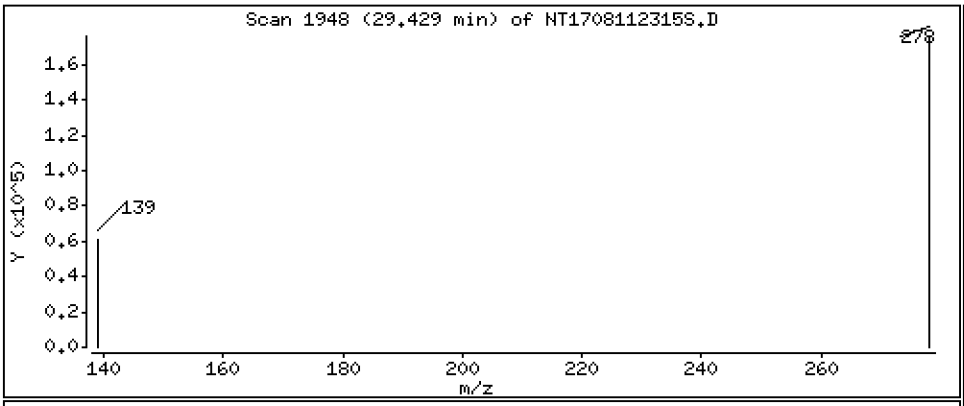
Operator: YZ

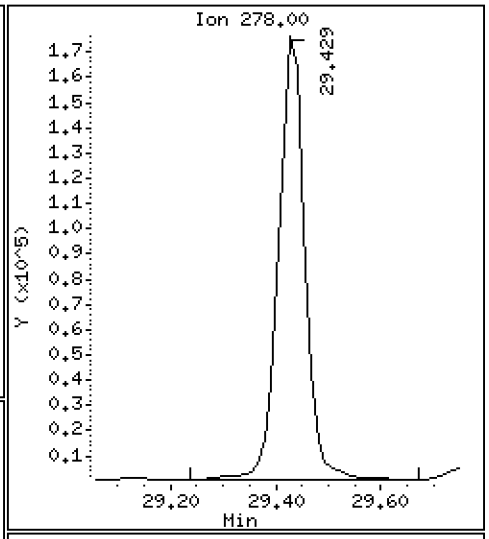
Column phase: ZB-5msi

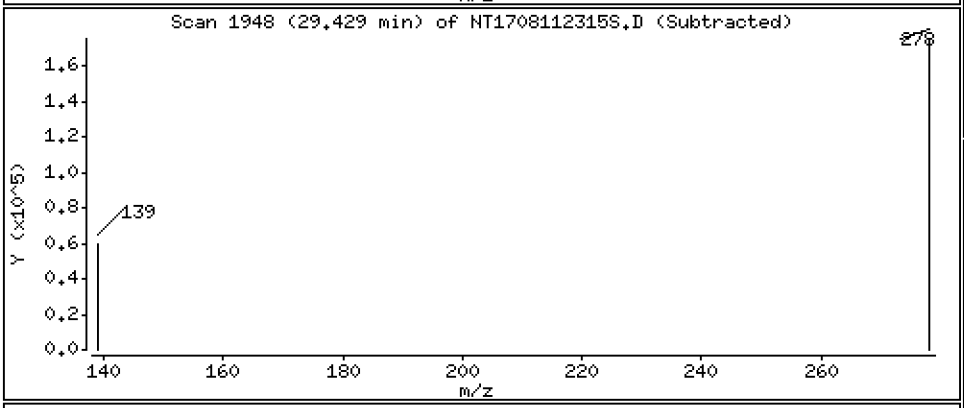
Column diameter: 0.25

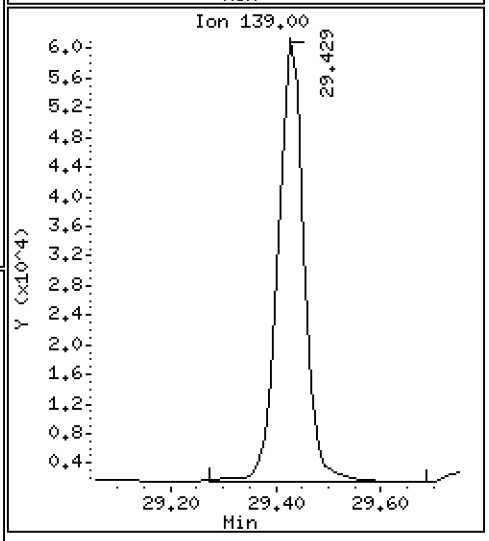
79 Dibenzo(a,h)anthracene

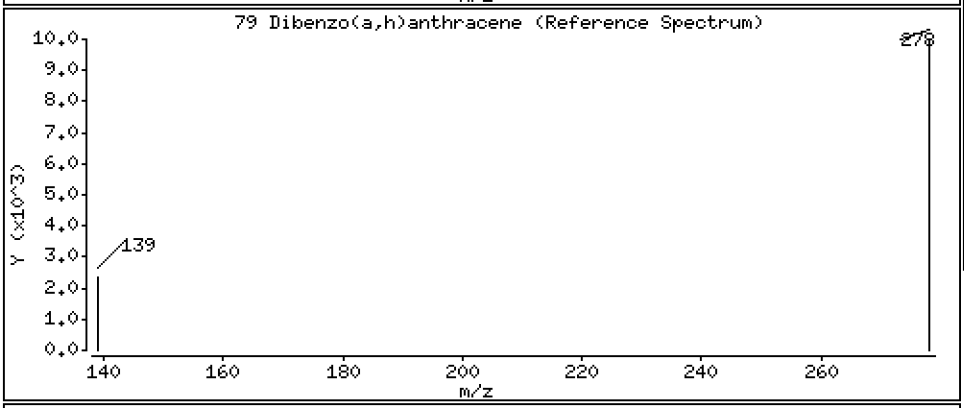
Concentration: 3.921 ug/mL

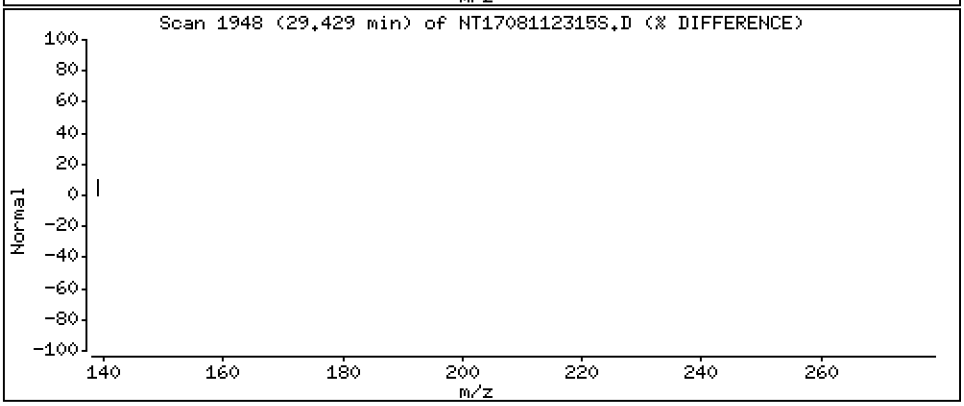












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT17081123155.D

Date : 11-AUG-2023 20:57

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MS1

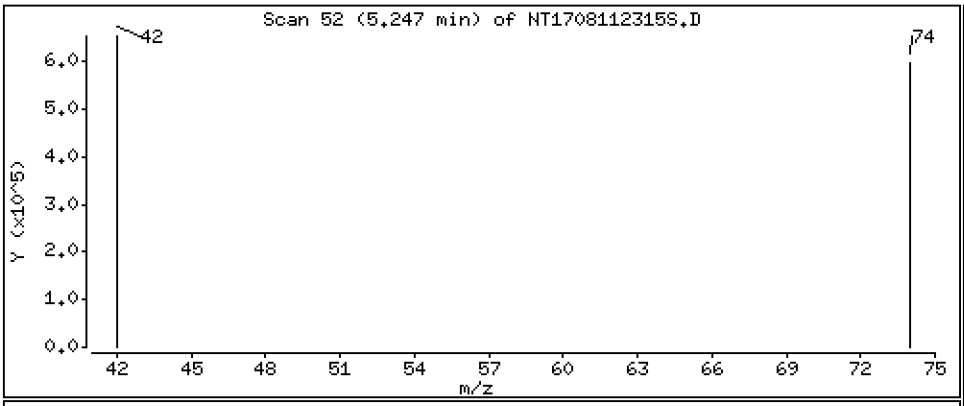
Operator: YZ

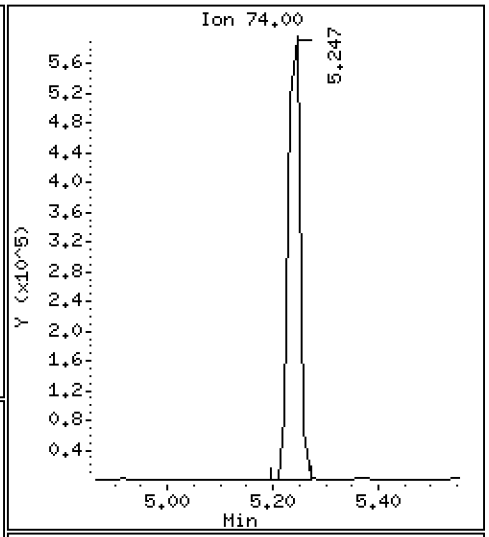
Column phase: ZB-5msi

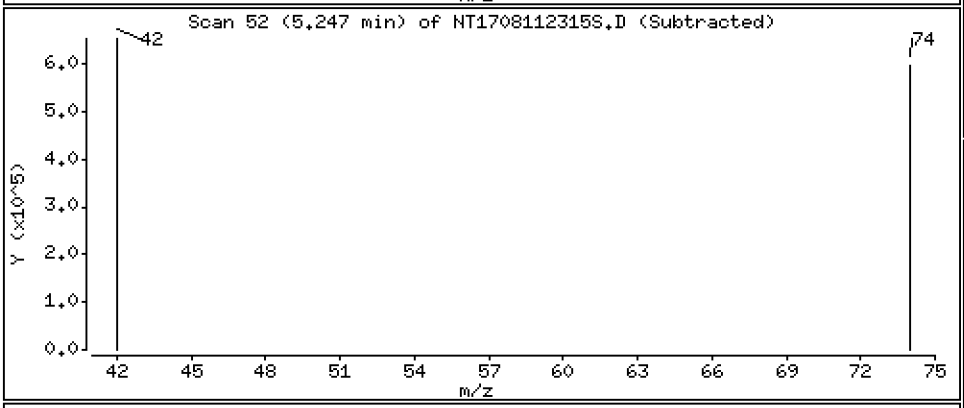
Column diameter: 0.25

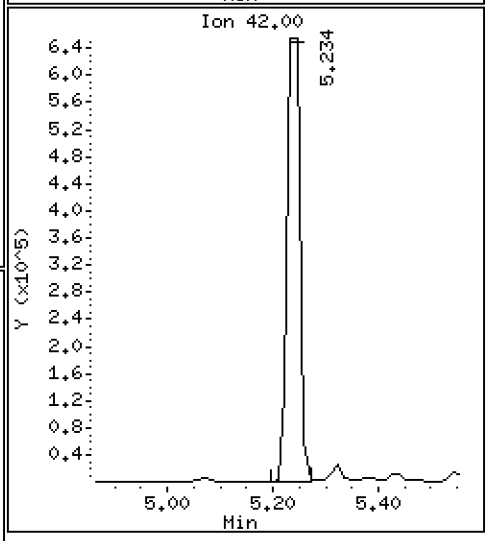
90 N-Nitrosodimethylamine

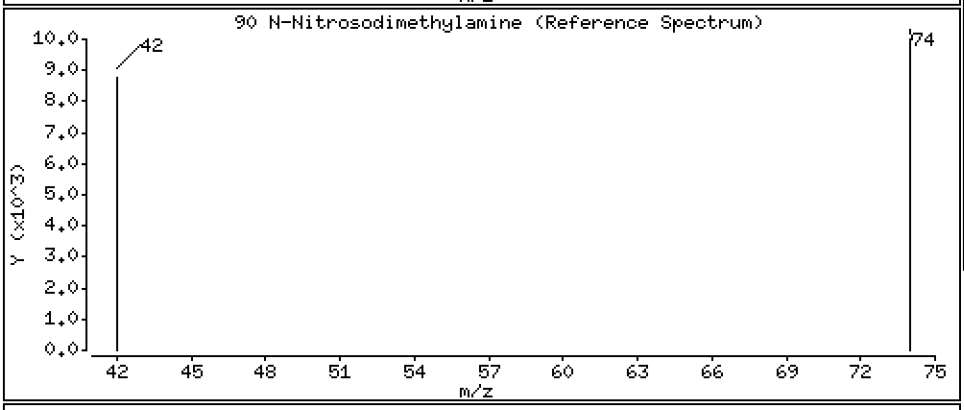
Concentration: 8.241 ug/mL

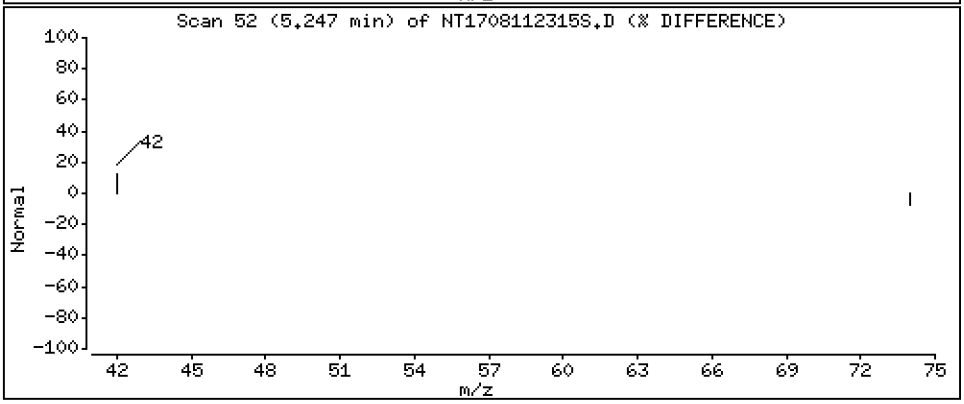












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112315S.D
Lab Smp Id: BLH0180-MS1
Inj Date : 11-AUG-2023 20:57
Operator : YZ Inst ID: nt17.i
Smp Info : BLH0180-MS1
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230811.b\SIM.b\SIMABN2.m
Meth Date : 16-Aug-2023 08:42 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

							CONCENTRATIONS	
		QUANT SIG					ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
$	1 2-Fluorophenol	112	7.311	7.298	(0.766)	578363	5.02186	5.022(R)
	3 Phenol	94	8.890	8.891	(0.932)	665751	3.79207	3.792
	7 1,3-Dichlorobenzene	146	9.477	9.477	(0.993)	353899	2.98008	2.980
*	8 1,4-Dichlorobenzene-d4	152	9.541	9.541	(1.000)	277367	4.00000	
	9 1,4-Dichlorobenzene	146	9.566	9.566	(1.003)	350346	3.04841	3.048
	11 Benzyl alcohol	79	9.796	9.796	(1.027)	469201	3.86129	3.861
	12 1,2-Dichlorobenzene	146	9.924	9.924	(1.040)	345116	3.09568	3.096
	13 2-Methylphenol	108	10.013	10.001	(1.050)	380906	3.57815	3.578
	15 4-Methylphenol	108	10.282	10.269	(1.078)	419895	3.77391	3.774
	16 N-Nitroso-di-n-propylamine	70	10.358	10.346	(1.086)	458092	4.02619	4.026
	22 2,4-Dimethylphenol	107	11.316	11.316	(0.942)	1148295	10.0062	10.01
	24 Benzoic acid	105	11.559	11.444	(0.962)	2055536	24.1579	24.16
	26 1,2,4-Trichlorobenzene	180	11.929	11.929	(0.993)	241653	3.08193	3.082
*	27 Naphthalene-d8	136	12.018	12.018	(1.000)	1143757	4.00000	
	30 Hexachlorobutadiene	225	12.413	12.413	(1.033)	119189	3.24589	3.246
	39 Dimethylphthalate	163	15.129	15.117	(0.967)	689030	4.12076	4.121
*	42 Acenaphthene-d10	162	15.640	15.627	(1.000)	514461	4.00000	
	50 Diethylphthalate	149	16.570	16.557	(1.059)	831444	4.78221	4.782
	54 N-Nitrosodiphenylamine	169	16.965	16.965	(0.909)	392474	3.28880	3.289
	57 Hexachlorobenzene	284	18.034	18.034	(0.966)	142060	3.63338	3.633
	58 Pentachlorophenol	266	18.391	18.391	(0.985)	355676	13.4052	13.41
*	59 Phenanthrene-d10	188	18.672	18.659	(1.000)	830080	4.00000	
$	66 Terphenyl-d14	244	21.745	21.745	(0.920)	300268	3.89389	3.894(R)
	67 Butylbenzylphthalate	149	22.638	22.638	(0.957)	644171	4.35644	4.356
*	69 Chrysene-d12	240	23.646	23.646	(1.000)	557244	4.00000	
*	77 Perylene-d12	264	26.465	26.452	(1.000)	530402	4.00000	
	79 Dibenzo(a,h)anthracene	278	29.429	29.403	(1.112)	614205	3.92056	3.921
	90 N-Nitrosodimethylamine	74	5.247	5.209	(0.550)	965765	8.24106	8.241

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i Calibration Date: 11-AUG-2023
Lab File ID: NT1708112315S.D Calibration Time: 13:27
Lab Smp Id: BLH0180-MS1
Analysis Type: SV Level:
Quant Type: ISTD Sample Type:
Operator: YZ
Method File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\SIMABN2.m
Misc Info:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	295324	147662	590648	277367	-6.08
27 Naphthalene-d8	1172715	586358	2345430	1143757	-2.47
42 Acenaphthene-d10	521273	260637	1042546	514461	-1.31
59 Phenanthrene-d10	837823	418912	1675646	830080	-0.92
69 Chrysene-d12	615517	307759	1231034	557244	-9.47
77 Perylene-d12	594634	297317	1189268	530402	-10.80

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.54	9.04	10.04	9.54	-0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	-0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.64	0.08
59 Phenanthrene-d10	18.66	18.16	19.16	18.67	0.07
69 Chrysene-d12	23.65	23.15	24.15	23.65	-0.00
77 Perylene-d12	26.45	25.95	26.95	26.47	0.05

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

REVIEW SUMMARY FOR FILE - NT1708112315S.D

Lab ID: BLH0180-MS1
nt17.i, 20230811.b\SIM.b\SIMABN2.m,   11-AUG-2023 20:57

RT	CO-ELUTION COMPOUNDS
NO CO-ELUTIONS	

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.962	0.952	0.0096	Benzoic acid

RRT check based on Ccal File: SIM.b/NT1708112303S.D

On Column LOD for nt17.i, SIM.b\SIMABN2.m, PSDDA.sub = 0.0000

Exception: 1,2,4-Trichlorobenzene 0.0010

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

Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT17081123165.D

Page 1

Date : 11-AUG-2023 21:35

Client ID:

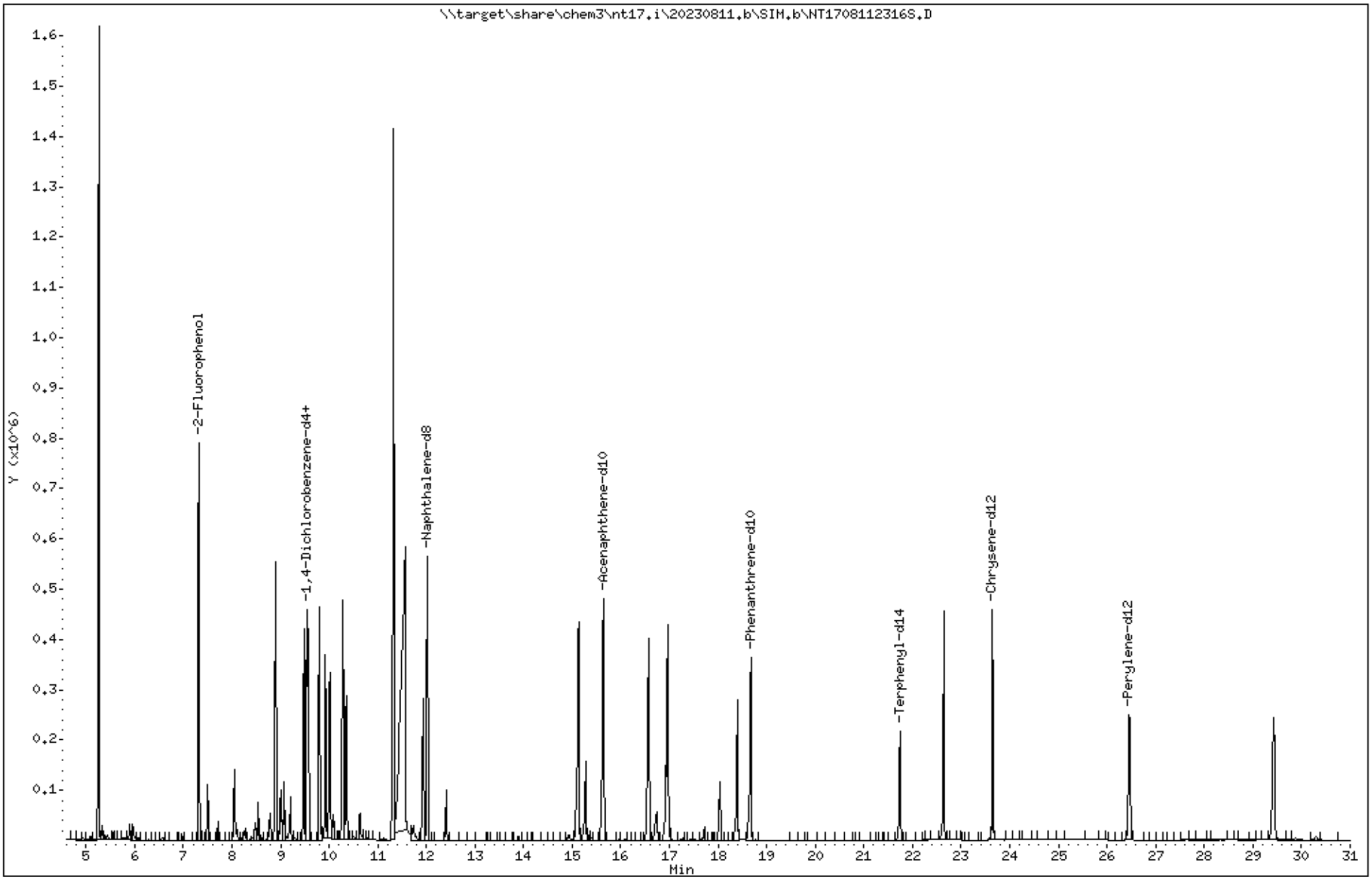
Instrument: nt17.i

Sample Info: BLH0180-MSD1

Operator: YZ

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

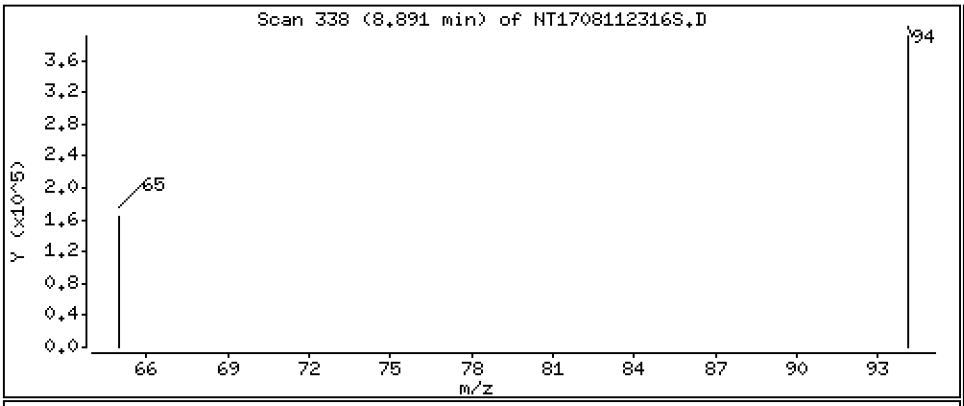
Operator: YZ

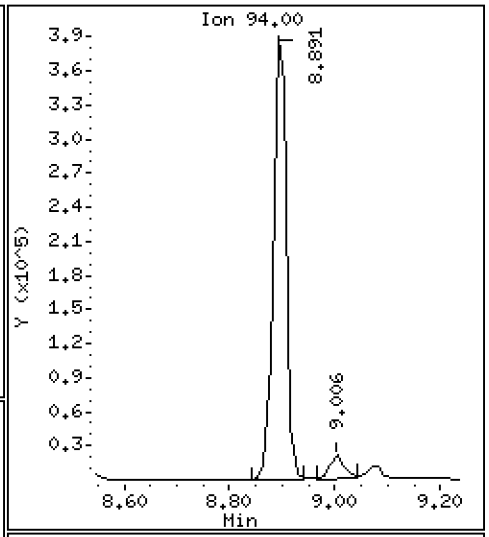
Column phase: ZB-5msi

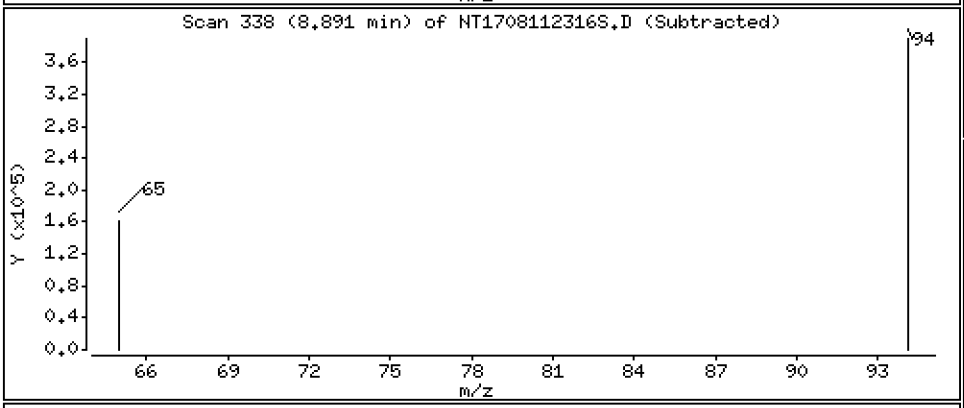
Column diameter: 0.25

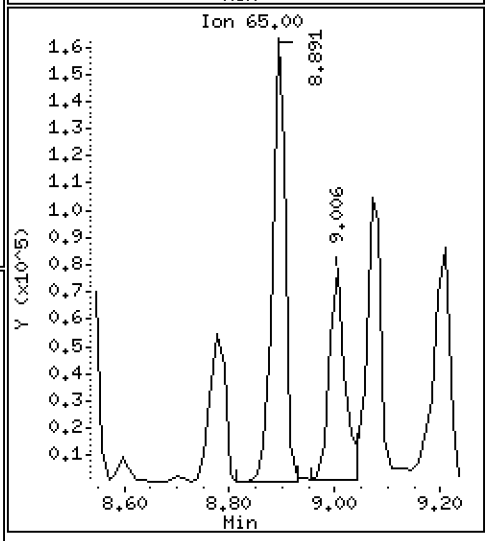
3 Phenol

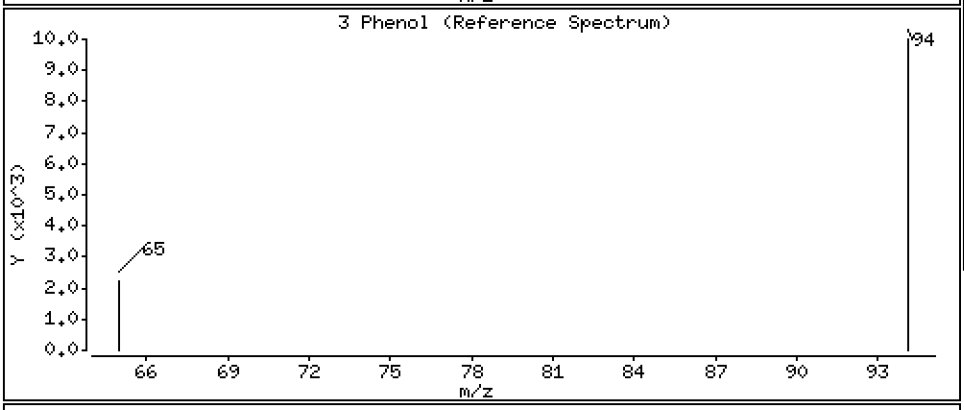
Concentration: 4.054 ug/mL

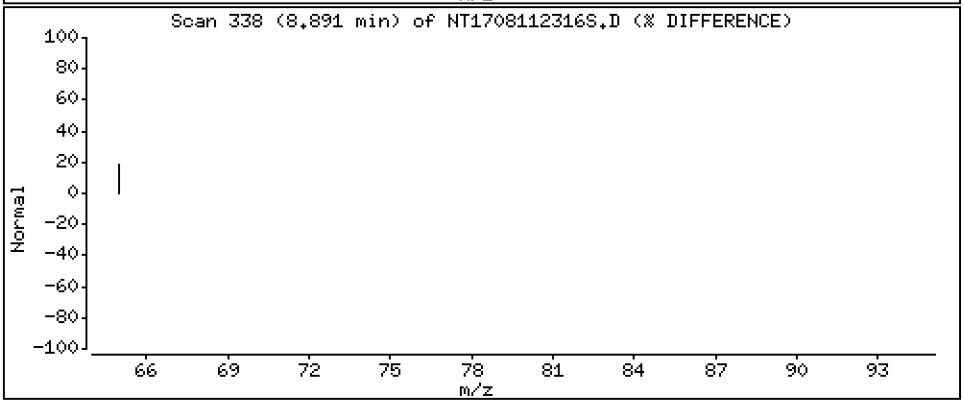












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112316S.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

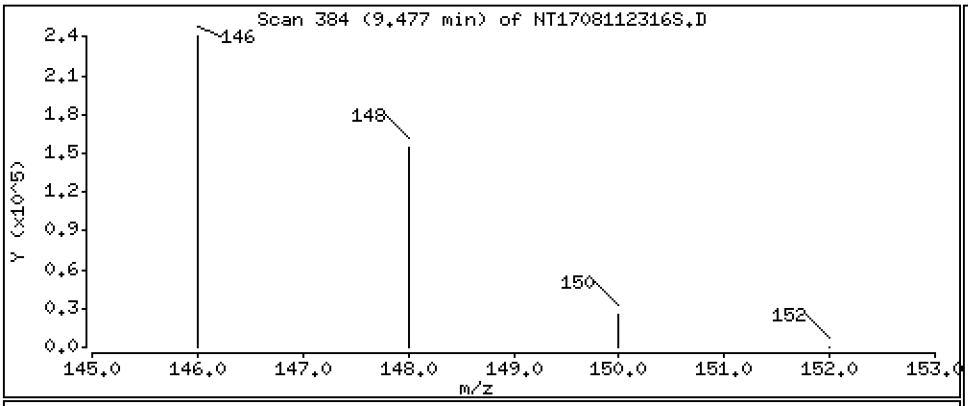
Operator: YZ

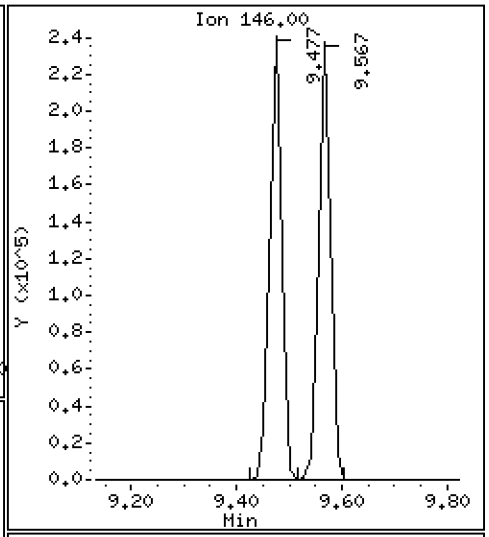
Column phase: ZB-5msi

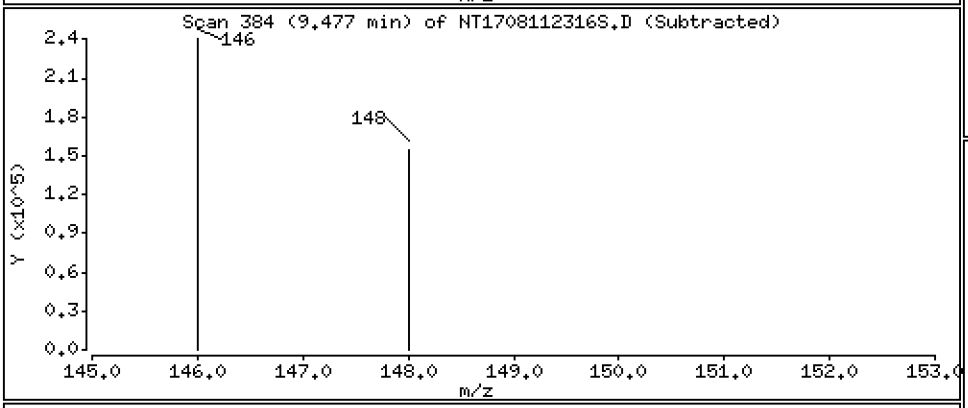
Column diameter: 0.25

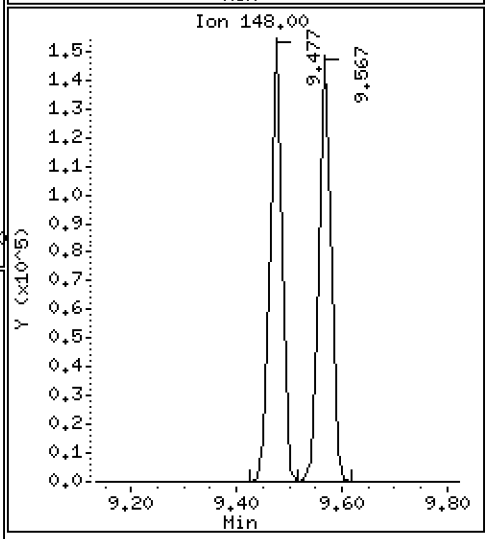
7 1,3-Dichlorobenzene

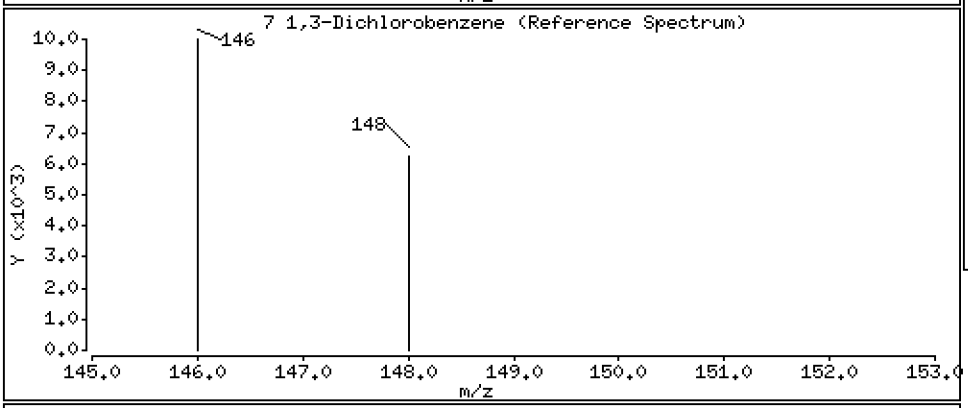
Concentration: 3.323 ug/mL

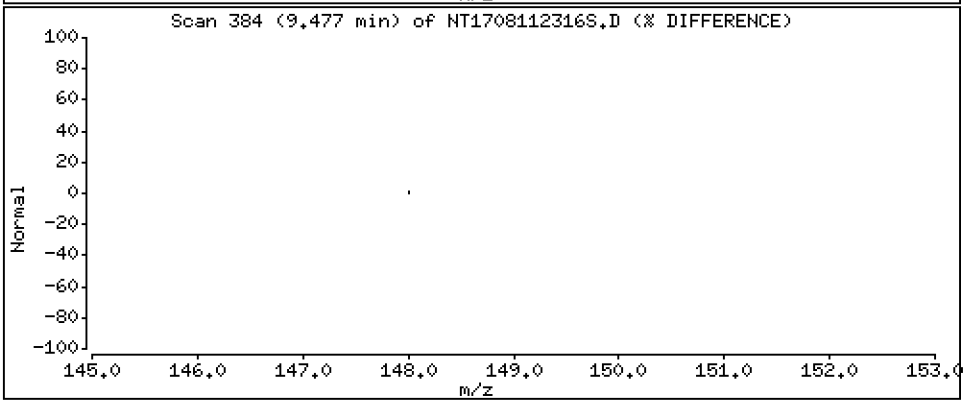












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Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

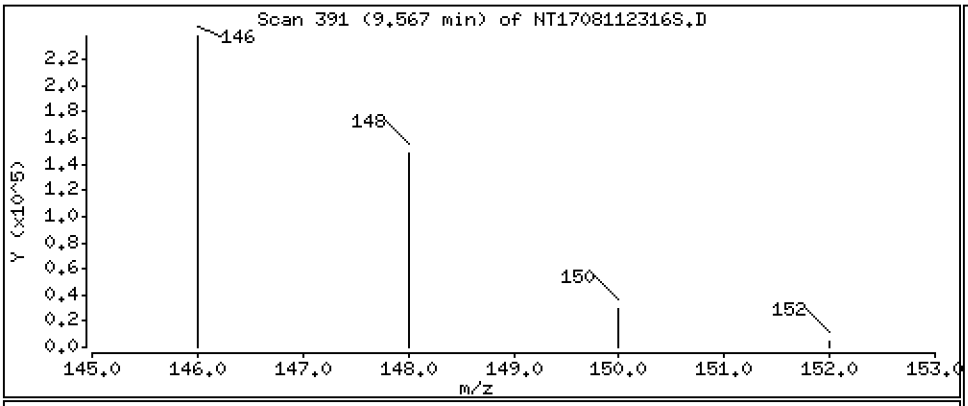
Operator: YZ

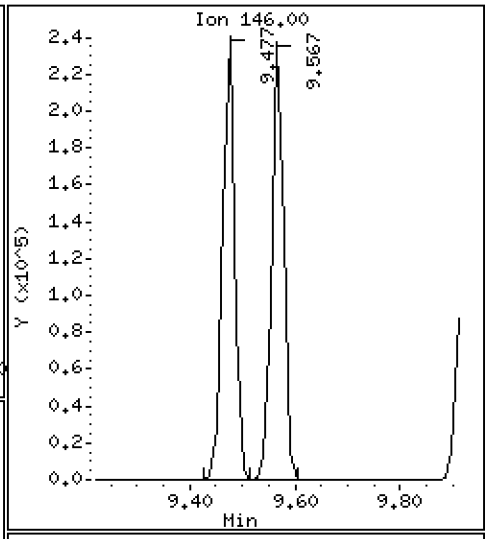
Column phase: ZB-5msi

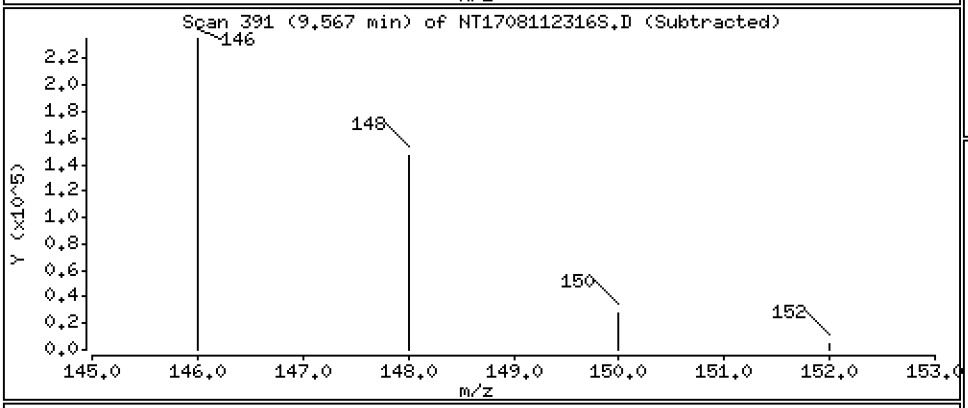
Column diameter: 0.25

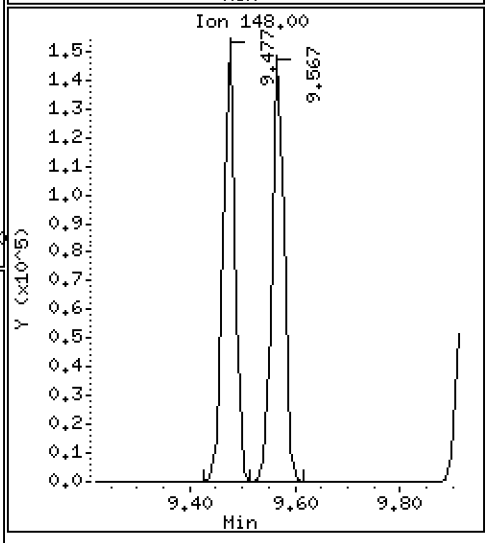
9 1,4-Dichlorobenzene

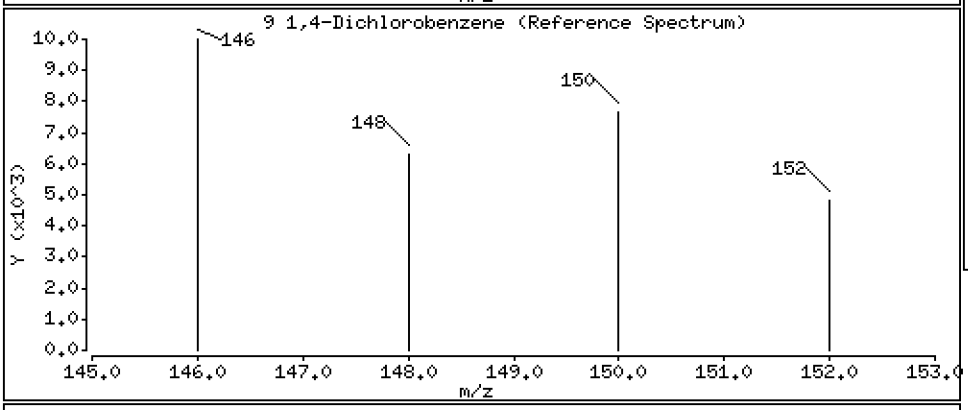
Concentration: 3.356 ug/mL

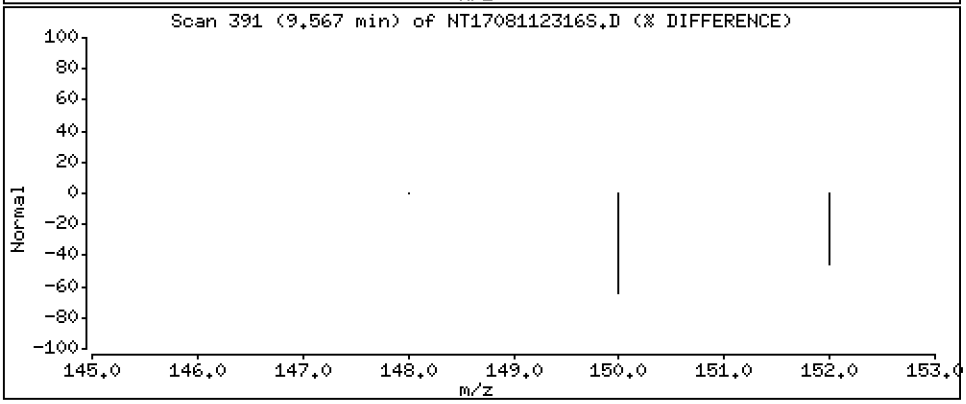












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Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

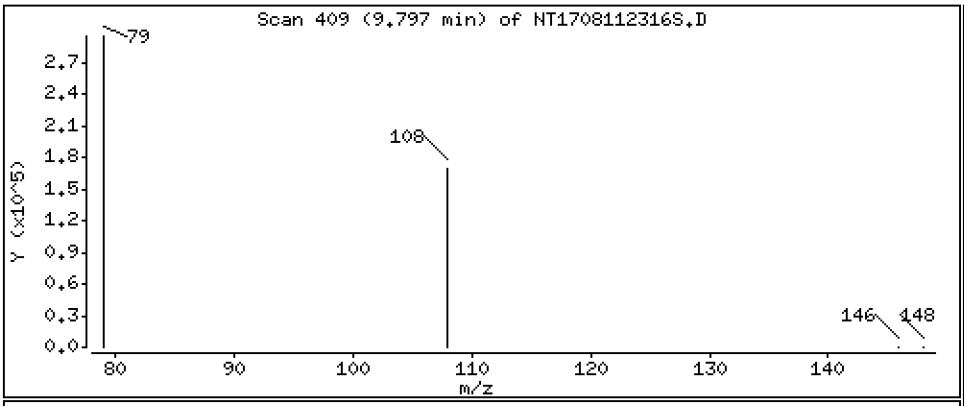
Operator: YZ

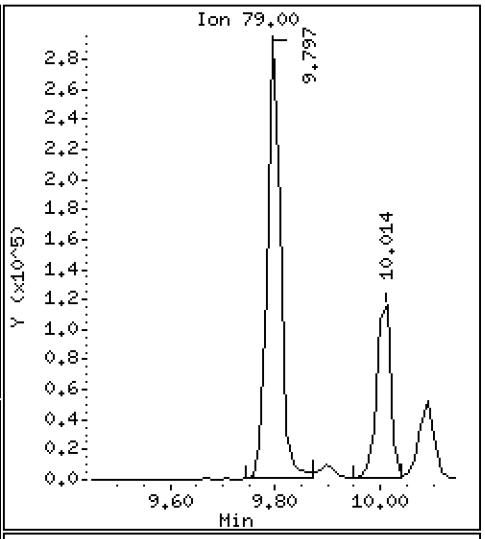
Column phase: ZB-5msi

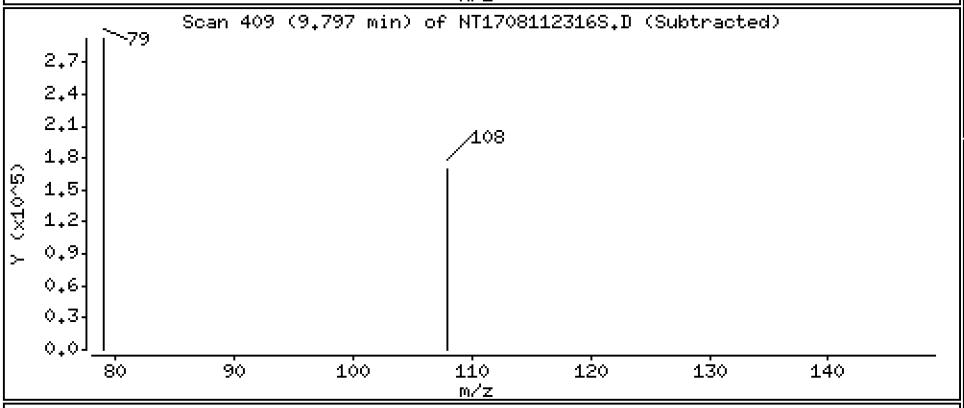
Column diameter: 0.25

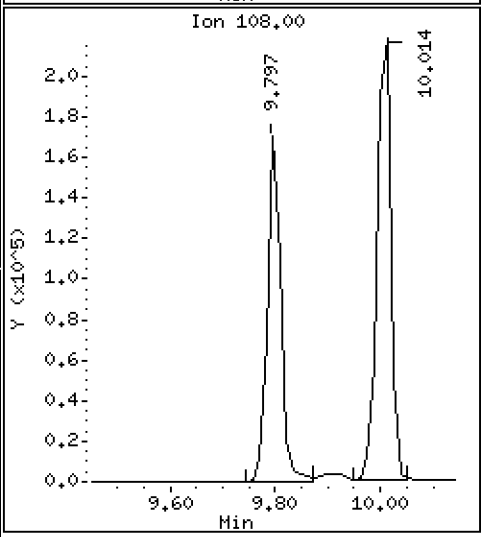
11 Benzyl alcohol

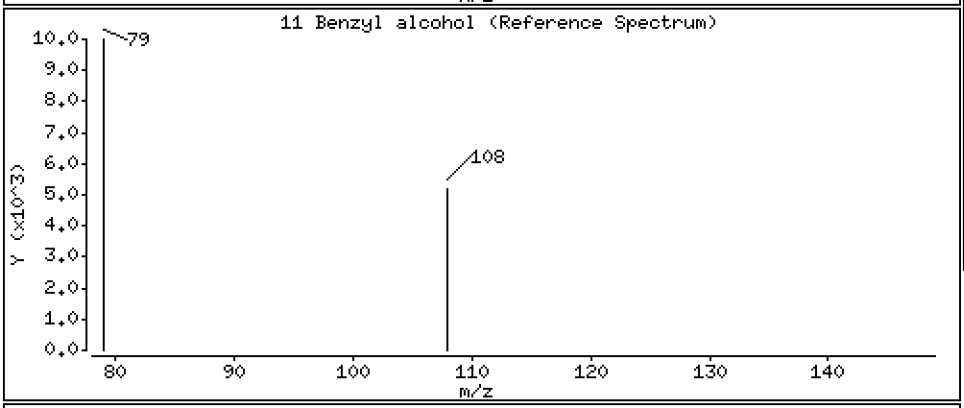
Concentration: 4.383 ug/mL

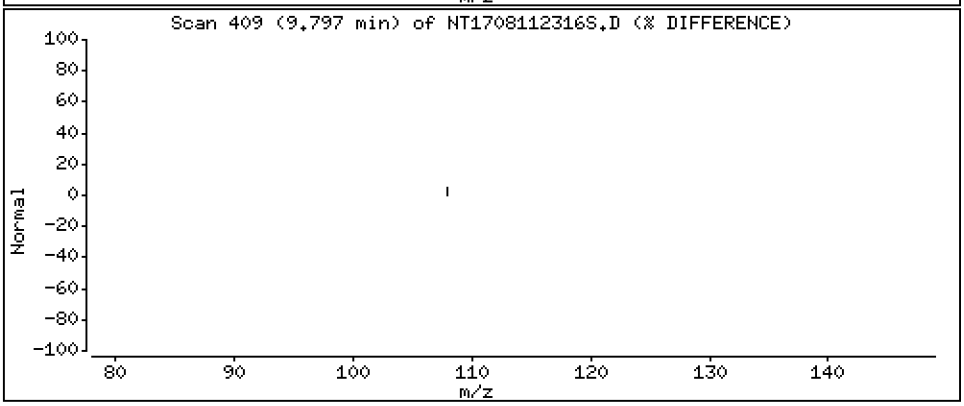












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Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

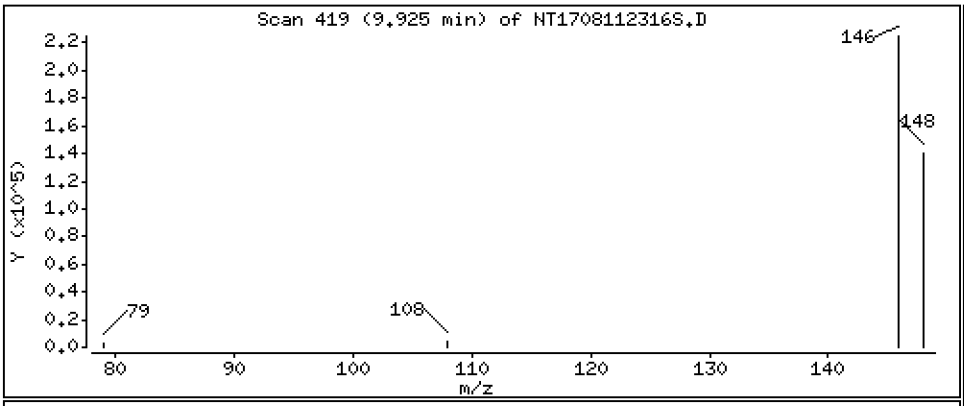
Operator: YZ

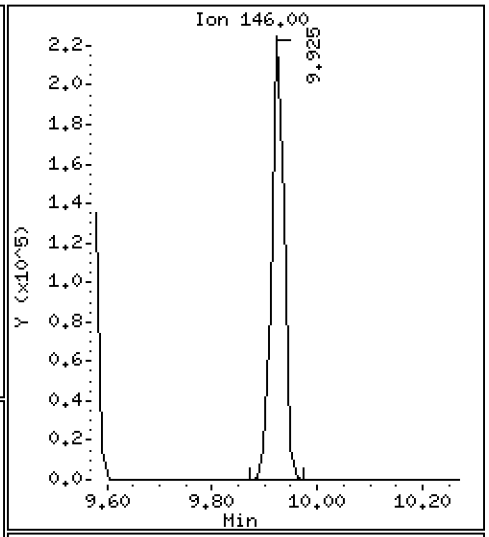
Column phase: ZB-5msi

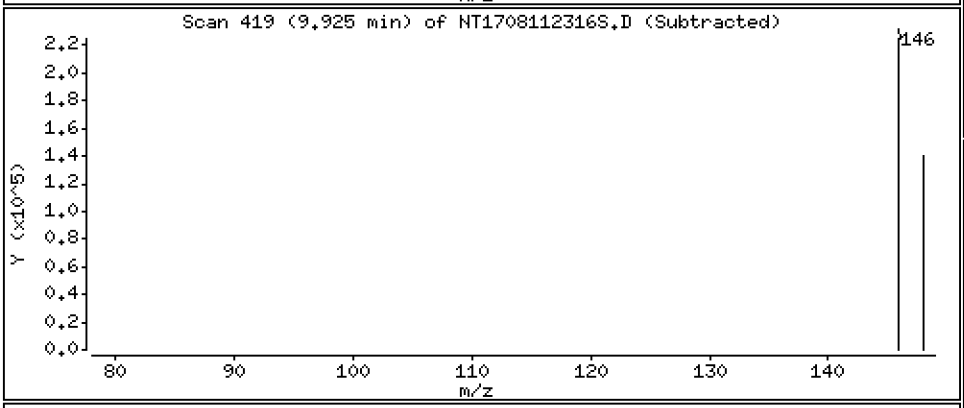
Column diameter: 0.25

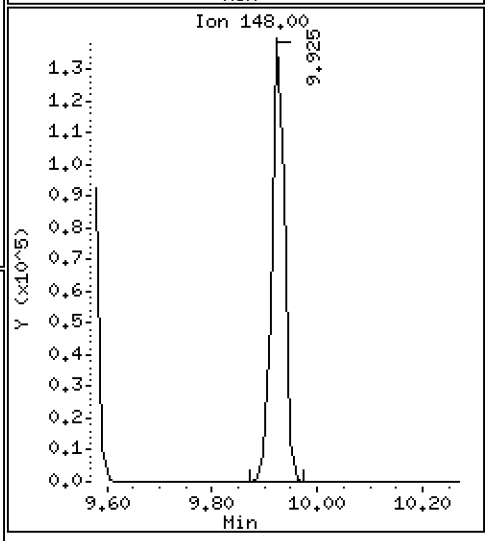
12 1,2-Dichlorobenzene

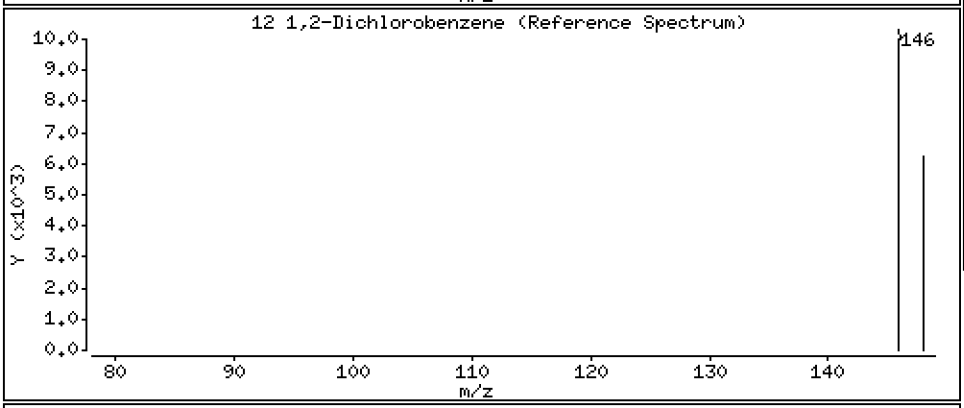
Concentration: 3.428 ug/mL

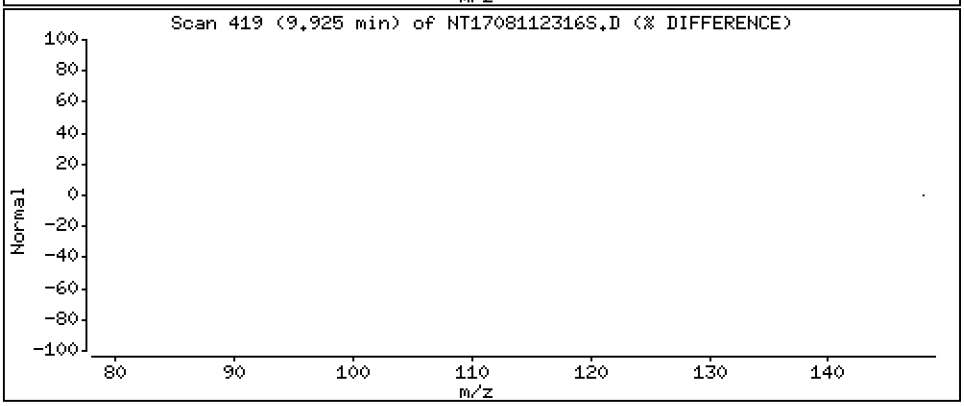












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Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

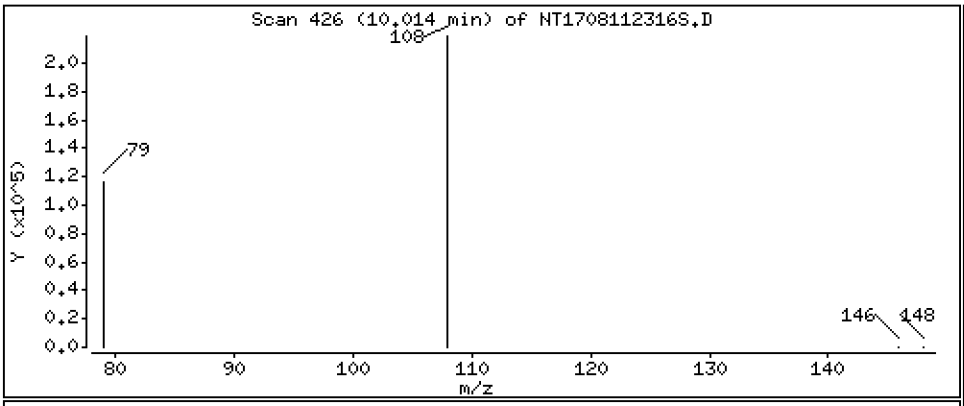
Operator: YZ

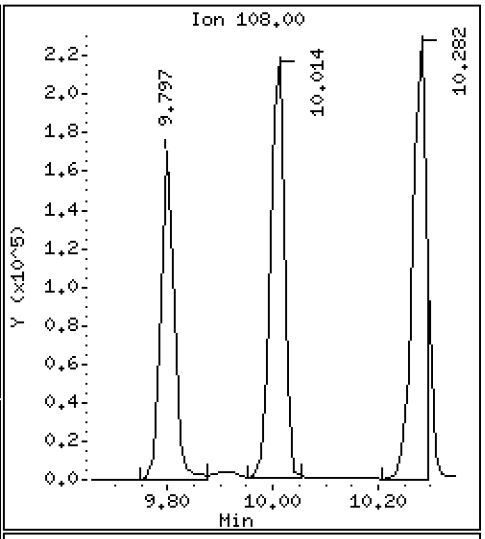
Column phase: ZB-5msi

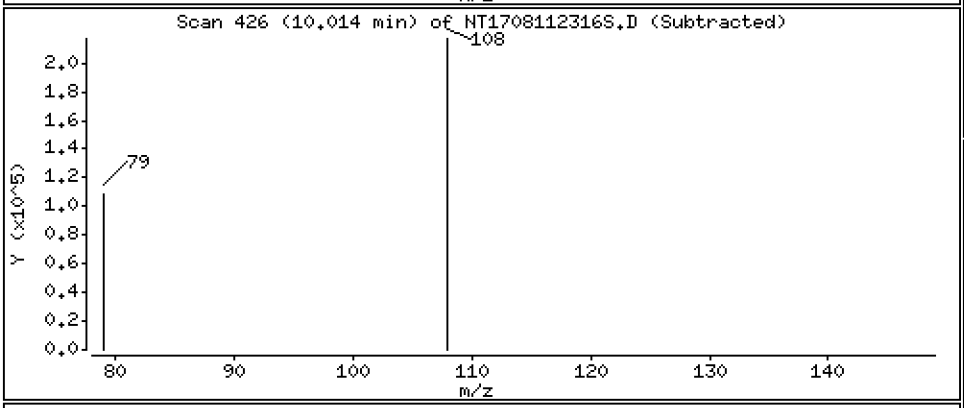
Column diameter: 0.25

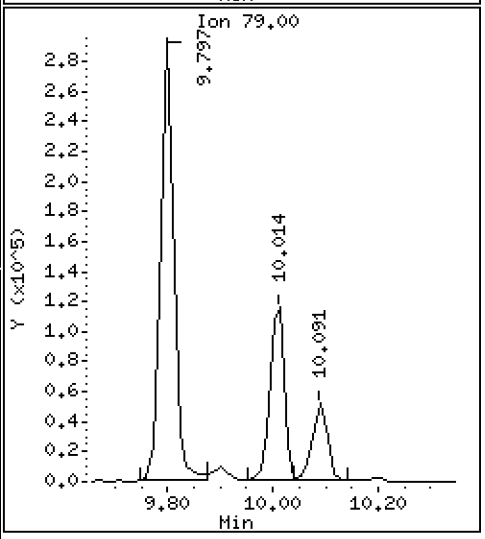
13 2-Methylphenol

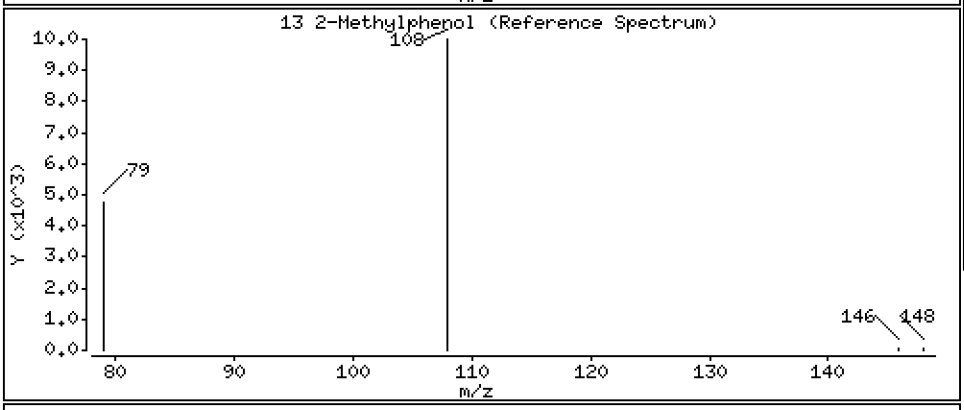
Concentration: 3.913 ug/mL

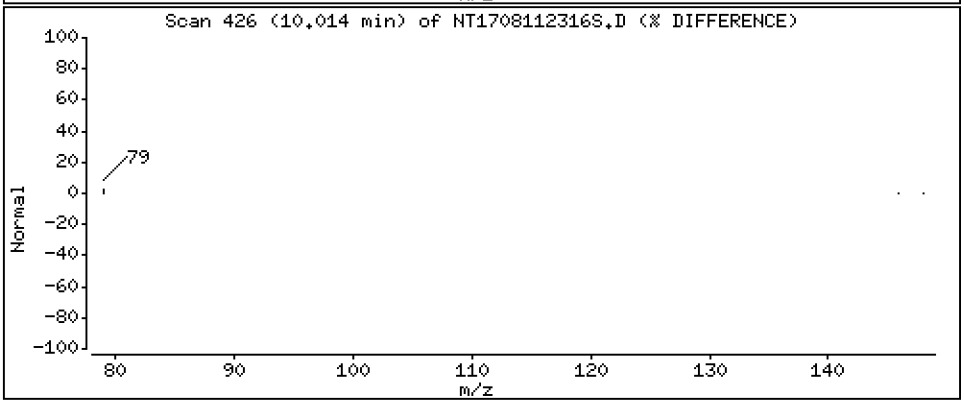












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Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

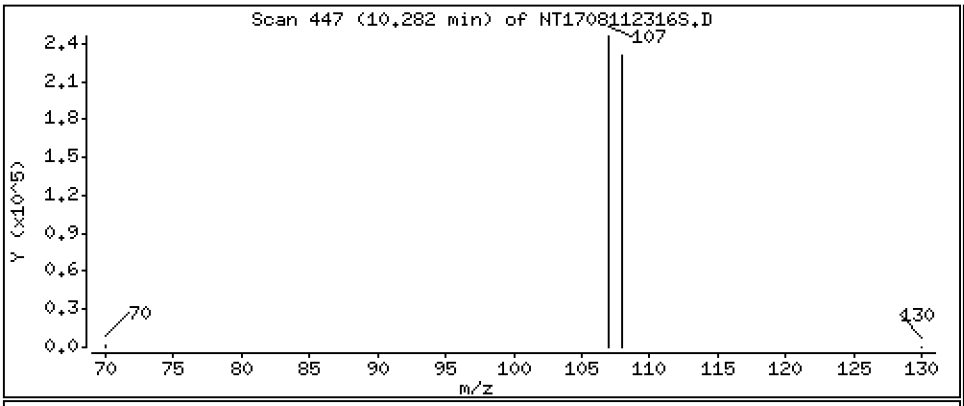
Operator: YZ

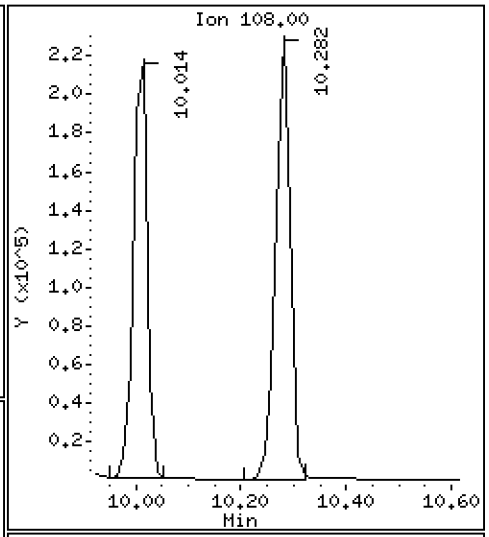
Column phase: ZB-5msi

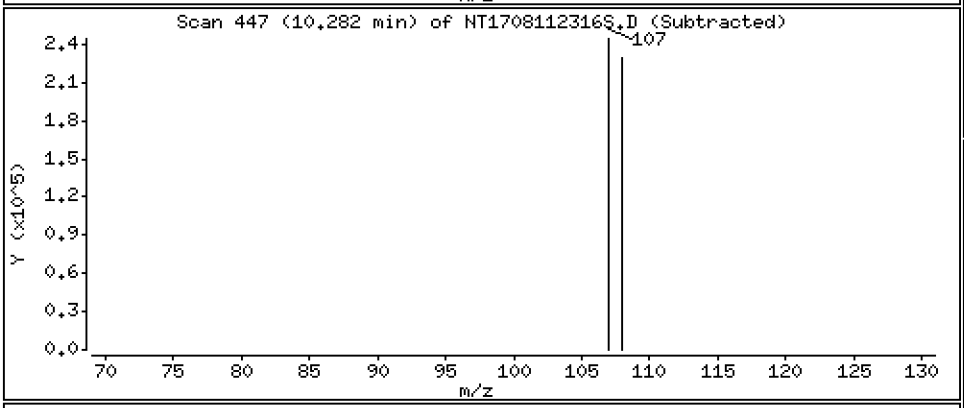
Column diameter: 0.25

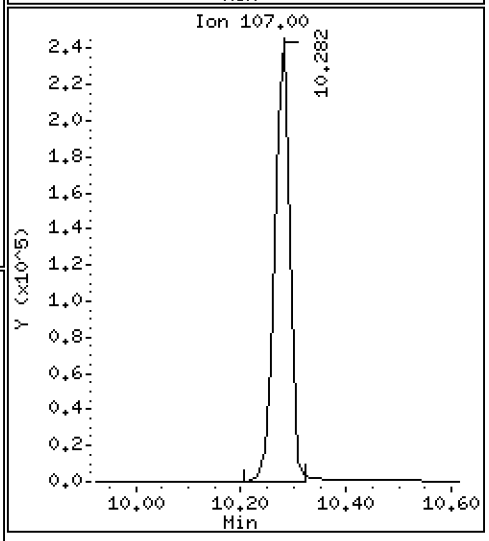
15 4-Methylphenol

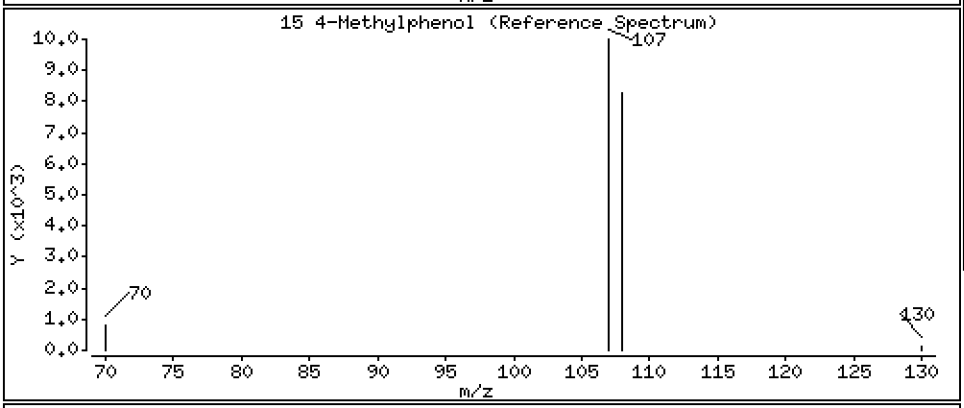
Concentration: 4.116 ug/mL

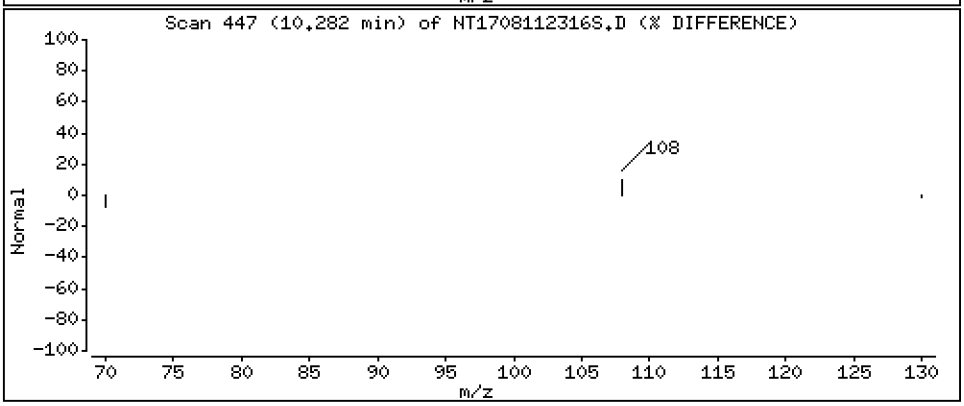












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Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

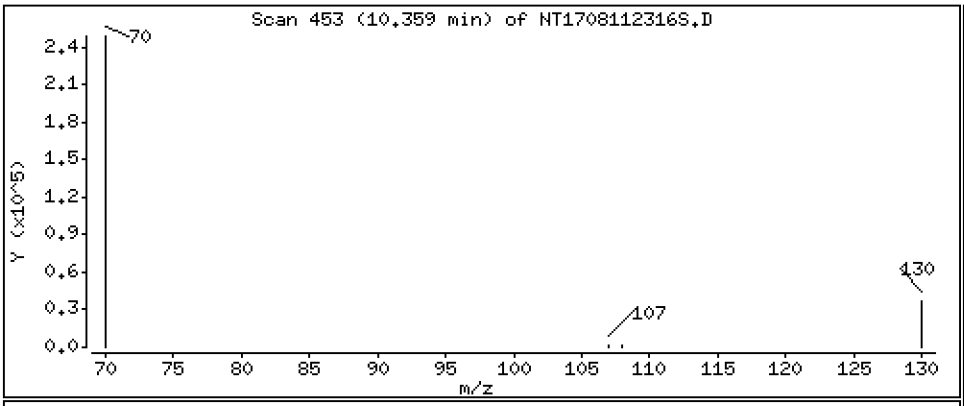
Operator: YZ

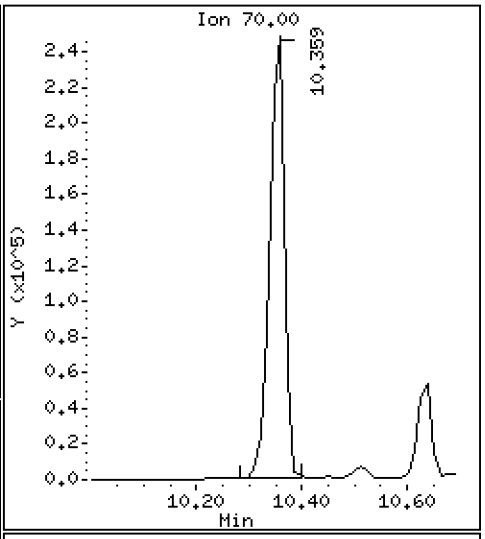
Column phase: ZB-5msi

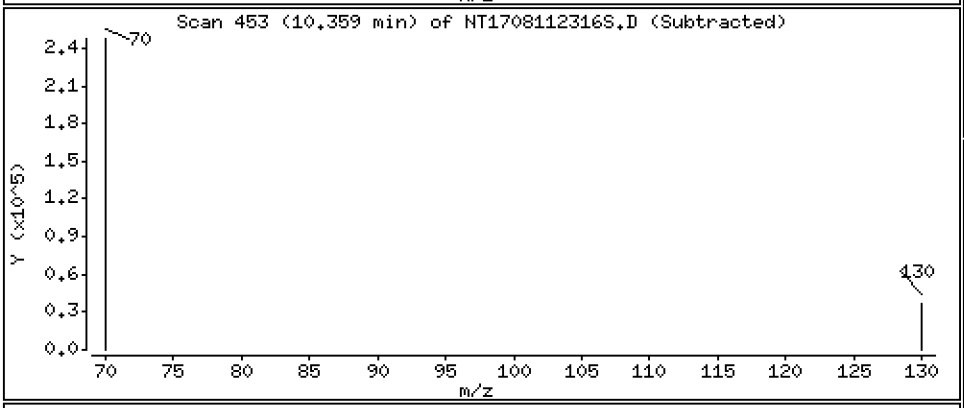
Column diameter: 0.25

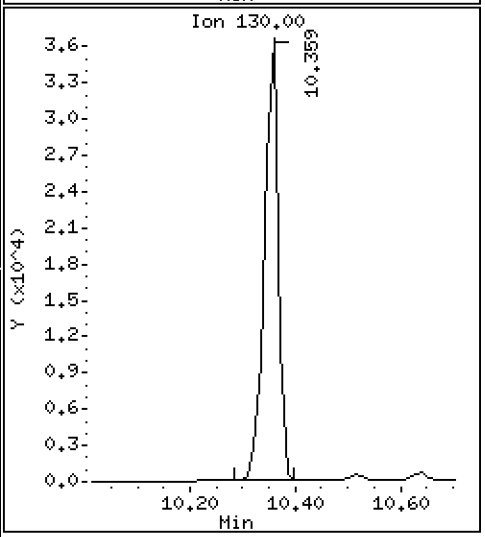
16 N-Nitroso-di-n-propylamine

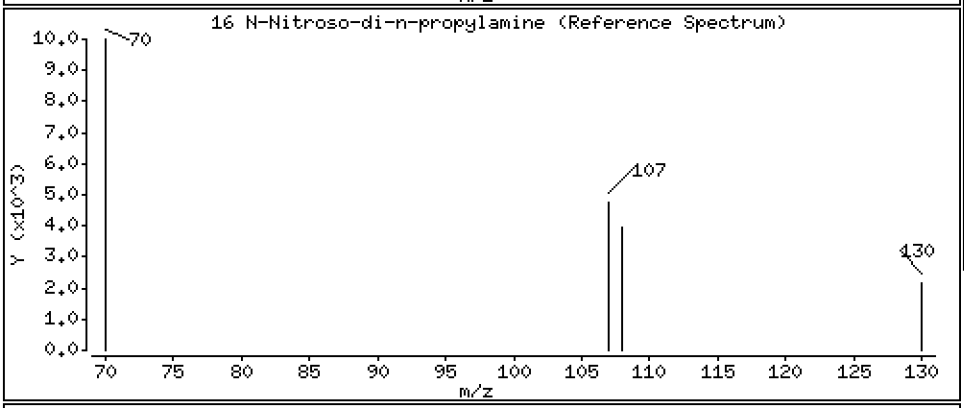
Concentration: 4.400 ug/mL

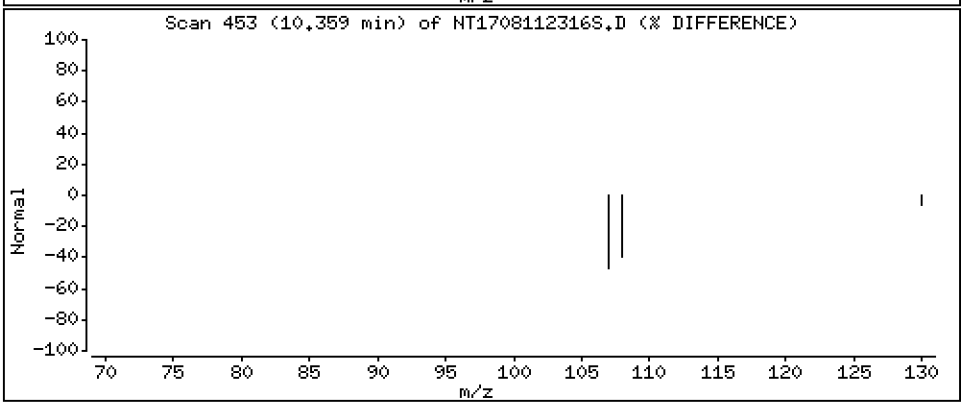












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Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

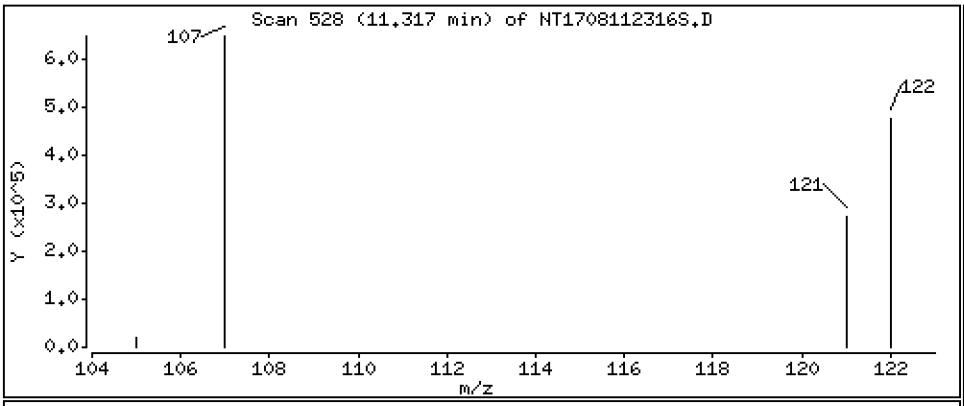
Operator: YZ

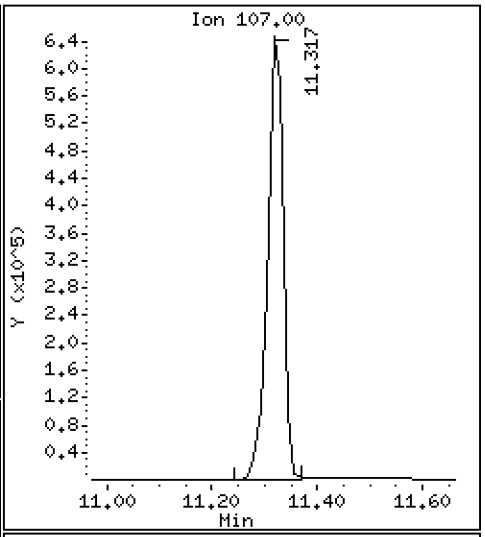
Column phase: ZB-5msi

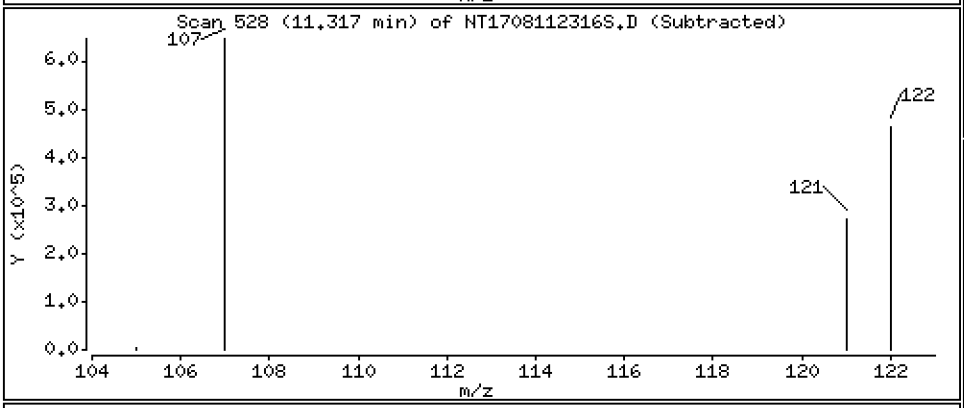
Column diameter: 0.25

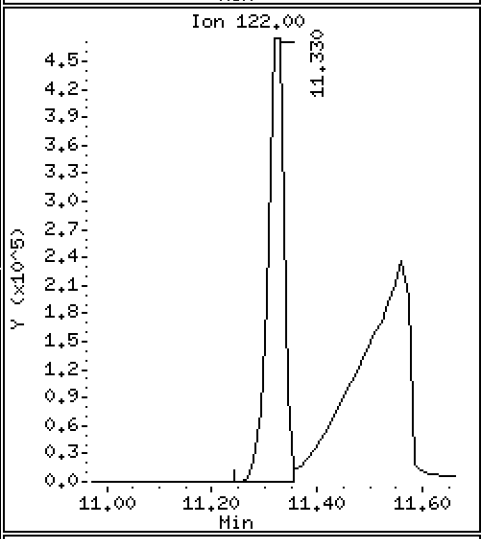
22 2,4-Dimethylphenol

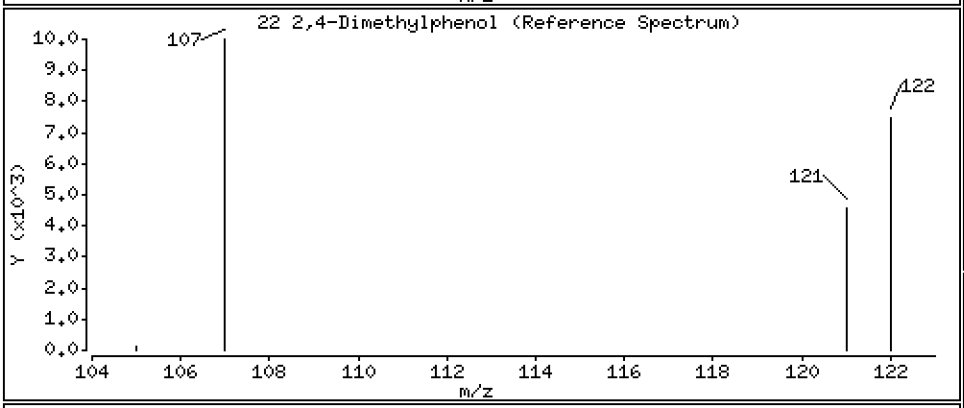
Concentration: 11.96 ug/mL

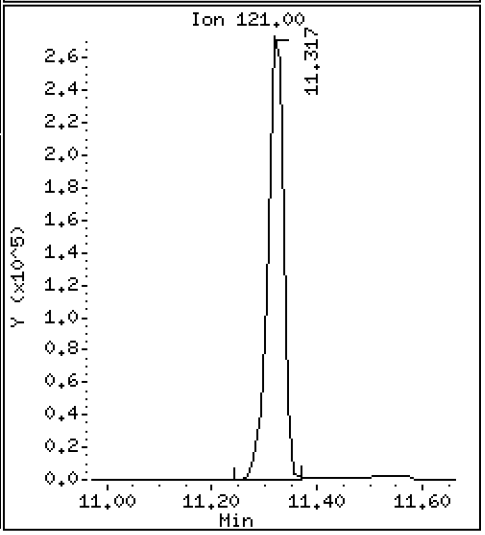


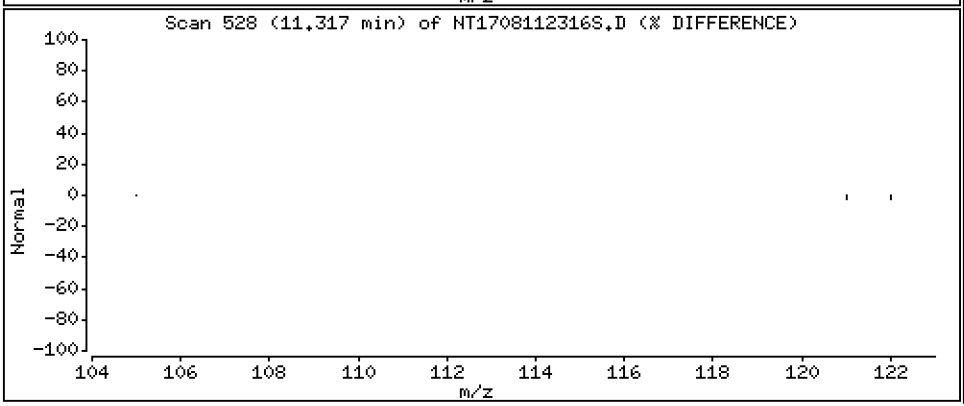












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Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

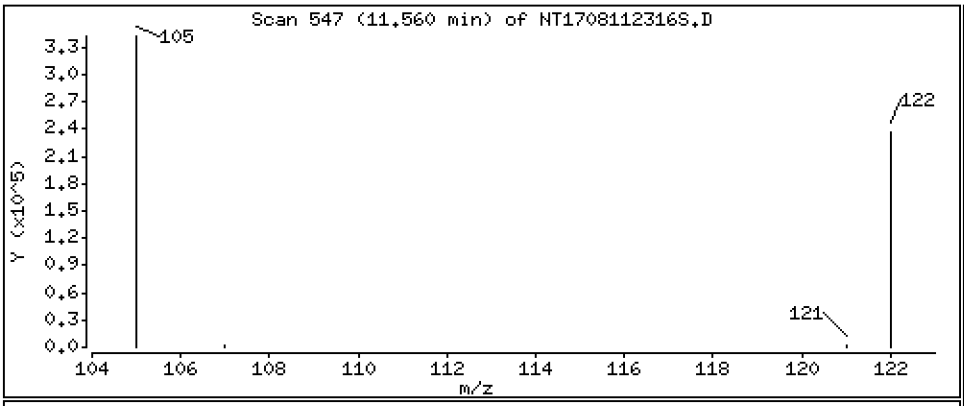
Operator: YZ

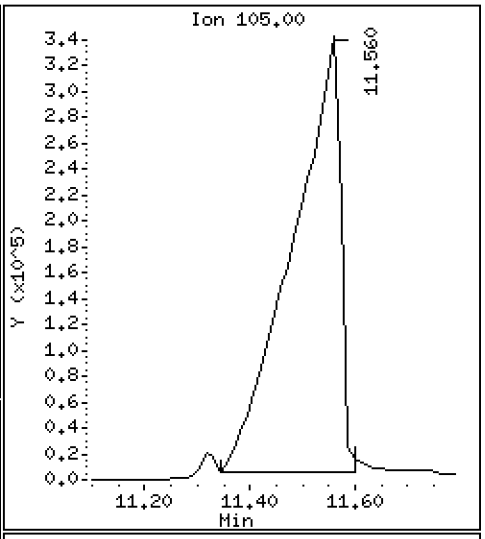
Column phase: ZB-5msi

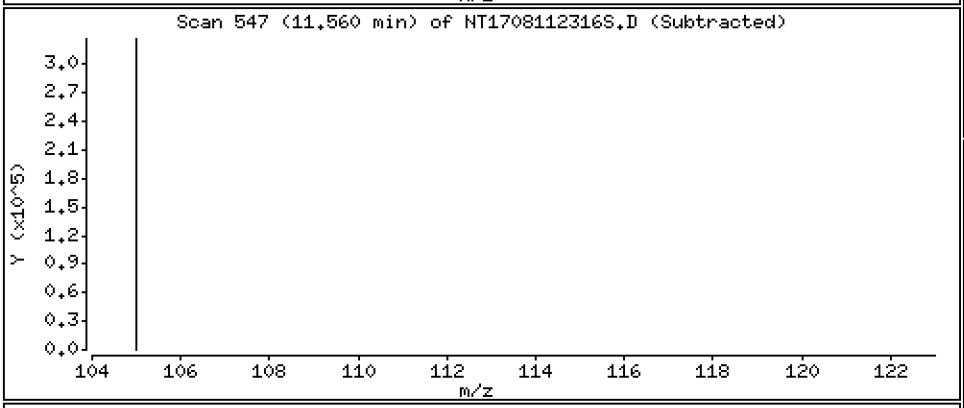
Column diameter: 0.25

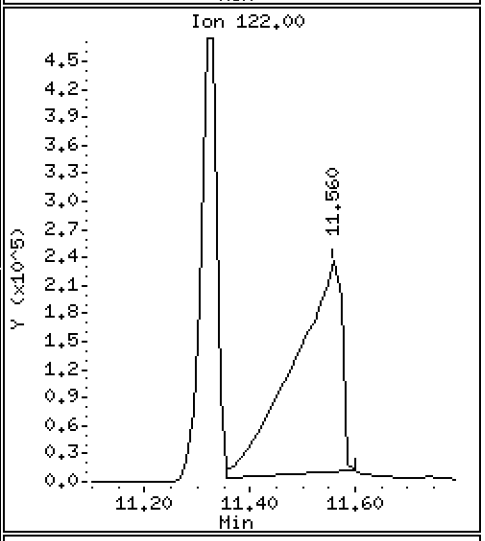
24 Benzoic acid

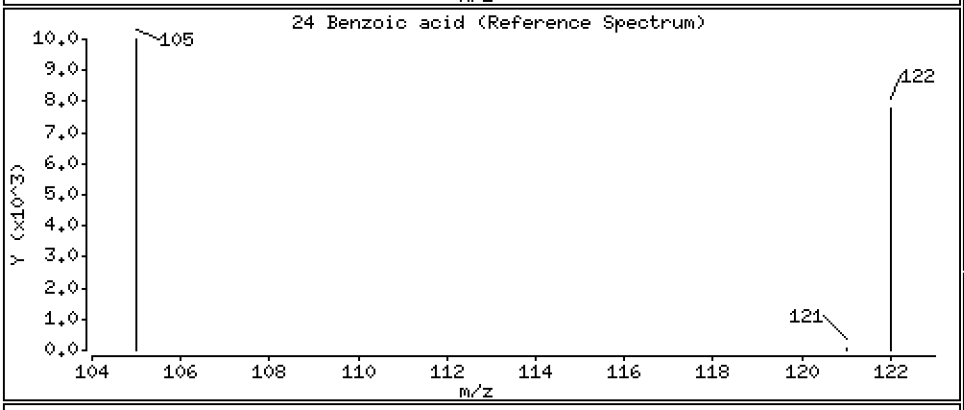
Concentration: 25.42 ug/mL

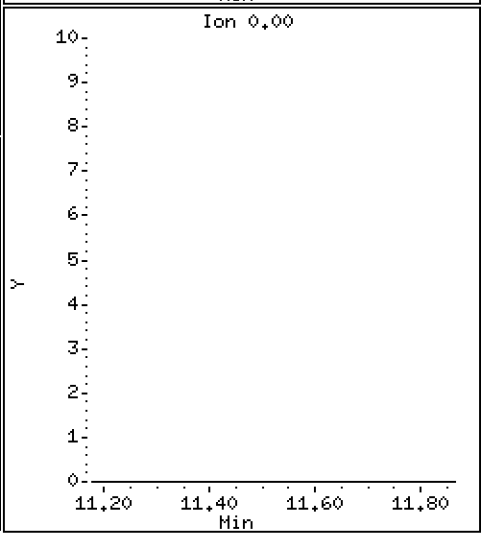


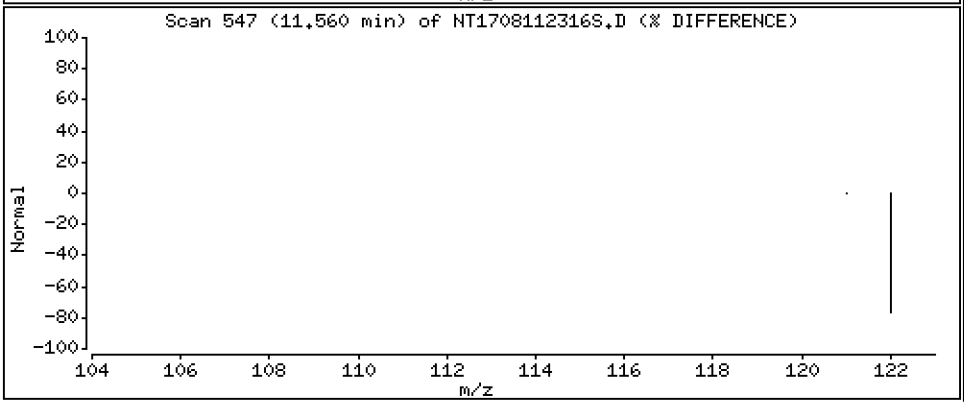












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Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

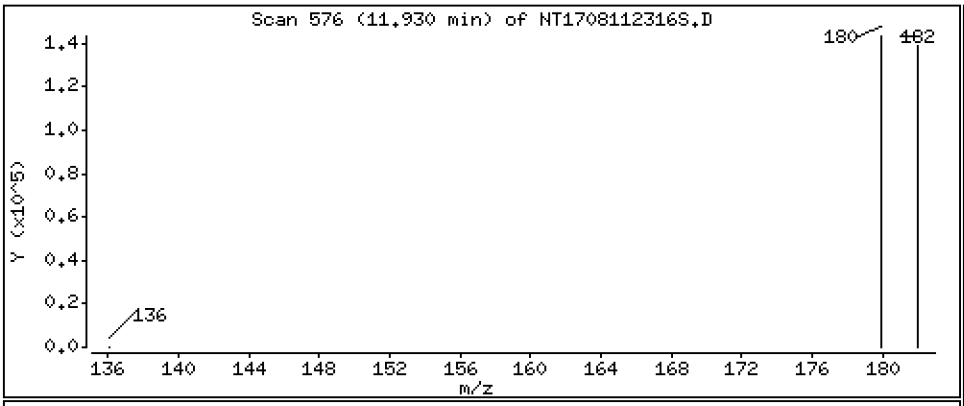
Operator: YZ

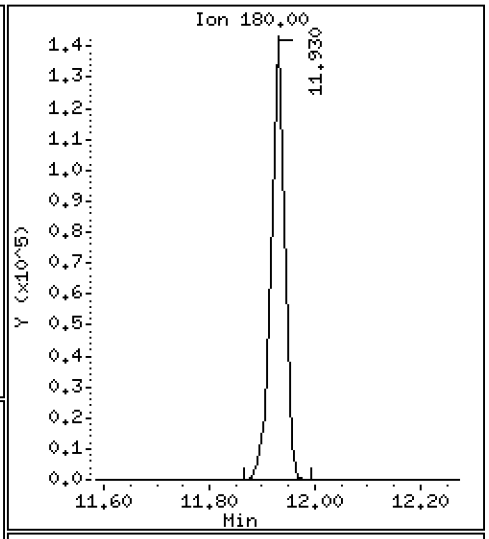
Column phase: ZB-5msi

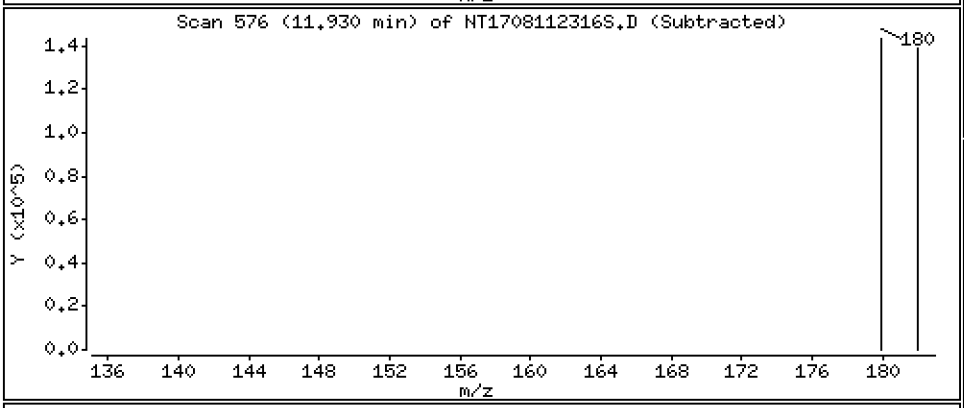
Column diameter: 0.25

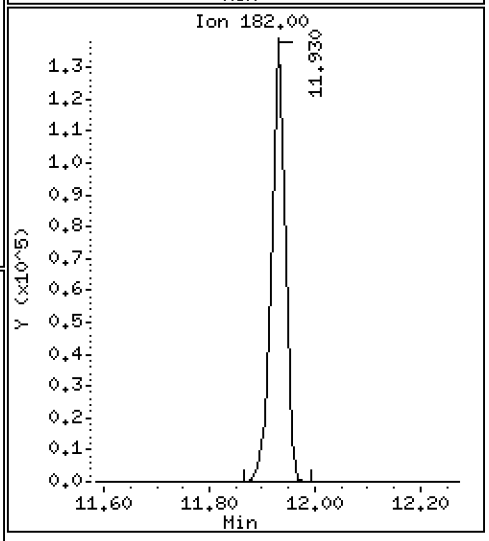
26 1,2,4-Trichlorobenzene

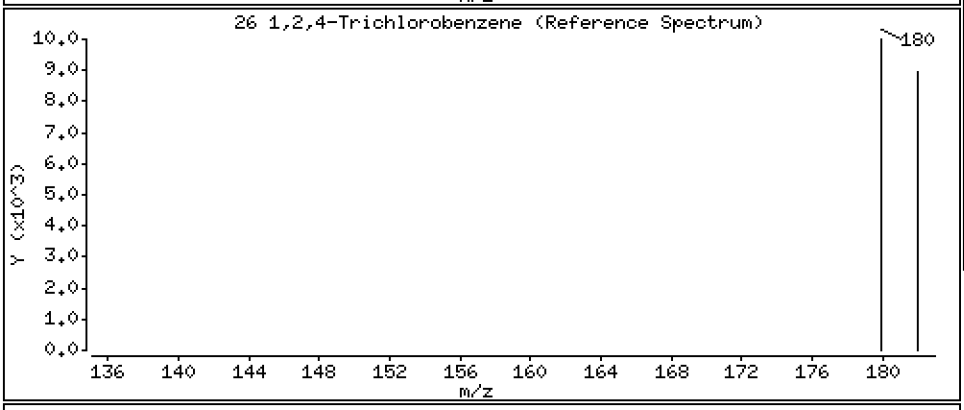
Concentration: 3.337 ug/mL

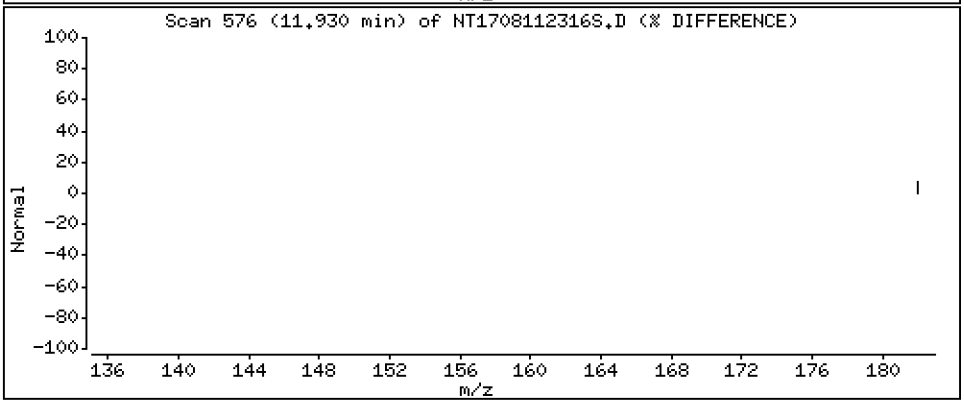












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Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

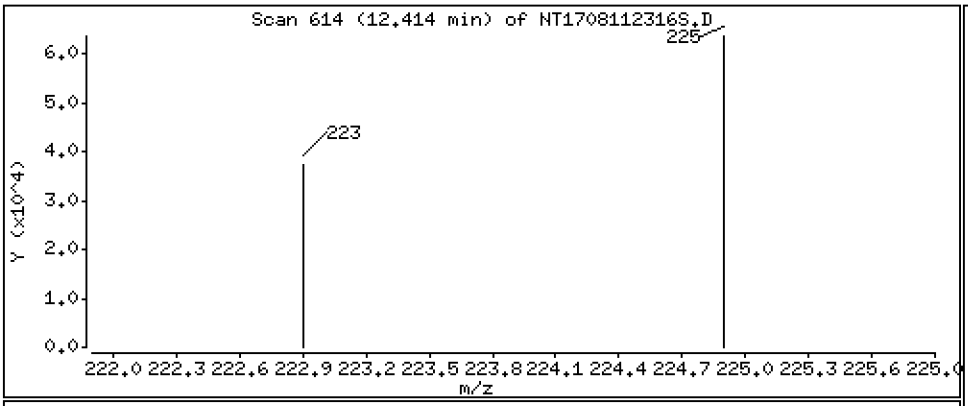
Operator: YZ

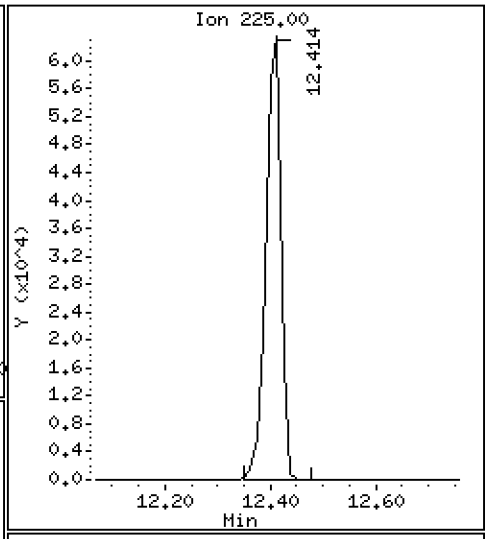
Column phase: ZB-5msi

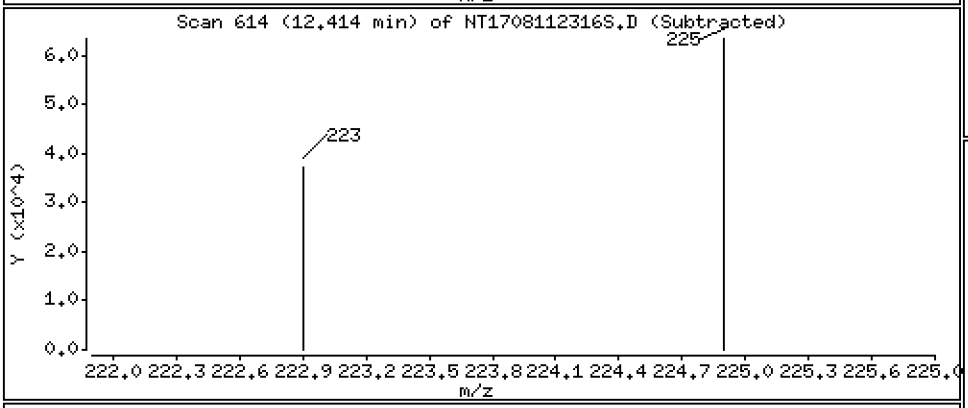
Column diameter: 0.25

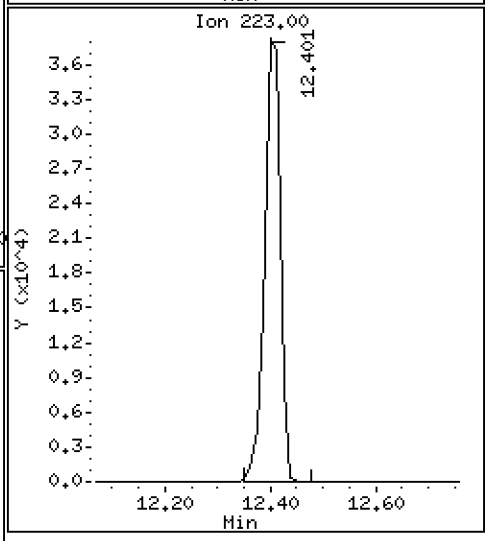
30 Hexachlorobutadiene

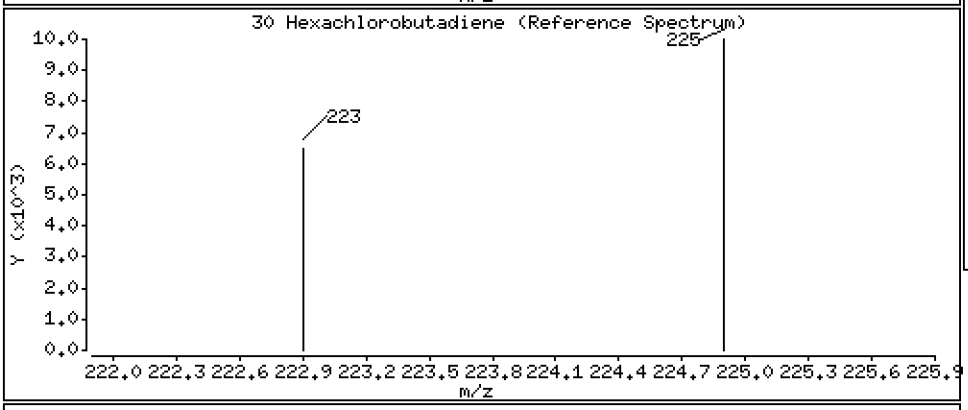
Concentration: 3.528 ug/mL

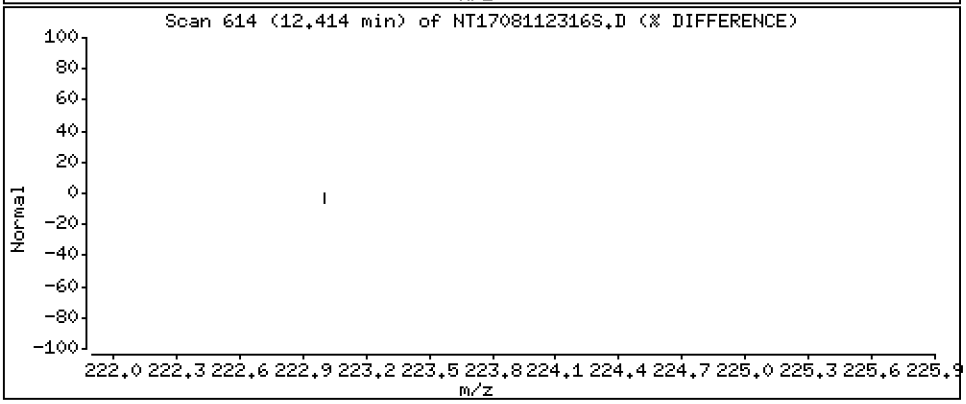












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Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

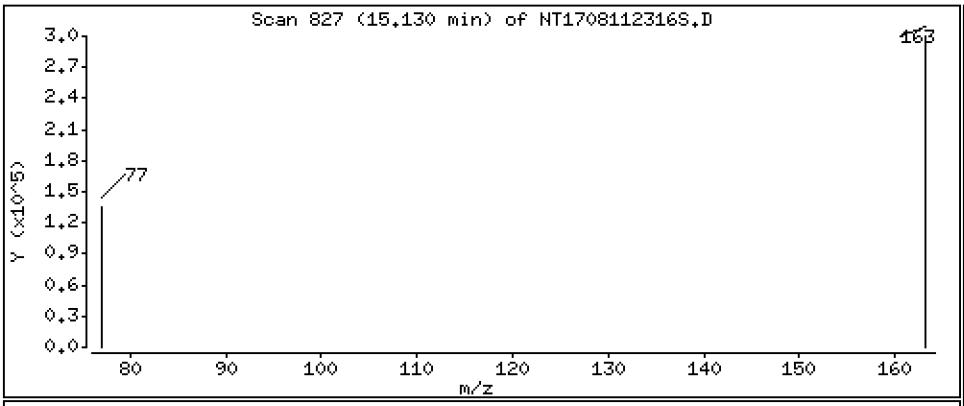
Operator: YZ

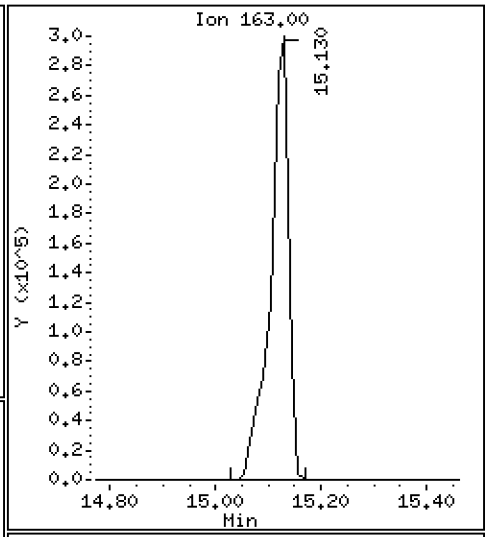
Column phase: ZB-5msi

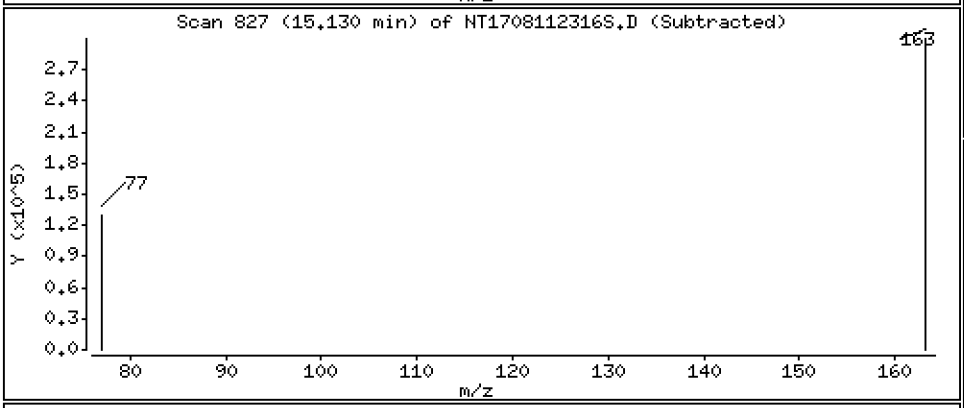
Column diameter: 0.25

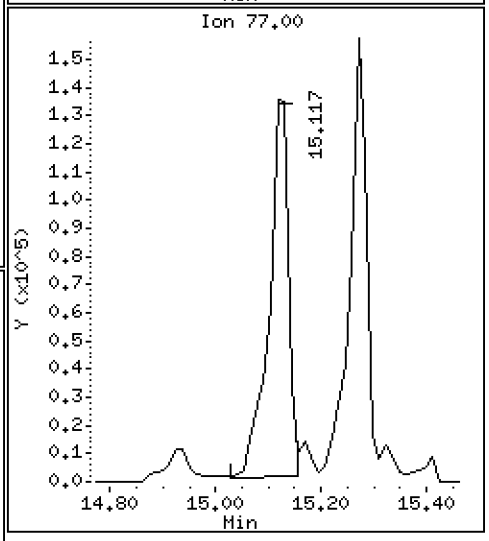
39 Dimethylphthalate

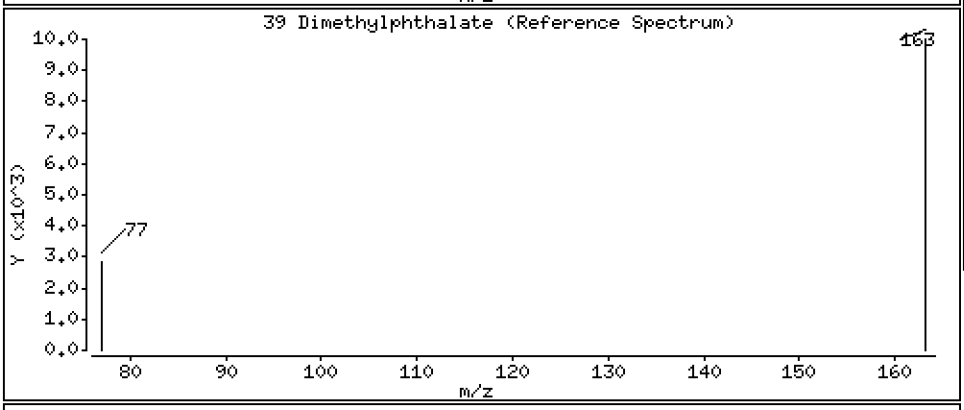
Concentration: 4.366 ug/mL

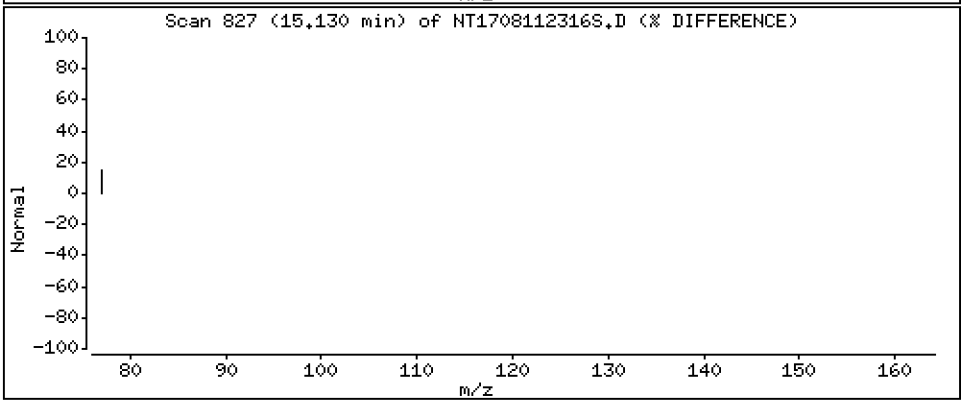












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Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

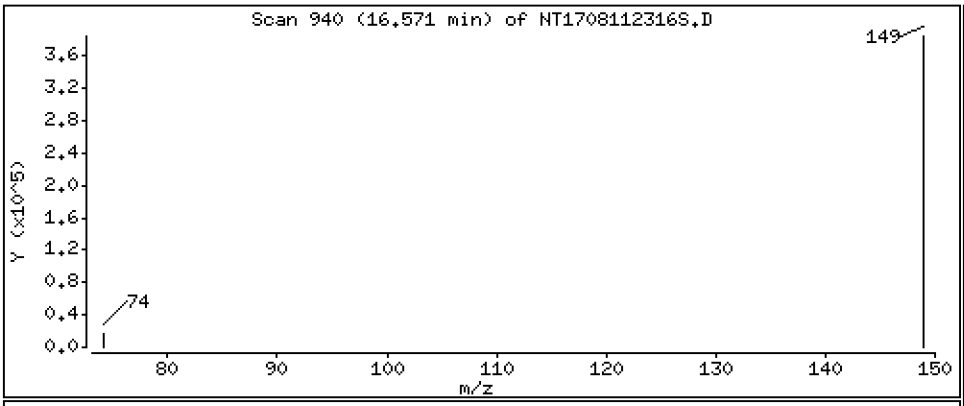
Operator: YZ

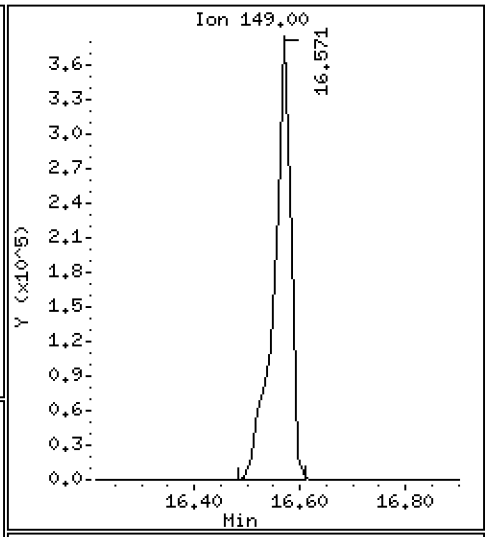
Column phase: ZB-5msi

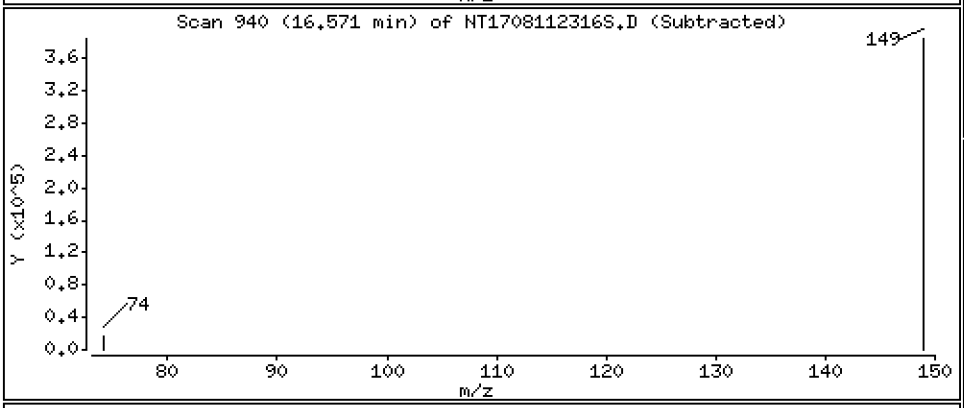
Column diameter: 0.25

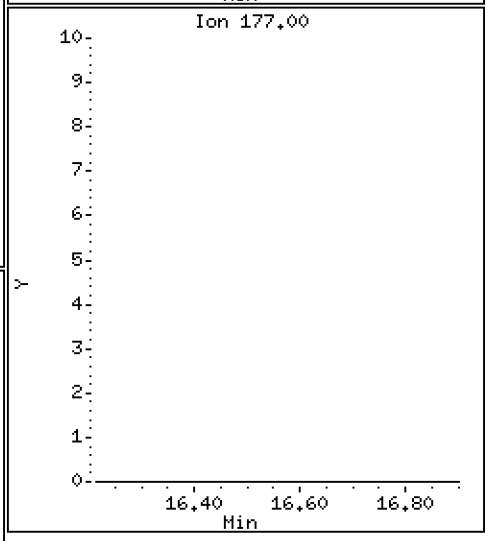
50 Diethylphthalate

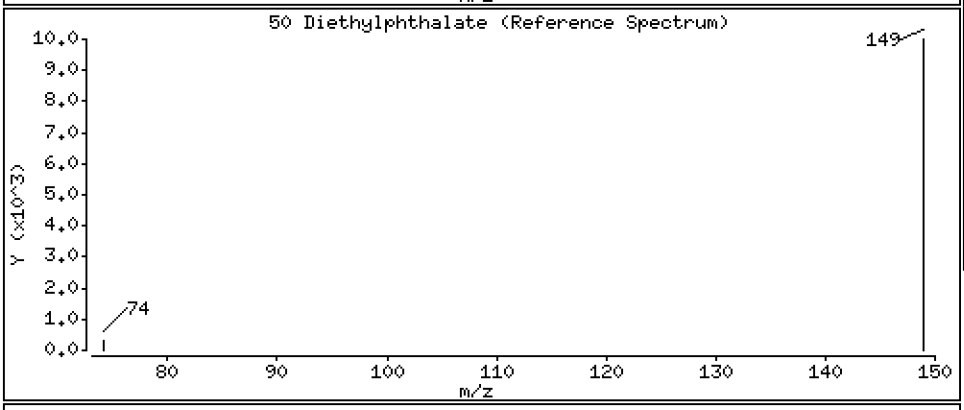
Concentration: 5.058 ug/mL

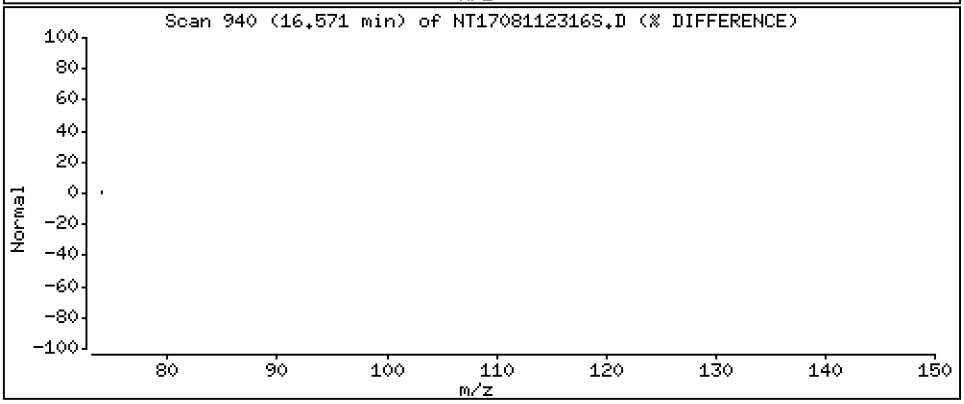












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Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

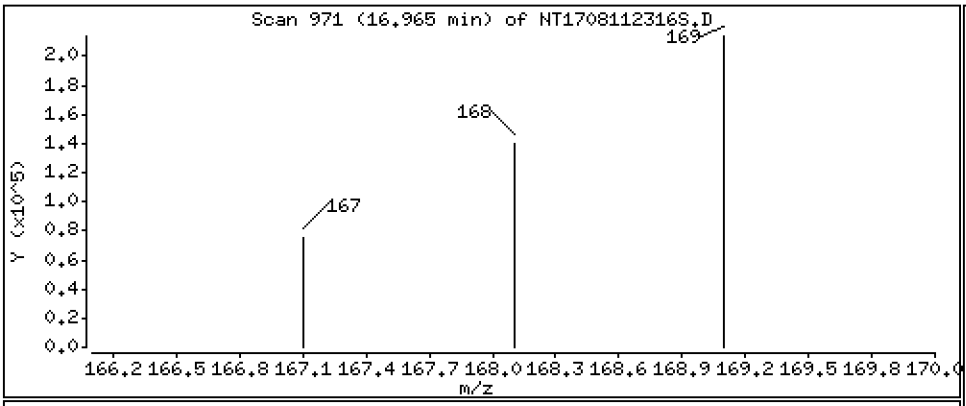
Operator: YZ

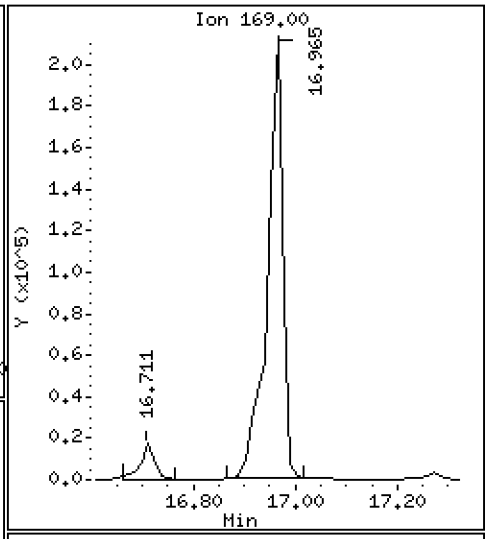
Column phase: ZB-5msi

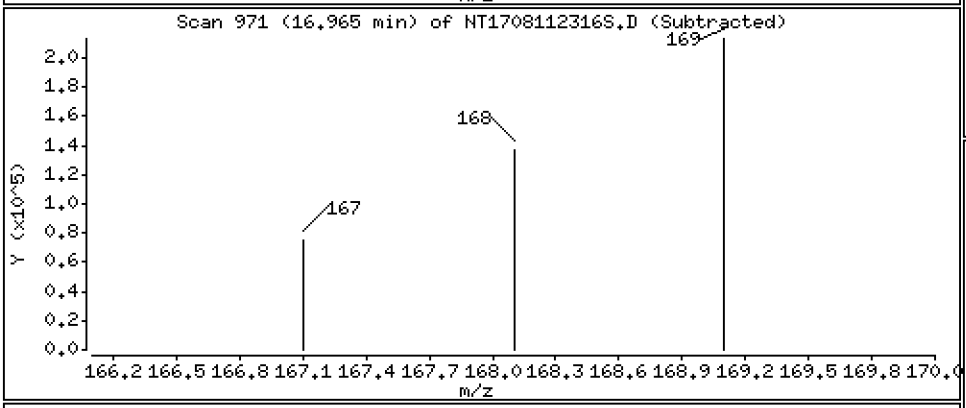
Column diameter: 0.25

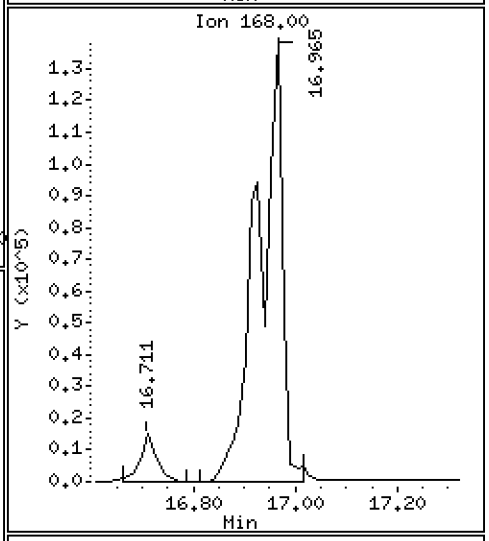
54 N-Nitrosodiphenylamine

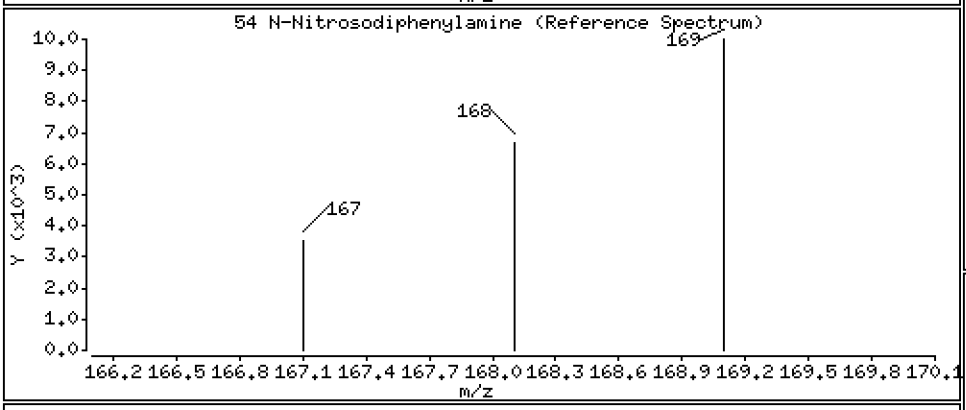
Concentration: 3.834 ug/mL

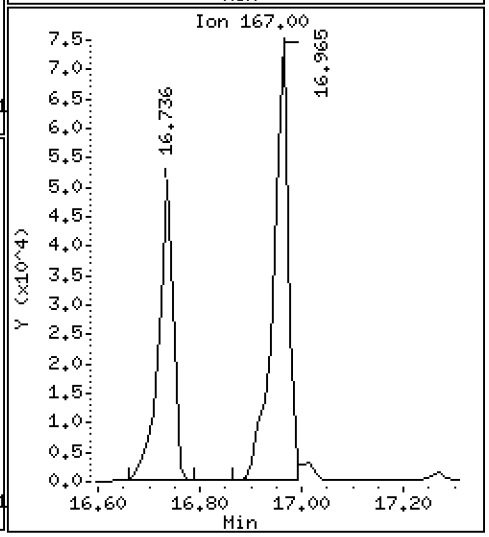


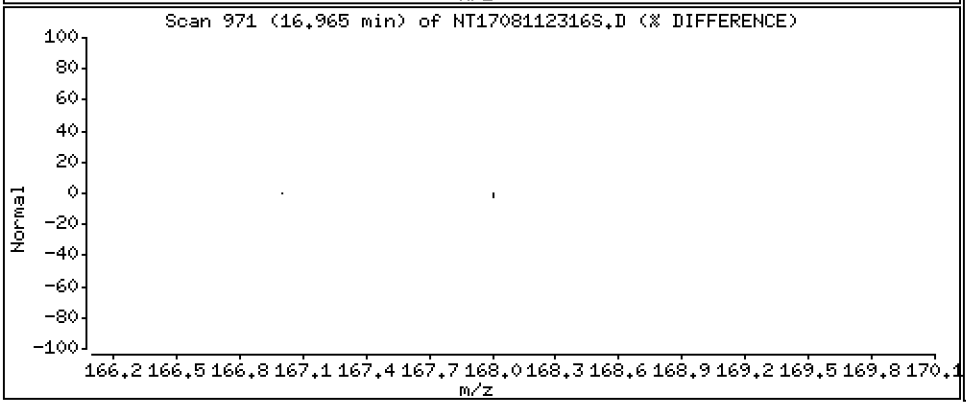












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Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

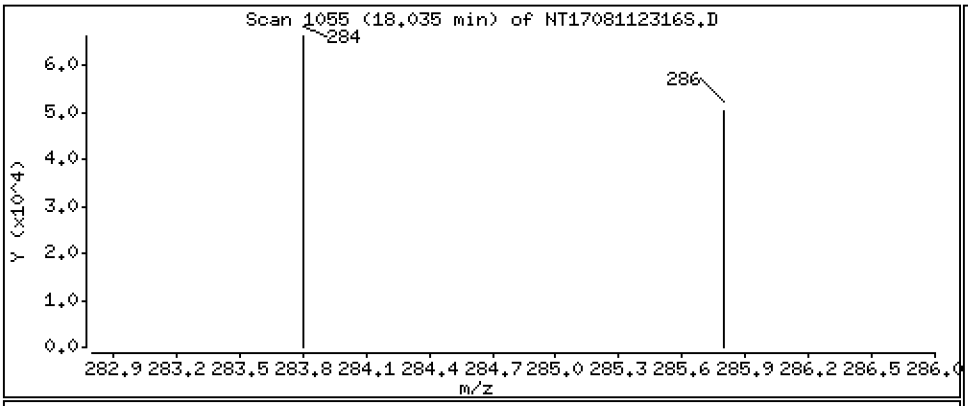
Operator: YZ

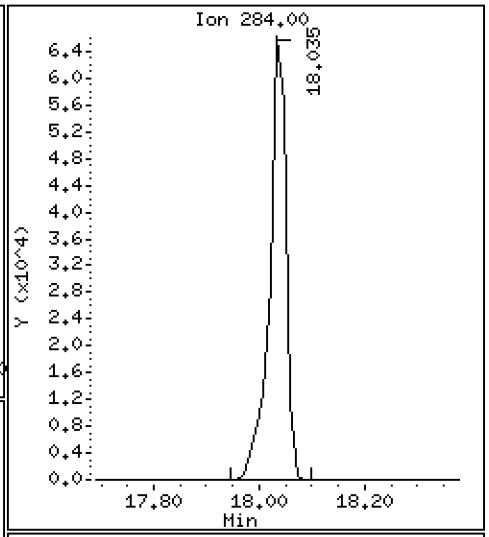
Column phase: ZB-5msi

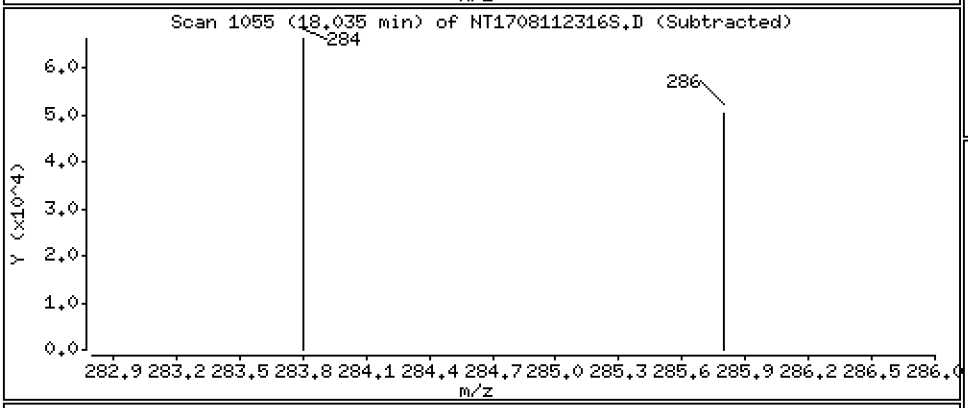
Column diameter: 0.25

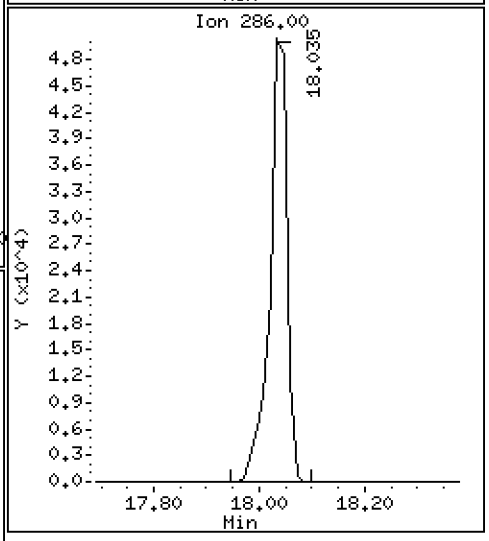
57 Hexachlorobenzene

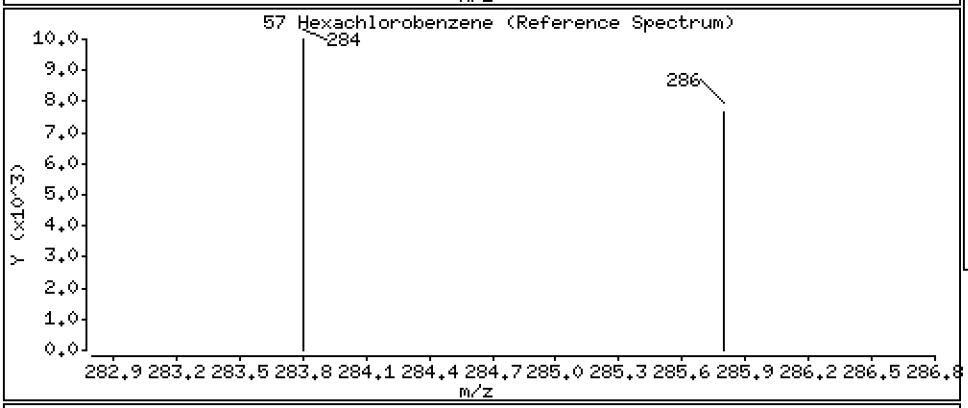
Concentration: 3.823 ug/mL

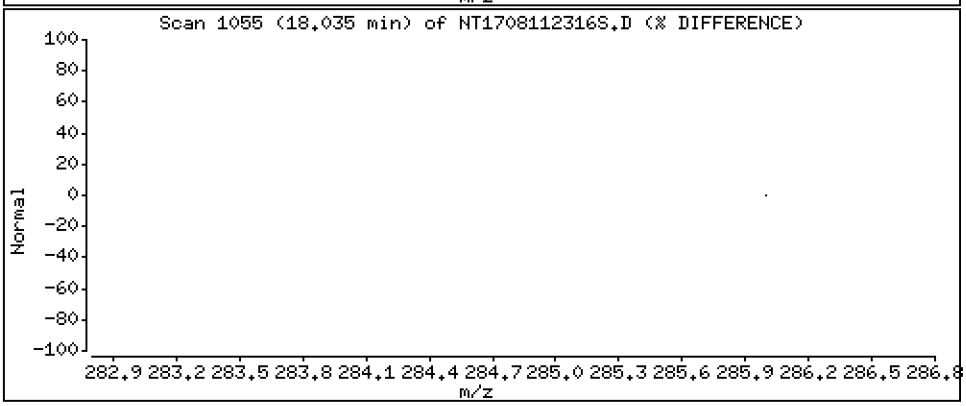












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Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

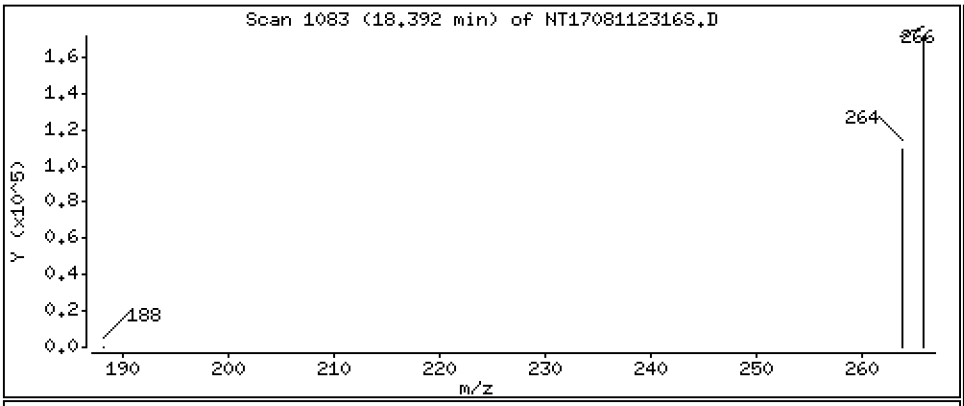
Operator: YZ

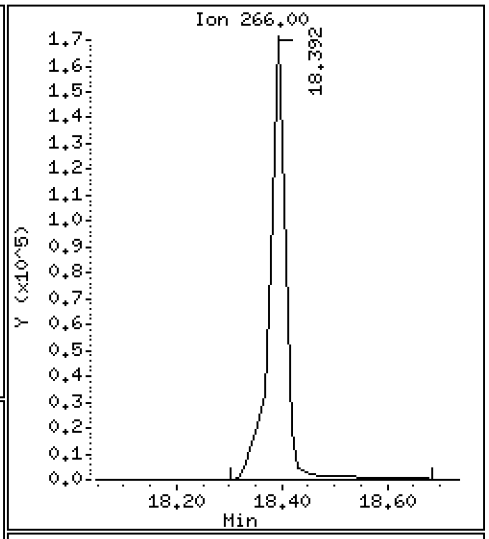
Column phase: ZB-5msi

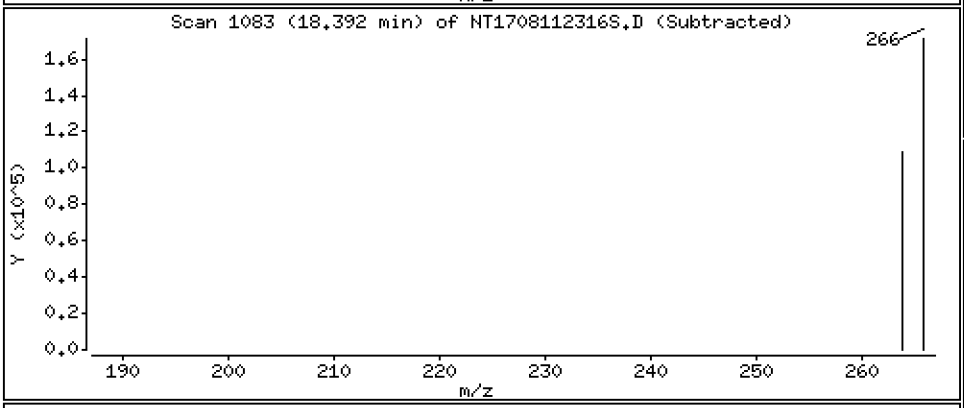
Column diameter: 0.25

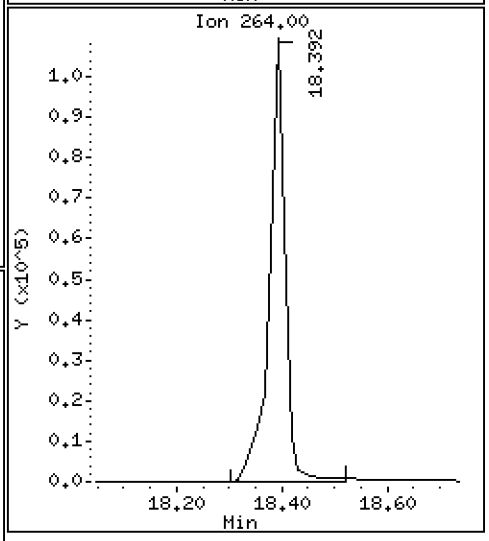
58 Pentachlorophenol

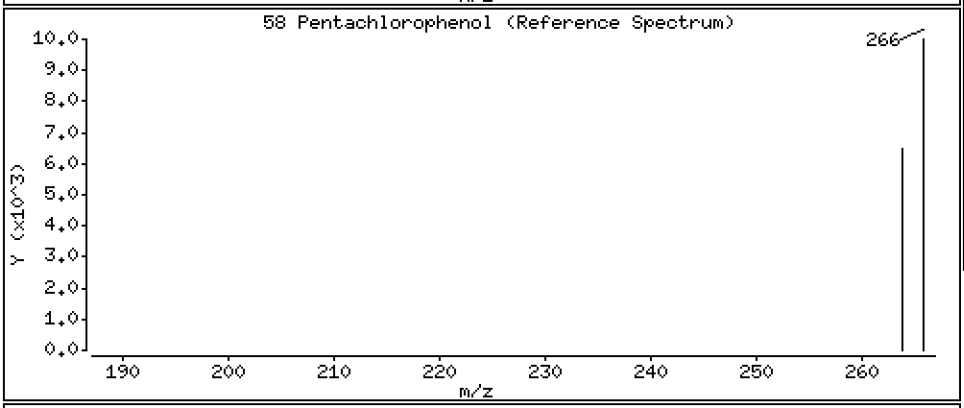
Concentration: 14.20 ug/mL

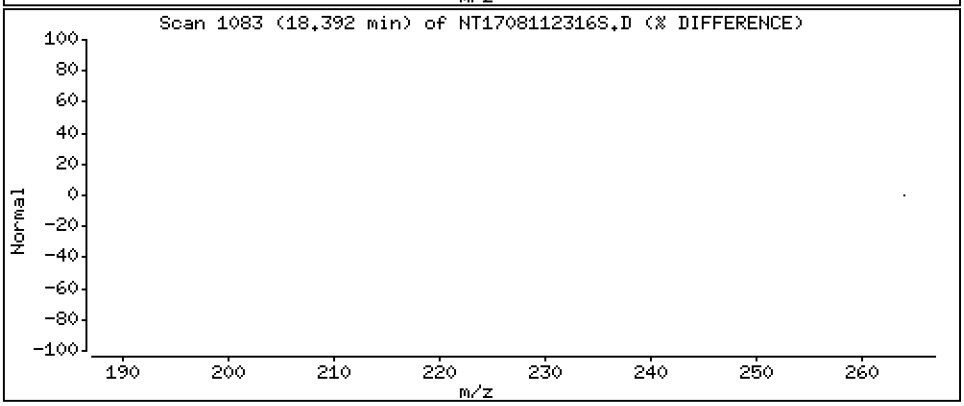












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Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

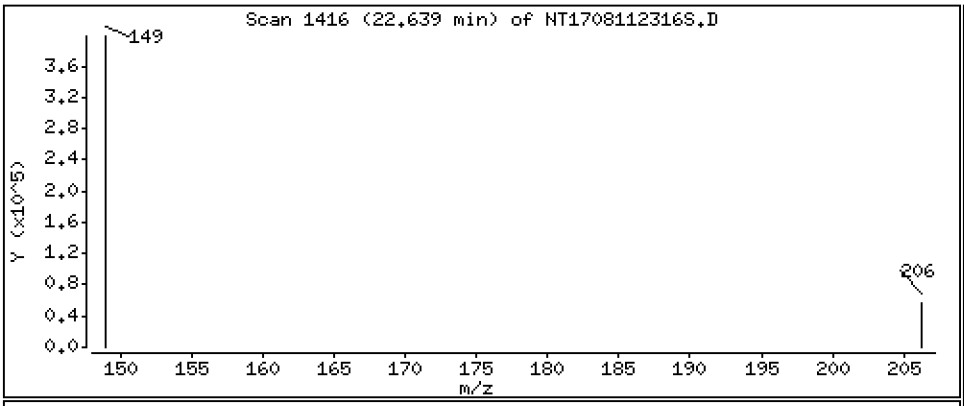
Operator: YZ

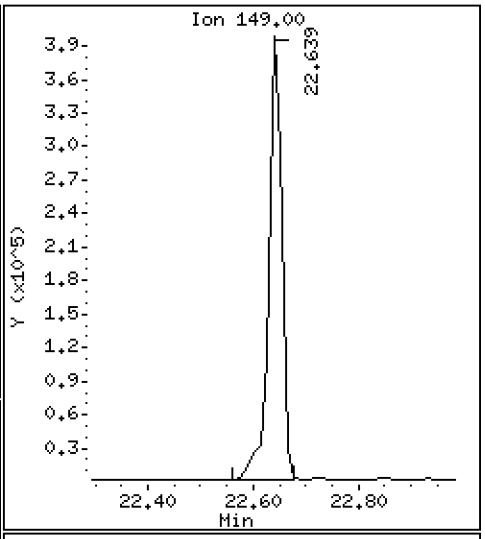
Column phase: ZB-5msi

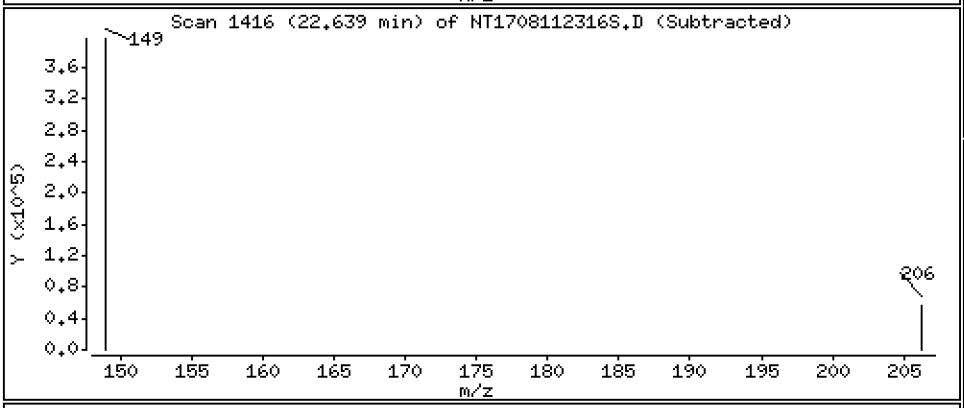
Column diameter: 0.25

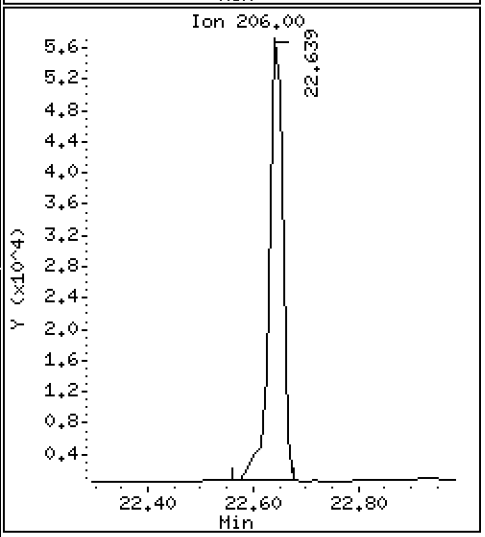
67 Butylbenzylphthalate

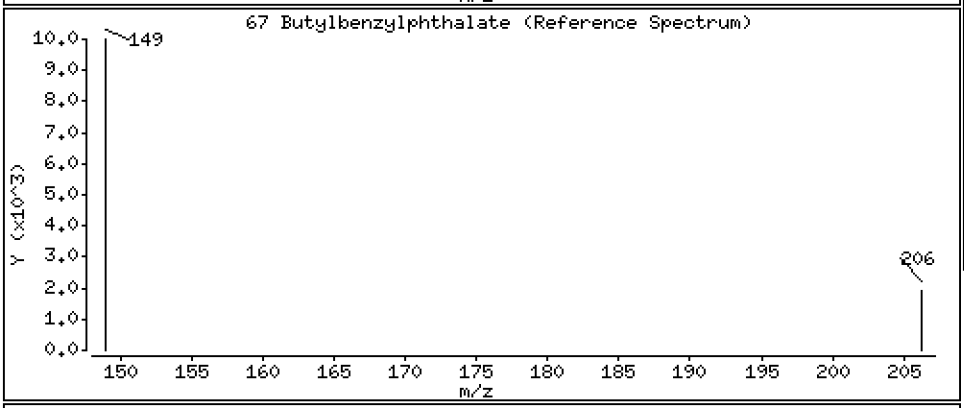
Concentration: 4.659 ug/mL

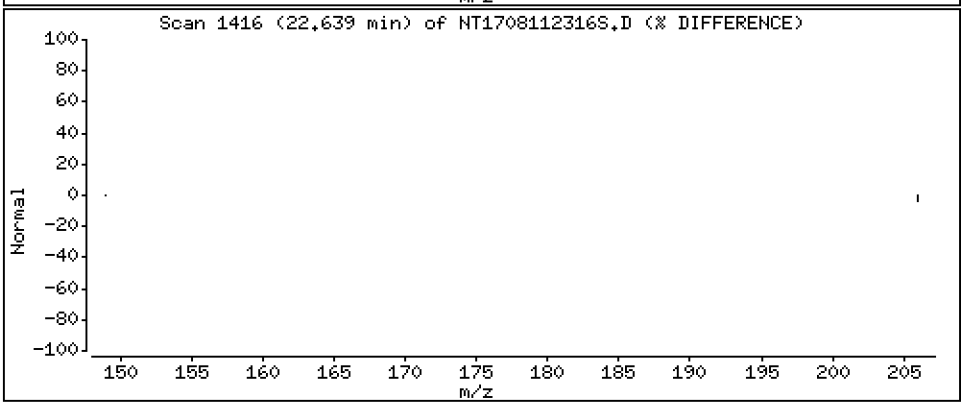












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112316S.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

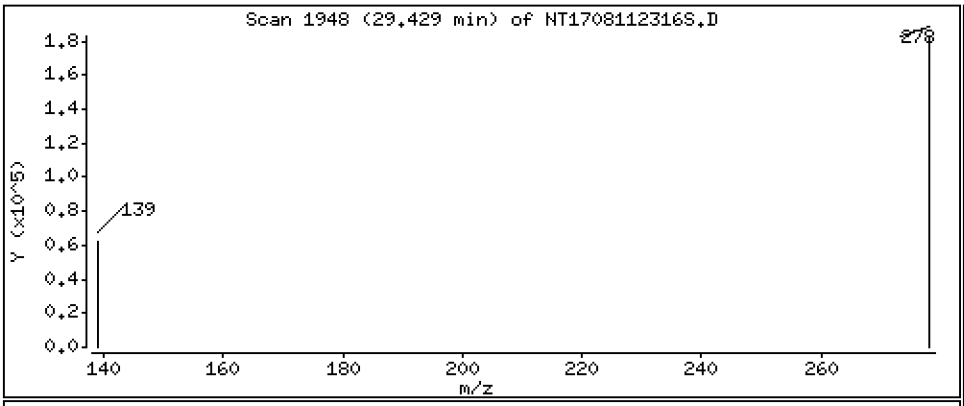
Operator: YZ

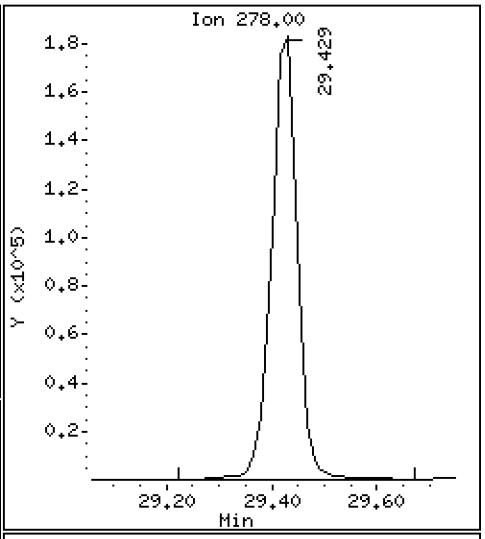
Column phase: ZB-5msi

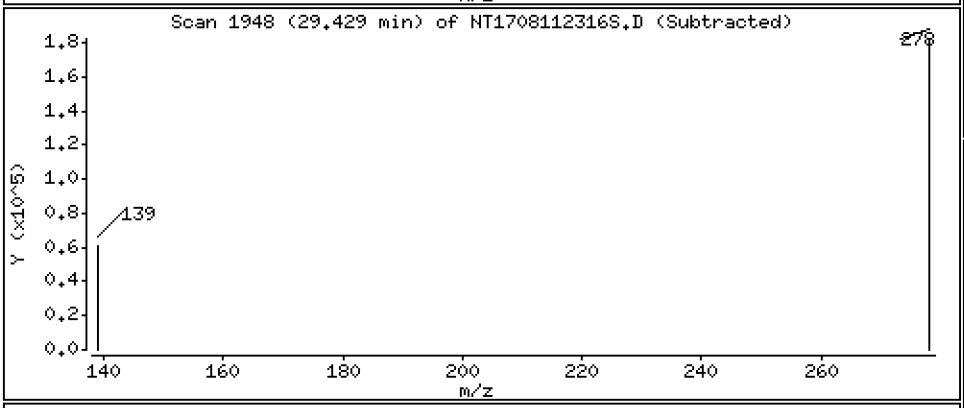
Column diameter: 0.25

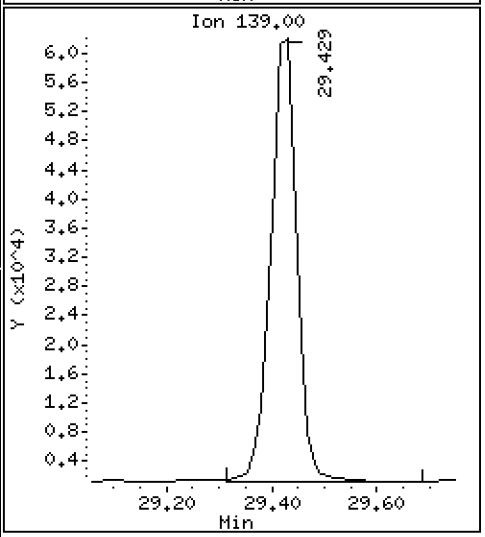
79 Dibenzo(a,h)anthracene

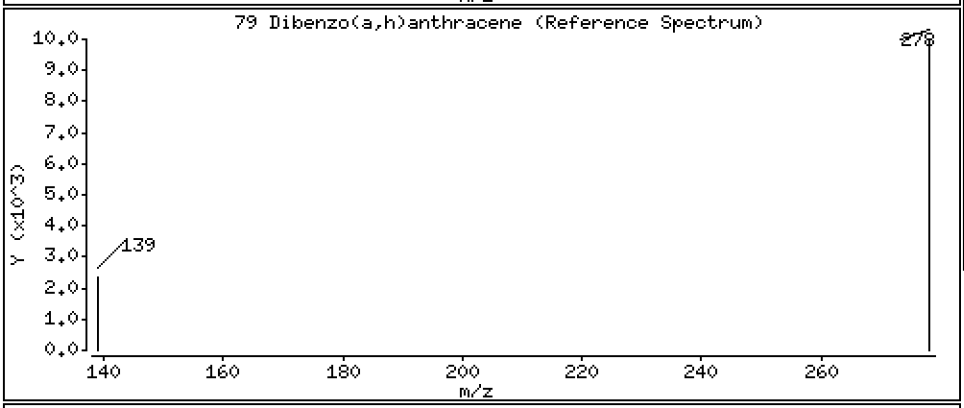
Concentration: 4.027 ug/mL

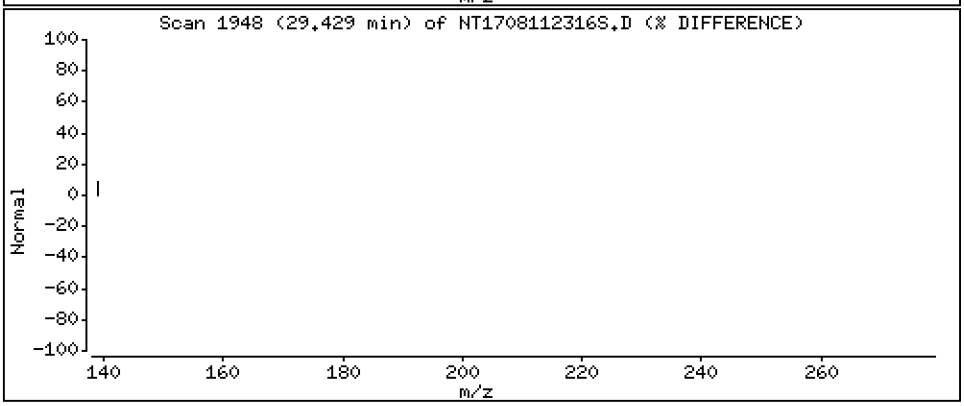












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112316S.D

Date : 11-AUG-2023 21:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0180-MSD1

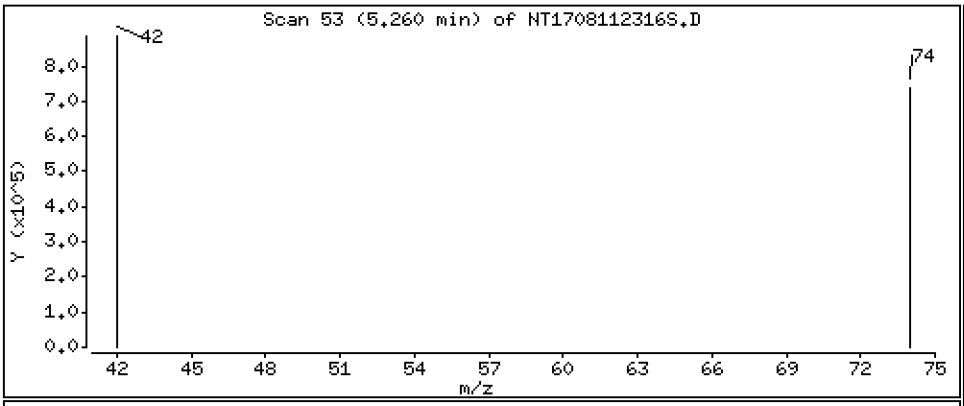
Operator: YZ

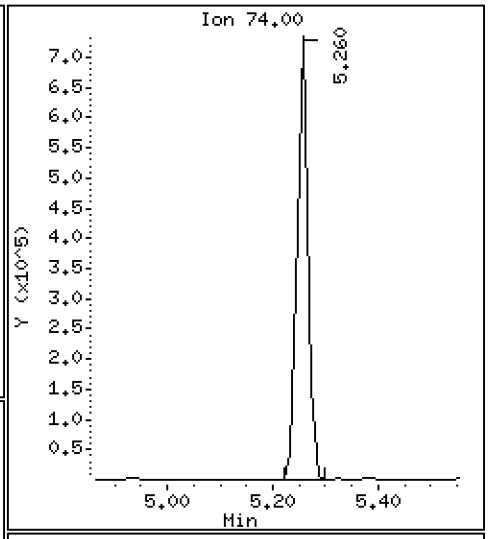
Column phase: ZB-5msi

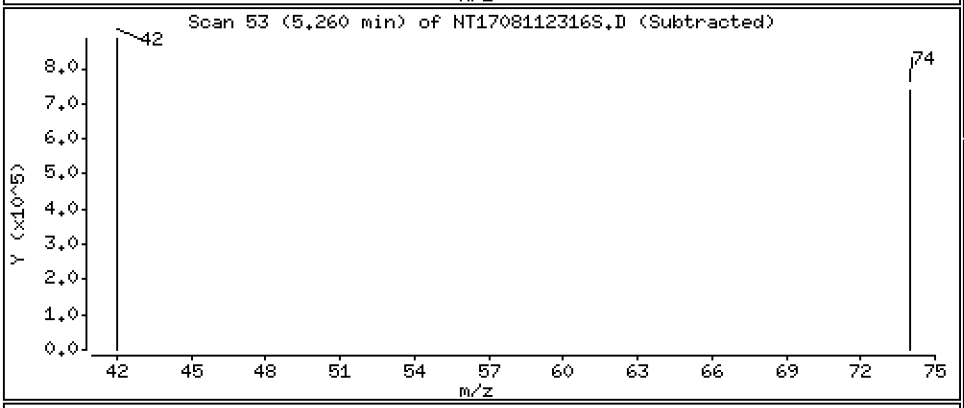
Column diameter: 0.25

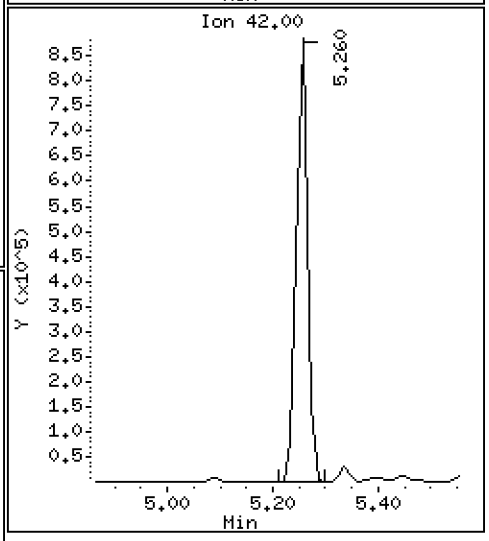
90 N-Nitrosodimethylamine

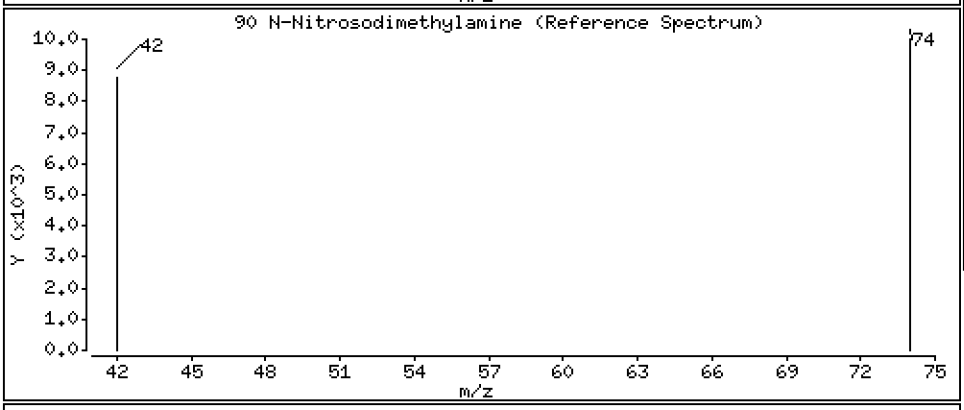
Concentration: 9.019 ug/mL

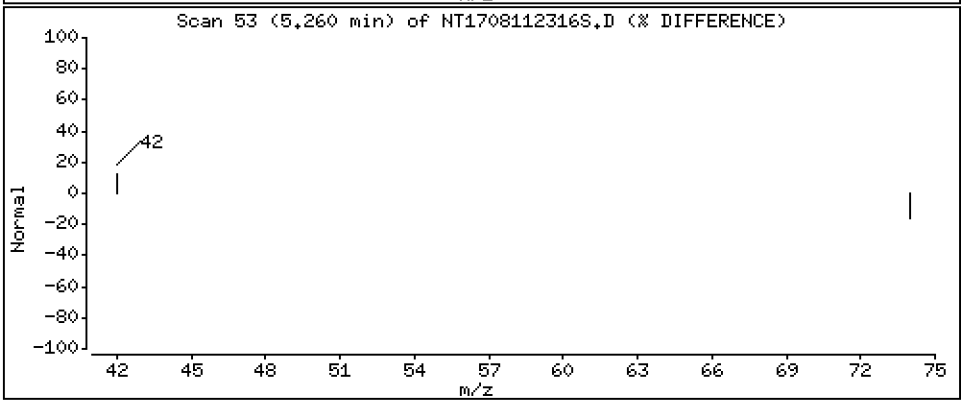












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112316S.D
Lab Smp Id: BLH0180-MSD1
Inj Date : 11-AUG-2023 21:35
Operator : YZ Inst ID: nt17.i
Smp Info : BLH0180-MSD1
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230811.b\SIM.b\SIMABN2.m
Meth Date : 16-Aug-2023 08:42 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
$	1	2-Fluorophenol	112	7.324	7.298	(0.768)	612561	5.45149	5.451(R)
	3	Phenol	94	8.891	8.891	(0.932)	694377	4.05379	4.054
	7	1,3-Dichlorobenzene	146	9.477	9.477	(0.993)	384971	3.32260	3.323
*	8	1,4-Dichlorobenzene-d4	152	9.541	9.541	(1.000)	270616	4.00000	
	9	1,4-Dichlorobenzene	146	9.566	9.566	(1.003)	376261	3.35558	3.356
	11	Benzyl alcohol	79	9.796	9.796	(1.027)	519667	4.38329	4.383
	12	1,2-Dichlorobenzene	146	9.924	9.924	(1.040)	372875	3.42811	3.428
	13	2-Methylphenol	108	10.014	10.001	(1.050)	406365	3.91254	3.913
	15	4-Methylphenol	108	10.282	10.269	(1.078)	446811	4.11600	4.116
	16	N-Nitroso-di-n-propylamine	70	10.359	10.346	(1.086)	488463	4.40022	4.400
	22	2,4-Dimethylphenol	107	11.317	11.316	(0.942)	1339716	11.9615	11.96
	24	Benzoic acid	105	11.559	11.444	(0.962)	2128581	25.4200	25.42
	26	1,2,4-Trichlorobenzene	180	11.929	11.929	(0.993)	255338	3.33661	3.337
*	27	Naphthalene-d8	136	12.018	12.018	(1.000)	1116284	4.00000	
	30	Hexachlorobutadiene	225	12.413	12.413	(1.033)	126444	3.52821	3.528
	39	Dimethylphthalate	163	15.130	15.117	(0.967)	711990	4.36591	4.366
*	42	Acenaphthene-d10	162	15.640	15.627	(1.000)	501754	4.00000	
	50	Diethylphthalate	149	16.570	16.557	(1.059)	857612	5.05764	5.058
	54	N-Nitrosodiphenylamine	169	16.965	16.965	(0.909)	443123	3.83412	3.834
	57	Hexachlorobenzene	284	18.034	18.034	(0.966)	144750	3.82273	3.823
	58	Pentachlorophenol	266	18.391	18.391	(0.985)	364802	14.1968	14.20
*	59	Phenanthrene-d10	188	18.672	18.659	(1.000)	803905	4.00000	
$	66	Terphenyl-d14	244	21.745	21.745	(0.920)	317397	4.16952	4.170(R)
	67	Butylbenzylphthalate	149	22.638	22.638	(0.957)	680127	4.65940	4.659
*	69	Chrysene-d12	240	23.646	23.646	(1.000)	550093	4.00000	
*	77	Perylene-d12	264	26.452	26.452	(1.000)	530766	4.00000	
	79	Dibenzo(a,h)anthracene	278	29.429	29.403	(1.113)	631341	4.02718	4.027
	90	N-Nitrosodimethylamine	74	5.260	5.209	(0.551)	1031153	9.01854	9.019

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708112316S.D
Lab Smp Id: BLH0180-MSD1
Analysis Type: SV
Quant Type: ISTD
Operator: YZ
Method File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\SIMABN2.m
Misc Info:

Calibration Date: 11-AUG-2023
Calibration Time: 13:27
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	295324	147662	590648	270616	-8.37
27 Naphthalene-d8	1172715	586358	2345430	1116284	-4.81
42 Acenaphthene-d10	521273	260637	1042546	501754	-3.74
59 Phenanthrene-d10	837823	418912	1675646	803905	-4.05
69 Chrysene-d12	615517	307759	1231034	550093	-10.63
77 Perylene-d12	594634	297317	1189268	530766	-10.74

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.54	9.04	10.04	9.54	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.64	0.08
59 Phenanthrene-d10	18.66	18.16	19.16	18.67	0.07
69 Chrysene-d12	23.65	23.15	24.15	23.65	0.00
77 Perylene-d12	26.45	25.95	26.95	26.45	0.00

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

REVIEW SUMMARY FOR FILE - NT1708112316S.D

Lab ID: BLH0180-MSD1
nt17.i, 20230811.b\SIM.b\SIMABN2.m,   11-AUG-2023 21:35

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.962	0.952	0.0096	Benzoic acid
0.551	0.546	0.0053	N-Nitrosodimethylamine

RRT check based on Ccal File: SIM.b/NT1708112303S.D

On Column LOD for nt17.i, SIM.b\SIMABN2.m, PSDDA.sub = 0.0000

Exception: 1,2,4-Trichlorobenzene 0.0010

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

MS / MS DUPLICATE RECOVERY
EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Matrix:	Solid	Analyzed:	08/18/23 00:35
Batch:	BLH0329	Laboratory ID:	BLH0329-MS1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	Matrix Spike
Initial/Final:	11.1 g / 1 mL	Source Sample:	LDW23-SS1807

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	Q	MS CONCENTRATION (ug/kg dry)	Q	MS % REC. #	QC LIMITS REC.
1,4-Dichlorobenzene	500.00	ND	U	328		65.5	36 - 120
1,2-Dichlorobenzene	500.00	ND	U	334		66.8	36 - 120
Benzyl Alcohol	500.00	12.2	J	377		72.9	25 - 123
Benzoic acid	2300.0	22.3	J	2810		121	10 - 160
2,4-Dimethylphenol	1300.0	ND	U	171		13.2	10 - 120
1,2,4-Trichlorobenzene	500.00	ND	U	327		65.4	35 - 120
N-Nitrosodiphenylamine	500.00	ND	U	270		54.0	27 - 120
Pentachlorophenol	1300.0	ND	U	1110	Q	85.2	26 - 120

* Values outside of QC limits

MS / MS DUPLICATE RECOVERY
EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Matrix:	Solid	Analyzed:	08/18/23 01:12
Batch:	BLH0329	Laboratory ID:	BLH0329-MSD1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	Matrix Spike Dup
Initial/Final:	11.1 g / 1 mL	Source Sample:	LDW23-SS1807

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	Q	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,4-Dichlorobenzene	500.00	331		66.1	0.901	30	36 - 120
1,2-Dichlorobenzene	500.00	338		67.7	1.26	30	36 - 120
Benzyl Alcohol	500.00	396		76.9	5.06	30	25 - 123
Benzoic acid	2300.0	2550		110	9.72	30	10 - 160
2,4-Dimethylphenol	1300.0	397	*	30.5	79.3 *	30	10 - 120
1,2,4-Trichlorobenzene	500.00	331		66.2	1.27	30	35 - 120
N-Nitrosodiphenylamine	500.00	385	*	77.0	35.1 *	30	27 - 120
Pentachlorophenol	1300.0	1370	Q	105	21.2	30	26 - 120

* Values outside of QC limits

Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT17081723095.D

Date : 18-AUG-2023 00:35

Client ID:

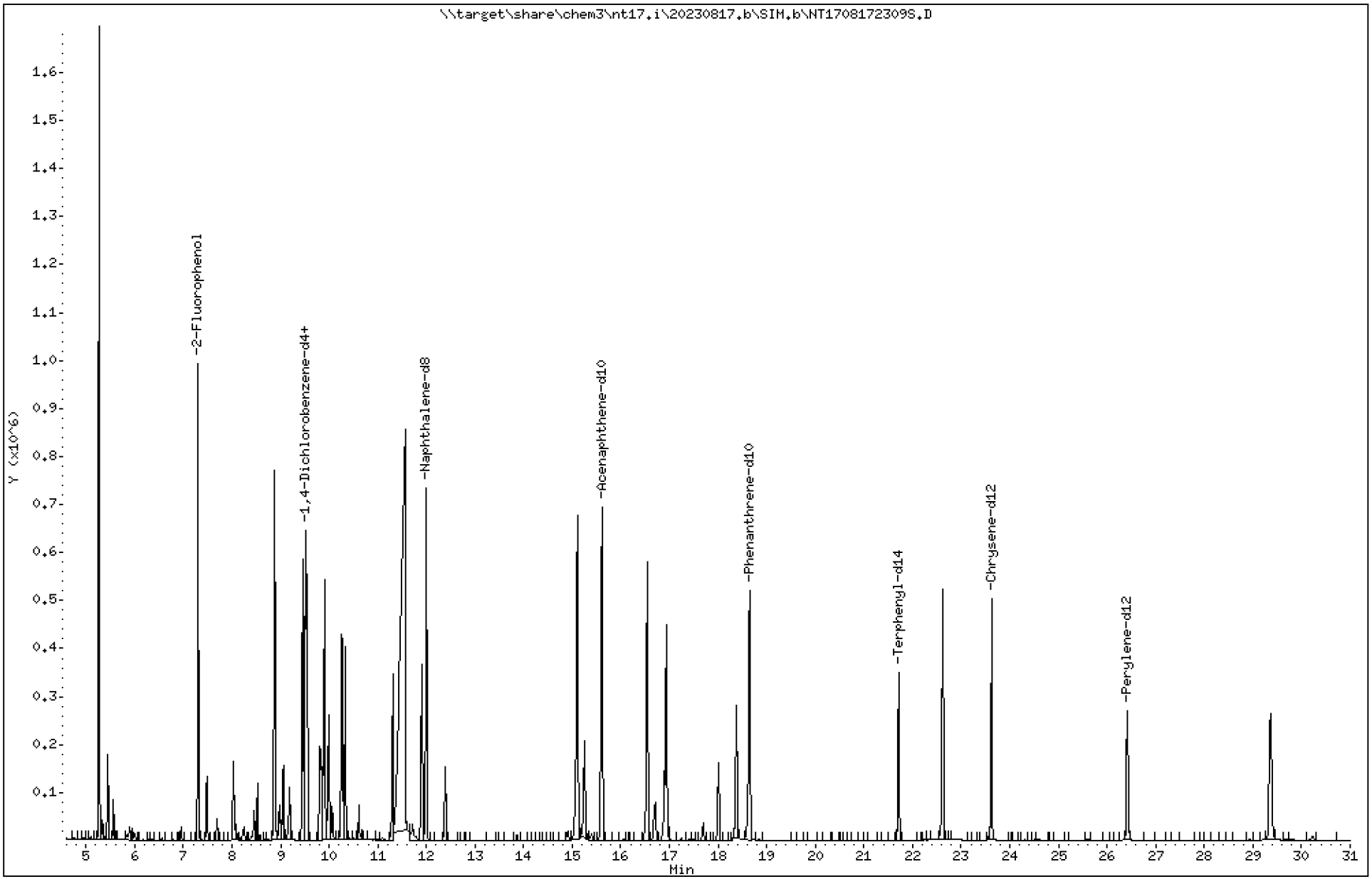
Sample Info: BLH0329-MS1

Column phase: ZB-5msi

Instrument: nt17.i

Operator: JGR

Column diameter: 0.25



Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172309S.D

Date : 18-AUG-2023 00:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MS1

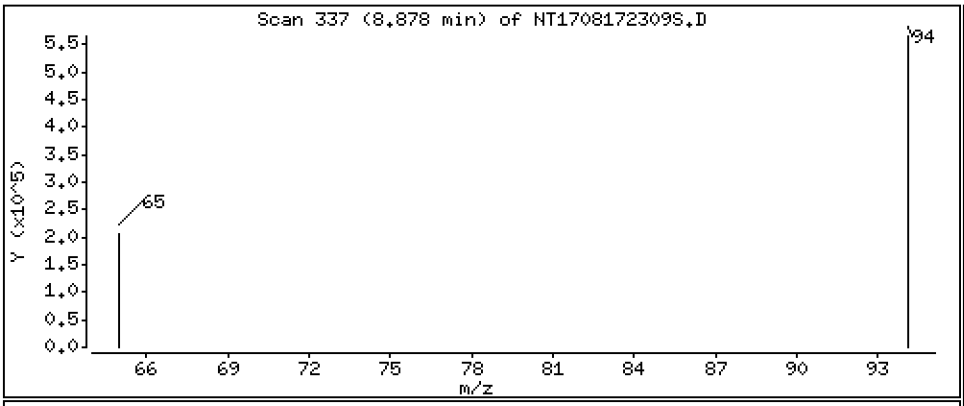
Operator: JGR

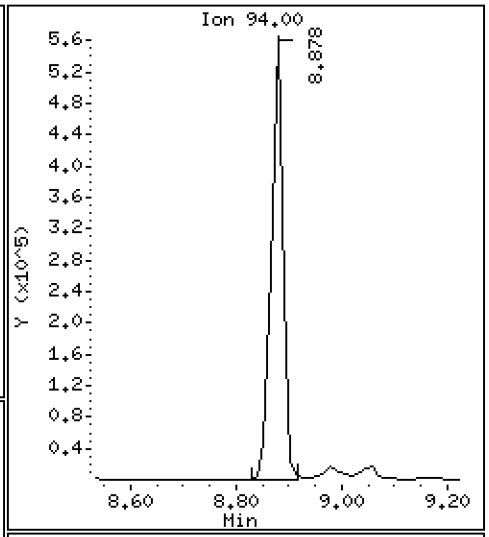
Column phase: ZB-5msi

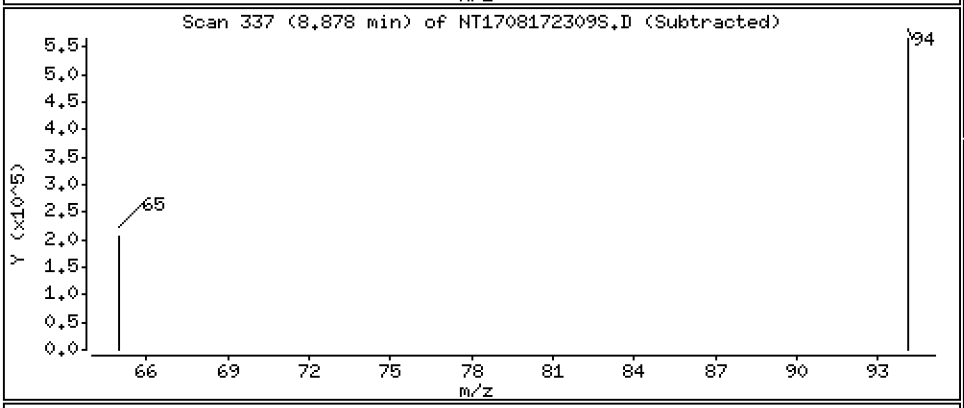
Column diameter: 0.25

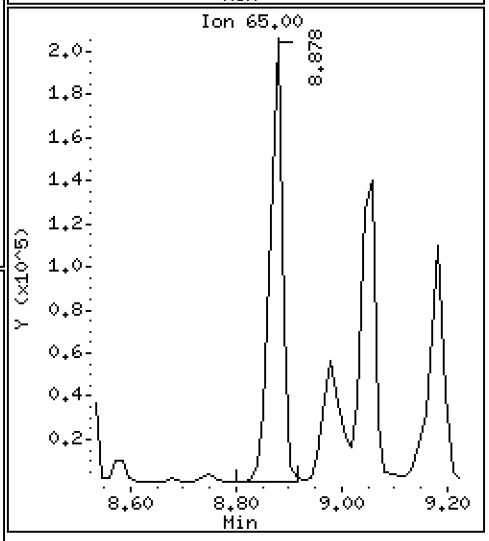
3 Phenol

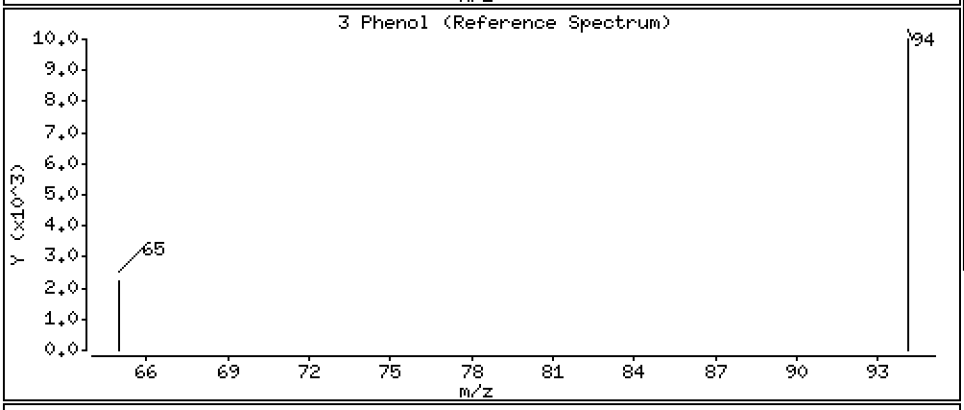
Concentration: 3.642 ug/mL

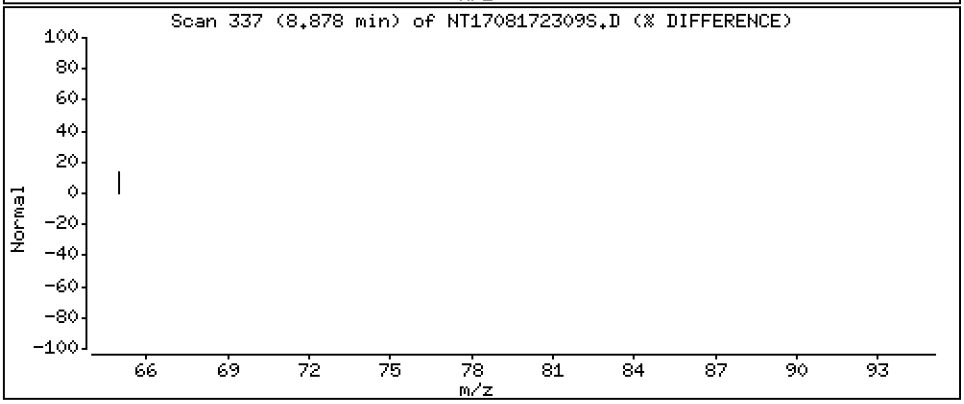












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172309S.D

Date : 18-AUG-2023 00:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MS1

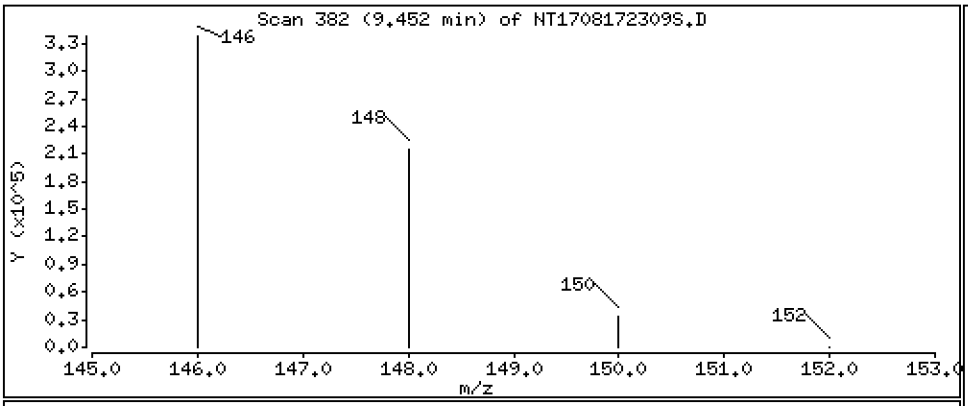
Operator: JGR

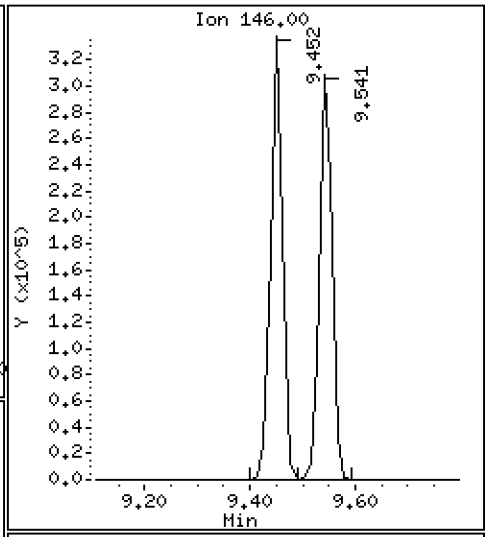
Column phase: ZB-5msi

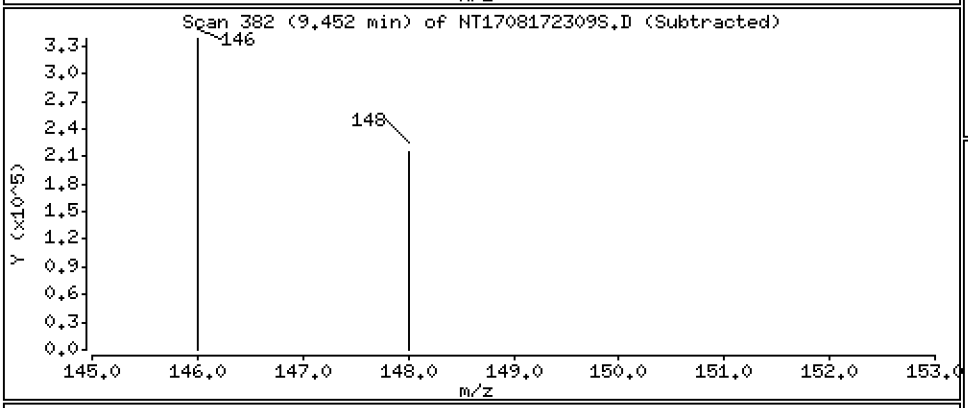
Column diameter: 0.25

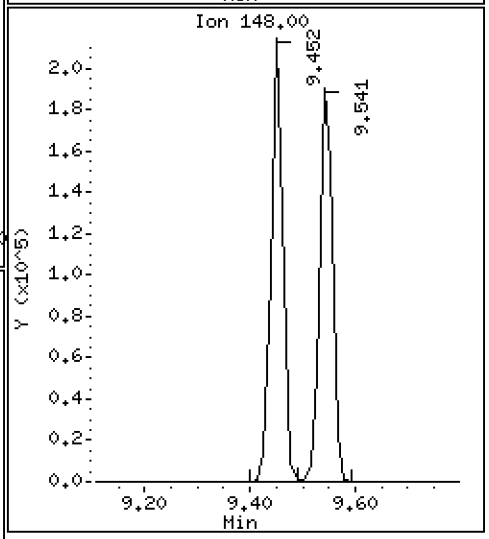
7 1,3-Dichlorobenzene

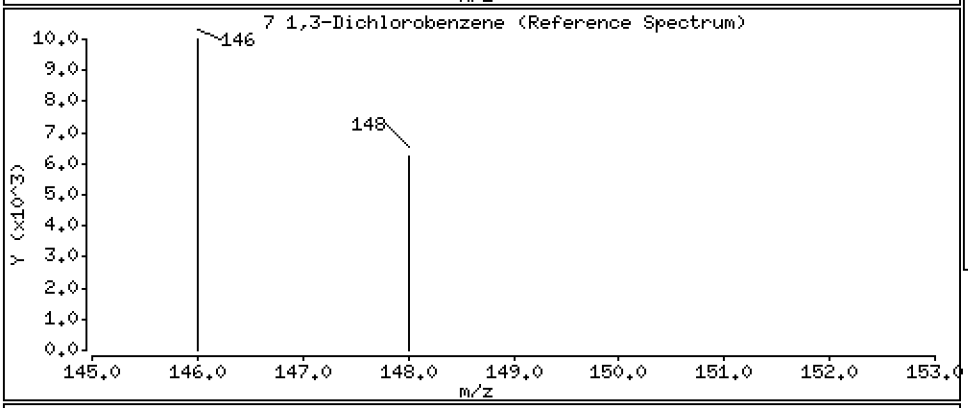
Concentration: 3.251 ug/mL

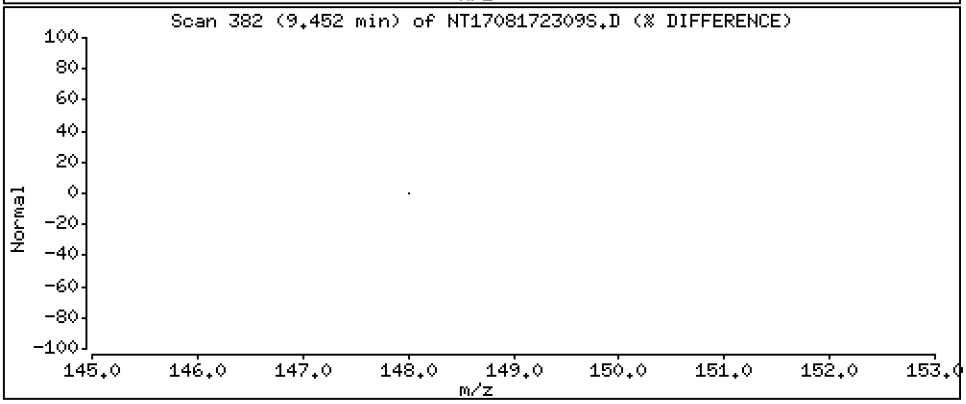












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172309S.D

Date : 18-AUG-2023 00:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MS1

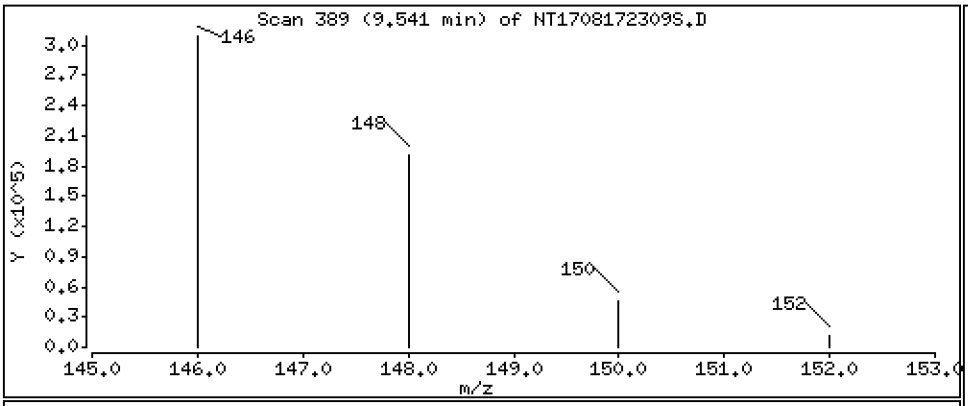
Operator: JGR

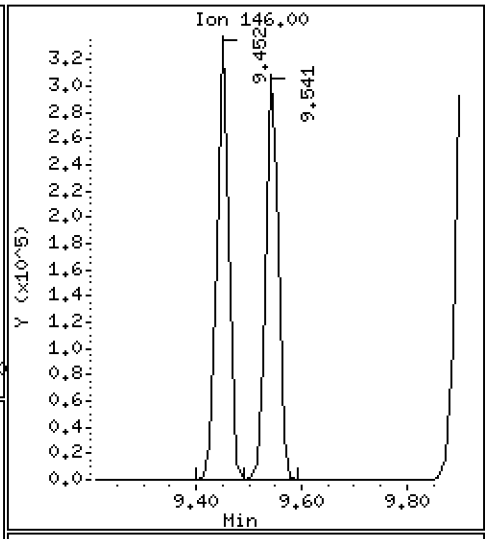
Column phase: ZB-5msi

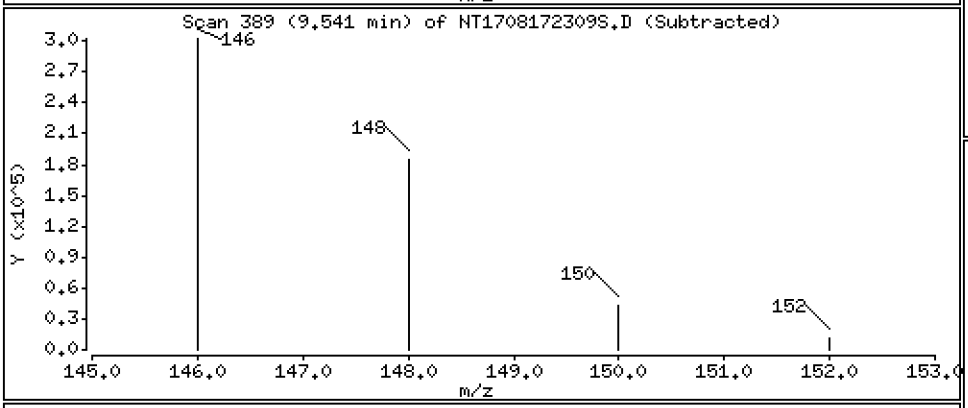
Column diameter: 0.25

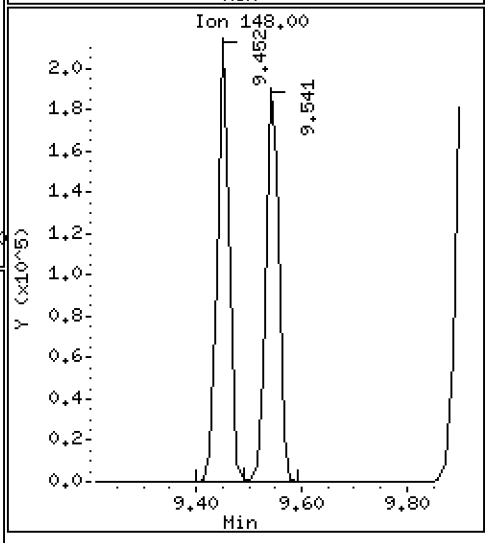
9 1,4-Dichlorobenzene

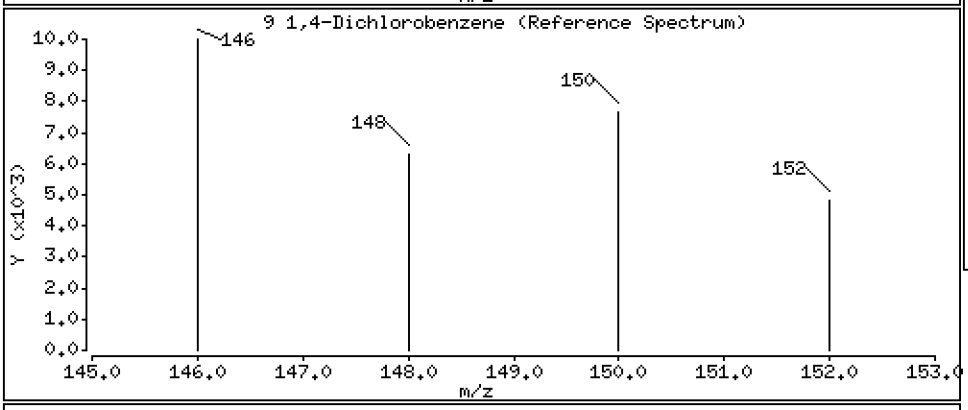
Concentration: 3.276 ug/mL

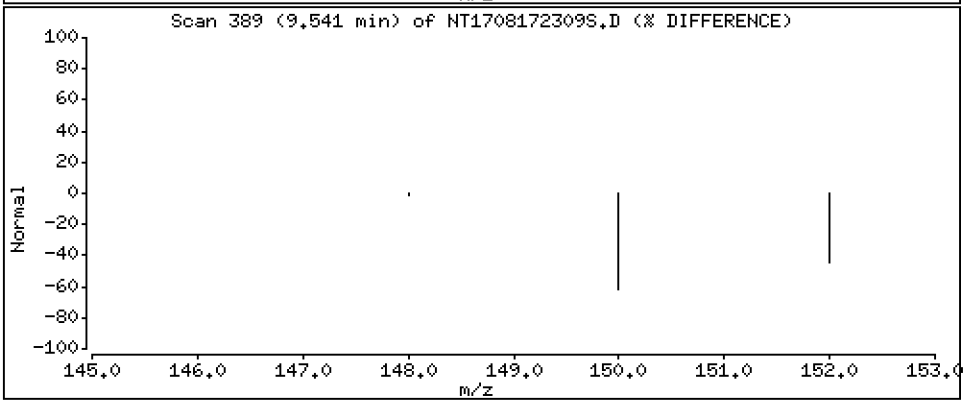












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Date : 18-AUG-2023 00:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MS1

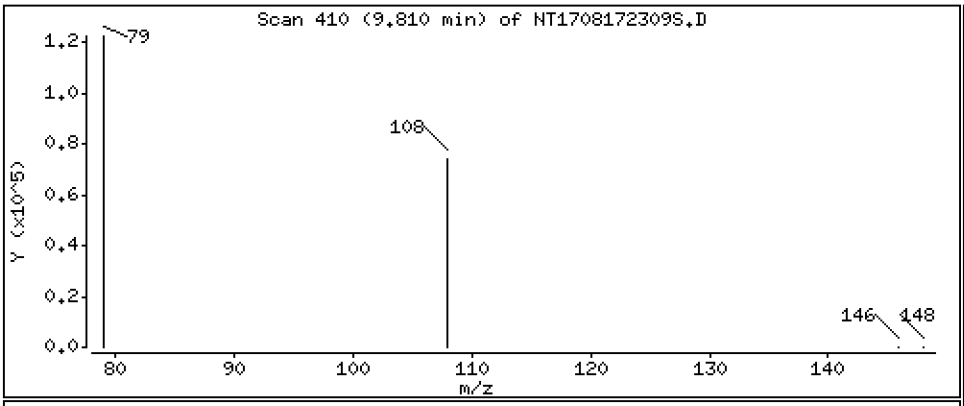
Operator: JGR

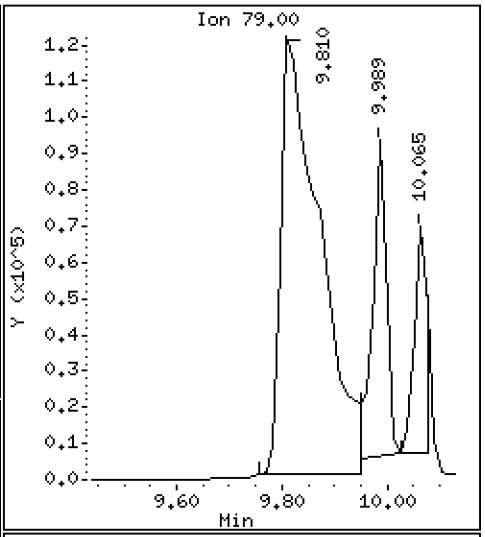
Column phase: ZB-5msi

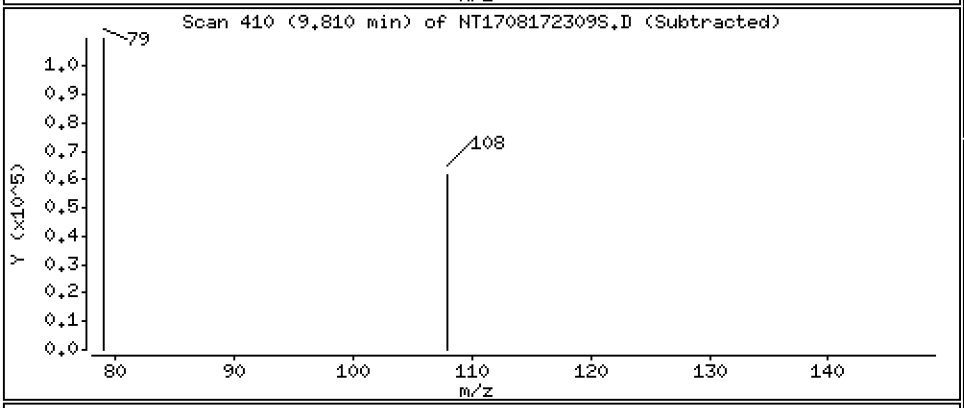
Column diameter: 0.25

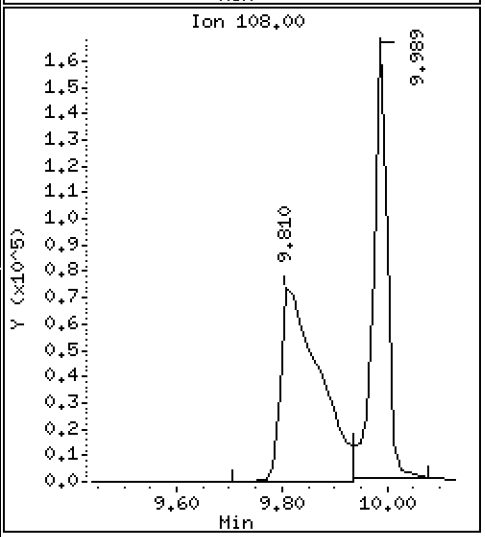
11 Benzyl alcohol

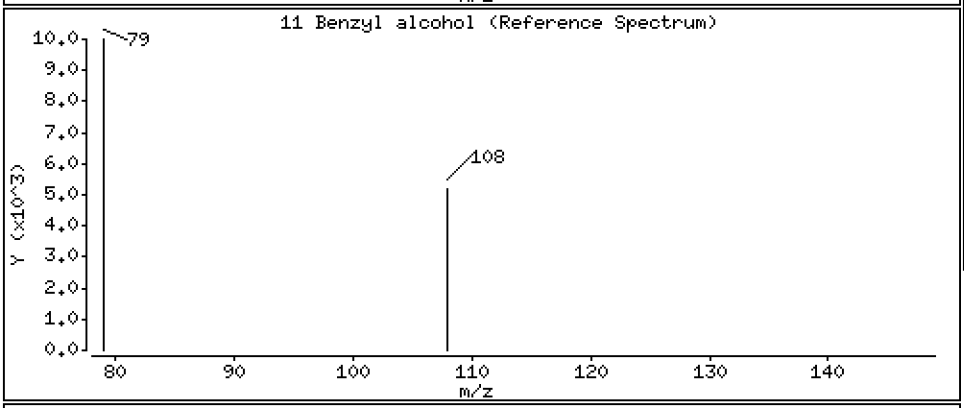
Concentration: 3.768 ug/mL

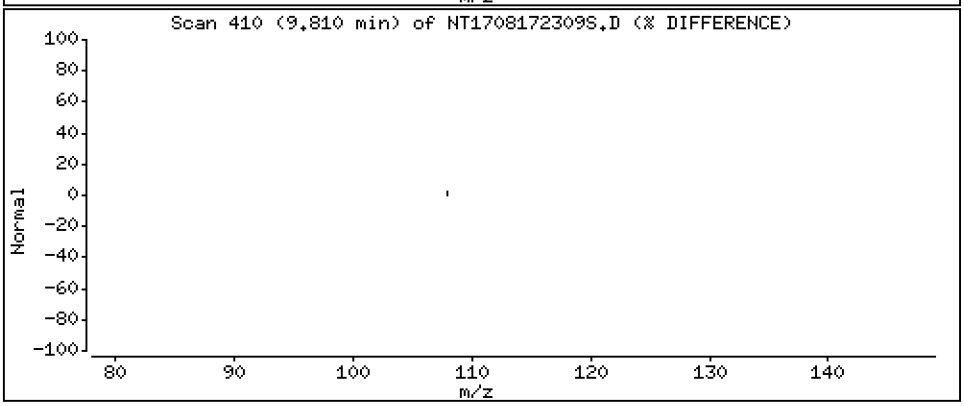












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Date : 18-AUG-2023 00:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MS1

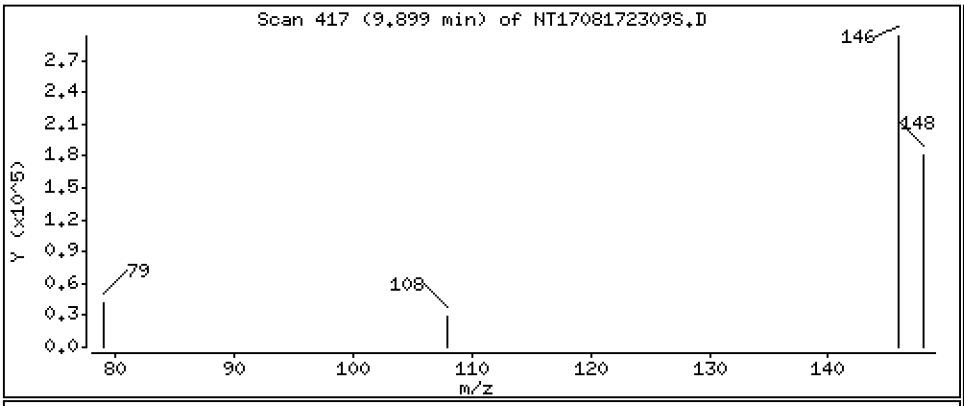
Operator: JGR

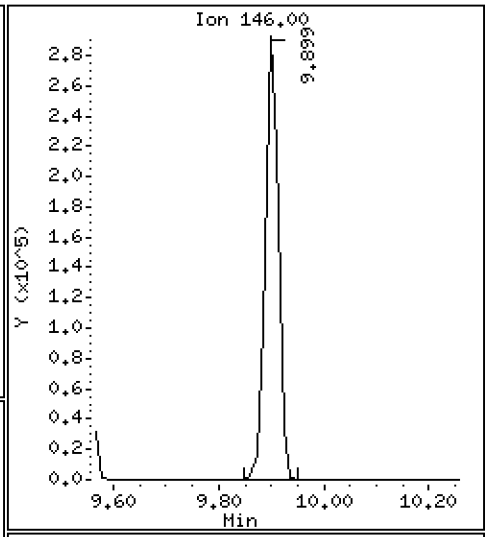
Column phase: ZB-5msi

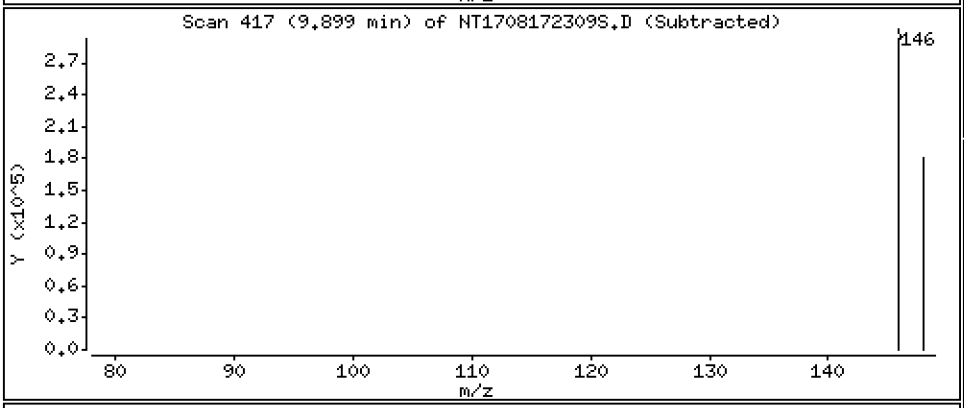
Column diameter: 0.25

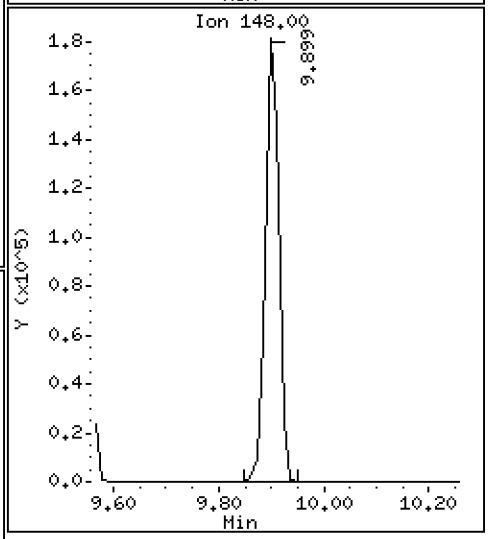
12 1,2-Dichlorobenzene

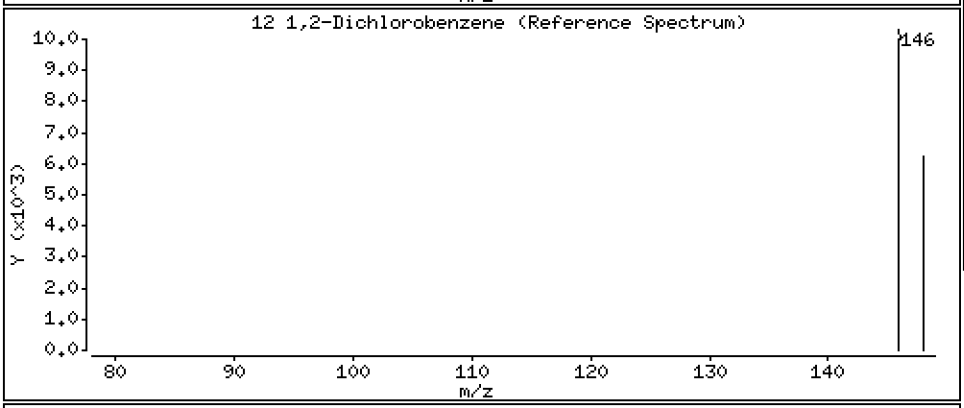
Concentration: 3.341 ug/mL

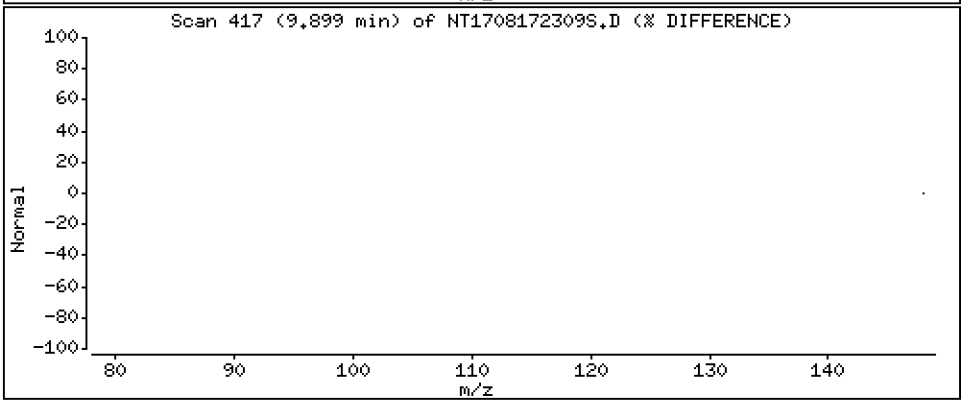












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Date : 18-AUG-2023 00:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MS1

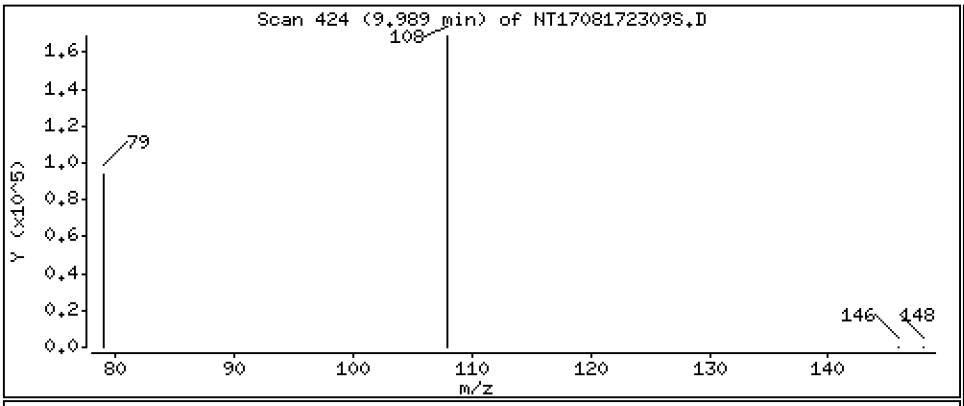
Operator: JGR

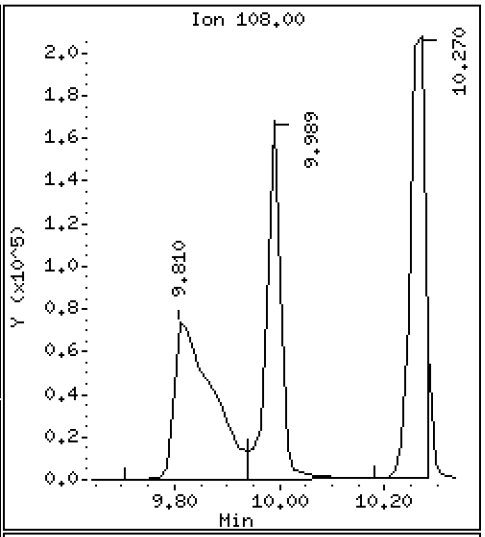
Column phase: ZB-5msi

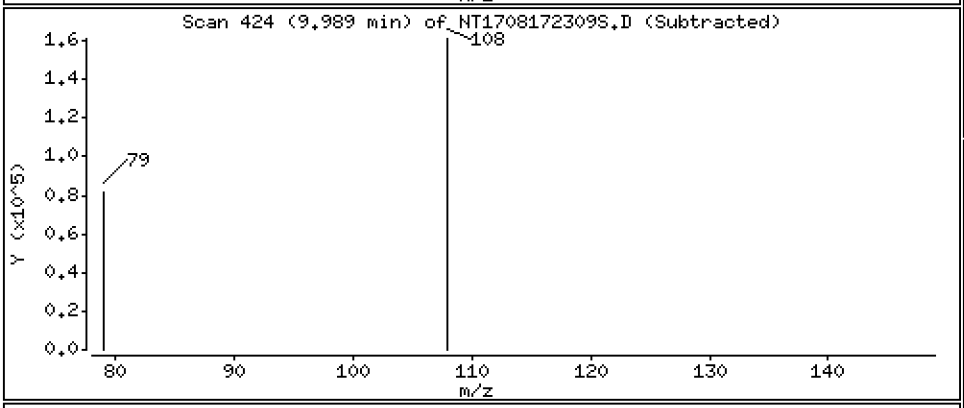
Column diameter: 0.25

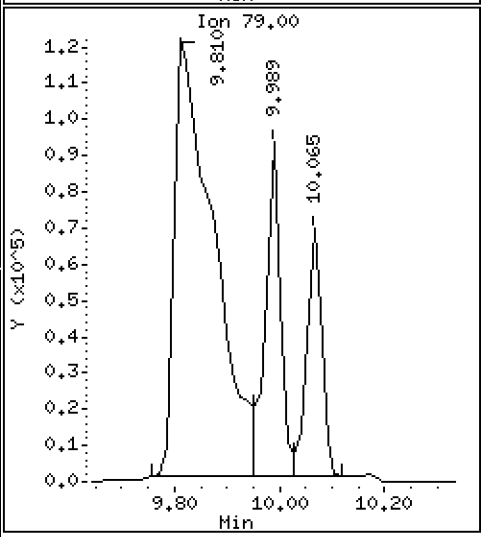
13 2-Methylphenol

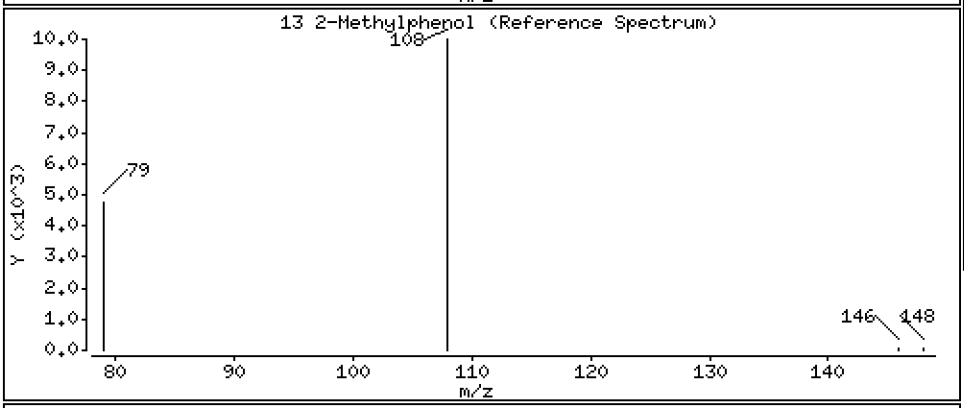
Concentration: 2.216 ug/mL

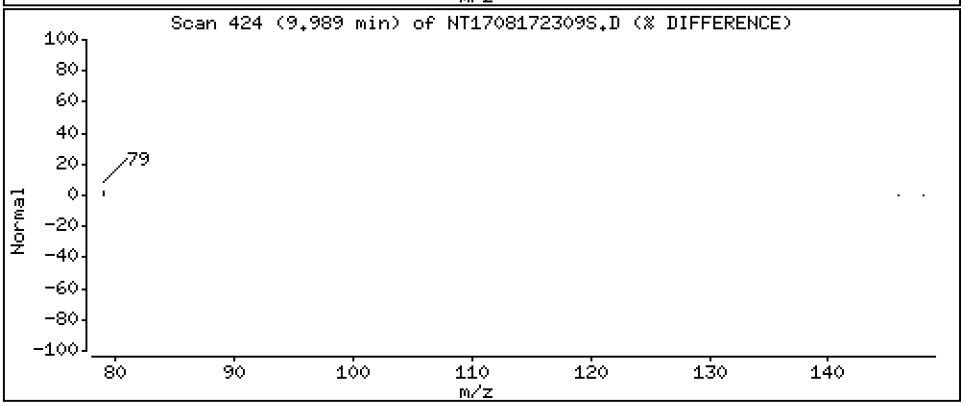












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Date : 18-AUG-2023 00:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MS1

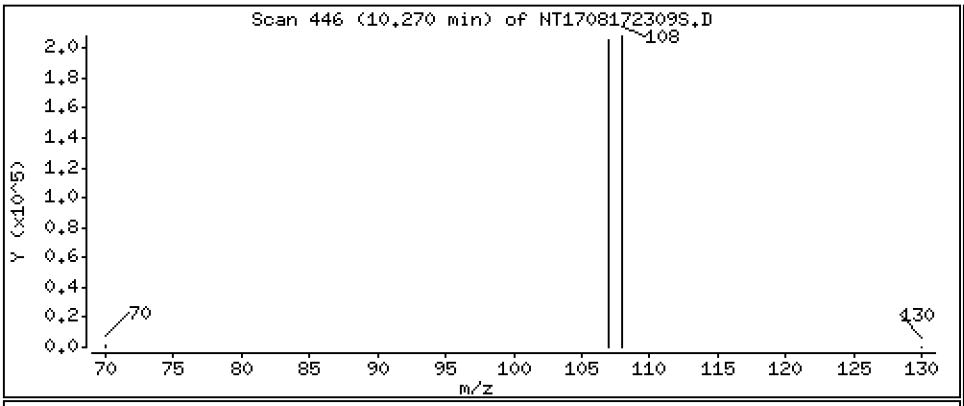
Operator: JGR

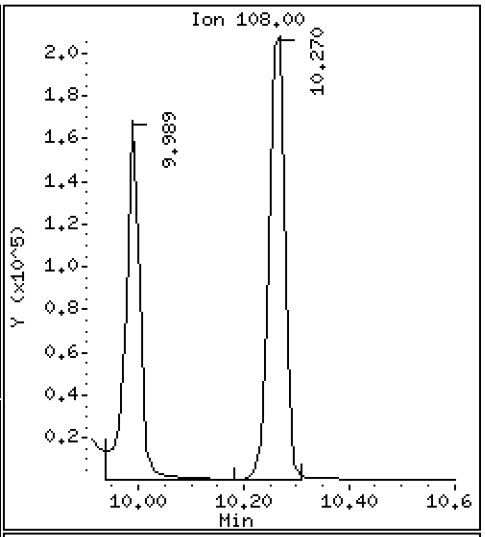
Column phase: ZB-5msi

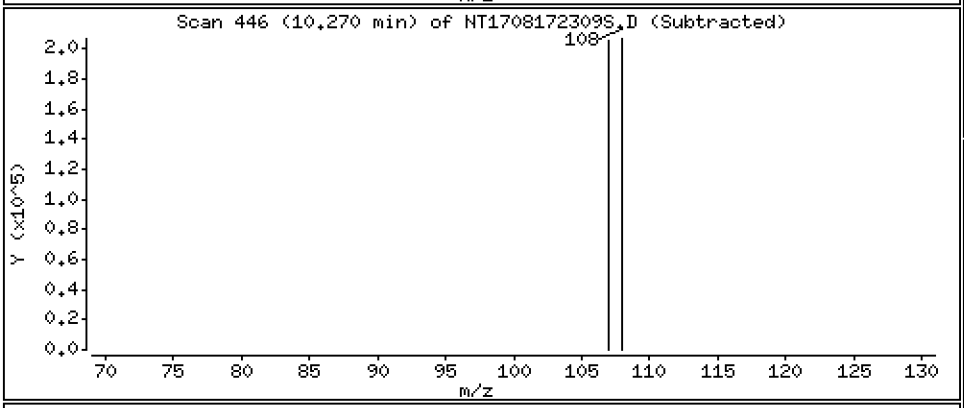
Column diameter: 0.25

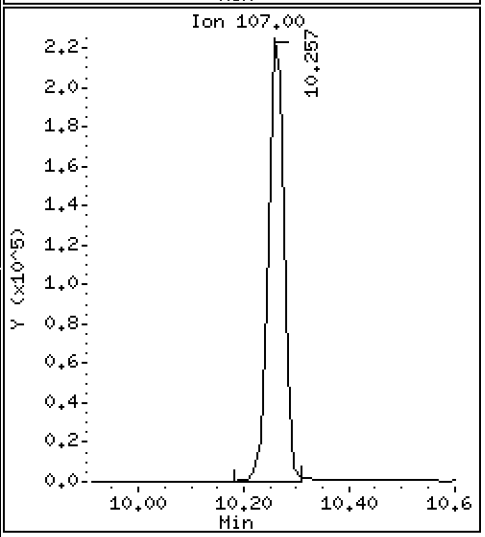
15 4-Methylphenol

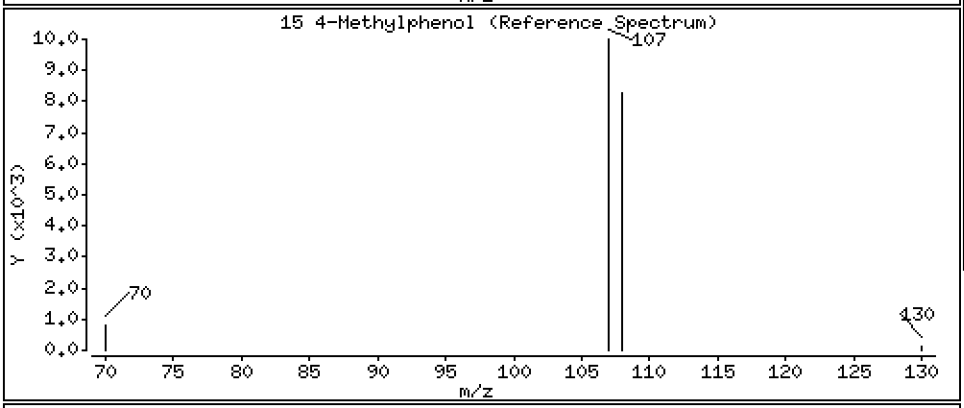
Concentration: 2.898 ug/mL

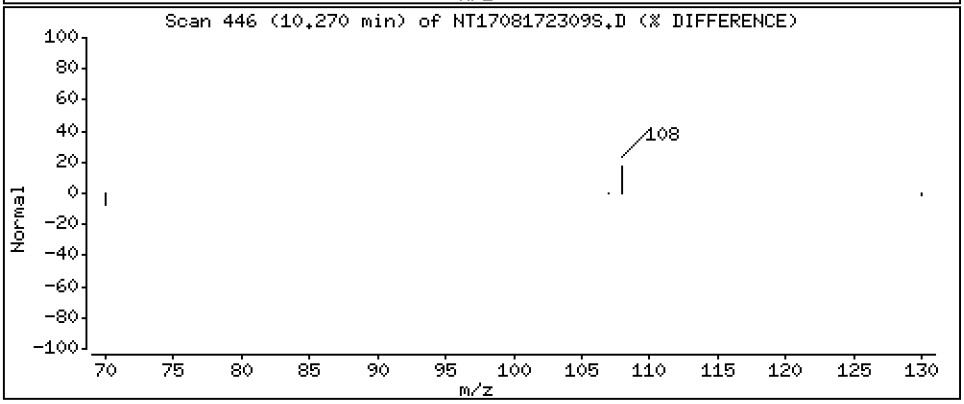












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Date : 18-AUG-2023 00:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MS1

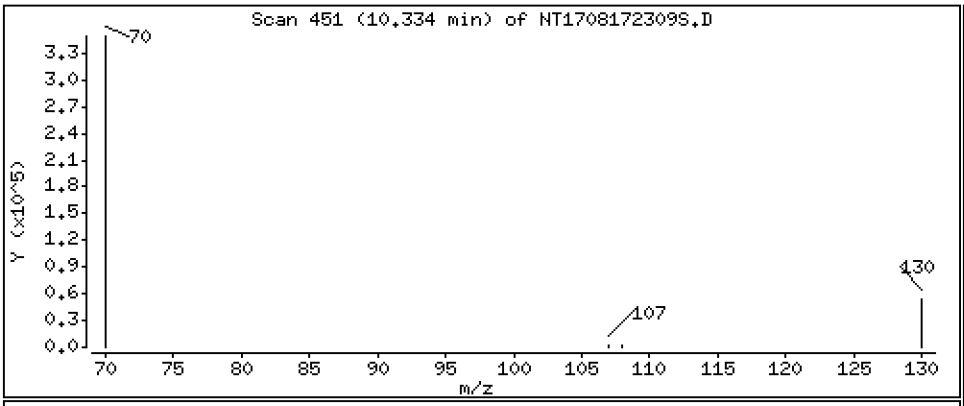
Operator: JGR

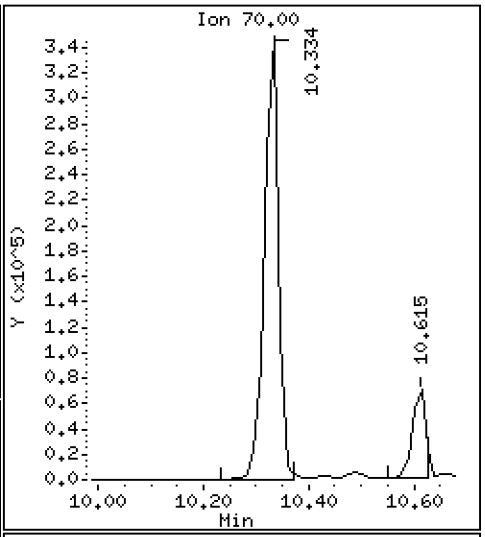
Column phase: ZB-5msi

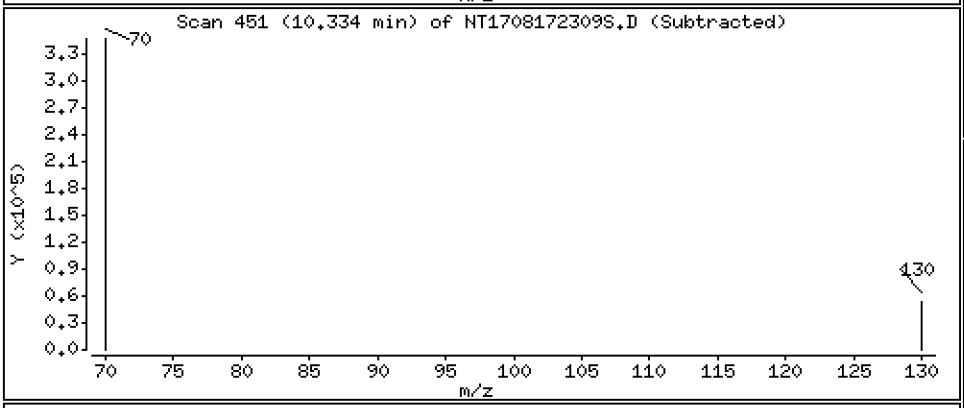
Column diameter: 0.25

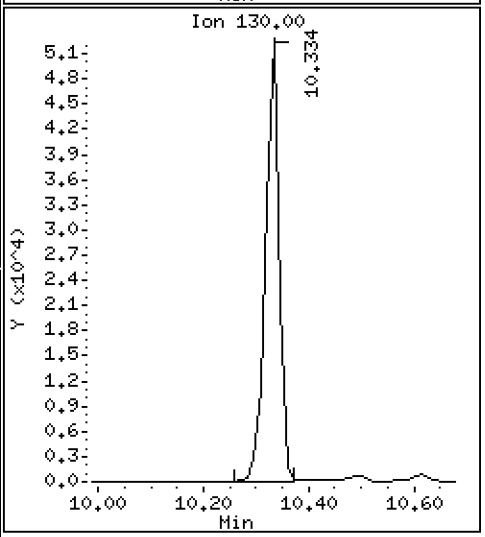
16 N-Nitroso-di-n-propylamine

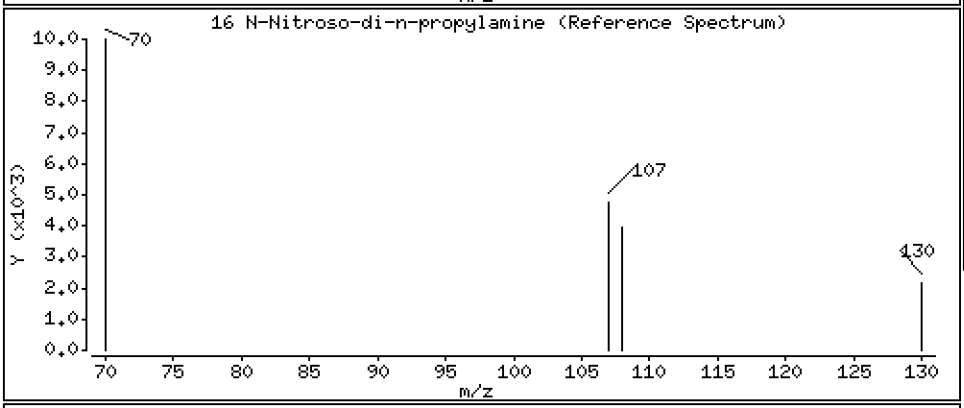
Concentration: 4.172 ug/mL

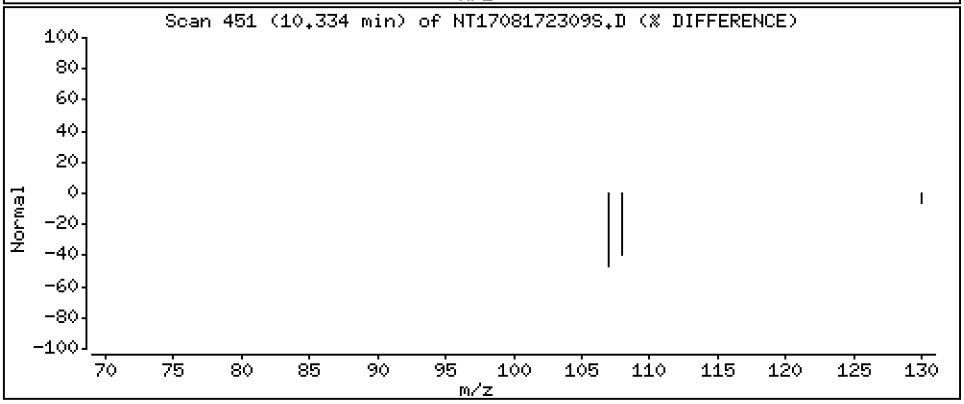












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Date : 18-AUG-2023 00:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MS1

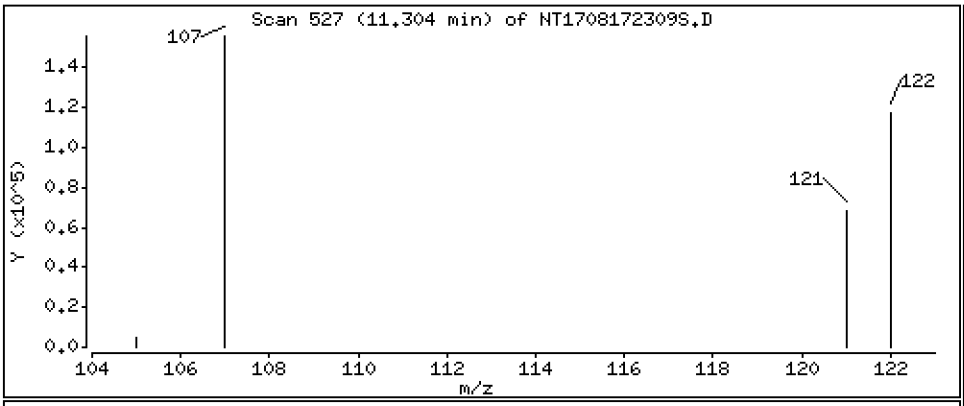
Operator: JGR

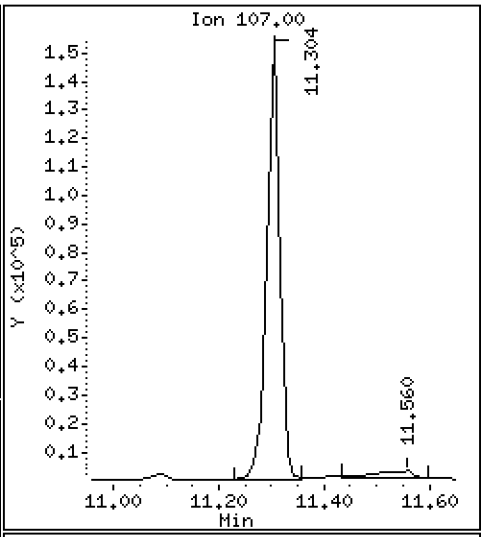
Column phase: ZB-5msi

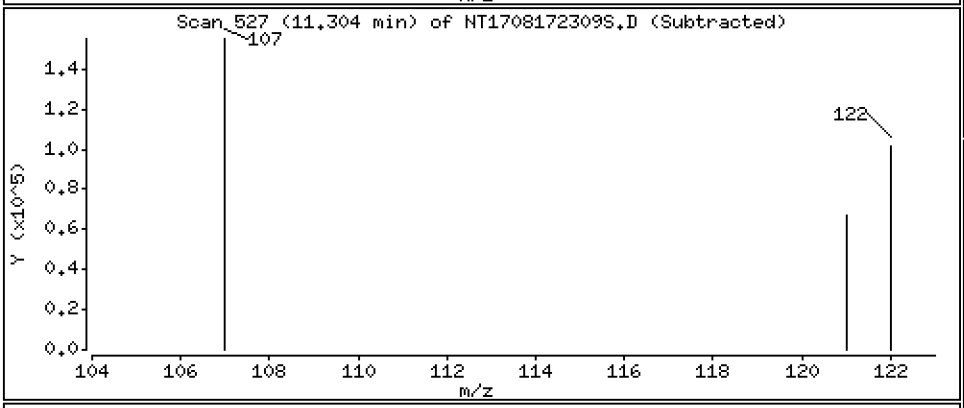
Column diameter: 0.25

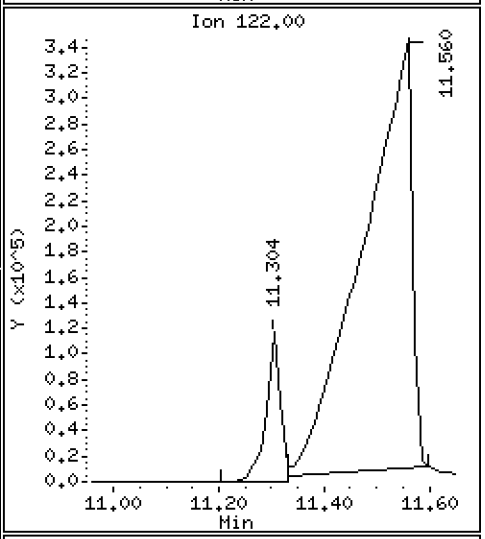
22 2,4-Dimethylphenol

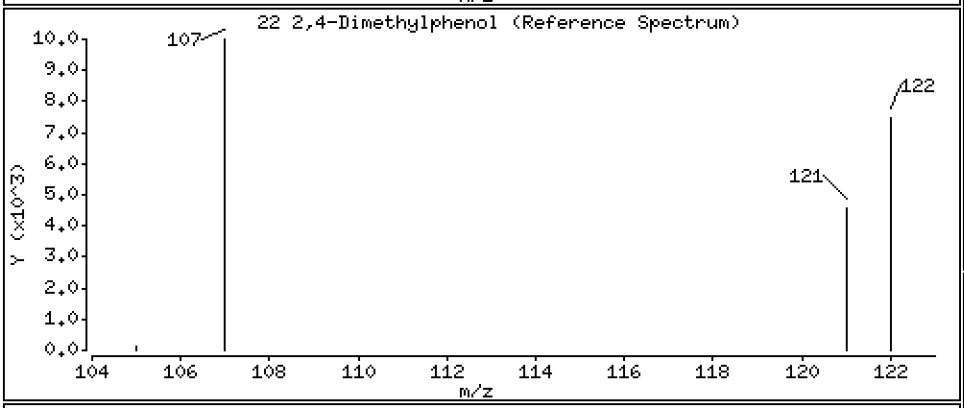
Concentration: 1.714 ug/mL

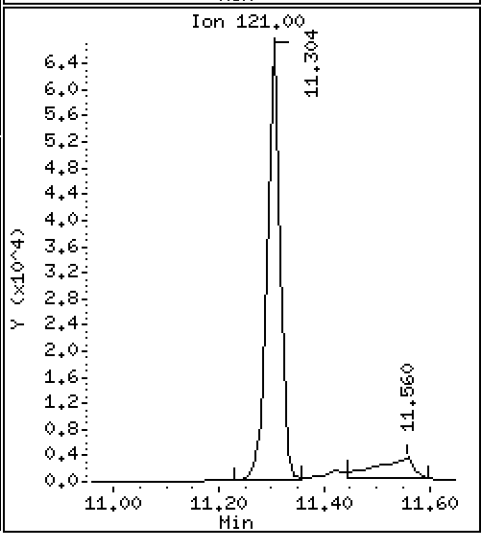


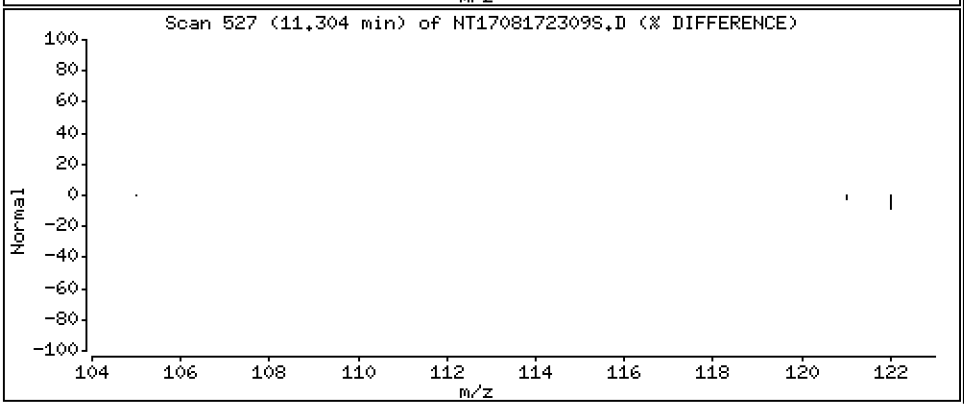












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Date : 18-AUG-2023 00:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MS1

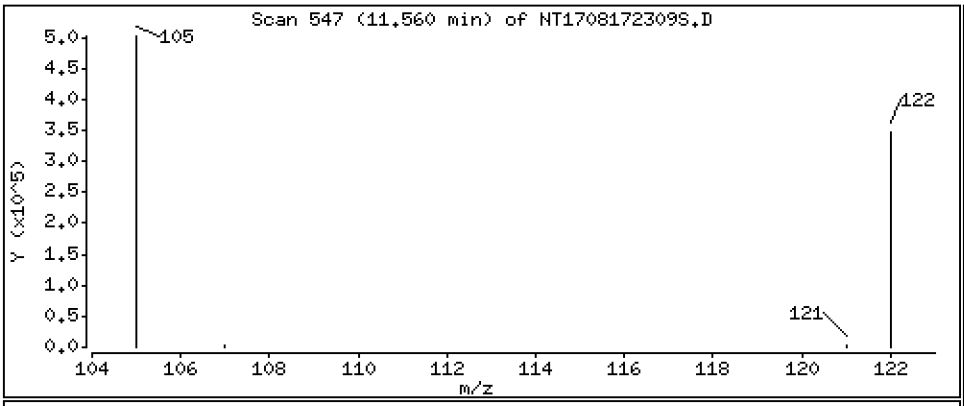
Operator: JGR

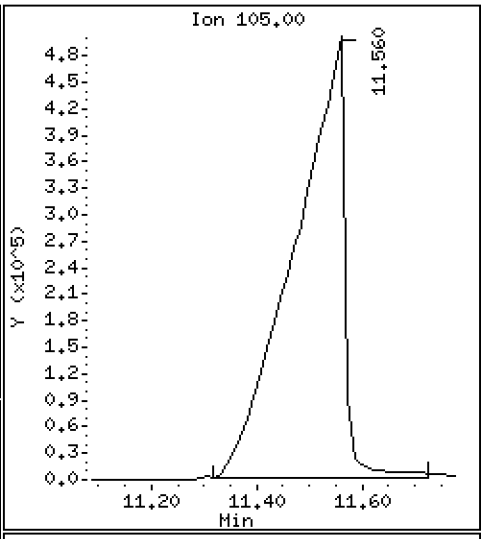
Column phase: ZB-5msi

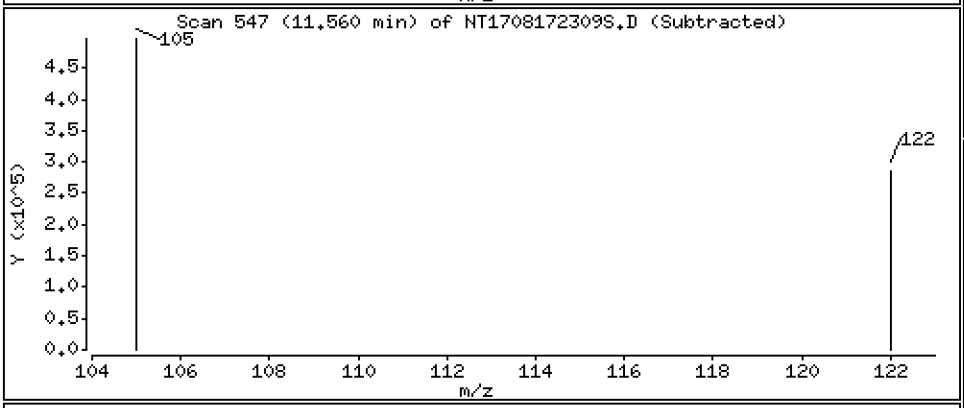
Column diameter: 0.25

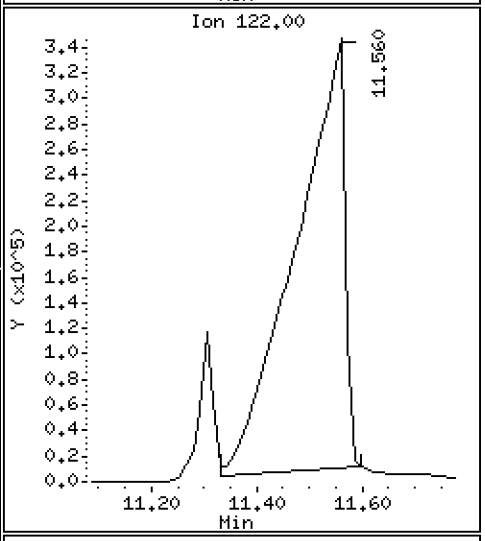
24 Benzoic acid

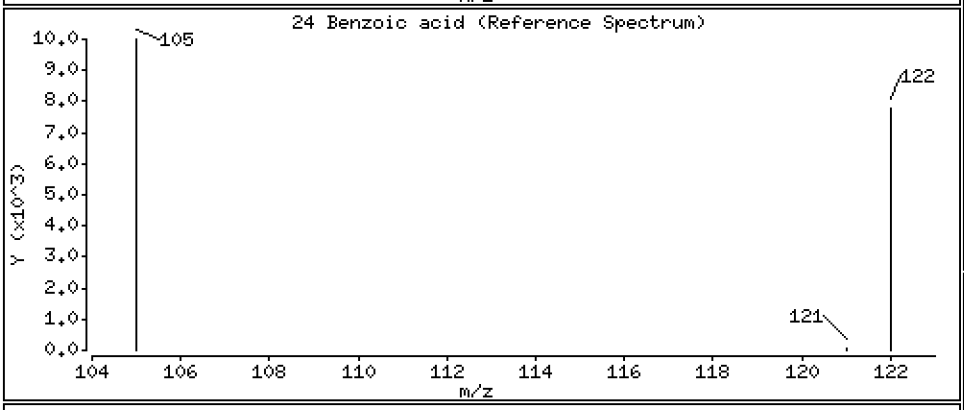
Concentration: 28.06 ug/mL

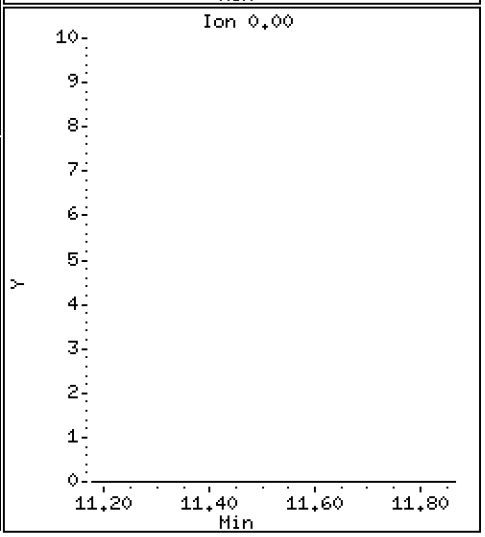


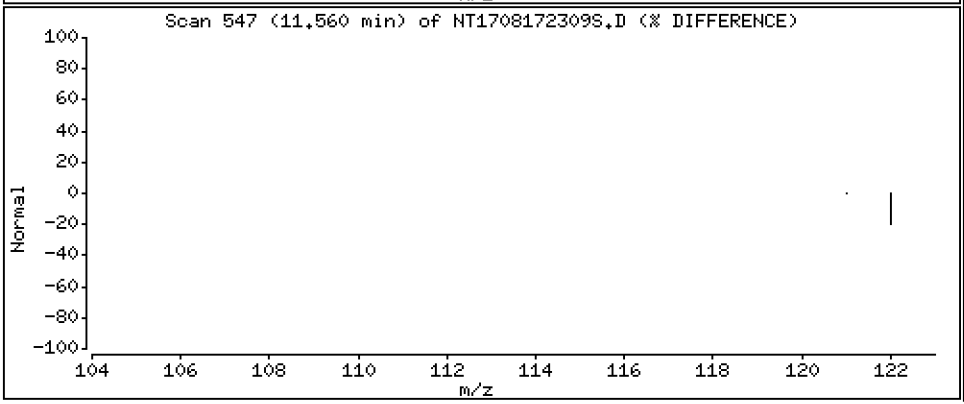












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Date : 18-AUG-2023 00:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MS1

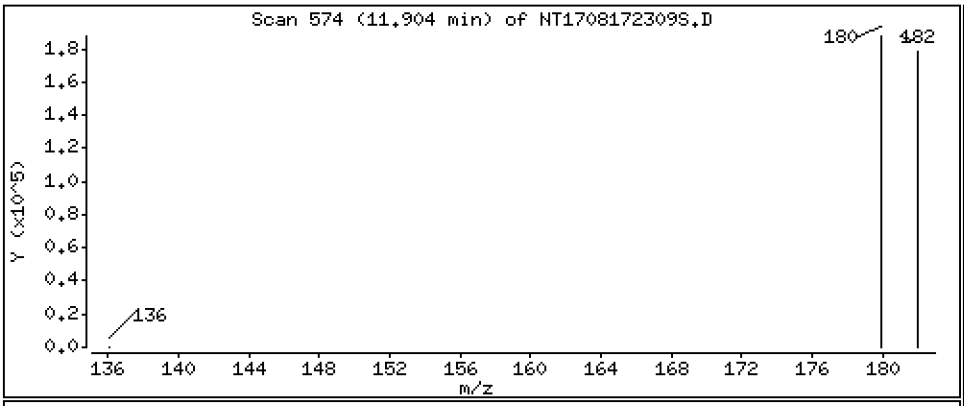
Operator: JGR

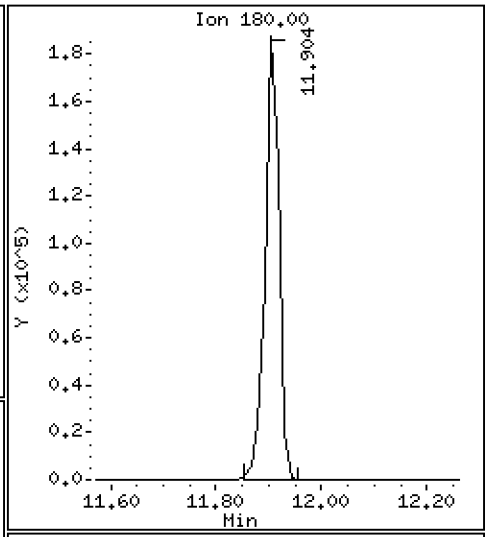
Column phase: ZB-5msi

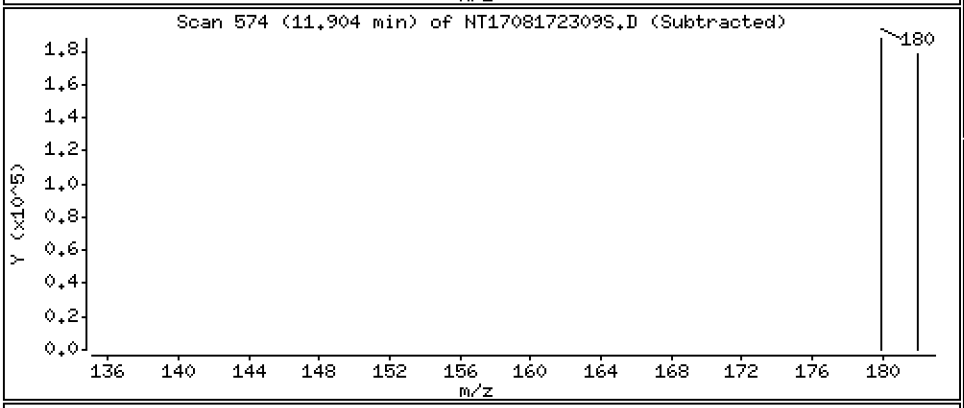
Column diameter: 0.25

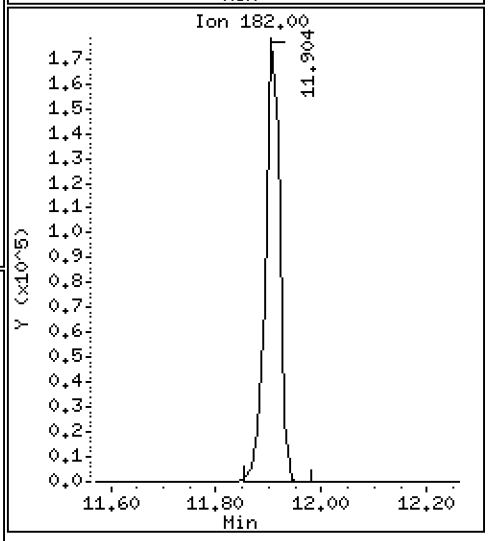
26 1,2,4-Trichlorobenzene

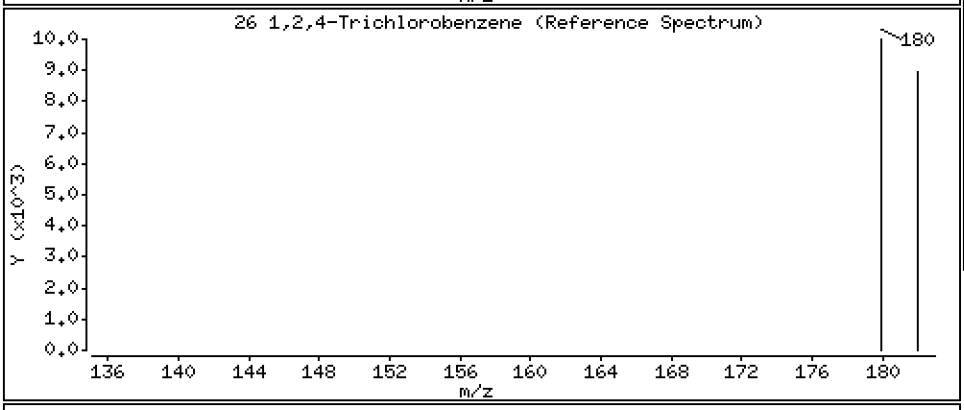
Concentration: 3.270 ug/mL

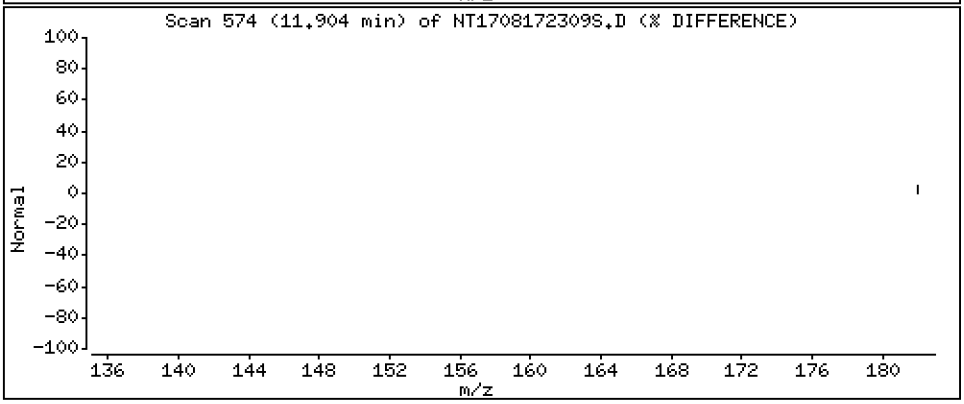












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Date : 18-AUG-2023 00:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MS1

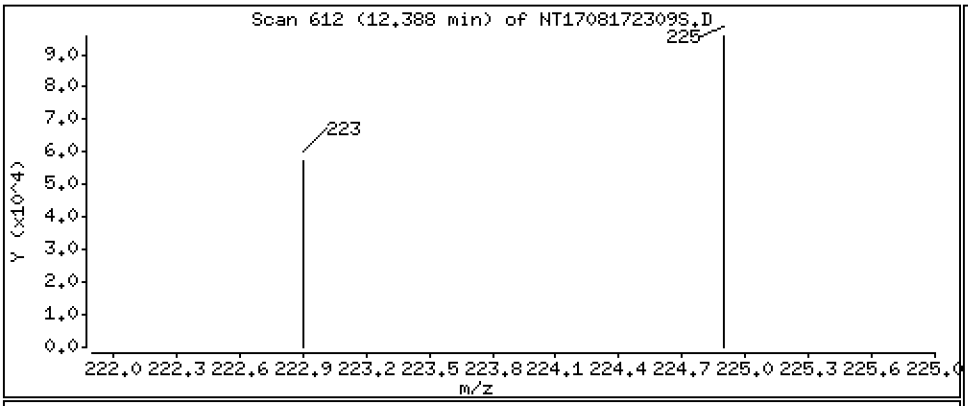
Operator: JGR

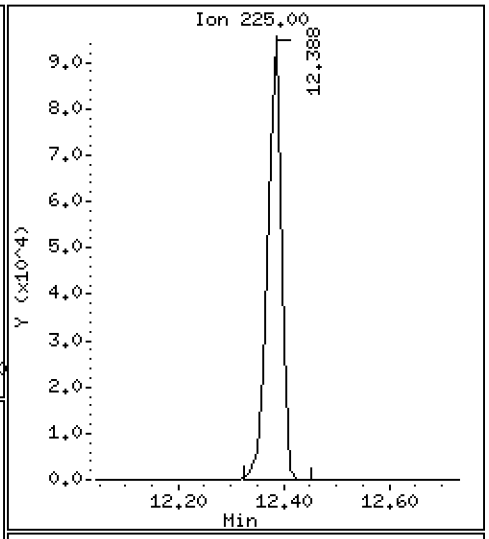
Column phase: ZB-5msi

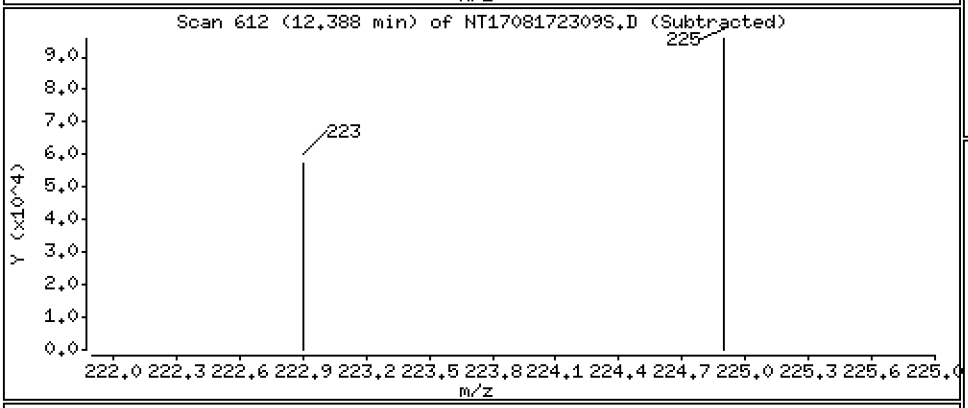
Column diameter: 0.25

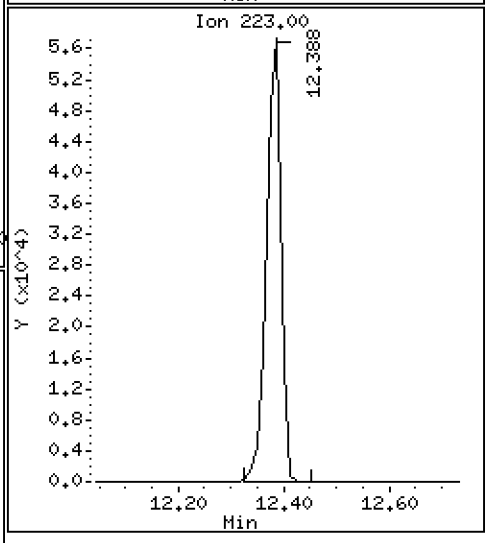
30 Hexachlorobutadiene

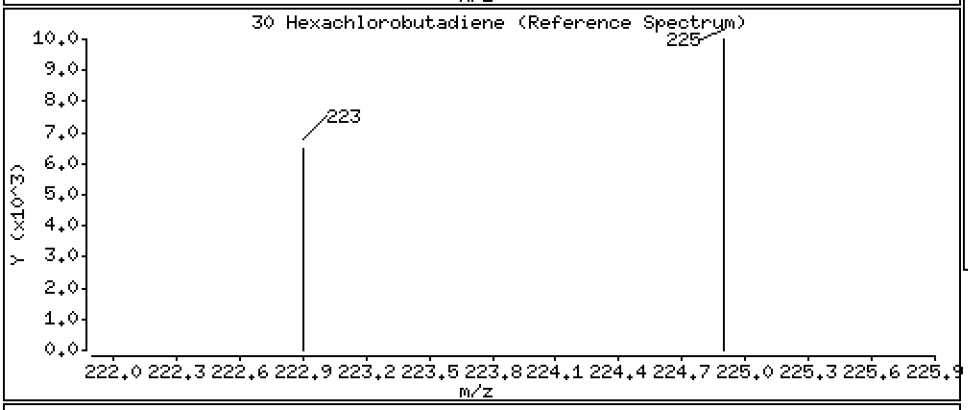
Concentration: 3.526 ug/mL

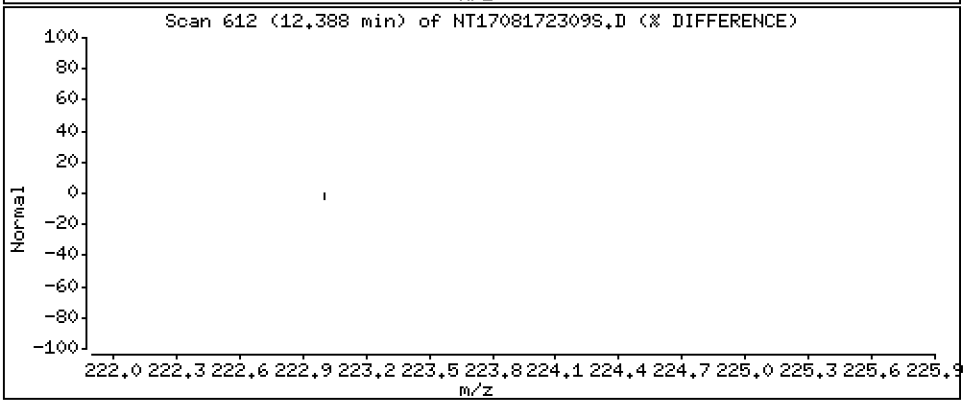












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Date : 18-AUG-2023 00:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MS1

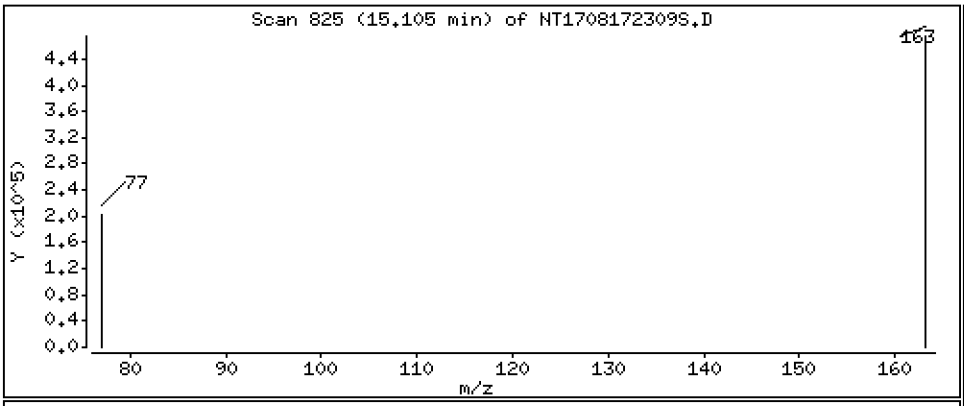
Operator: JGR

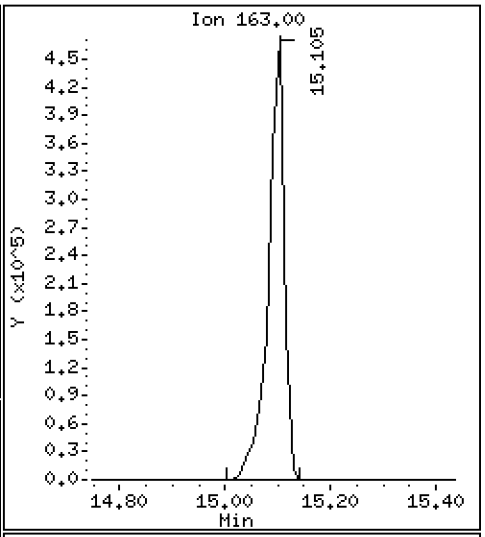
Column phase: ZB-5msi

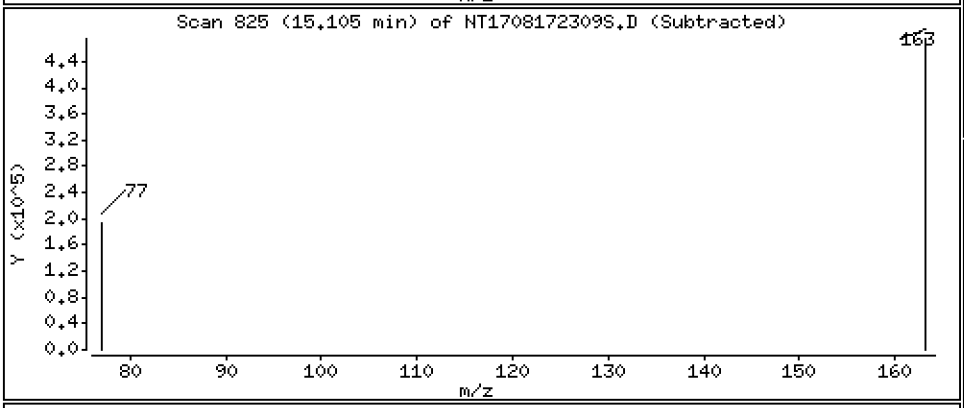
Column diameter: 0.25

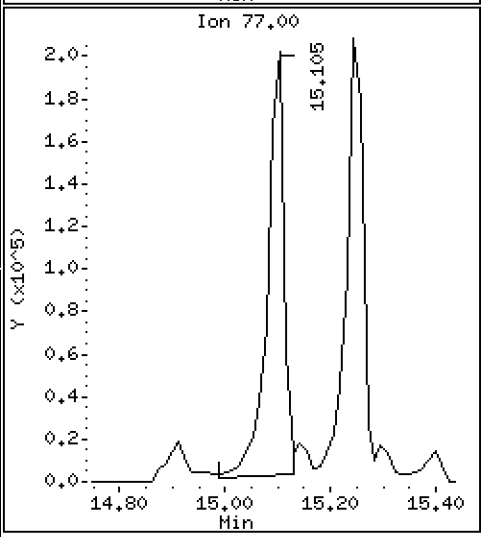
39 Dimethylphthalate

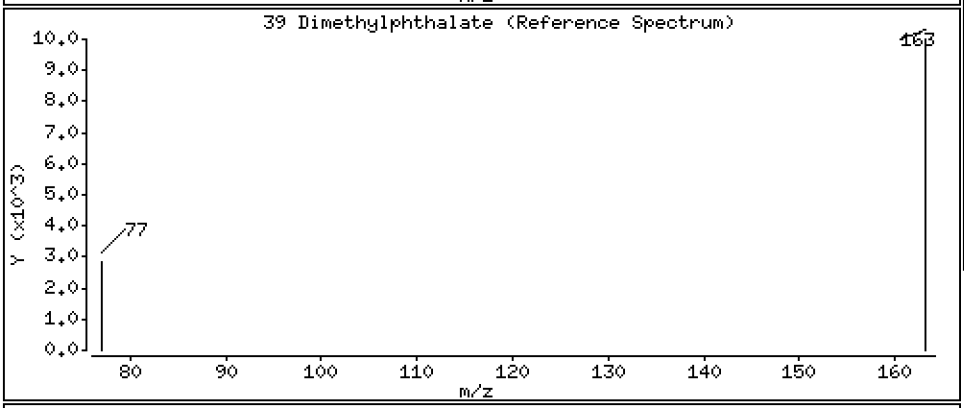
Concentration: 4.495 ug/mL

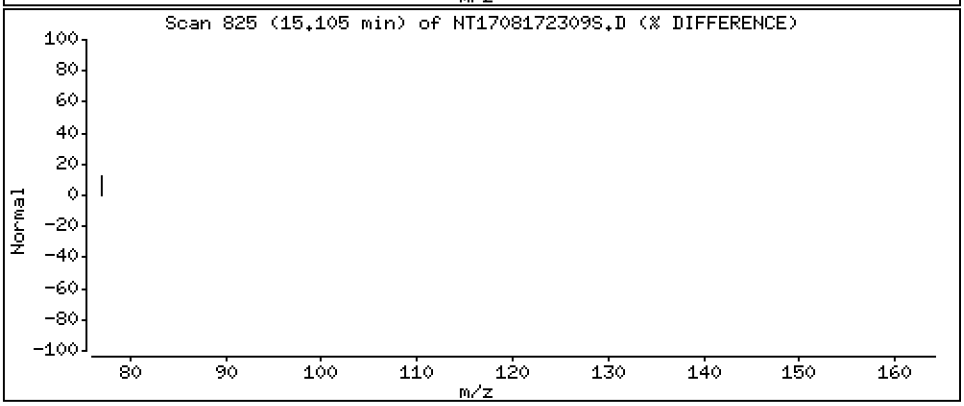












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Date : 18-AUG-2023 00:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MS1

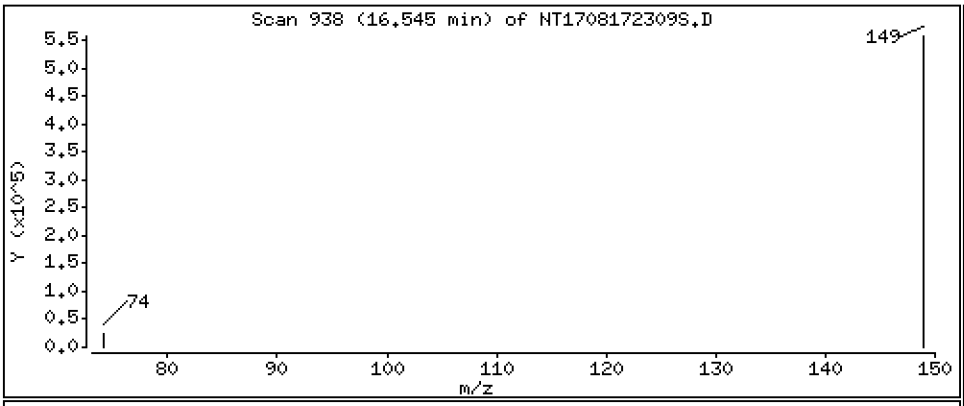
Operator: JGR

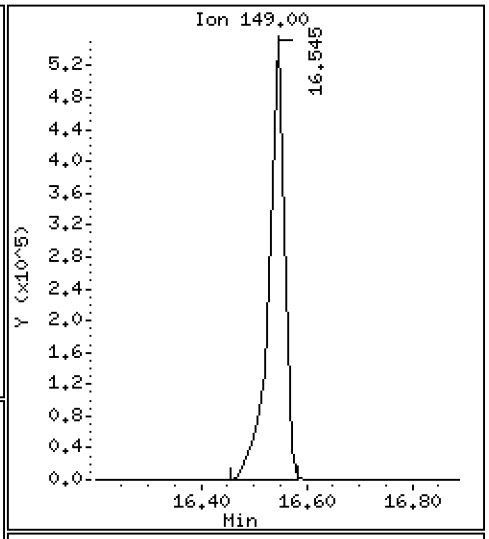
Column phase: ZB-5msi

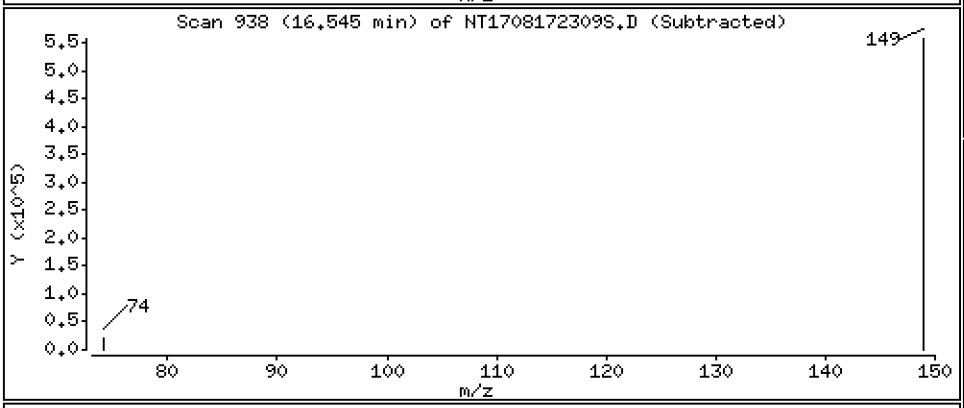
Column diameter: 0.25

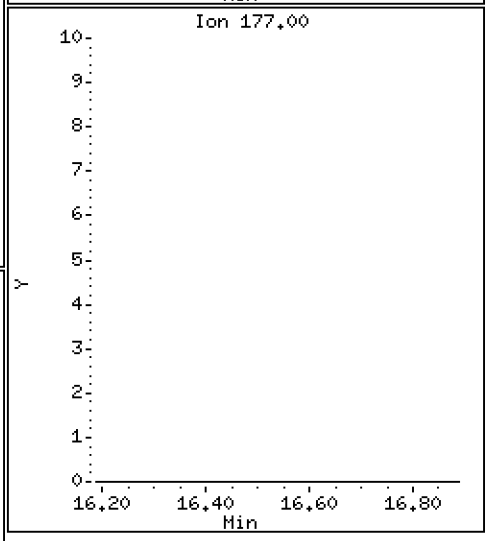
50 Diethylphthalate

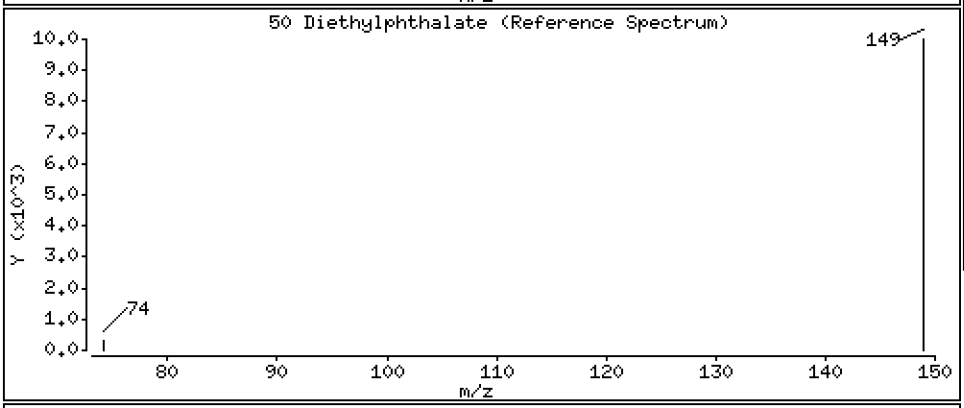
Concentration: 5.020 ug/mL

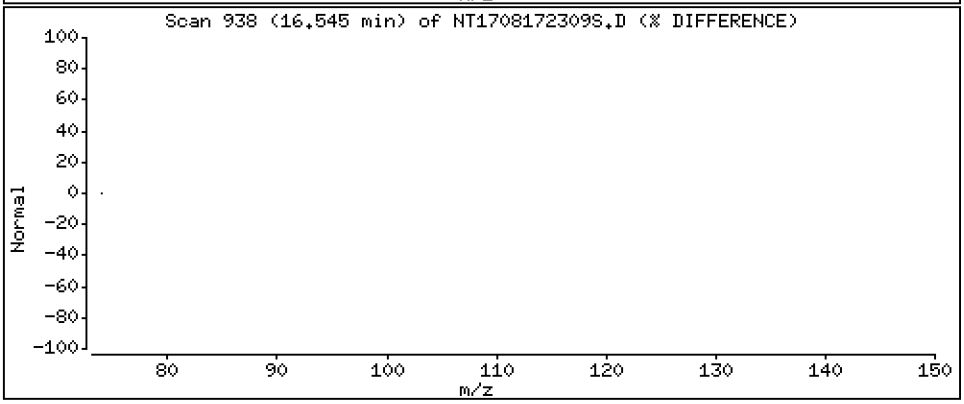












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Date : 18-AUG-2023 00:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MS1

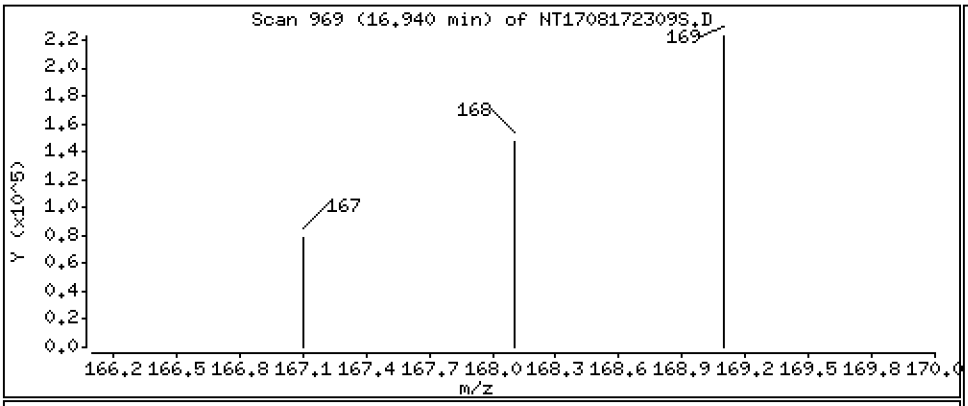
Operator: JGR

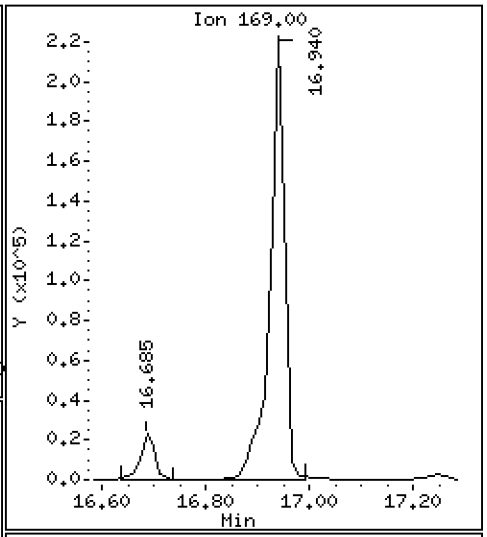
Column phase: ZB-5msi

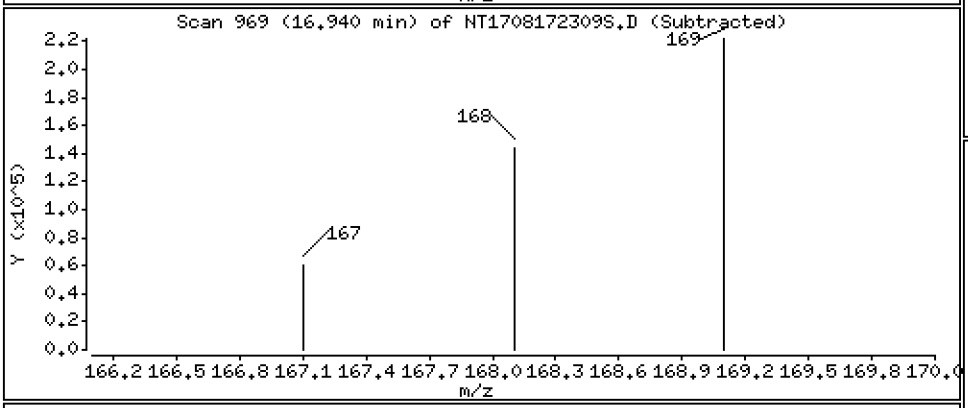
Column diameter: 0.25

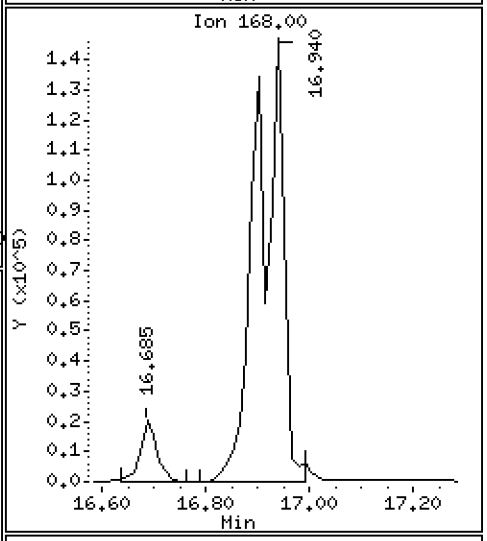
54 N-Nitrosodiphenylamine

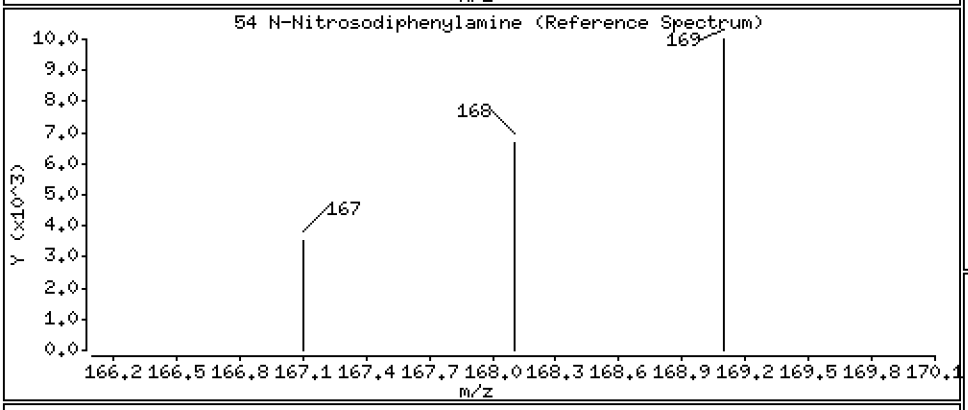
Concentration: 2.699 ug/mL

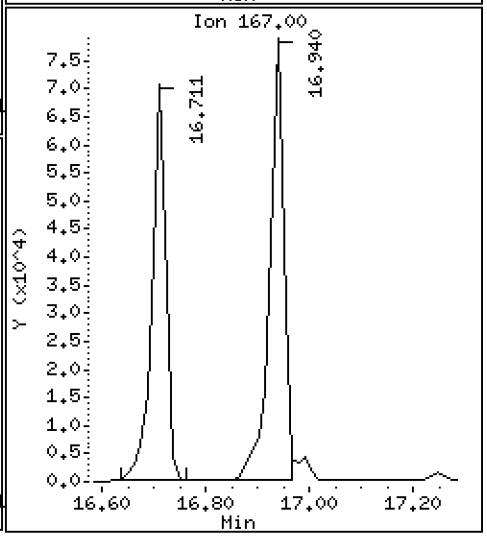


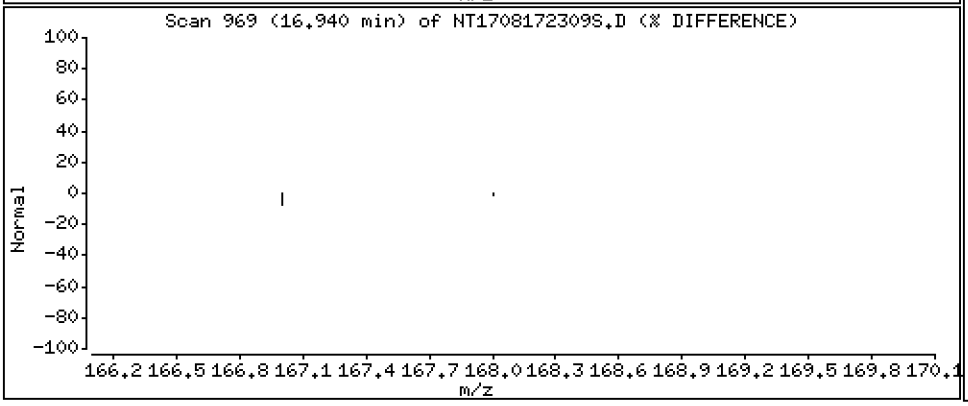












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Date : 18-AUG-2023 00:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MS1

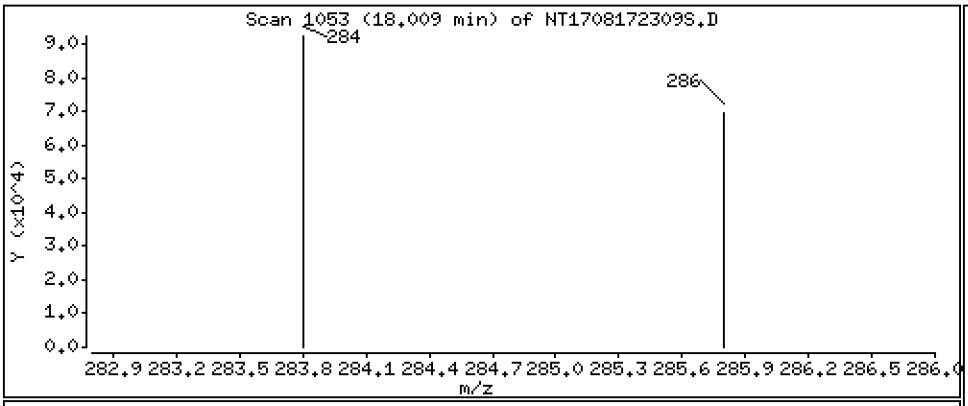
Operator: JGR

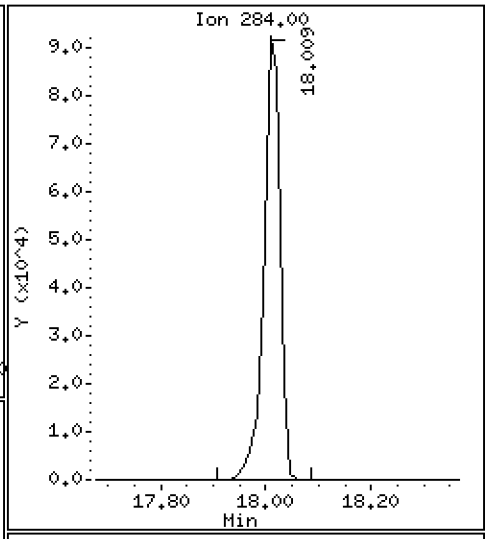
Column phase: ZB-5msi

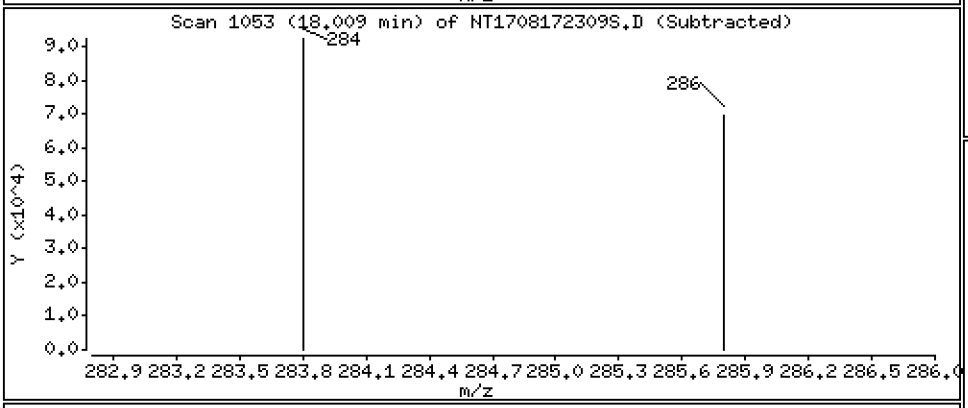
Column diameter: 0.25

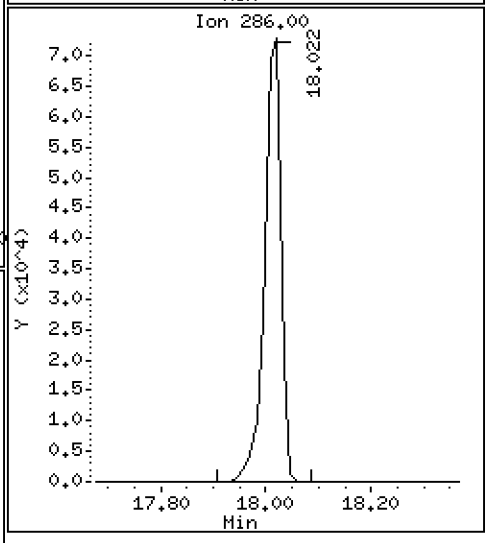
57 Hexachlorobenzene

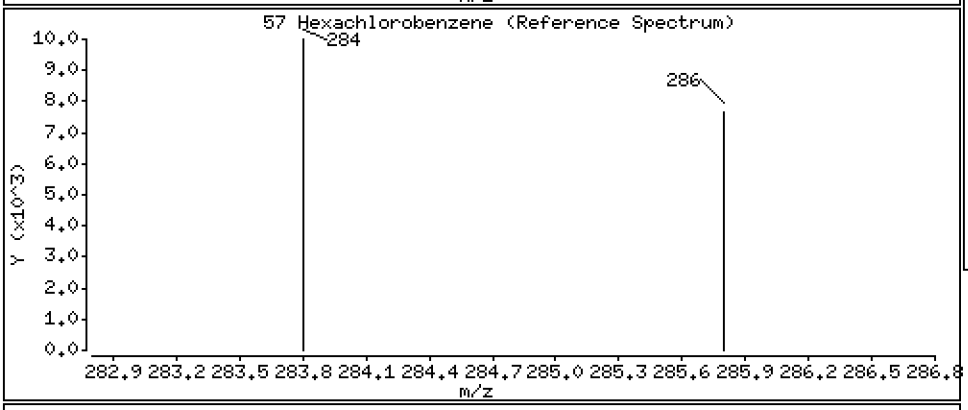
Concentration: 3.797 ug/mL

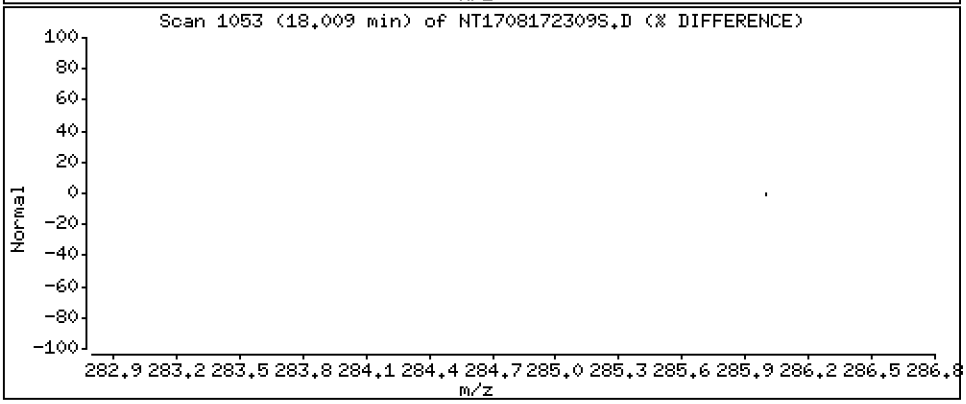












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Date : 18-AUG-2023 00:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MS1

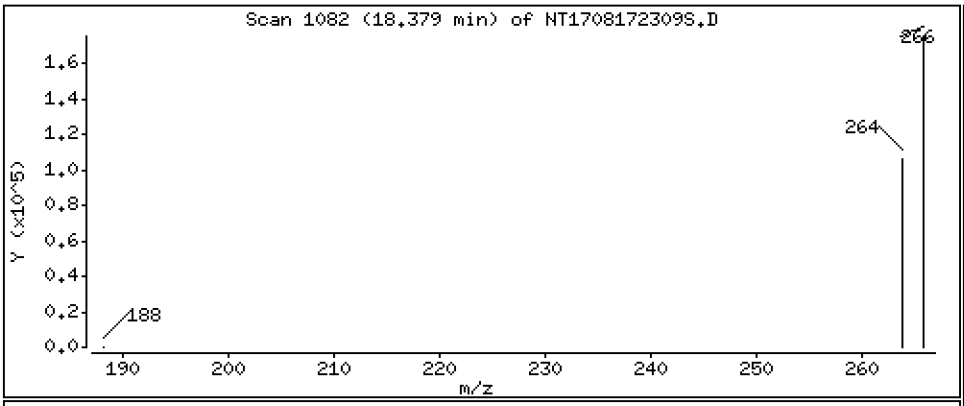
Operator: JGR

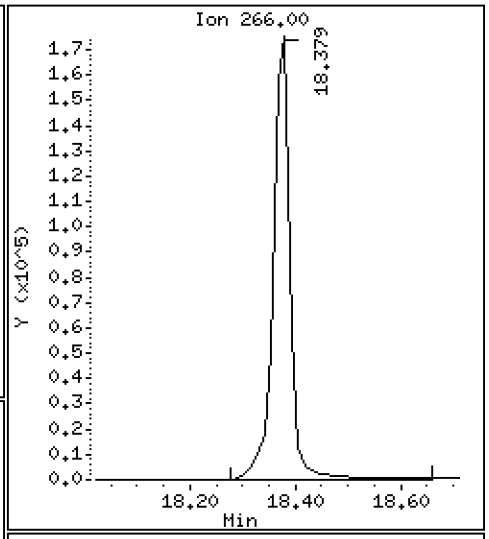
Column phase: ZB-5msi

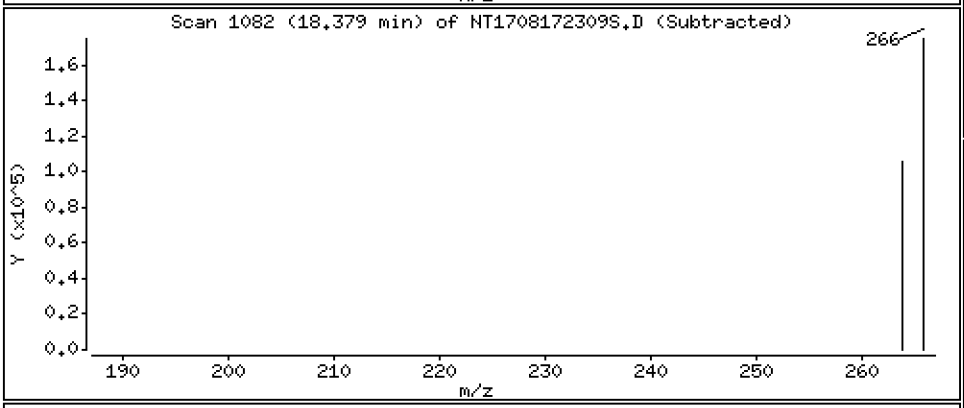
Column diameter: 0.25

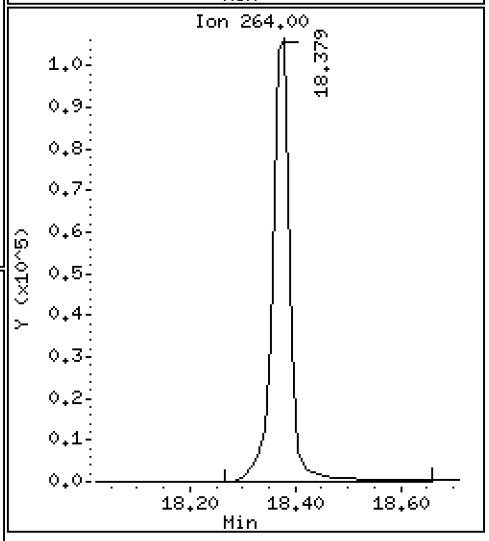
58 Pentachlorophenol

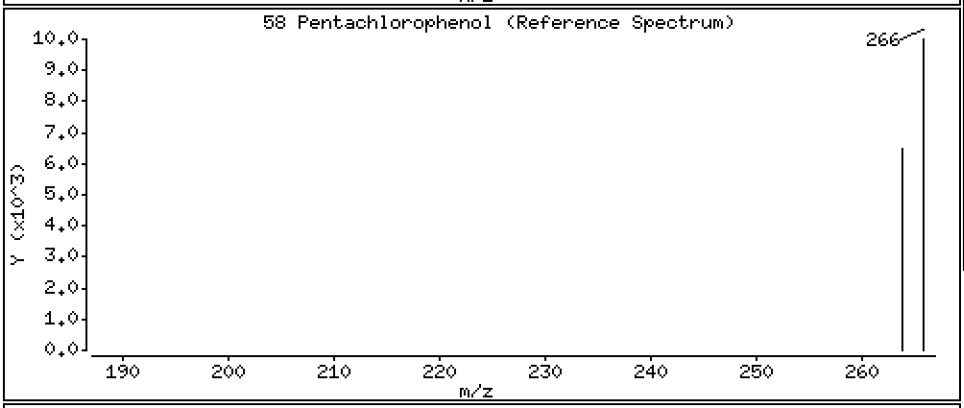
Concentration: 11.07 ug/mL

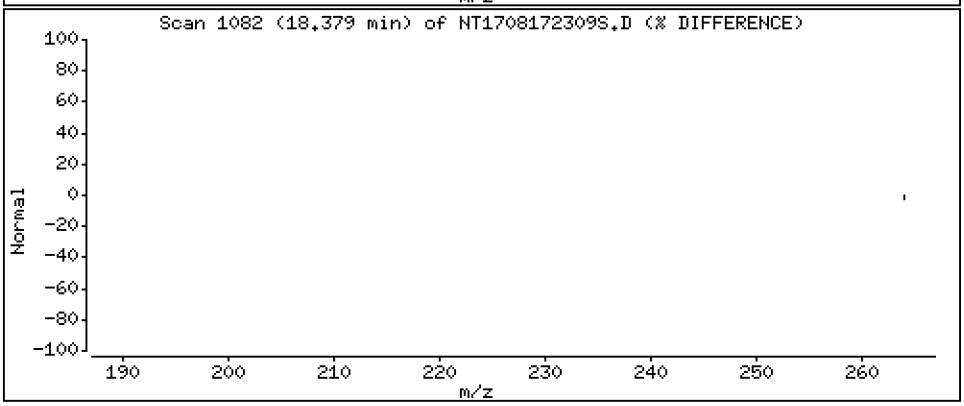












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Date : 18-AUG-2023 00:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MS1

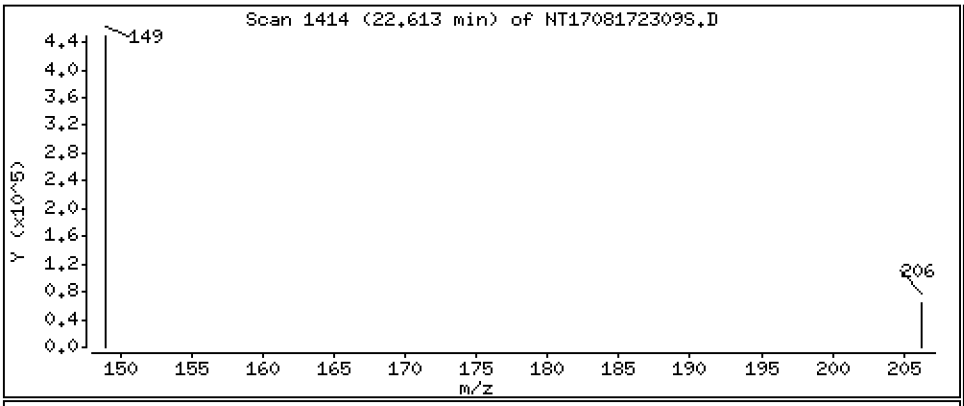
Operator: JGR

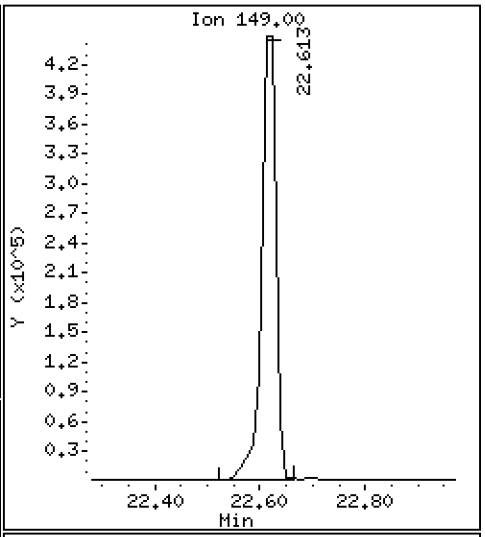
Column phase: ZB-5msi

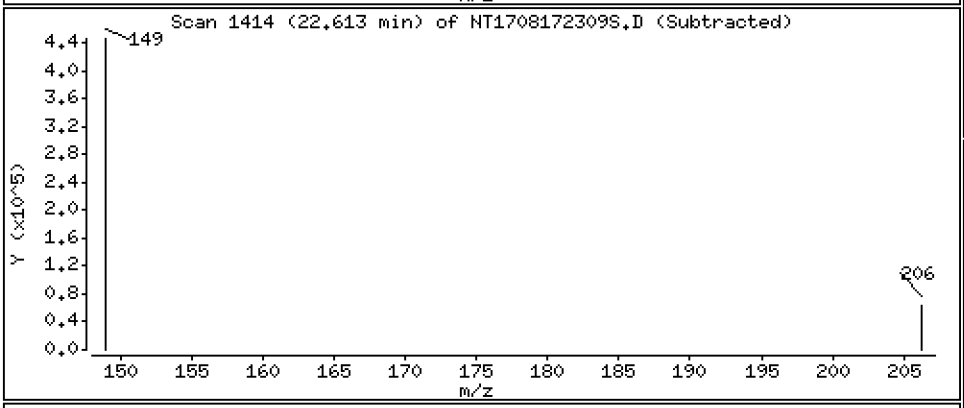
Column diameter: 0.25

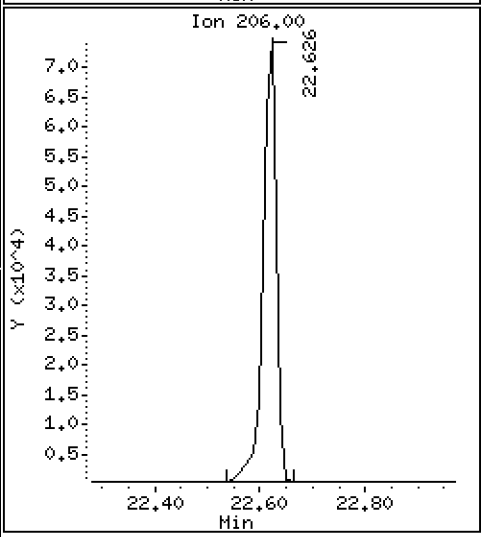
67 Butylbenzylphthalate

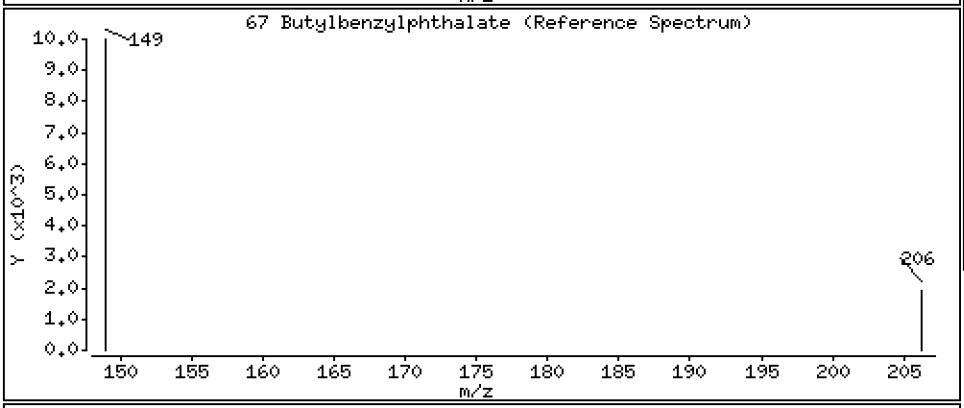
Concentration: 4.757 ug/mL

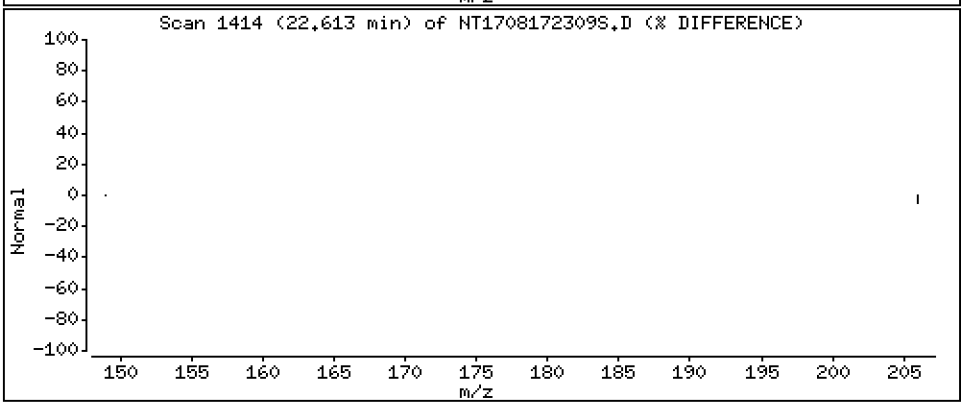












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Date : 18-AUG-2023 00:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MS1

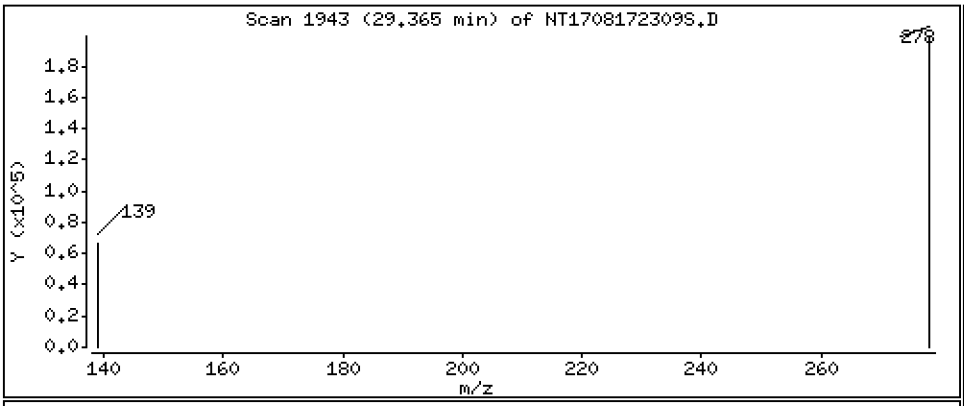
Operator: JGR

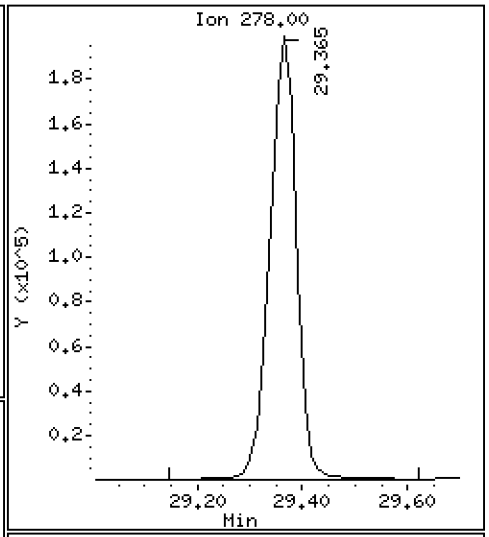
Column phase: ZB-5msi

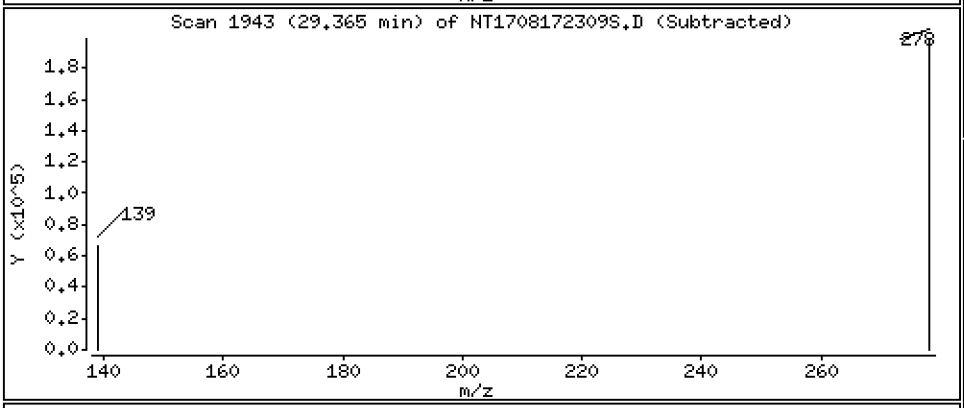
Column diameter: 0.25

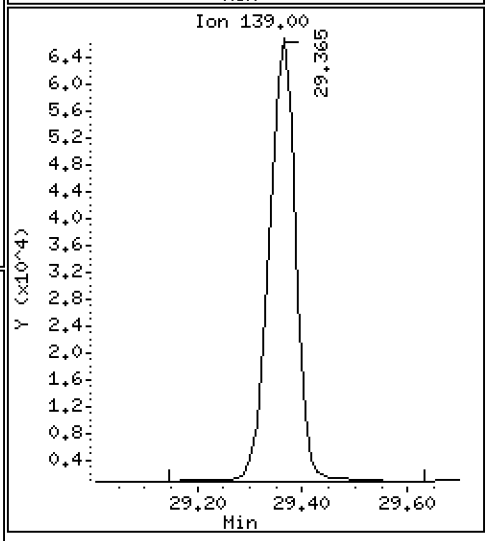
79 Dibenzo(a,h)anthracene

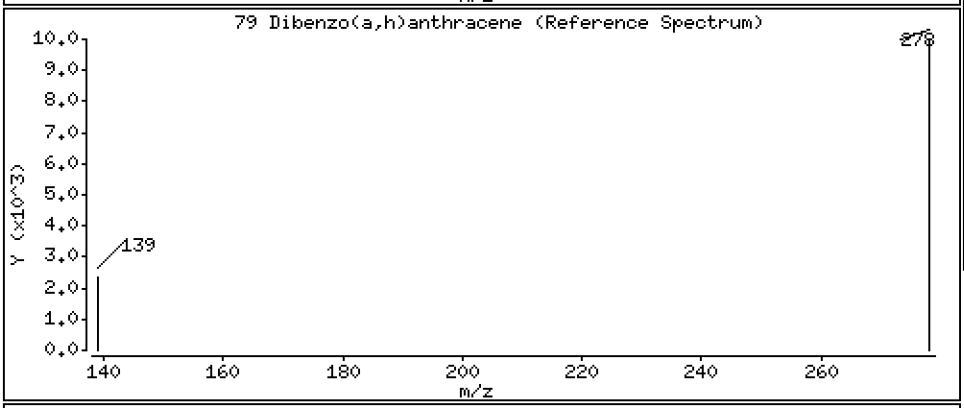
Concentration: 4.199 ug/mL

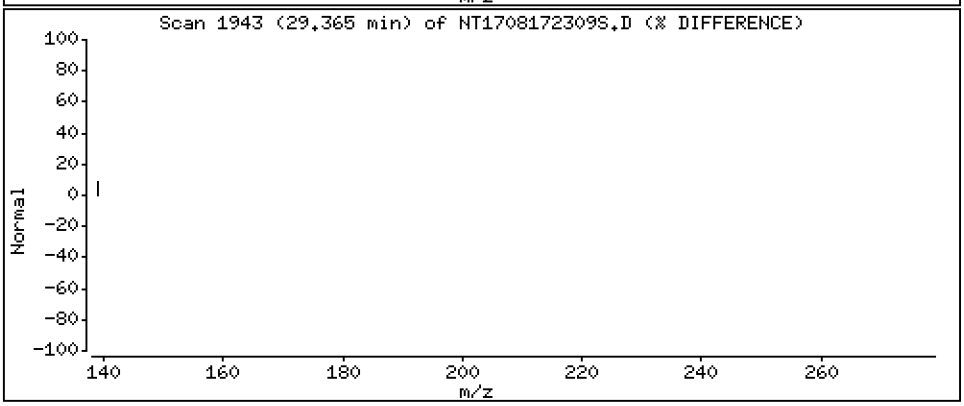












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Date : 18-AUG-2023 00:35

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MS1

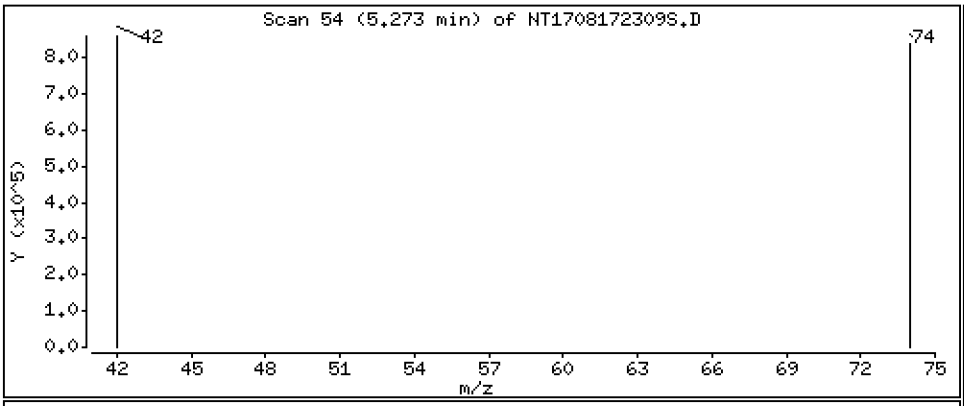
Operator: JGR

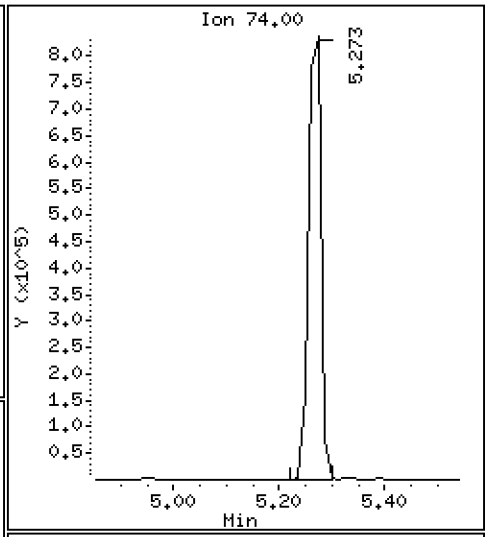
Column phase: ZB-5msi

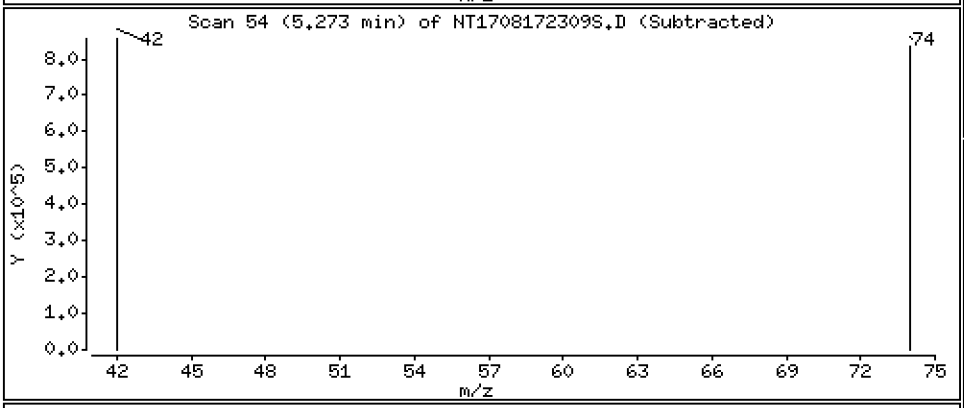
Column diameter: 0.25

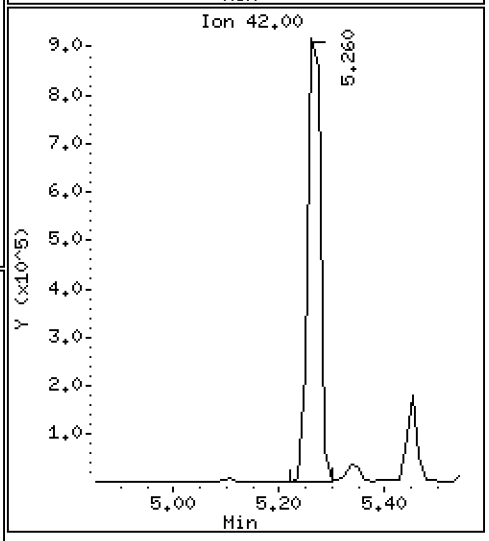
90 N-Nitrosodimethylamine

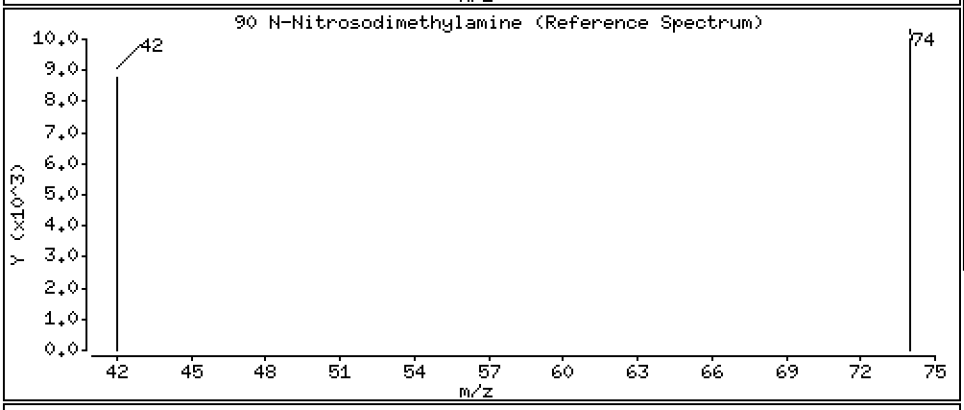
Concentration: 8.845 ug/mL

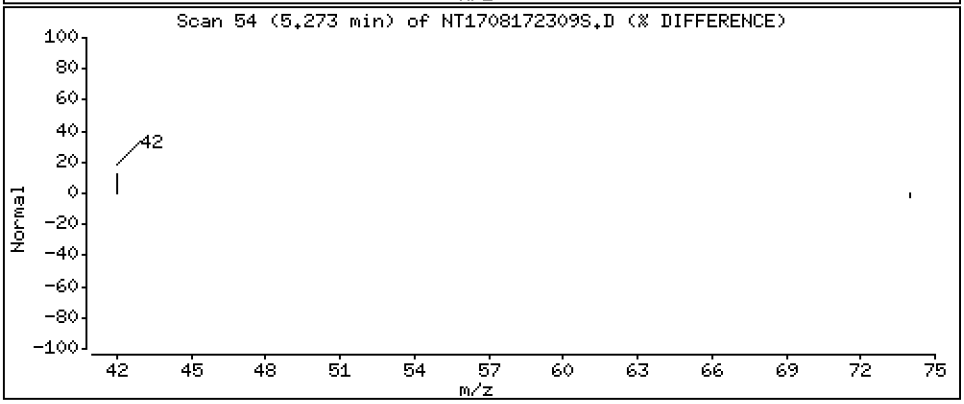












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172309S.D
Lab Smp Id: BLH0329-MS1
Inj Date : 18-AUG-2023 00:35
Operator : JGR Inst ID: nt17.i
Smp Info : BLH0329-MS1
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Meth Date : 19-Aug-2023 11:00 JoshuaR Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	7.298	7.285	(0.767)	802775	5.08905	5.089(R)
	3 Phenol	94	8.878	8.878	(0.933)	875739	3.64182	3.642
	7 1,3-Dichlorobenzene	146	9.451	9.451	(0.993)	528744	3.25067	3.251
*	8 1,4-Dichlorobenzene-d4	152	9.515	9.515	(1.000)	379906	4.00000	
	9 1,4-Dichlorobenzene	146	9.541	9.554	(1.003)	515638	3.27567	3.276
	11 Benzyl alcohol	79	9.809	9.784	(1.031)	627179	3.76828	3.768
	12 1,2-Dichlorobenzene	146	9.899	9.911	(1.040)	510229	3.34144	3.341
	13 2-Methylphenol	108	9.988	9.988	(1.050)	323125	2.21610	2.216
	15 4-Methylphenol	108	10.269	10.256	(1.079)	441664	2.89815	2.898
	16 N-Nitroso-di-n-propylamine	70	10.333	10.333	(1.086)	650224	4.17237	4.172
	22 2,4-Dimethylphenol	107	11.304	11.304	(0.943)	265425	1.71448	1.714
	24 Benzoic acid	105	11.559	11.431	(0.964)	3307077	28.0587	28.06
	26 1,2,4-Trichlorobenzene	180	11.904	11.916	(0.993)	345875	3.26985	3.270
*	27 Naphthalene-d8	136	11.993	12.005	(1.000)	1542965	4.00000	
	30 Hexachlorobutadiene	225	12.388	12.388	(1.033)	174664	3.52597	3.526
	39 Dimethylphthalate	163	15.104	15.091	(0.967)	990237	4.49550	4.495
*	42 Acenaphthene-d10	162	15.614	15.614	(1.000)	677725	4.00000	
	50 Diethylphthalate	149	16.545	16.545	(1.060)	1149654	5.01952	5.020
	54 N-Nitrosodiphenylamine	169	16.939	16.939	(0.908)	430550	2.69930	2.699
	57 Hexachlorobenzene	284	18.009	18.021	(0.966)	198443	3.79731	3.797
	58 Pentachlorophenol	266	18.379	18.366	(0.986)	392753	11.0749	11.07
*	59 Phenanthrene-d10	188	18.646	18.646	(1.000)	1109479	4.00000	
$	66 Terphenyl-d14	244	21.720	21.720	(0.920)	469590	4.95536	4.955(R)
	67 Butylbenzylphthalate	149	22.613	22.625	(0.957)	864323	4.75651	4.757
*	69 Chrysene-d12	240	23.620	23.620	(1.000)	684799	4.00000	
*	77 Perylene-d12	264	26.414	26.414	(1.000)	564050	4.00000	
	79 Dibenzo(a,h)anthracene	278	29.365	29.352	(1.112)	699582	4.19915	4.199
	90 N-Nitrosodimethylamine	74	5.272	5.196	(0.554)	1419680	8.84465	8.845

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i Calibration Date: 17-AUG-2023
Lab File ID: NT1708172309S.D Calibration Time: 20:49
Lab Smp Id: BLH0329-MS1
Analysis Type: SV Level:
Quant Type: ISTD Sample Type:
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Misc Info:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	348452	174226	696904	379906	9.03
27 Naphthalene-d8	1404170	702085	2808340	1542965	9.88
42 Acenaphthene-d10	619161	309581	1238322	677725	9.46
59 Phenanthrene-d10	992768	496384	1985536	1109479	11.76
69 Chrysene-d12	642334	321167	1284668	684799	6.61
77 Perylene-d12	573362	286681	1146724	564050	-1.62

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.52	9.02	10.02	9.52	0.00
27 Naphthalene-d8	12.01	11.51	12.51	11.99	-0.11
42 Acenaphthene-d10	15.61	15.11	16.11	15.61	0.00
59 Phenanthrene-d10	18.65	18.15	19.15	18.65	0.00
69 Chrysene-d12	23.62	23.12	24.12	23.62	0.00
77 Perylene-d12	26.41	25.91	26.91	26.41	0.00

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

REVIEW SUMMARY FOR FILE - NT1708172309S.D

Lab ID: BLH0329-MS1
nt17.i, 20230817.b\SIM.b\SIMABN2.m,   18-AUG-2023 00:35

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.964	0.952	0.0116	Benzoic acid
0.554	0.546	0.0080	N-Nitrosodimethylamine

RRT check based on Ccal File: SIM.b/NT1708172303S.D

On Column LOD for nt17.i, SIM.b\SIMABN2.m, PSDDA.sub = 0.0000

Exception: 1,2,4-Trichlorobenzene 0.0010

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

Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT17081723105.D

Date : 18-AUG-2023 01:12

Client ID:

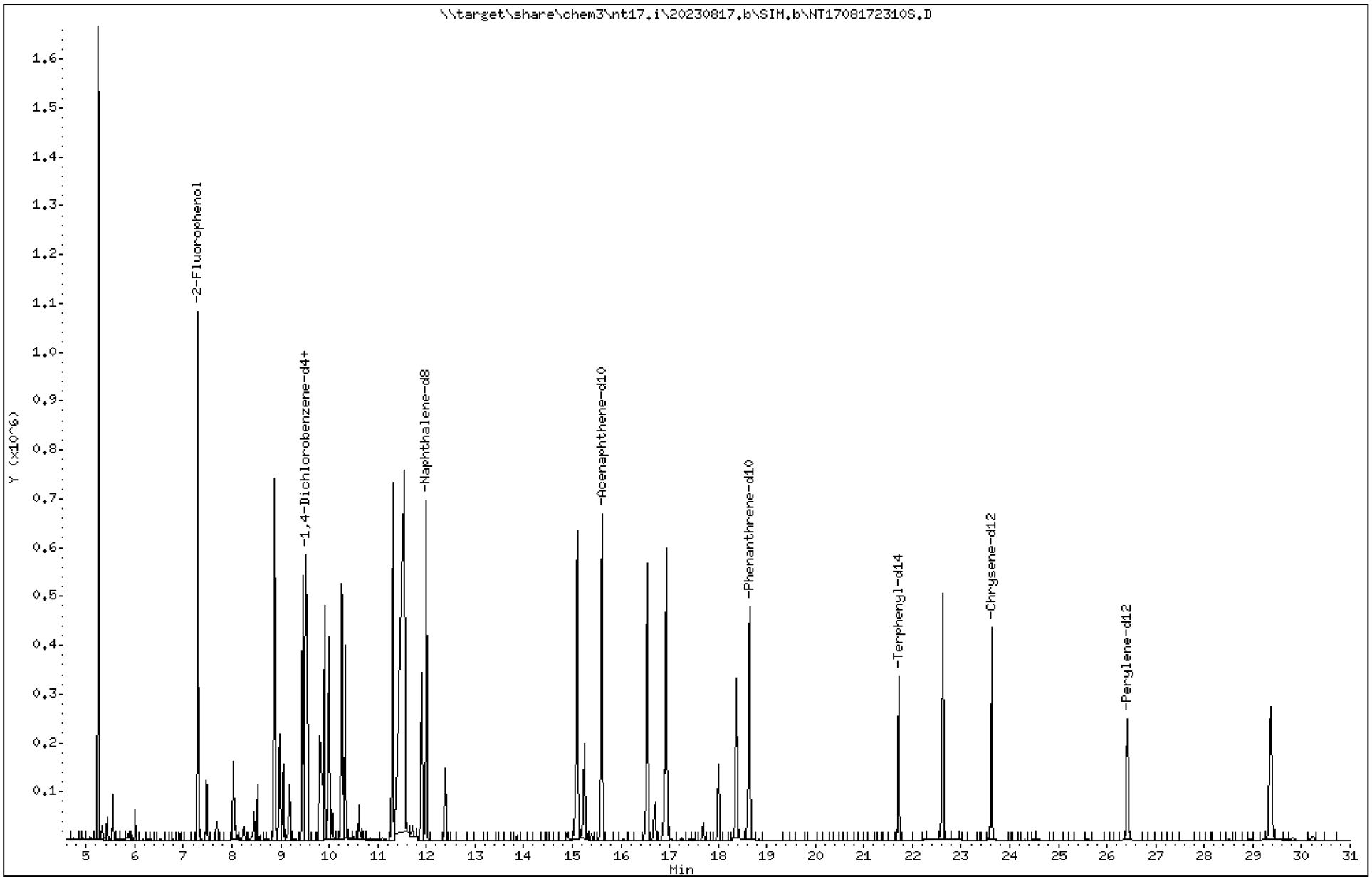
Instrument: nt17.i

Sample Info: BLH0329-MSD1

Operator: JGR

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 18-AUG-2023 01:12

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MSD1

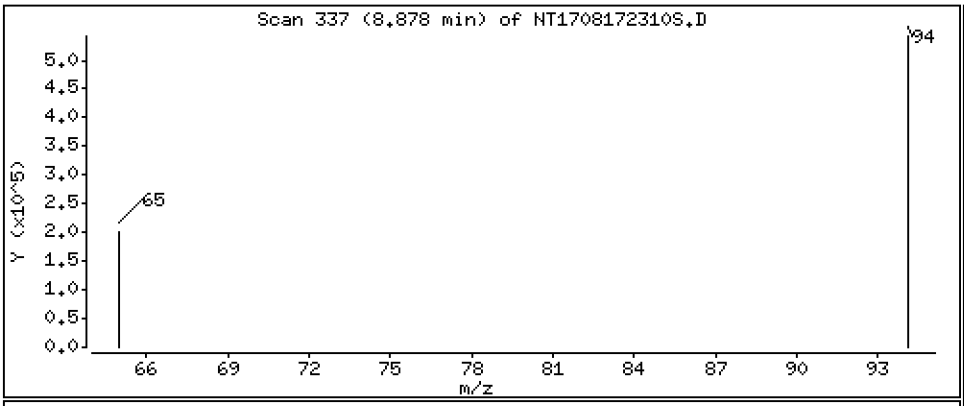
Operator: JGR

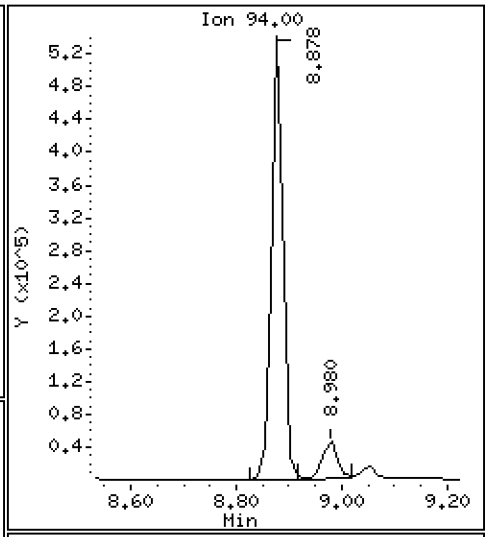
Column phase: ZB-5msi

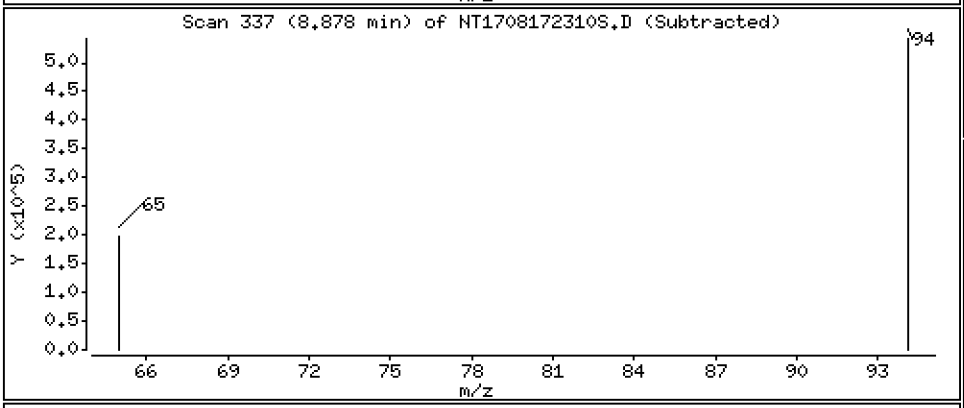
Column diameter: 0.25

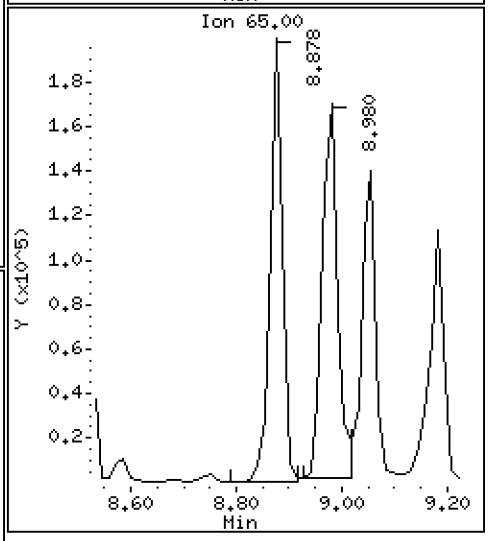
3 Phenol

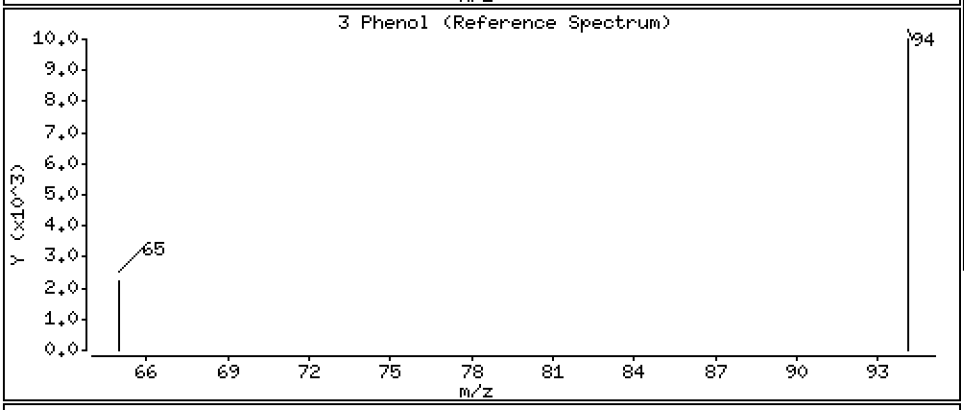
Concentration: 3.758 ug/mL

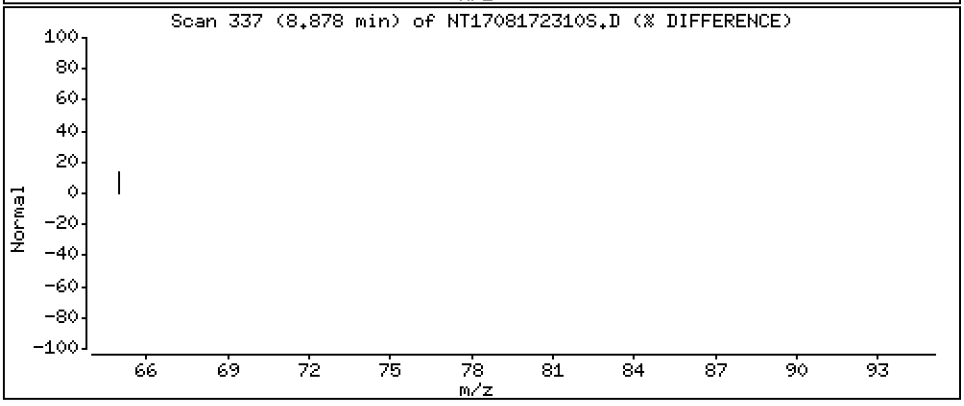












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Date : 18-AUG-2023 01:12

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MSD1

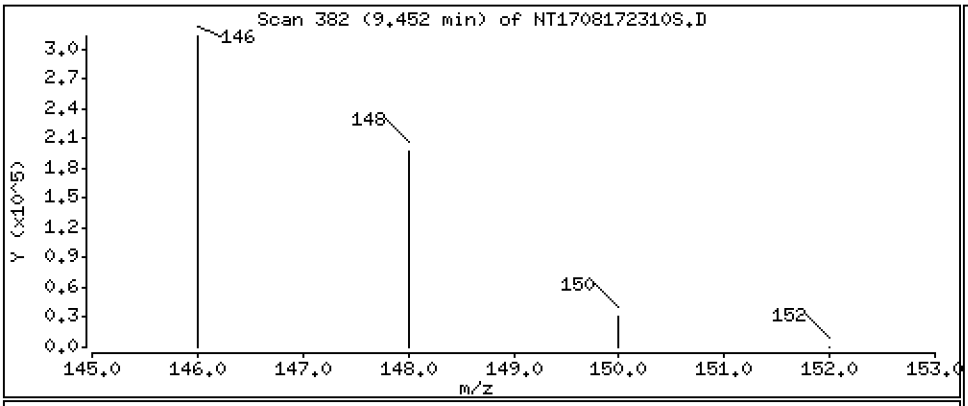
Operator: JGR

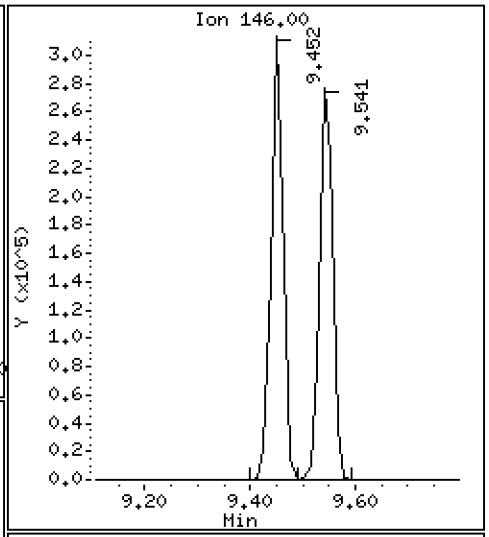
Column phase: ZB-5msi

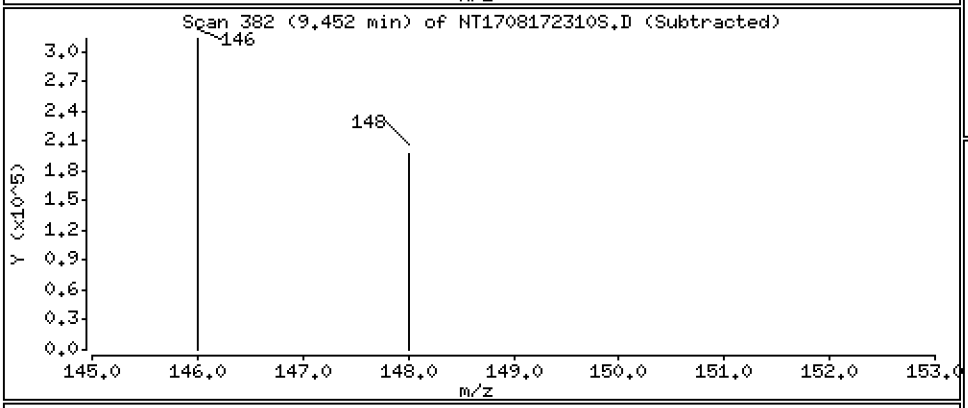
Column diameter: 0.25

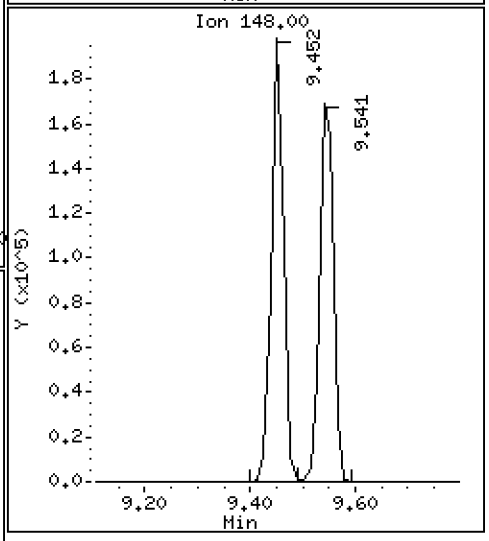
7 1,3-Dichlorobenzene

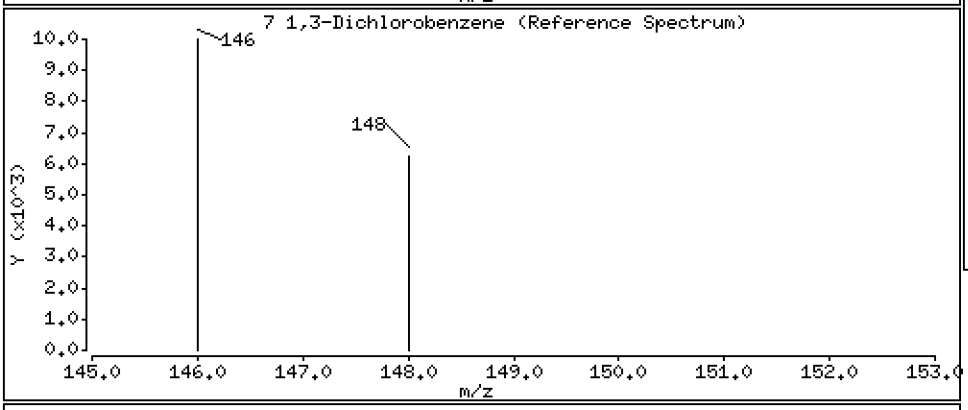
Concentration: 3.266 ug/mL

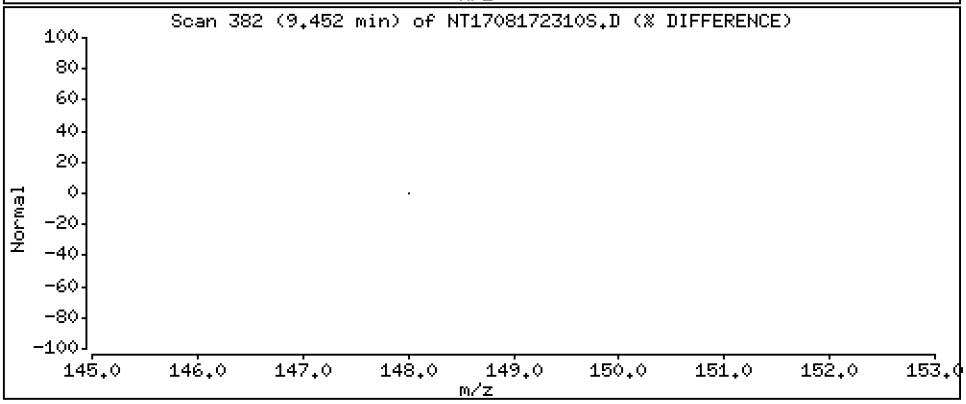












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Date : 18-AUG-2023 01:12

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MSD1

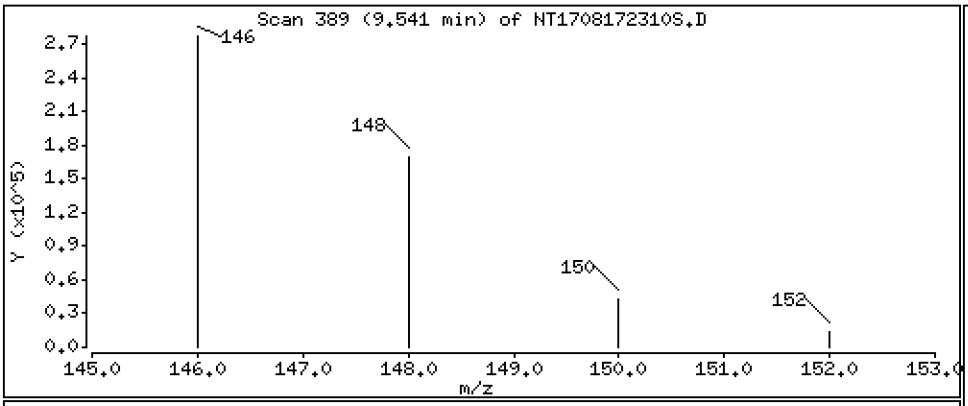
Operator: JGR

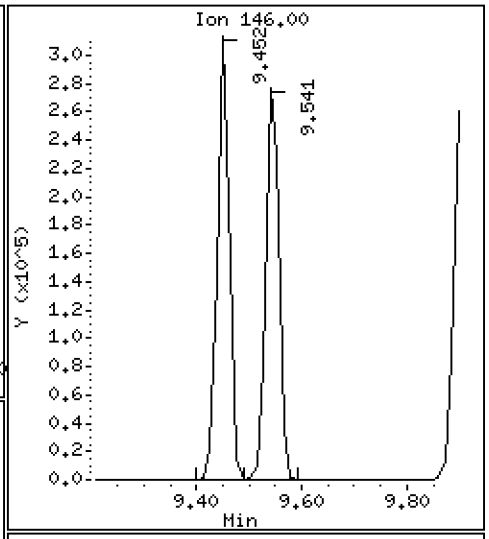
Column phase: ZB-5msi

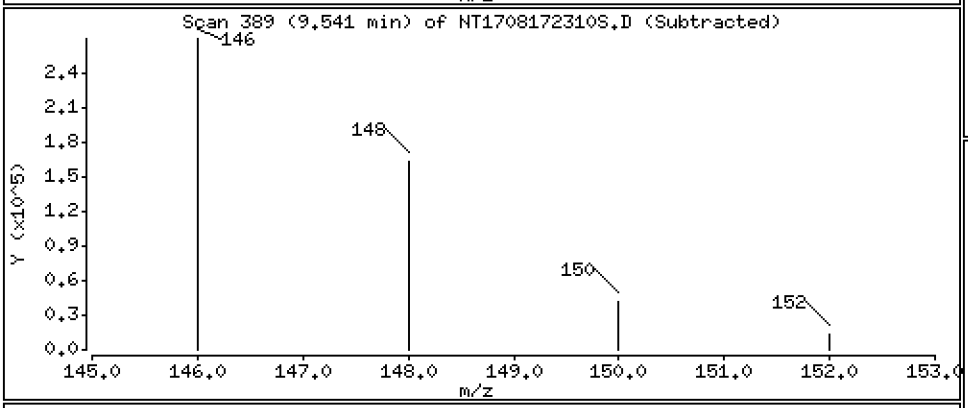
Column diameter: 0.25

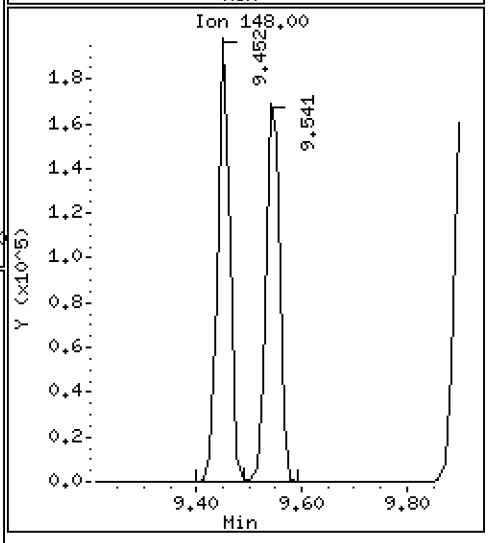
9 1,4-Dichlorobenzene

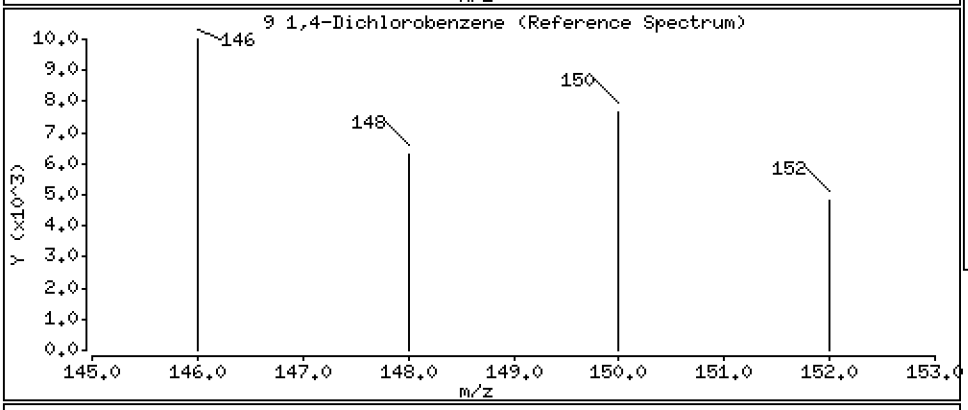
Concentration: 3.305 ug/mL

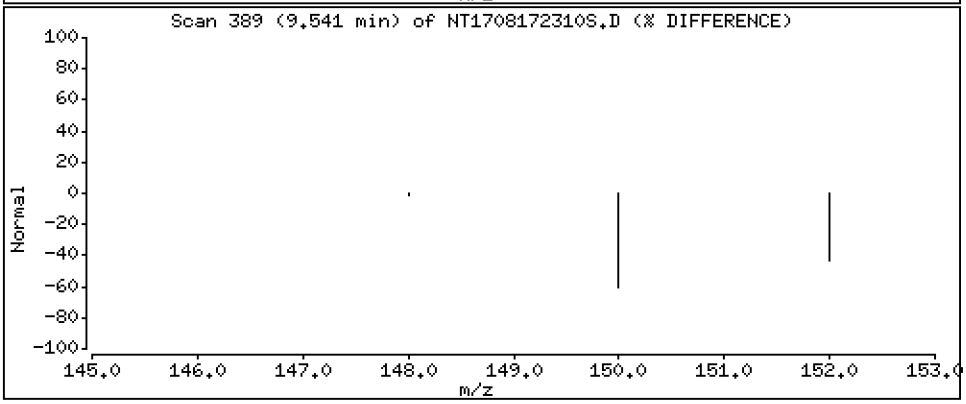












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Date : 18-AUG-2023 01:12

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MSD1

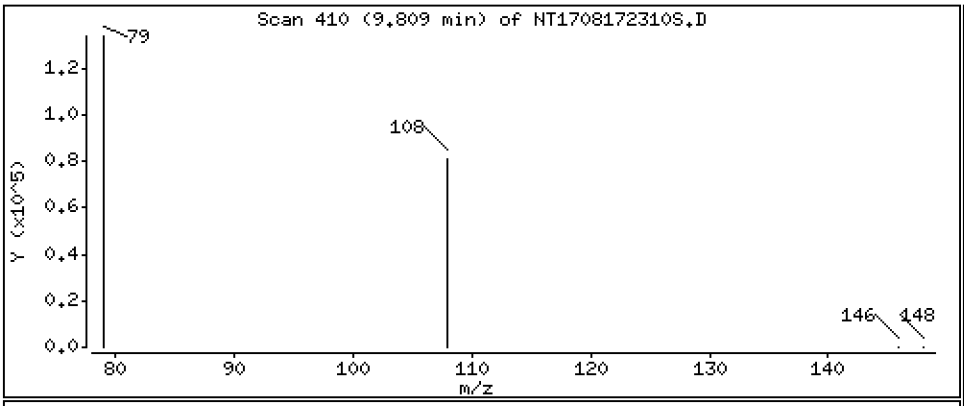
Operator: JGR

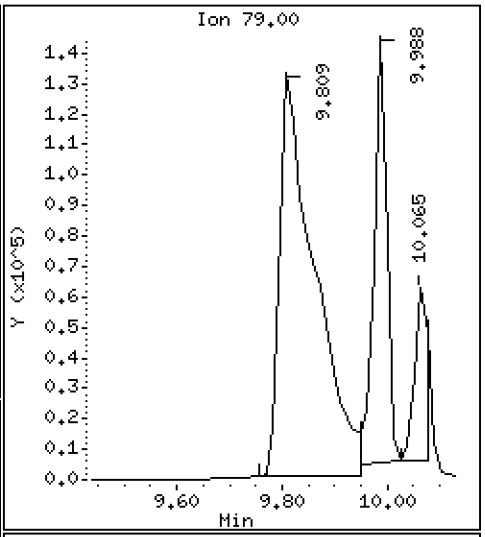
Column phase: ZB-5msi

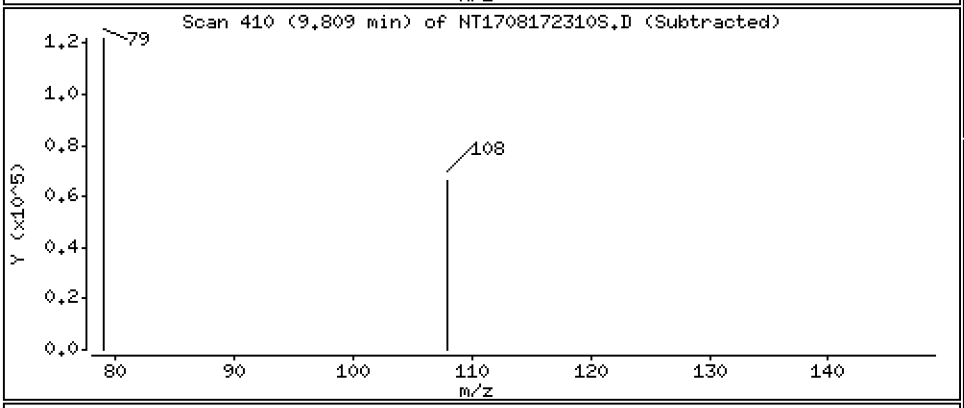
Column diameter: 0.25

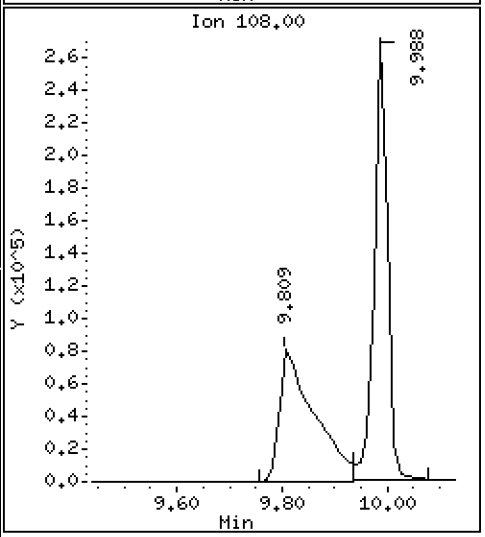
11 Benzyl alcohol

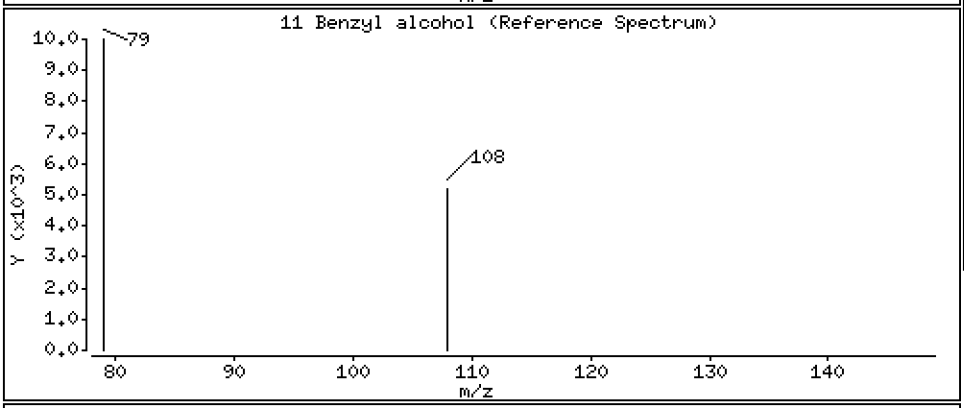
Concentration: 3.964 ug/mL

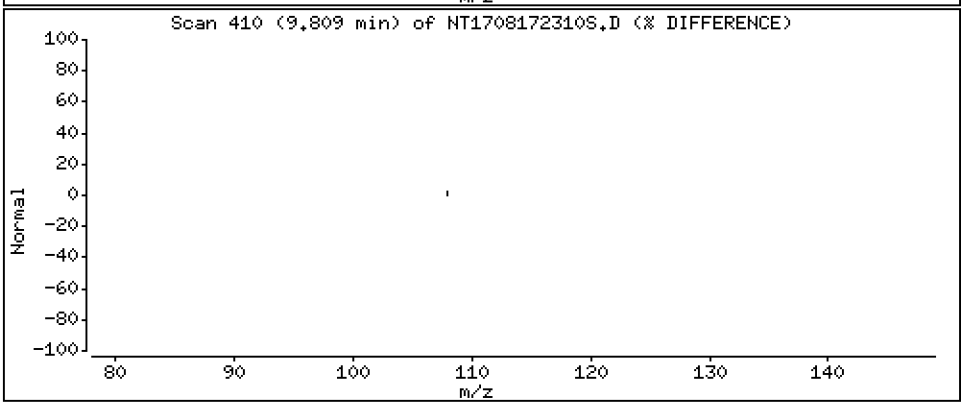












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172310S.D

Date : 18-AUG-2023 01:12

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MSD1

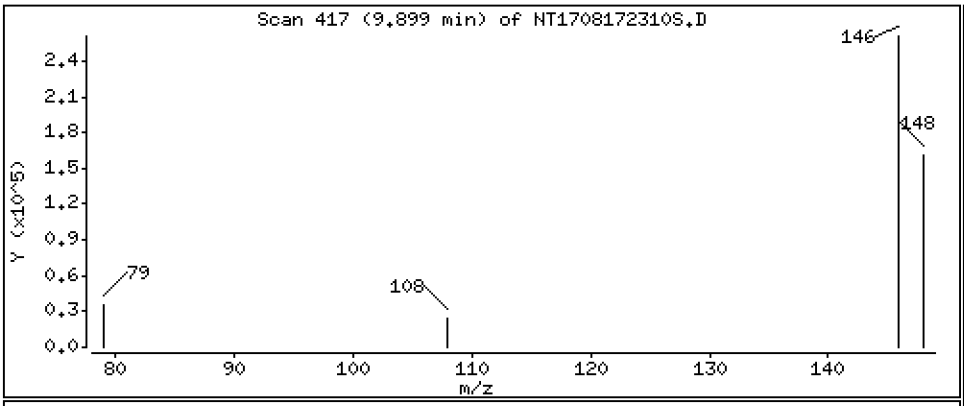
Operator: JGR

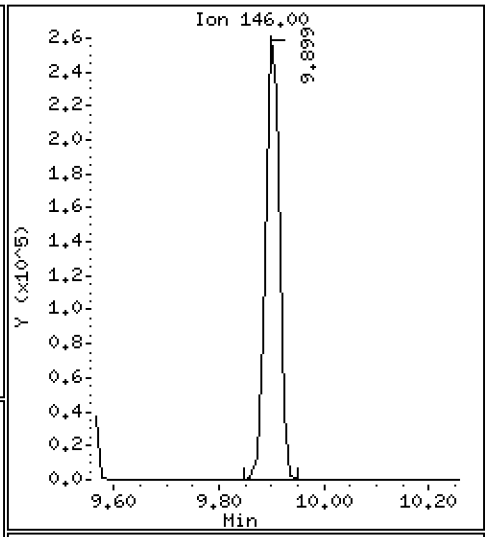
Column phase: ZB-5msi

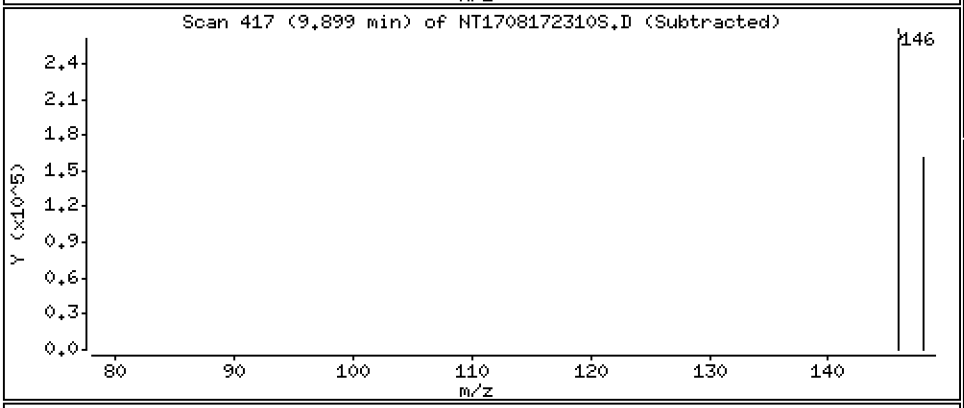
Column diameter: 0.25

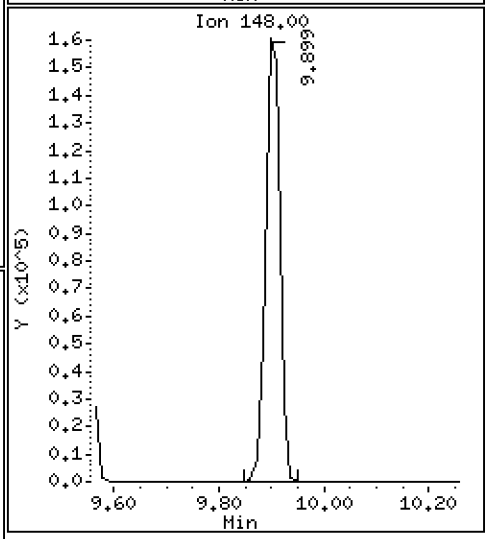
12 1,2-Dichlorobenzene

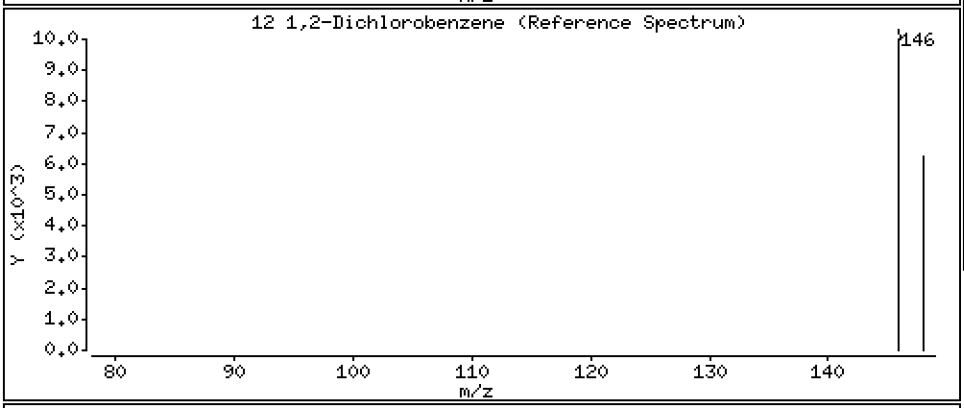
Concentration: 3.384 ug/mL

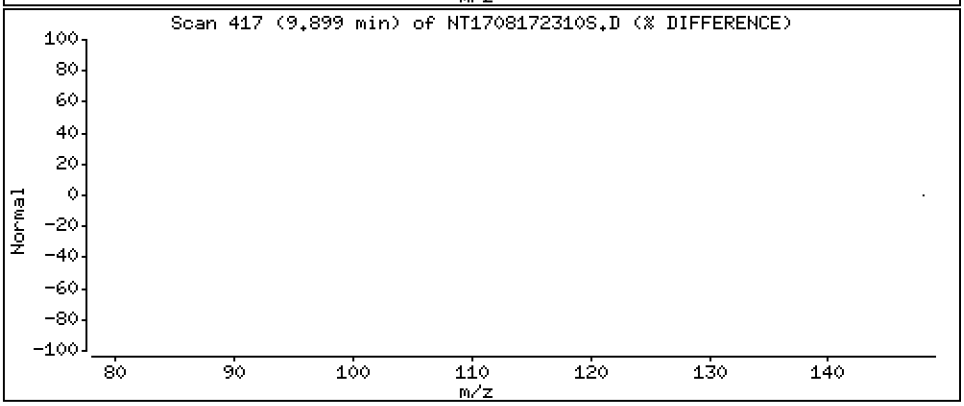












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172310S.D

Date : 18-AUG-2023 01:12

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MSD1

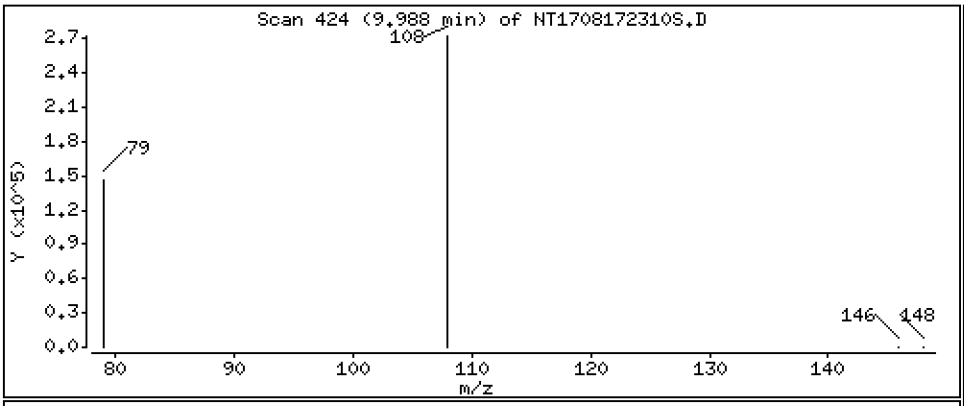
Operator: JGR

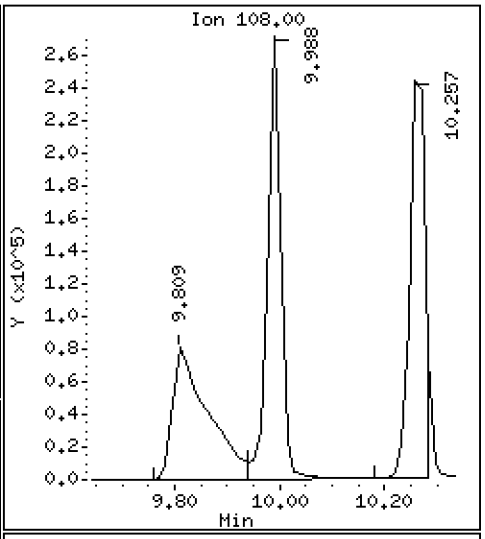
Column phase: ZB-5msi

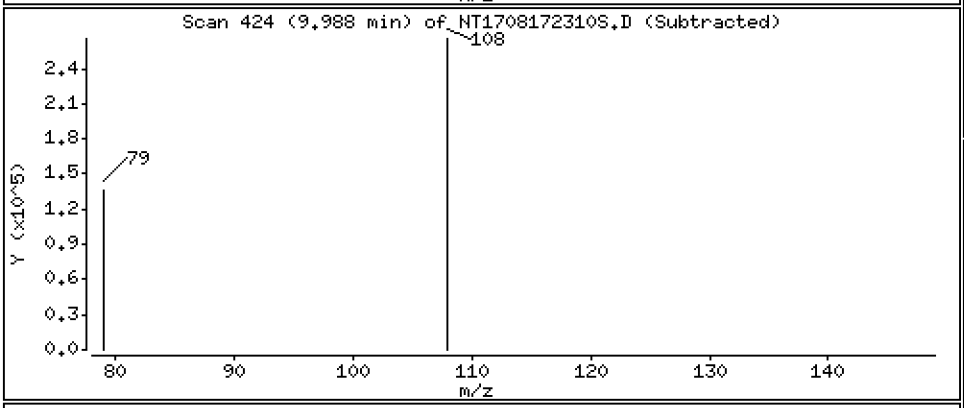
Column diameter: 0.25

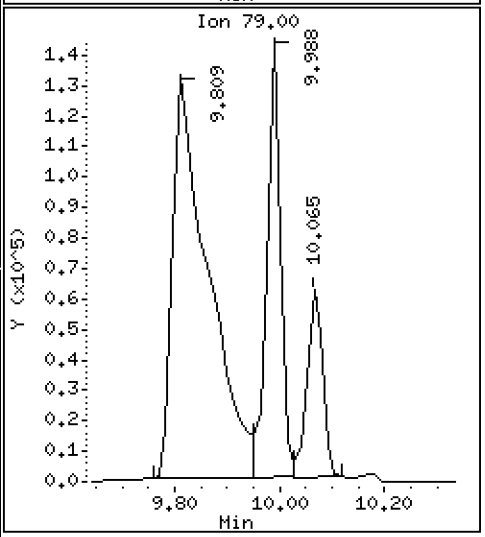
13 2-Methylphenol

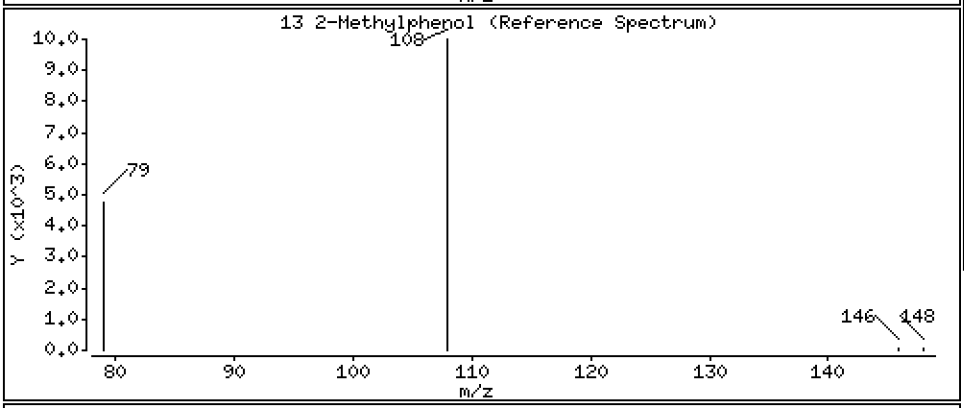
Concentration: 3.562 ug/mL

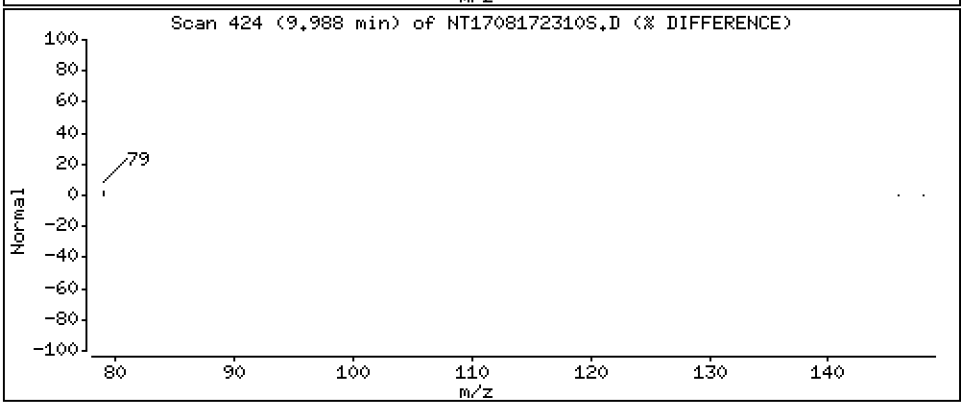












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Date : 18-AUG-2023 01:12

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MSD1

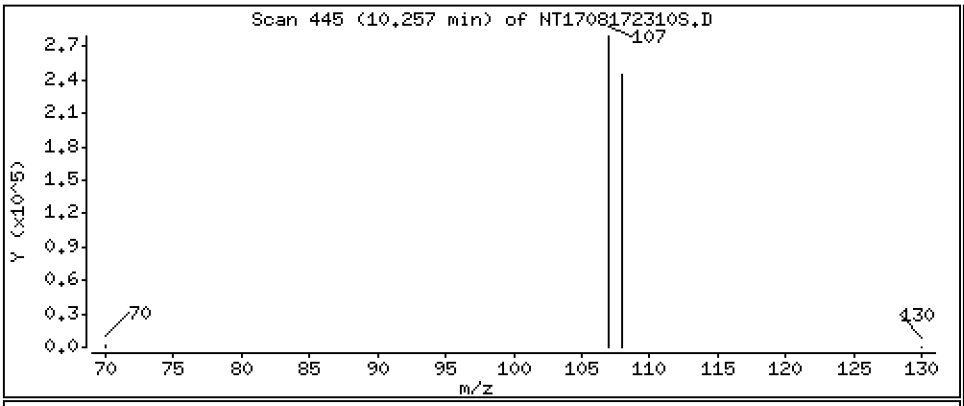
Operator: JGR

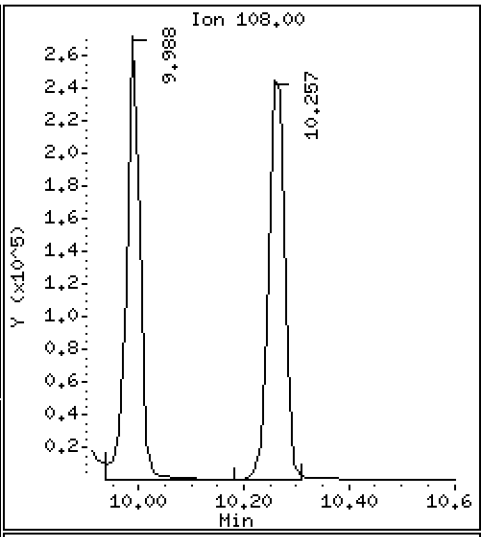
Column phase: ZB-5msi

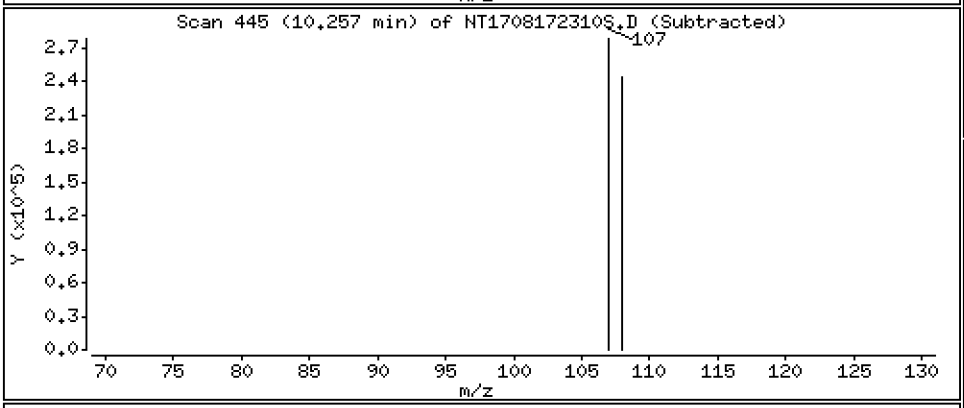
Column diameter: 0.25

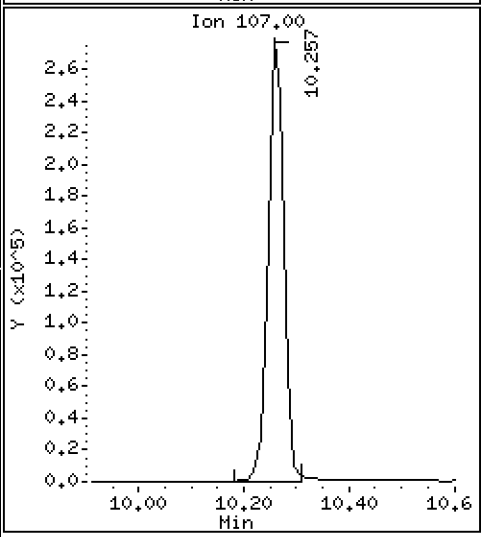
15 4-Methylphenol

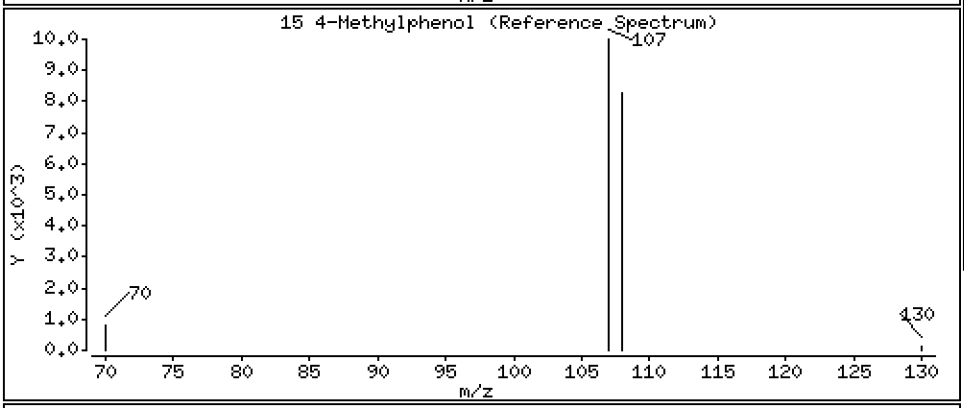
Concentration: 3.709 ug/mL

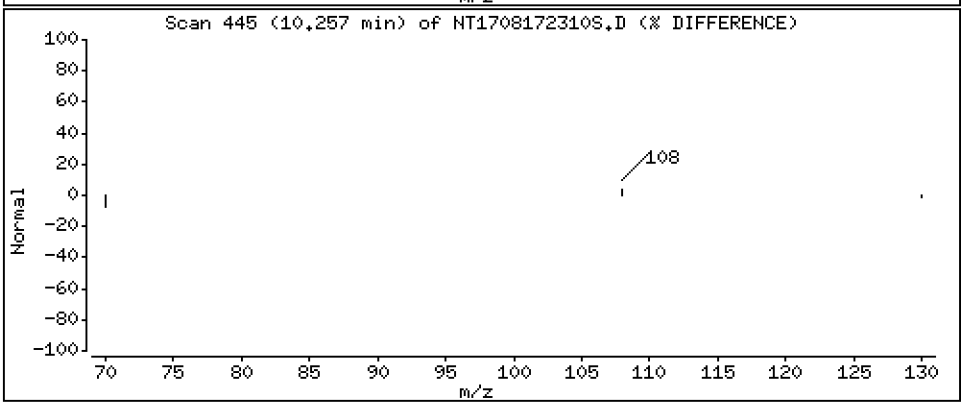












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Date : 18-AUG-2023 01:12

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MSD1

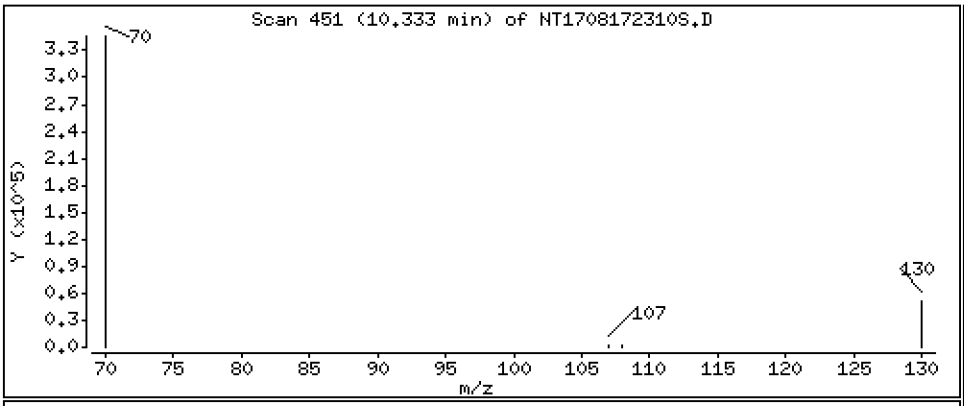
Operator: JGR

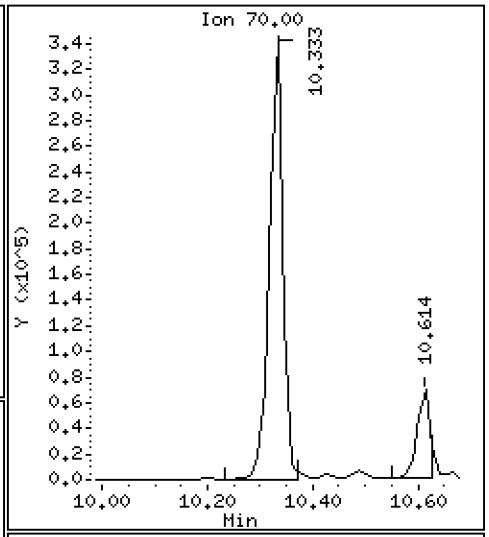
Column phase: ZB-5msi

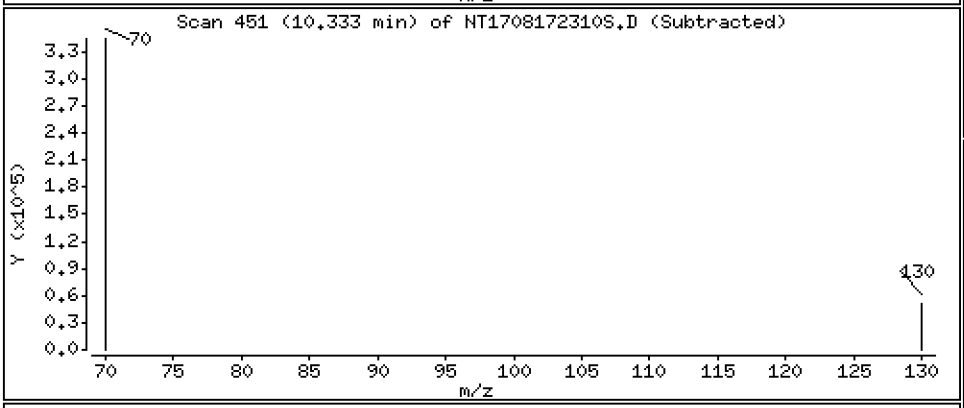
Column diameter: 0.25

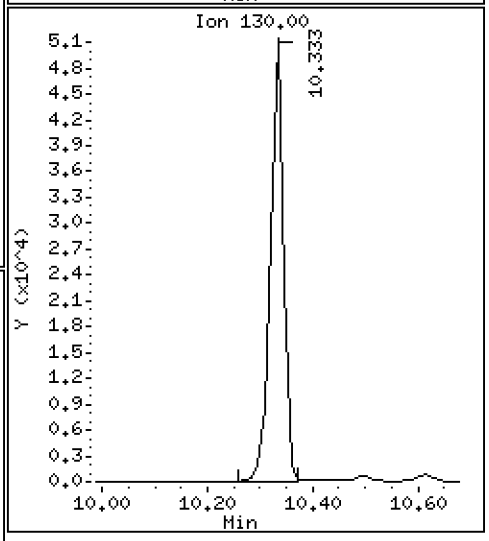
16 N-Nitroso-di-n-propylamine

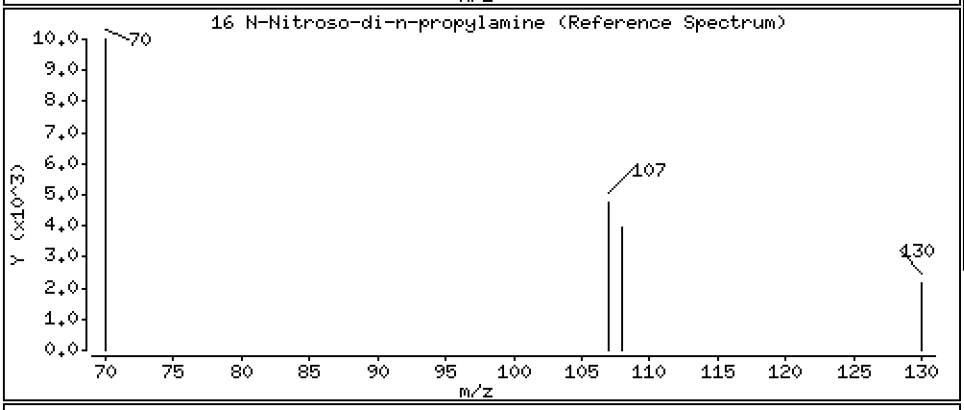
Concentration: 4.204 ug/mL

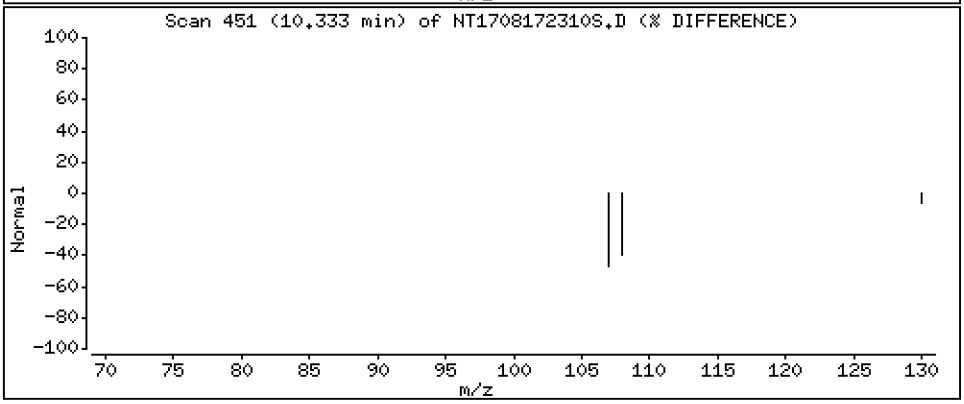












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Date : 18-AUG-2023 01:12

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MSD1

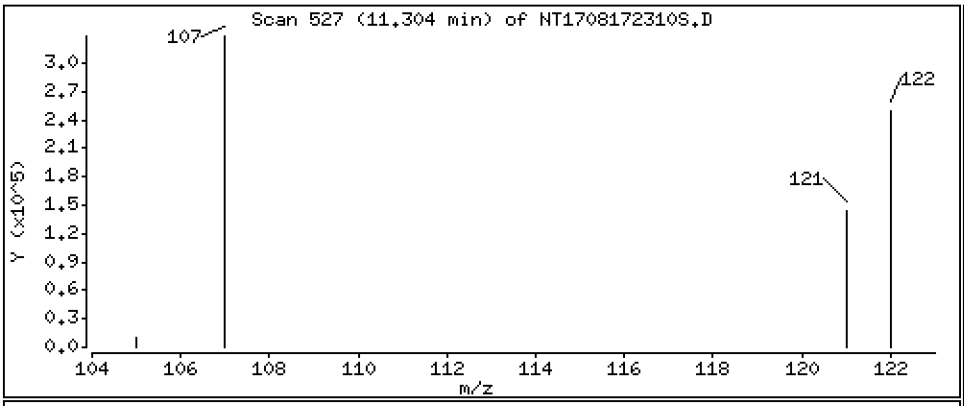
Operator: JGR

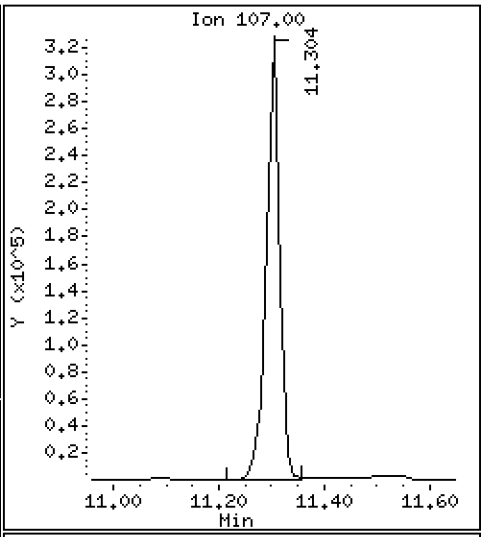
Column phase: ZB-5msi

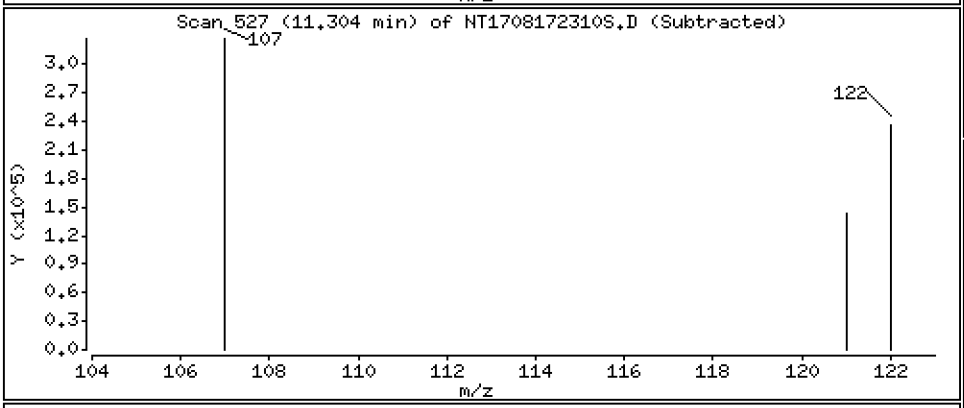
Column diameter: 0.25

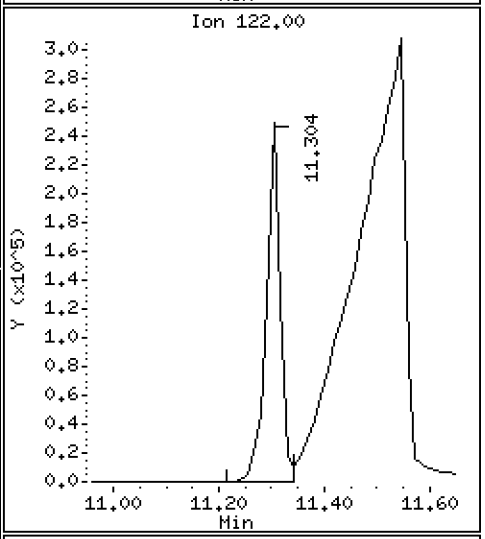
22 2,4-Dimethylphenol

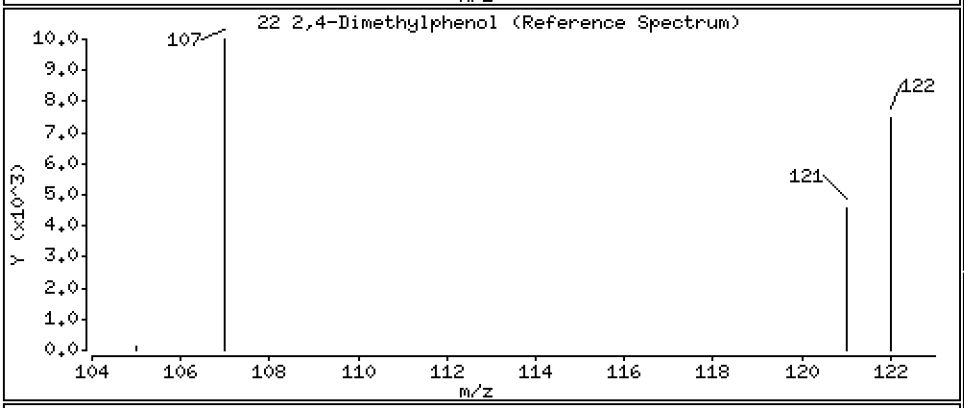
Concentration: 3.968 ug/mL

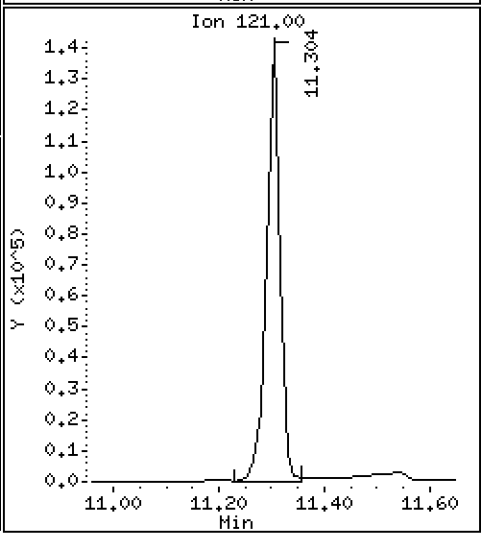


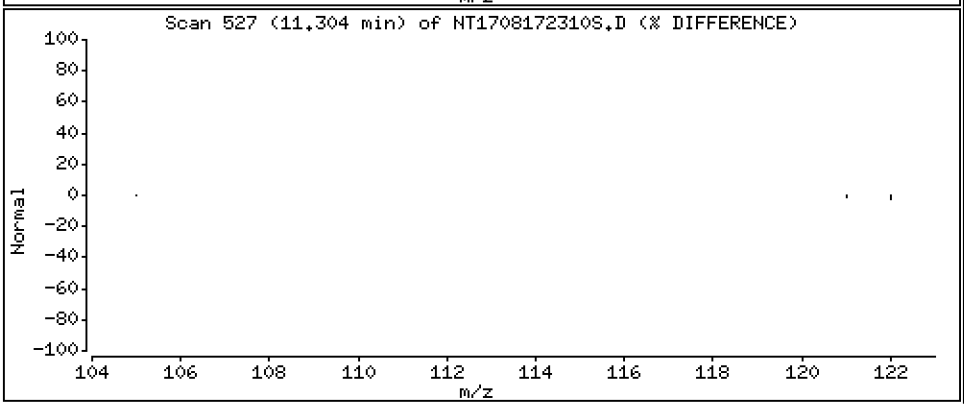












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Date : 18-AUG-2023 01:12

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MSD1

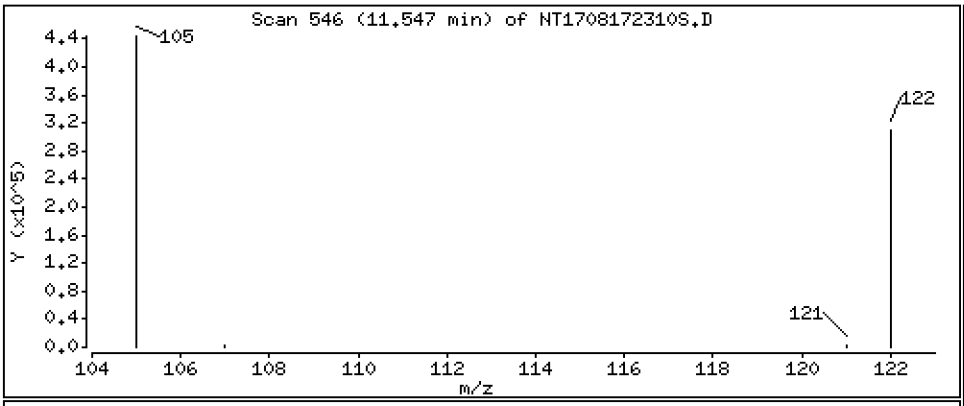
Operator: JGR

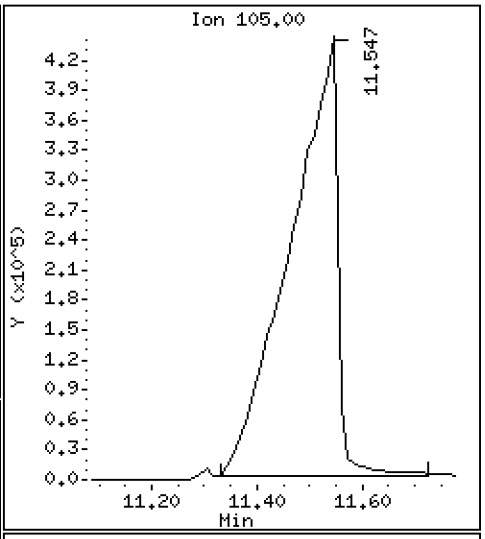
Column phase: ZB-5msi

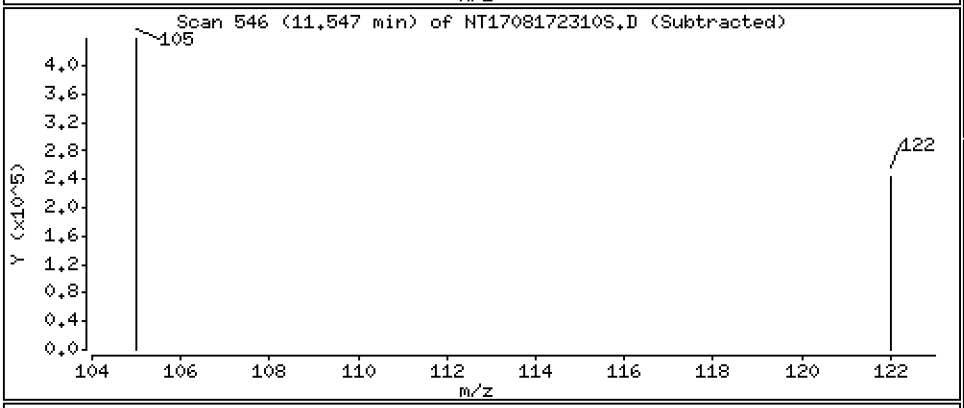
Column diameter: 0.25

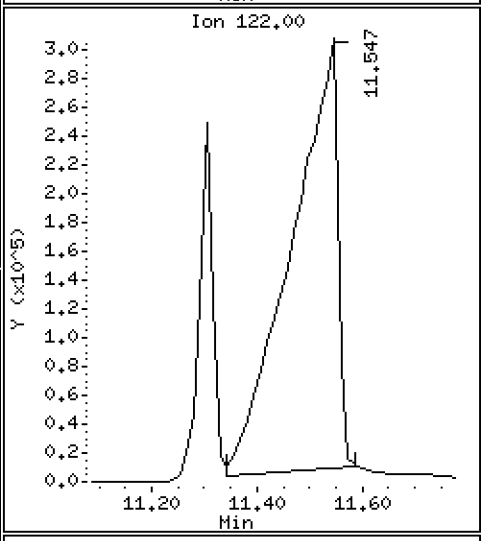
24 Benzoic acid

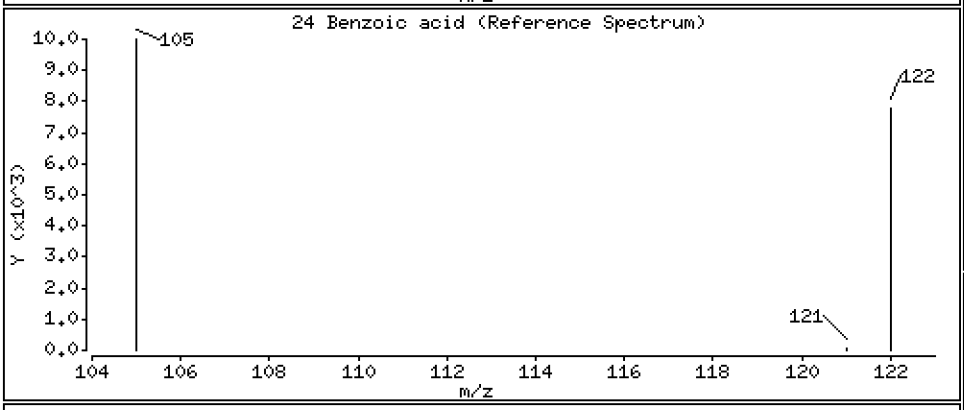
Concentration: 25.46 ug/mL

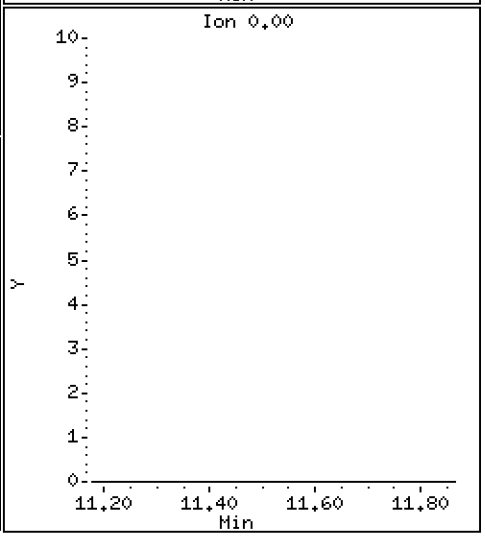


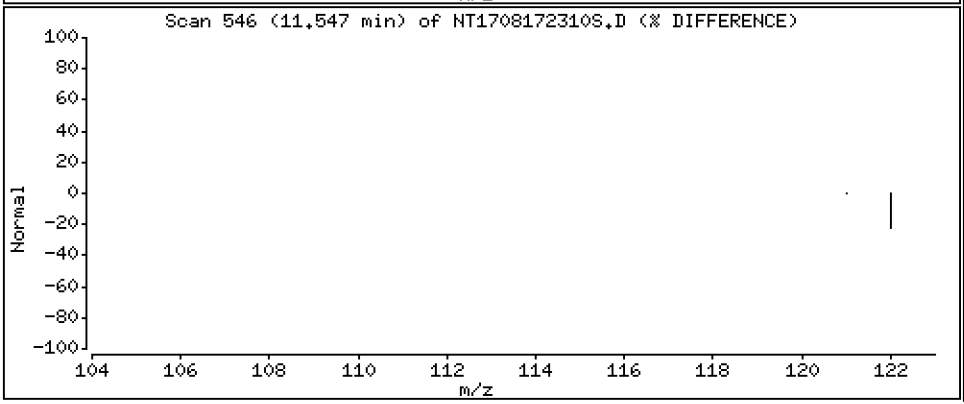












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Date : 18-AUG-2023 01:12

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MSD1

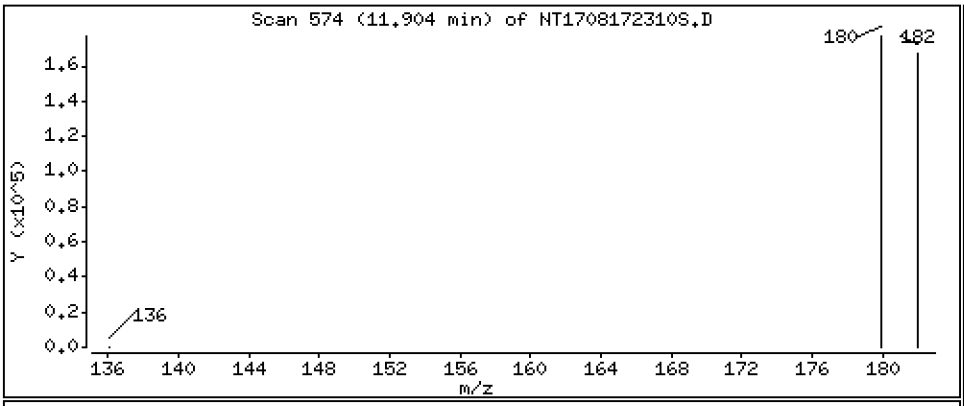
Operator: JGR

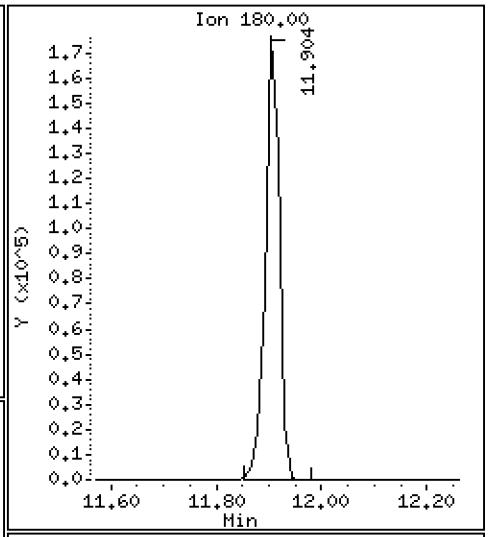
Column phase: ZB-5msi

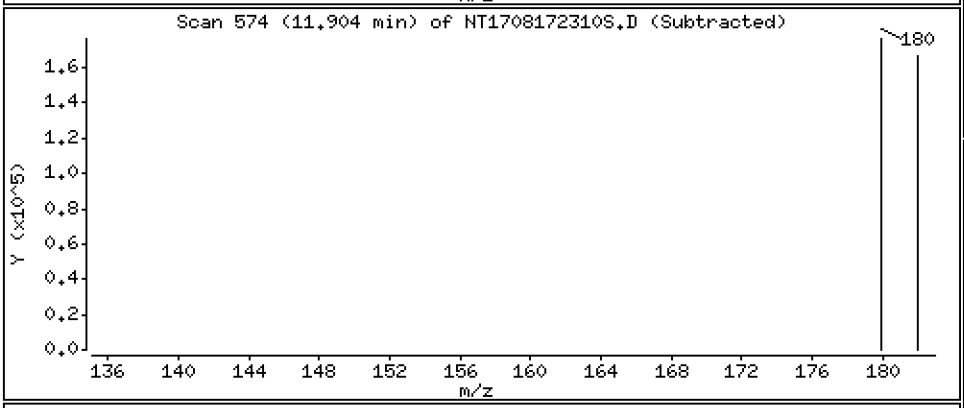
Column diameter: 0.25

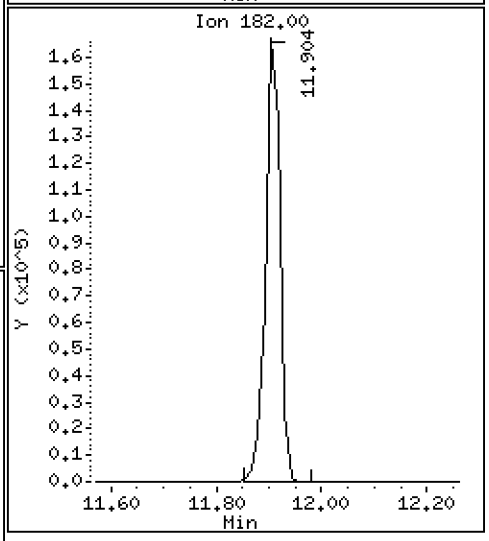
26 1,2,4-Trichlorobenzene

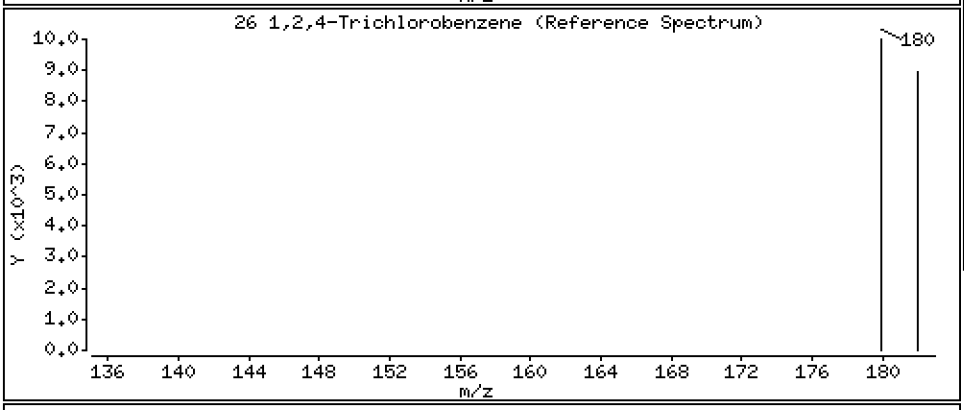
Concentration: 3.312 ug/mL

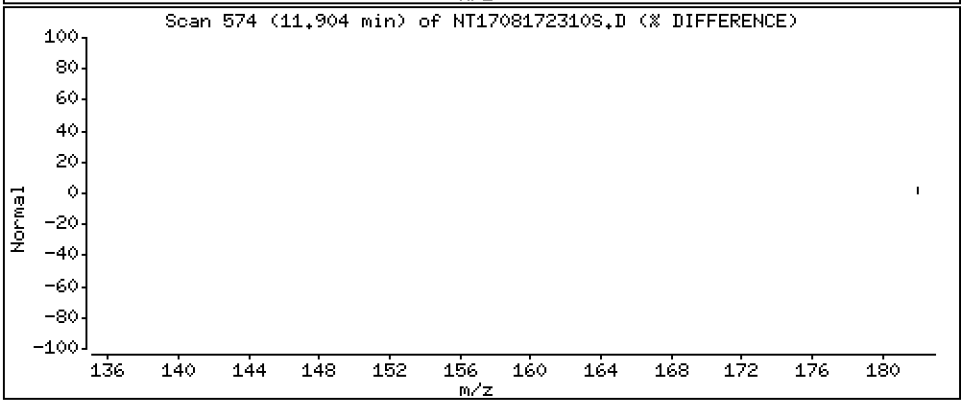












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Date : 18-AUG-2023 01:12

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MSD1

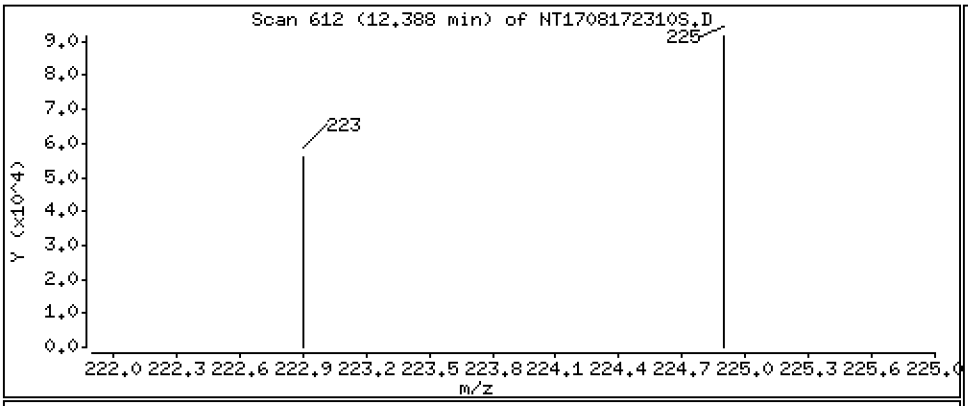
Operator: JGR

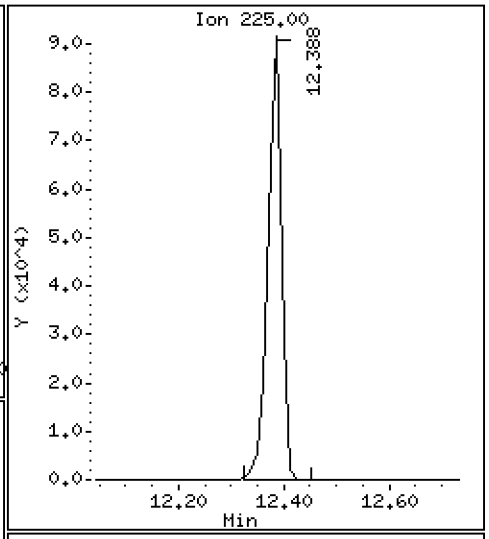
Column phase: ZB-5msi

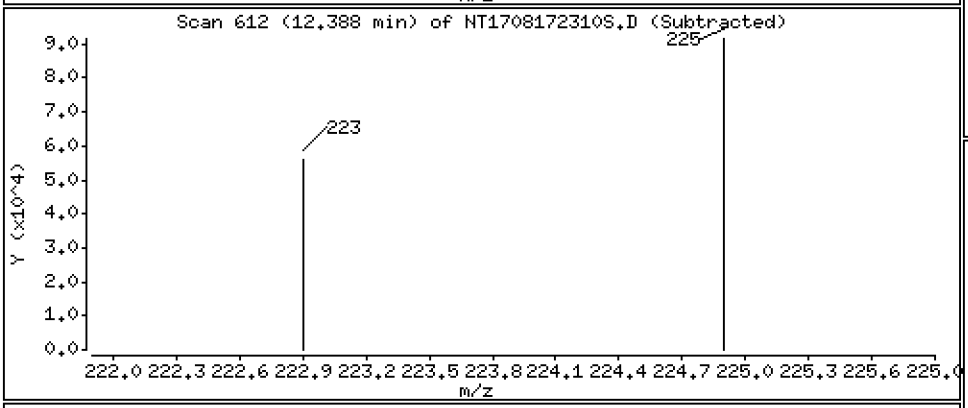
Column diameter: 0.25

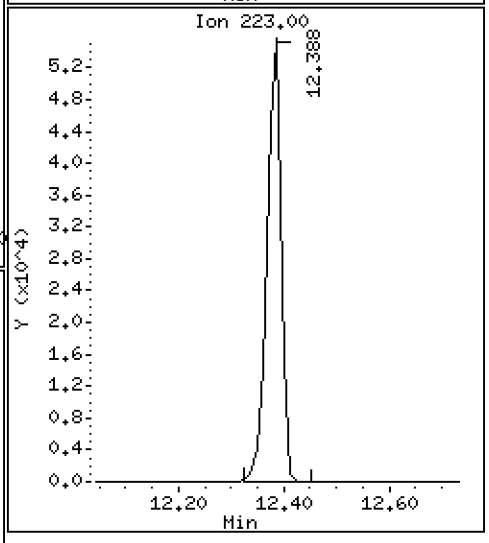
30 Hexachlorobutadiene

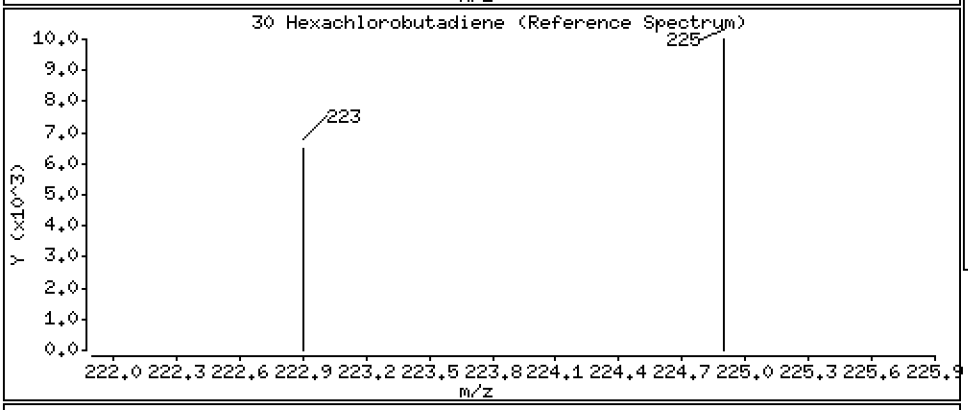
Concentration: 3.539 ug/mL

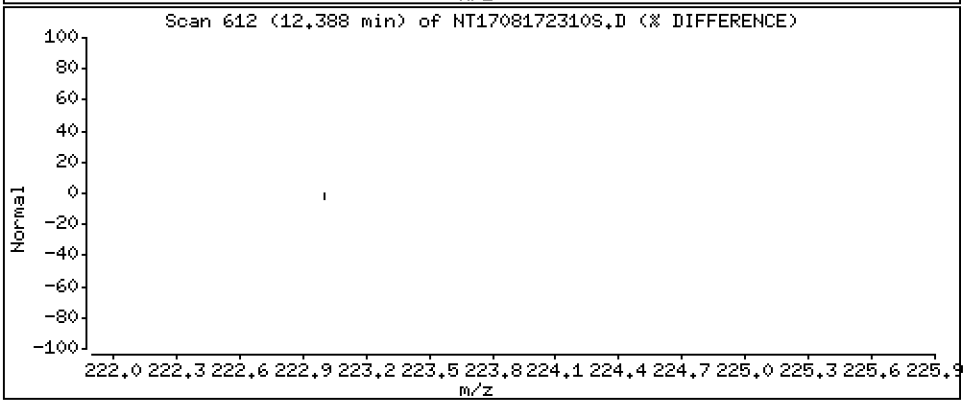












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Date : 18-AUG-2023 01:12

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MSD1

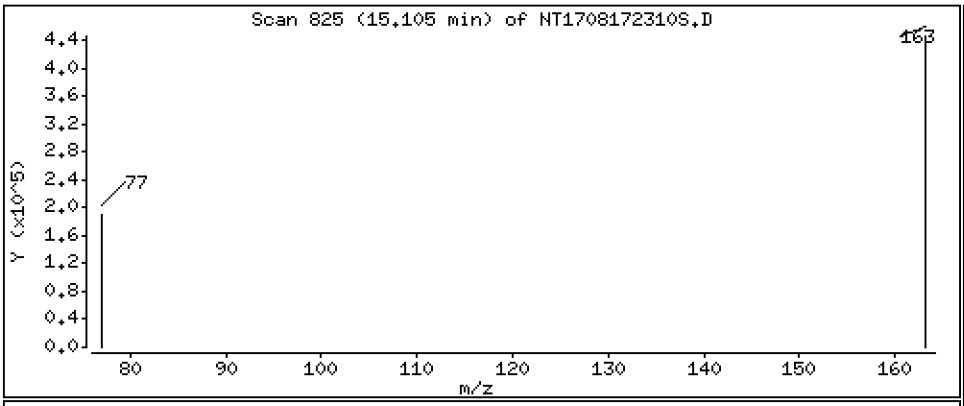
Operator: JGR

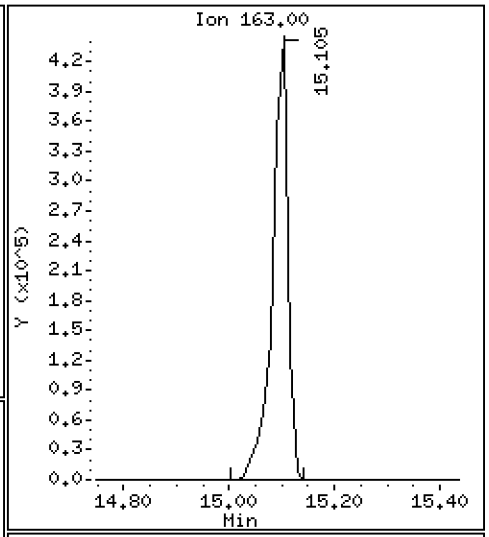
Column phase: ZB-5msi

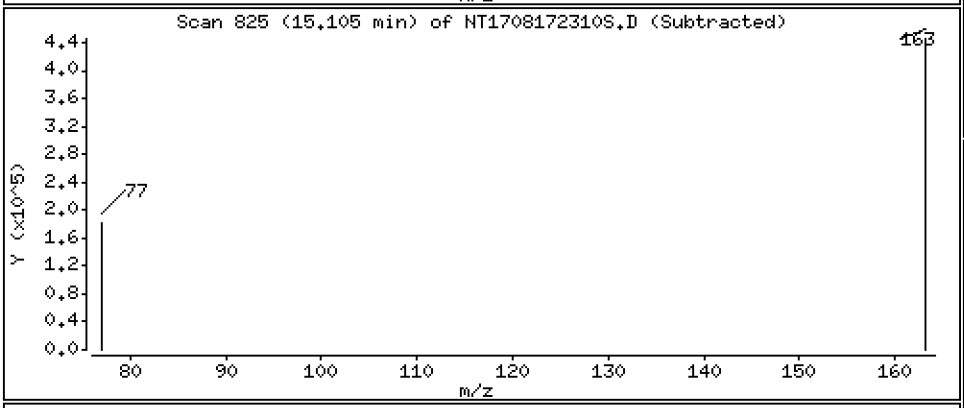
Column diameter: 0.25

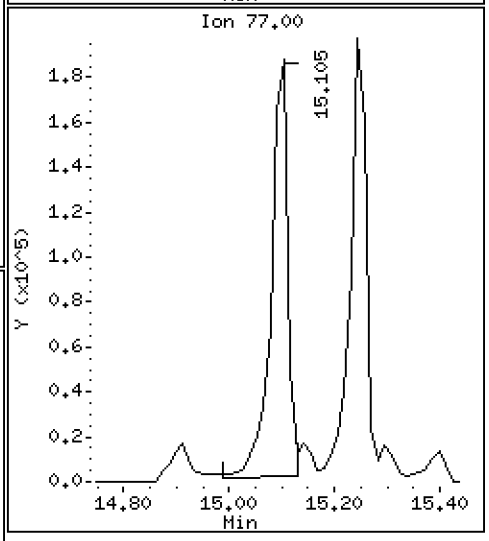
39 Dimethylphthalate

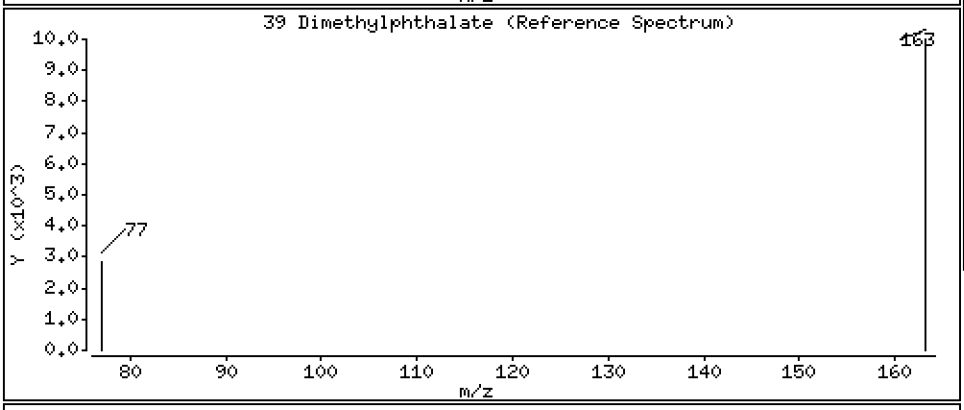
Concentration: 4.469 ug/mL

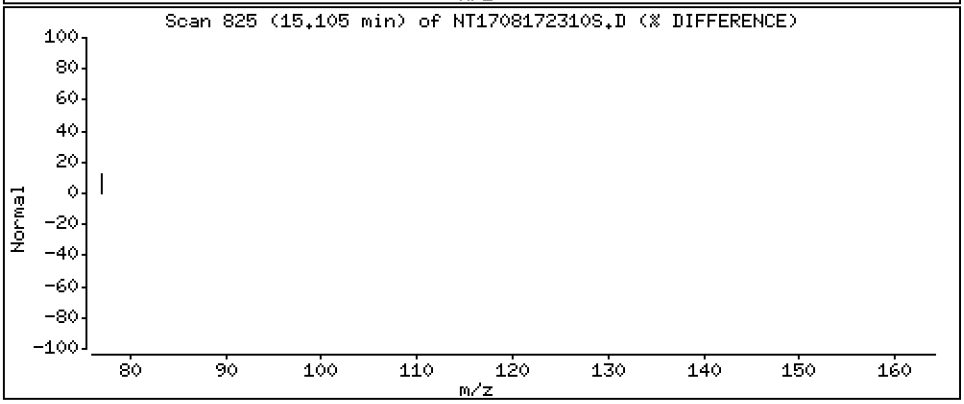












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Date : 18-AUG-2023 01:12

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MSD1

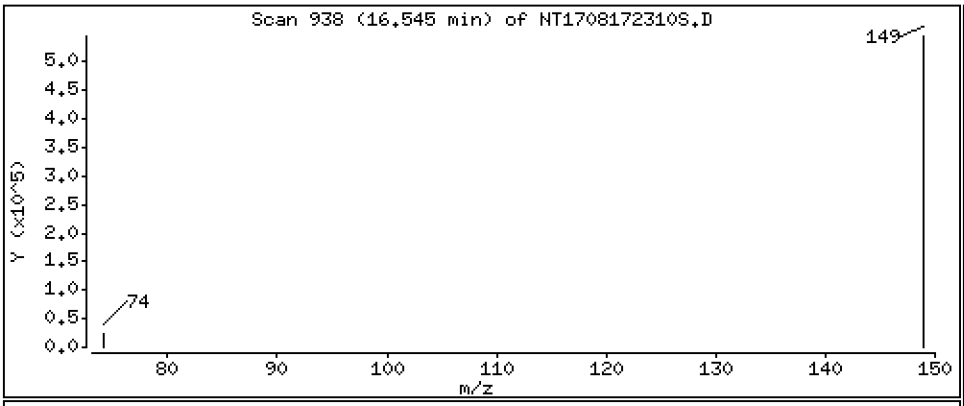
Operator: JGR

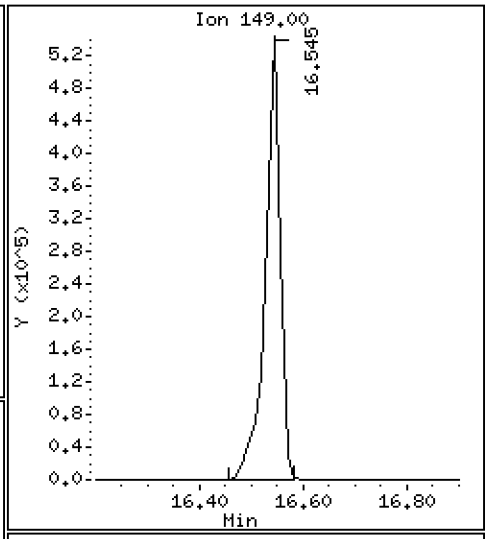
Column phase: ZB-5msi

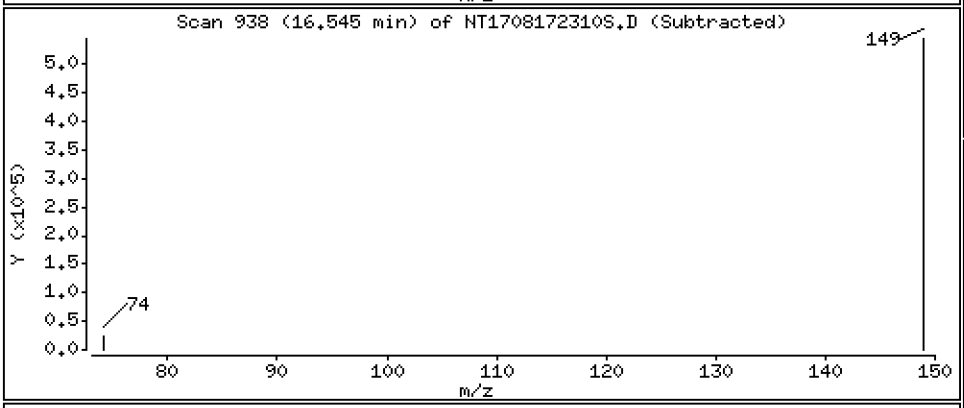
Column diameter: 0.25

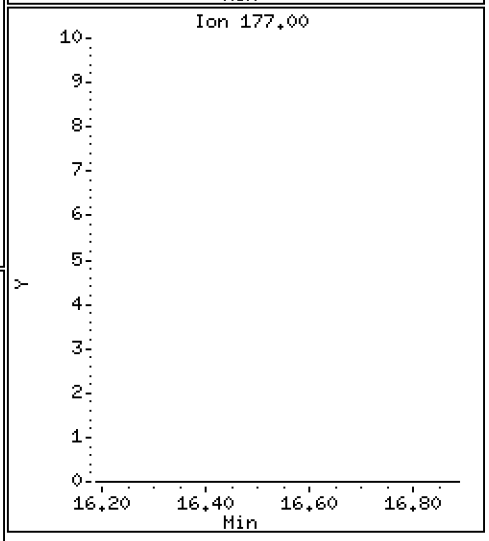
50 Diethylphthalate

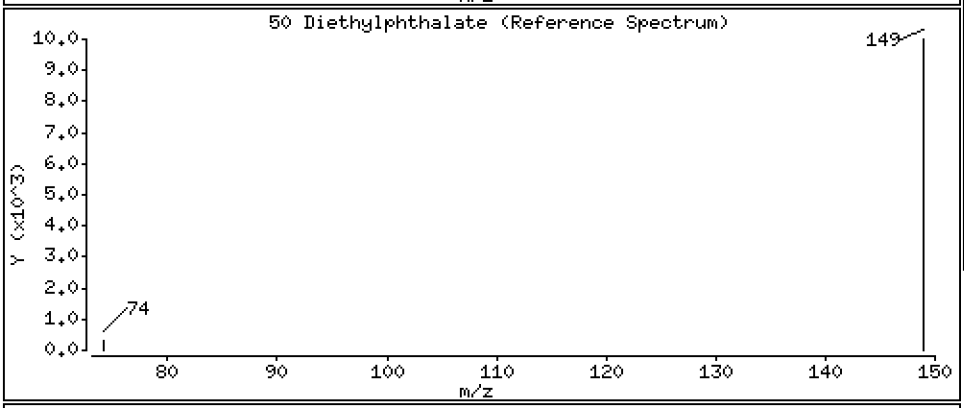
Concentration: 5.102 ug/mL

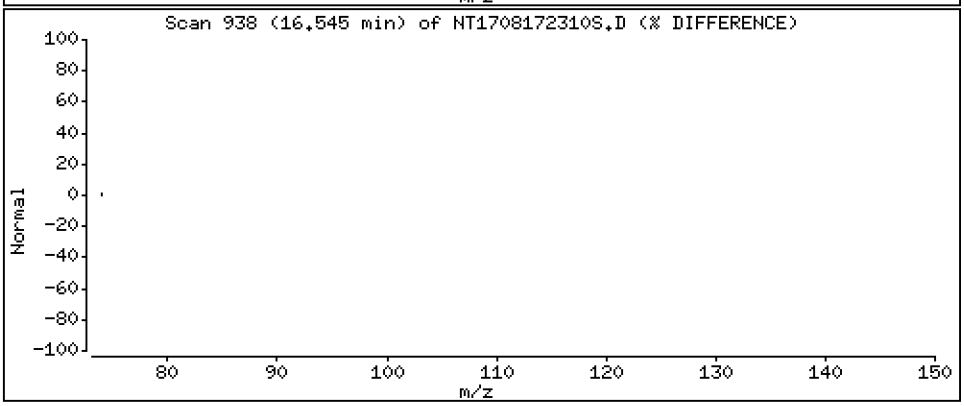












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172310S.D

Date : 18-AUG-2023 01:12

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MSD1

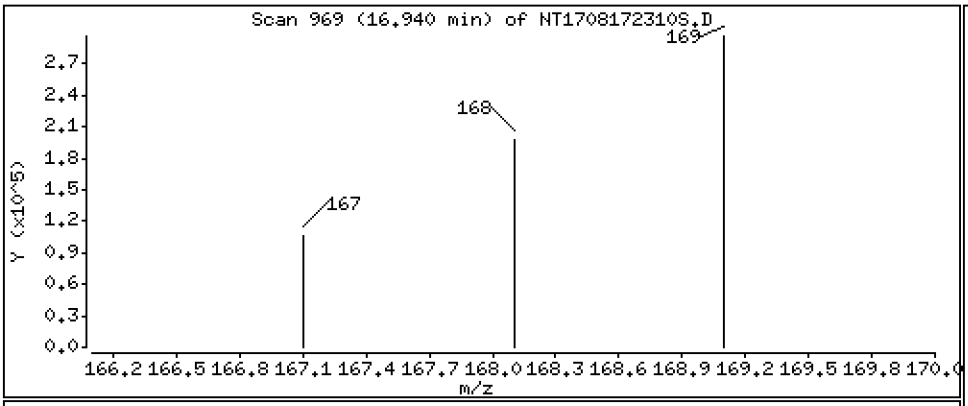
Operator: JGR

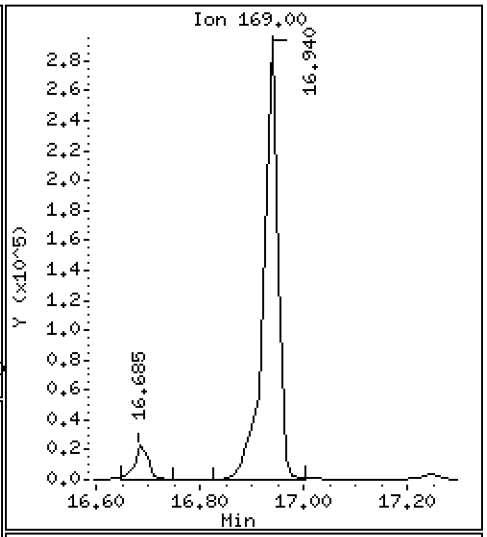
Column phase: ZB-5msi

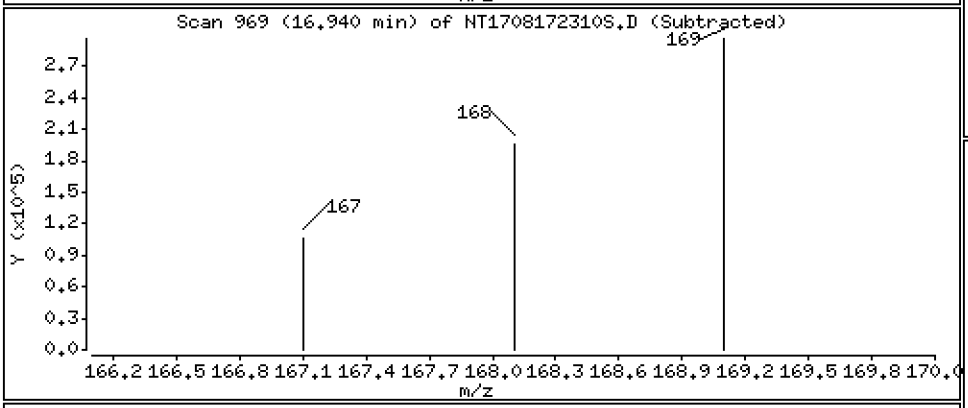
Column diameter: 0.25

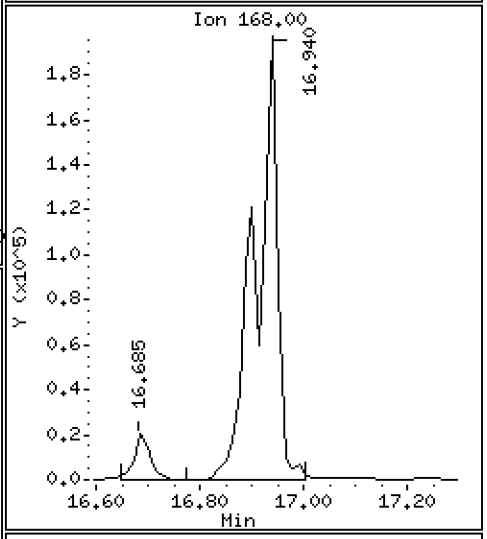
54 N-Nitrosodiphenylamine

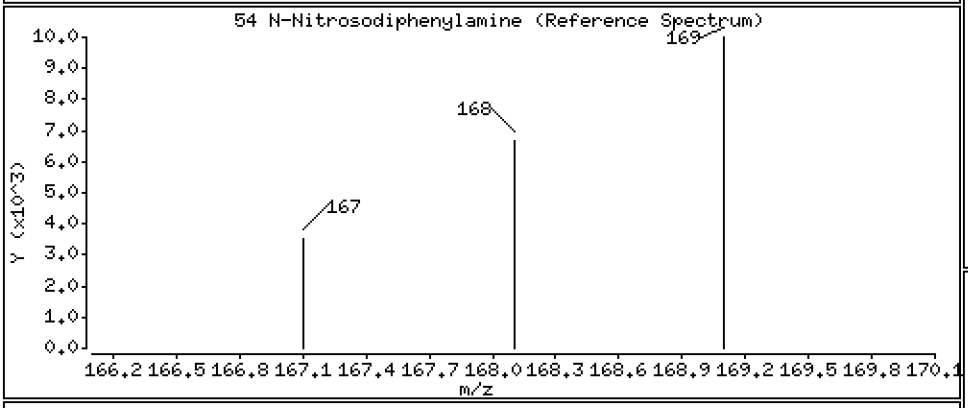
Concentration: 3.849 ug/mL

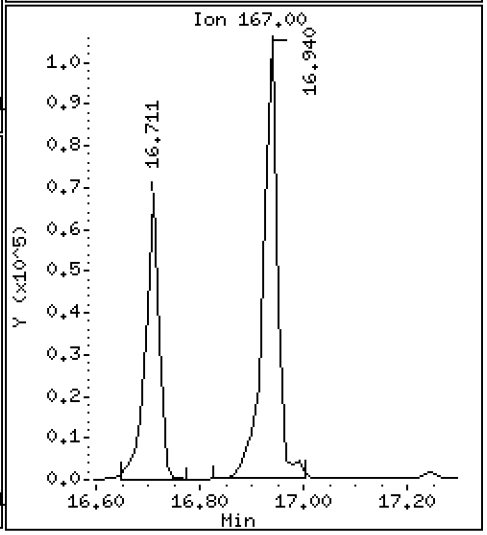


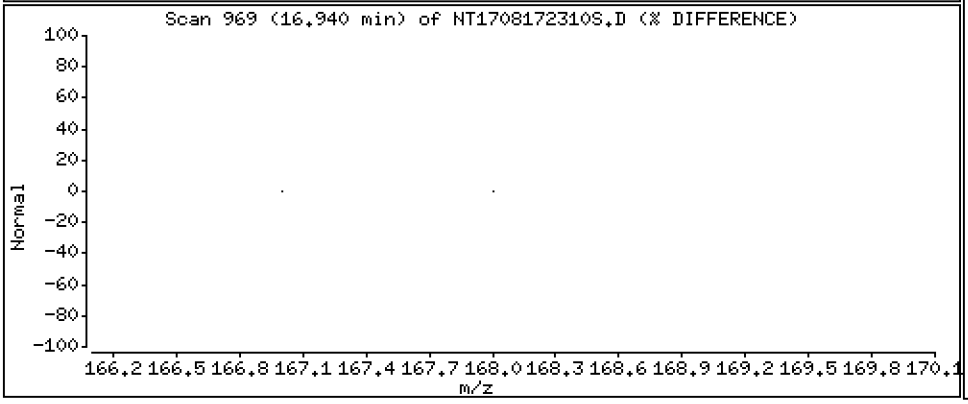












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172310S.D

Date : 18-AUG-2023 01:12

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MSD1

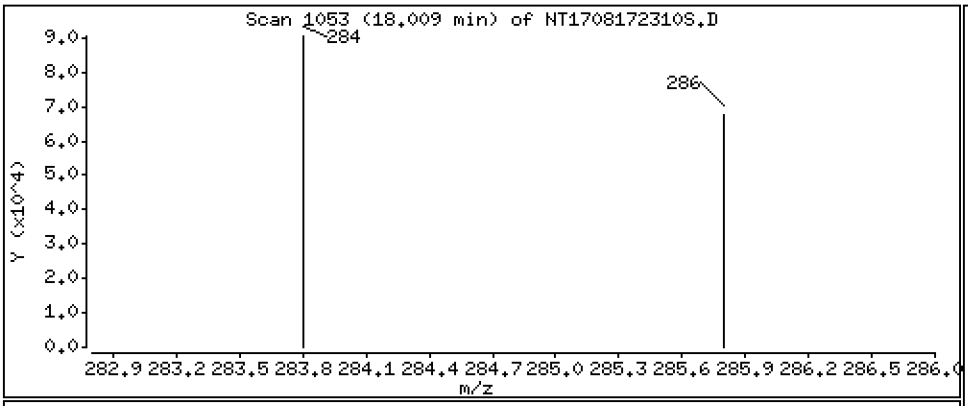
Operator: JGR

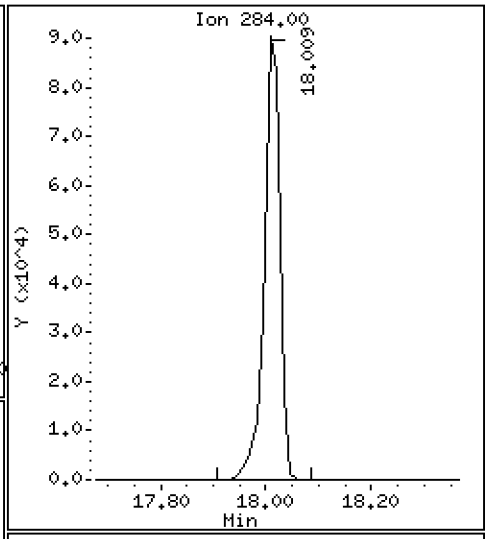
Column phase: ZB-5msi

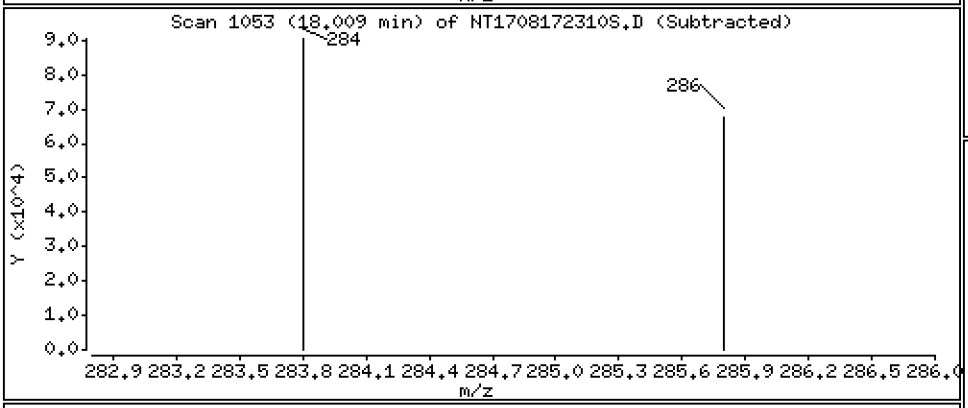
Column diameter: 0.25

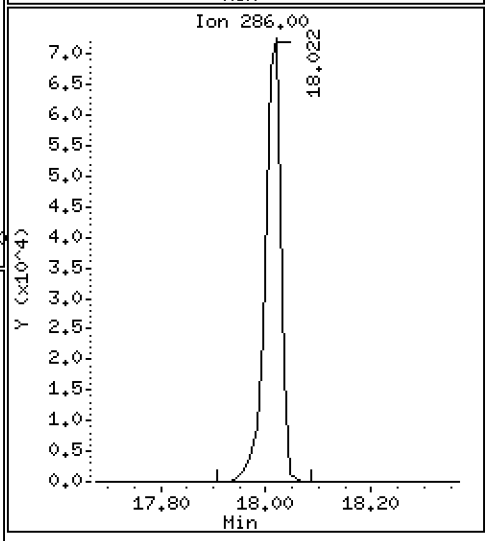
57 Hexachlorobenzene

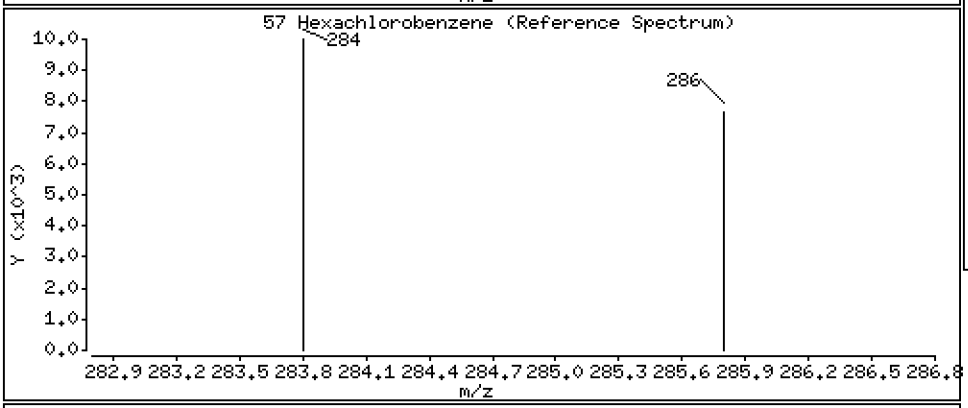
Concentration: 3.956 ug/mL

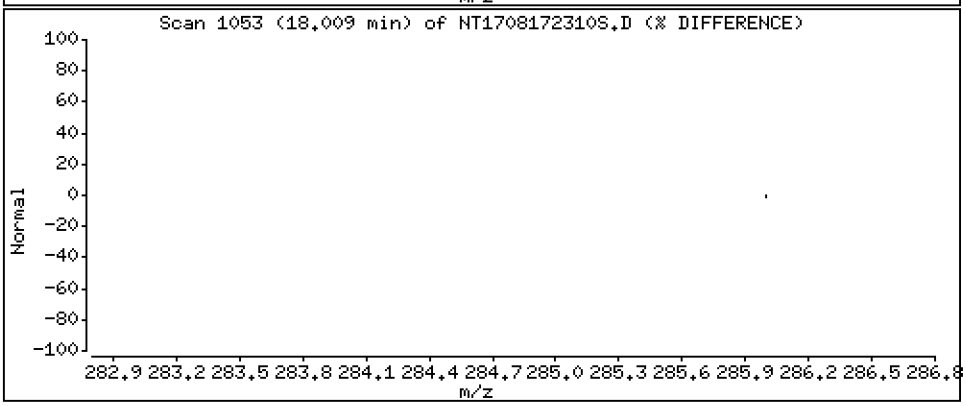












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172310S.D

Date : 18-AUG-2023 01:12

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MSD1

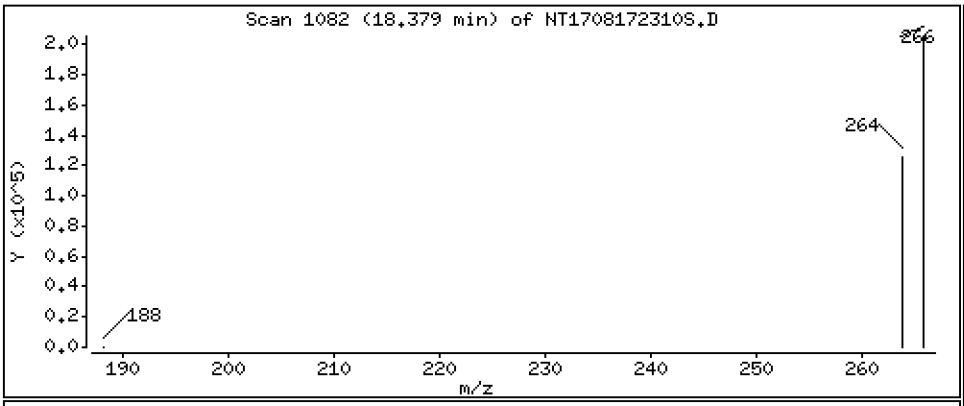
Operator: JGR

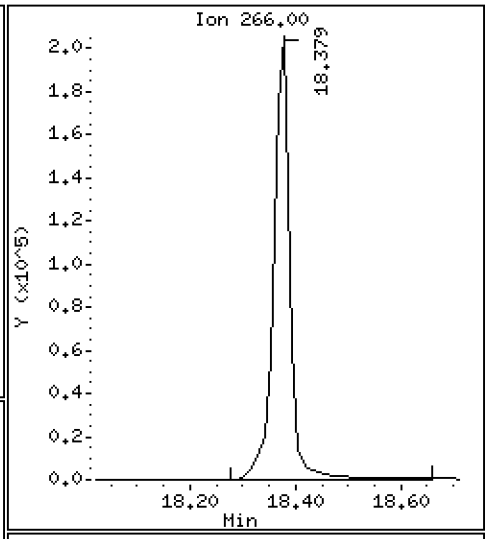
Column phase: ZB-5msi

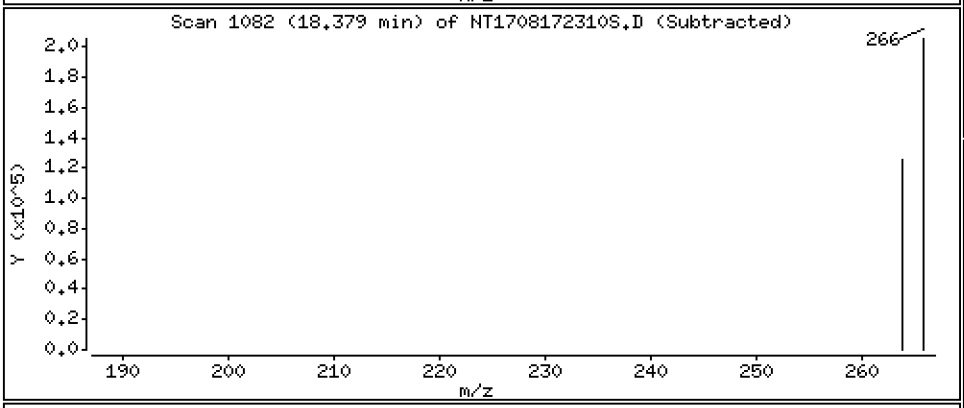
Column diameter: 0.25

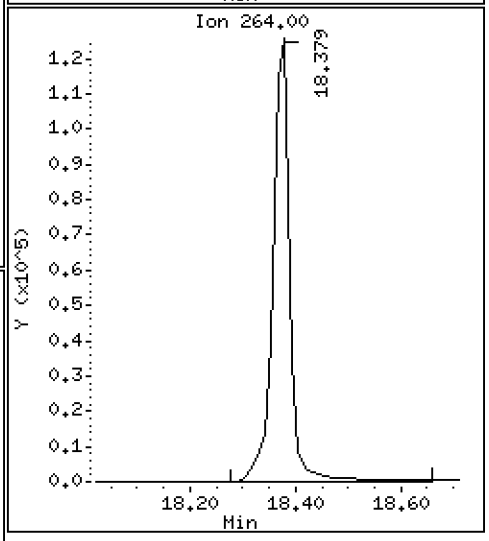
58 Pentachlorophenol

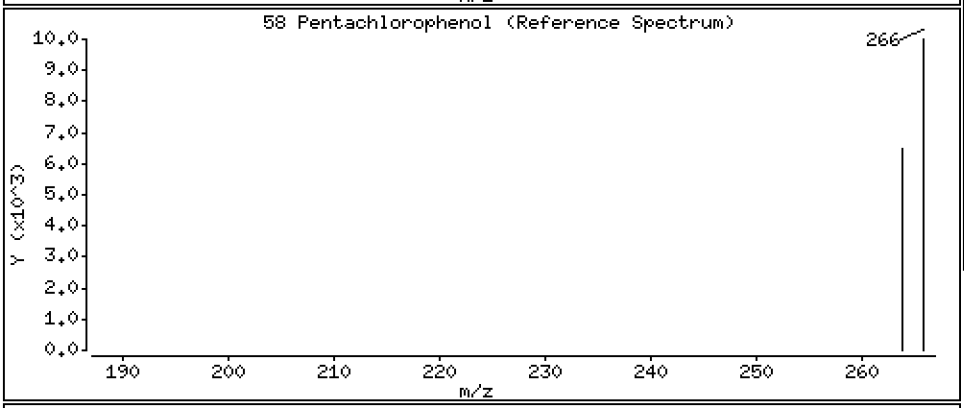
Concentration: 13.70 ug/mL

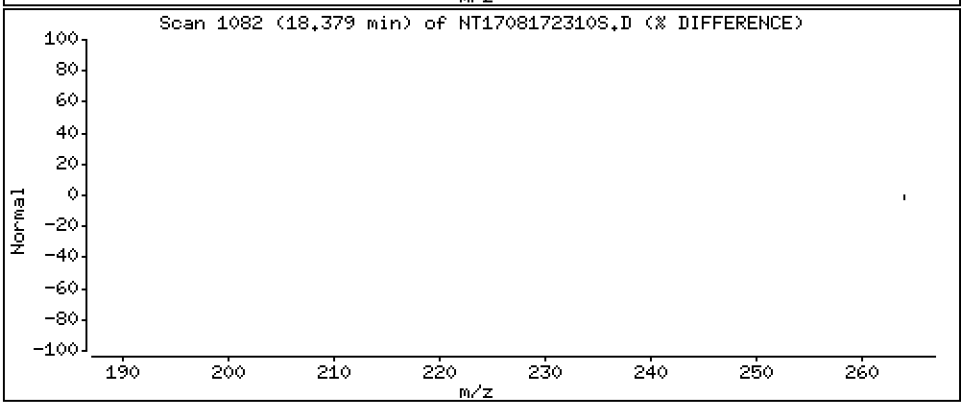












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172310S.D

Date : 18-AUG-2023 01:12

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MSD1

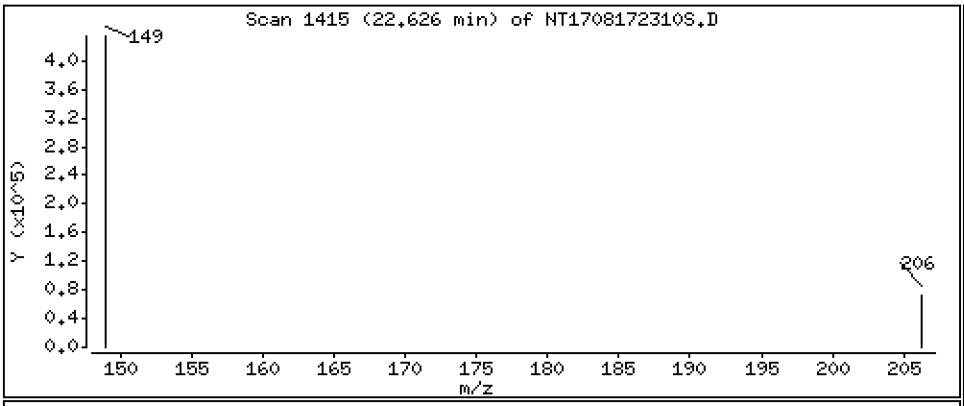
Operator: JGR

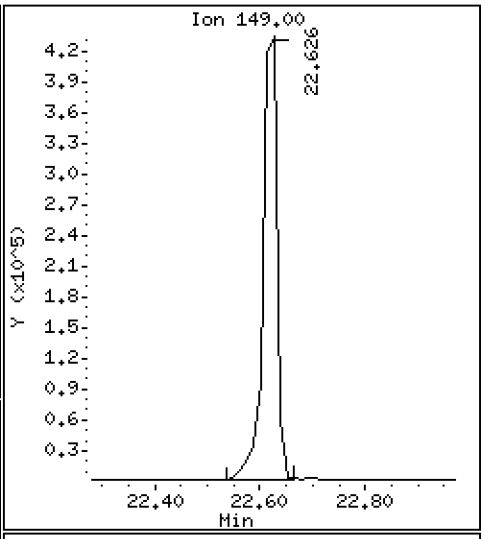
Column phase: ZB-5msi

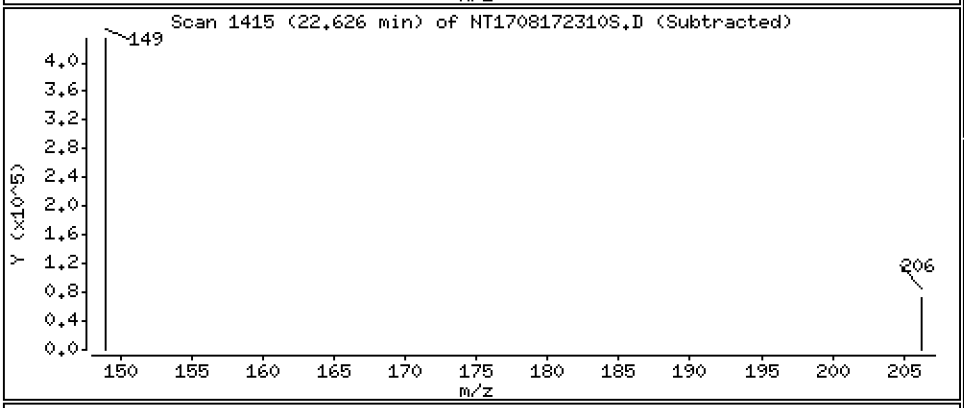
Column diameter: 0.25

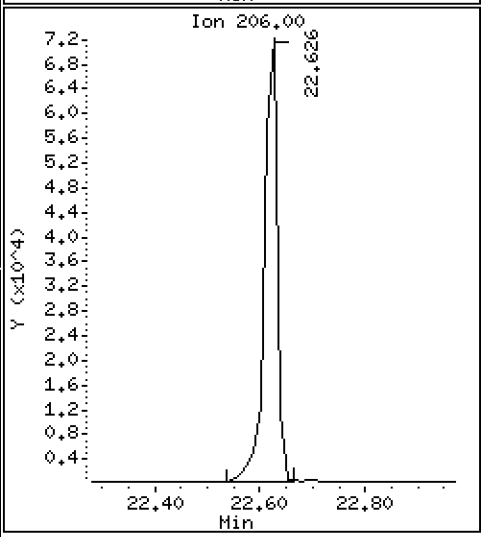
67 Butylbenzylphthalate

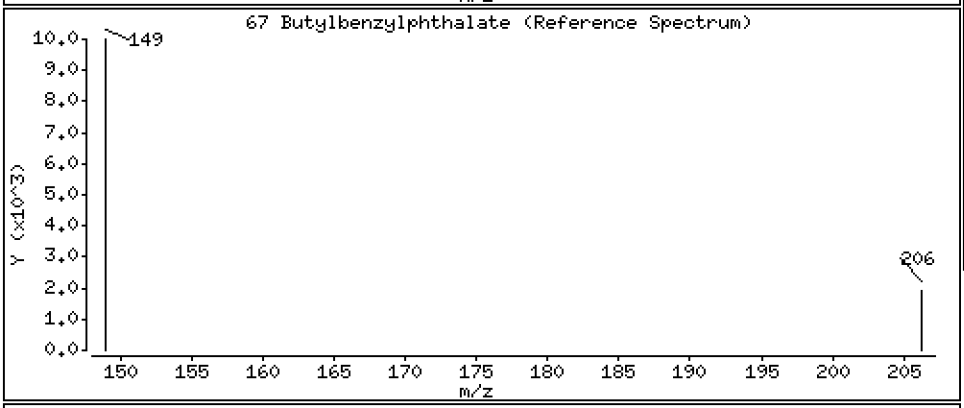
Concentration: 5.032 ug/mL

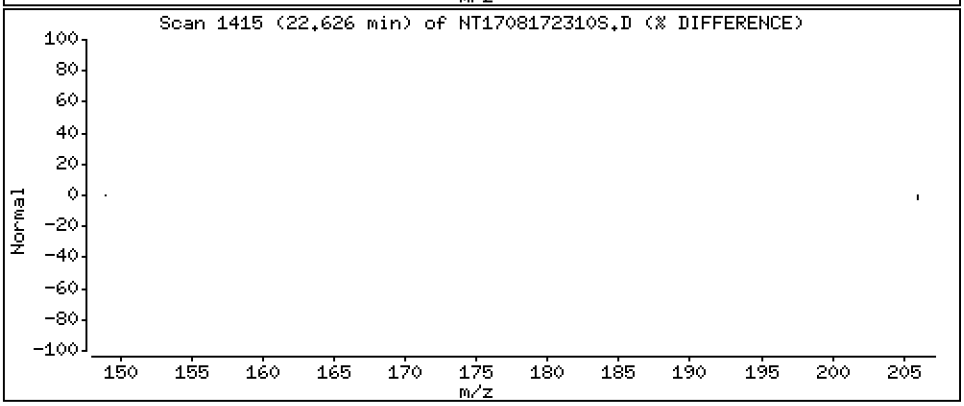












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172310S.D

Date : 18-AUG-2023 01:12

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MSD1

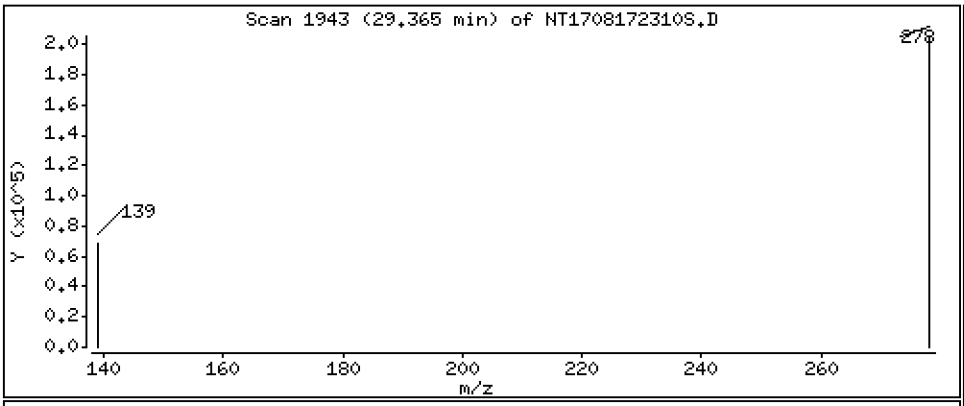
Operator: JGR

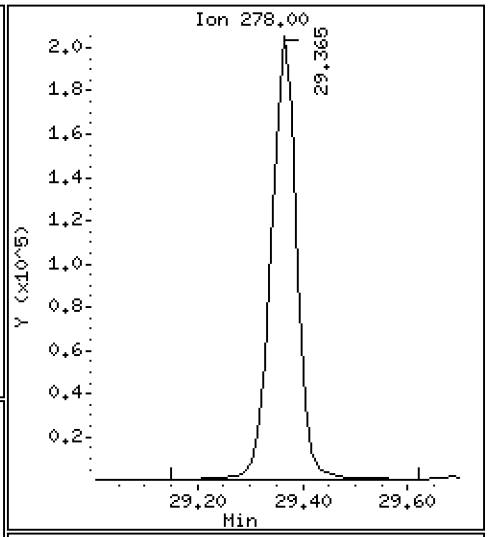
Column phase: ZB-5msi

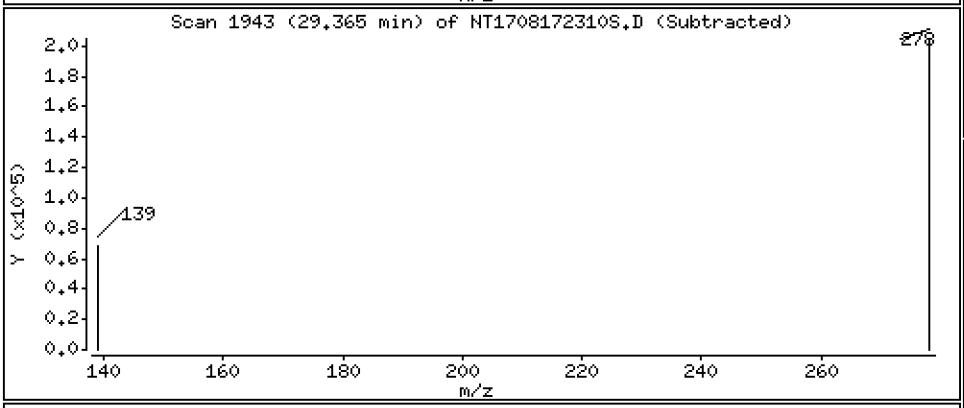
Column diameter: 0.25

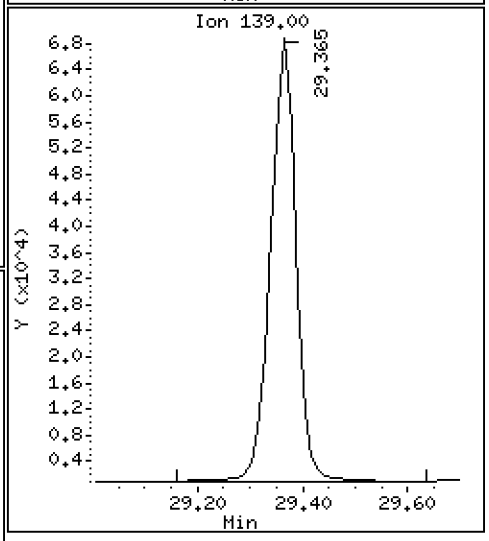
79 Dibenzo(a,h)anthracene

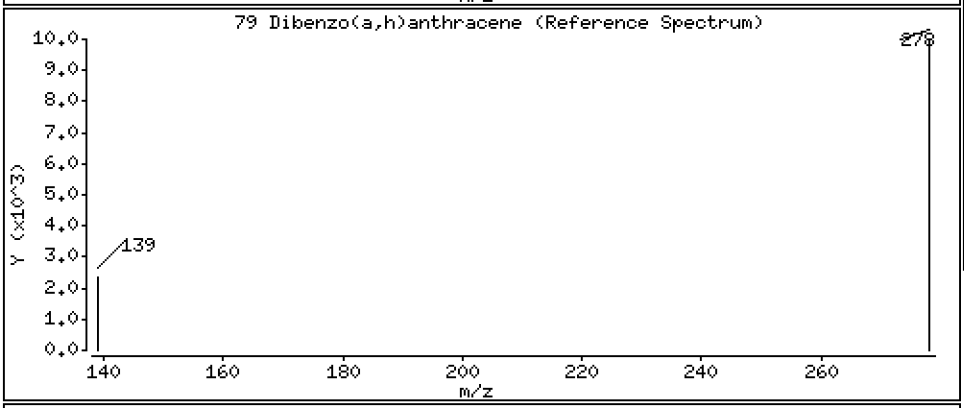
Concentration: 4.514 ug/mL

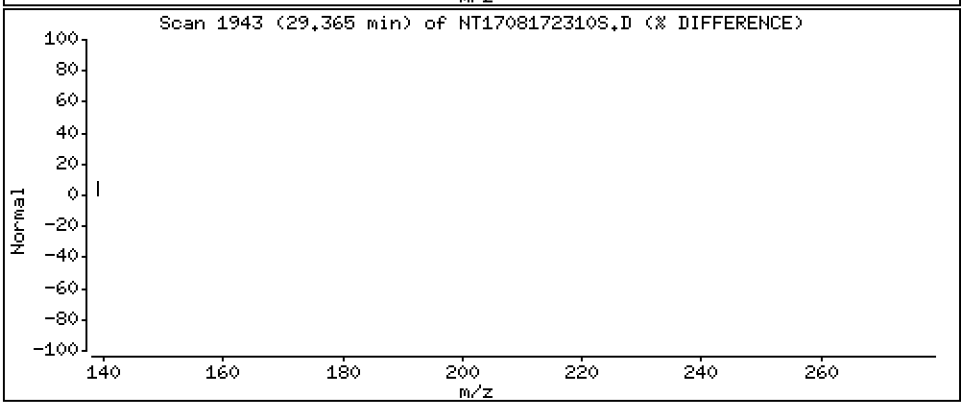












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172310S.D

Date : 18-AUG-2023 01:12

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-MSD1

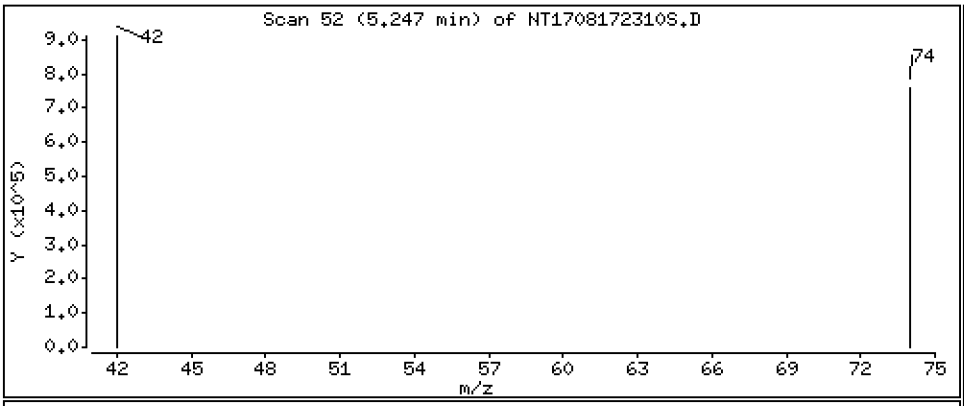
Operator: JGR

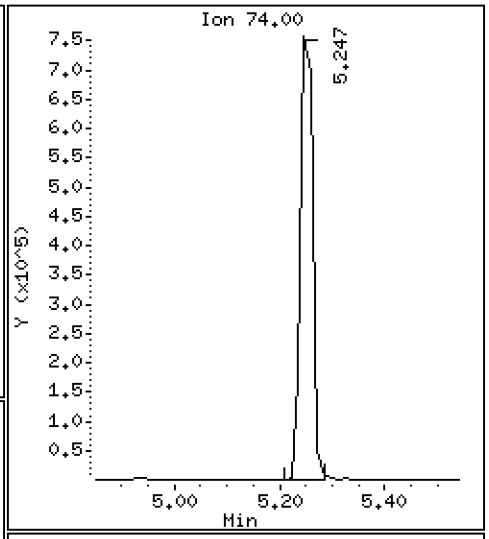
Column phase: ZB-5msi

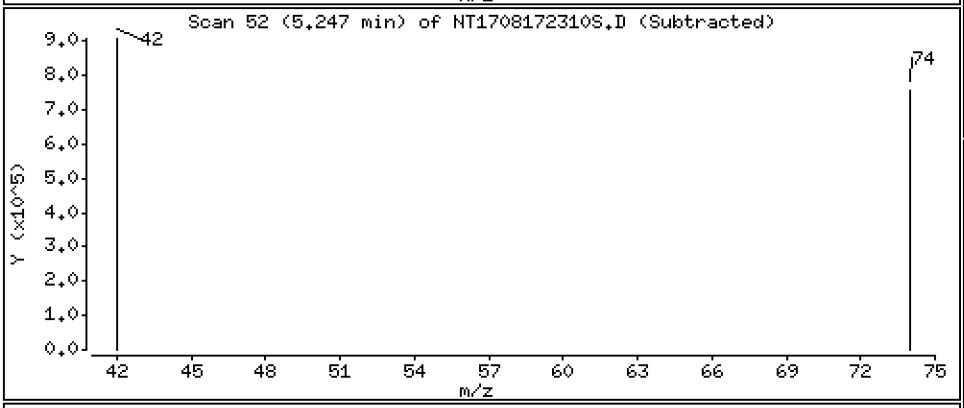
Column diameter: 0.25

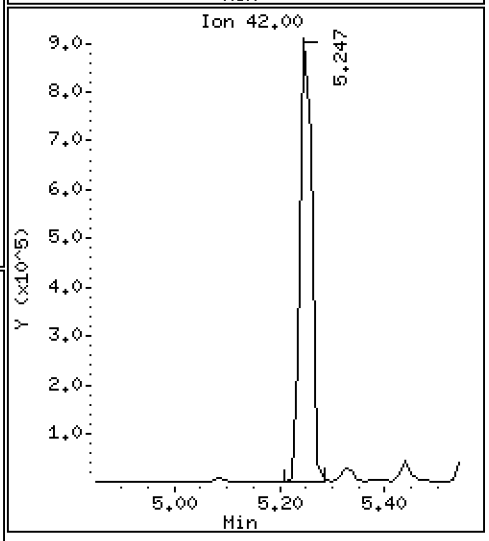
90 N-Nitrosodimethylamine

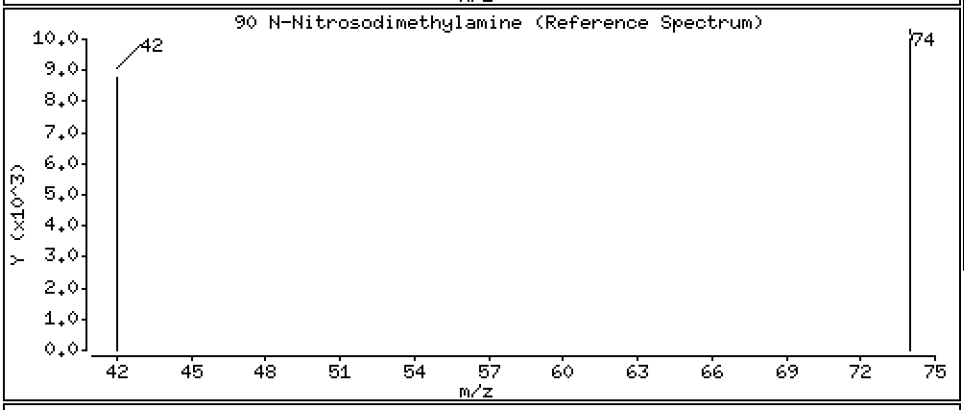
Concentration: 8.575 ug/mL

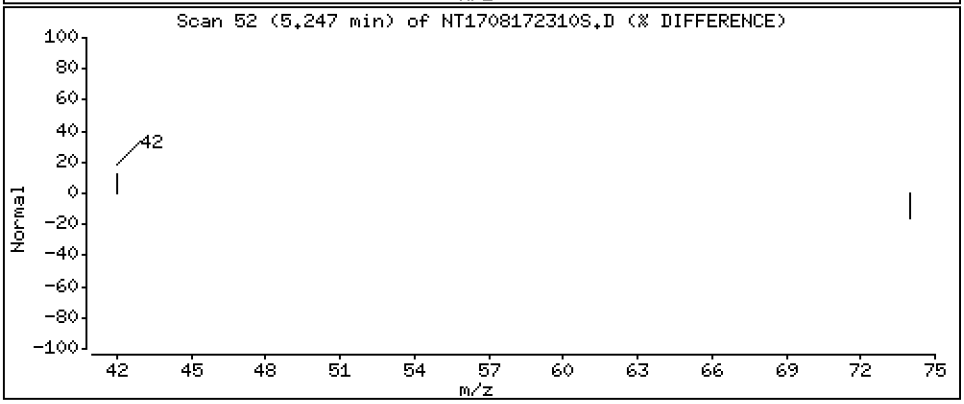












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172310S.D
Lab Smp Id: BLH0329-MSD1
Inj Date : 18-AUG-2023 01:12
Operator : JGR Inst ID: nt17.i
Smp Info : BLH0329-MSD1
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Meth Date : 19-Aug-2023 11:00 JoshuaR Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	7.298	7.285	(0.767)	801632	5.43714	5.437(R)
	3 Phenol	94	8.878	8.878	(0.933)	844574	3.75780	3.758
	7 1,3-Dichlorobenzene	146	9.451	9.451	(0.993)	496508	3.26592	3.266
*	8 1,4-Dichlorobenzene-d4	152	9.515	9.515	(1.000)	355078	4.00000	
	9 1,4-Dichlorobenzene	146	9.541	9.554	(1.003)	486302	3.30532	3.305
	11 Benzyl alcohol	79	9.809	9.784	(1.031)	616642	3.96403	3.964
	12 1,2-Dichlorobenzene	146	9.898	9.911	(1.040)	482907	3.38365	3.384
	13 2-Methylphenol	108	9.988	9.988	(1.050)	485491	3.56249	3.562
	15 4-Methylphenol	108	10.256	10.256	(1.078)	528315	3.70915	3.709
	16 N-Nitroso-di-n-propylamine	70	10.333	10.333	(1.086)	612321	4.20390	4.204
	22 2,4-Dimethylphenol	107	11.304	11.304	(0.943)	575369	3.96760	3.968
	24 Benzoic acid	105	11.546	11.431	(0.963)	2760836	25.4580	25.46
	26 1,2,4-Trichlorobenzene	180	11.903	11.916	(0.993)	328128	3.31163	3.312
*	27 Naphthalene-d8	136	11.993	12.005	(1.000)	1445326	4.00000	
	30 Hexachlorobutadiene	225	12.387	12.388	(1.033)	164220	3.53909	3.539
	39 Dimethylphthalate	163	15.104	15.091	(0.967)	917200	4.46851	4.469
*	42 Acenaphthene-d10	162	15.614	15.614	(1.000)	631529	4.00000	
	50 Diethylphthalate	149	16.545	16.545	(1.060)	1088806	5.10159	5.102
	54 N-Nitrosodiphenylamine	169	16.939	16.939	(0.908)	560502	3.84872	3.849
	57 Hexachlorobenzene	284	18.009	18.021	(0.966)	188776	3.95639	3.956
	58 Pentachlorophenol	266	18.378	18.366	(0.986)	443646	13.7015	13.70
*	59 Phenanthrene-d10	188	18.646	18.646	(1.000)	1012994	4.00000	
$	66 Terphenyl-d14	244	21.719	21.720	(0.920)	443037	5.22807	5.228(R)
	67 Butylbenzylphthalate	149	22.625	22.625	(0.958)	817681	5.03201	5.032
*	69 Chrysene-d12	240	23.620	23.620	(1.000)	612376	4.00000	
*	77 Perylene-d12	264	26.414	26.414	(1.000)	524014	4.00000	
	79 Dibenzo(a,h)anthracene	278	29.365	29.352	(1.112)	698680	4.51415	4.514
	90 N-Nitrosodimethylamine	74	5.247	5.196	(0.551)	1286478	8.57522	8.575

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708172310S.D
Lab Smp Id: BLH0329-MSD1
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Misc Info:

Calibration Date: 17-AUG-2023
Calibration Time: 20:49
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	348452	174226	696904	355078	1.90
27 Naphthalene-d8	1404170	702085	2808340	1445326	2.93
42 Acenaphthene-d10	619161	309581	1238322	631529	2.00
59 Phenanthrene-d10	992768	496384	1985536	1012994	2.04
69 Chrysene-d12	642334	321167	1284668	612376	-4.66
77 Perylene-d12	573362	286681	1146724	524014	-8.61

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.52	9.02	10.02	9.52	-0.00
27 Naphthalene-d8	12.01	11.51	12.51	11.99	-0.11
42 Acenaphthene-d10	15.61	15.11	16.11	15.61	-0.00
59 Phenanthrene-d10	18.65	18.15	19.15	18.65	-0.00
69 Chrysene-d12	23.62	23.12	24.12	23.62	-0.00
77 Perylene-d12	26.41	25.91	26.91	26.41	-0.00

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

REVIEW SUMMARY FOR FILE - NT1708172310S.D

Lab ID: BLH0329-MSD1
nt17.i, 20230817.b\SIM.b\SIMABN2.m,   18-AUG-2023 01:12

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.963	0.952	0.0106	Benzoic acid
0.551	0.546	0.0053	N-Nitrosodimethylamine

RRT check based on Ccal File: SIM.b/NT1708172303S.D

On Column LOD for nt17.i, SIM.b\SIMABN2.m, PSDDA.sub = 0.0000

Exception: 1,2,4-Trichlorobenzene 0.0010

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

Analytical Resources, LLC
Analytical Chemists and Consultants

STANDARD REFERENCE MATERIAL RECOVERY

EPA 8270E-SIM

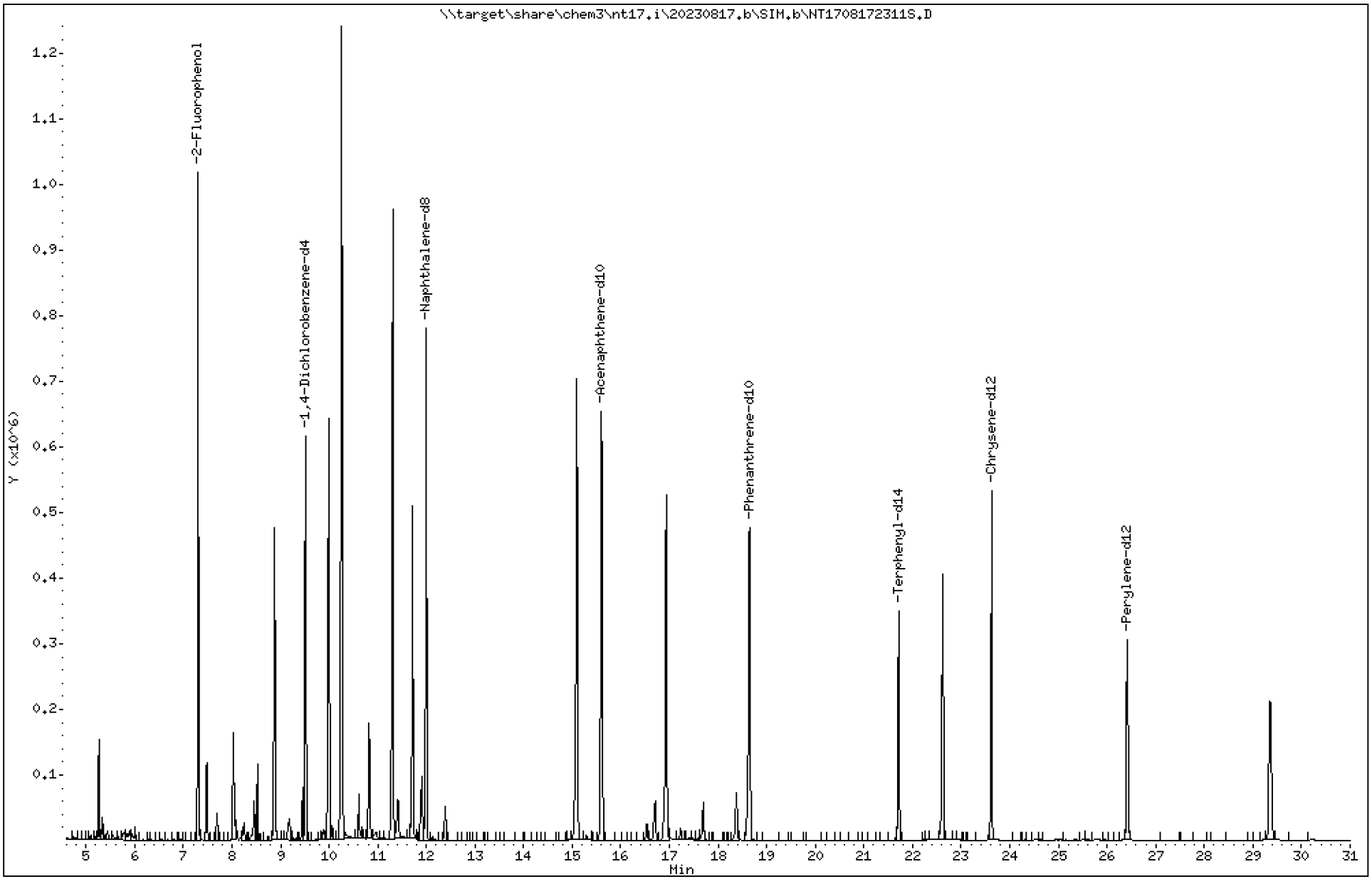
Laboratory: Analytical Resources, LLC
SDG: 23H0221
Client: Anchor QEA, LLC
Project: AOC5 MR Phase 1
Matrix: Solid
Laboratory ID: BLH0329-SRM1
Batch: BLH0329
Initial/Final: 1 g / 1 mL
Preparation: EPA 3546 (Microwave)
Analyzed: 08/18/2023 1:50
Standard ID: K003477
Expires: 01/31/2024
Standard Lot#: CRM 143 (LRAC8918)
Description: CRM 143 BNAs - Sandy Loam

ANALYTE	TRUE (ug/kg wet)	FOUND (ug/kg wet)	MDL	MRL	Q	SRM % REC.	QC LIMITS REC.
2,4-Dimethylphenol	6357.0	5230	21.7	200		82.3	0 - 220
1,2,4-Trichlorobenzene	1477.0	872	26.8	50.0		59.0	10 - 193
N-Nitrosodiphenylamine	2854.0	3410	13.1	50.0		119	40 - 160
Pentachlorophenol	3411.0	3230	21.3	200	Q	94.8	10 - 206

* Values outside of QC limits

Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172311S.D
Date : 18-AUG-2023 01:50
Client ID:
Sample Info: BLH0329-SRM1

Instrument: nt17.i
Operator: JGR
Column phase: ZB-5msi
Column diameter: 0.25



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Date : 18-AUG-2023 01:50

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-SRM1

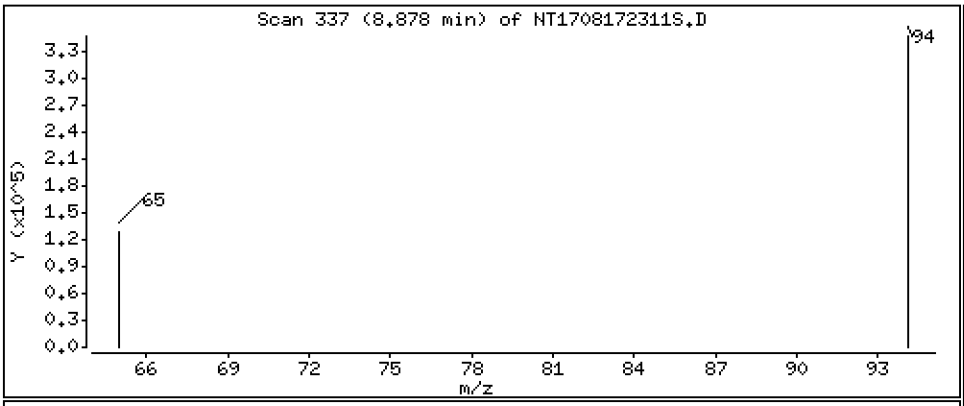
Operator: JGR

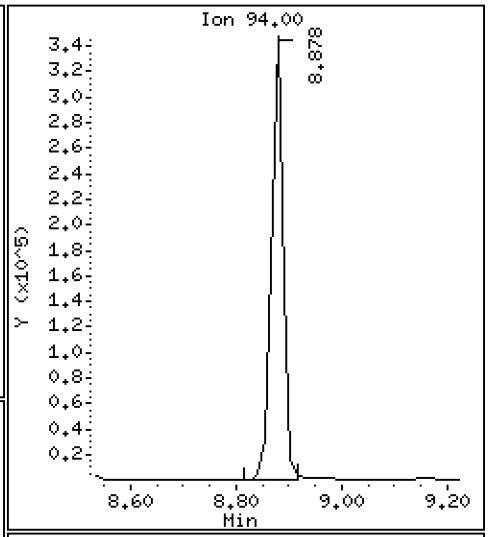
Column phase: ZB-5msi

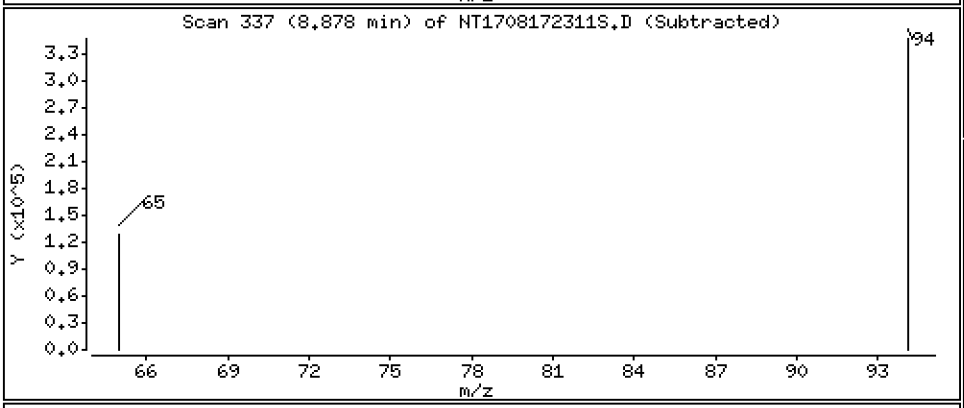
Column diameter: 0.25

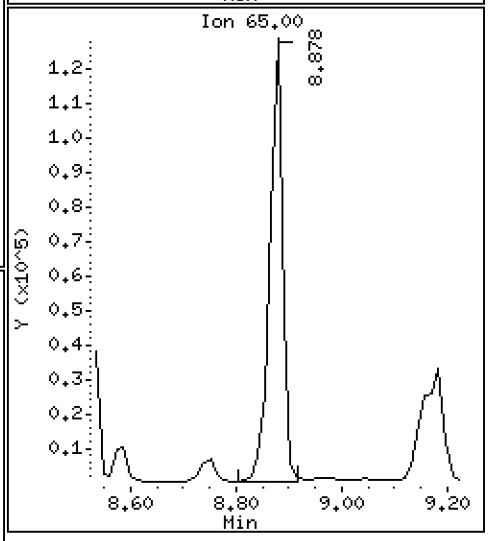
3 Phenol

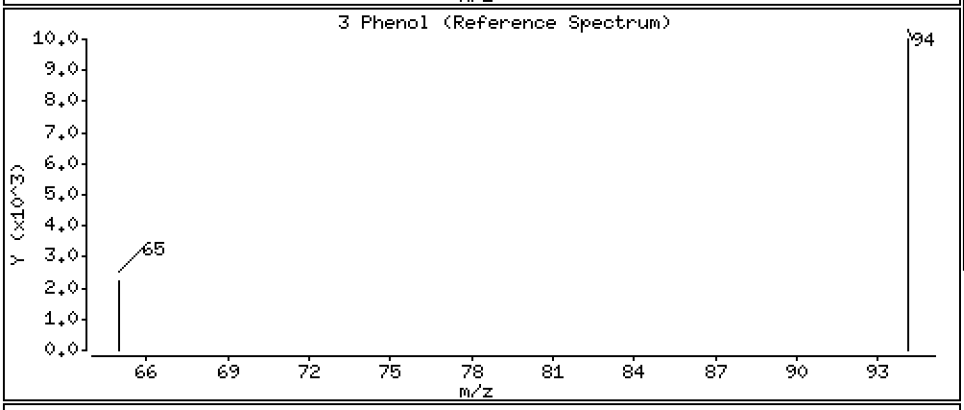
Concentration: 2.315 ug/mL

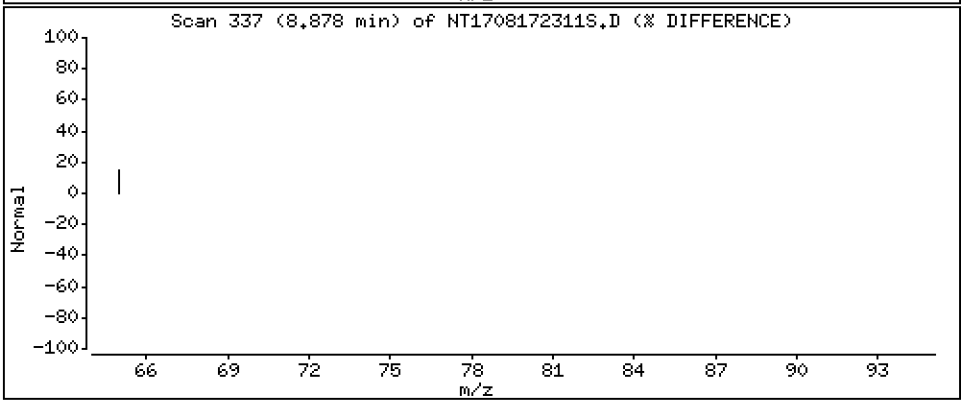












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172311S.D

Date : 18-AUG-2023 01:50

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-SRM1

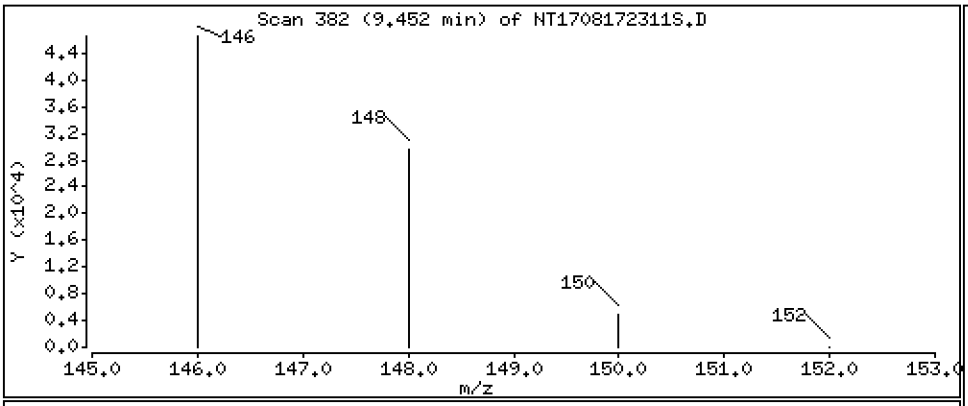
Operator: JGR

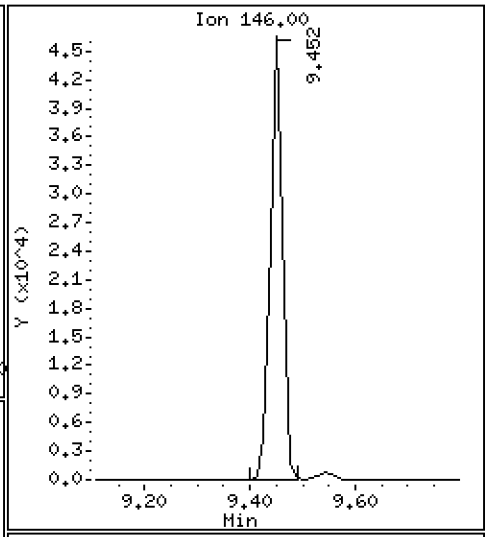
Column phase: ZB-5msi

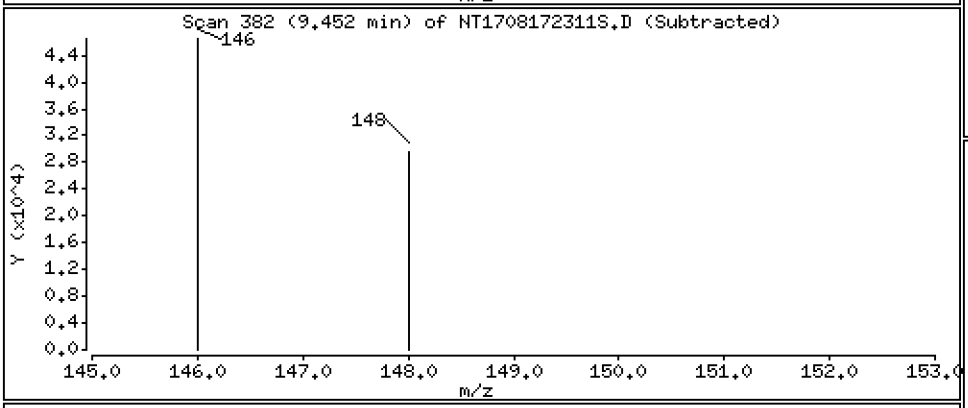
Column diameter: 0.25

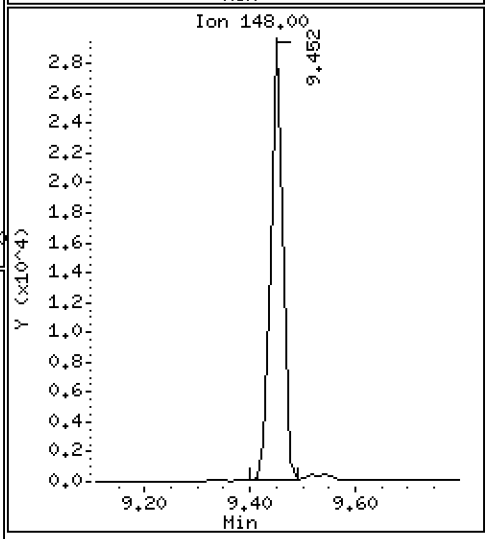
7 1,3-Dichlorobenzene

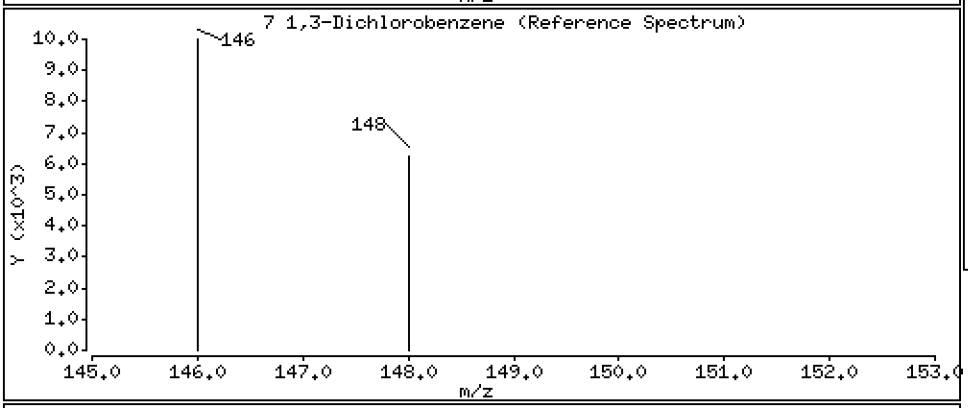
Concentration: 0.4628 ug/mL

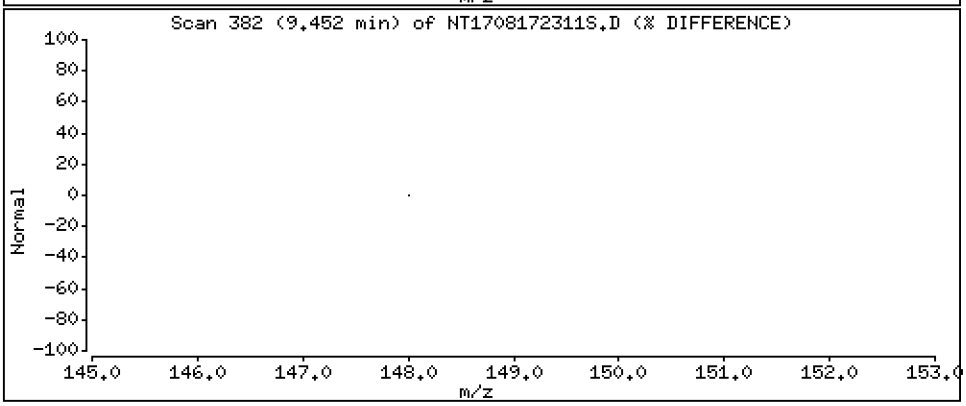












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Date : 18-AUG-2023 01:50

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-SRM1

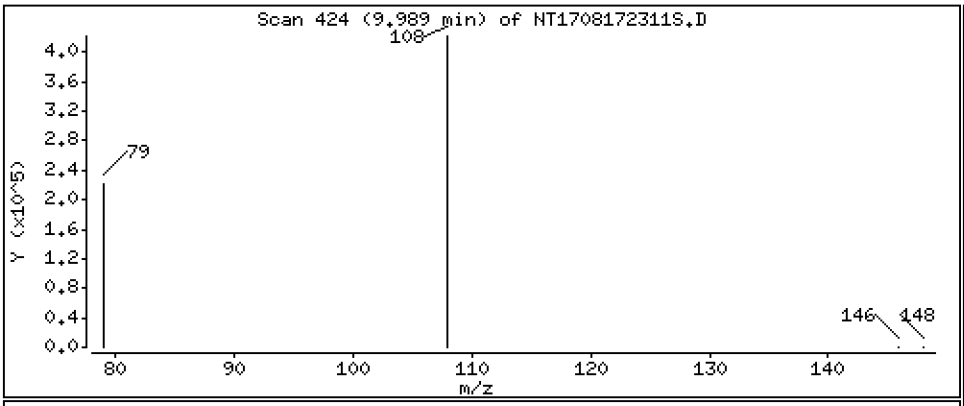
Operator: JGR

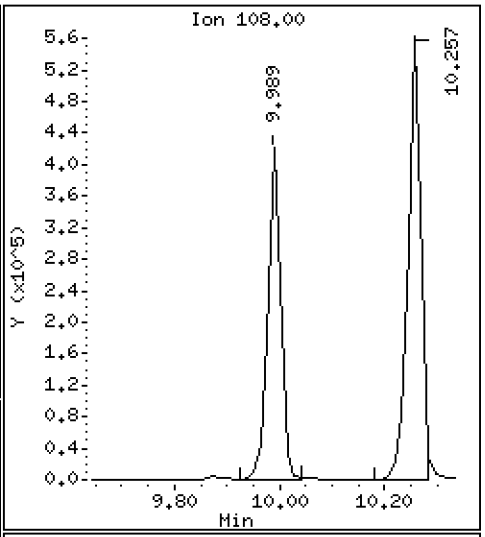
Column phase: ZB-5msi

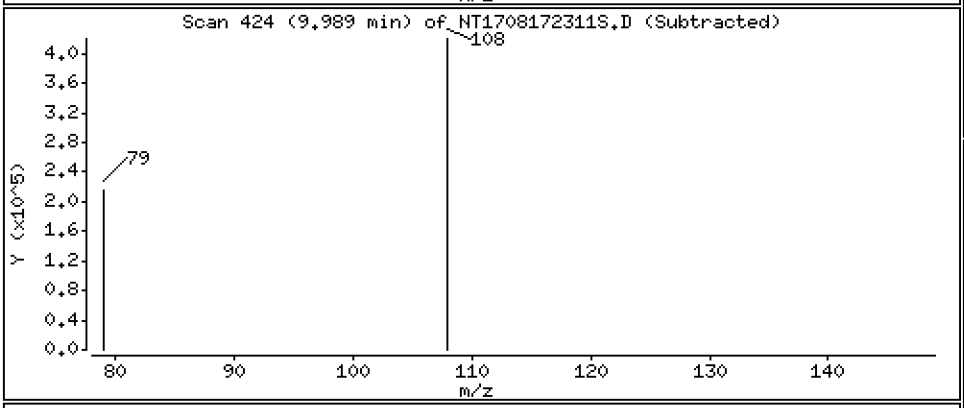
Column diameter: 0.25

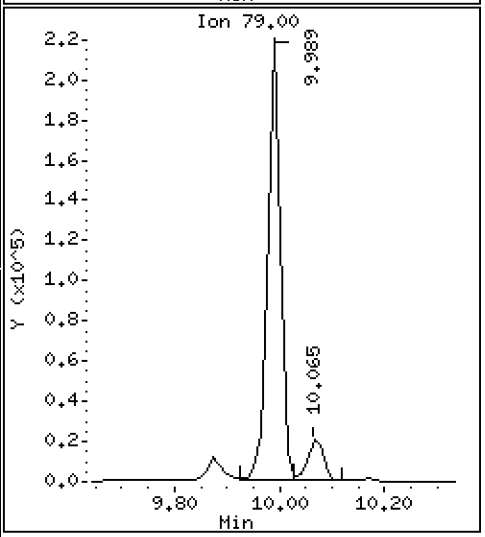
13 2-Methylphenol

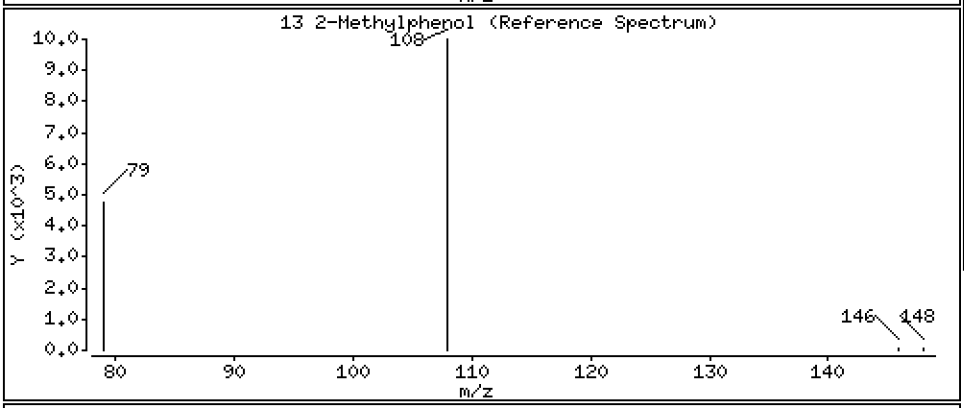
Concentration: 4.979 ug/mL

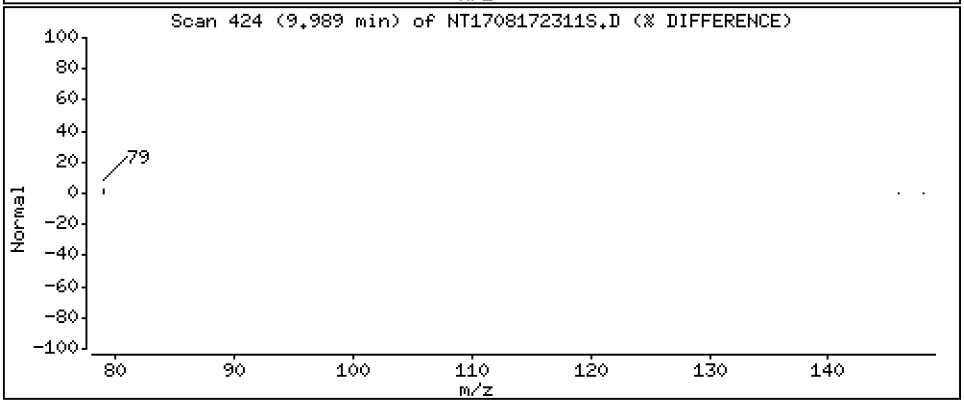












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Date : 18-AUG-2023 01:50

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-SRM1

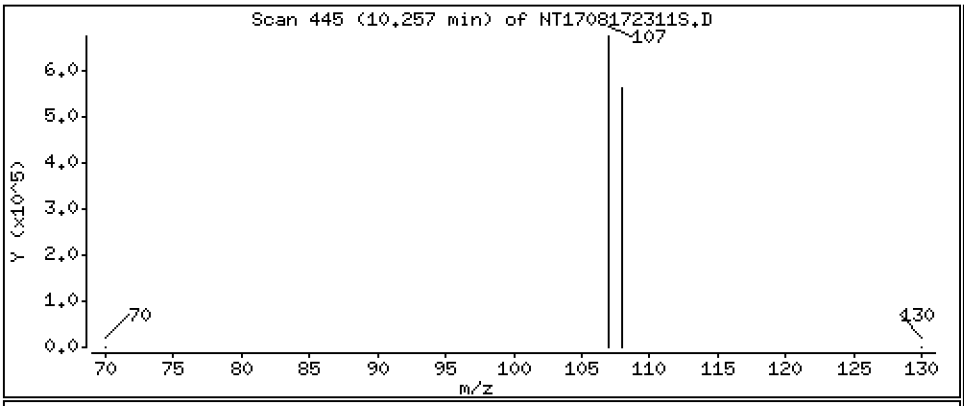
Operator: JGR

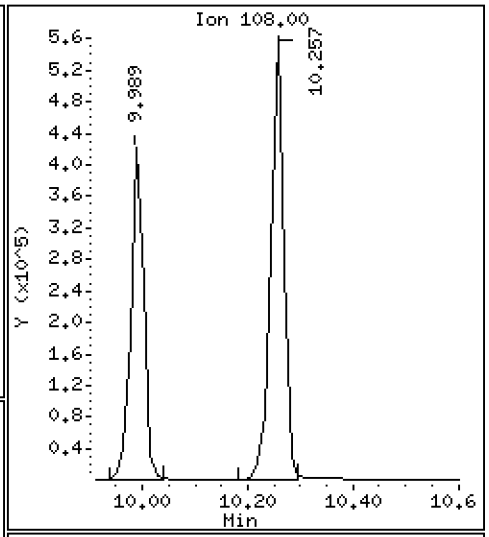
Column phase: ZB-5msi

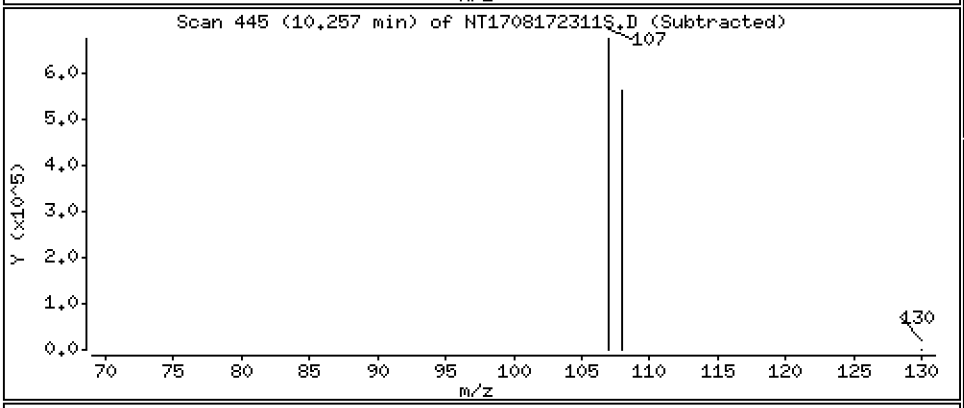
Column diameter: 0.25

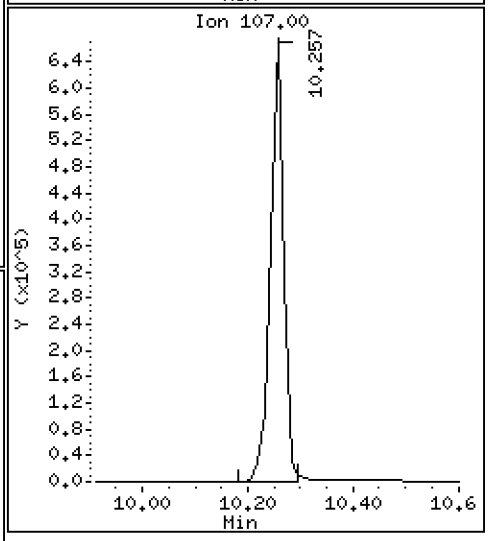
15 4-Methylphenol

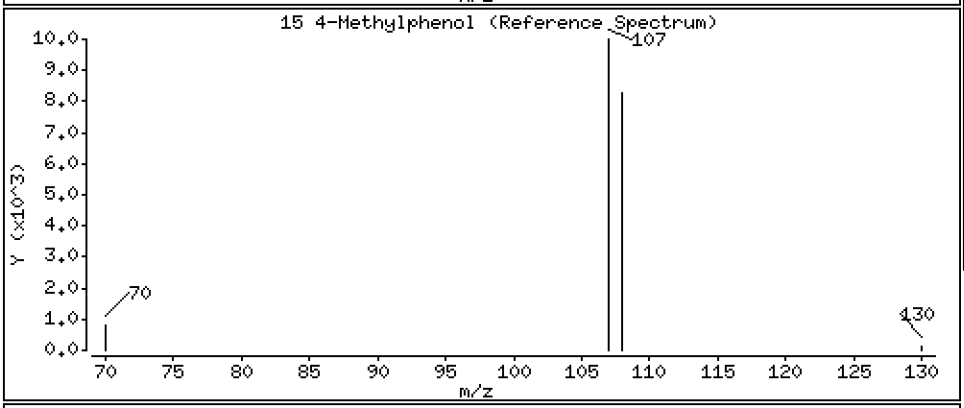
Concentration: 6.420 ug/mL

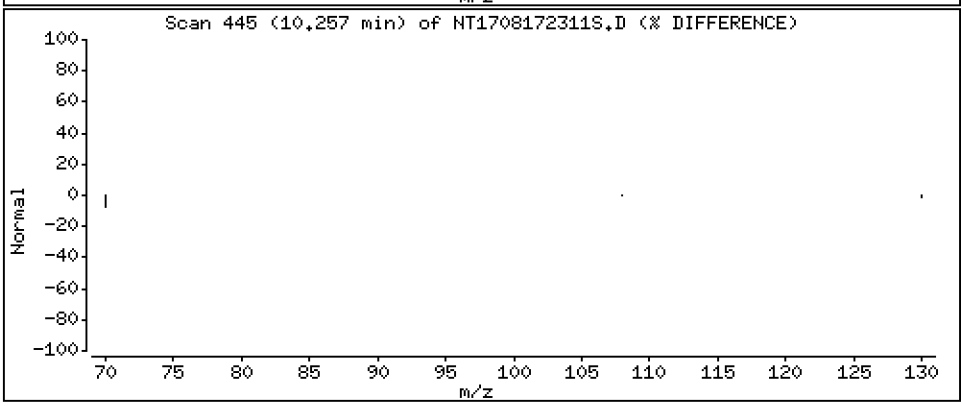












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Date : 18-AUG-2023 01:50

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-SRM1

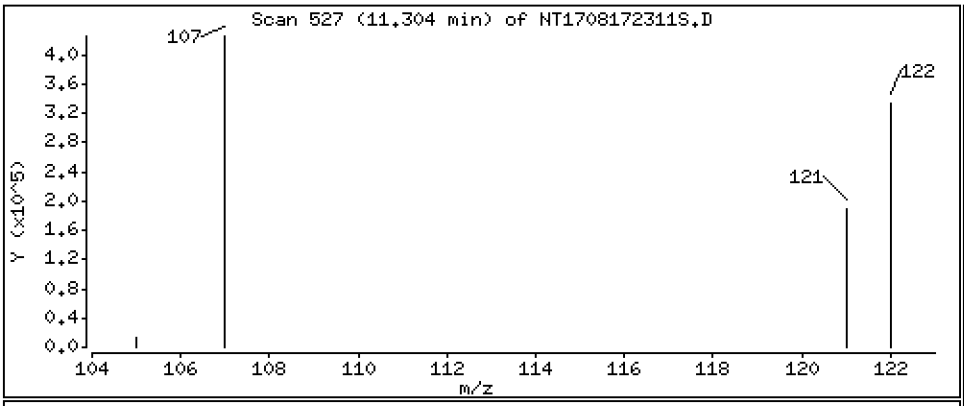
Operator: JGR

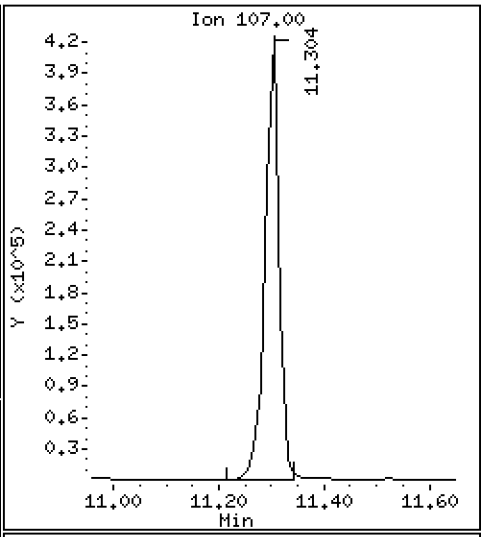
Column phase: ZB-5msi

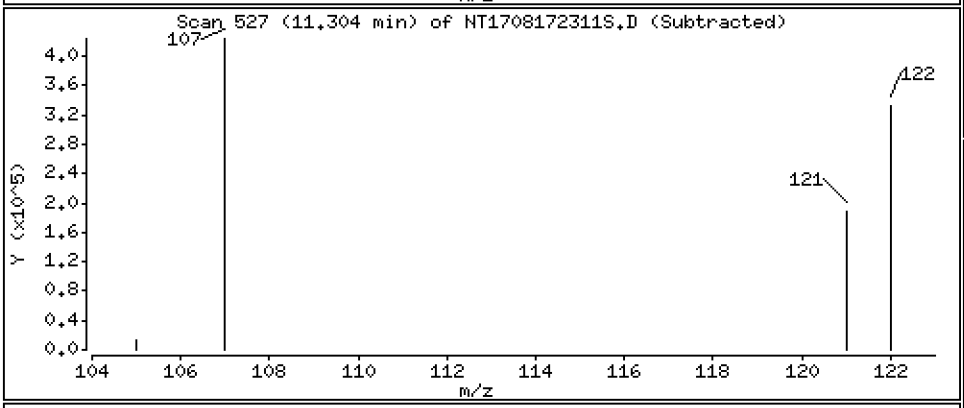
Column diameter: 0.25

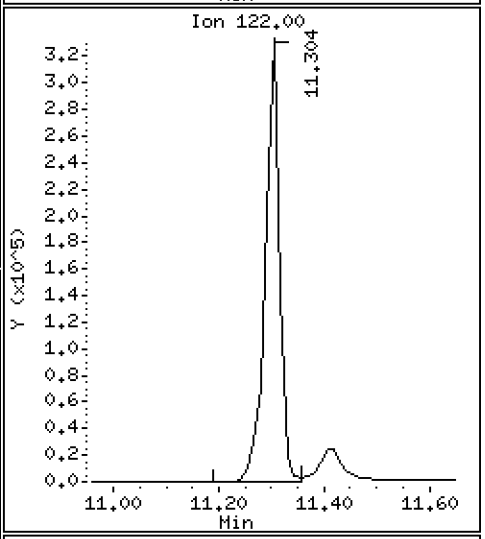
22 2,4-Dimethylphenol

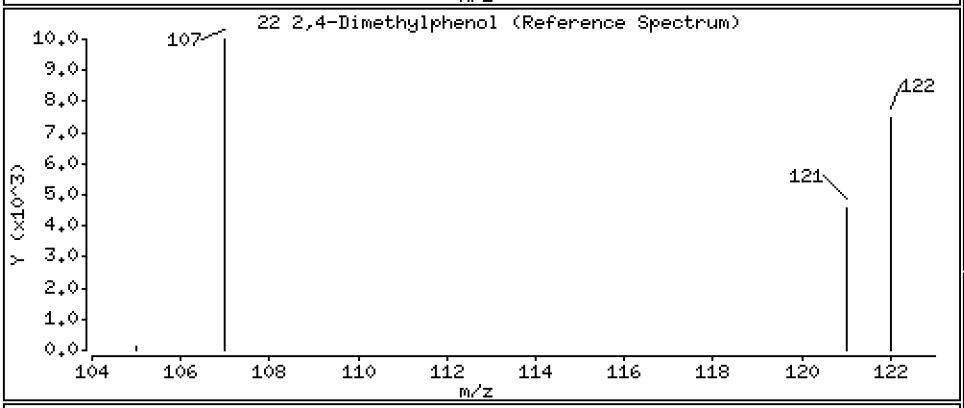
Concentration: 5.233 ug/mL

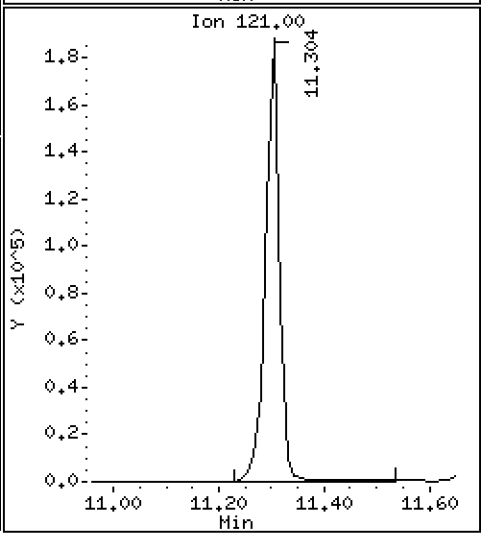


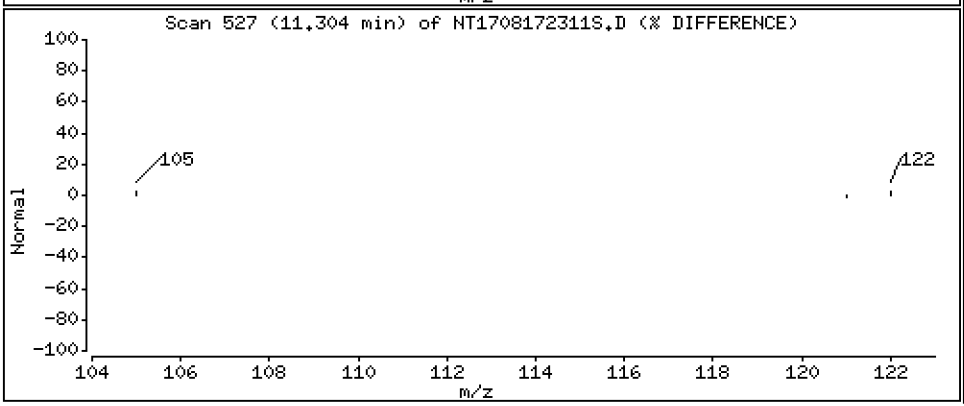












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Date : 18-AUG-2023 01:50

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-SRM1

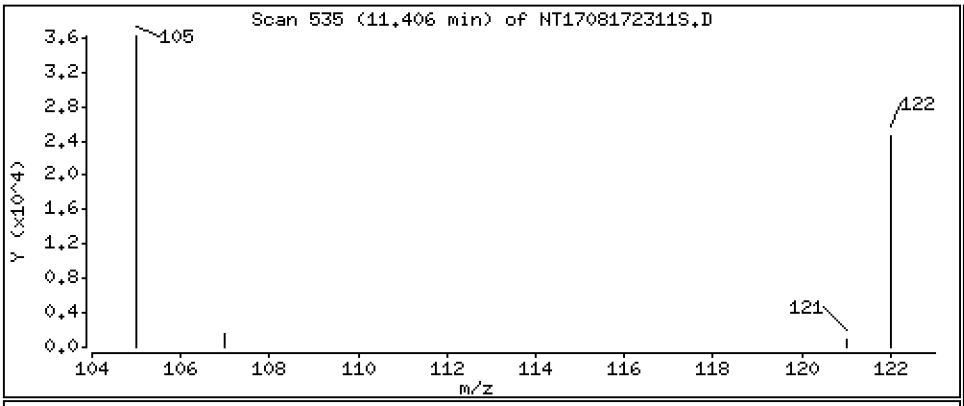
Operator: JGR

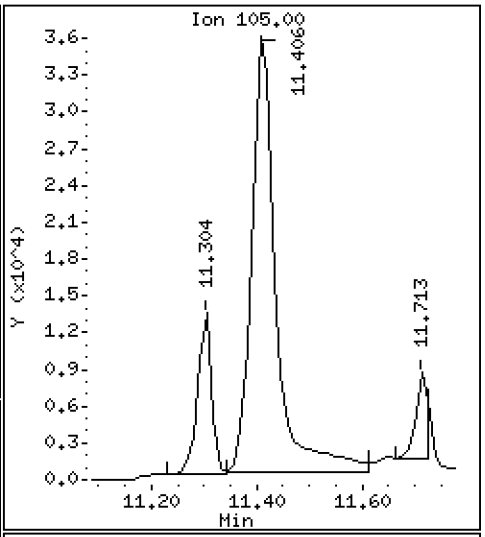
Column phase: ZB-5msi

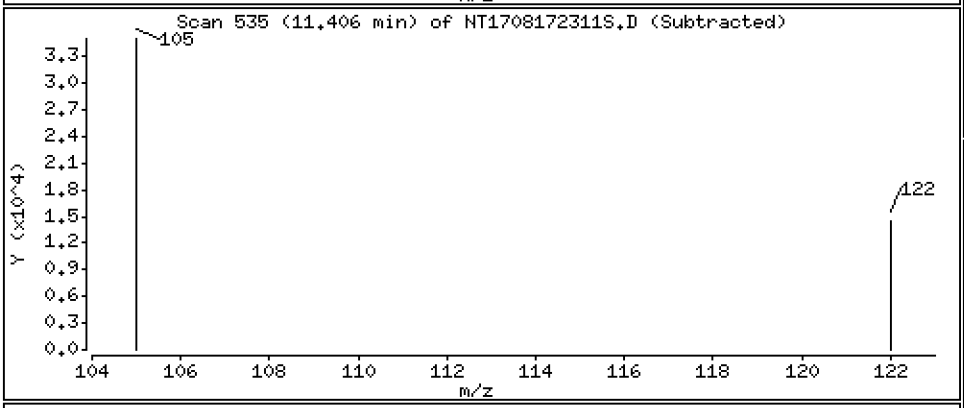
Column diameter: 0.25

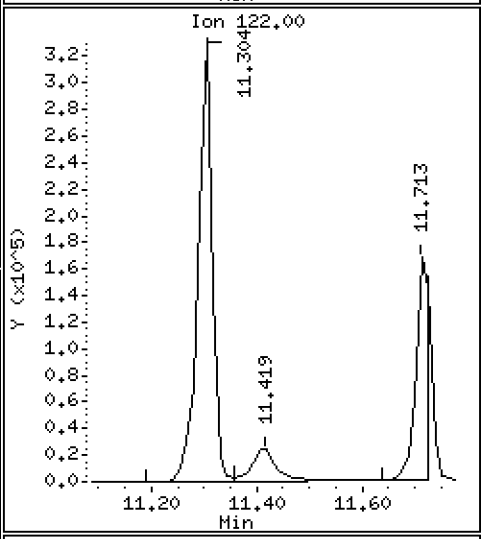
24 Benzoic acid

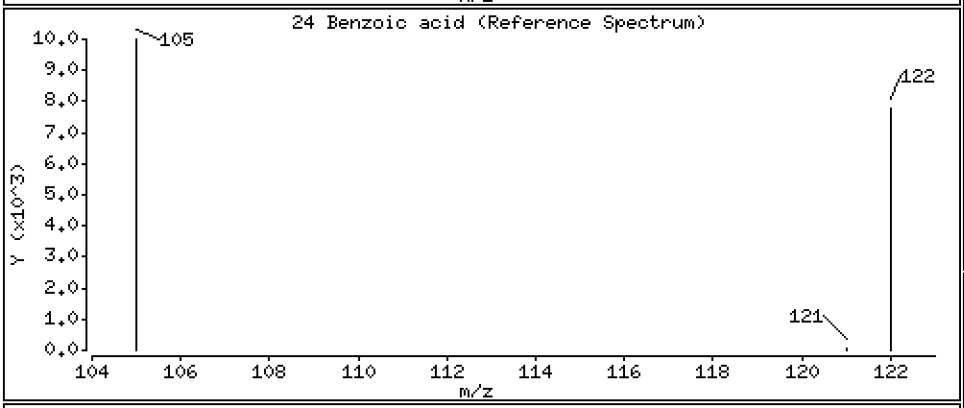
Concentration: 1.170 ug/mL

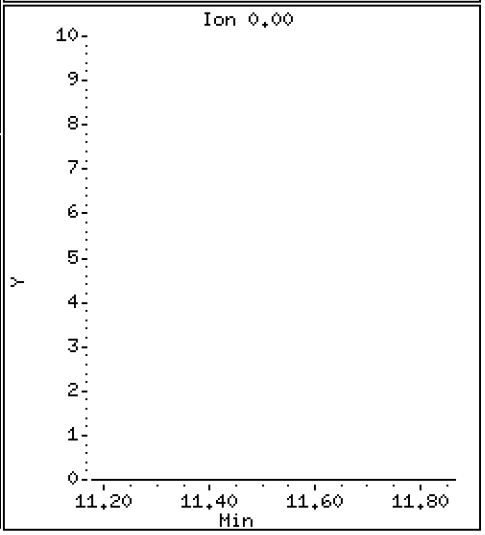


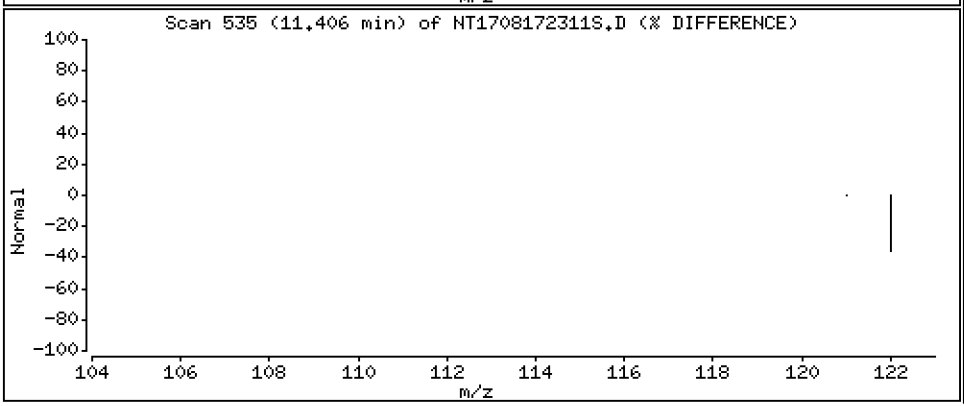












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172311S.D

Date : 18-AUG-2023 01:50

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-SRM1

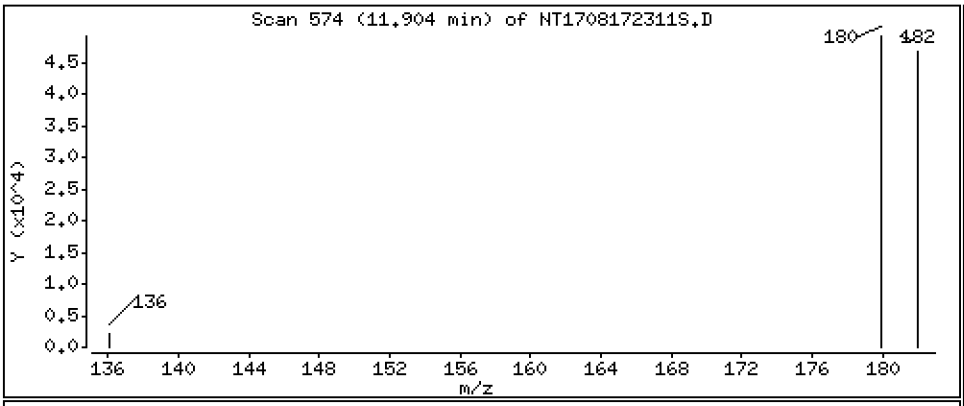
Operator: JGR

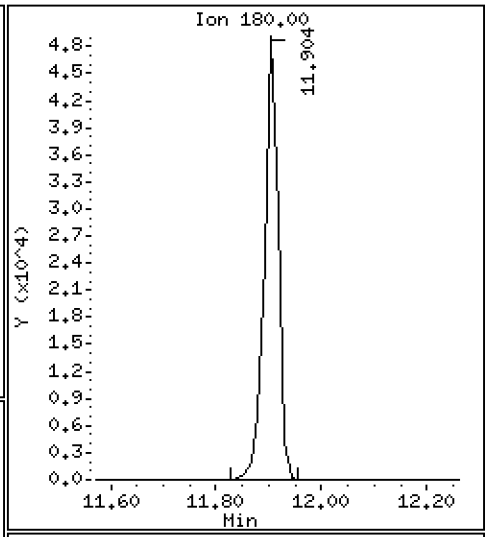
Column phase: ZB-5msi

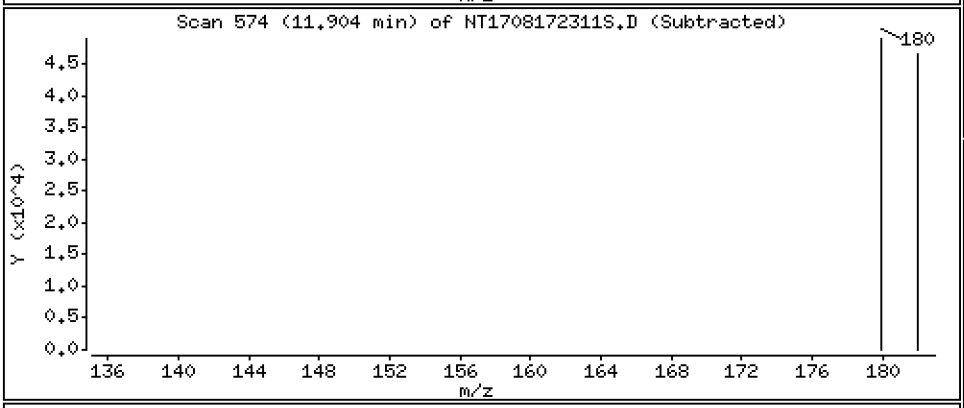
Column diameter: 0.25

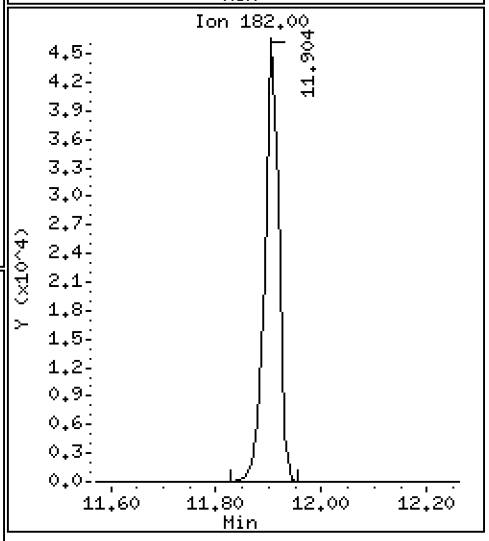
26 1,2,4-Trichlorobenzene

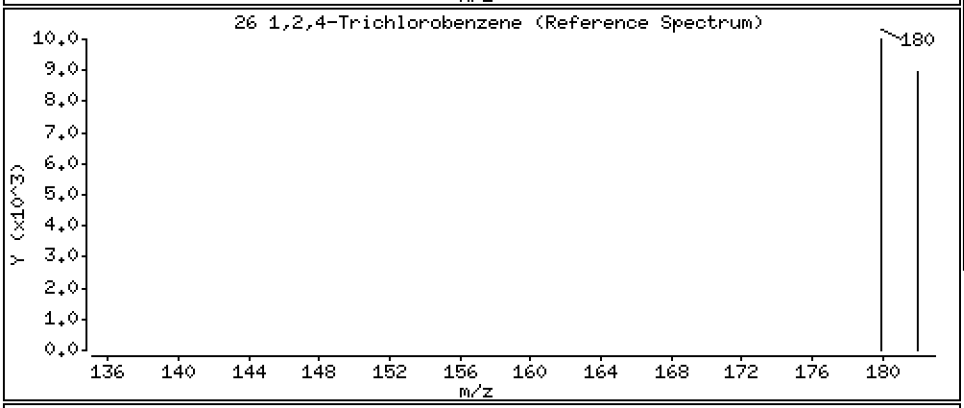
Concentration: 0.8720 ug/mL

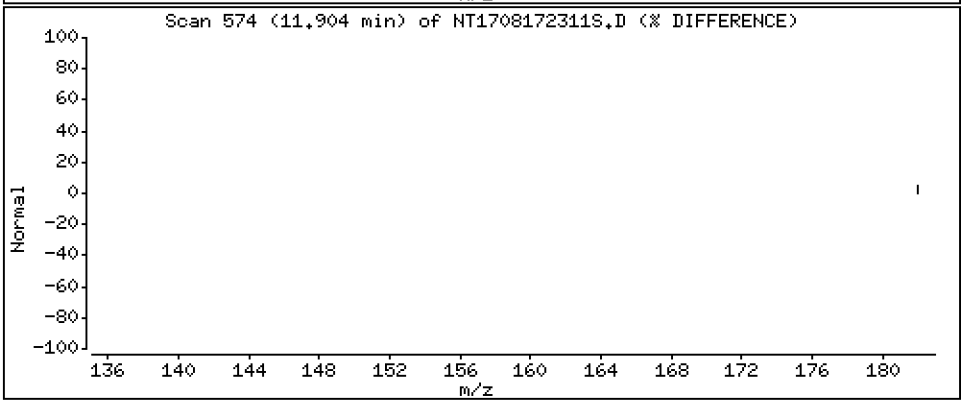












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172311S.D

Date : 18-AUG-2023 01:50

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-SRM1

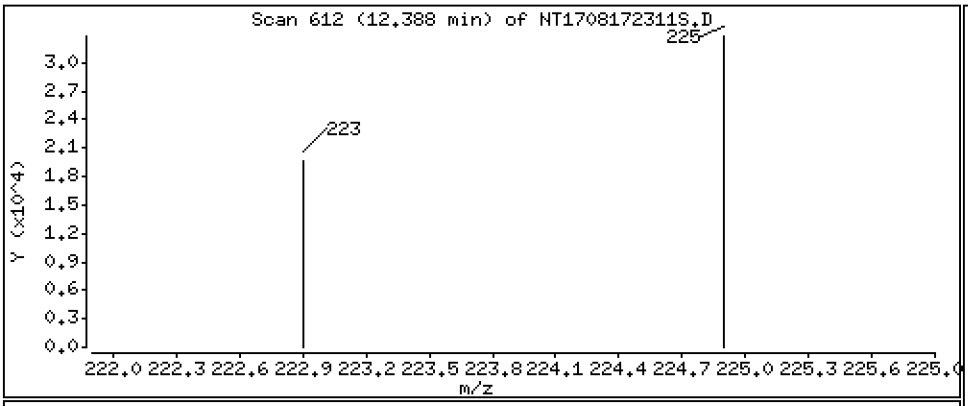
Operator: JGR

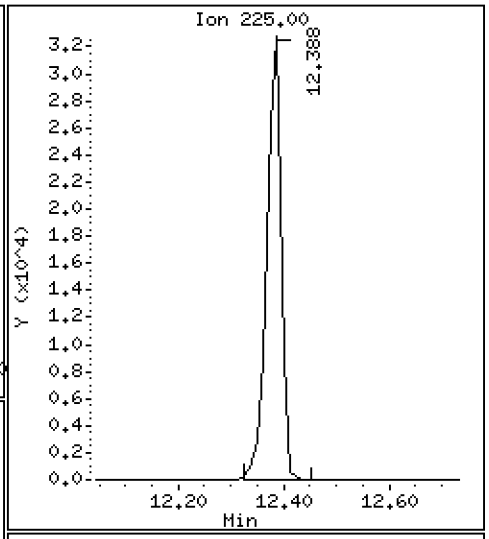
Column phase: ZB-5msi

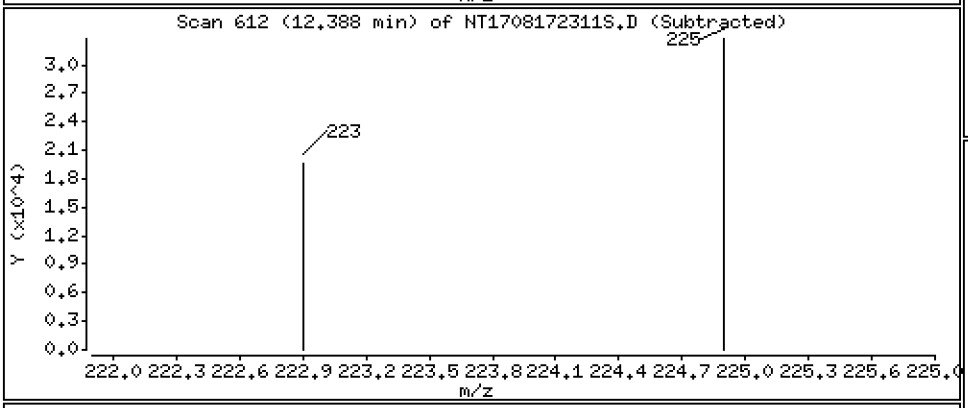
Column diameter: 0.25

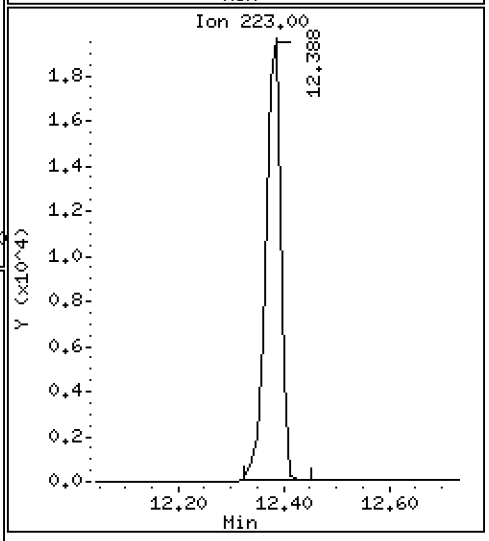
30 Hexachlorobutadiene

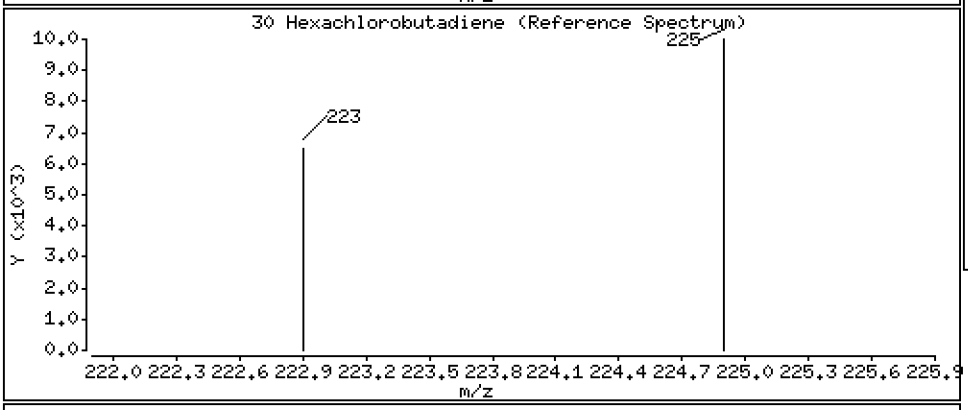
Concentration: 1.295 ug/mL

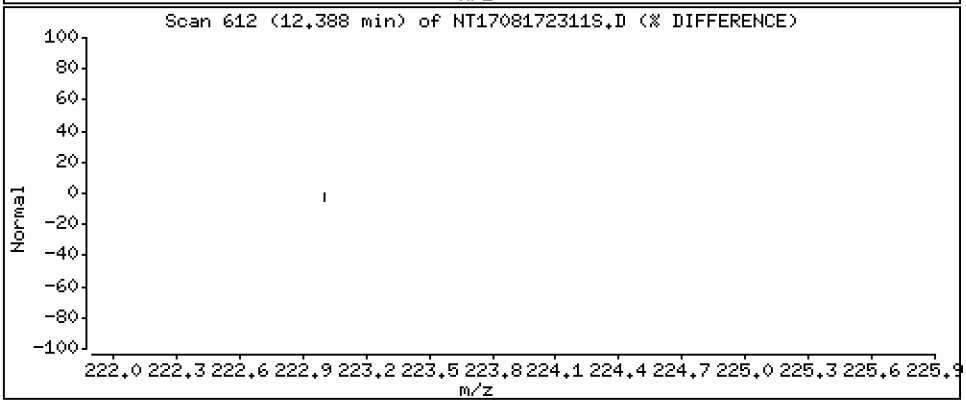












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT17081723115.D

Date : 18-AUG-2023 01:50

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-SRM1

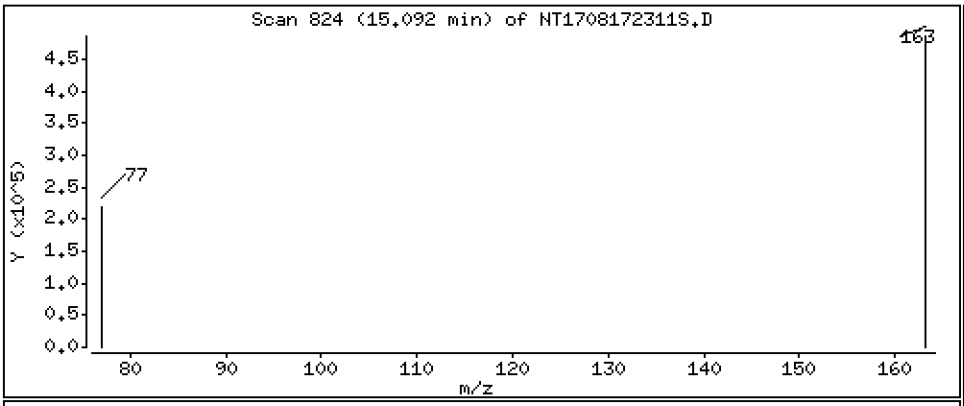
Operator: JGR

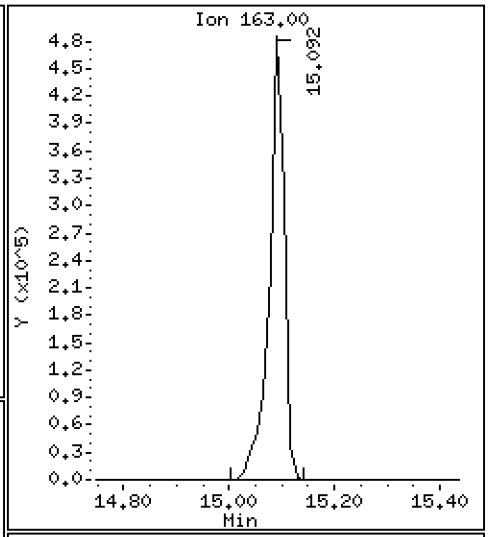
Column phase: ZB-5msi

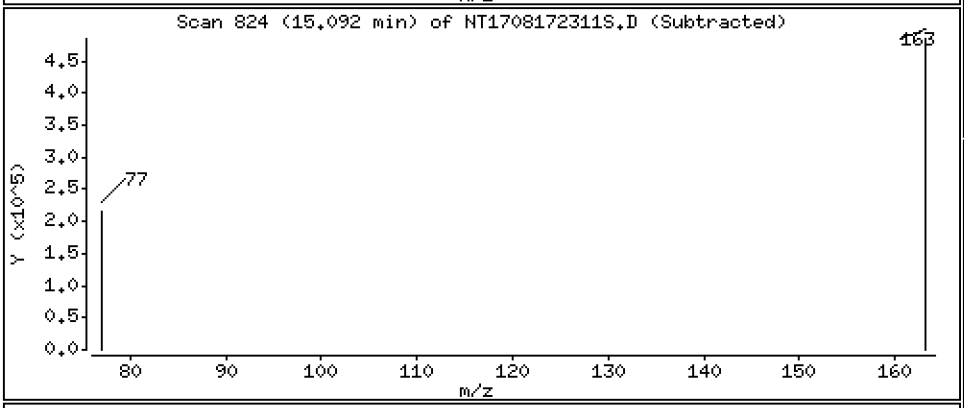
Column diameter: 0.25

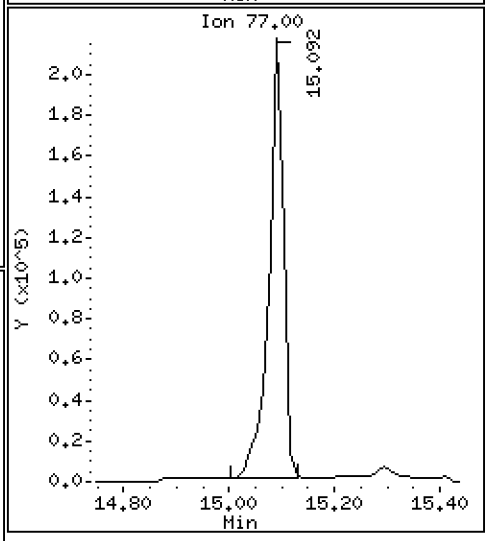
39 Dimethylphthalate

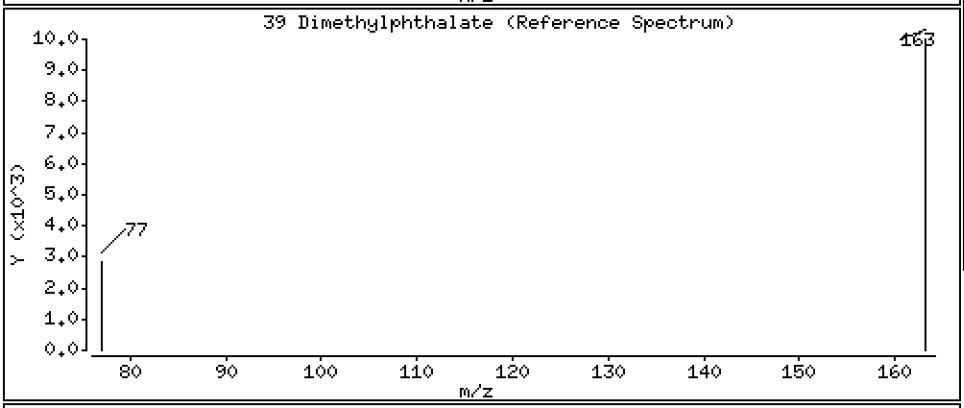
Concentration: 4.442 ug/mL

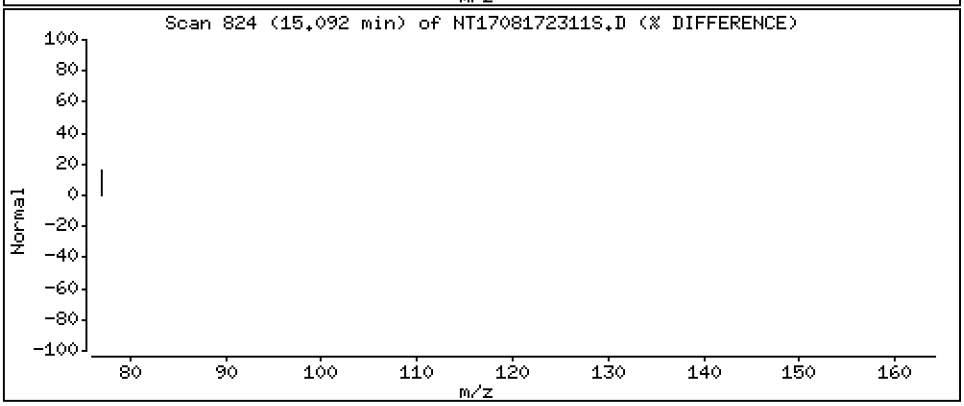












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Date : 18-AUG-2023 01:50

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-SRM1

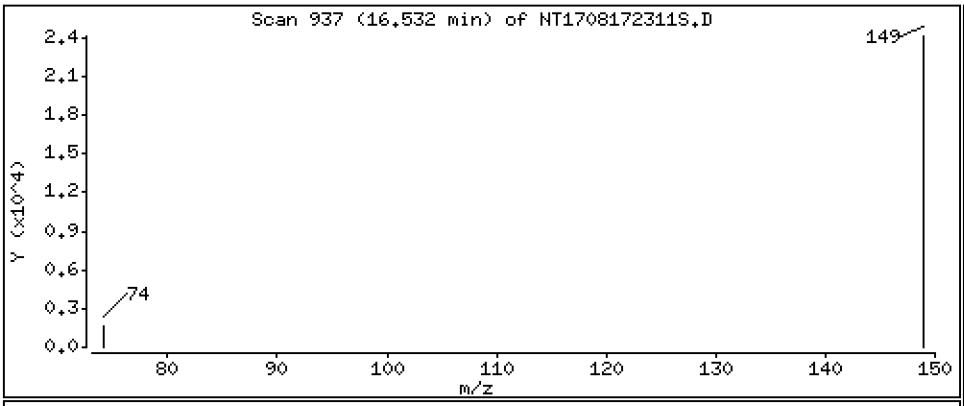
Operator: JGR

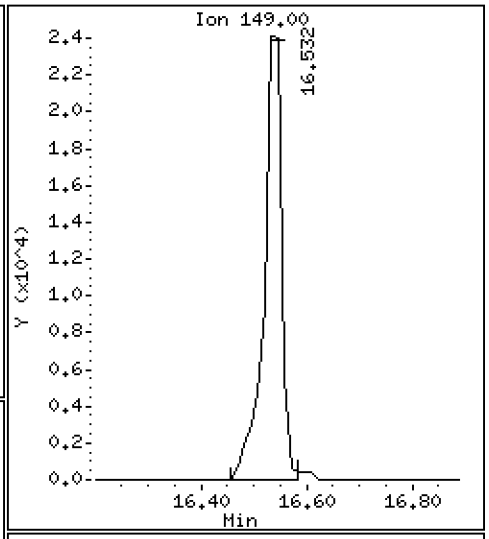
Column phase: ZB-5msi

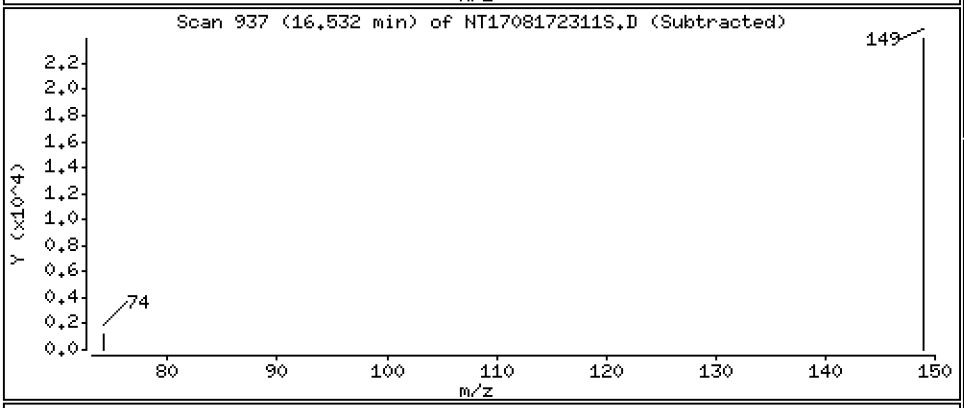
Column diameter: 0.25

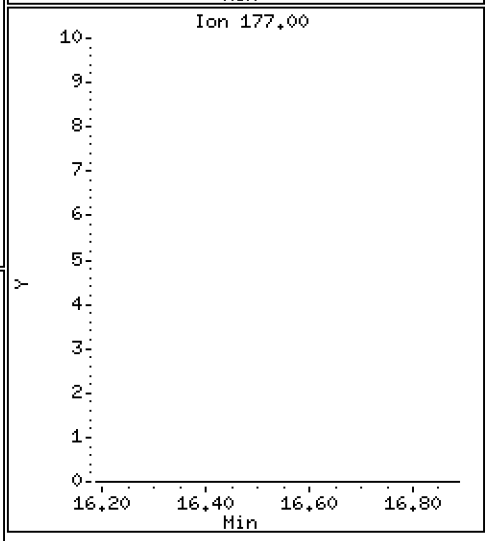
50 Diethylphthalate

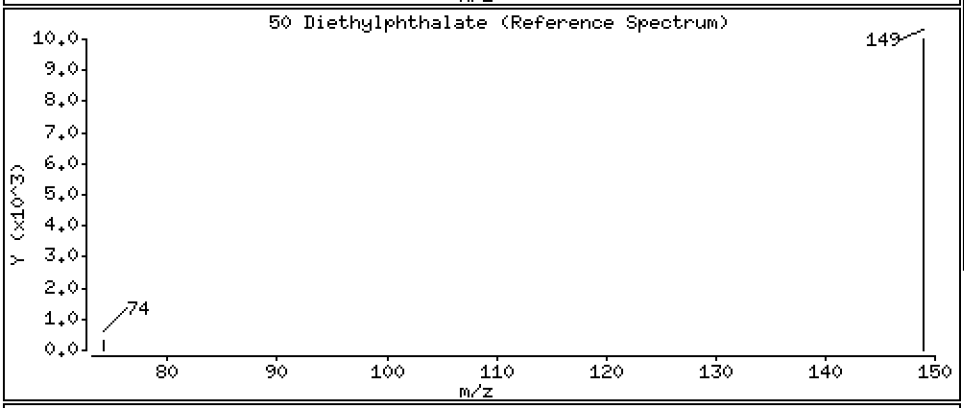
Concentration: 0.2540 ug/mL

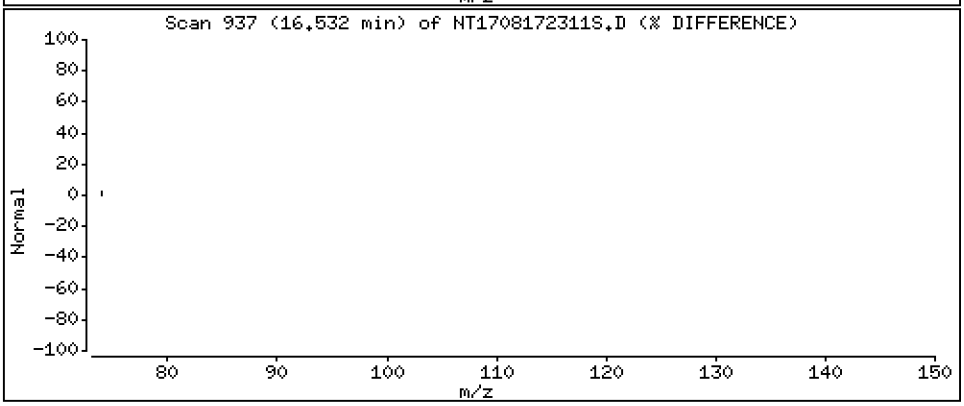












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Date : 18-AUG-2023 01:50

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-SRM1

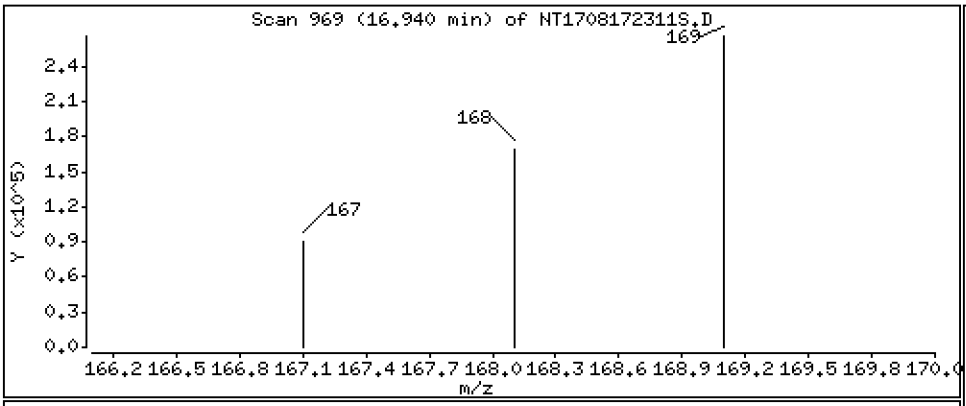
Operator: JGR

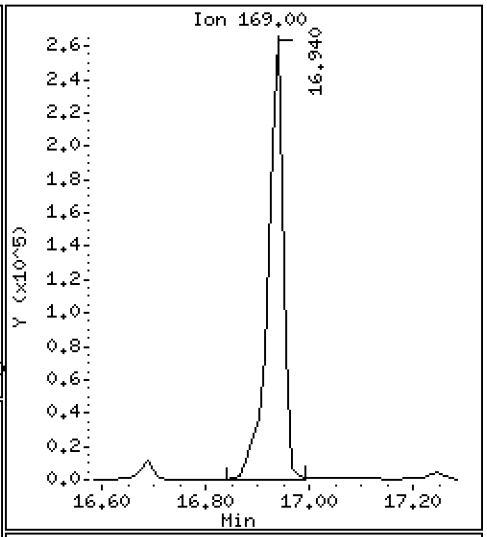
Column phase: ZB-5msi

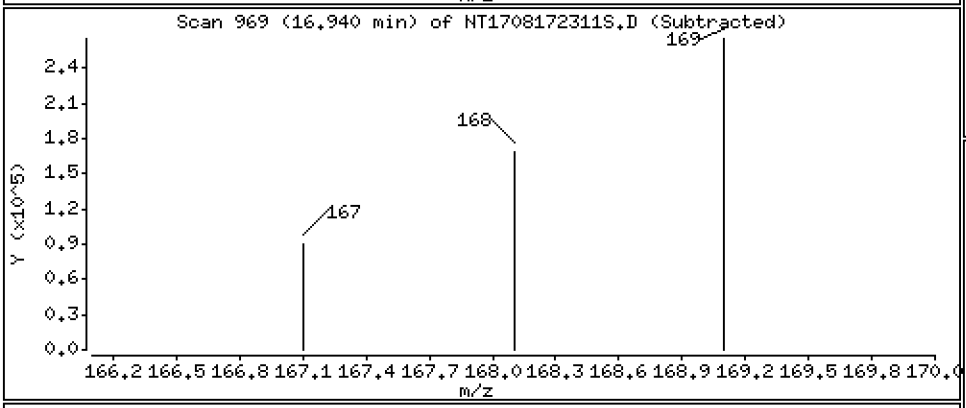
Column diameter: 0.25

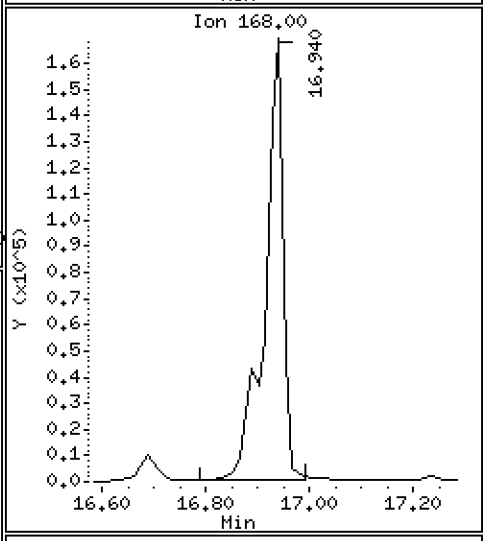
54 N-Nitrosodiphenylamine

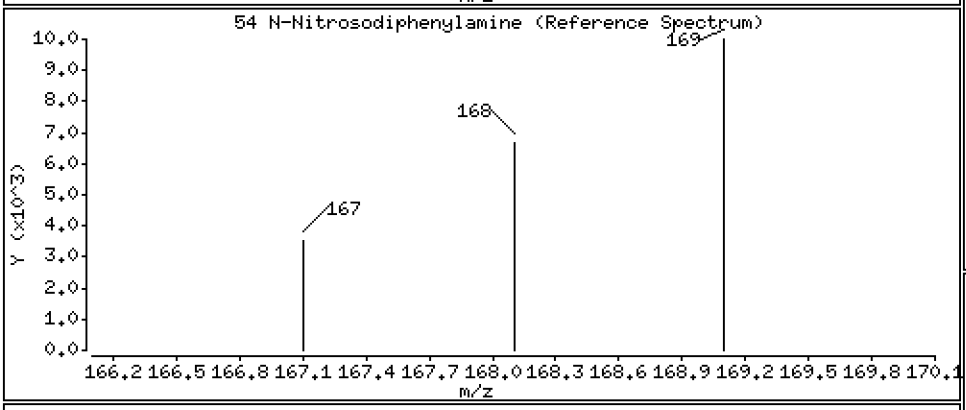
Concentration: 3.405 ug/mL

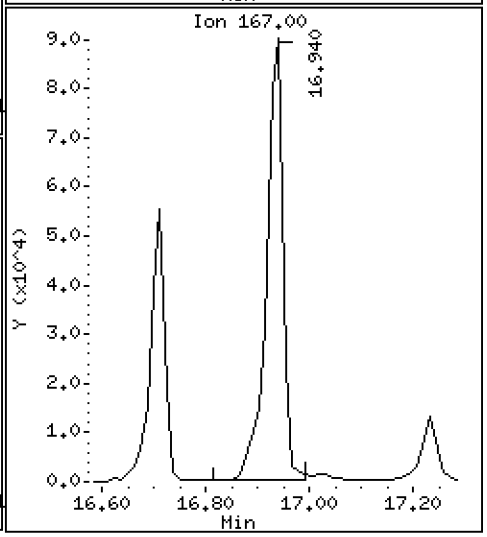


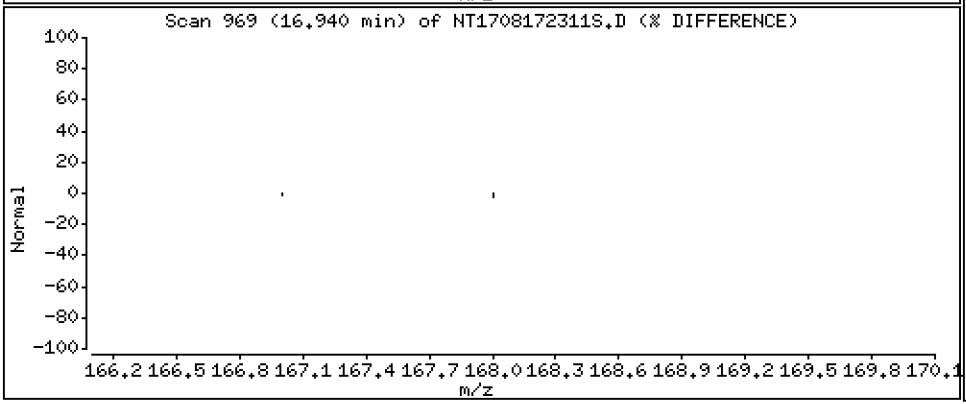












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172311S.D

Date : 18-AUG-2023 01:50

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-SRM1

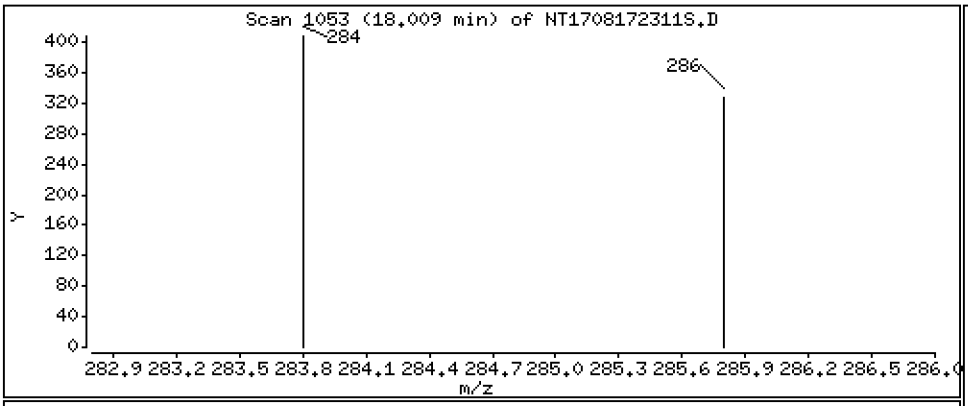
Operator: JGR

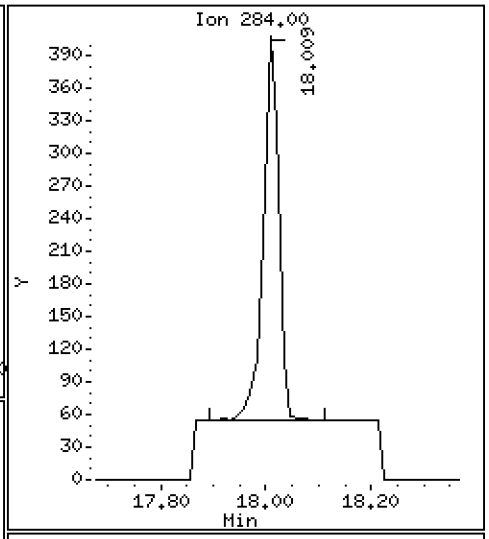
Column phase: ZB-5msi

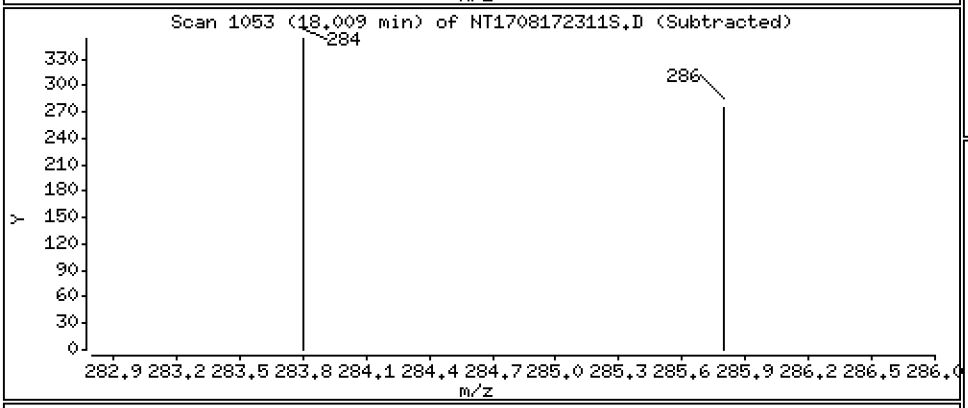
Column diameter: 0.25

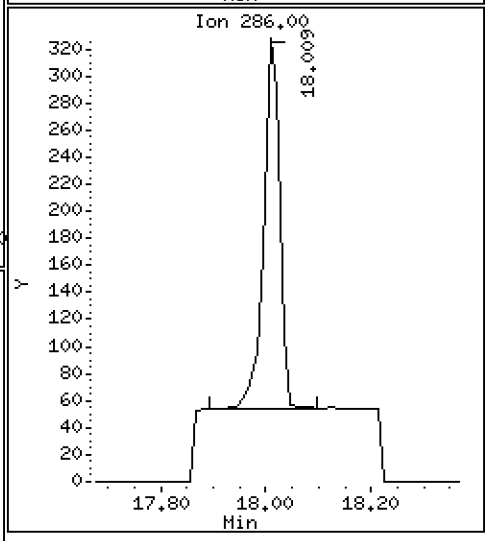
57 Hexachlorobenzene

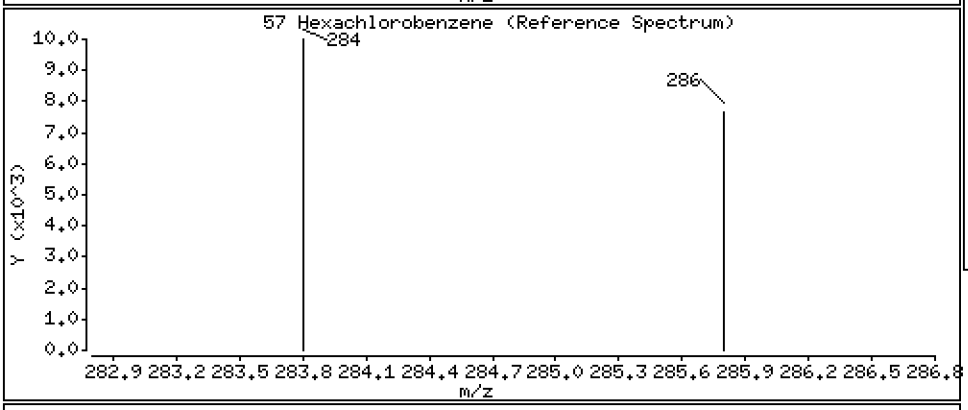
Concentration: 0.01416 ug/mL

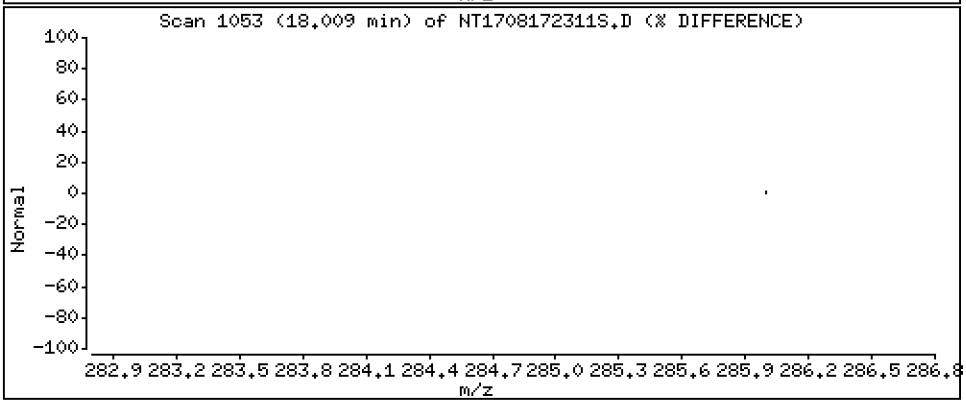












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172311S.D

Date : 18-AUG-2023 01:50

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-SRM1

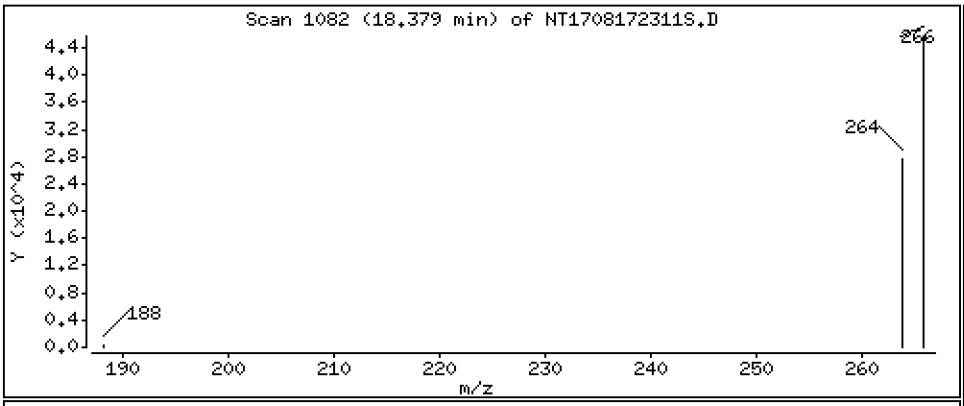
Operator: JGR

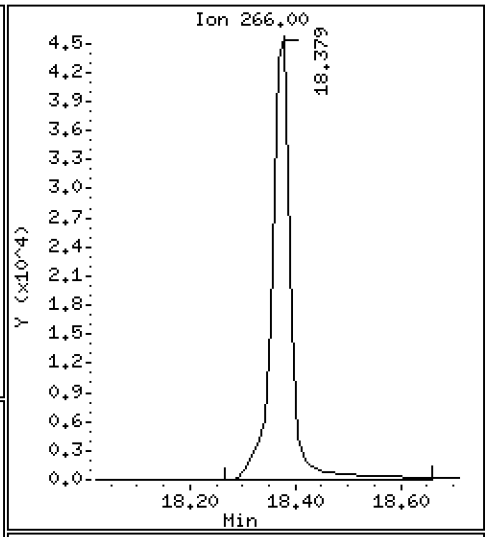
Column phase: ZB-5msi

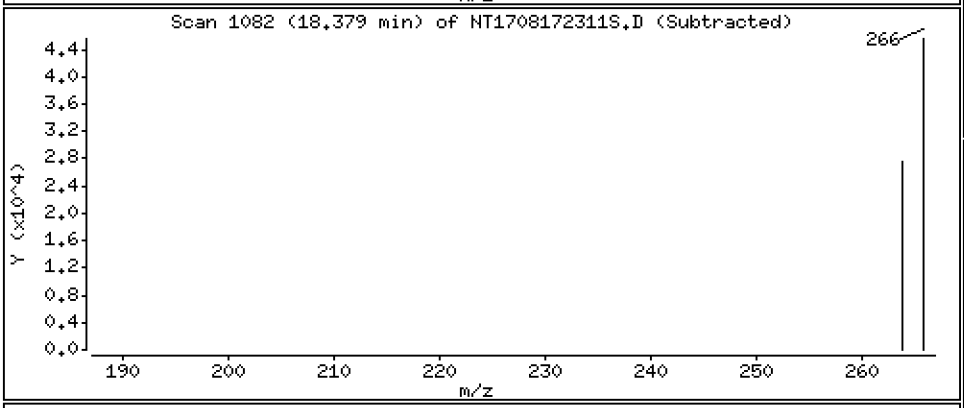
Column diameter: 0.25

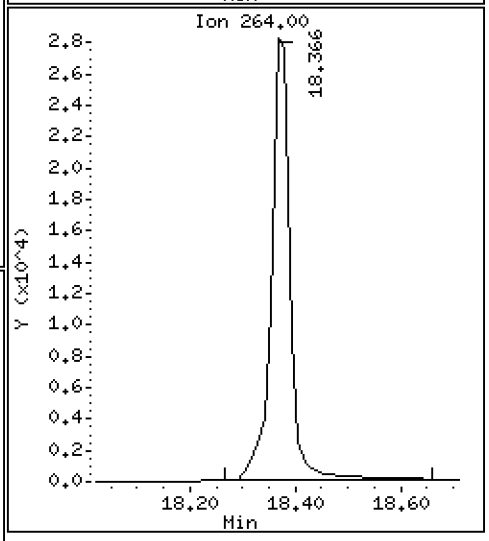
58 Pentachlorophenol

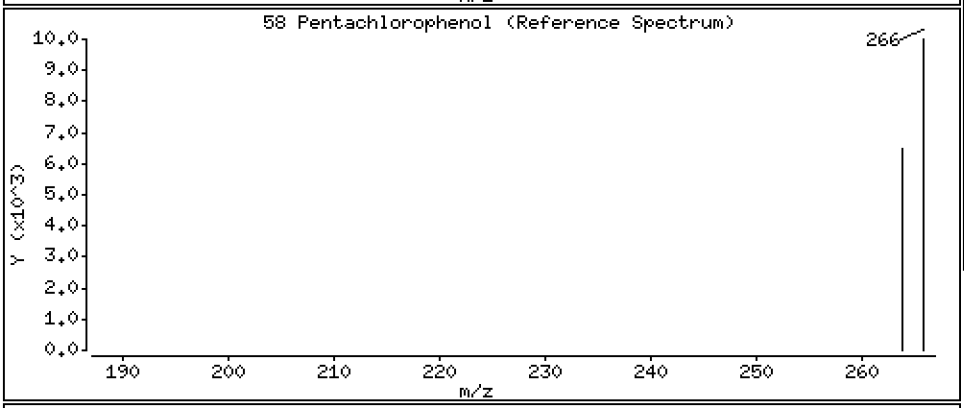
Concentration: 3.234 ug/mL

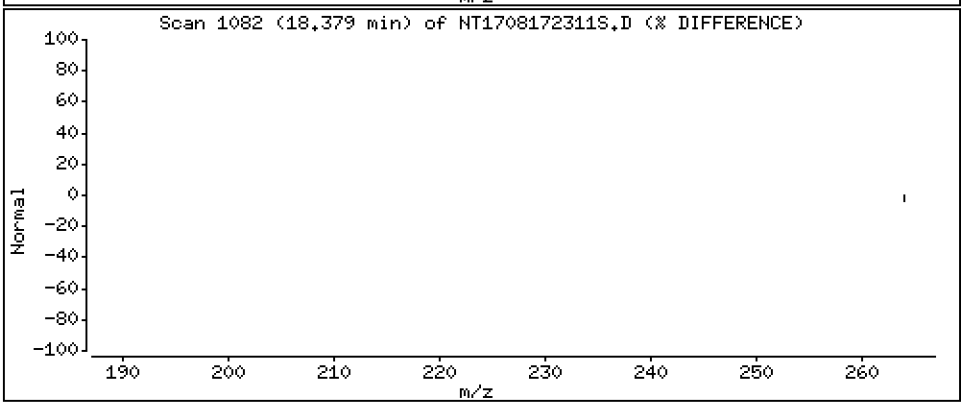












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Date : 18-AUG-2023 01:50

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-SRM1

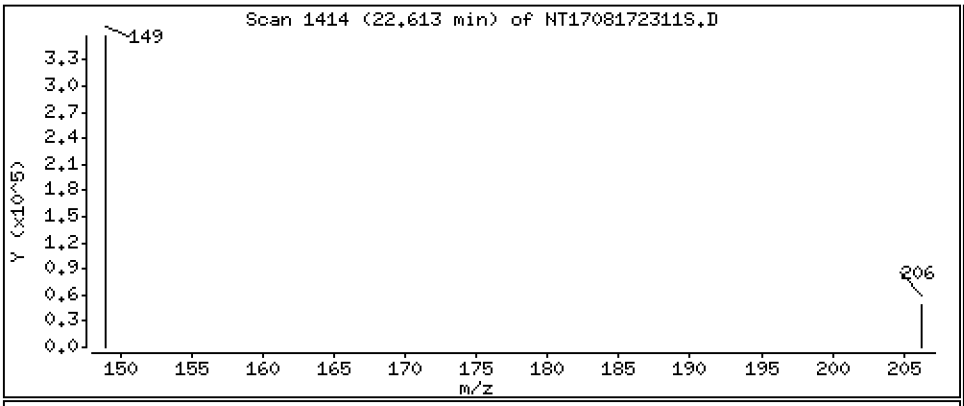
Operator: JGR

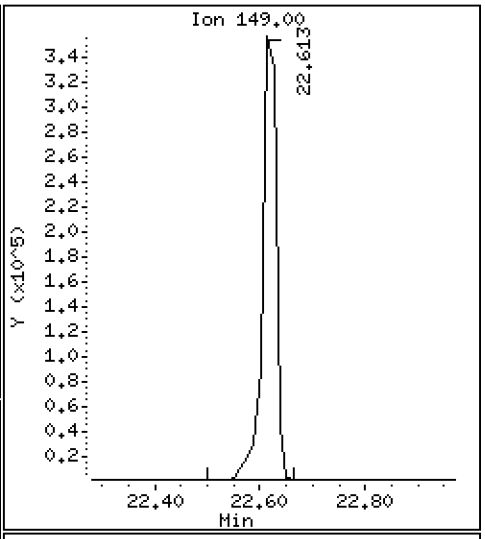
Column phase: ZB-5msi

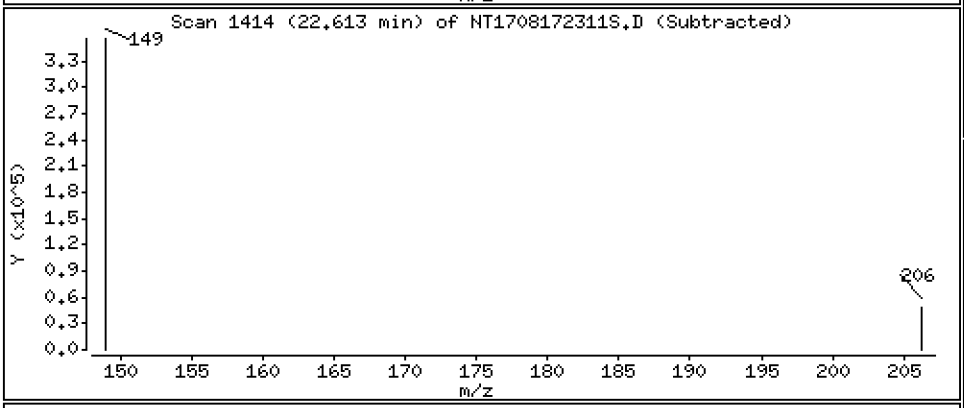
Column diameter: 0.25

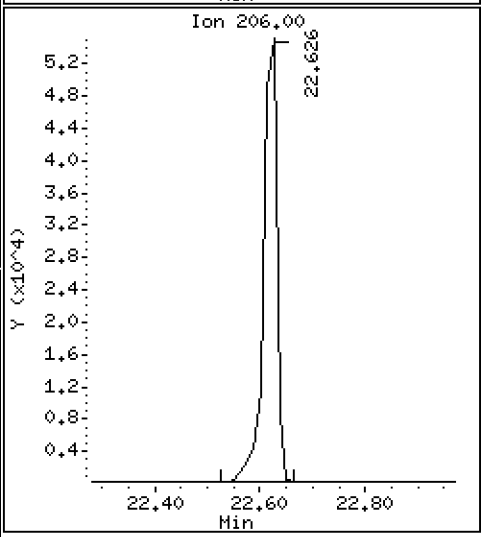
67 Butylbenzylphthalate

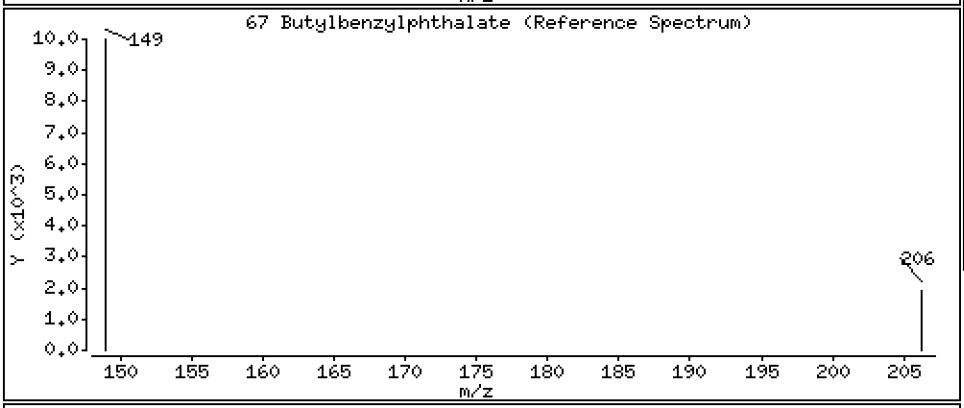
Concentration: 3.567 ug/mL

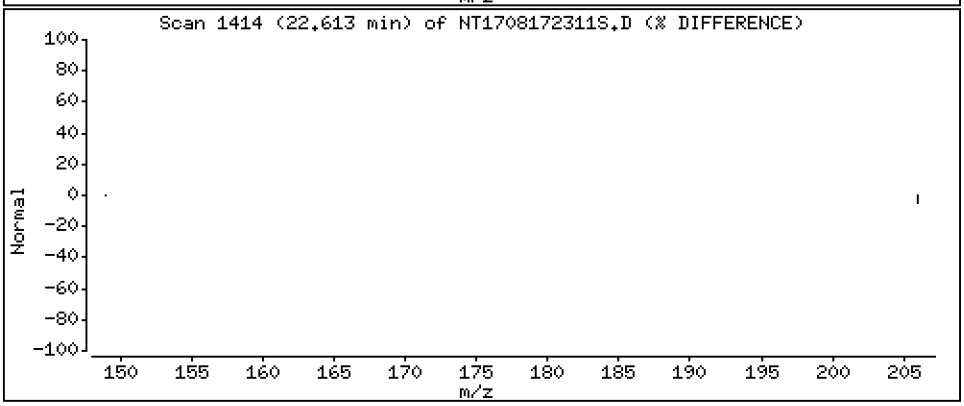












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Date : 18-AUG-2023 01:50

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-SRM1

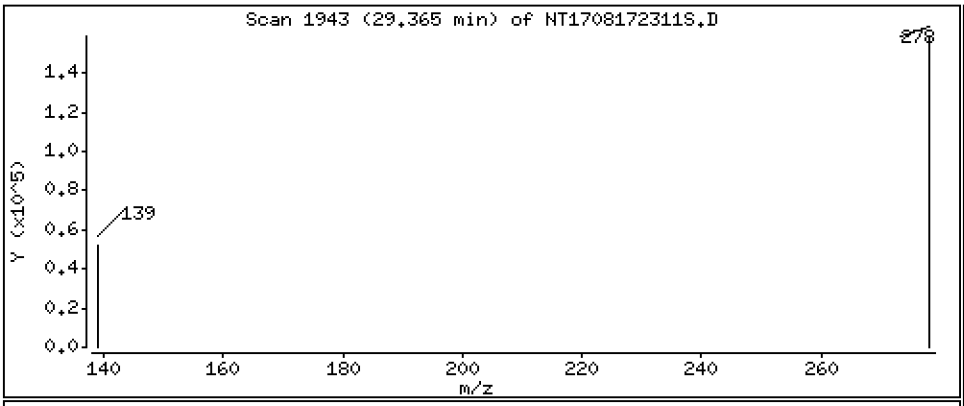
Operator: JGR

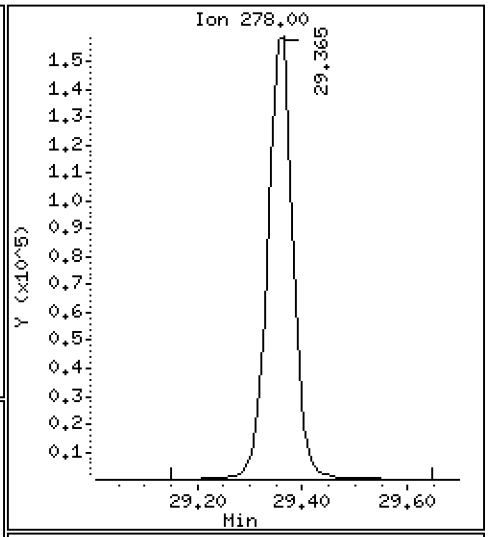
Column phase: ZB-5msi

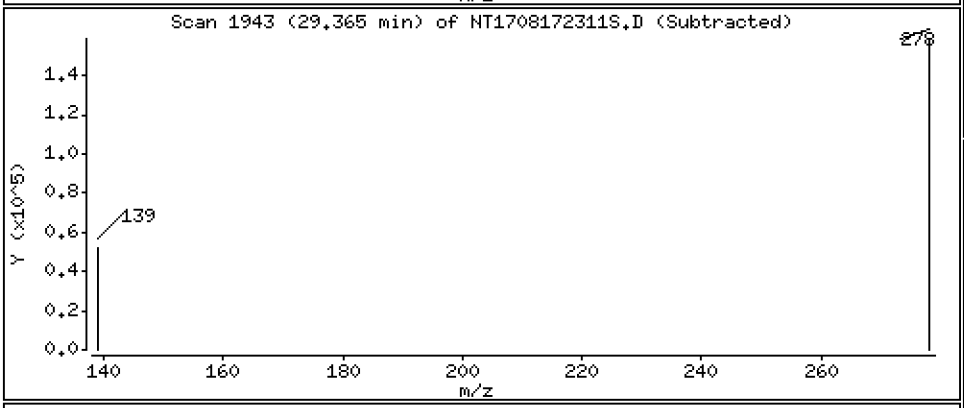
Column diameter: 0.25

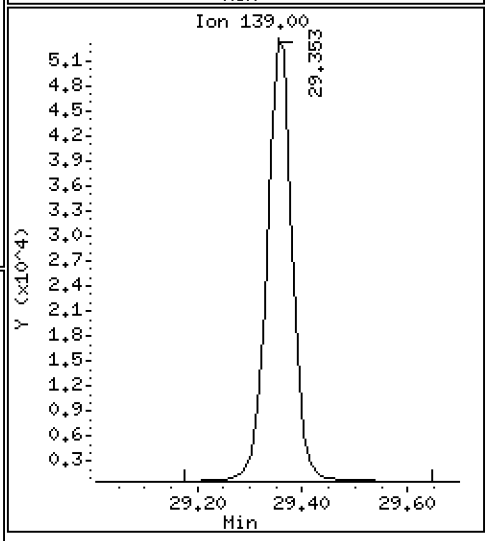
79 Dibenzo(a,h)anthracene

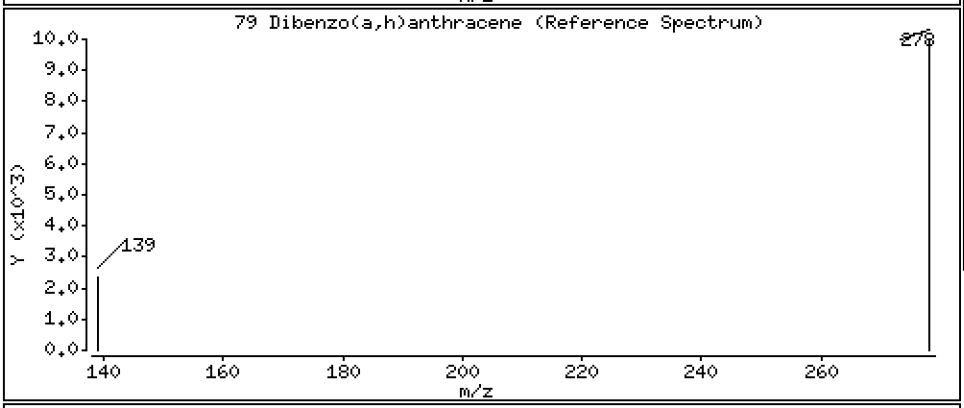
Concentration: 3.161 ug/mL

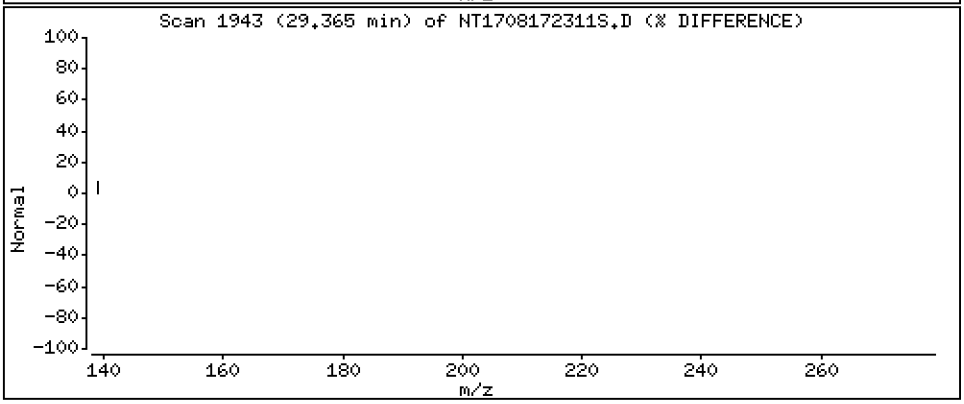












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Date : 18-AUG-2023 01:50

Client ID:

Instrument: nt17.i

Sample Info: BLH0329-SRM1

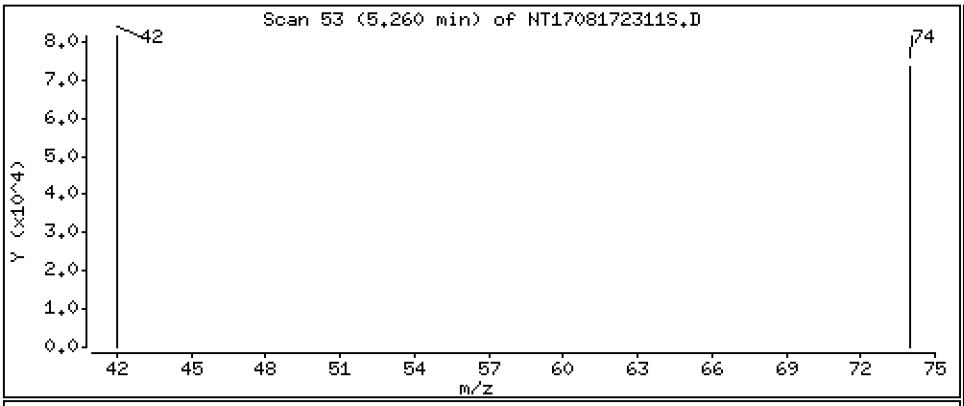
Operator: JGR

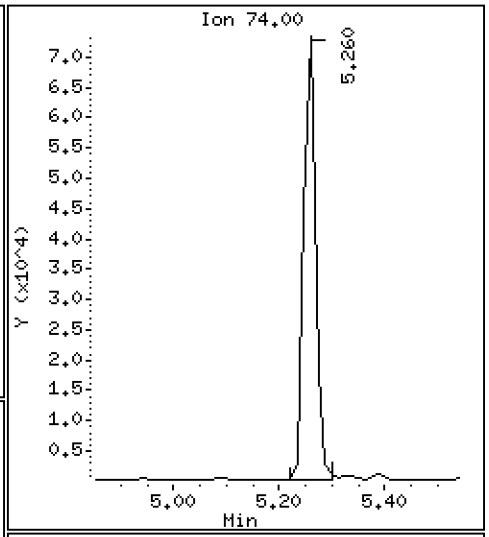
Column phase: ZB-5msi

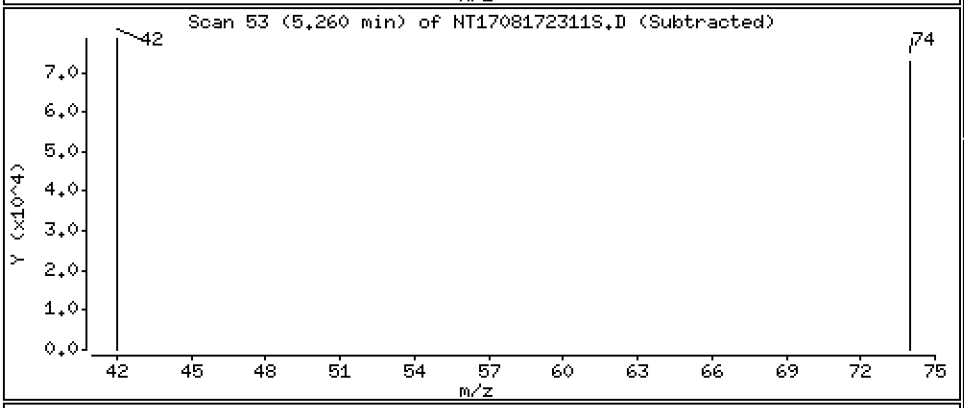
Column diameter: 0.25

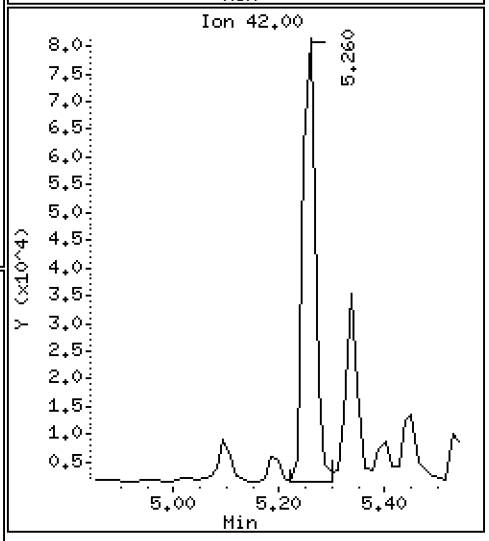
90 N-Nitrosodimethylamine

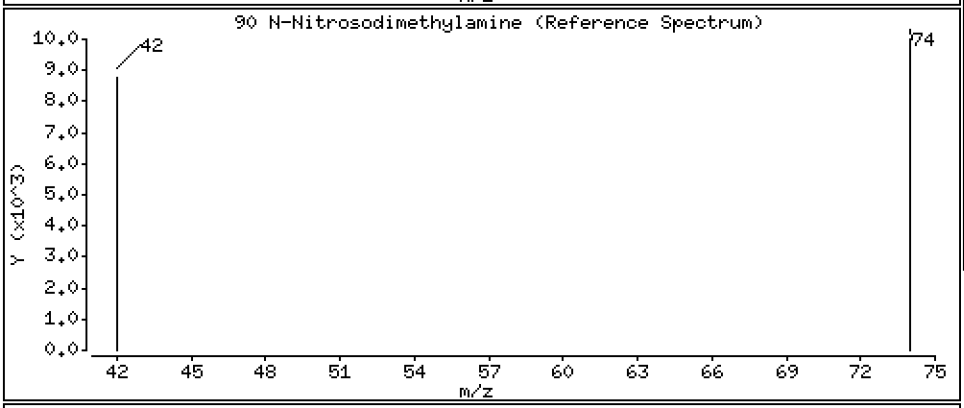
Concentration: 0.6819 ug/mL

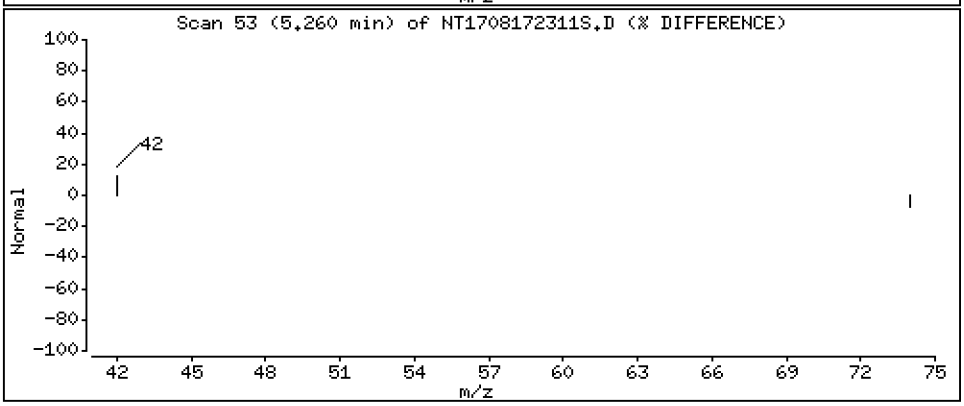












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172311S.D
Lab Smp Id: BLH0329-SRM1
Inj Date : 18-AUG-2023 01:50
Operator : JGR Inst ID: nt17.i
Smp Info : BLH0329-SRM1
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Meth Date : 19-Aug-2023 11:00 JoshuaR Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	7.298	7.285	(0.767)	857058	5.48989	5.490(R)
	3 Phenol	94	8.878	8.878	(0.933)	550885	2.31481	2.315
	7 1,3-Dichlorobenzene	146	9.451	9.451	(0.993)	74496	0.46278	0.4628
*	8 1,4-Dichlorobenzene-d4	152	9.515	9.515	(1.000)	375981	4.00000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	79	Compound Not Detected.					
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	13 2-Methylphenol	108	9.988	9.988	(1.050)	718450	4.97882	4.979
	15 4-Methylphenol	108	10.256	10.256	(1.078)	968256	6.41992	6.420
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	11.304	11.304	(0.943)	783548	5.23330	5.233
	24 Benzoic acid	105	11.406	11.431	(0.951)	114962	1.16994	1.170
	26 1,2,4-Trichlorobenzene	180	11.904	11.916	(0.993)	89203	0.87198	0.8720
*	27 Naphthalene-d8	136	11.993	12.005	(1.000)	1492235	4.00000	
	30 Hexachlorobutadiene	225	12.388	12.388	(1.033)	62018	1.29453	1.295
	39 Dimethylphthalate	163	15.091	15.091	(0.967)	957675	4.44162	4.442
*	42 Acenaphthene-d10	162	15.602	15.614	(1.000)	663390	4.00000	
	50 Diethylphthalate	149	16.532	16.545	(1.060)	56955	0.25405	0.2540
	54 N-Nitrosodiphenylamine	169	16.939	16.939	(0.908)	535736	3.40543	3.405
	57 Hexachlorobenzene	284	18.009	18.021	(0.966)	730	0.01416	0.01416(M)
	58 Pentachlorophenol	266	18.379	18.366	(0.986)	113134	3.23450	3.234
*	59 Phenanthrene-d10	188	18.646	18.646	(1.000)	1094271	4.00000	
$	66 Terphenyl-d14	244	21.720	21.720	(0.920)	479325	4.86462	4.865(R)
	67 Butylbenzylphthalate	149	22.613	22.625	(0.957)	674030	3.56742	3.567
*	69 Chrysene-d12	240	23.620	23.620	(1.000)	712035	4.00000	
*	77 Perylene-d12	264	26.414	26.414	(1.000)	597628	4.00000	
	79 Dibenzo(a,h)anthracene	278	29.365	29.352	(1.112)	557943	3.16082	3.161
	90 N-Nitrosodimethylamine	74	5.260	5.196	(0.553)	108319	0.68188	0.6819

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708172311S.D
Lab Smp Id: BLH0329-SRM1
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Misc Info:

Calibration Date: 17-AUG-2023
Calibration Time: 20:49
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	348452	174226	696904	375981	7.90
27 Naphthalene-d8	1404170	702085	2808340	1492235	6.27
42 Acenaphthene-d10	619161	309581	1238322	663390	7.14
59 Phenanthrene-d10	992768	496384	1985536	1094271	10.22
69 Chrysene-d12	642334	321167	1284668	712035	10.85
77 Perylene-d12	573362	286681	1146724	597628	4.23

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.52	9.02	10.02	9.52	0.00
27 Naphthalene-d8	12.01	11.51	12.51	11.99	-0.11
42 Acenaphthene-d10	15.61	15.11	16.11	15.60	-0.08
59 Phenanthrene-d10	18.65	18.15	19.15	18.65	0.00
69 Chrysene-d12	23.62	23.12	24.12	23.62	0.00
77 Perylene-d12	26.41	25.91	26.91	26.41	0.00

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

REVIEW SUMMARY FOR FILE - NT1708172311S.D

Lab ID: BLH0329-SRM1
nt17.i, 20230817.b\SIM.b\SIMABN2.m,   18-AUG-2023 01:50

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.553	0.546	0.0067	N-Nitrosodimethylamine

RRT check based on Ccal File: SIM.b/NT1708172303S.D

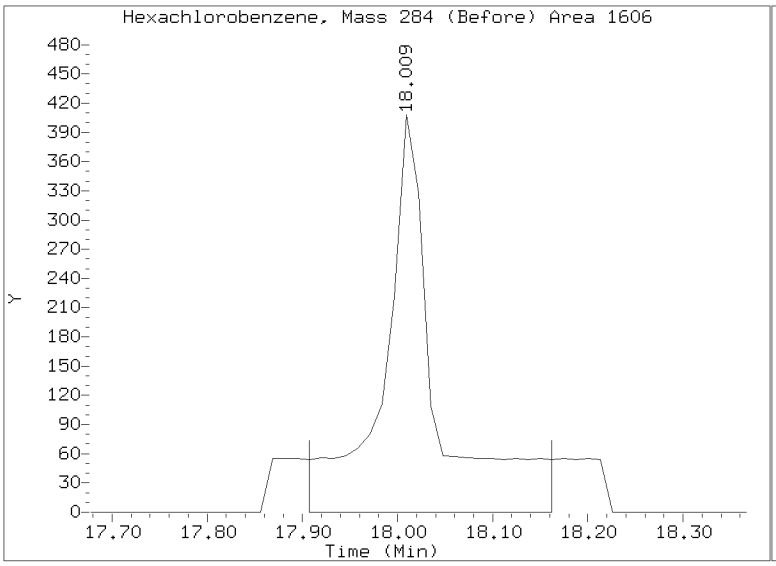
On Column LOD for nt17.i, SIM.b\SIMABN2.m, PSDDA.sub = 0.0000

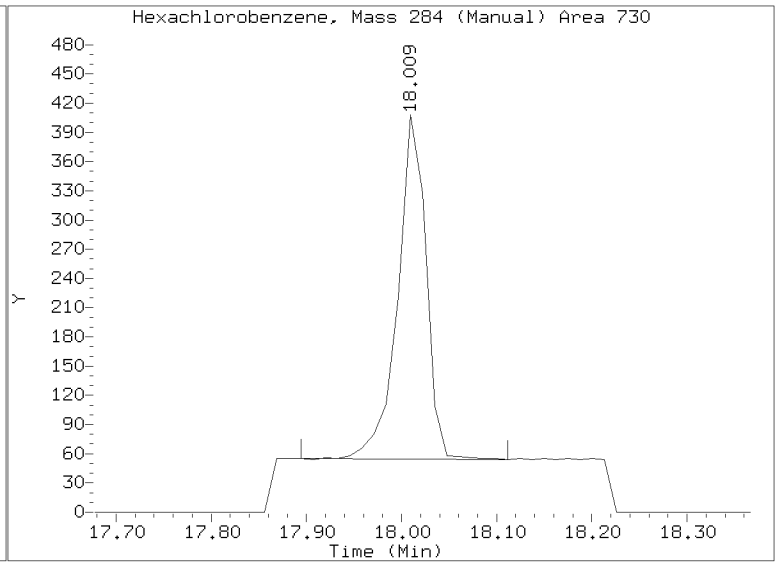
Exception: 1,2,4-Trichlorobenzene 0.0010

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

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230817.b/SIM.b/NT1708172311S.D
Injection Date: 18-AUG-2023 01:50
Lab ID:BLH0329-SRM1 Client ID:
Report Date: 08/19/2023 11:02





Analytical Resources, LLC
Analytical Chemists and Consultants

MASS SPECTROMETER
INSTRUMENT PERFORMANCE CHECK
EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Lab File ID:	NT1708102301S.D	Injection Date:	08/10/23
Instrument ID:	NT17	Injection Time:	12:15
Sequence:	SLH0217	Lab Sample ID:	SLH0217-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2% of 69	1.61	PASS
69	Less than 100% of 198	96.3	PASS
70	Less than 2% of 69	0.553	PASS
197	Less than 2% of 198	0.0334	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.89	PASS
365	1 - 100% of 198	3.24	PASS
441	Less than 150% of 443	79.5	PASS
442	1 - 200% of 198	56.5	PASS
443	15 - 24% of 442	19.6	PASS
4,4'-DDD	Less than 20% of 4,4'-DDT		
4,4'-DDE	Less than 20% of		
4,4'-DDT	Base peak, 100% relative abundance		

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
MS Tune	SLH0217-TUN1	NT1708102301S.D	08/10/2023	12:15
Cal Standard	SLH0217-CAL8	NT1708102303S.D	08/10/2023	13:09
Cal Standard	SLH0217-CAL7	NT1708102304S.D	08/10/2023	13:47
Cal Standard	SLH0217-CAL6	NT1708102305S.D	08/10/2023	14:24
Cal Standard	SLH0217-CAL5	NT1708102306S.D	08/10/2023	15:01
Cal Standard	SLH0217-CAL4	NT1708102307S.D	08/10/2023	15:38
Cal Standard	SLH0217-CAL3	NT1708102308S.D	08/10/2023	16:16
Cal Standard	SLH0217-CAL2	NT1708102309S.D	08/10/2023	16:53
Cal Standard	SLH0217-CAL1	NT1708102310S.D	08/10/2023	17:30
Initial Cal Blank	SLH0217-ICB1	NT1708102311S.D	08/10/2023	18:08
Secondary Cal Check	SLH0217-SCV1	NT1708102312S.D	08/10/2023	18:45

INITIAL CALIBRATION DATA

EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Calibration:	GH00045	Instrument:	NT17
Calibration Date:	08/10/2023	Column (1):	ZB-5MS

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	Conc	RRF	Conc	**RRF**	Conc	RRF	Conc	RRF	Conc	**RRF**	Conc	**RRF**
1,4-Dichlorobenzene	0.05	1.766426	0.1	1.722538	0.2	1.678806	0.5	1.597697	1	1.633369	2.5	1.608926
1,2-Dichlorobenzene	0.05	1.673429	0.1	1.650657	0.2	1.616777	0.5	1.562582	1	1.60544	2.5	1.574369
Benzyl Alcohol			0.1	1.505653	0.2	1.564615	0.5	1.632215	1	1.757706	2.5	1.837519
Benzoic acid			0.4	4.99192E-03	0.8	2.414152E-02	2	0.0946368	4	0.1870916	10	0.2503652
4-Methylphenol	0.05	1.365139	0.1	1.40348	0.2	1.460668	0.5	1.539106	1	1.676489	2.5	1.745318
2,4-Dimethylphenol	0.1	0.3271465	0.2	0.361254	0.4	0.385741	1	0.4072252	2	0.4353778	5	0.4308484
1,2,4-Trichlorobenzene	0.05	0.2901968	0.1	0.2861176	0.2	0.2764782	0.5	0.2665739	1	0.2712762	2.5	0.266585
N-Nitrosodiphenylamine	0.05	0.4384	0.1	0.5274403	0.2	0.5749941	0.5	0.602814	1	0.6275451	2.5	0.6055804
Pentachlorophenol	0.1	2.271078E-02	0.2	3.107108E-02	0.4	3.987312E-02	1	6.102517E-02	2	8.308538E-02	5	0.1026895
2-Fluorophenol	0.075	1.484209	0.15	1.534042	0.3	1.622434	0.75	1.661254	1.5	1.780374	3.75	1.746755
p-Terphenyl-d14	0.05	0.4650079	0.1	0.4926282	0.2	0.5344296	0.5	0.5564622	1	0.5882472	2.5	0.5759886

INITIAL CALIBRATION DATA

EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Calibration:	GH00045	Instrument:	NT17
Calibration Date:	08/10/2023	Column (1):	ZB-5MS

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
1,4-Dichlorobenzene	5	1.631547	10	1.619927								
1,2-Dichlorobenzene	5	1.596567	10	1.582066								
Benzyl Alcohol	5	1.959984	10	2.009069								
Benzoic acid	20	0.3037179	40	0.336233								
4-Methylphenol	5	1.821877	10	1.824366								
2,4-Dimethylphenol	10	0.4319227	20	0.4312047								
1,2,4-Trichlorobenzene	5	0.269655	10	0.2668597								
N-Nitrosodiphenylamine	5	0.6033702	10	0.62034								
Pentachlorophenol	10	0.1188098	20	0.1315011								
2-Fluorophenol	7.5	1.734678	15	1.723369								
p-Terphenyl-d14	5	0.6008668	10	0.6145996								

INITIAL CALIBRATION DATA

EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Calibration:	GH00045	Instrument:	NT17
Calibration Date:	08/10/2023	Column (1):	ZB-5MS

COMPOUND	Mean RRF	RRF RSD	Linear COD	Quad COD	Limit Type & Limit	Q
1,4-Dichlorobenzene	1.657404	3.6			RSD (15)	
1,2-Dichlorobenzene	1.607736	2.4			RSD (15)	
Benzyl Alcohol	1.752394	11.1			RSD (15)	
Benzoic acid	0.1715968	77.6		0.9959	QCOD (0.99)	
4-Methylphenol	1.604555	11.6			RSD (15)	
2,4-Dimethylphenol	0.40134	10.0			RSD (15)	
1,2,4-Trichlorobenzene	0.2742178	3.4			RSD (15)	
N-Nitrosodiphenylamine	0.5750605	11.0			RSD (15)	
Pentachlorophenol	7.384574E-02	56.1	0.9922		LCOD (0.99)	
2-Fluorophenol	1.660889	6.4			RSD (15)	
p-Terphenyl-d14	0.5535288	9.6			RSD (15)	

ANALYSIS SEQUENCE

SLH0217

Instrument: NT17
Calibration ID: GH00045

Printed: 8/16/2023 2:03:57PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
SLH0217-TUN1	QC		1		L005045			
SLH0217-CAL8	QC		2		L009088	L006982		
SLH0217-CAL7	QC		3		L009089	L006982		
SLH0217-CAL6	QC		4		L009090	L006982		
SLH0217-CAL5	QC		5		L009091	L006982		
SLH0217-CAL4	QC		6		L009092	L006982		
SLH0217-CAL3	QC		7		L009093	L006982		
SLH0217-CAL2	QC		8		L009094	L006982		
SLH0217-CAL1	QC		9		L009095	L006982		
SLH0217-ICB1	QC		10		L006701	L006982		
SLH0217-SCV1	QC		11		L006700	L006982		

Samples Loaded By Date

Data Processed By Date

GC LOG SUMMARY FOR DATABATCH - \\target\share\chem3\nt17.i\20230810.b\SIM.B

	Inject Date/Time	Filename	DF	LabID	ClientID
1	10-AUG-2023 12:32	NT1708102302S.D	1	SEQ-CAL7	
2	10-AUG-2023 13:09	NT1708102303S.D	1	SEQ-CAL6	
3	10-AUG-2023 13:47	NT1708102304S.D	1	SEQ-CAL5	
4	10-AUG-2023 14:24	NT1708102305S.D	1	SEQ-CAL4	
5	10-AUG-2023 15:01	NT1708102306S.D	1	SEQ-CAL3	
6	10-AUG-2023 15:38	NT1708102307S.D	1	SEQ-CAL2	
7	10-AUG-2023 16:16	NT1708102308S.D	1	SEQ-CAL1	
8	10-AUG-2023 16:53	NT1708102309S.D	1	SEQ-SIM2	
9	10-AUG-2023 17:30	NT1708102310S.D	1	SEQ-SIM1	
10	10-AUG-2023 18:08	NT1708102311S.D	1	SEQ-ICB1	
11	10-AUG-2023 18:45	NT1708102312S.D	1	SEQ-SCV1	

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt17.i\20230810.b\SIM.B

ARI Job No.: SEQ- Method: SIM.B\SIMABN2.m Instrument: nt17.i Date: 10-AUG-2023

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1232	NT1708102302S.D	SEQ-CAL7		1	NO MANUAL INTEGRATION
1309	NT1708102303S.D	SEQ-CAL6		1	NO MANUAL INTEGRATION
1347	NT1708102304S.D	SEQ-CAL5		1	NO MANUAL INTEGRATION
1424	NT1708102305S.D	SEQ-CAL4		1	NO MANUAL INTEGRATION
1501	NT1708102306S.D	SEQ-CAL3		1	NO MANUAL INTEGRATION
1538	NT1708102307S.D	SEQ-CAL2		1	N-Nitrosodimethylamine, 2-Fluorophenol,
1616	NT1708102308S.D	SEQ-CAL1		1	N-Nitrosodimethylamine, 2-Fluorophenol,
1653	NT1708102309S.D	SEQ-SIM2		1	Benzoic acid, N-Nitrosodimethylamine, Hexachlorobenzene, Pentachlorophenol, 2-Fluorophenol,
1730	NT1708102310S.D	SEQ-SIM1		1	N-Nitrosodimethylamine, Pentachlorophenol, 2-Fluorophenol,
1808	NT1708102311S.D	SEQ-ICB1		1	2-Fluorophenol,
1845	NT1708102312S.D	SEQ-SCV1		1	N-Nitrosodimethylamine,

Security Status Report

Date: 16-Aug-2023 15:17

NT1708102302S.D	Data Locked	jrains, 16-Aug-2023 15:17
NT1708102303S.D	Data Locked	jrains, 16-Aug-2023 15:17
NT1708102304S.D	Data Locked	jrains, 16-Aug-2023 15:17
NT1708102305S.D	Data Locked	jrains, 16-Aug-2023 15:17
NT1708102306S.D	Data Locked	jrains, 16-Aug-2023 15:17
NT1708102307S.D	Data Locked	jrains, 16-Aug-2023 15:17
NT1708102308S.D	Data Locked	jrains, 16-Aug-2023 15:17
NT1708102309S.D	Data Locked	jrains, 16-Aug-2023 15:17
NT1708102310S.D	Data Locked	jrains, 16-Aug-2023 15:17
NT1708102311S.D	Data Locked	jrains, 16-Aug-2023 15:17
NT1708102312S.D	Data Locked	jrains, 16-Aug-2023 15:17

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-JUL-2023 13:37
End Cal Date : 10-AUG-2023 17:30
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Last Edit : 11-Aug-2023 07:38 jrains

Calibration File Names:
Level 1: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102310S.D
Level 2: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102309S.D
Level 3: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102308S.D
Level 4: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102307S.D
Level 5: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102306S.D
Level 6: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102305S.D
Level 7: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102304S.D
Level 8: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102303S.D

Compound	0.0500000 Level 1	0.1000000 Level 2	0.2000000 Level 3	0.5000000 Level 4	1.0000 Level 5	2.5000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	5.0000 Level 7	10.0000 Level 8									
138 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
139 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
140 Diallate A	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-JUL-2023 13:37
End Cal Date : 10-AUG-2023 17:30
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Last Edit : 11-Aug-2023 07:38 jrains

Compound	0.0500000 Level 1	0.1000000 Level 2	0.2000000 Level 3	0.5000000 Level 4	1.0000 Level 5	2.5000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	5.0000 Level 7	10.0000 Level 8									
141 Diallate B	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000
142 1,2-Dibromo-3-Chloropropane	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000
135 2,3,5,6-Tetrachlorophenol	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000
136 2,3,4,5-tetrachlorophenol	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000
137 NewCpnd_131	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000
133 Butylatedhydroxytoluene	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000
132 3,6-Dimethylphenanthrene	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-JUL-2023 13:37
End Cal Date : 10-AUG-2023 17:30
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Last Edit : 11-Aug-2023 07:38 jrains

Compound	0.0500000 Level 1	0.1000000 Level 2	0.2000000 Level 3	0.5000000 Level 4	1.0000 Level 5	2.5000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	5.0000 Level 7	10.0000 Level 8									
131 1-Methylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
146 Benzo(j)fluoranthene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
130 Dibenzothiophene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
129 1-Methylfluorene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
128 N-Hexadecane	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
127 2-Isopropylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
126 N-Tetradecane	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

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Integrator : HP RTE
Method file : \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Last Edit : 11-Aug-2023 07:38 jrains

Compound	0.0500000 Level 1 / 5.0000 Level 7	0.1000000 Level 2 / 10.0000 Level 8	0.2000000 Level 3	0.5000000 Level 4	1.0000 Level 5	2.5000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
144 alpha-Terpineol	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
125 Safrole	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
124 3,4-Dimethylphenol	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
123 Acetophenone	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
122 Furfuraldehyde	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
143 1,4-Dioxane	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
121 Quinoline	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000

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Compound	0.0500000 Level 1	0.1000000 Level 2	0.2000000 Level 3	0.5000000 Level 4	1.0000 Level 5	2.5000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	5.0000 Level 7	10.0000 Level 8									
120 2,3,4,6-Tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
119 7,12-Dimethylbenz(a)anthracen	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
118 Triphenyl Phosphate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
117 Butyl Diphenyl Phosphate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
116 Dibutyl Phenyl Phosphate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
115 Tributyl Phosphate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
114 Beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

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Compound	0.0500000 Level 1	0.1000000 Level 2	0.2000000 Level 3	0.5000000 Level 4	1.0000 Level 5	2.5000 Level 6	5.0000 Level 7	10.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
113 Diphenyl Oxide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
112 Biphenyl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
111 Azobenzene (1,2-DP-Hydrazine)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
110 Tetrachloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
109 3,4,5-Trichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
108 4,5,6-Trichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
107 4,5-Dichloro-2-Methoxyphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000

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Compound	0.0500000 Level 1	0.1000000 Level 2	0.2000000 Level 3	0.5000000 Level 4	1.0000 Level 5	2.5000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	5.0000 Level 7	10.0000 Level 8									
106 Guaiacol	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000
105 1-methylnaphthalene	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000
3 Phenol	2.36594	2.45463	2.53006	2.50884	2.62894	2.59867					
	2.59848	2.56936					AVRG		2.53186		3.46136
4 Bis(2-Chloroethyl)ether	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000
6 2-Chlorophenol	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000
7 1,3-Dichlorobenzene	1.82987	1.78796	1.73870	1.66499	1.69747	1.65595					
	1.66408	1.66179					AVRG		1.71260		3.87022
9 1,4-Dichlorobenzene	1.76643	1.72254	1.67881	1.59770	1.63337	1.60893					
	1.63155	1.61993					AVRG		1.65740		3.61667

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	5.0000 Level 7	10.0000 Level 8									
11 Benzyl alcohol	+++++	1.50565	1.56462	1.63222	1.75771	1.83752					
	1.95998	2.00907					AVRG		1.75239		11.09552
12 1,2-Dichlorobenzene	1.67343	1.65066	1.61678	1.56258	1.60544	1.57437					
	1.59657	1.58207					AVRG		1.60774		2.37206
13 2-Methylphenol	1.32820	1.35072	1.44351	1.49484	1.61403	1.64007					
	1.70056	1.70966					AVRG		1.53520		9.90663
14 2,2'-oxybis(1-Chloropropane)	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
15 4-Methylphenol	1.36514	1.40348	1.46067	1.53911	1.67649	1.74532					
	1.82188	1.82437					AVRG		1.60456		11.61830
16 N-Nitroso-di-n-propylamine	1.37788	1.43191	1.52037	1.62267	1.75059	1.75513					
	1.81245	1.85563					AVRG		1.64083		11.00722
17 Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

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19 Nitrobenzene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
20 Isophorone	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
21 2-Nitrophenol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
22 2,4-Dimethylphenol	0.32715	0.36125	0.38574	0.40723	0.43538	0.43085					
	0.43192	0.43120					AVRG		0.40134		9.98708
23 Bis(2-Chloroethoxy)methane	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
24 Benzoic acid	+++++	+++++	5997	59987	238483	785060					
	1865065	3965055					QUAD	0.000e+000	3.81605	-0.25346	0.99843
25 2,4-Dichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

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26 1,2,4-Trichlorobenzene	0.29020	0.28612	0.27648	0.26657	0.27128	0.26659					
	0.26965	0.26686					AVRG		0.27422		3.38281
28 Naphthalene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
29 4-Chloroaniline	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
30 Hexachlorobutadiene	0.13008	0.12860	0.12603	0.12280	0.12736	0.12723					
	0.13036	0.13489					AVRG		0.12842		2.76455
31 4-Chloro-3-methylphenol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
32 2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
33 Hexachlorocyclopentadiene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

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	5.0000 Level 7	10.0000 Level 8									
34 2,4,6-Trichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
35 2,4,5-Trichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
37 2-Chloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
38 2-Nitroaniline	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
39 Dimethylphthalate	1.11839	1.19110	1.25118	1.30296	1.36887	1.36296					
	1.42746	1.37766					AVRG		1.30007		8.13071
40 Acenaphthylene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
41 2,6-Dinitrotoluene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

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	5.0000 Level 7	10.0000 Level 8									
43 3-Nitroaniline	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000
44 Acenaphthene	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000
45 2,4-Dinitrophenol	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000
46 Dibenzofuran	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000
47 4-Nitrophenol	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000
48 2,4-Dinitrotoluene	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000
49 Fluorene	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000

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	5.0000 Level 7	10.0000 Level 8									
50 Diethylphthalate	1.01999	1.13927	1.26561	1.38298	1.47018	1.48118					
	1.53786	1.51732					AVRG		1.35180		14.15889
51 4-Chlorophenyl-phenylether	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
52 4-Nitroaniline	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
53 4,6-Dinitro-2-methylphenol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
54 N-Nitrosodiphenylamine	0.43840	0.52744	0.57499	0.60281	0.62755	0.60558					
	0.60337	0.62034					AVRG		0.57506		11.04741
56 4-Bromophenyl-phenylether	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
57 Hexachlorobenzene	0.18795	0.18796	0.18918	0.18574	0.18897	0.18296					
	0.19055	0.19395					AVRG		0.18841		1.71840

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58 Pentachlorophenol	+++++ / 259110	1335 / 548910	3438	13784	38046	115250	LINR	0.000e+000	0.12786		0.99163
60 Phenanthrene	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
61 Anthracene	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
62 Carbazole	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
63 Di-n-butylphthalate	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
64 Fluoranthene	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
65 Pyrene	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000

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	5.0000 Level 7	10.0000 Level 8									
67 Butylbenzylphthalate	2383	5890	14439	52682	135239	376310					
	820420	1656382					LINR	0.000e+000	1.06141		0.99689
68 Benzo(a)anthracene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
70 3,3'-Dichlorobenzidine	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
71 Chrysene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
72 bis(2-Ethylhexyl)phthalate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
73 Di-n-octylphthalate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
74 Benzo(b)fluoranthene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

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	5.0000 Level 7	10.0000 Level 8									
75 Benzo(k)fluoranthene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
76 Benzo(a)pyrene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
78 Indeno(1,2,3-cd)pyrene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
79 Dibenzo(a,h)anthracene	5853	13315	28334	78464	175811	438775					
	905428	1802136					LINR	0.000e+000	1.18146		0.99912
80 Benzo(g,h,i)perylene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
90 N-Nitrosodimethylamine	1.61661	1.67753	1.71394	1.69516	1.77599	1.71670					
	1.69087	1.63340					AVRG		1.69003		2.95450
91 Aniline	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

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Integrator : HP RTE
Method file : \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Last Edit : 11-Aug-2023 07:38 jrains

Compound	0.0500000 Level 1	0.1000000 Level 2	0.2000000 Level 3	0.5000000 Level 4	1.0000 Level 5	2.5000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	5.0000 Level 7	10.0000 Level 8									
92 1,2-Diphenylhydrazine	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
93 Benzidine	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
96 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
97 Caffeine	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
98 Retene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
99 Perylene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
100 3-beta-Coprostanol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-JUL-2023 13:37
End Cal Date : 10-AUG-2023 17:30
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Last Edit : 11-Aug-2023 07:38 jrains

Compound	0.0500000 Level 1	0.1000000 Level 2	0.2000000 Level 3	0.5000000 Level 4	1.0000 Level 5	2.5000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	5.0000 Level 7	10.0000 Level 8									
101 Cholesterol	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000
102 beta-Sitosterol	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000
103 Pyridine	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000
$ 1 2-Fluorophenol	1.48421	1.53404	1.62243	1.66125	1.78037	1.74676					
	1.73468	1.72337					AVRG		1.66089		6.42787
$ 145 d8-1,4-Dioxane	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000
$ 2 Phenol-d5	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000
$ 5 2-Chlorophenol-d4	*****	*****	*****	*****	*****	*****					
	*****	*****					AVRG		0.000e+000		0.000e+000

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-JUL-2023 13:37
End Cal Date : 10-AUG-2023 17:30
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Last Edit : 11-Aug-2023 07:38 jrains

Compound	0.0500000 Level 1 / 5.0000 Level 7	0.1000000 Level 2 / 10.0000 Level 8	0.2000000 Level 3	0.5000000 Level 4	1.0000 Level 5	2.5000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 10 1,2-Dichlorobenzene-d4	***** / *****	***** / *****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000
$ 18 Nitrobenzene-d5	***** / *****	***** / *****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000
$ 36 2-Fluorobiphenyl	***** / *****	***** / *****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000
$ 55 2,4,6-Tribromophenol	***** / *****	***** / *****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000
$ 66 Terphenyl-d14	0.46501 / 0.60087	0.49263 / 0.61460	0.53443	0.55646	0.58825	0.57599	AVRG		0.55353		9.55923
$ 85 p-Cresol-d4	***** / *****	***** / *****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000
$ 86 Anthracene-d10	***** / *****	***** / *****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-JUL-2023 13:37
End Cal Date : 10-AUG-2023 17:30
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Last Edit : 11-Aug-2023 07:38 jrains

Compound	0.0500000 Level 1	0.1000000 Level 2	0.2000000 Level 3	0.5000000 Level 4	1.0000 Level 5	2.5000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	5.0000 Level 7	10.0000 Level 8									
$ 87 Fluoranthene-d10	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
$ 88 Dibenz(a,h)anthracene-d14	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
$ 89 Diphenyl-d10	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
$ 95 D10-1-methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

ARI Labs, Inc.

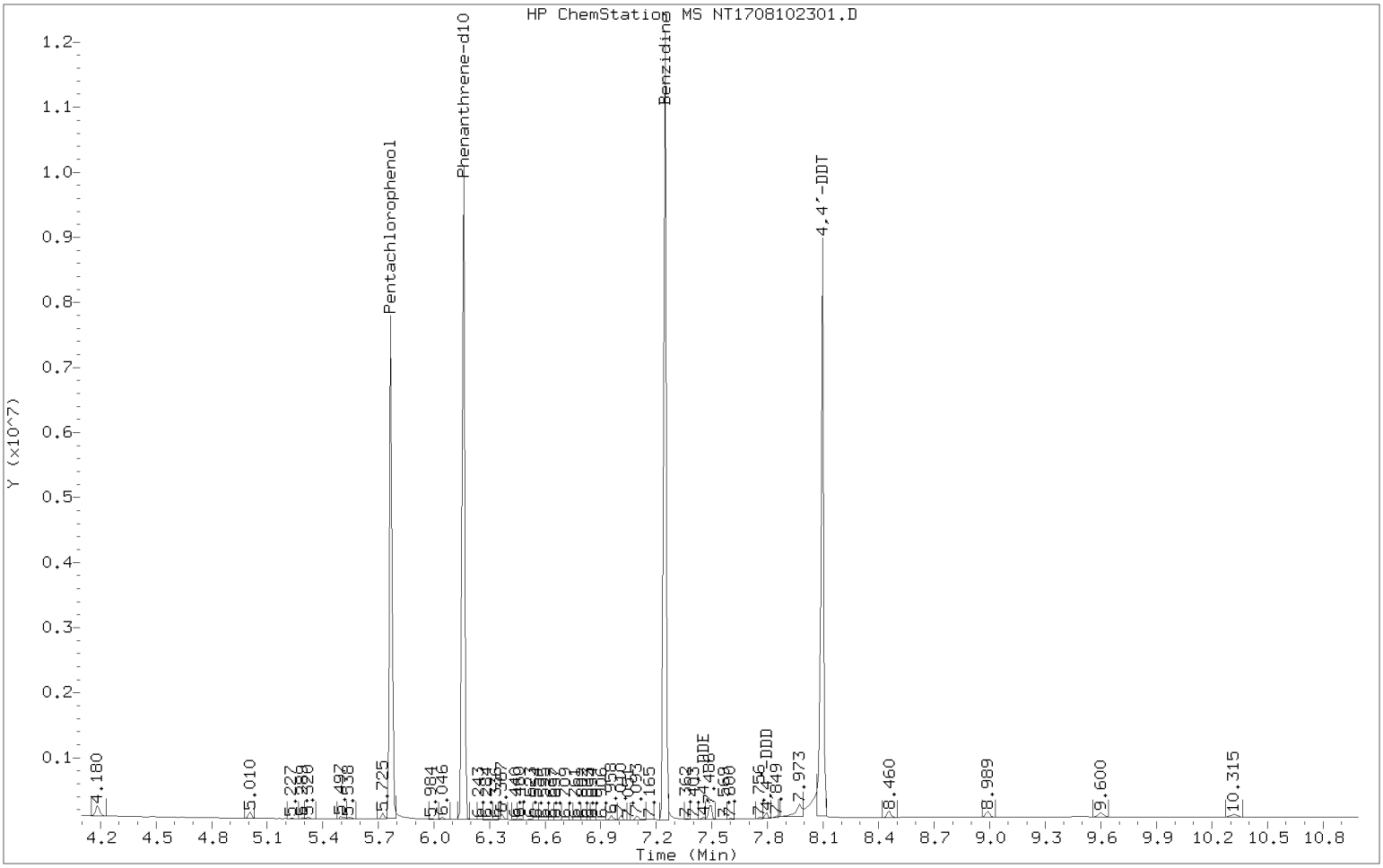
INITIAL CALIBRATION DATA

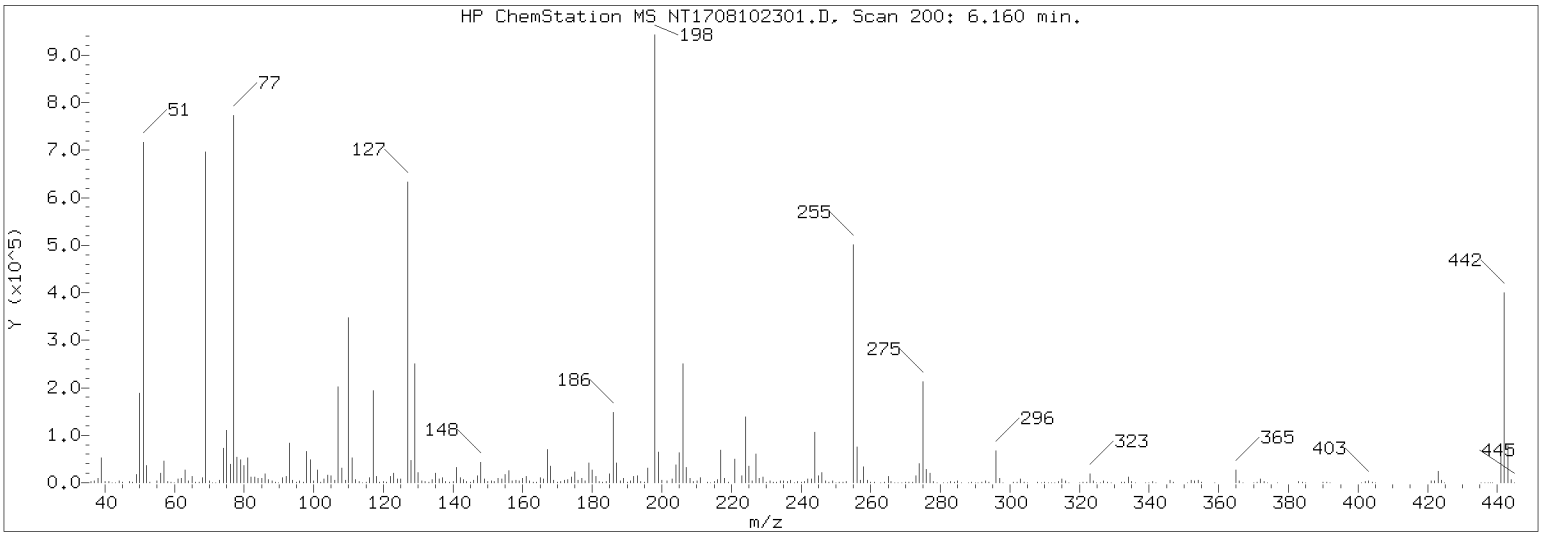
Start Cal Date : 10-JUL-2023 13:37
End Cal Date : 10-AUG-2023 17:30
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Last Edit : 11-Aug-2023 07:38 jrains

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

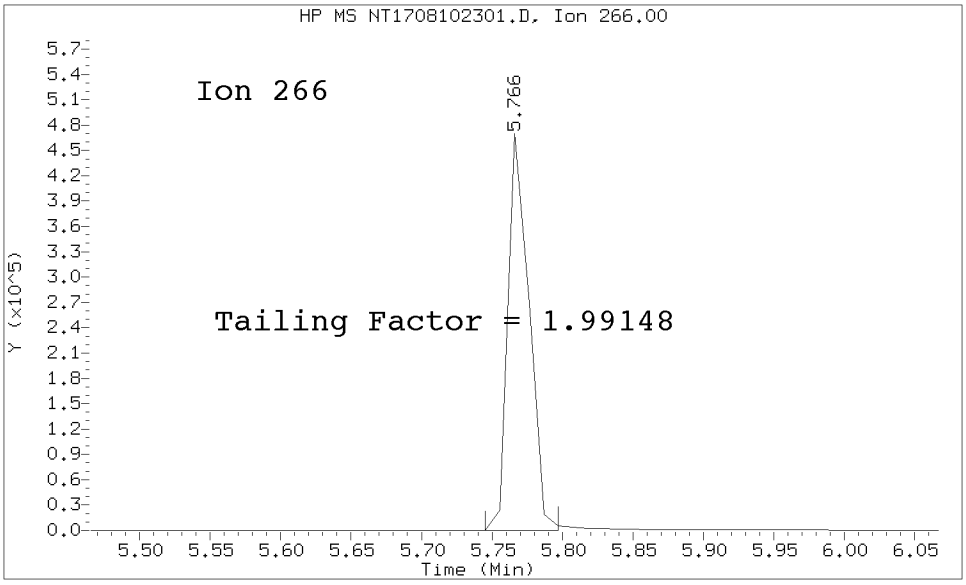
DFTPP TAILING FACTOR AND BREAKDOWN GRAPHIC REPORT

Datafile Analyzed: /20230810.b/NT1708102301.D/NT1708102301.D
Method Used: \20230810.b\DFTPP8270E.m Inst: nt17
Injection Date: 10-AUG-2023 12:15 Operator: JGR
Sample Info: SEQ-TUN1 SEQ-TUN1
Report Date: 08/15/2023 16:04



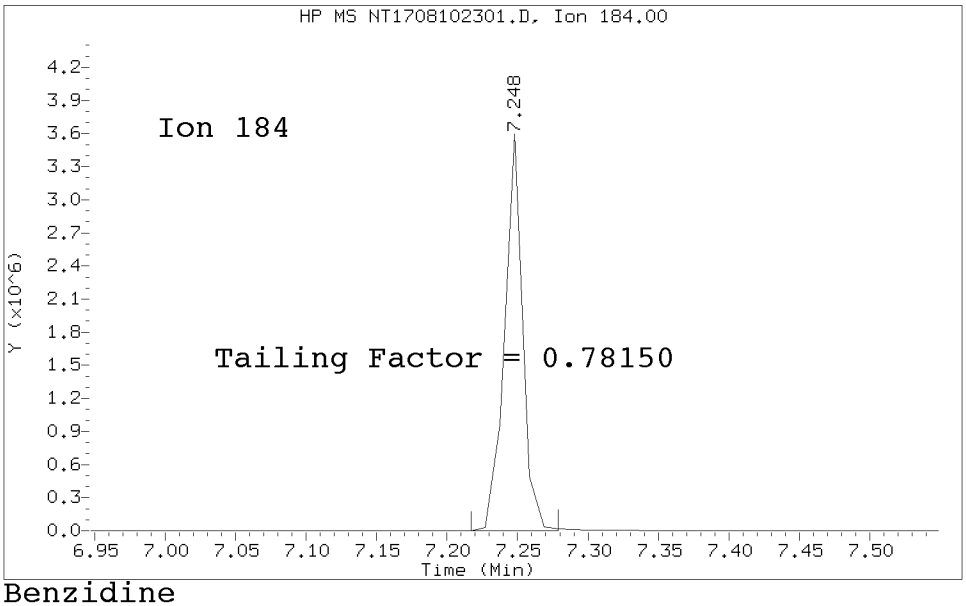


Datafile Analyzed: /20230810.b/NT1708102301.D/NT1708102301.D
Method Used: \20230810.b\DFTPP8270E.m\sw846ddt.m Inst: nt17
Injection Date: 10-AUG-2023 12:15 Operator: JGR
Sample Info: SEQ-TUN1
Report Date: 08/15/2023 16:04



Pentachlorophenol
==========
Exp. RT = 5.766
Found RT = 5.766

Tail Factor = 1.991 Maximum Allowed = 2.0



Benzidine
==========
Exp. RT = 7.248
Found RT = 7.248

Tail Factor = 0.781 Maximum Allowed = 2.0

8270 TAILING FACTOR/BREAKDOWN SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	1.9914821	2.000	PASS
Benzidine	0.7814961	2.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDT	961501			N/A
4,4-DDE	2620	0.3	20.0	PASS
4,4-DDD	10748	1.1	20.0	PASS
4,4-DDD + DDE	13368	1.4	20.0	PASS

Tuning Sample, nt17.i/20230810.b/NT1708102301.D, *** PASSED ***

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
68	Less than 2.00% of mass 69	1.55 (1.61)
69	Mass 69 relative abundance	96.32
70	Less than 2.00% of mass 69	0.53 (0.55)
197	Less than 2.00% of mass 198	0.03
199	5.00 - 9.00% of mass 198	6.89
365	1.00 - 100.00% of mass 198	3.24
441	Less than 150.00% of mass 443	8.81 (79.51)
442	Less than 200.00% of mass 198	56.54
443	15.00 - 24.00% of mass 442	11.09 (19.61)

Data File: NT1708102301.D
Spectrum: Avg. Scans 199-201 (6.16), Background Scan 194
Location of Maximum: 77.00
Number of points: 330

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	82	123.00	10031	208.00	4182	296.00	31208
37.00	1910	124.00	4411	209.00	1416	297.00	4357
38.00	5472	125.00	4254	210.00	1877	298.00	284
39.00	33024	127.00	315968	211.00	4645	301.00	356
40.00	1456	128.00	23968	212.00	212	302.00	489
41.00	828	129.00	125688	213.00	306	303.00	3453
43.00	225	130.00	10849	214.00	64	304.00	845
44.00	266	131.00	2106	215.00	1391	305.00	80
45.00	825	132.00	1221	216.00	2888	308.00	416
48.00	306	133.00	393	217.00	30976	309.00	238
49.00	2089	134.00	3537	218.00	4143	310.00	234
50.00	114632	135.00	10083	219.00	319	311.00	72
51.00	430400	136.00	4090	221.00	20792	312.00	94
52.00	21768	137.00	5638	222.00	1012	313.00	275
53.00	931	138.00	1085	223.00	6687	314.00	1468
55.00	1964	139.00	549	224.00	61440	315.00	3547
56.00	11861	140.00	1489	225.00	15511	316.00	1650
57.00	27016	141.00	15833	226.00	1779	317.00	288
58.00	1231	142.00	5060	227.00	27440	320.00	73
59.00	500	143.00	3436	228.00	4044	321.00	867
60.00	270	144.00	991	229.00	5455	322.00	427
61.00	4916	145.00	832	230.00	819	323.00	8246
62.00	5868	146.00	2735	231.00	2094	324.00	1560
63.00	15651	147.00	7707	232.00	420	325.00	93
64.00	2234	148.00	21392	233.00	503	326.00	116
65.00	7855	149.00	4072	234.00	1724	327.00	1758
66.00	616	150.00	1083	235.00	1953	328.00	890
67.00	491	151.00	1909	236.00	1509	329.00	134
68.00	6462	152.00	1078	237.00	2280	332.00	684
69.00	400576	153.00	4491	238.00	306	333.00	855
70.00	2216	154.00	3573	239.00	1199	334.00	5654
71.00	258	155.00	8302	240.00	898	335.00	1429
72.00	239	156.00	11994	241.00	1469	336.00	191
73.00	2966	157.00	2230	242.00	3347	339.00	98
74.00	41464	158.00	2440	243.00	3743	340.00	88
75.00	62480	159.00	1968	244.00	46392	341.00	1006
76.00	22256	160.00	4391	245.00	6279	342.00	233
77.00	435584	161.00	6342	246.00	9831	346.00	2307
78.00	30656	162.00	1772	247.00	1984	347.00	382
79.00	27096	163.00	444	248.00	411	351.00	128
80.00	20592	164.00	630	249.00	1471	352.00	2604
81.00	28880	165.00	5174	250.00	204	353.00	1818
82.00	6977	166.00	4167	251.00	407	354.00	2520
83.00	6489	167.00	33312	252.00	518	355.00	479
84.00	881	168.00	17592	253.00	1117	359.00	123
85.00	5001	169.00	2608	255.00	218816	365.00	13470
86.00	8342	170.00	903	256.00	32696	366.00	1907
87.00	3823	171.00	1114	257.00	2612	367.00	97
88.00	1541	172.00	2416	258.00	14911	370.00	240

89.00	713	173.00	3104	259.00	2405	371.00	614
90.00	154	174.00	5553	260.00	433	372.00	4211
91.00	5981	175.00	10445	261.00	271	373.00	1060
92.00	6902	176.00	2798	263.00	96	374.00	78
93.00	46200	177.00	4567	264.00	525	377.00	82
94.00	3007	178.00	1668	265.00	6028	383.00	1033
95.00	602	179.00	19360	266.00	865	384.00	319
96.00	1926	180.00	12919	267.00	122	385.00	88
97.00	885	181.00	6089	268.00	89	390.00	546
98.00	35376	182.00	1015	269.00	54	391.00	367
99.00	26632	183.00	508	270.00	228	392.00	222
100.00	2398	184.00	1477	271.00	468	401.00	273
101.00	14173	185.00	8995	272.00	704	402.00	1572
102.00	801	186.00	67632	273.00	6801	403.00	2301
103.00	4294	187.00	18856	274.00	17880	404.00	868
104.00	8572	188.00	2127	275.00	91240	405.00	72
105.00	8245	189.00	4571	276.00	12167	421.00	1903
106.00	2776	190.00	771	277.00	9353	422.00	1931
107.00	106104	191.00	2140	278.00	1458	423.00	13311
108.00	16216	192.00	6264	279.00	213	424.00	3128
109.00	3037	193.00	6714	281.00	219	425.00	312
110.00	177216	194.00	1329	282.00	208	435.00	63
111.00	27536	195.00	795	283.00	1045	436.00	106
112.00	3673	196.00	13226	284.00	690	437.00	159
113.00	1087	197.00	139	285.00	1558	438.00	375
114.00	234	198.00	415872	286.00	179	439.00	186
115.00	406	199.00	28640	288.00	77	440.00	291
116.00	5388	200.00	2360	289.00	283	441.00	36656
117.00	102712	201.00	1949	290.00	234	442.00	235136
118.00	7087	203.00	3486	291.00	146	443.00	46104
119.00	875	204.00	17104	292.00	339	444.00	4203
120.00	1315	205.00	28768	293.00	1908	445.00	226
121.00	569	206.00	110592	294.00	532		
122.00	6879	207.00	14413	295.00	170		

Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT17081023025.D

Date : 10-AUG-2023 12:32

Client ID:

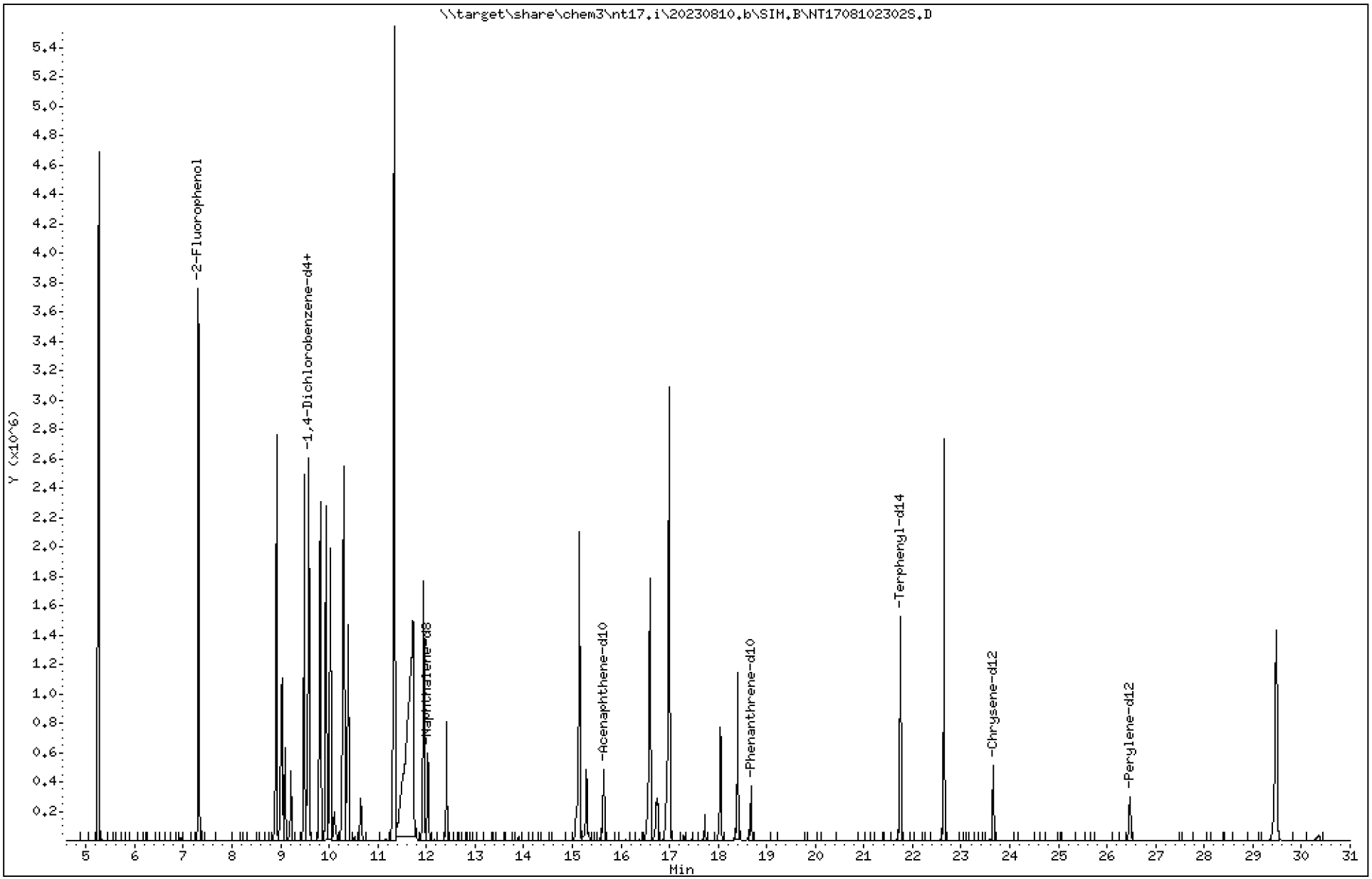
Sample Info: SEQ-CAL7

Column phase: ZB-5msi

Instrument: nt17.i

Operator: JGR

Column diameter: 0.25



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Date : 10-AUG-2023 12:32

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CAL7

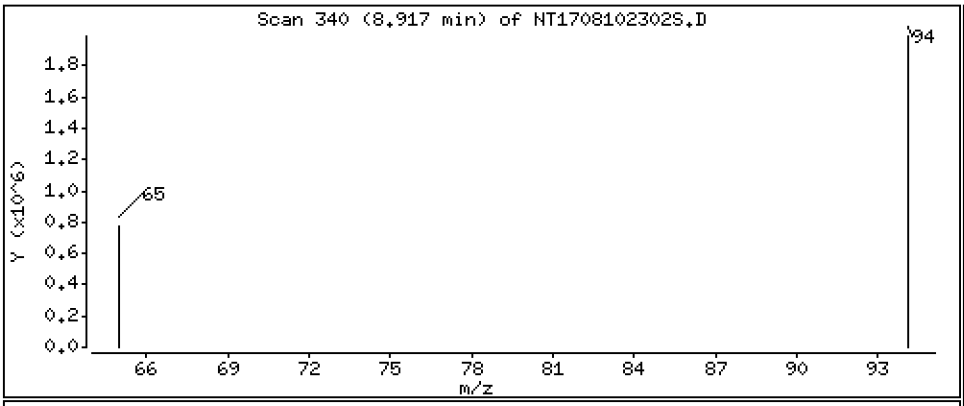
Operator: JGR

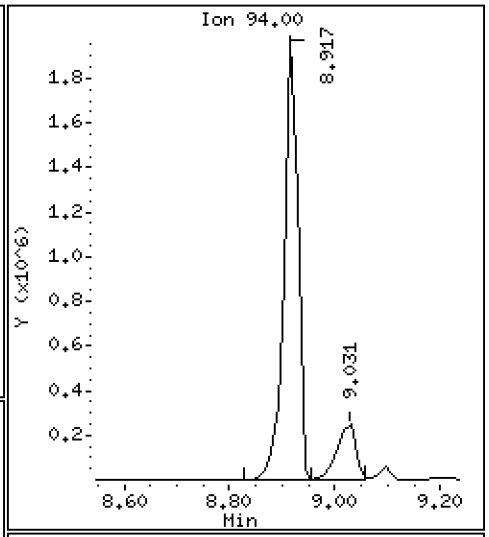
Column phase: ZB-5msi

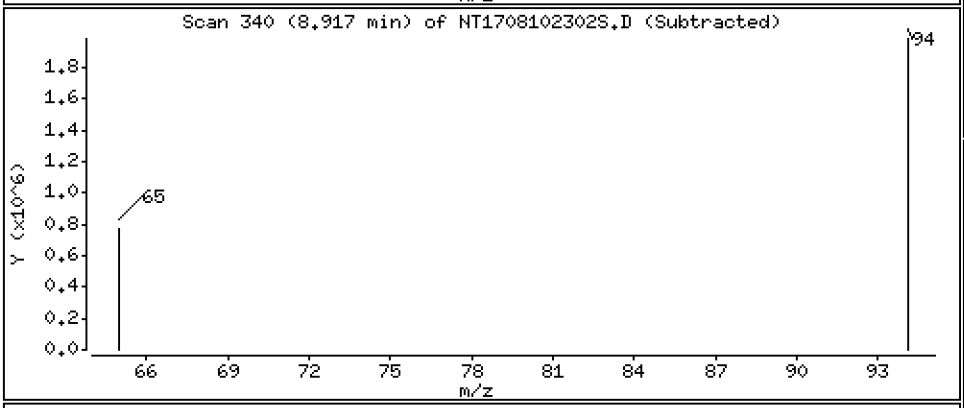
Column diameter: 0.25

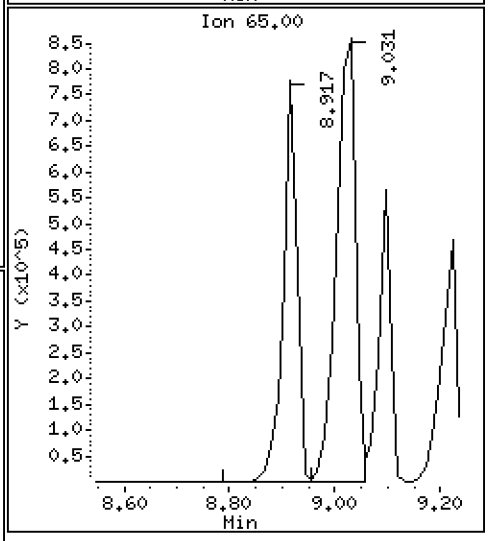
3 Phenol

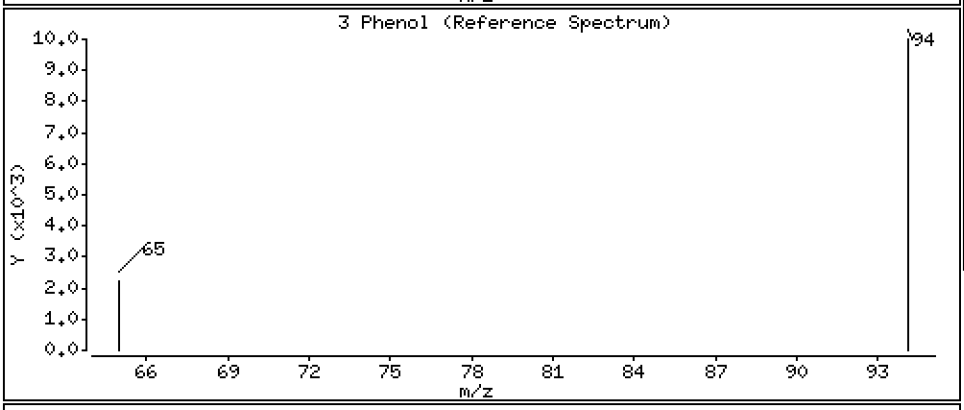
Concentration: 20.44 ug/mL

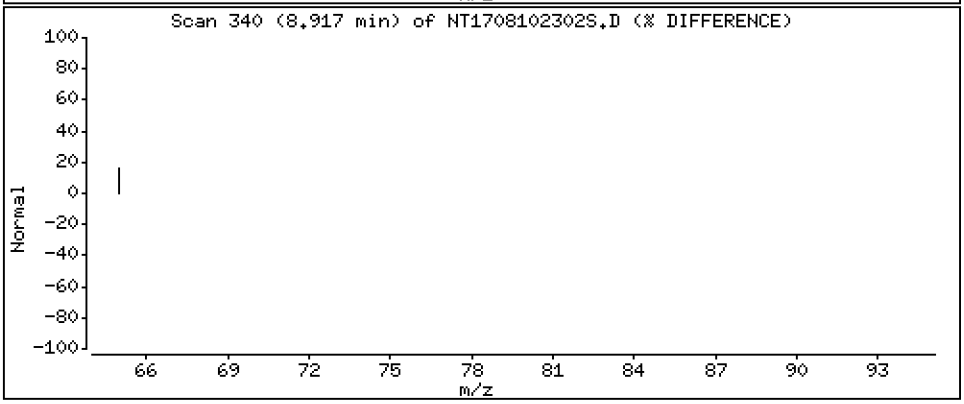












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Date : 10-AUG-2023 12:32

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CAL7

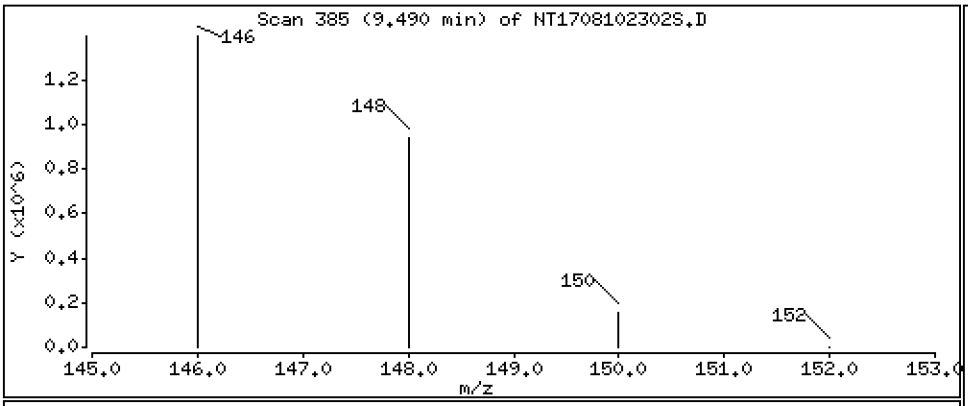
Operator: JGR

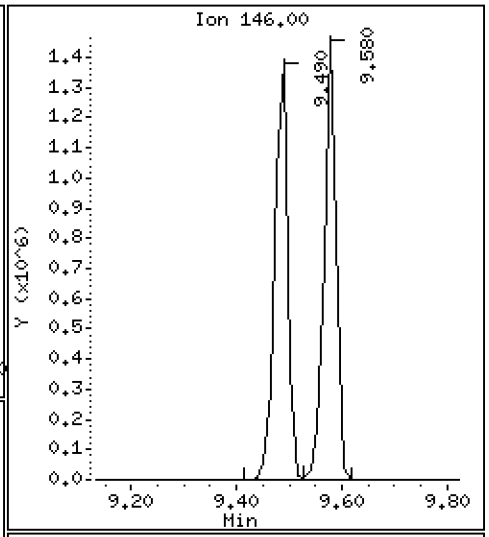
Column phase: ZB-5msi

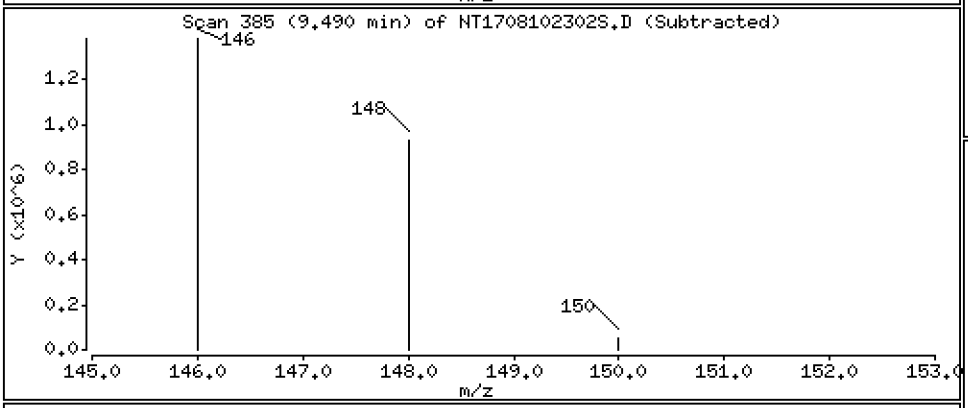
Column diameter: 0.25

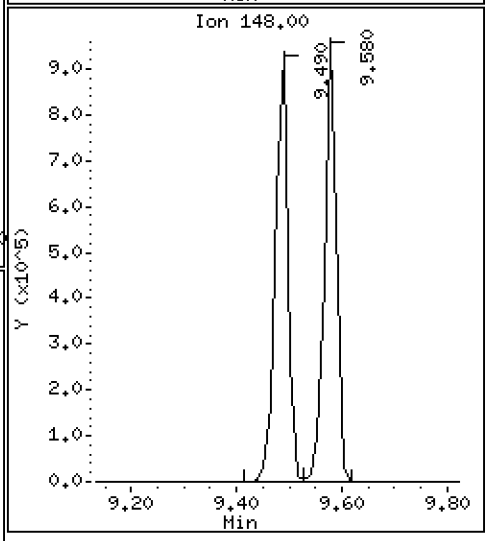
7 1,3-Dichlorobenzene

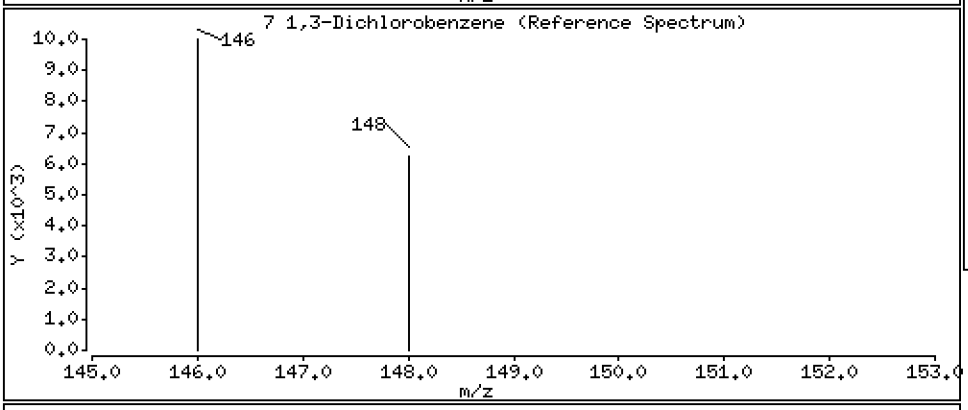
Concentration: 20.16 ug/mL

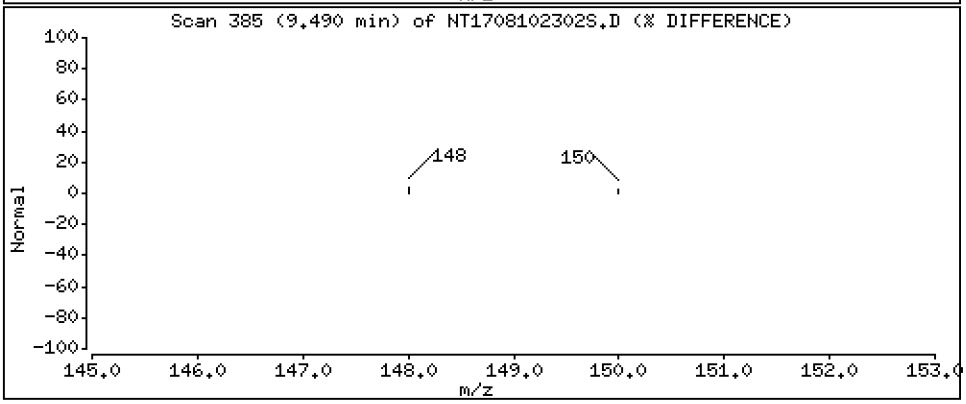












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Date : 10-AUG-2023 12:32

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CAL7

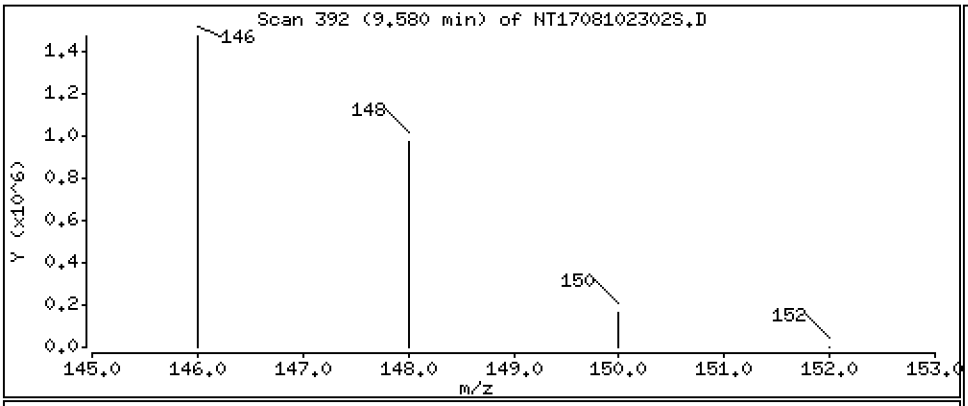
Operator: JGR

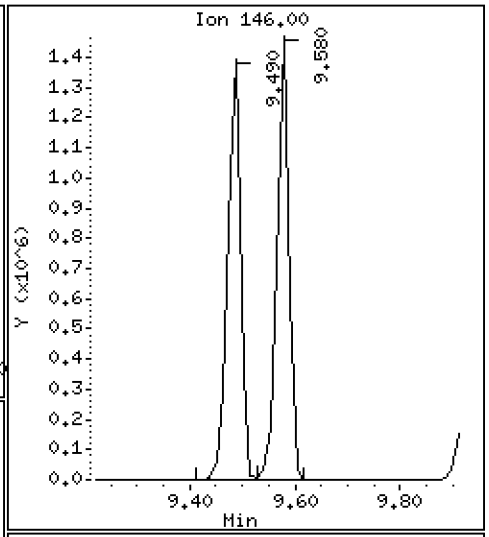
Column phase: ZB-5msi

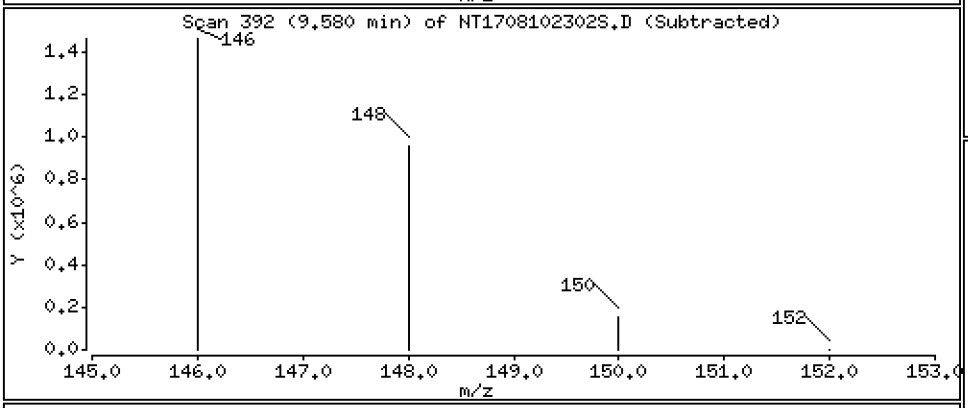
Column diameter: 0.25

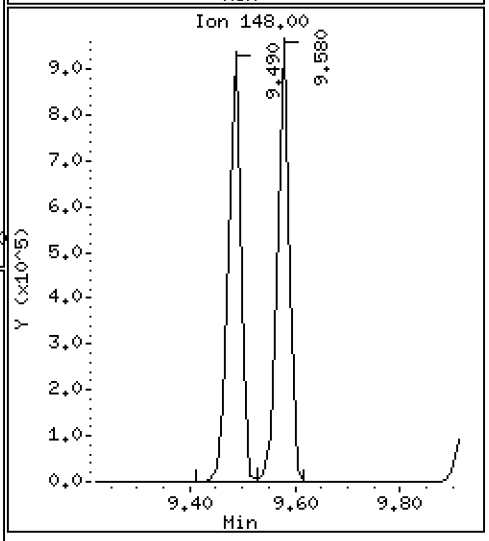
9 1,4-Dichlorobenzene

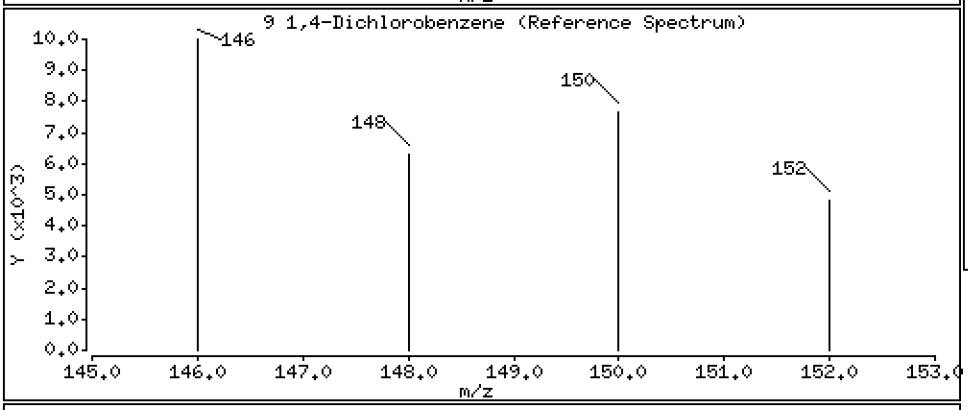
Concentration: 20.08 ug/mL

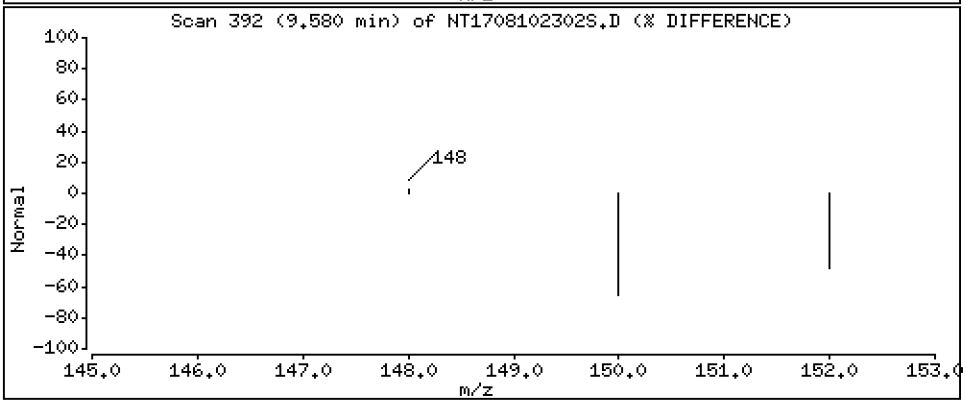












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Date : 10-AUG-2023 12:32

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CAL7

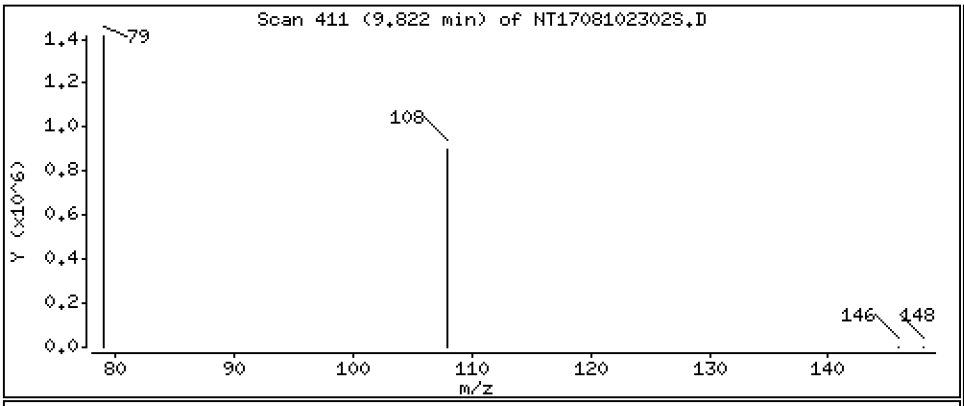
Operator: JGR

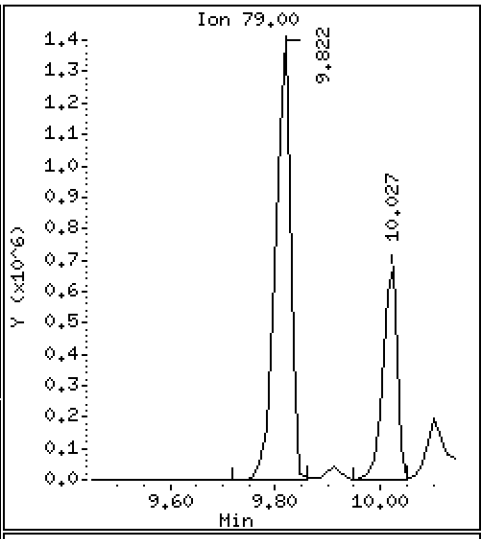
Column phase: ZB-5msi

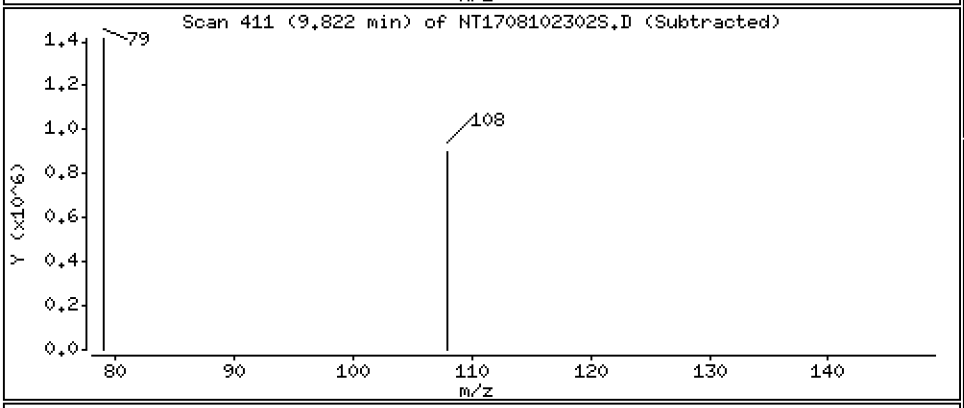
Column diameter: 0.25

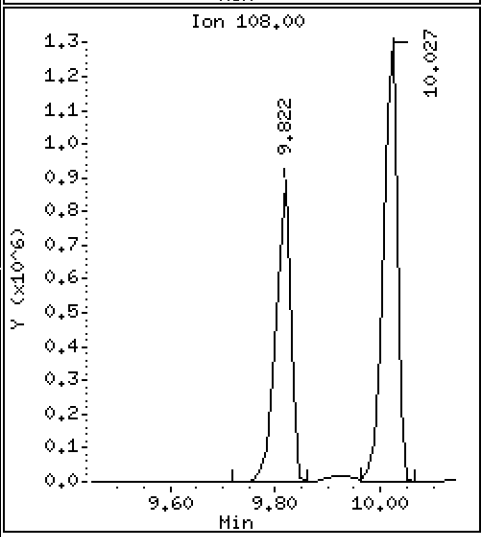
11 Benzyl alcohol

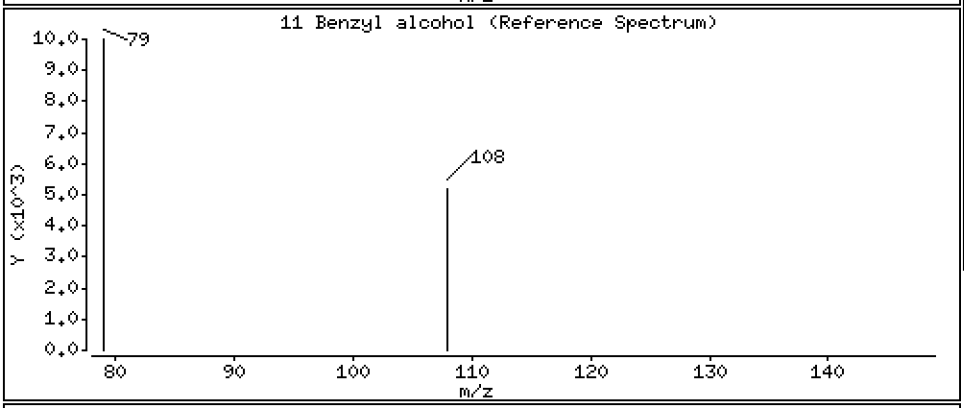
Concentration: 23.23 ug/mL

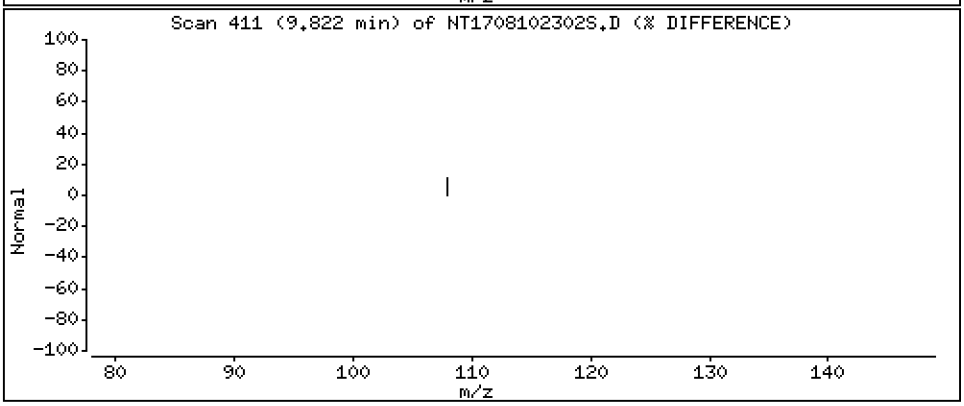












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Date : 10-AUG-2023 12:32

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CAL7

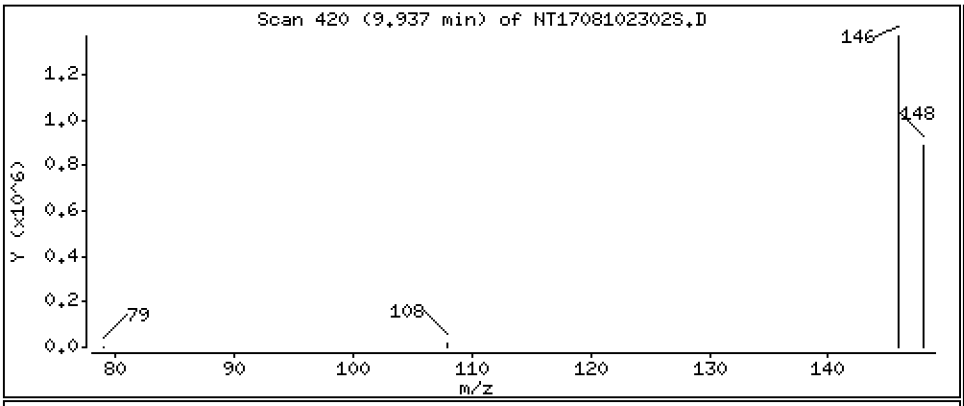
Operator: JGR

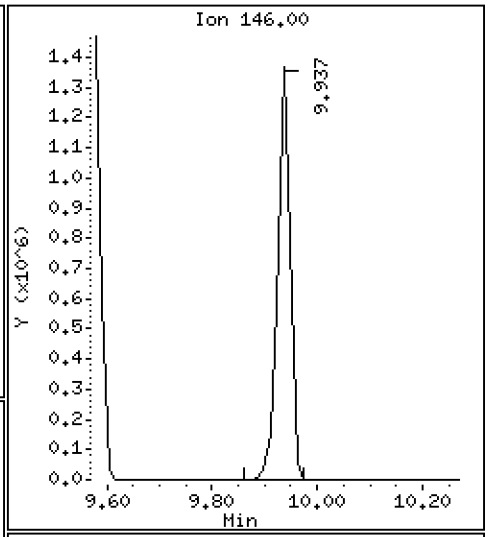
Column phase: ZB-5msi

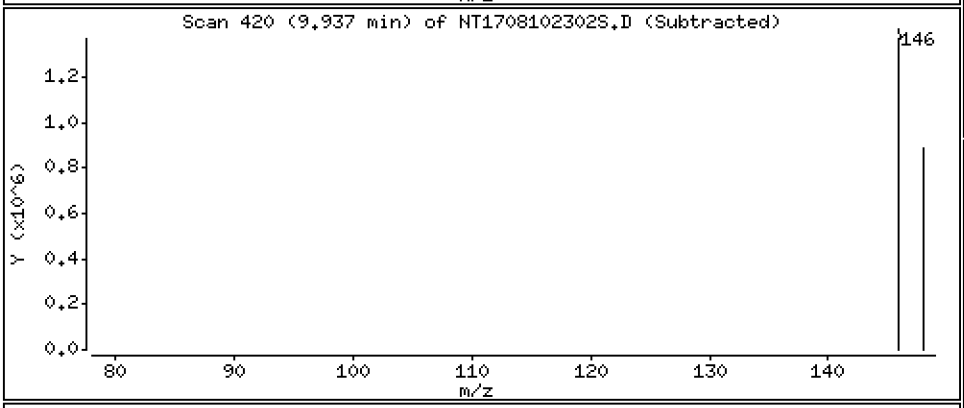
Column diameter: 0.25

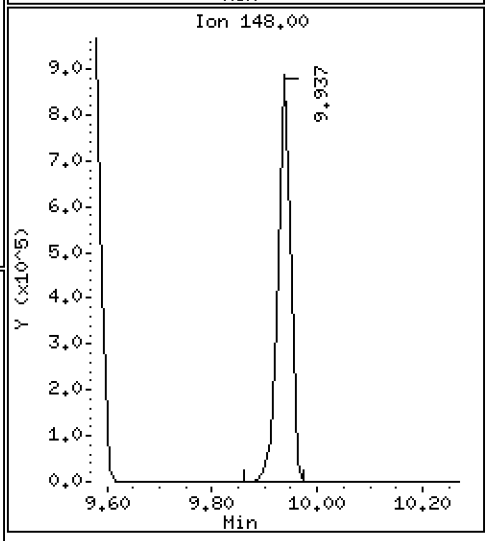
12 1,2-Dichlorobenzene

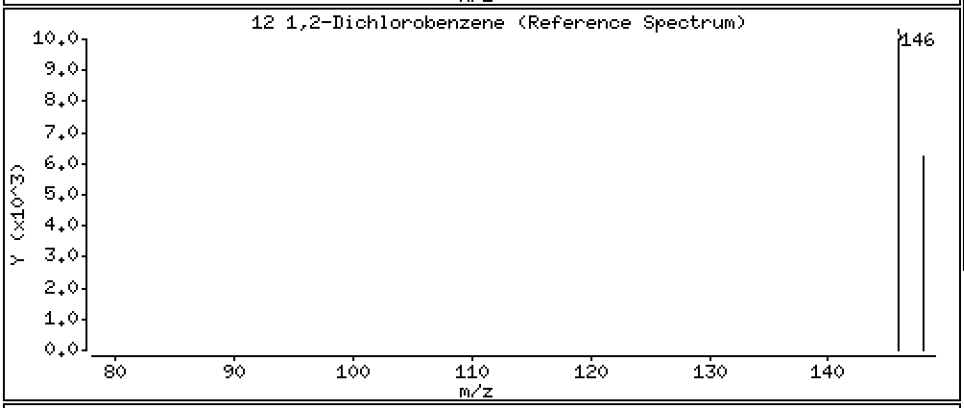
Concentration: 20.47 ug/mL

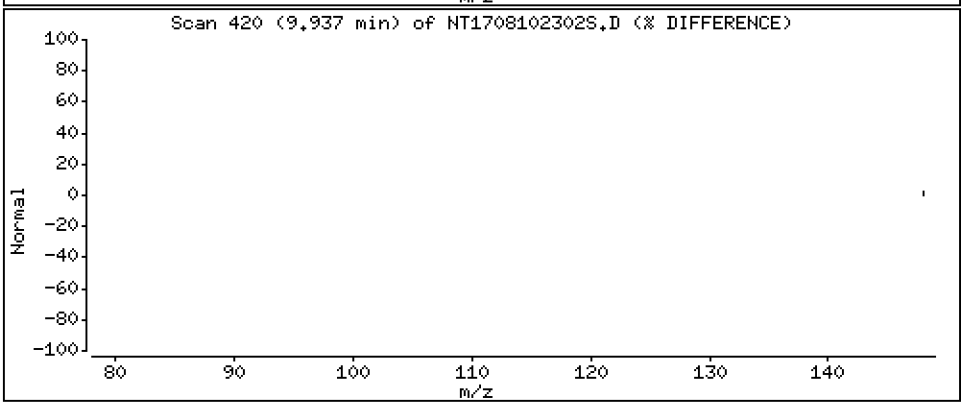












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Date : 10-AUG-2023 12:32

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CAL7

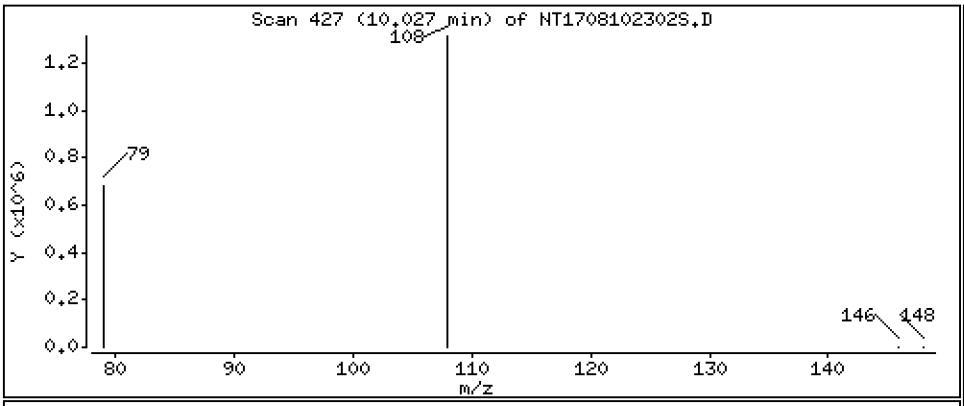
Operator: JGR

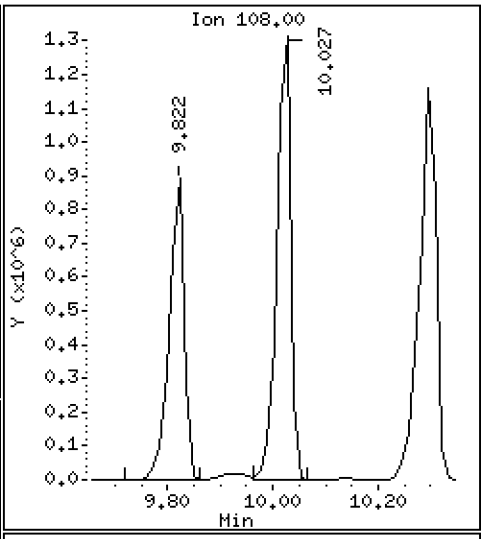
Column phase: ZB-5msi

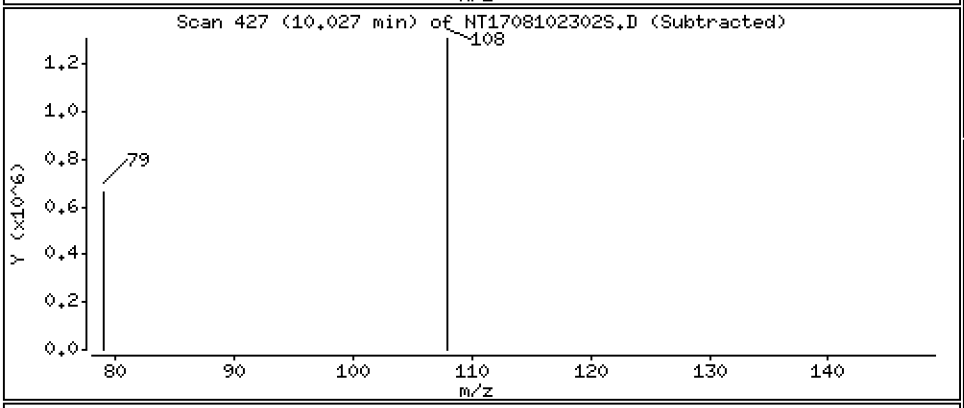
Column diameter: 0.25

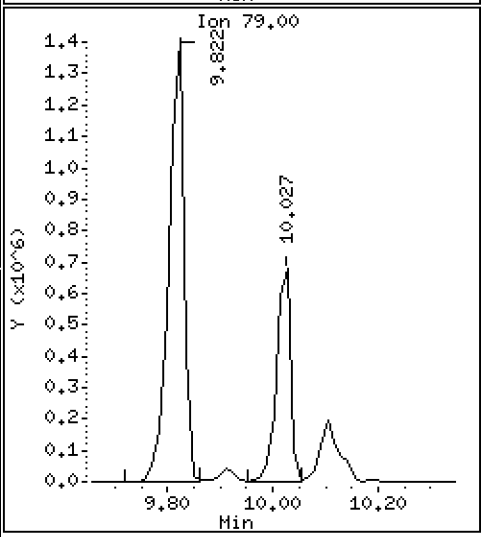
13 2-Methylphenol

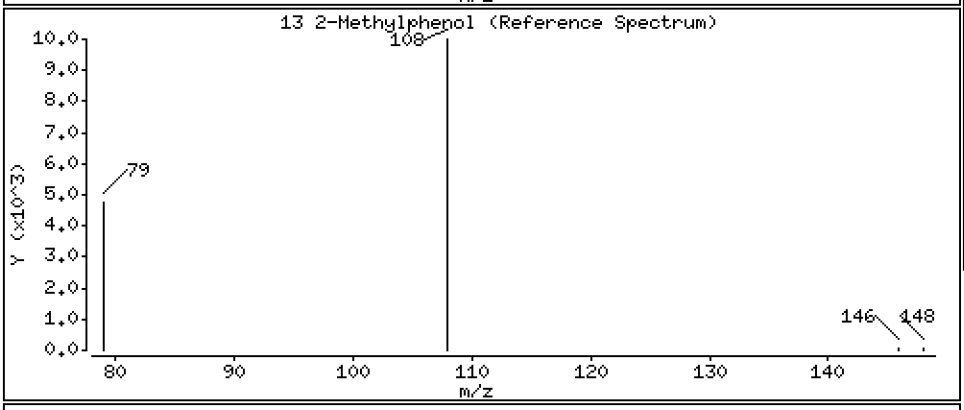
Concentration: 22.73 ug/mL

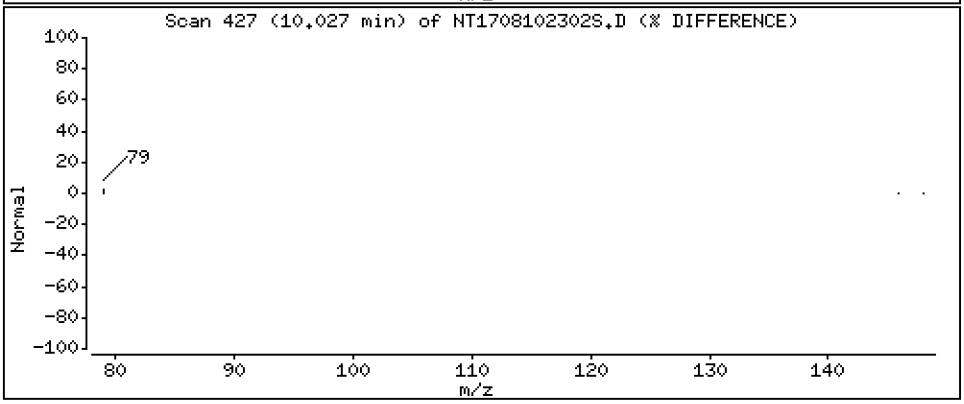












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Date : 10-AUG-2023 12:32

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CAL7

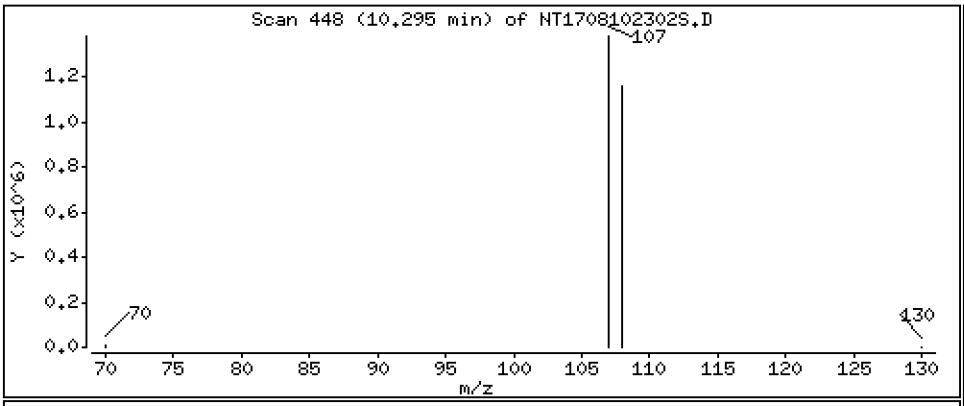
Operator: JGR

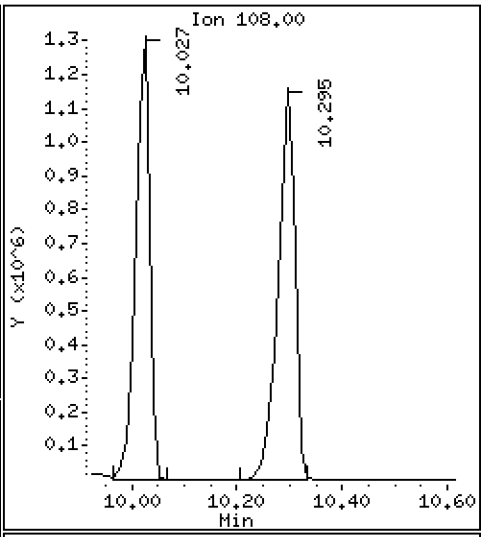
Column phase: ZB-5msi

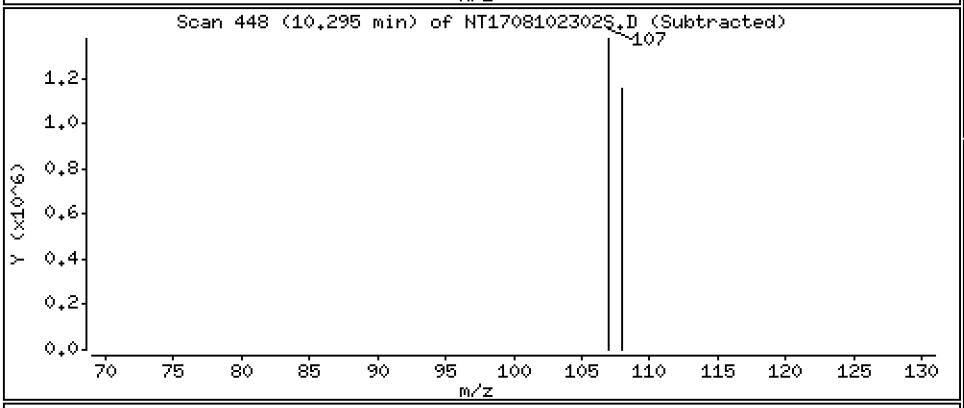
Column diameter: 0.25

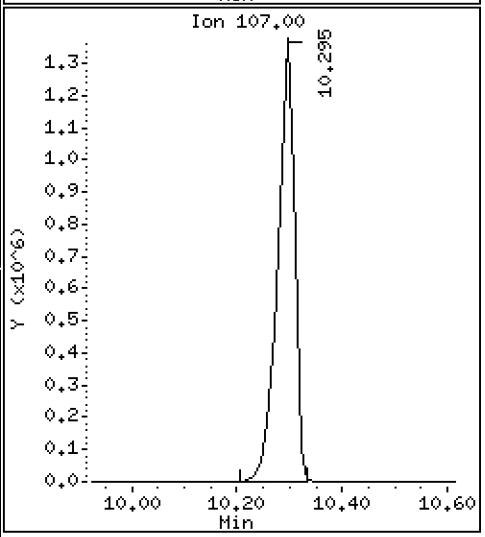
15 4-Methylphenol

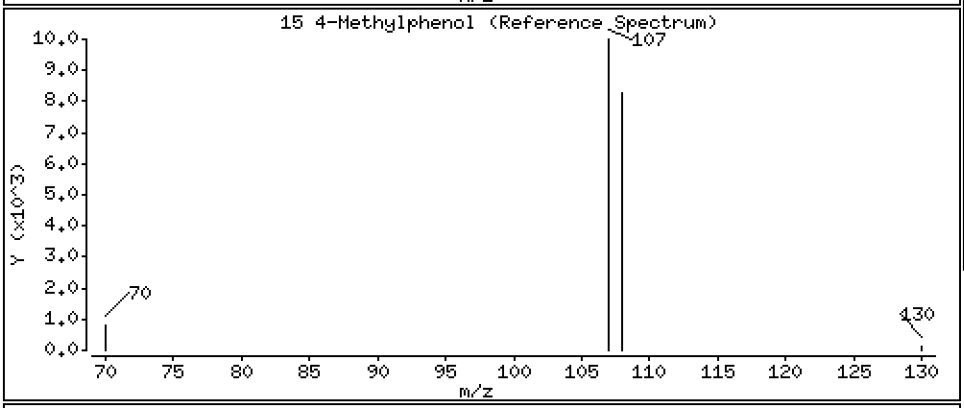
Concentration: 23.16 ug/mL

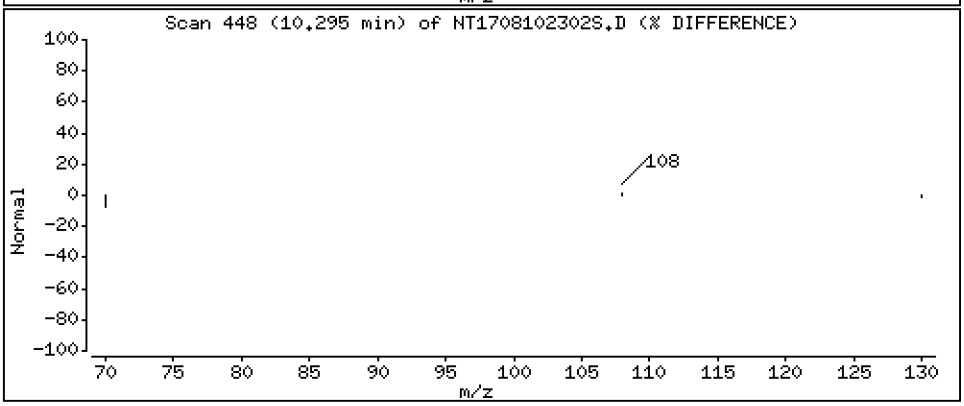












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-CAL7

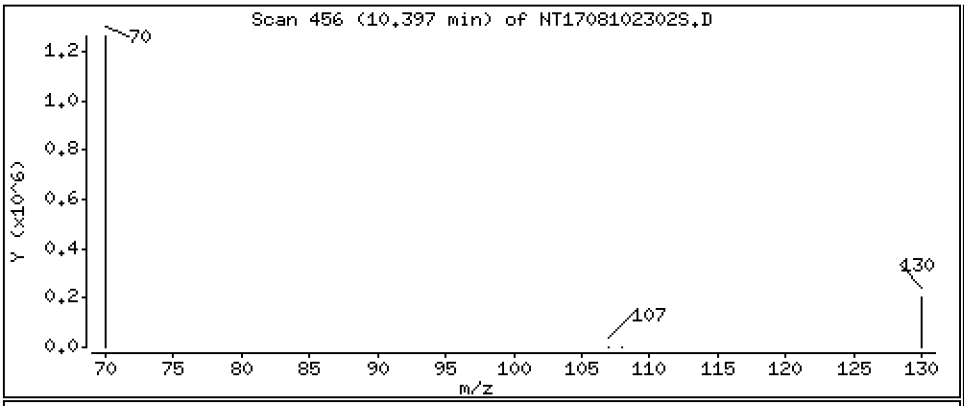
Operator: JGR

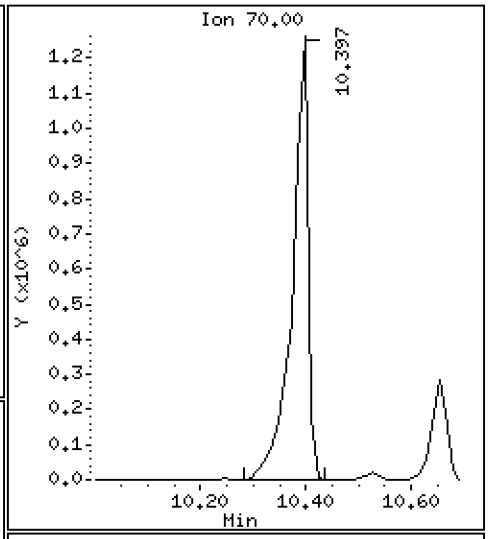
Column phase: ZB-5msi

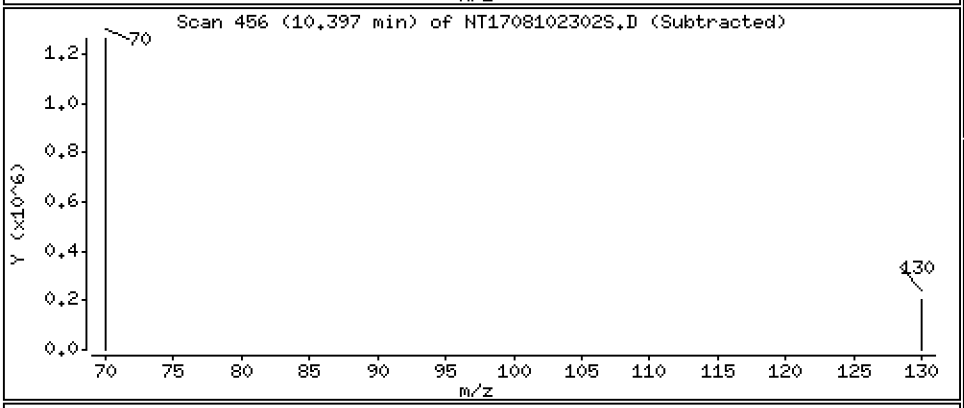
Column diameter: 0.25

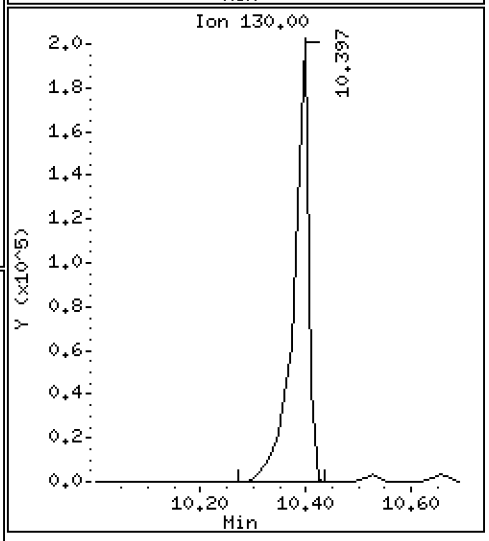
16 N-Nitroso-di-n-propylamine

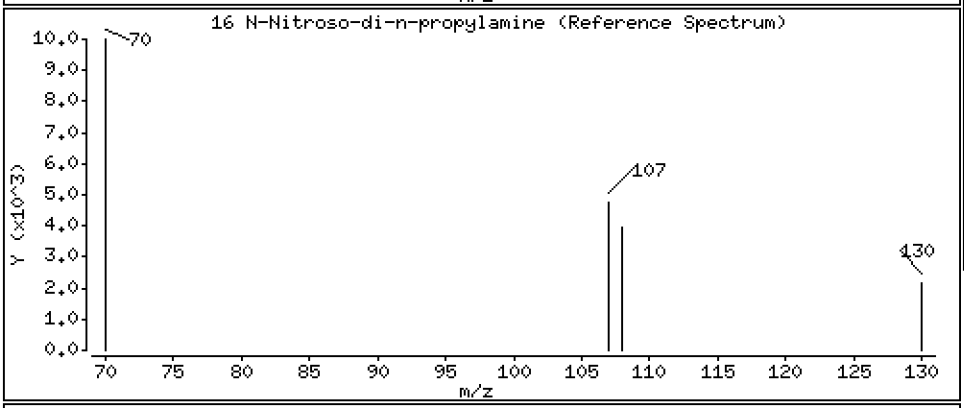
Concentration: 22.99 ug/mL

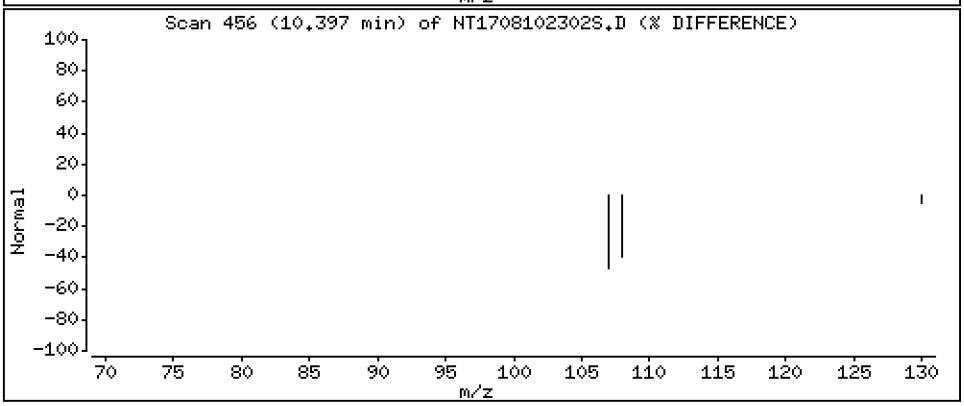












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-CAL7

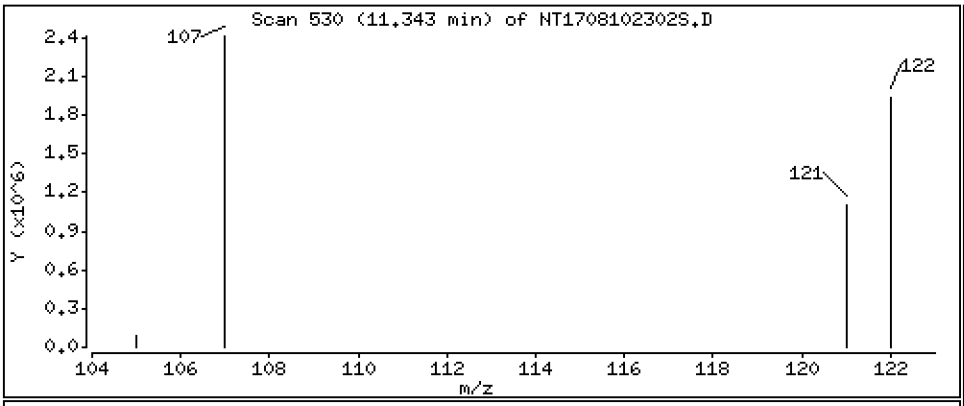
Operator: JGR

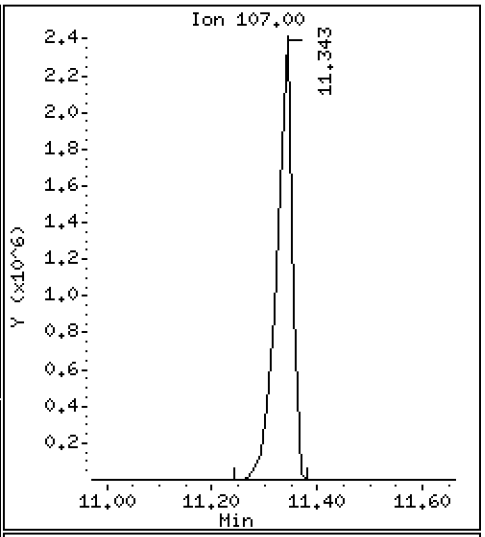
Column phase: ZB-5msi

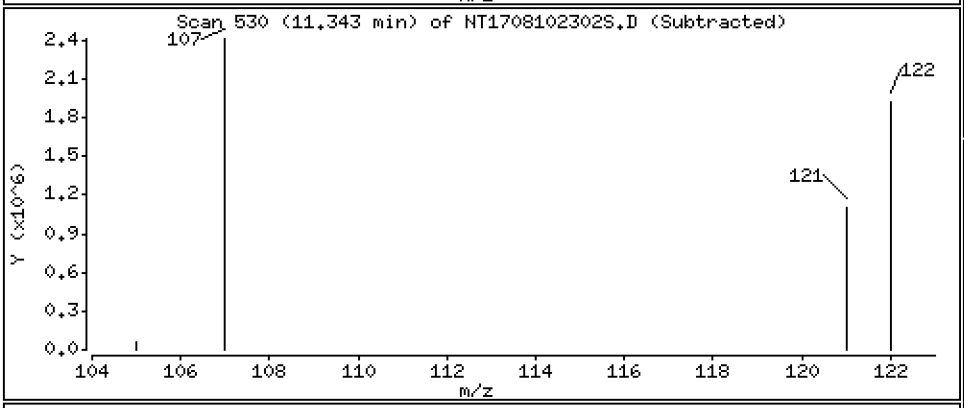
Column diameter: 0.25

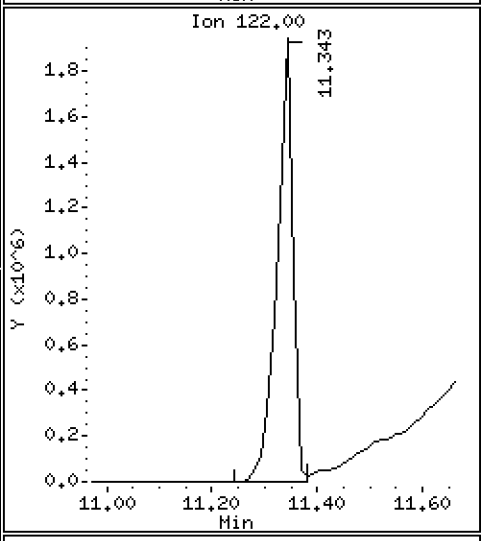
22 2,4-Dimethylphenol

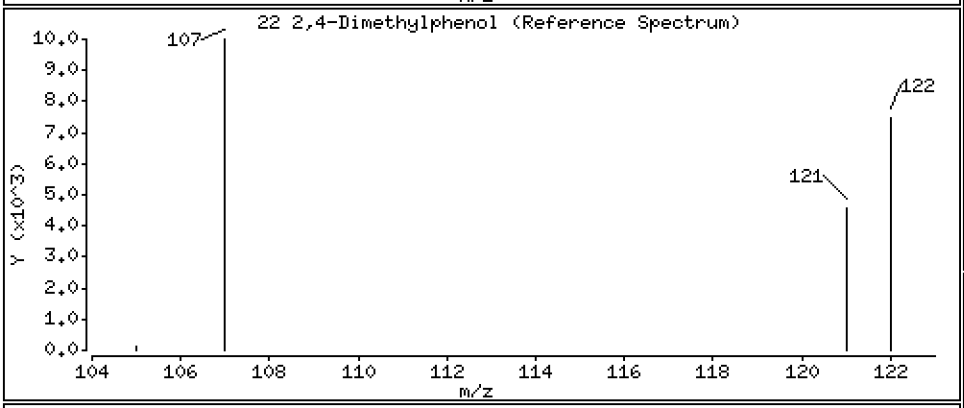
Concentration: 43.28 ug/mL

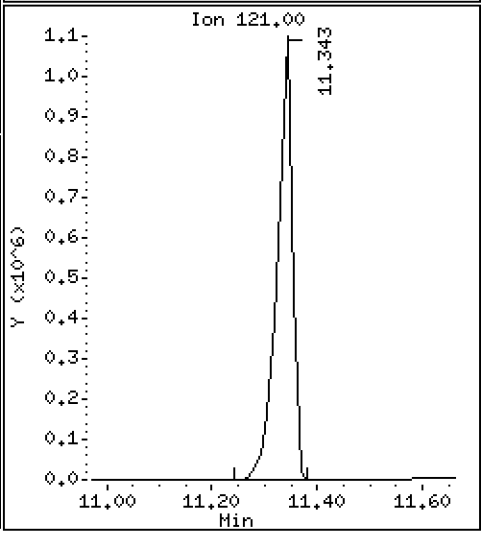


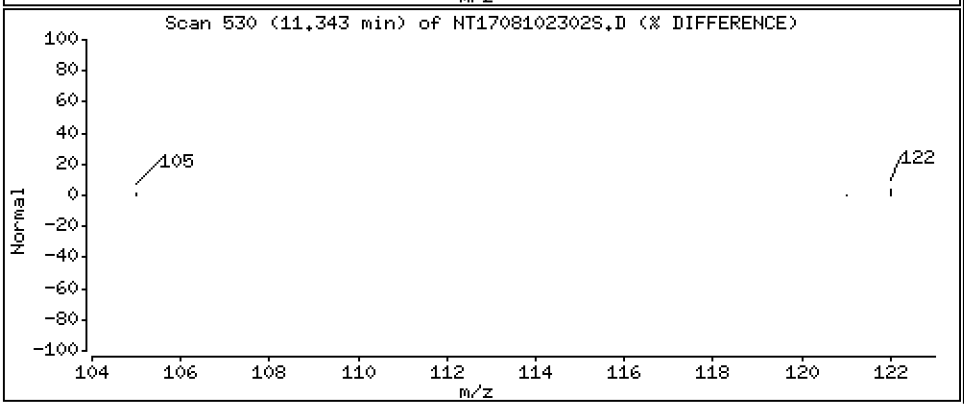












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-CAL7

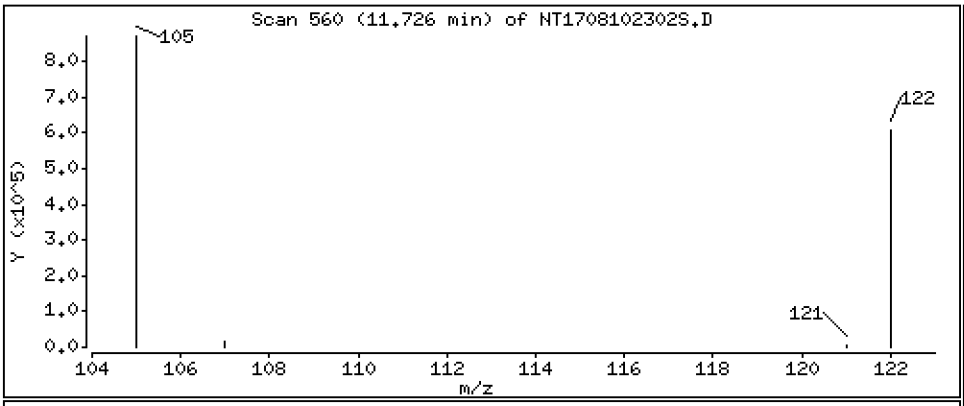
Operator: JGR

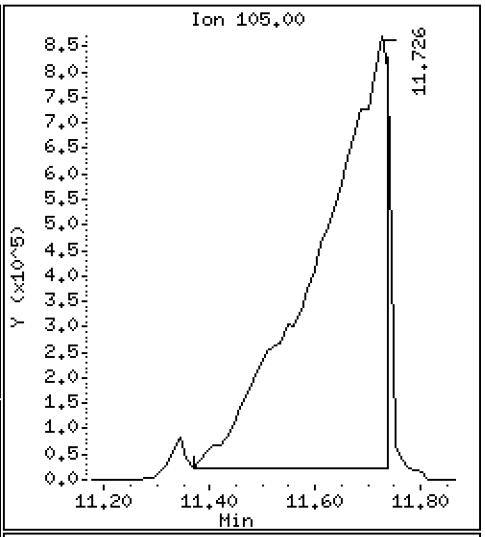
Column phase: ZB-5msi

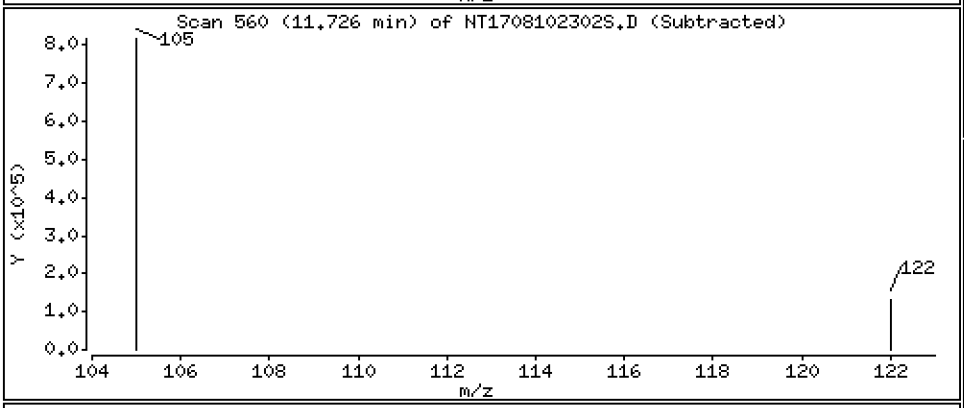
Column diameter: 0.25

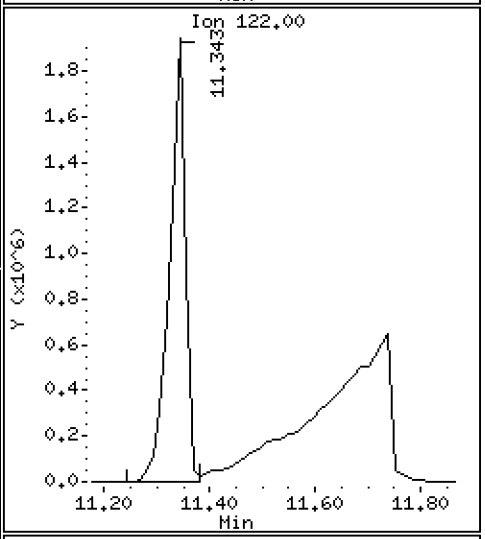
24 Benzoic acid

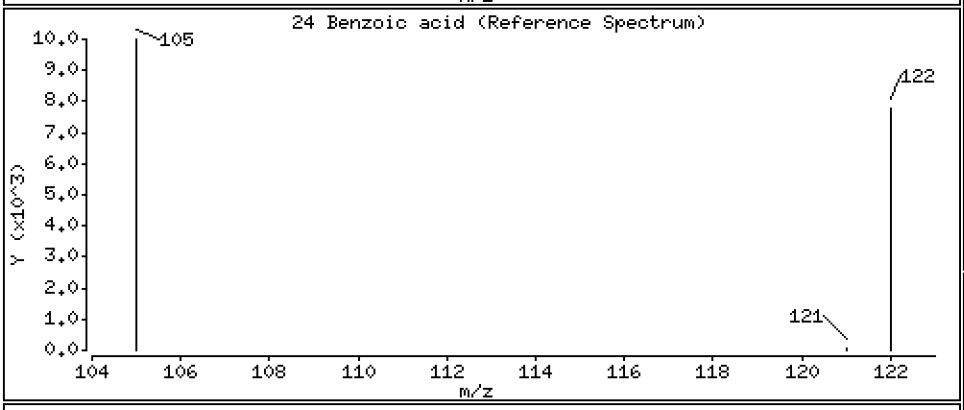
Concentration: 57.01 ug/mL

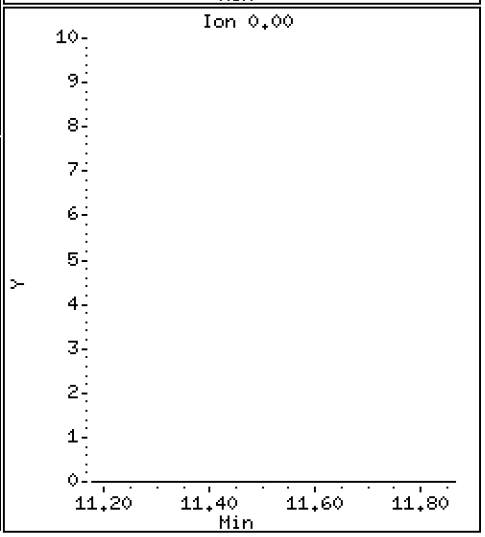


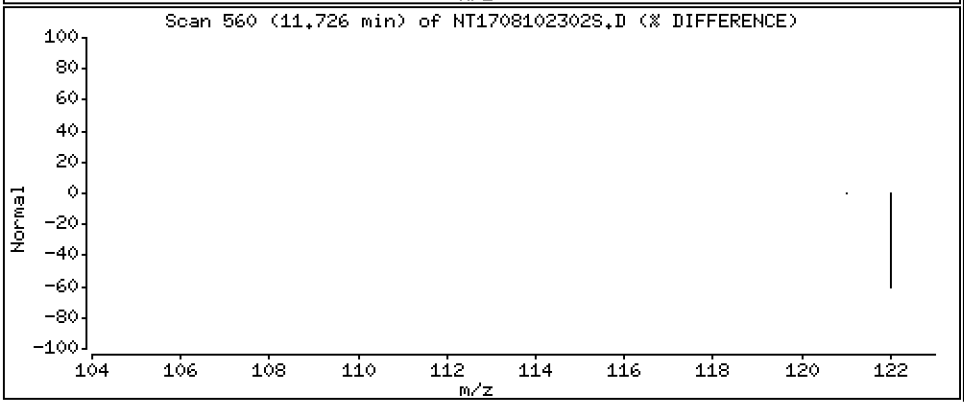












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-CAL7

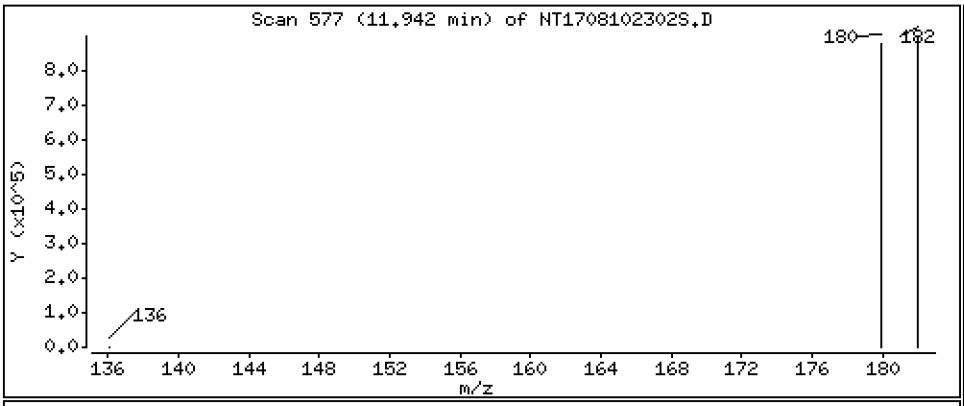
Operator: JGR

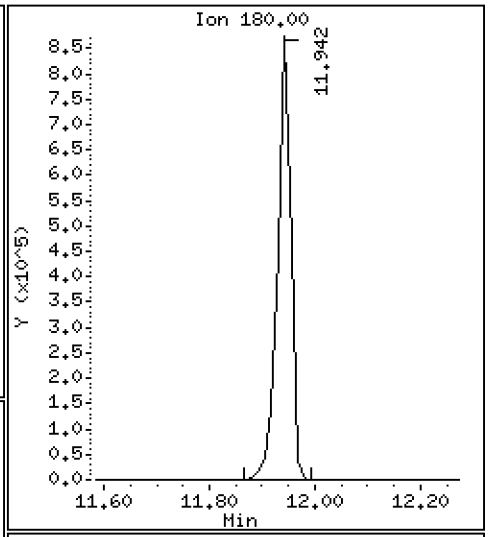
Column phase: ZB-5msi

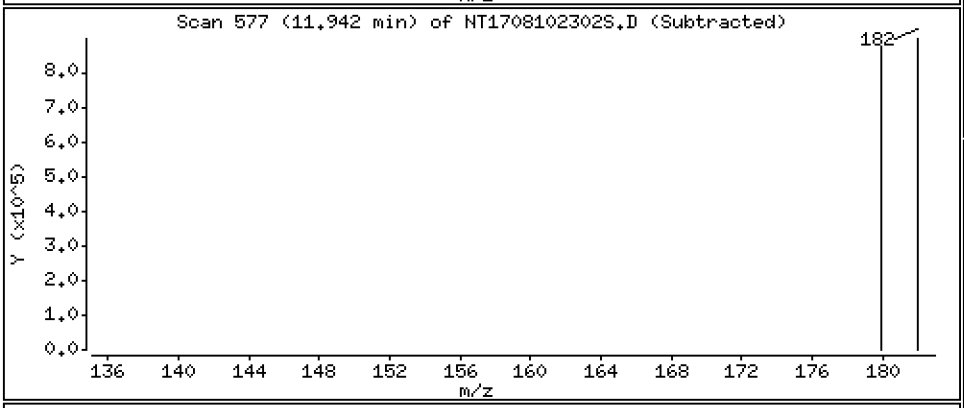
Column diameter: 0.25

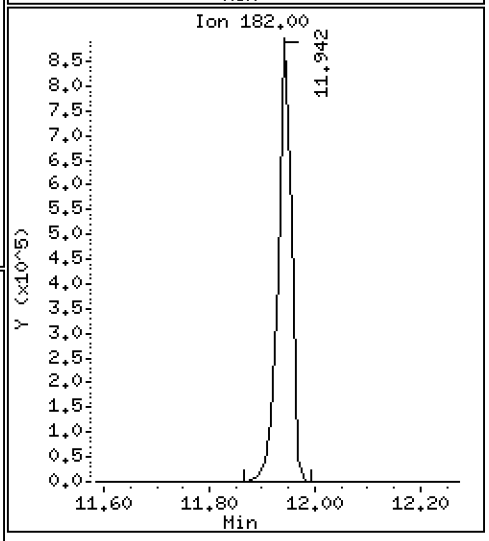
26 1,2,4-Trichlorobenzene

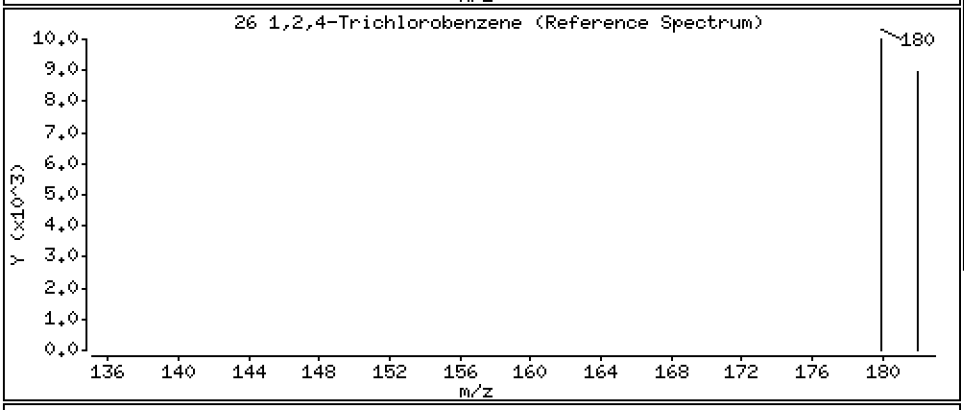
Concentration: 19.65 ug/mL

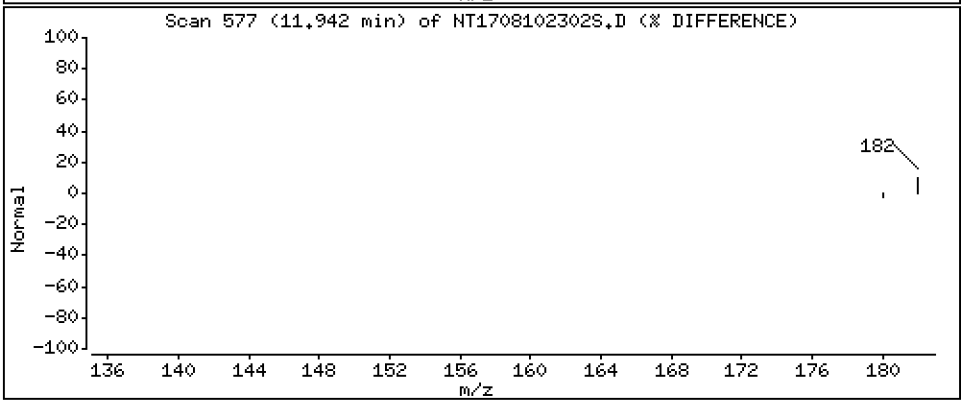












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Date : 10-AUG-2023 12:32

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CAL7

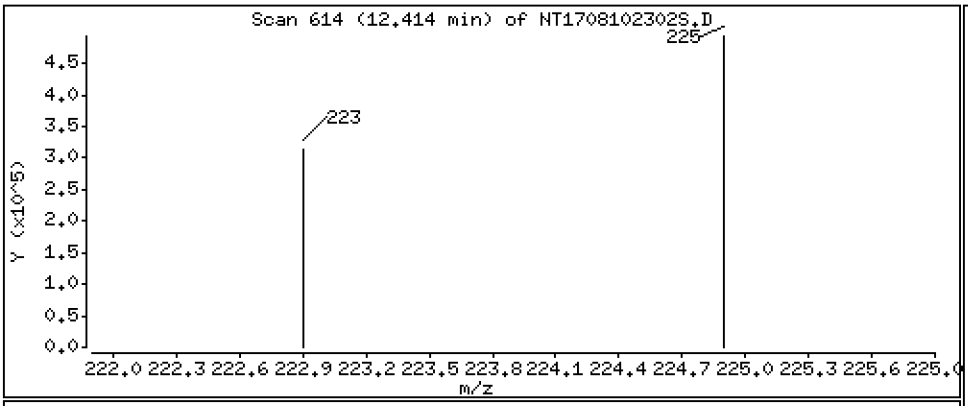
Operator: JGR

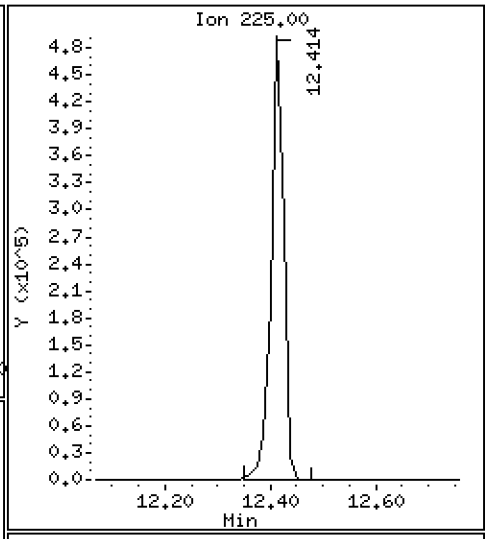
Column phase: ZB-5msi

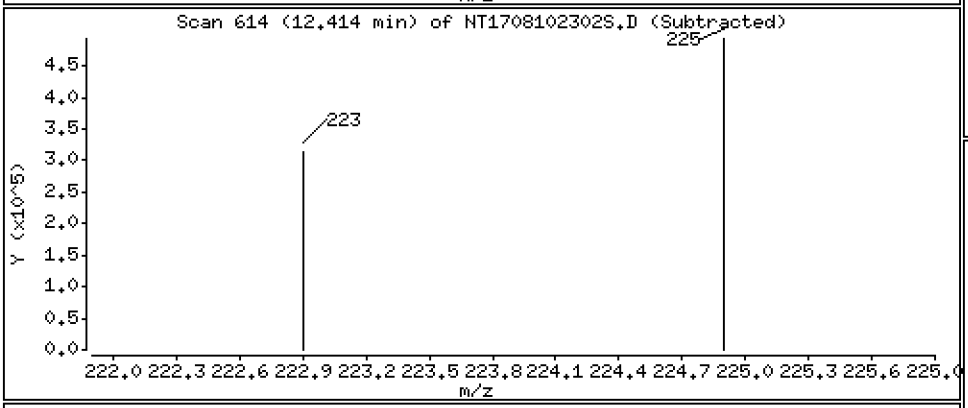
Column diameter: 0.25

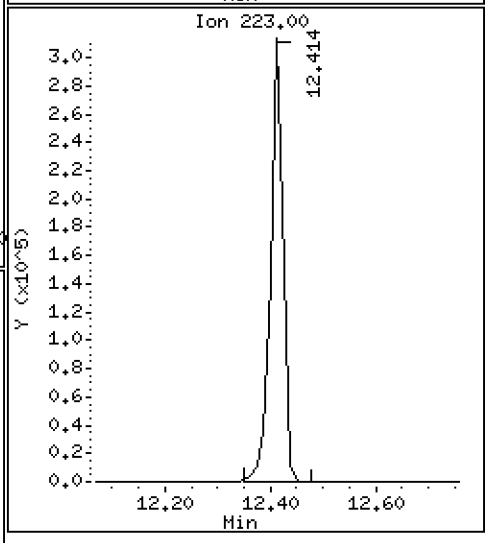
30 Hexachlorobutadiene

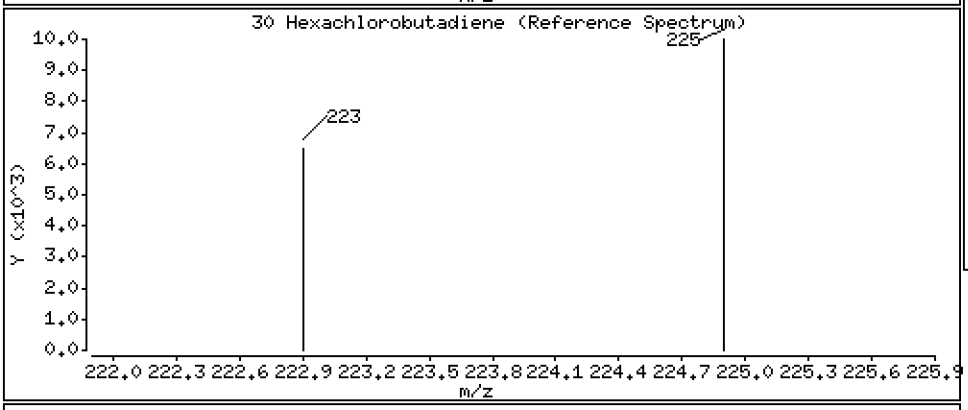
Concentration: 22.28 ug/mL

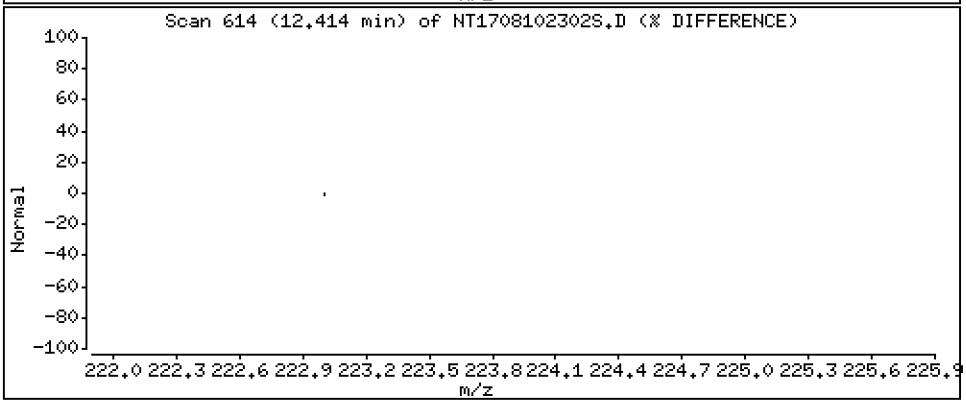












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Date : 10-AUG-2023 12:32

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CAL7

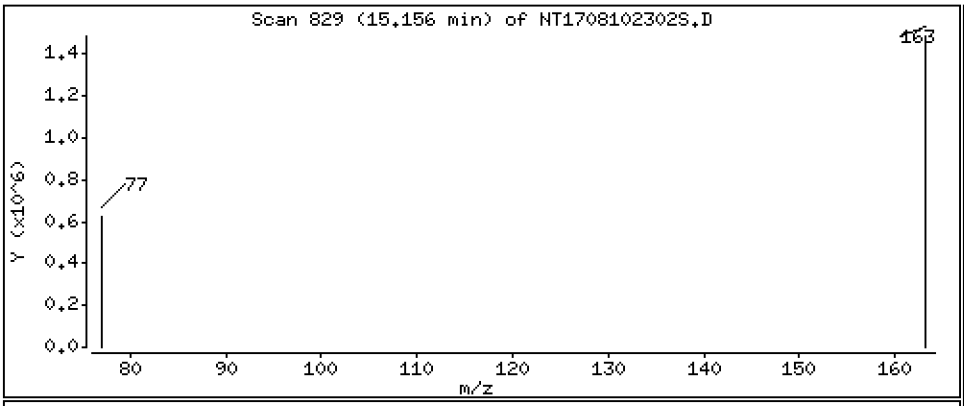
Operator: JGR

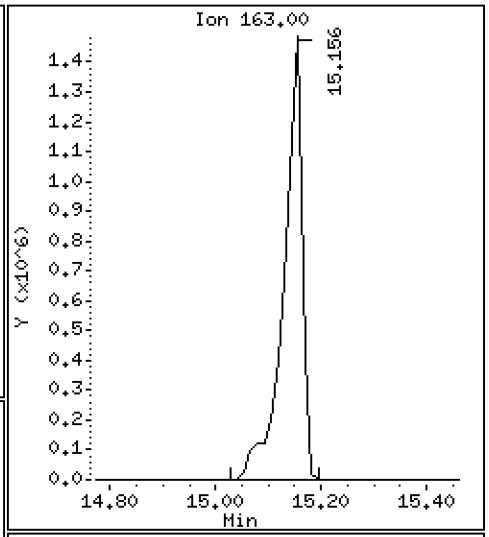
Column phase: ZB-5msi

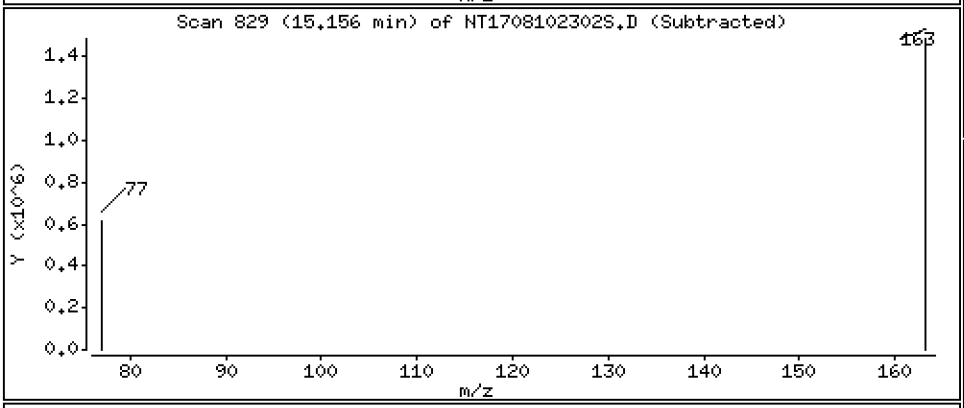
Column diameter: 0.25

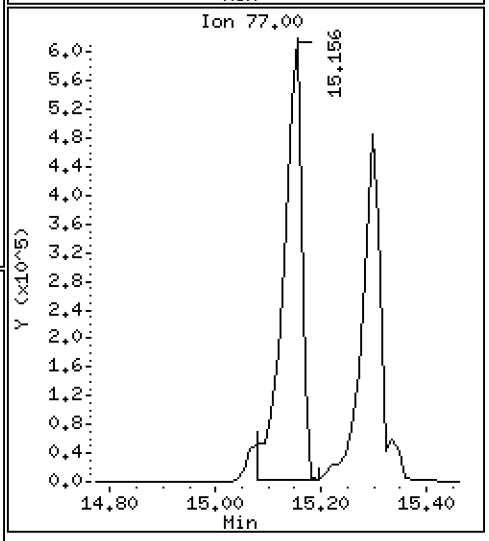
39 Dimethylphthalate

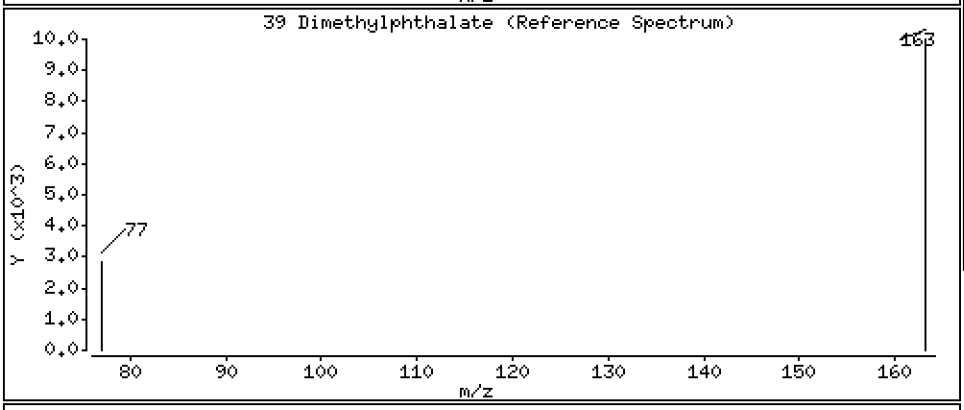
Concentration: 21.19 ug/mL

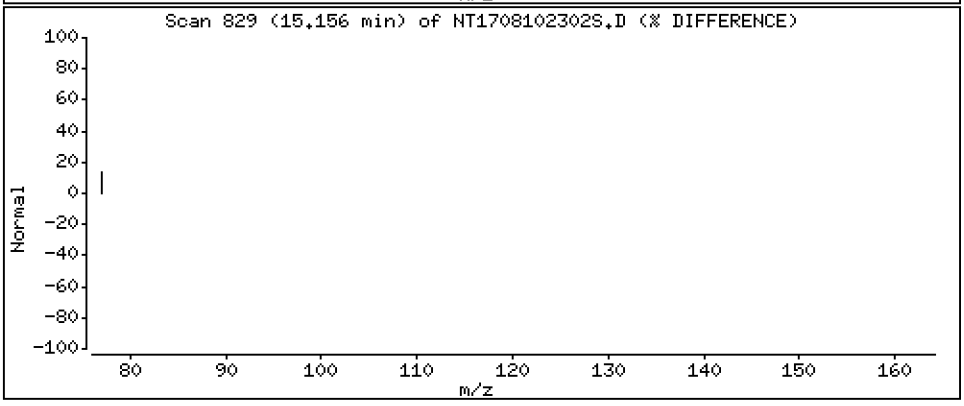












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Date : 10-AUG-2023 12:32

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CAL7

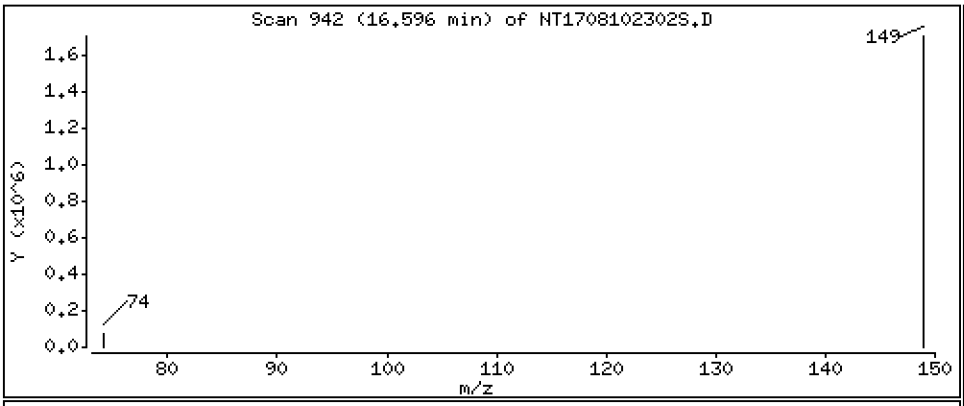
Operator: JGR

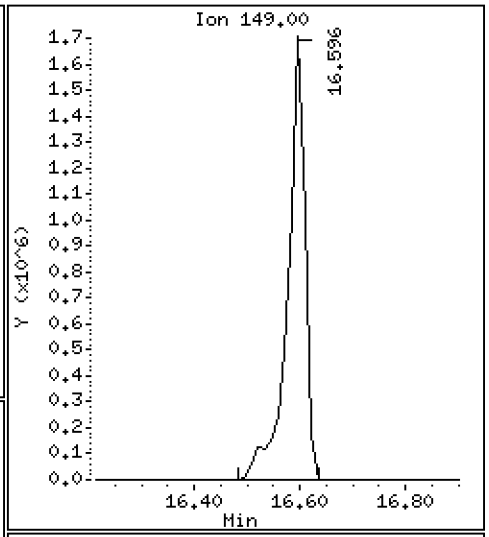
Column phase: ZB-5msi

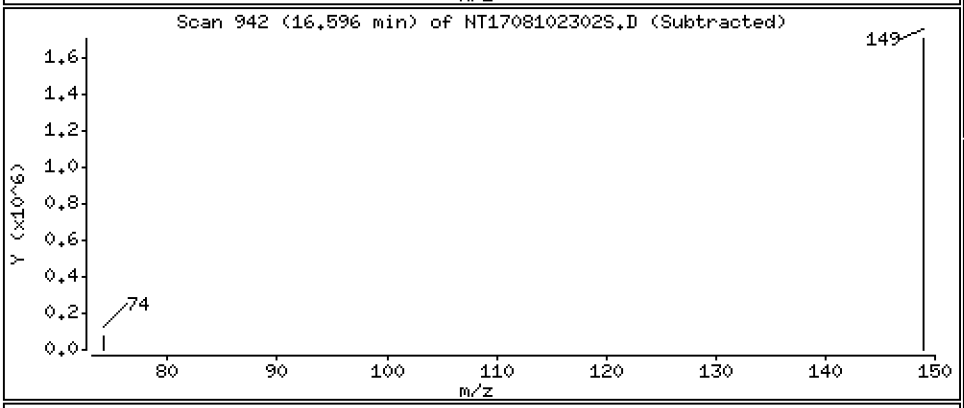
Column diameter: 0.25

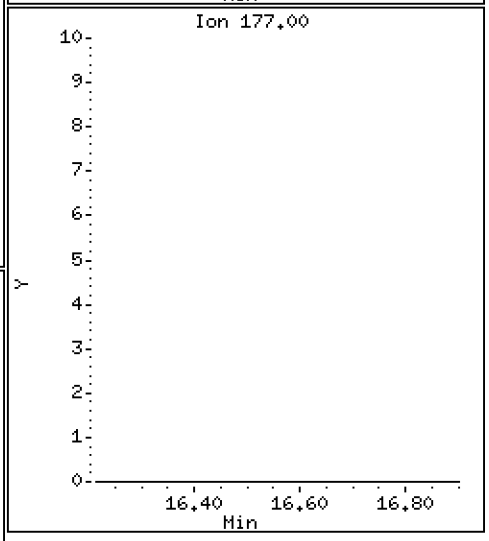
50 Diethylphthalate

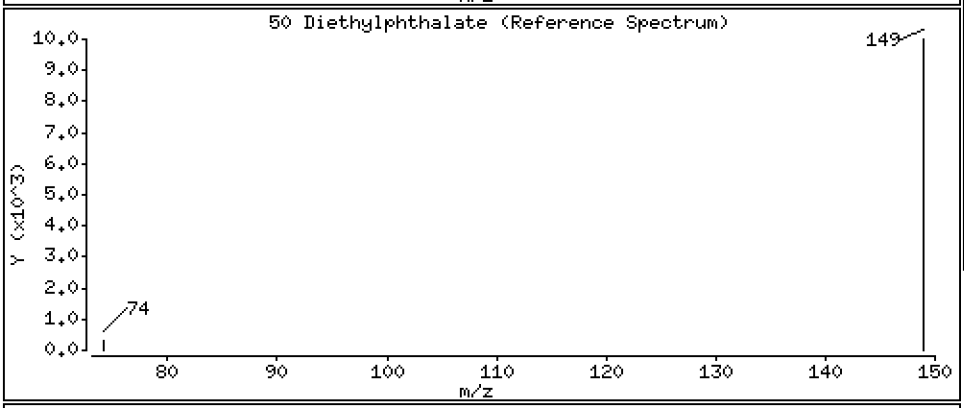
Concentration: 22.25 ug/mL

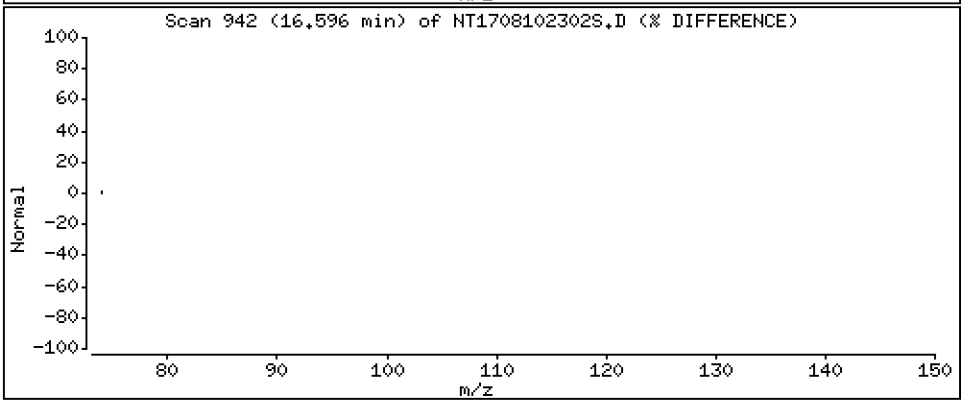












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Date : 10-AUG-2023 12:32

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CAL7

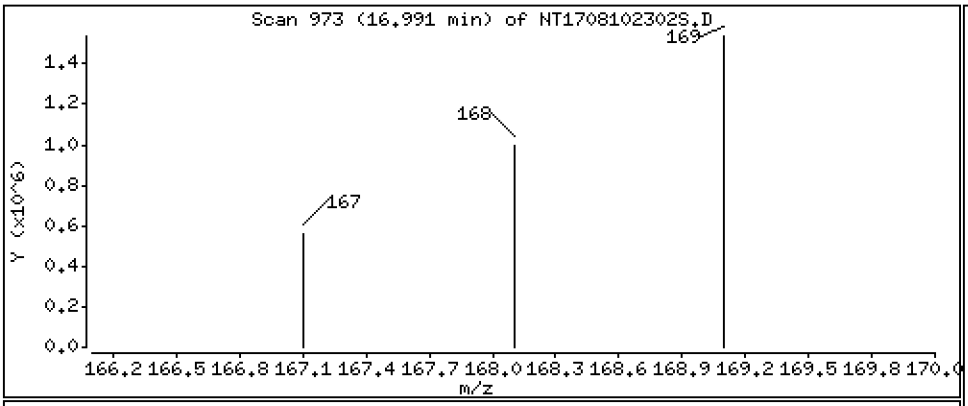
Operator: JGR

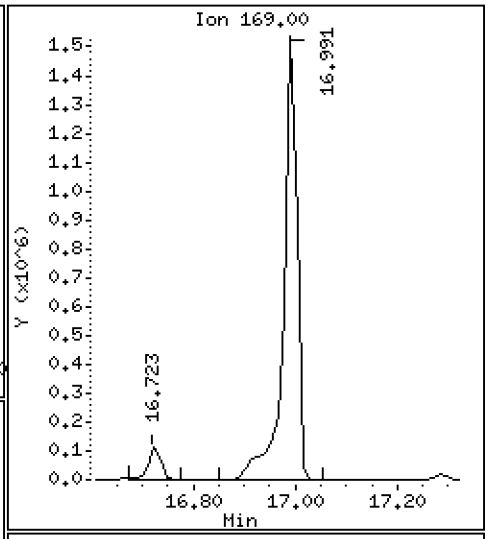
Column phase: ZB-5msi

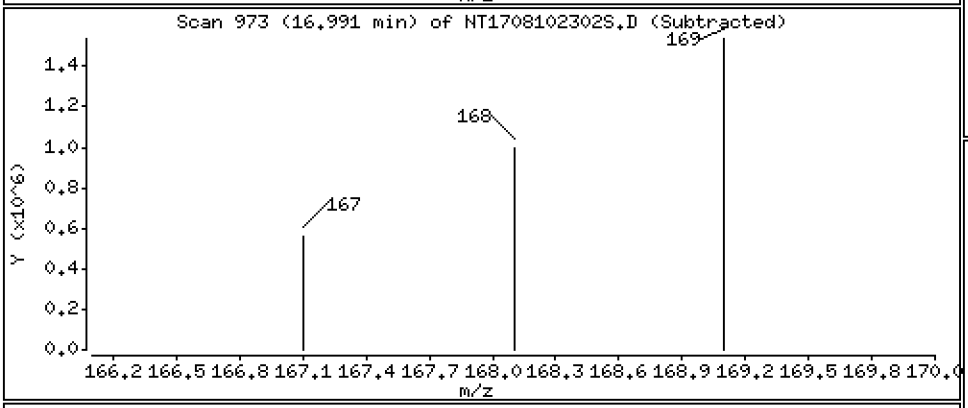
Column diameter: 0.25

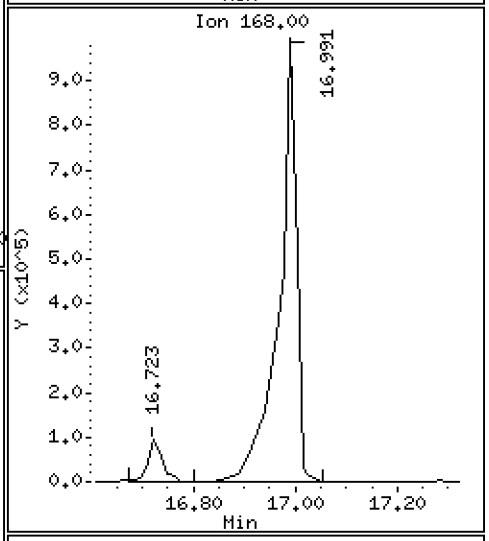
54 N-Nitrosodiphenylamine

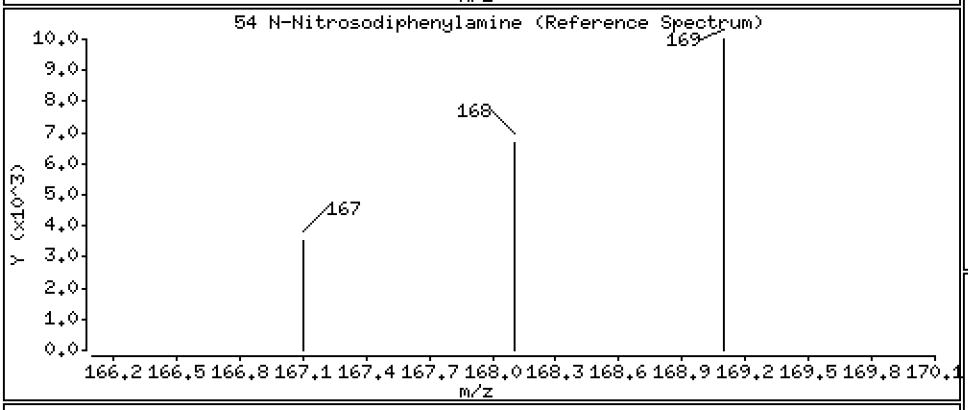
Concentration: 23.60 ug/mL

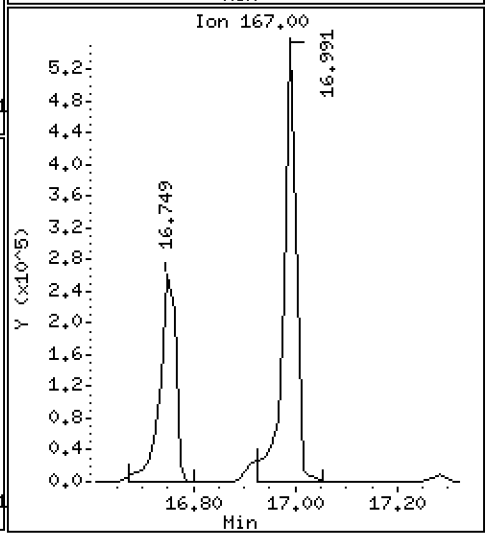


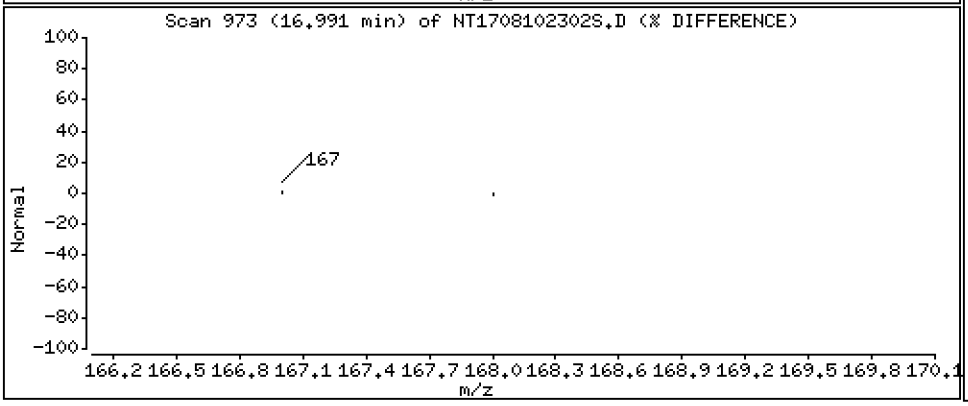












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Date : 10-AUG-2023 12:32

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CAL7

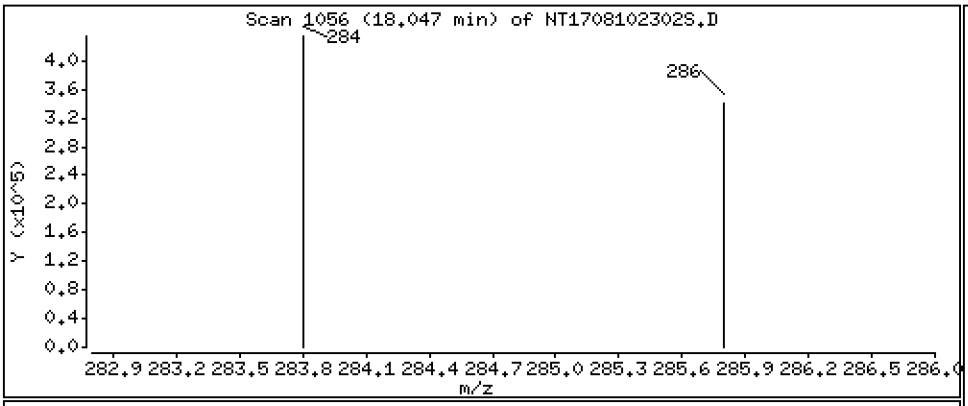
Operator: JGR

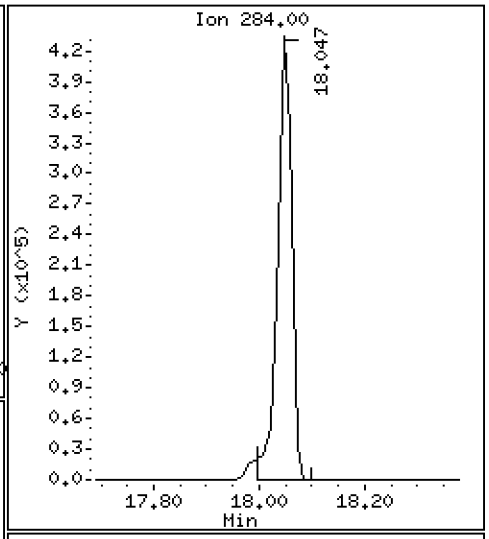
Column phase: ZB-5msi

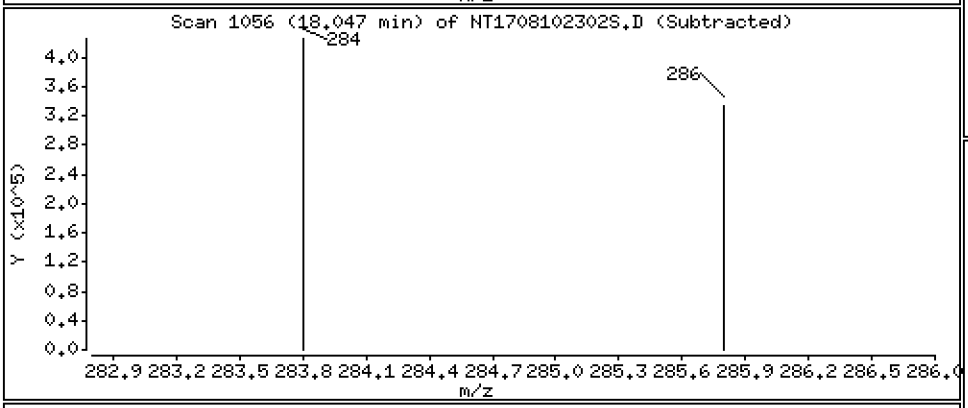
Column diameter: 0.25

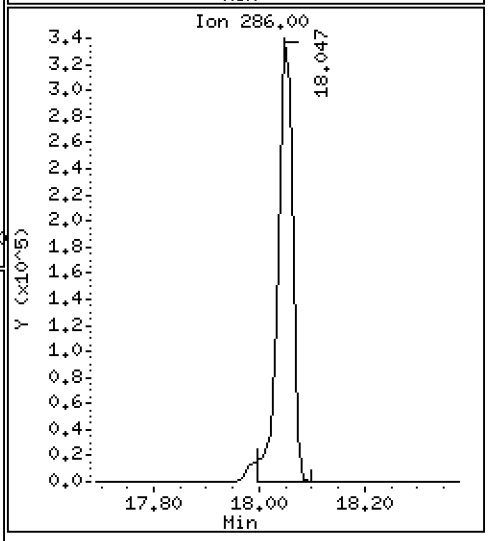
57 Hexachlorobenzene

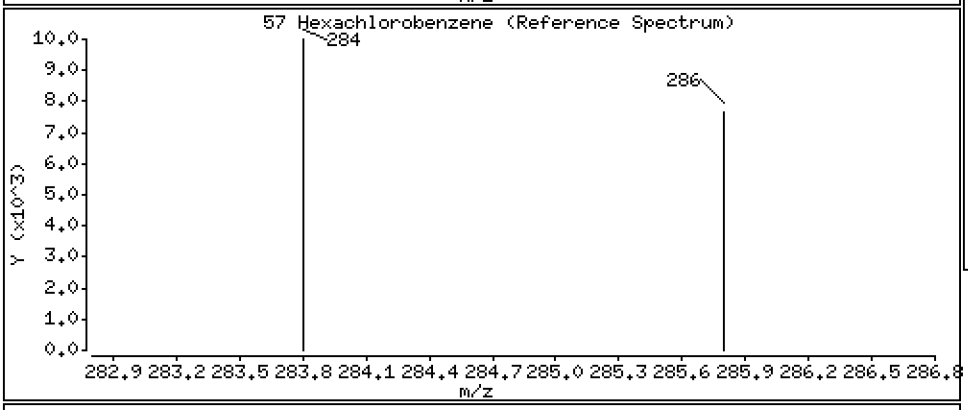
Concentration: 21.10 ug/mL

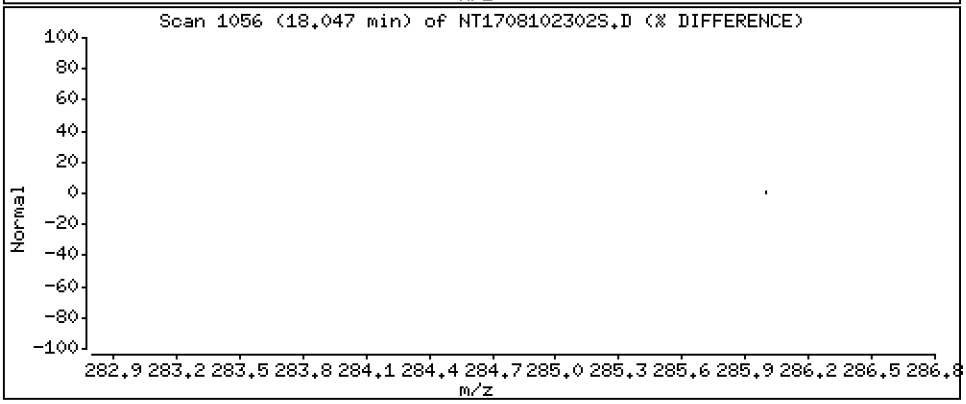












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Date : 10-AUG-2023 12:32

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CAL7

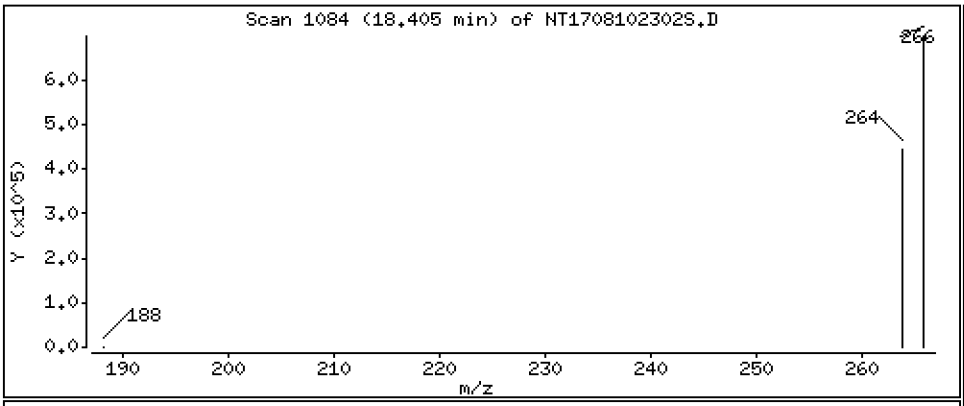
Operator: JGR

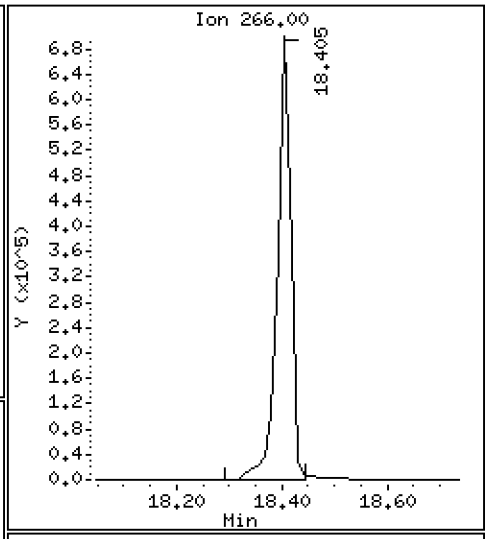
Column phase: ZB-5msi

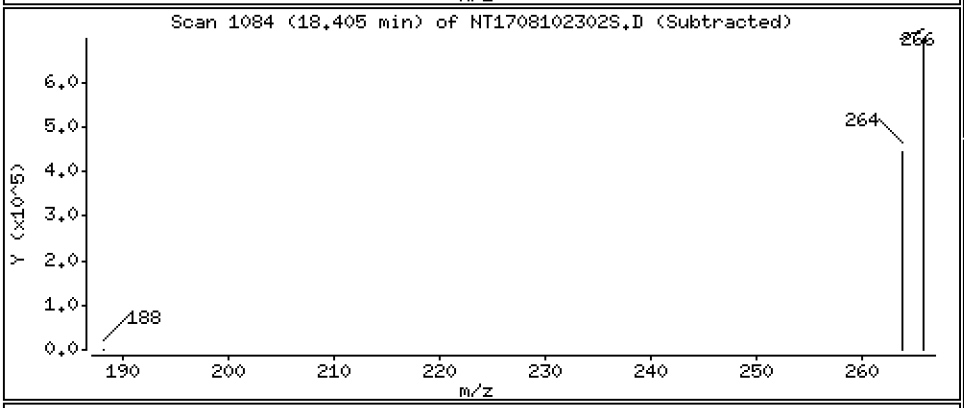
Column diameter: 0.25

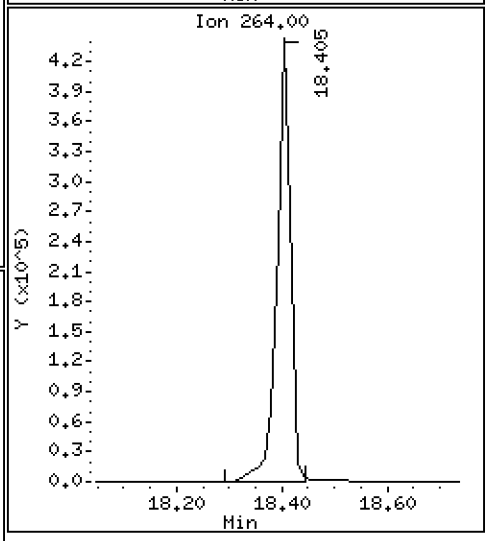
58 Pentachlorophenol

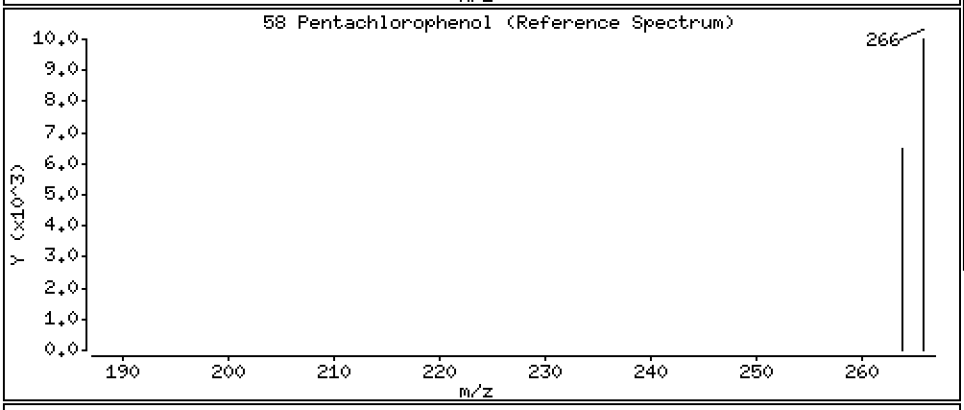
Concentration: 47.47 ug/mL

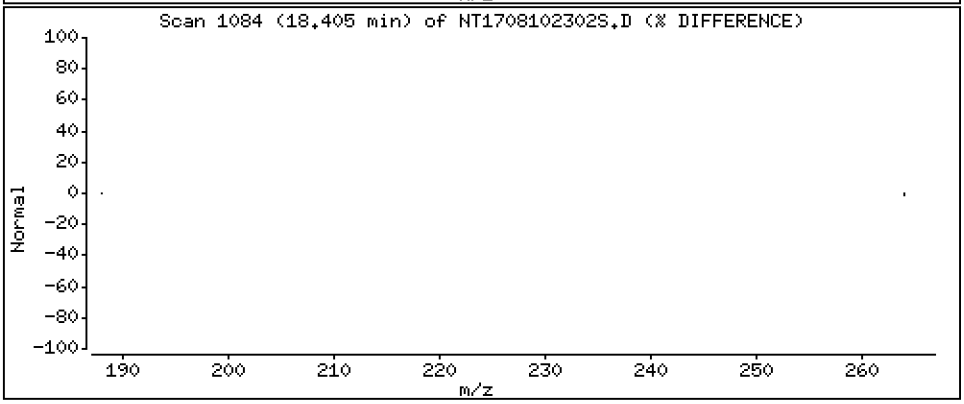












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Date : 10-AUG-2023 12:32

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CAL7

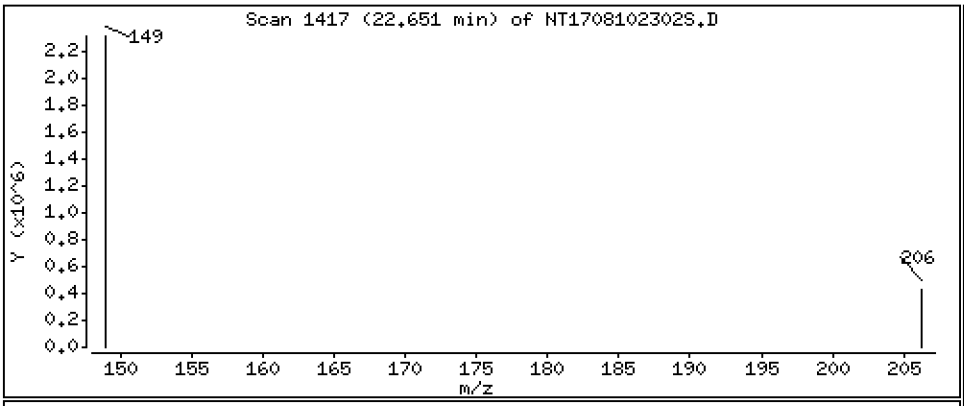
Operator: JGR

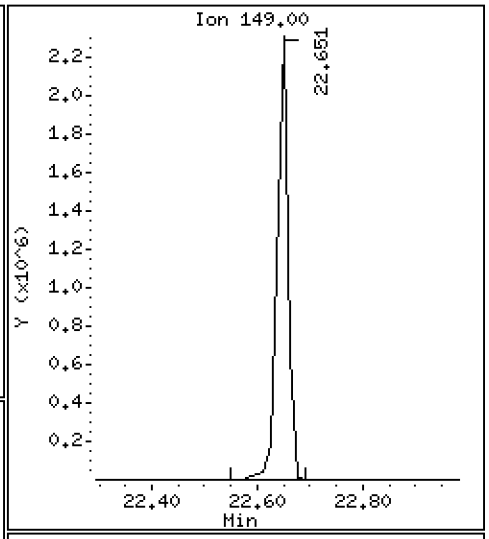
Column phase: ZB-5msi

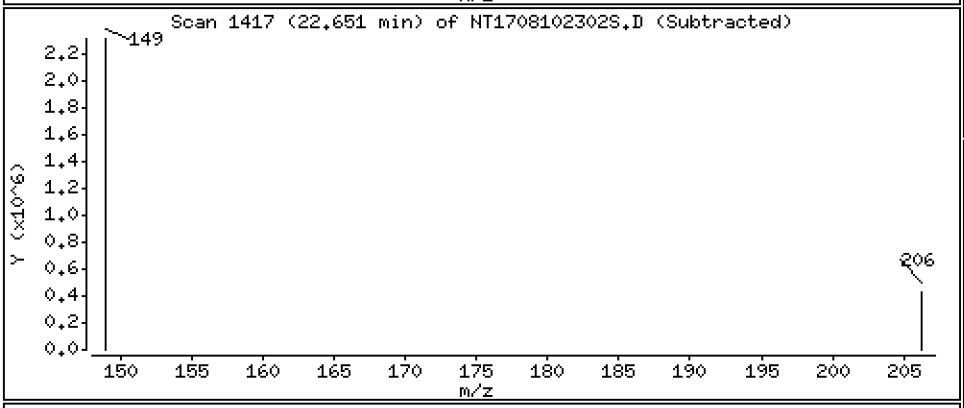
Column diameter: 0.25

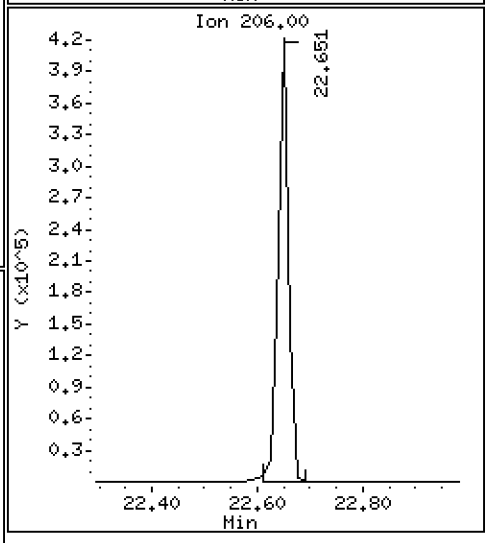
67 Butylbenzylphthalate

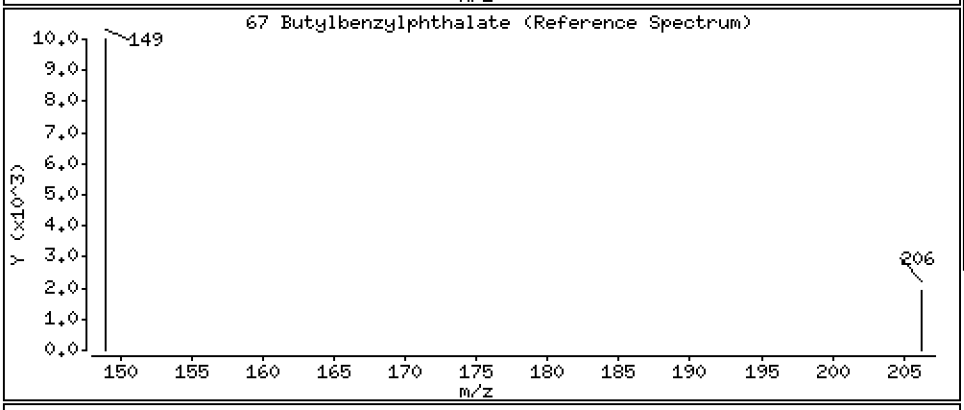
Concentration: 19.44 ug/mL

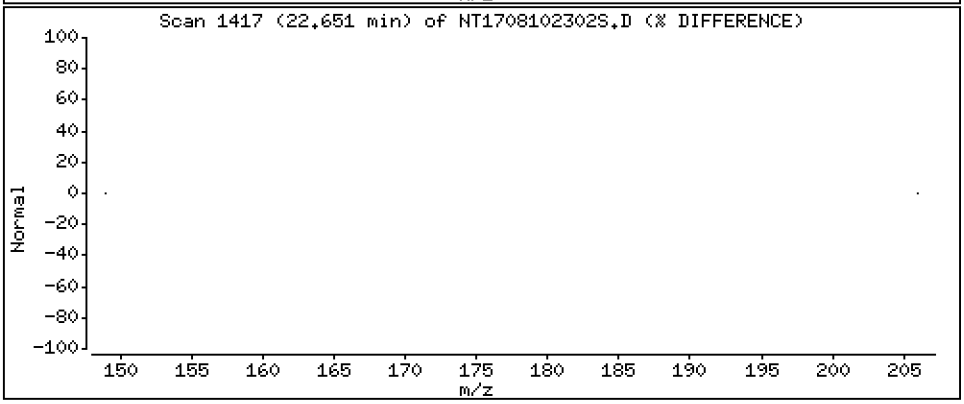












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Date : 10-AUG-2023 12:32

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CAL7

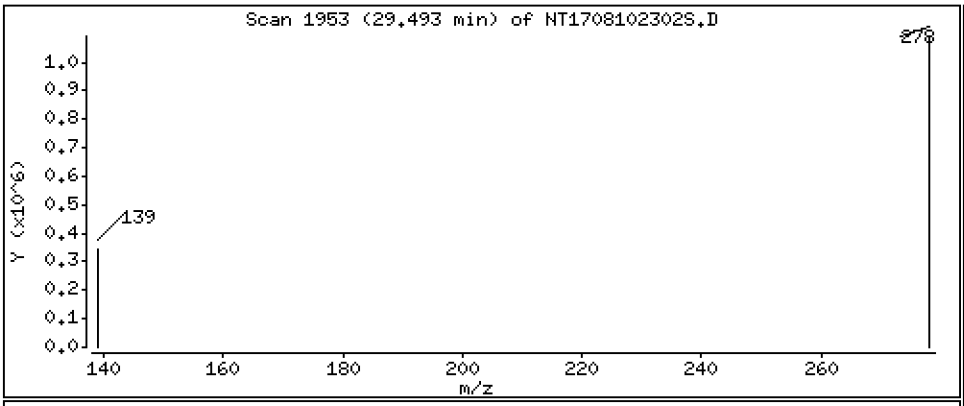
Operator: JGR

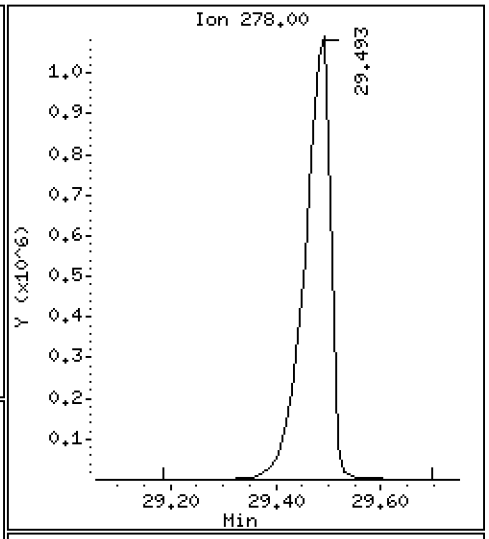
Column phase: ZB-5msi

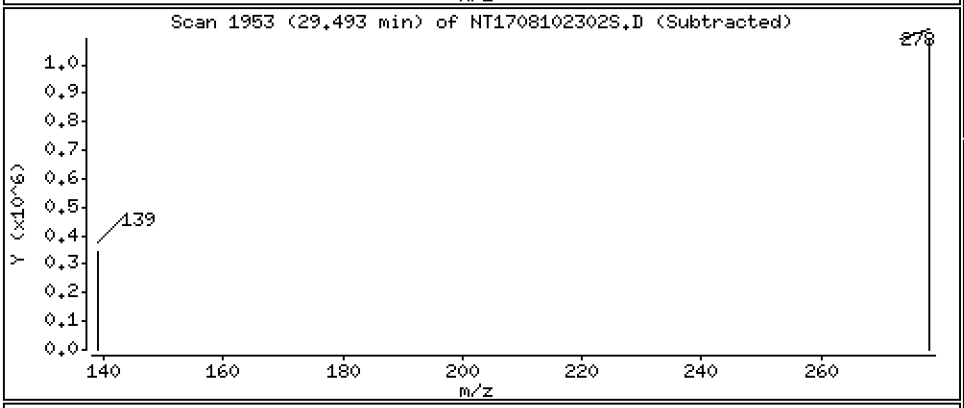
Column diameter: 0.25

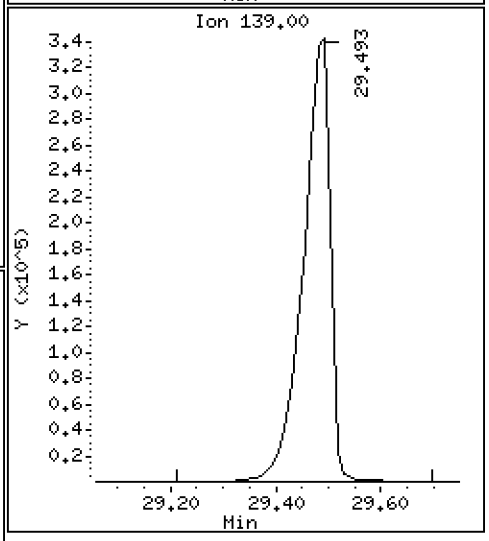
79 Dibenzo(a,h)anthracene

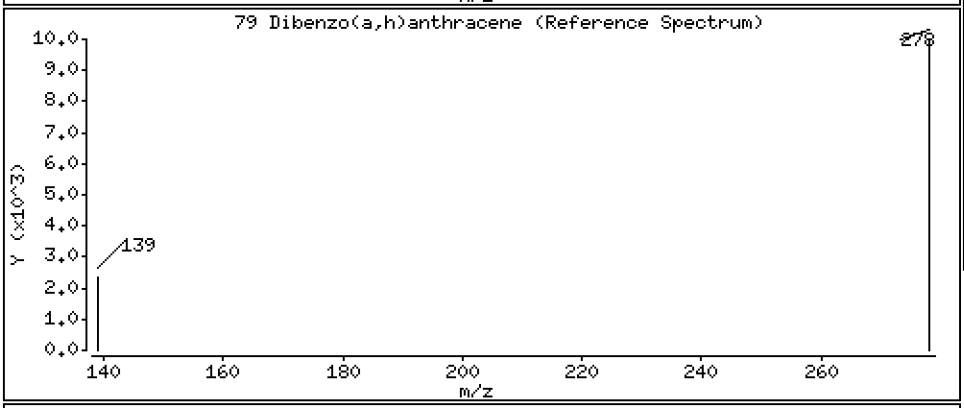
Concentration: 21.59 ug/mL

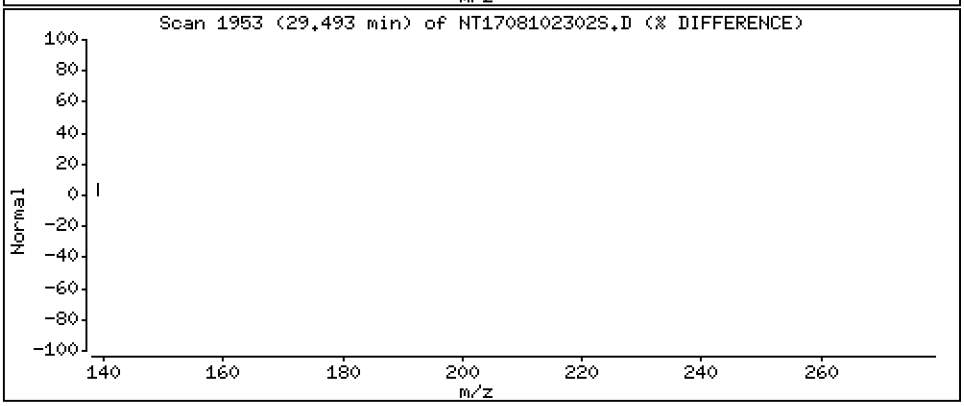












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Date : 10-AUG-2023 12:32

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CAL7

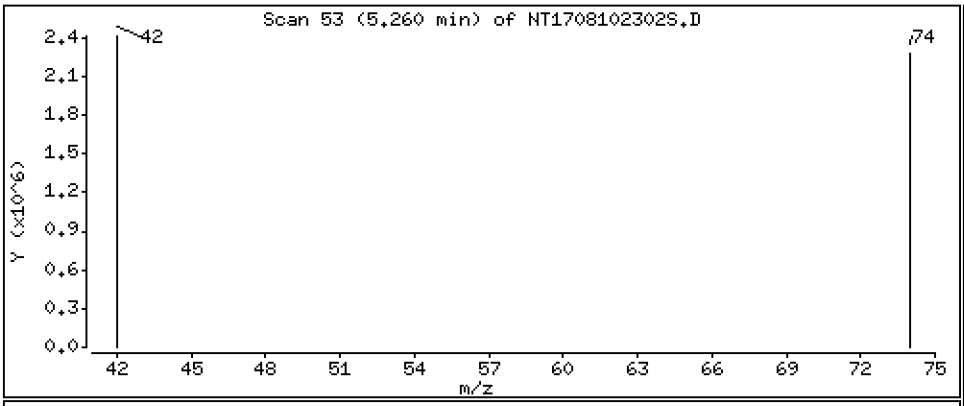
Operator: JGR

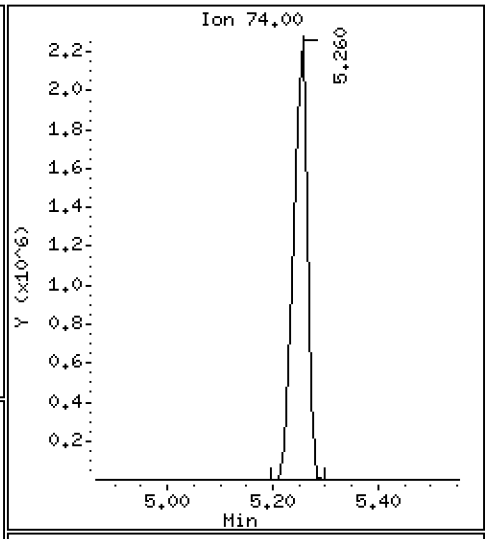
Column phase: ZB-5msi

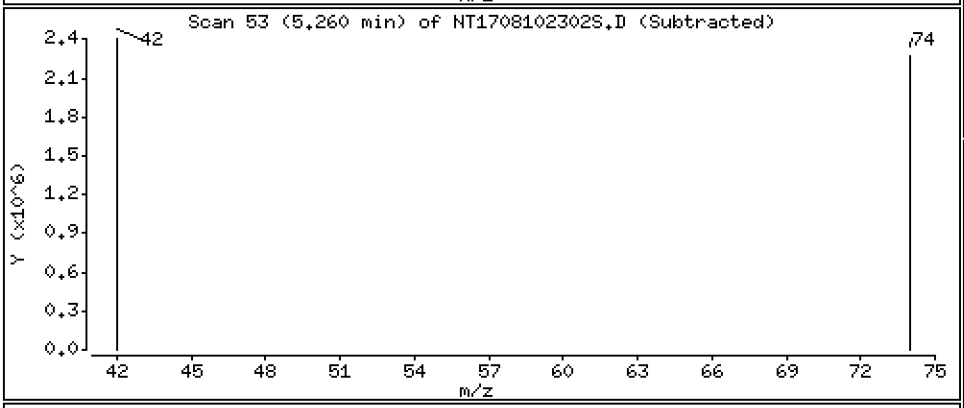
Column diameter: 0.25

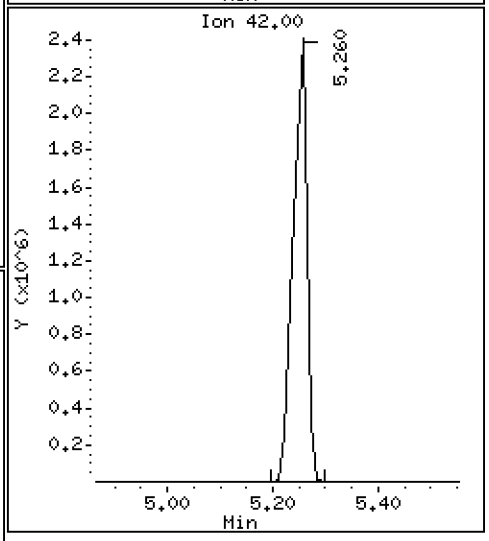
90 N-Nitrosodimethylamine

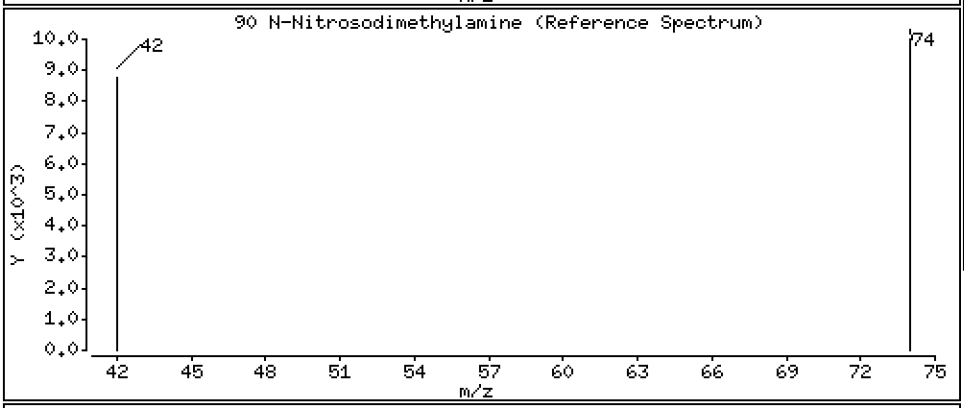
Concentration: 37.21 ug/mL

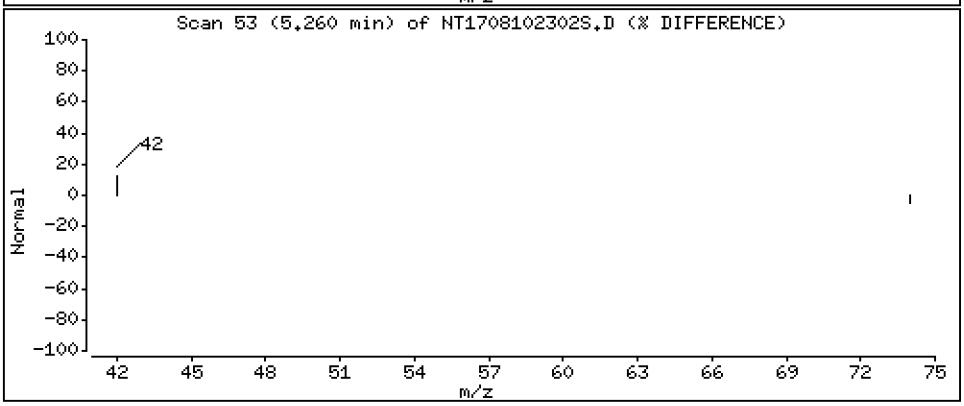












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102302S.D
Lab Smp Id: SEQ-CAL7
Inj Date : 10-AUG-2023 12:32
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-CAL7
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Meth Date : 11-Aug-2023 08:13 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

		QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	7.311	7.298	(0.765)	3625315	31.3355	31.34(R)
	3 Phenol	94	8.916	8.891	(0.933)	3605741	20.4450	20.44
	7 1,3-Dichlorobenzene	146	9.490	9.477	(0.993)	2405219	20.1619	20.16
*	8 1,4-Dichlorobenzene-d4	152	9.554	9.541	(1.000)	278630	4.00000	
	9 1,4-Dichlorobenzene	146	9.579	9.566	(1.003)	2318346	20.0808	20.08
	11 Benzyl alcohol	79	9.822	9.796	(1.028)	2835149	23.2261	23.23
	12 1,2-Dichlorobenzene	146	9.937	9.924	(1.040)	2292042	20.4663	20.47
	13 2-Methylphenol	108	10.026	10.001	(1.049)	2430205	22.7254	22.73
	15 4-Methylphenol	108	10.295	10.269	(1.078)	2588095	23.1557	23.16
	16 N-Nitroso-di-n-propylamine	70	10.397	10.346	(1.088)	2627398	22.9876	22.99
	22 2,4-Dimethylphenol	107	11.342	11.316	(0.943)	4976859	43.2764	43.28
	24 Benzoic acid	105	11.725	11.521	(0.975)	7869809	57.0091	57.01
	26 1,2,4-Trichlorobenzene	180	11.942	11.929	(0.993)	1543972	19.6495	19.65
*	27 Naphthalene-d8	136	12.031	12.018	(1.000)	1146177	4.00000	
	30 Hexachlorobutadiene	225	12.413	12.413	(1.032)	820020	22.2846	22.28
	39 Dimethylphthalate	163	15.155	15.117	(0.968)	3599968	21.1925	21.19
*	42 Acenaphthene-d10	162	15.652	15.627	(1.000)	522646	4.00000	
	50 Diethylphthalate	149	16.596	16.557	(1.060)	3930319	22.2520	22.25
	54 N-Nitrosodiphenylamine	169	16.990	16.965	(0.910)	2820235	23.5970	23.60
	57 Hexachlorobenzene	284	18.047	18.034	(0.967)	826381	21.1040	21.10
	58 Pentachlorophenol	266	18.404	18.392	(0.986)	1261542	47.4750	47.47
*	59 Phenanthrene-d10	188	18.672	18.672	(1.000)	831334	4.00000	
$	66 Terphenyl-d14	244	21.758	21.745	(0.920)	2142676	23.8244	23.82(R)
	67 Butylbenzylphthalate	149	22.651	22.639	(0.957)	3352648	19.4406	19.44
*	69 Chrysene-d12	240	23.659	23.646	(1.000)	649912	4.00000	
*	77 Perylene-d12	264	26.465	26.452	(1.000)	597549	4.00000	
	79 Dibenzo(a,h)anthracene	278	29.493	29.404	(1.114)	3810663	21.5907	21.59
	90 N-Nitrosodimethylamine	74	5.260	5.209	(0.551)	4380801	37.2128	37.21

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102302S.D
Lab Smp Id: SEQ-CAL7
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 15:01
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	319389	159695	638778	278630	-12.76
27 Naphthalene-d8	1274686	637343	2549372	1146177	-10.08
42 Acenaphthene-d10	569885	284943	1139770	522646	-8.29
59 Phenanthrene-d10	915829	457915	1831658	831334	-9.23
69 Chrysene-d12	653460	326730	1306920	649912	-0.54
77 Perylene-d12	654887	327444	1309774	597549	-8.76

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.54	9.04	10.04	9.55	0.13
27 Naphthalene-d8	12.02	11.52	12.52	12.03	0.11
42 Acenaphthene-d10	15.64	15.14	16.14	15.65	0.08
59 Phenanthrene-d10	18.67	18.17	19.17	18.67	0.00
69 Chrysene-d12	23.65	23.15	24.15	23.66	0.05
77 Perylene-d12	26.45	25.95	26.95	26.47	0.05

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

REVIEW SUMMARY FOR FILE - NT1708102302S.D

Lab ID: SEQ-CAL7
nt17.i, 20230810.b\SIM.B\SIMABN2.m,   10-AUG-2023 12:32

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.975	0.959	0.0160	Benzoic acid

RRT check based on Ccal File: SIM.B/NT1708102309S.D

On Column LOD for nt17.i, SIM.B\SIMABN2.m, PSDDA.sub = 0.0000

Exception: 1,2,4-Trichlorobenzene 0.0010

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

Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT17081023035.D

Date : 10-AUG-2023 13:09

Client ID:

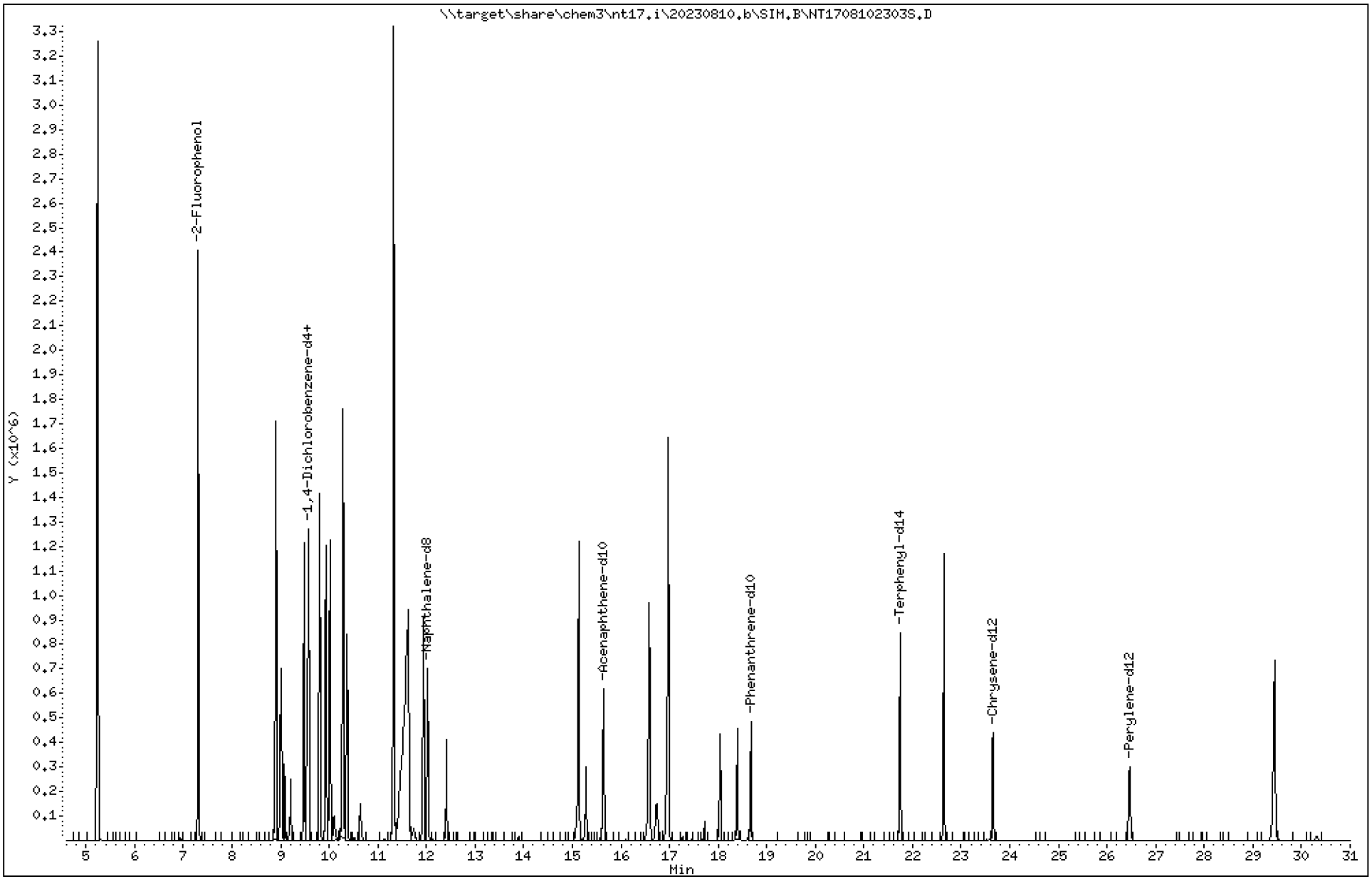
Sample Info: SEQ-CAL6

Column phase: ZB-5msi

Instrument: nt17.i

Operator: JGR

Column diameter: 0.25



ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102303S.D
Lab Smp Id: SEQ-CAL6
Inj Date : 10-AUG-2023 13:09
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-CAL6
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Meth Date : 11-Aug-2023 08:13 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 3 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1	2-Fluorophenol	112	7.311	7.298	(0.766)	1893849	15.0000	15.56
	3	Phenol	94	8.903	8.891	(0.933)	1882351	10.0000	10.15
	7	1,3-Dichlorobenzene	146	9.477	9.477	(0.993)	1217453	10.0000	9.703
*	8	1,4-Dichlorobenzene-d4	152	9.541	9.541	(1.000)	293046	4.00000	
	9	1,4-Dichlorobenzene	146	9.579	9.566	(1.004)	1186783	10.0000	9.774
	11	Benzyl alcohol	79	9.809	9.796	(1.028)	1471874	10.0000	11.46
	12	1,2-Dichlorobenzene	146	9.937	9.924	(1.042)	1159045	10.0000	9.840
	13	2-Methylphenol	108	10.013	10.001	(1.050)	1252520	10.0000	11.14
	15	4-Methylphenol	108	10.282	10.269	(1.078)	1336558	10.0000	11.37
	16	N-Nitroso-di-n-propylamine	70	10.371	10.346	(1.087)	1359463	10.0000	11.31
	22	2,4-Dimethylphenol	107	11.329	11.316	(0.942)	2542508	20.0000	21.49
	24	Benzoic acid	105	11.636	11.521	(0.967)	3965055	40.0000	39.86
	26	1,2,4-Trichlorobenzene	180	11.942	11.929	(0.993)	786741	10.0000	9.732
*	27	Naphthalene-d8	136	12.031	12.018	(1.000)	1179258	4.00000	
	30	Hexachlorobutadiene	225	12.413	12.413	(1.032)	397662	10.0000	10.50
	39	Dimethylphthalate	163	15.130	15.117	(0.967)	1809531	10.0000	10.60
*	42	Acenaphthene-d10	162	15.640	15.627	(1.000)	525393	4.00000	
	50	Diethylphthalate	149	16.583	16.557	(1.060)	1992967	10.0000	11.22
	54	N-Nitrosodiphenylamine	169	16.977	16.965	(0.909)	1294707	10.0000	10.79
	57	Hexachlorobenzene	284	18.047	18.034	(0.967)	404787	10.0000	10.29
	58	Pentachlorophenol	266	18.391	18.392	(0.985)	548910	20.0000	20.57
*	59	Phenanthrene-d10	188	18.672	18.672	(1.000)	834837	4.00000	
$	66	Terphenyl-d14	244	21.745	21.745	(0.919)	943607	10.0000	11.10
	67	Butylbenzylphthalate	149	22.651	22.639	(0.957)	1656382	10.0000	10.16
*	69	Chrysene-d12	240	23.659	23.646	(1.000)	614128	4.00000	
*	77	Perylene-d12	264	26.465	26.452	(1.000)	603700	4.00000	
	79	Dibenzo(a,h)anthracene	278	29.441	29.404	(1.112)	1802136	10.0000	10.11
	90	N-Nitrosodimethylamine	74	5.234	5.209	(0.549)	2393309	20.0000	19.33

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102303S.D
Lab Smp Id: SEQ-CAL6
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 15:01
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	319389	159695	638778	293046	-8.25
27 Naphthalene-d8	1274686	637343	2549372	1179258	-7.49
42 Acenaphthene-d10	569885	284943	1139770	525393	-7.81
59 Phenanthrene-d10	915829	457915	1831658	834837	-8.84
69 Chrysene-d12	653460	326730	1306920	614128	-6.02
77 Perylene-d12	654887	327444	1309774	603700	-7.82

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.54	9.04	10.04	9.54	-0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.03	0.11
42 Acenaphthene-d10	15.64	15.14	16.14	15.64	-0.00
59 Phenanthrene-d10	18.67	18.17	19.17	18.67	-0.00
69 Chrysene-d12	23.65	23.15	24.15	23.66	0.05
77 Perylene-d12	26.45	25.95	26.95	26.47	0.05

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

REVIEW SUMMARY FOR FILE - NT1708102303S.D

Lab ID: SEQ-CAL6
nt17.i, 20230810.b\SIM.B\SIMABN2.m,   10-AUG-2023 13:09

RT	CO-ELUTION COMPOUNDS
NO CO-ELUTIONS	

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.967	0.959	0.0085	Benzoic acid

RRT check based on Ccal File: SIM.B/NT1708102309S.D

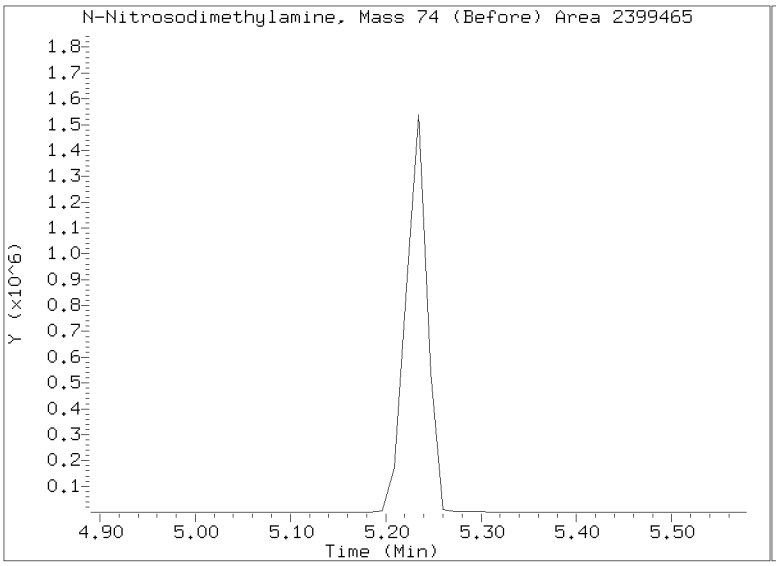
On Column LOD for nt17.i, SIM.B\SIMABN2.m, PSDDA.sub = 0.0000

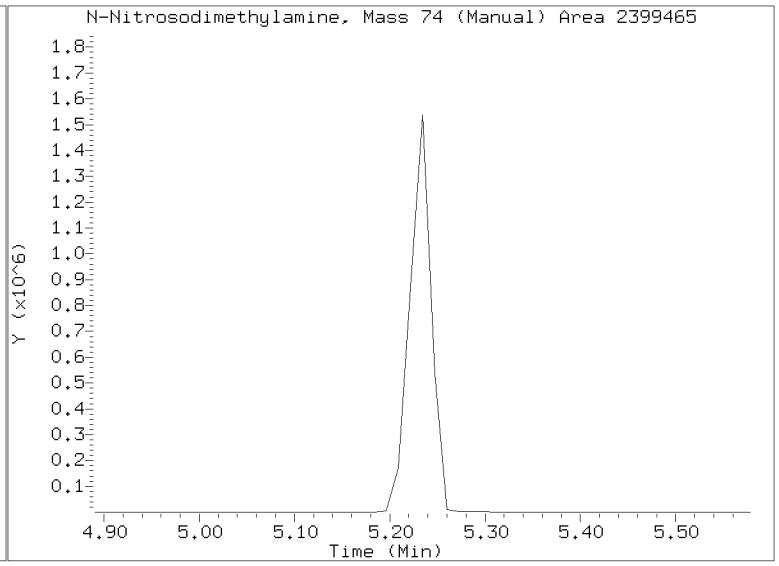
Exception: 1,2,4-Trichlorobenzene 0.0010

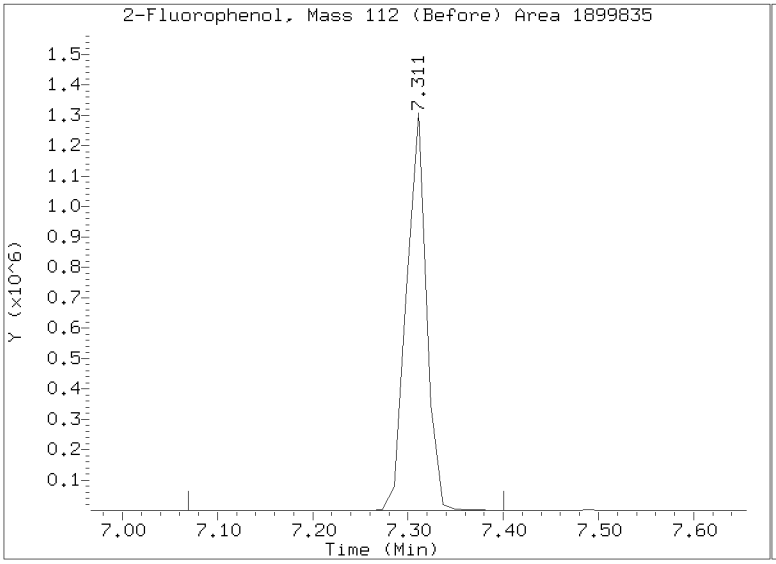
* Only compounds listed in the work order have been verified by the analyst *

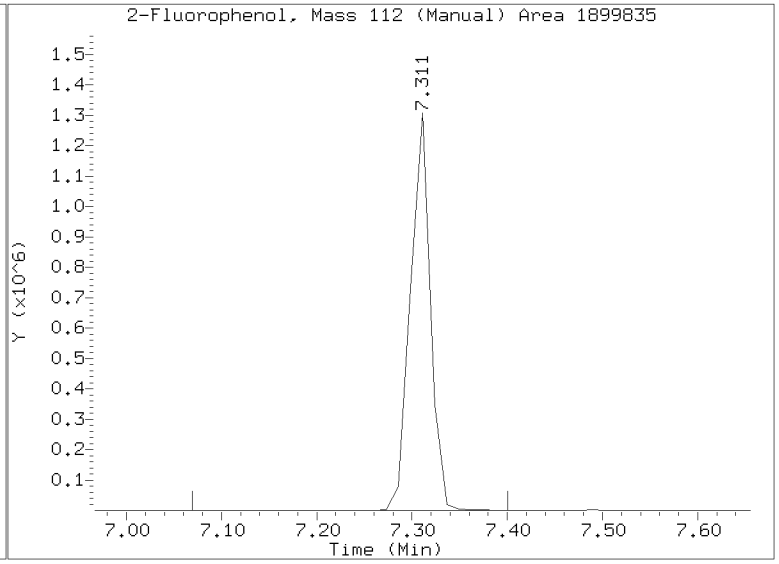
Quant Ion Manual Peak Adjustment Report

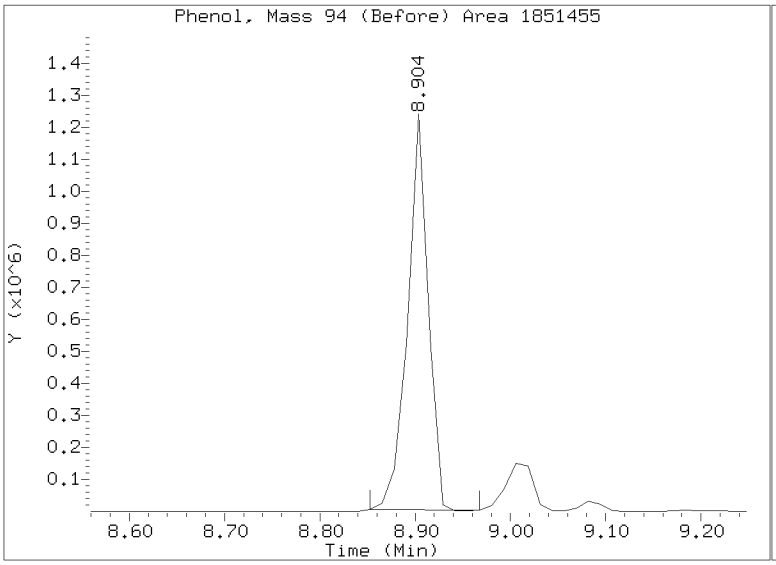
Datafile: //target/share/chem3/nt17.i/20230810.b/SIM.B/NT1708102303S.D
Injection Date: 10-AUG-2023 13:09
Lab ID: Client ID:
Report Date: 08/11/2023 07:04

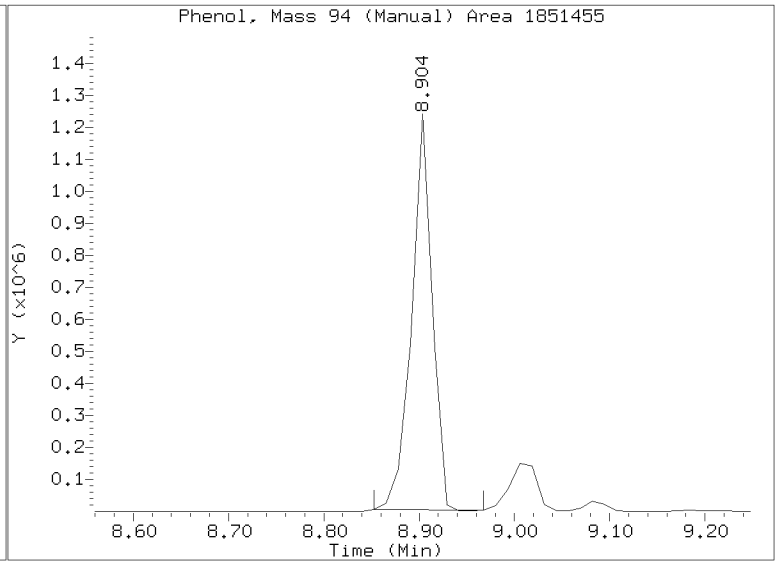






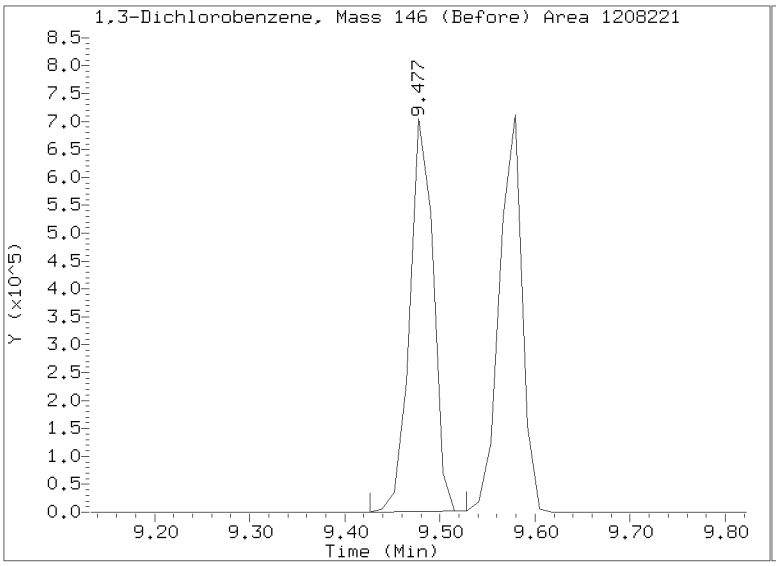


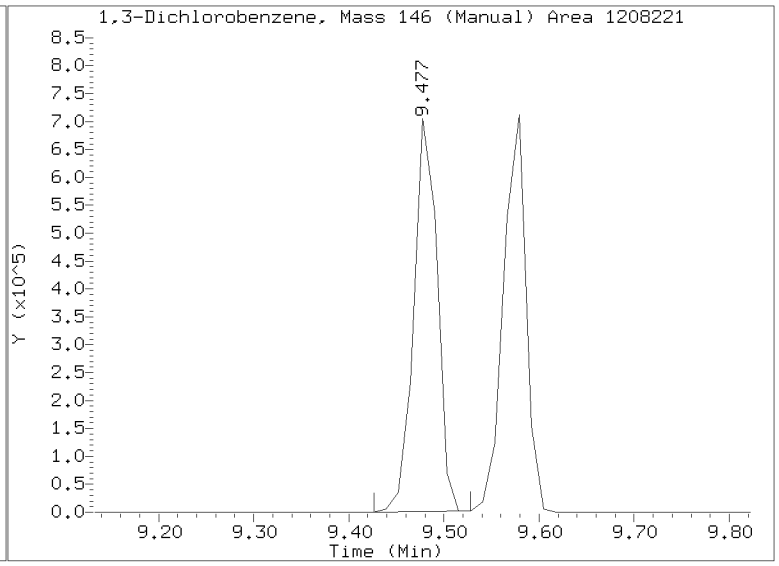


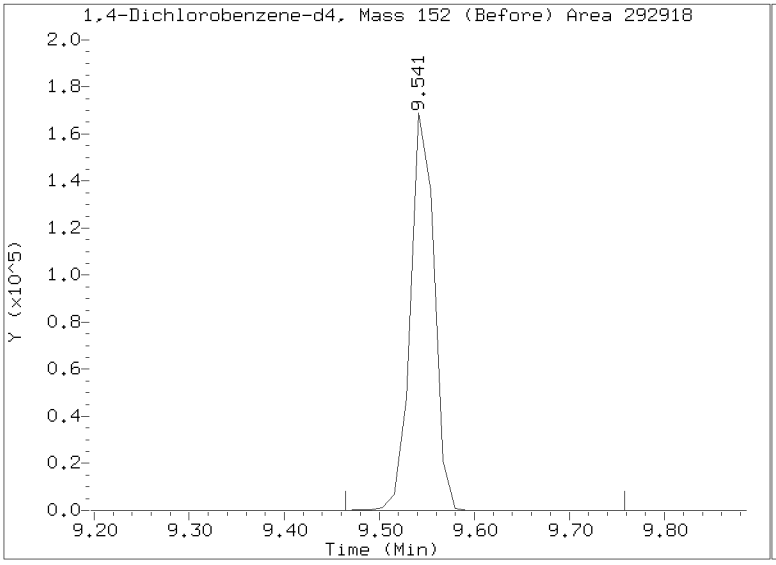


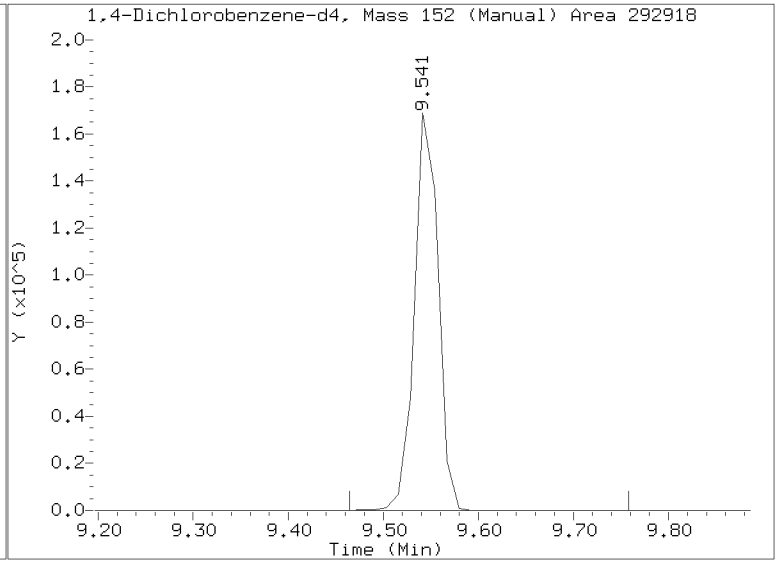
Quant Ion Manual Peak Adjustment Report

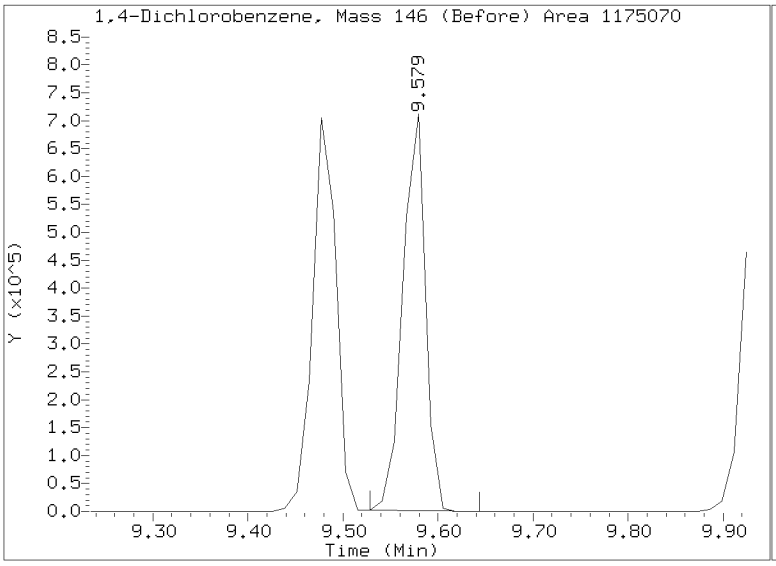
Datafile: //target/share/chem3/nt17.i/20230810.b/SIM.B/NT1708102303S.D
Injection Date: 10-AUG-2023 13:09
Lab ID: Client ID:
Report Date: 08/11/2023 07:04

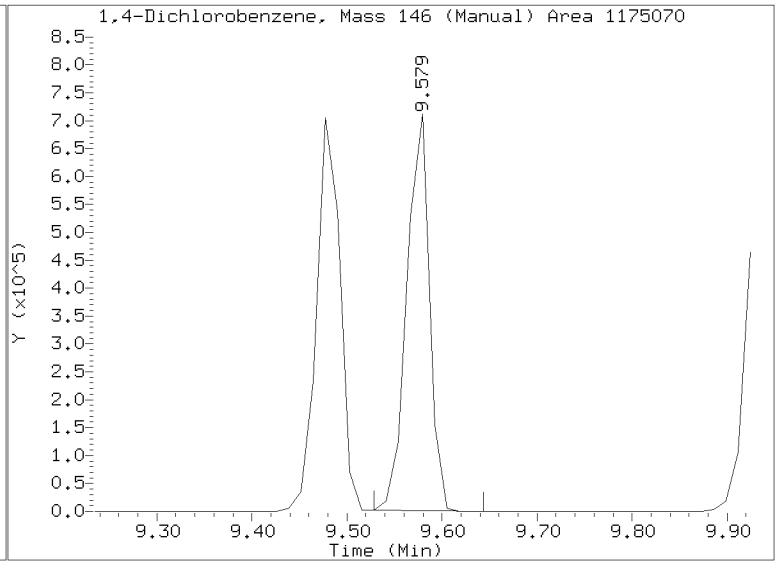






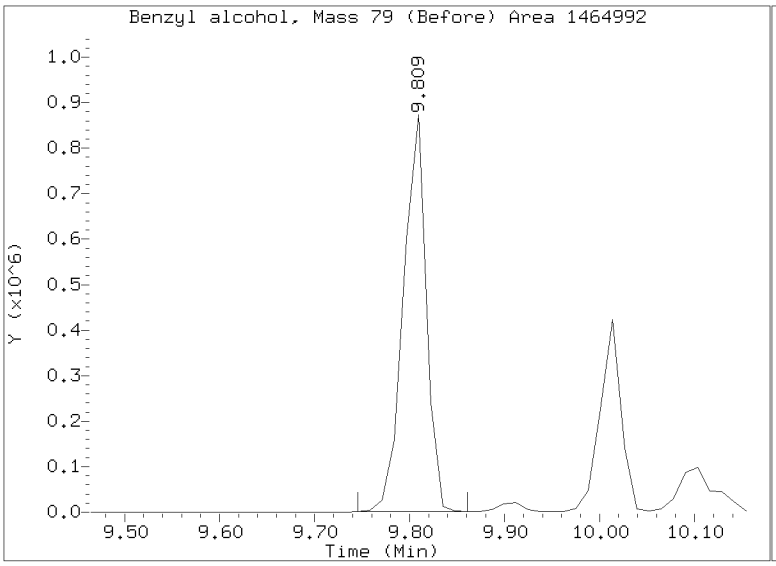


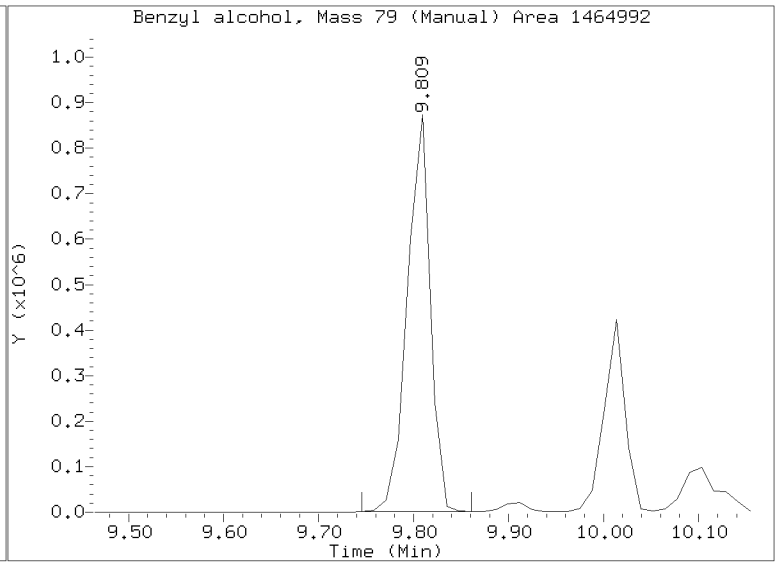


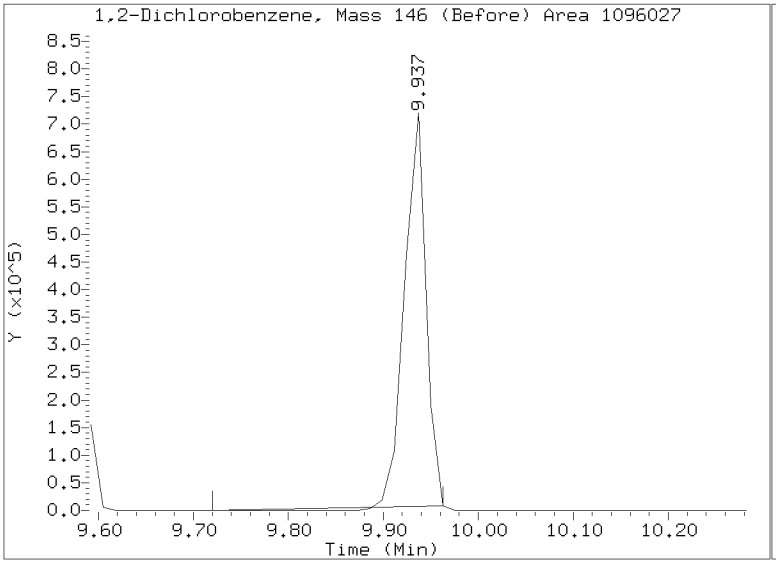


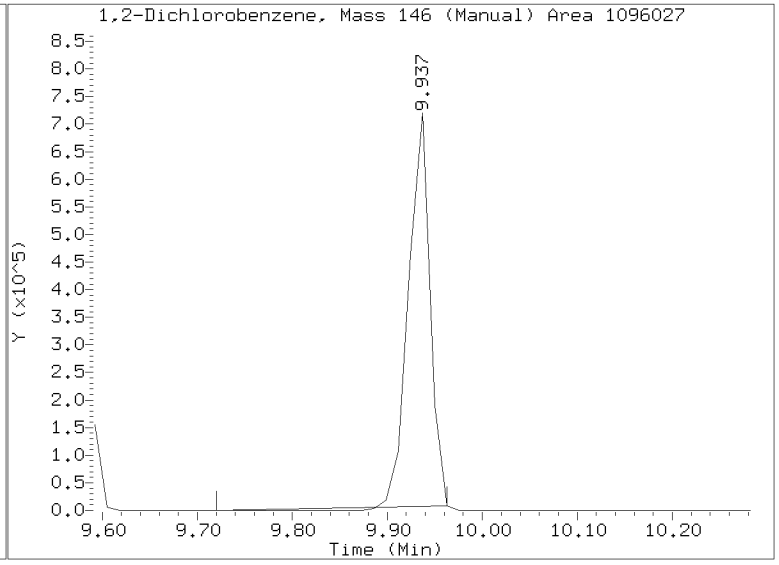
Quant Ion Manual Peak Adjustment Report

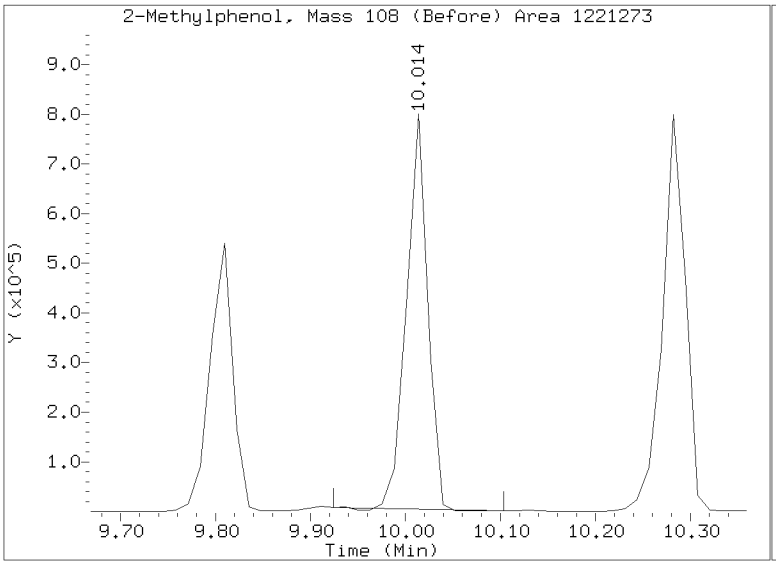
Datafile: //target/share/chem3/nt17.i/20230810.b/SIM.B/NT1708102303S.D
Injection Date: 10-AUG-2023 13:09
Lab ID: Client ID:
Report Date: 08/11/2023 07:04

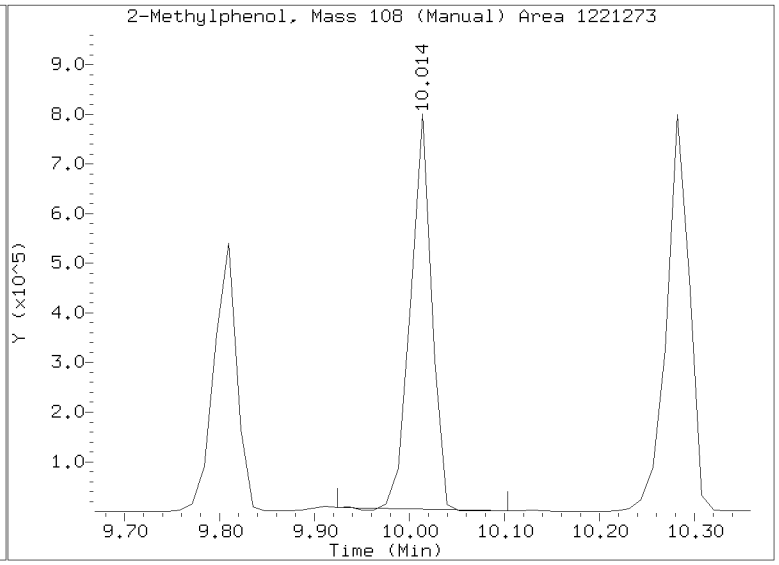






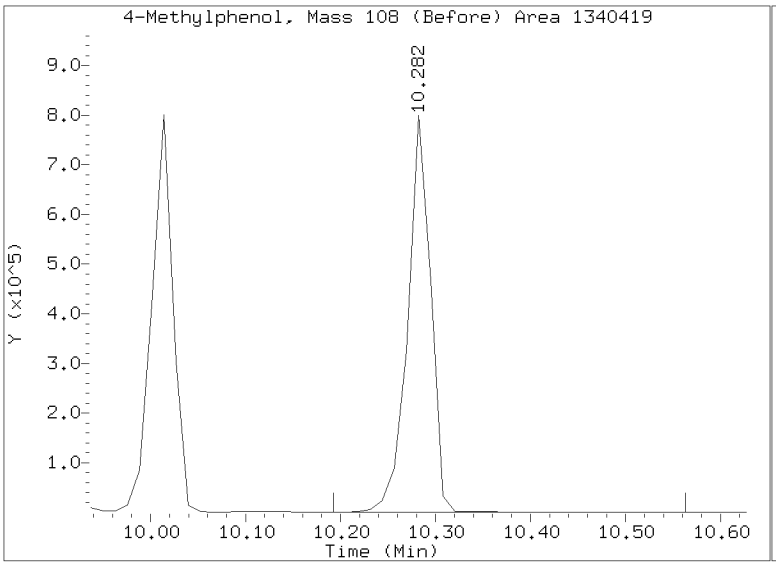


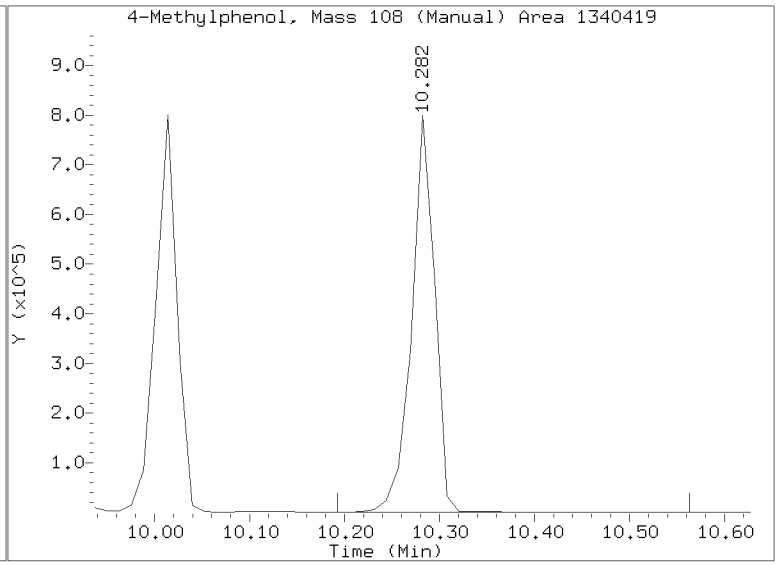


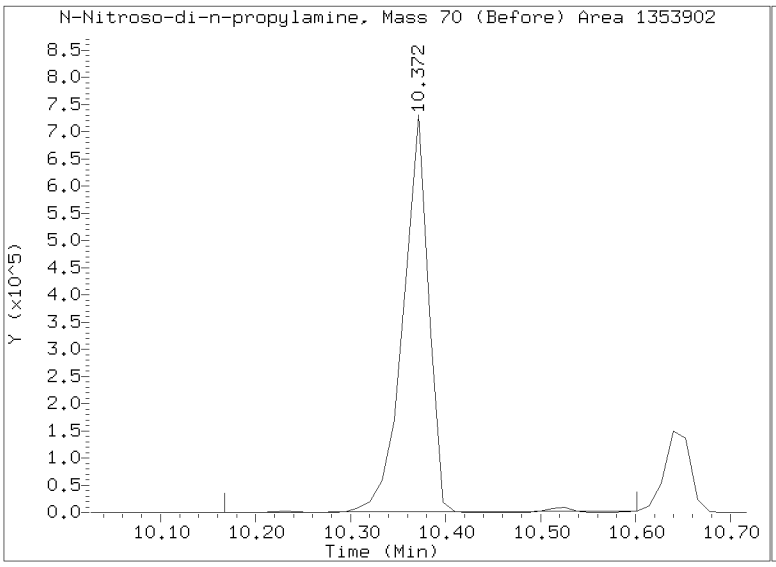


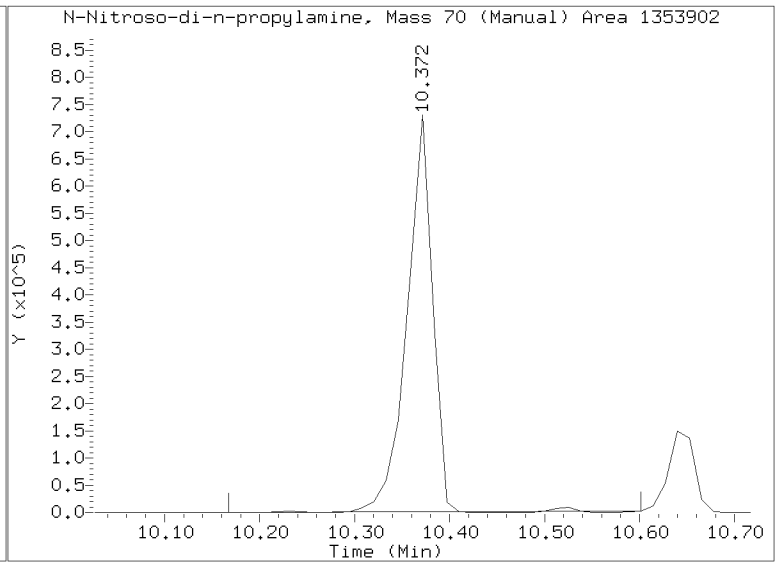
Quant Ion Manual Peak Adjustment Report

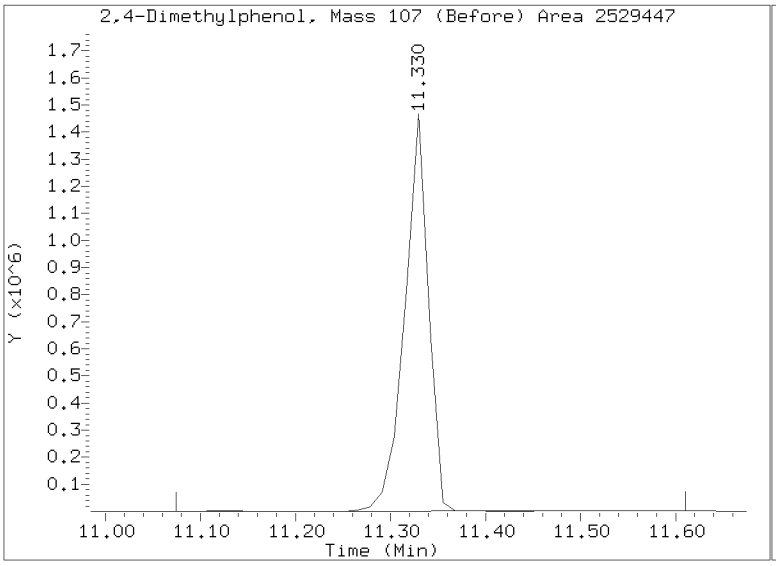
Datafile: //target/share/chem3/nt17.i/20230810.b/SIM.B/NT1708102303S.D
Injection Date: 10-AUG-2023 13:09
Lab ID: Client ID:
Report Date: 08/11/2023 07:04

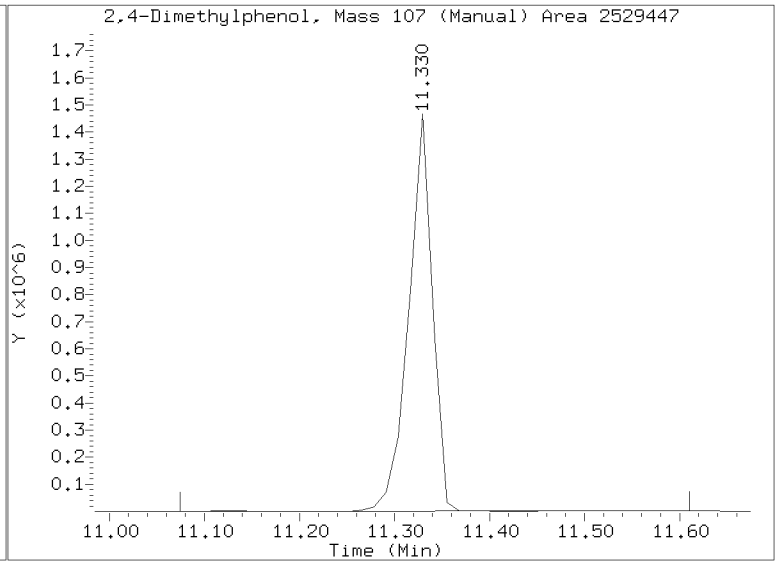






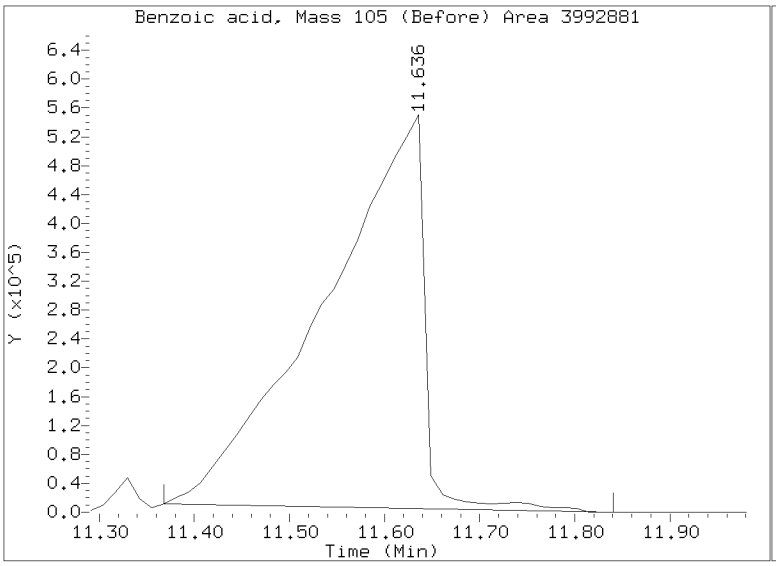


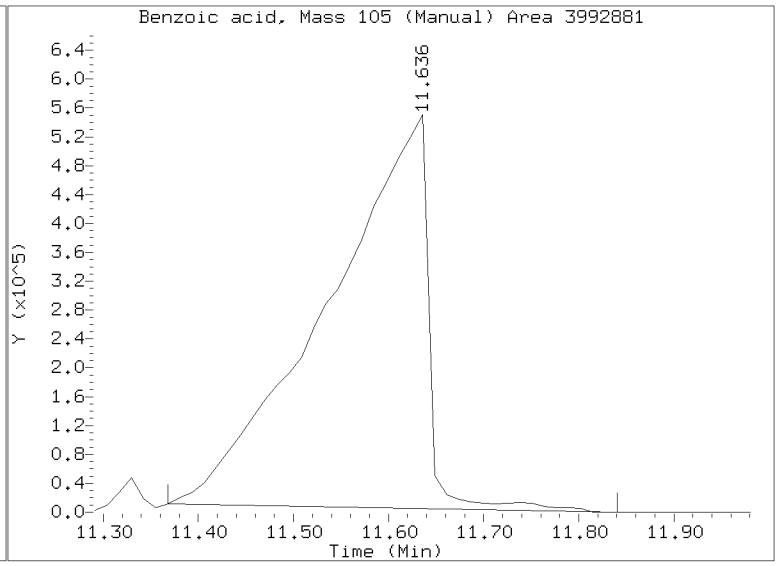


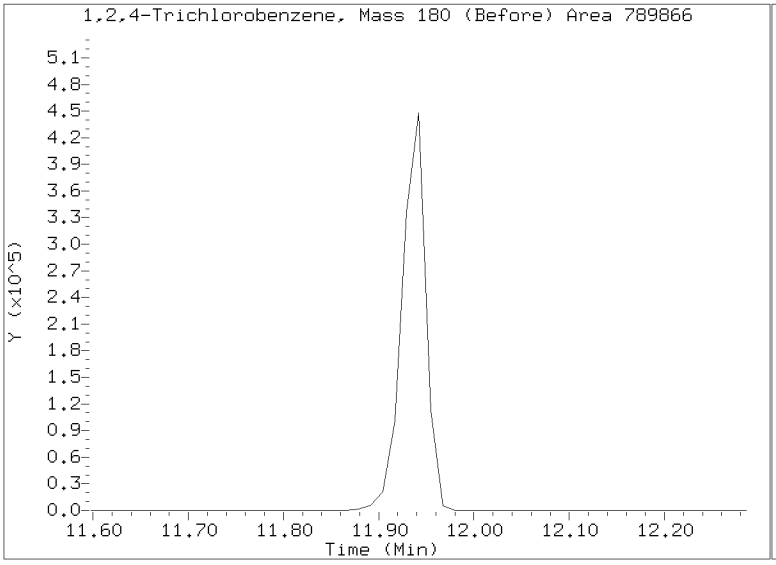


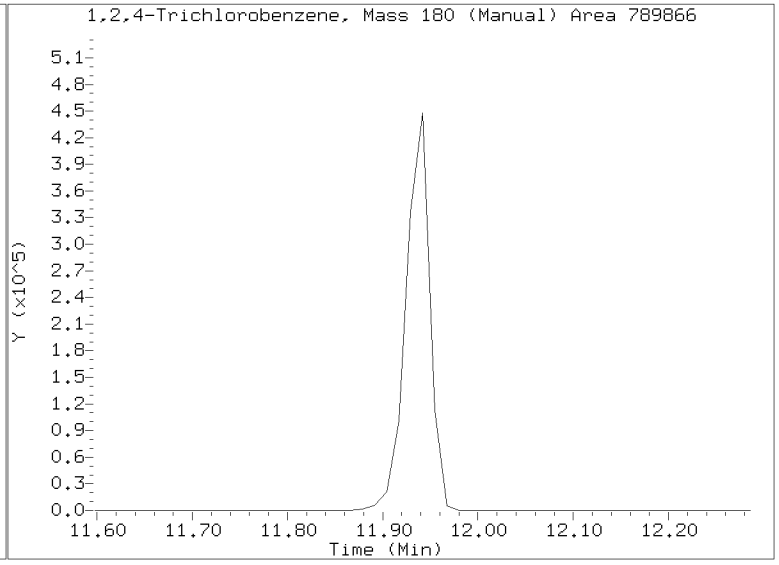
Quant Ion Manual Peak Adjustment Report

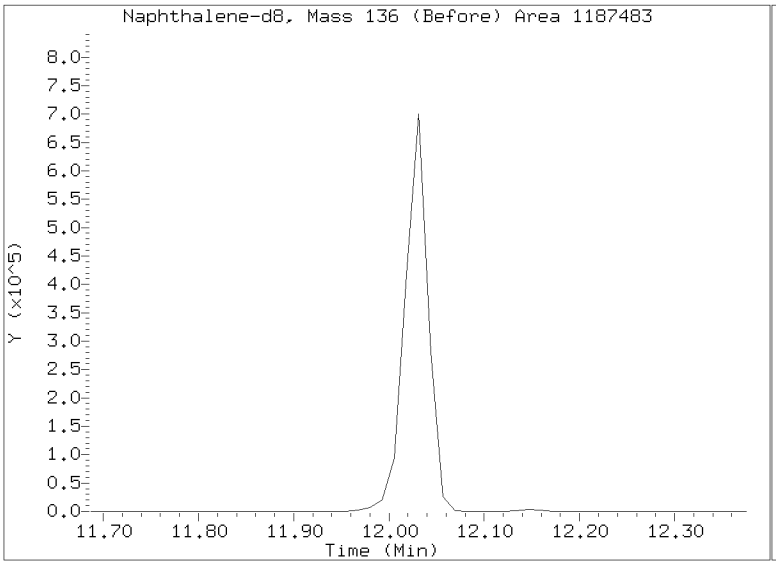
Datafile: //target/share/chem3/nt17.i/20230810.b/SIM.B/NT1708102303S.D
Injection Date: 10-AUG-2023 13:09
Lab ID: Client ID:
Report Date: 08/11/2023 07:04

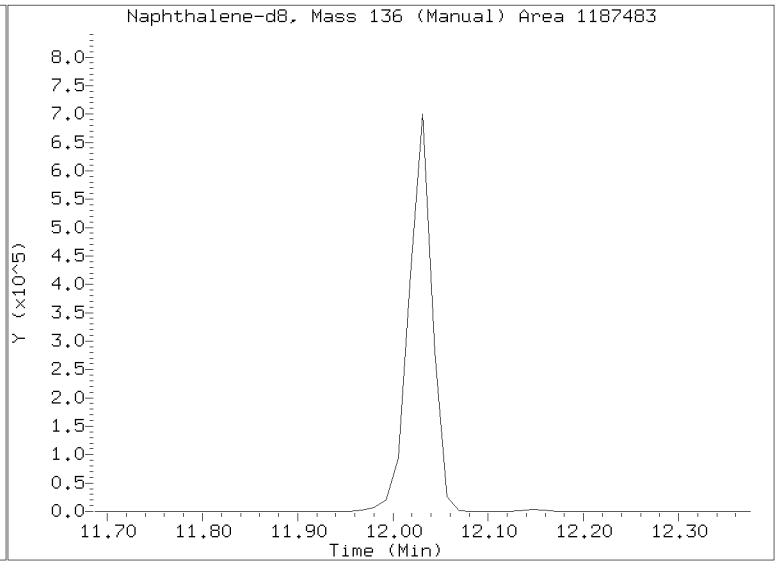






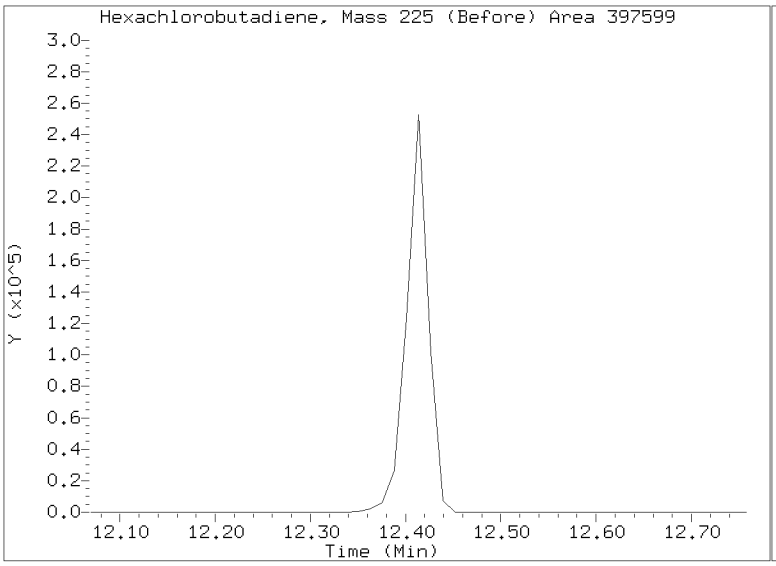


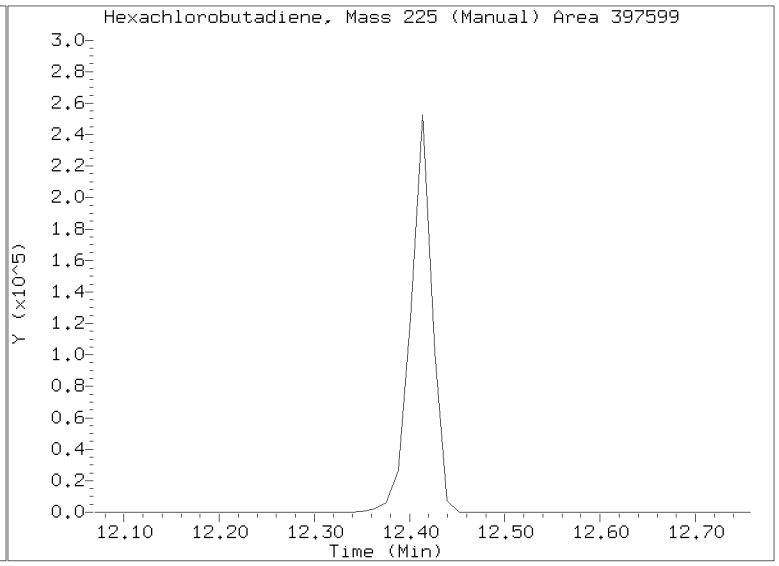


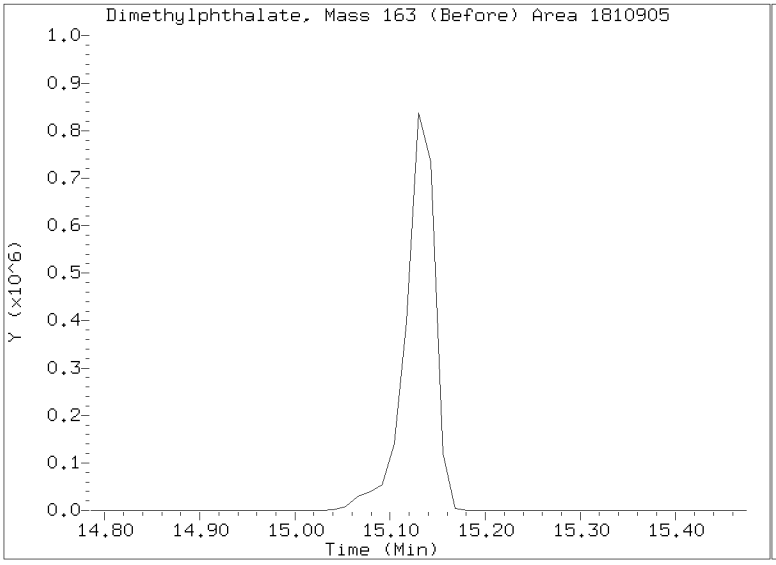


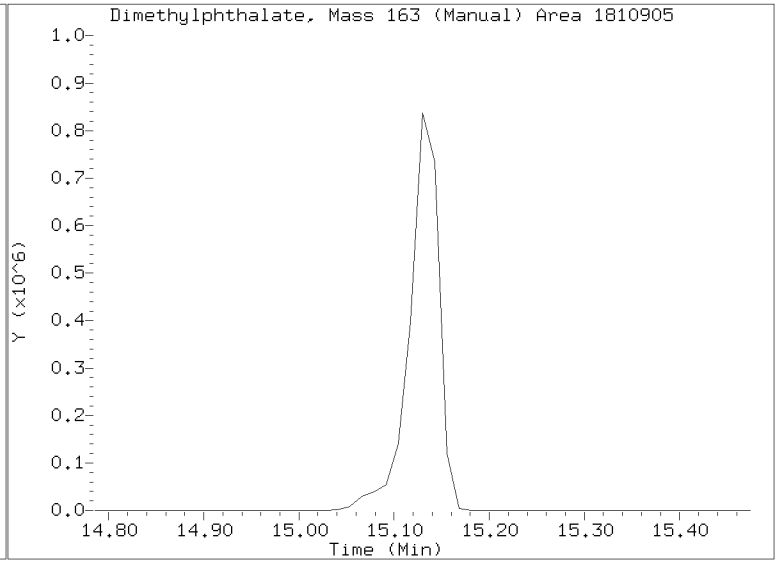
Quant Ion Manual Peak Adjustment Report

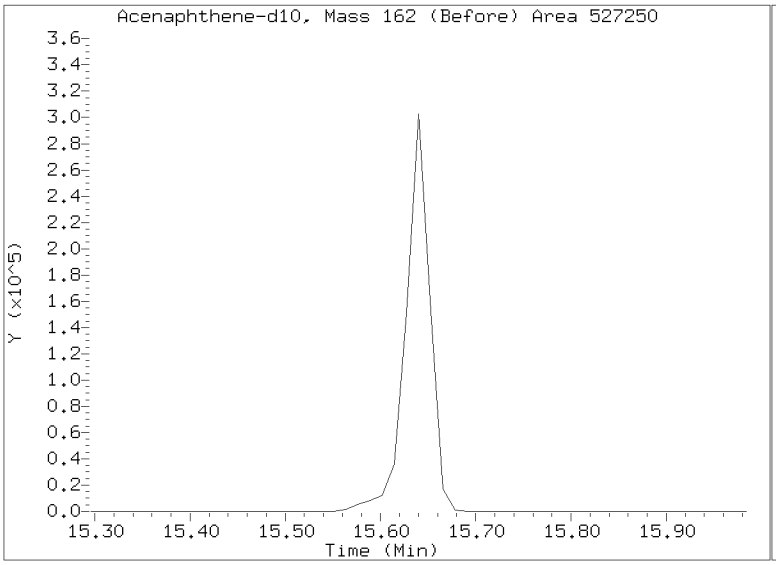
Datafile: //target/share/chem3/nt17.i/20230810.b/SIM.B/NT1708102303S.D
Injection Date: 10-AUG-2023 13:09
Lab ID: Client ID:
Report Date: 08/11/2023 07:04

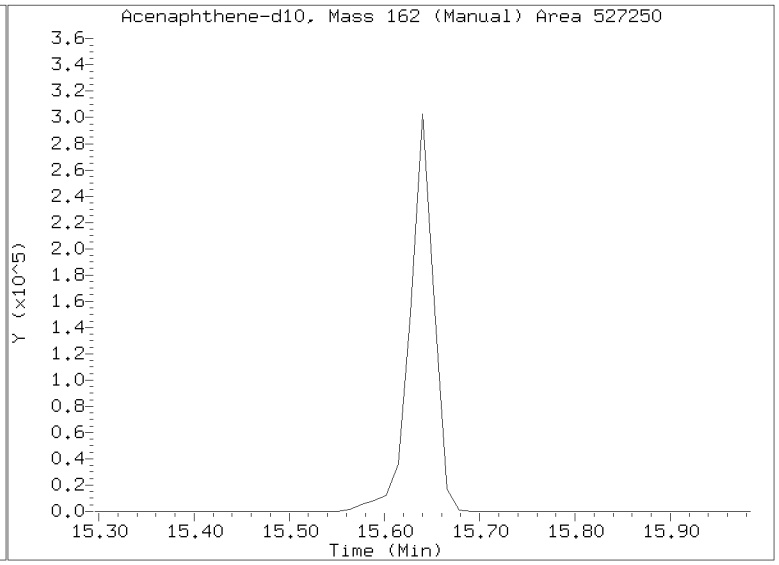






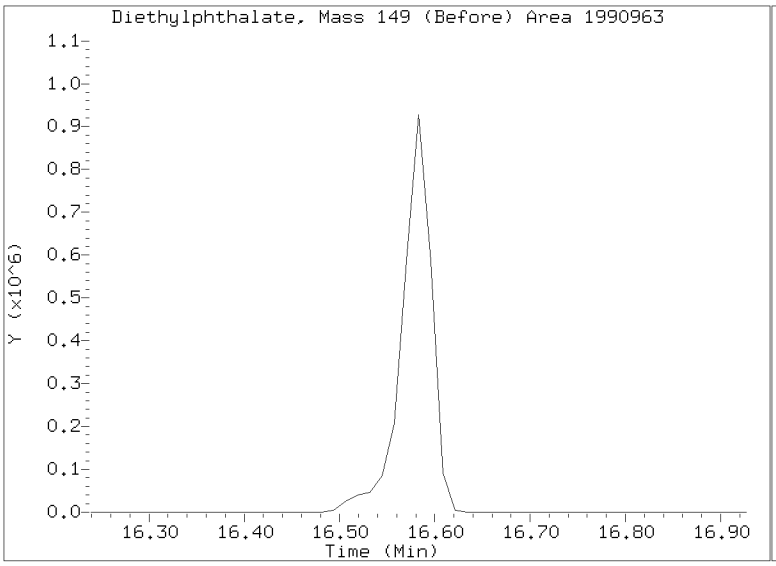


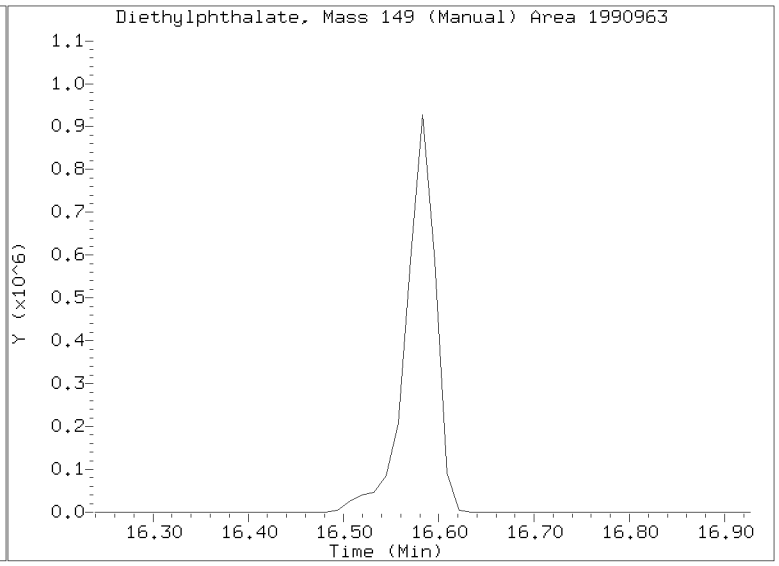


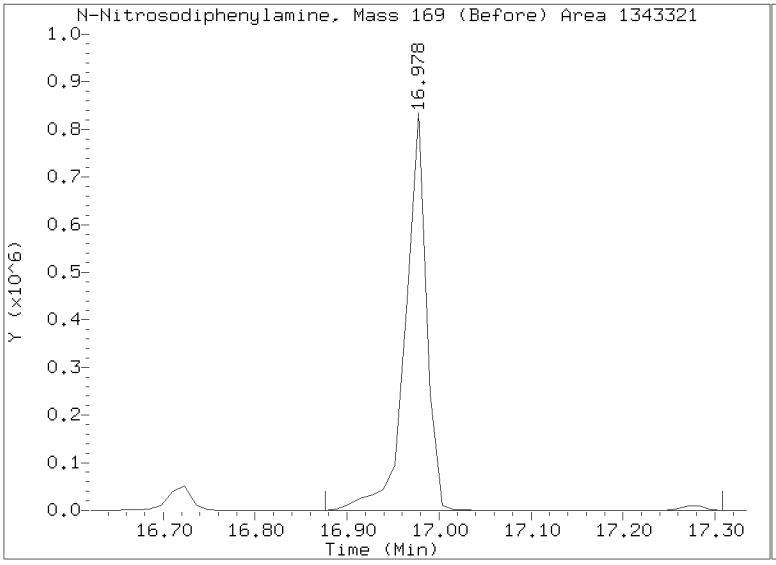


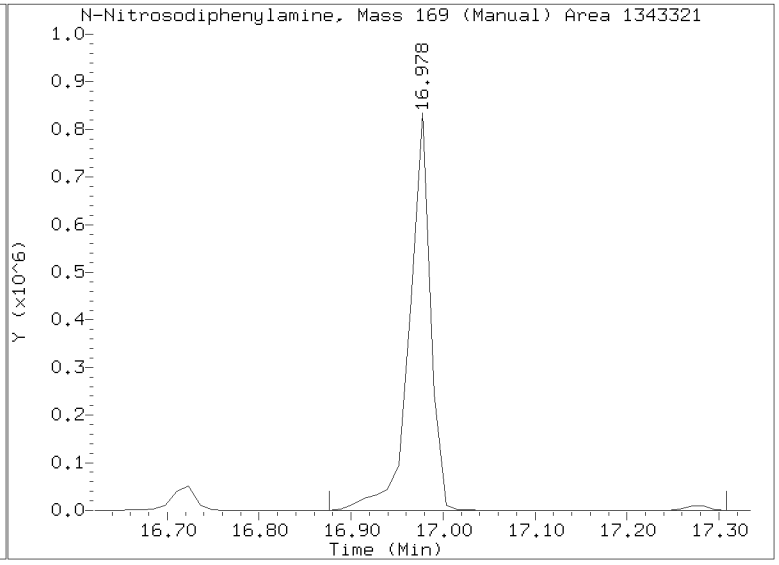
Quant Ion Manual Peak Adjustment Report

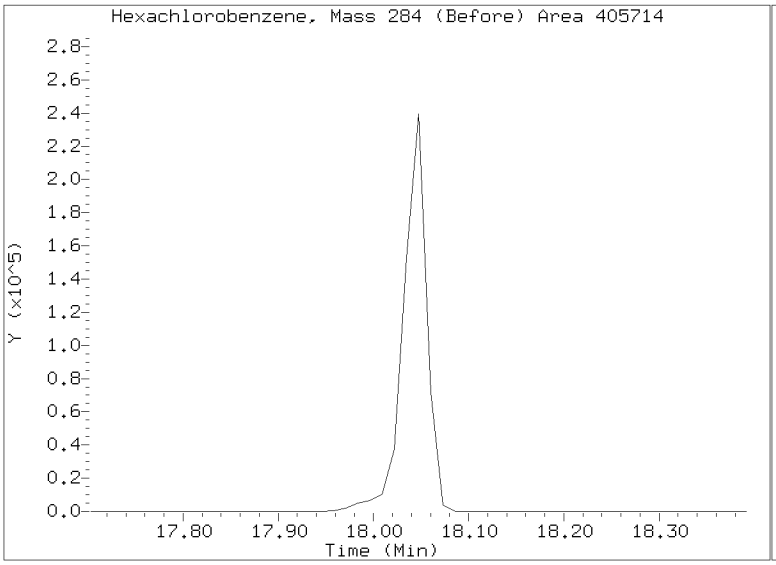
Datafile: //target/share/chem3/nt17.i/20230810.b/SIM.B/NT1708102303S.D
Injection Date: 10-AUG-2023 13:09
Lab ID: Client ID:
Report Date: 08/11/2023 07:04

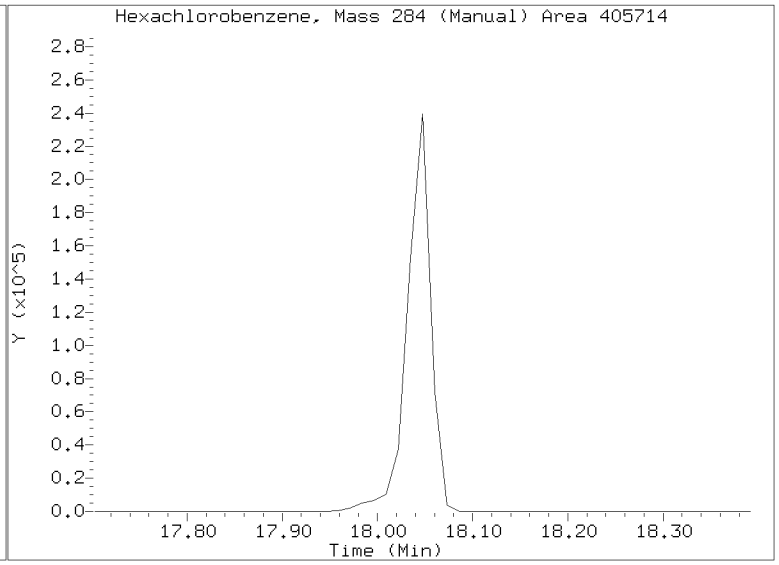












Quant Ion Manual Peak Adjustment Report

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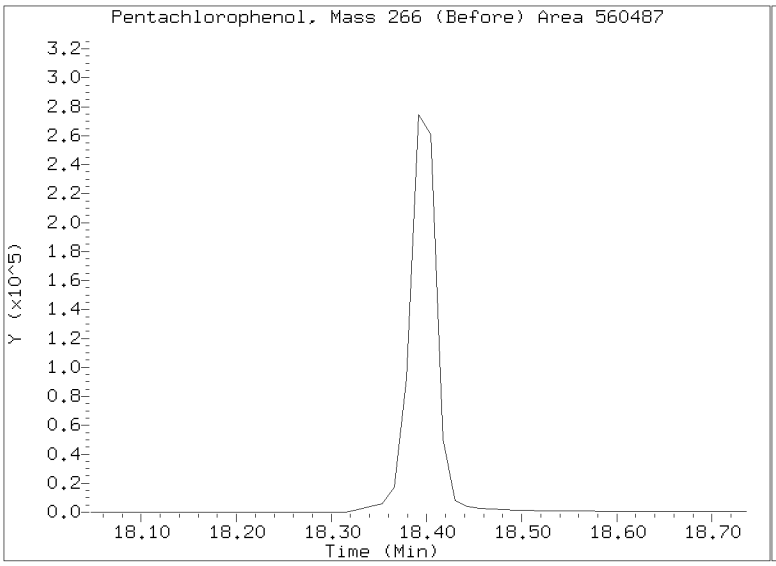
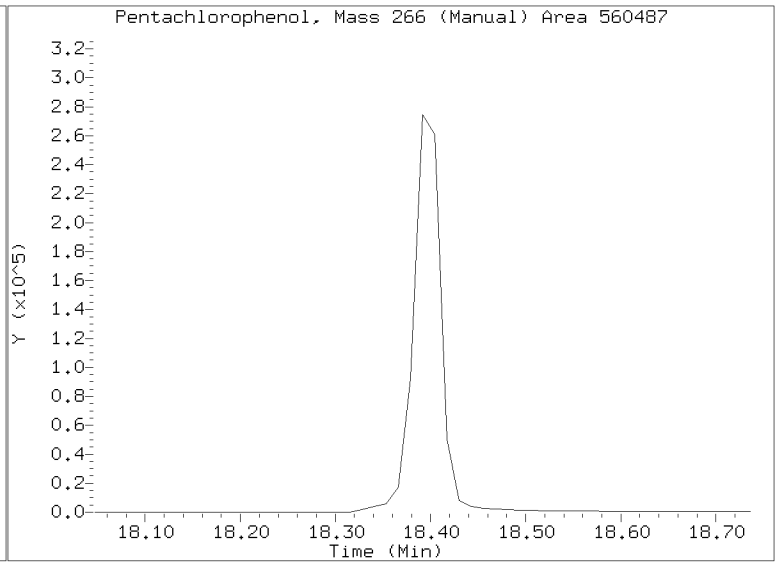
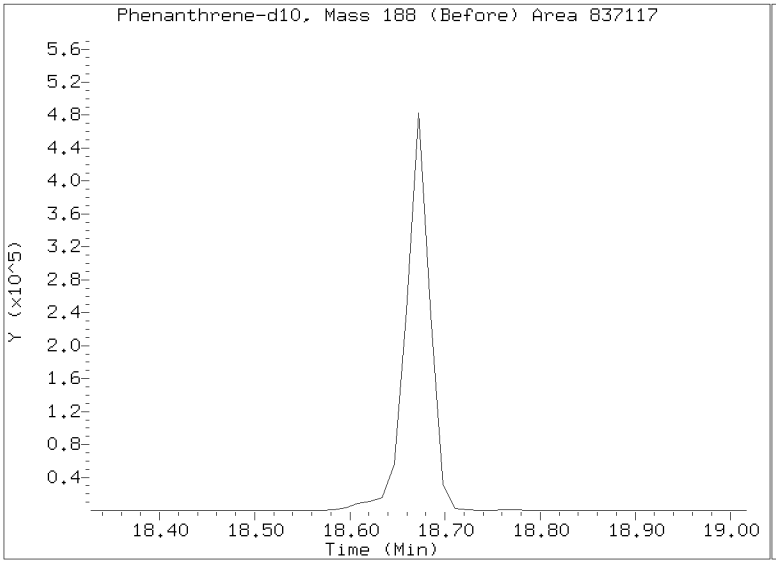
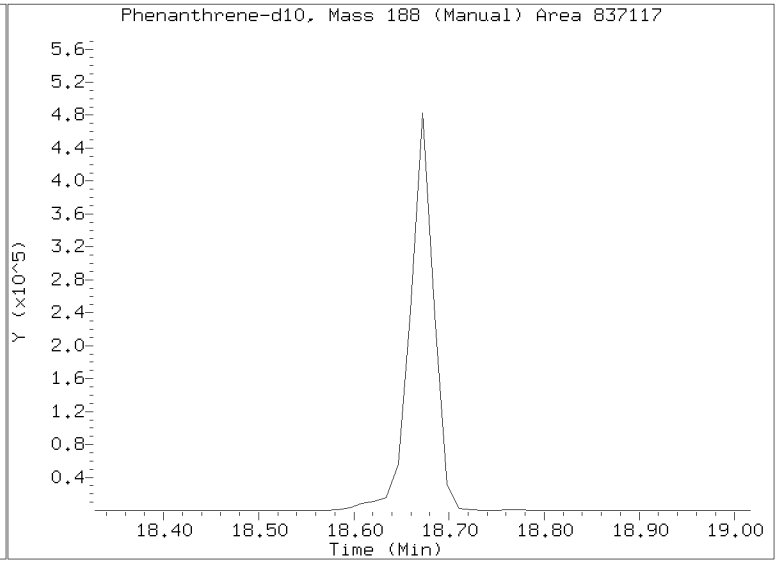
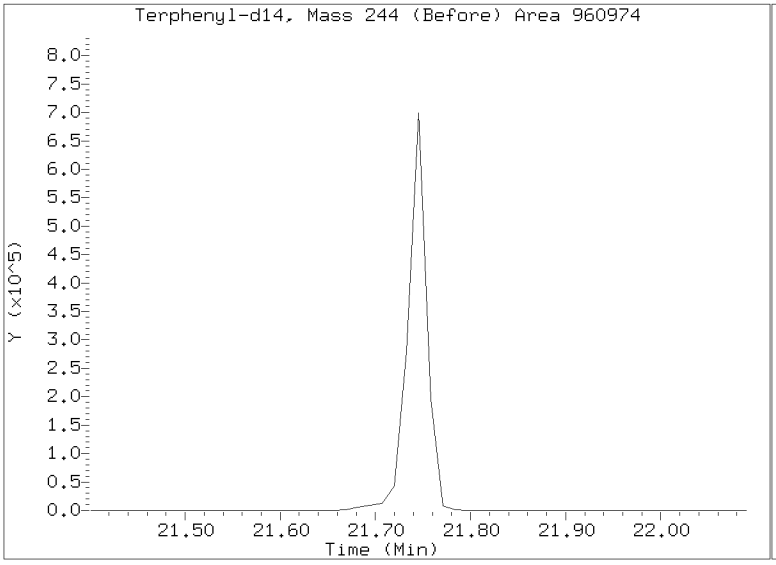
Lab ID: Client ID:
Report Date: 08/11/2023 07:04

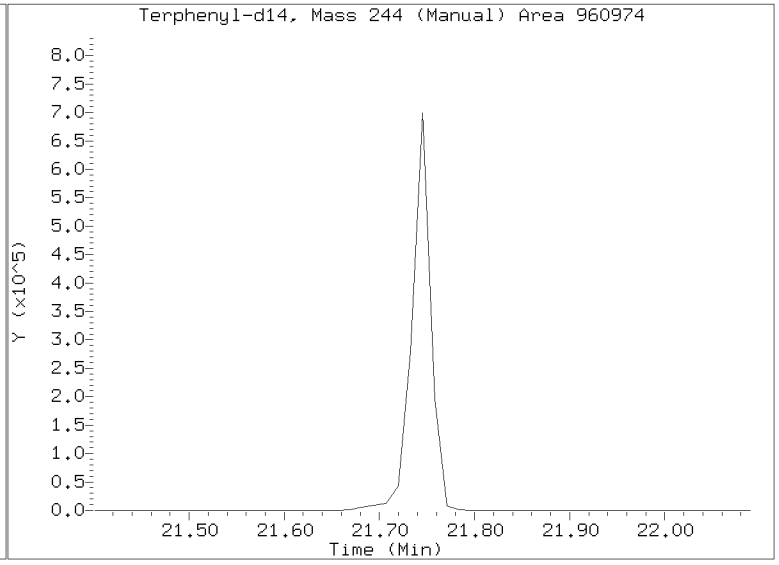












Quant Ion Manual Peak Adjustment Report

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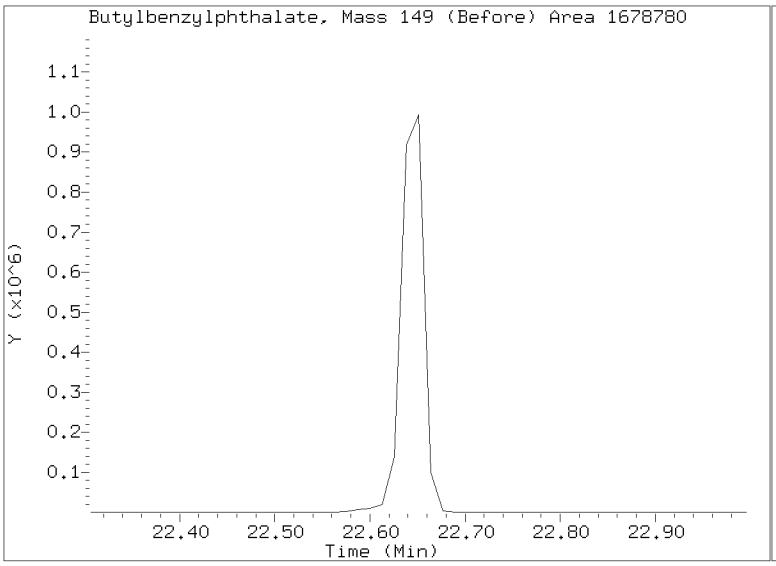
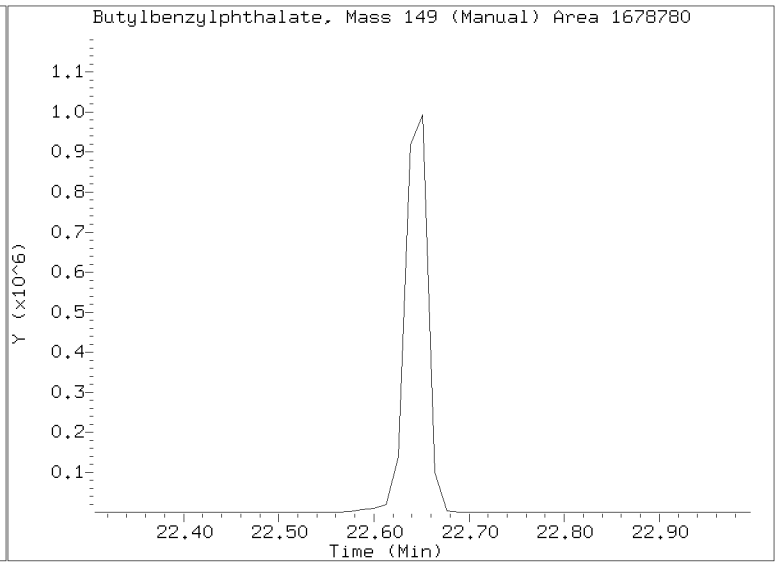
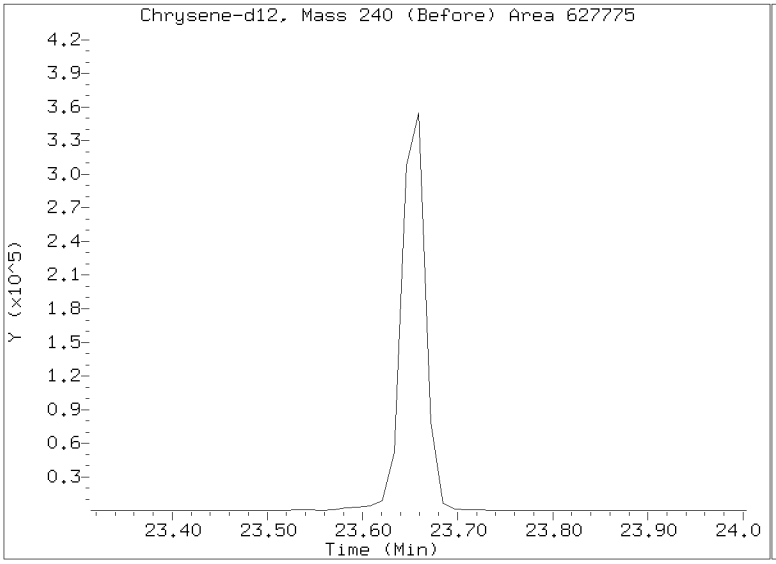
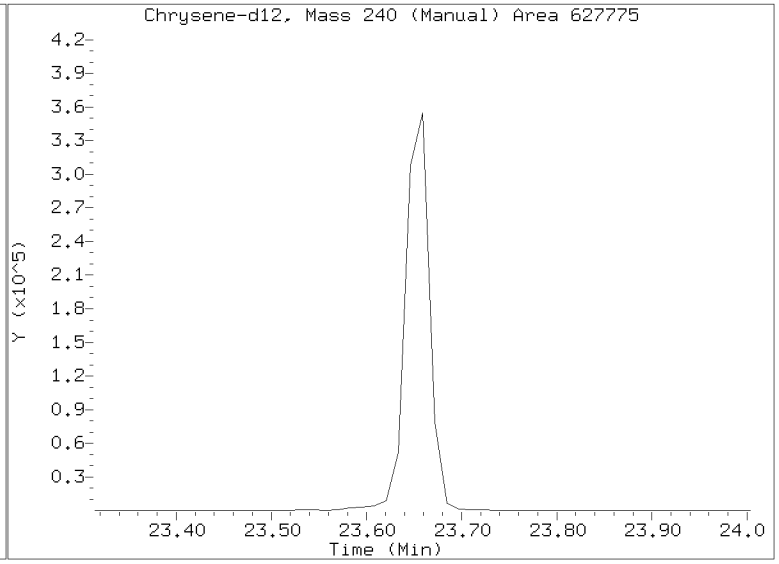
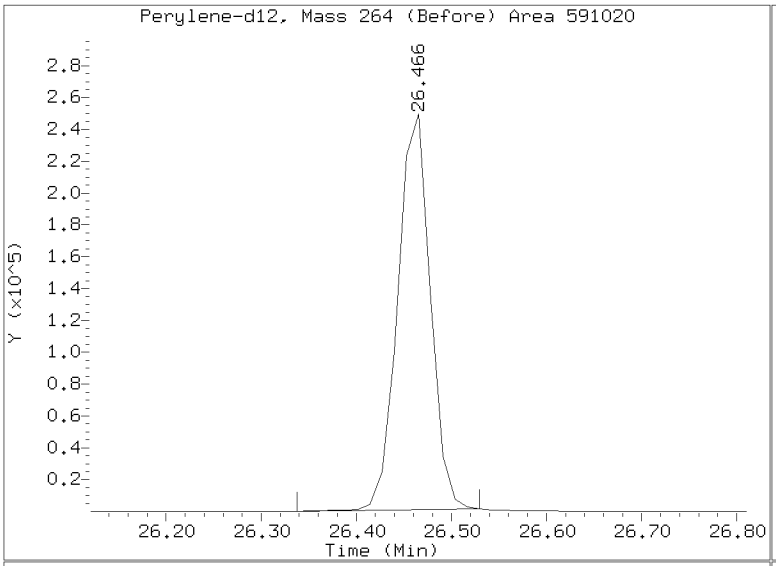
Injection Date: 10-AUG-2023 13:09
Lab ID: Client ID:
Report Date: 08/11/2023 07:04

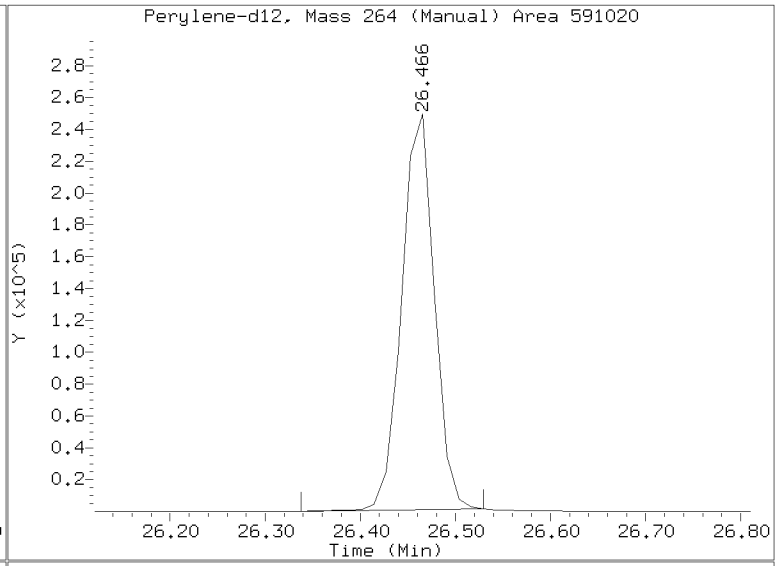


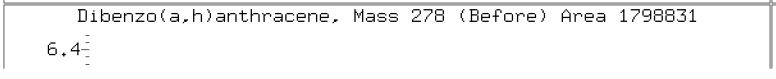


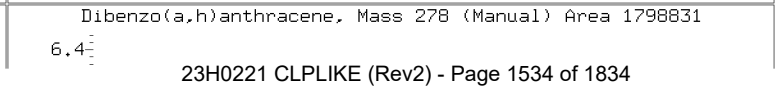












Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102304S.D

Date : 10-AUG-2023 13:47

Client ID:

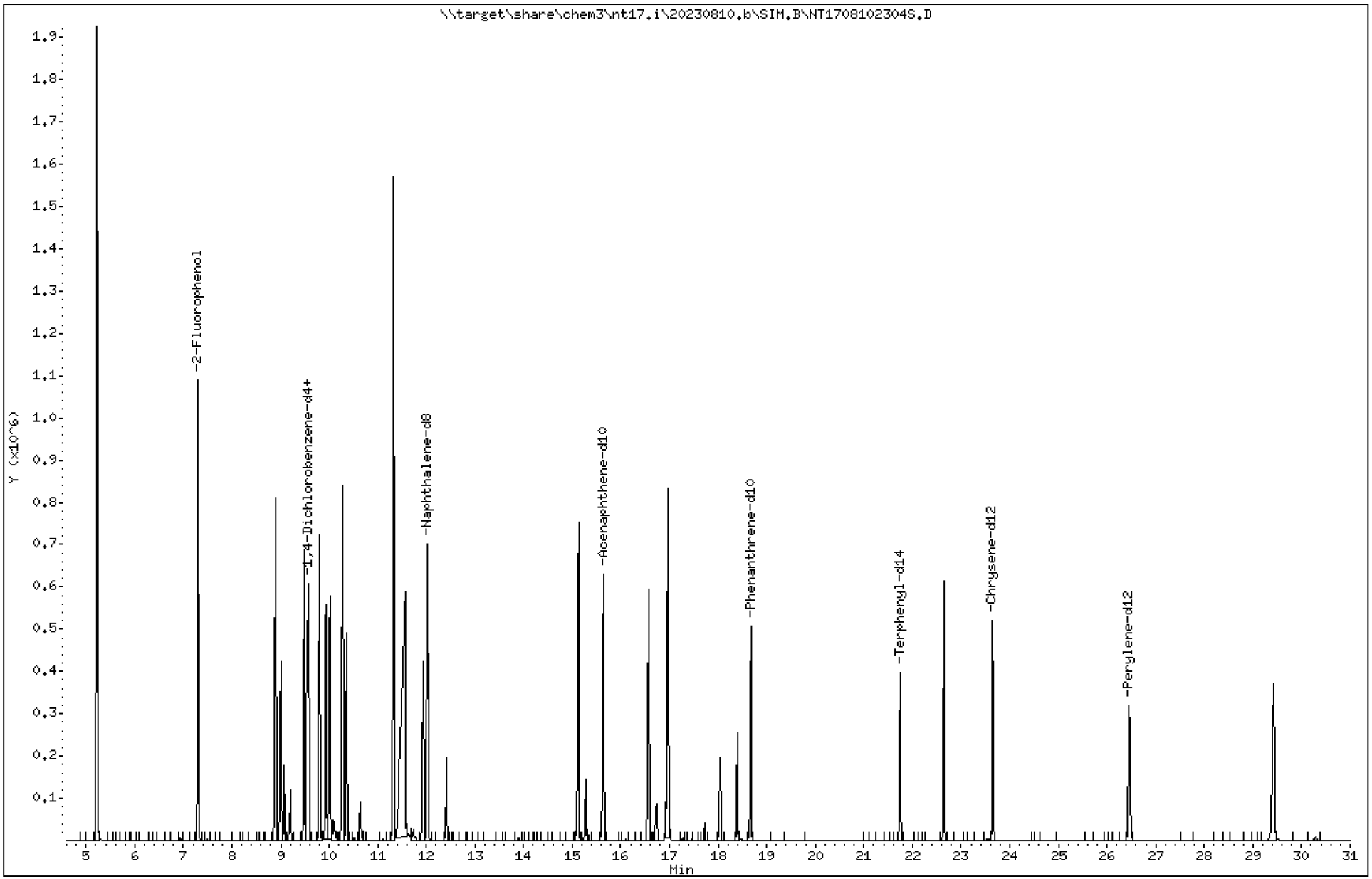
Sample Info: SEQ-CAL5

Column phase: ZB-5msi

Instrument: nt17.i

Operator: JGR

Column diameter: 0.25



ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102304S.D
Lab Smp Id: SEQ-CAL5
Inj Date : 10-AUG-2023 13:47
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-CAL5
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Meth Date : 11-Aug-2023 08:13 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 4 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	7.311	7.298	(0.766)	996023	7.50000	7.833
	3 Phenol	94	8.891	8.891	(0.932)	994667	5.00000	5.132
	7 1,3-Dichlorobenzene	146	9.477	9.477	(0.993)	636993	5.00000	4.858
*	8 1,4-Dichlorobenzene-d4	152	9.541	9.541	(1.000)	306231	4.00000	
	9 1,4-Dichlorobenzene	146	9.566	9.566	(1.003)	624538	5.00000	4.922
	11 Benzyl alcohol	79	9.796	9.796	(1.027)	750260	5.00000	5.592
	12 1,2-Dichlorobenzene	146	9.937	9.924	(1.042)	611148	5.00000	4.965
	13 2-Methylphenol	108	10.014	10.001	(1.050)	650956	5.00000	5.539
	15 4-Methylphenol	108	10.282	10.269	(1.078)	697394	5.00000	5.677
	16 N-Nitroso-di-n-propylamine	70	10.359	10.346	(1.086)	693787	5.00000	5.523
	22 2,4-Dimethylphenol	107	11.329	11.316	(0.942)	1326171	10.0000	10.76
	24 Benzoic acid	105	11.559	11.521	(0.961)	1865065	20.0000	20.84
	26 1,2,4-Trichlorobenzene	180	11.929	11.929	(0.992)	413973	5.00000	4.917
*	27 Naphthalene-d8	136	12.031	12.018	(1.000)	1228156	4.00000	
	30 Hexachlorobutadiene	225	12.413	12.413	(1.032)	200132	5.00000	5.076
	39 Dimethylphthalate	163	15.130	15.117	(0.967)	966654	5.00000	5.490
*	42 Acenaphthene-d10	162	15.640	15.627	(1.000)	541749	4.00000	
	50 Diethylphthalate	149	16.570	16.557	(1.059)	1041416	5.00000	5.688
	54 N-Nitrosodiphenylamine	169	16.965	16.965	(0.909)	657939	5.00000	5.246
	57 Hexachlorobenzene	284	18.047	18.034	(0.967)	207782	5.00000	5.057
	58 Pentachlorophenol	266	18.391	18.392	(0.985)	259110	10.0000	9.292
*	59 Phenanthrene-d10	188	18.672	18.672	(1.000)	872352	4.00000	
$	66 Terphenyl-d14	244	21.745	21.745	(0.920)	478133	5.00000	5.428
	67 Butylbenzylphthalate	149	22.638	22.639	(0.957)	820420	5.00000	4.857
*	69 Chrysene-d12	240	23.646	23.646	(1.000)	636591	4.00000	
*	77 Perylene-d12	264	26.452	26.452	(1.000)	626672	4.00000	
	79 Dibenzo(a,h)anthracene	278	29.416	29.404	(1.112)	905428	5.00000	4.892
	90 N-Nitrosodimethylamine	74	5.221	5.209	(0.547)	1294495	10.0000	10.01

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102304S.D
Lab Smp Id: SEQ-CAL5
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 15:01
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	319389	159695	638778	306231	-4.12
27 Naphthalene-d8	1274686	637343	2549372	1228156	-3.65
42 Acenaphthene-d10	569885	284943	1139770	541749	-4.94
59 Phenanthrene-d10	915829	457915	1831658	872352	-4.75
69 Chrysene-d12	653460	326730	1306920	636591	-2.58
77 Perylene-d12	654887	327444	1309774	626672	-4.31

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.54	9.04	10.04	9.54	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.03	0.11
42 Acenaphthene-d10	15.64	15.14	16.14	15.64	0.00
59 Phenanthrene-d10	18.67	18.17	19.17	18.67	0.00
69 Chrysene-d12	23.65	23.15	24.15	23.65	0.00
77 Perylene-d12	26.45	25.95	26.95	26.45	0.00

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

REVIEW SUMMARY FOR FILE - NT1708102304S.D

Lab ID: SEQ-CAL5
nt17.i, 20230810.b\SIM.B\SIMABN2.m,   10-AUG-2023 13:47

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND

NONE

RRT check based on Ccal File: SIM.B/NT1708102309S.D

On Column LOD for nt17.i, SIM.B\SIMABN2.m, PSDDA.sub = 0.0000

Exception: 1,2,4-Trichlorobenzene 0.0010

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

Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102305S.D

Date : 10-AUG-2023 14:24

Client ID:

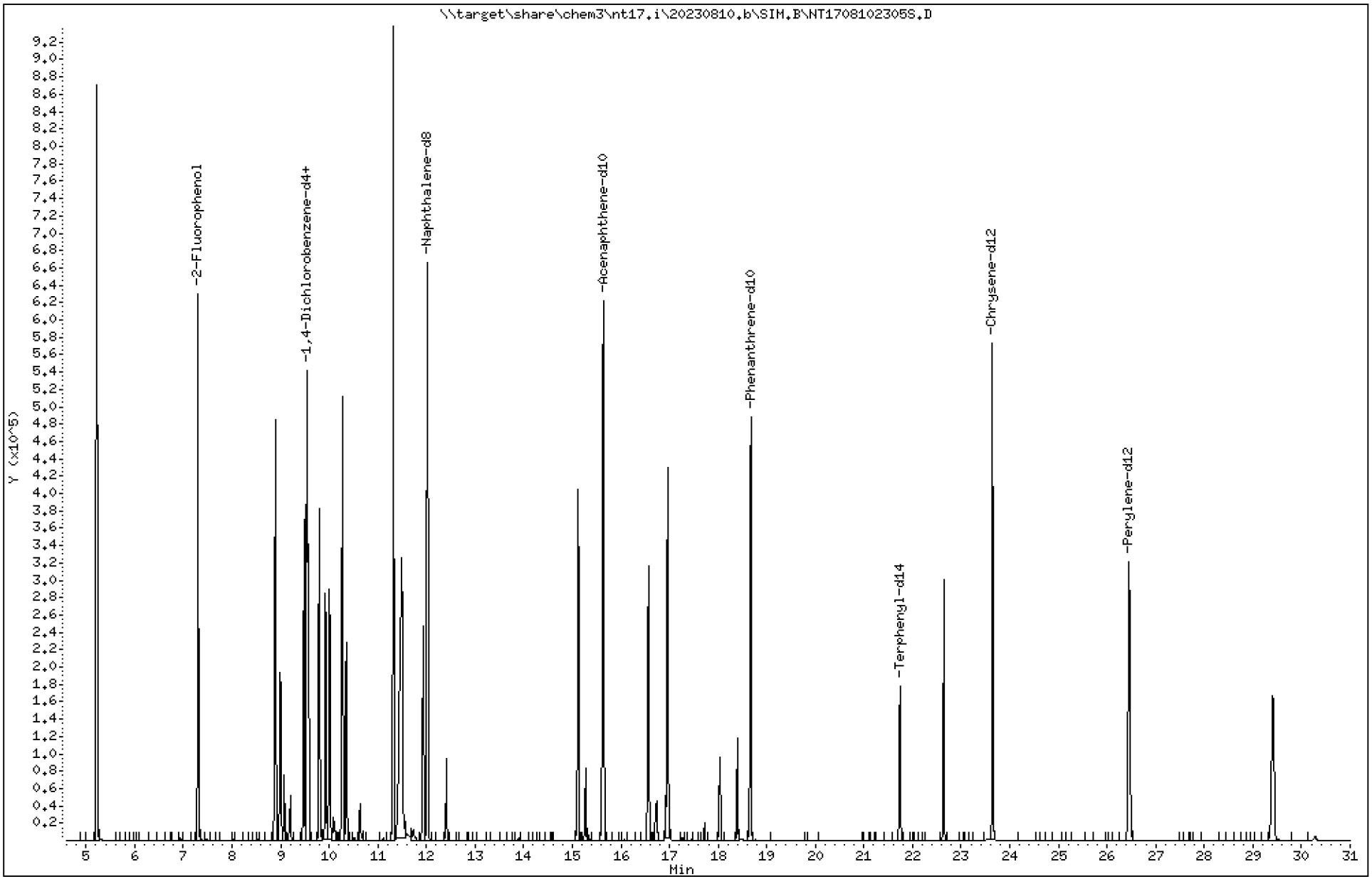
Instrument: nt17.i

Sample Info: SEQ-CAL4

Operator: JGR

Column phase: ZB-5msi

Column diameter: 0.25



ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102305S.D
Lab Smp Id: SEQ-CAL4
Inj Date : 10-AUG-2023 14:24
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-CAL4
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Meth Date : 11-Aug-2023 08:13 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 5 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1	2-Fluorophenol	112	7.298	7.298	(0.765)	511630	3.75000	3.944
	3	Phenol	94	8.891	8.891	(0.932)	507440	2.50000	2.566
	7	1,3-Dichlorobenzene	146	9.477	9.477	(0.993)	323355	2.50000	2.417
*	8	1,4-Dichlorobenzene-d4	152	9.541	9.541	(1.000)	312430	4.00000	
	9	1,4-Dichlorobenzene	146	9.566	9.566	(1.003)	314173	2.50000	2.427
	11	Benzyl alcohol	79	9.796	9.796	(1.027)	358810	2.50000	2.621
	12	1,2-Dichlorobenzene	146	9.924	9.924	(1.040)	307425	2.50000	2.448
	13	2-Methylphenol	108	10.001	10.001	(1.048)	320254	2.50000	2.671
	15	4-Methylphenol	108	10.269	10.269	(1.076)	340806	2.50000	2.719
	16	N-Nitroso-di-n-propylamine	70	10.358	10.346	(1.086)	342723	2.50000	2.674
	22	2,4-Dimethylphenol	107	11.316	11.316	(0.941)	675497	5.00000	5.368
	24	Benzoic acid	105	11.495	11.521	(0.955)	785060	10.0000	9.157
	26	1,2,4-Trichlorobenzene	180	11.929	11.929	(0.992)	208980	2.50000	2.430
*	27	Naphthalene-d8	136	12.031	12.018	(1.000)	1254264	4.00000	
	30	Hexachlorobutadiene	225	12.413	12.413	(1.032)	99738	2.50000	2.477
	39	Dimethylphthalate	163	15.117	15.117	(0.967)	474003	2.50000	2.621
*	42	Acenaphthene-d10	162	15.640	15.627	(1.000)	556439	4.00000	
	50	Diethylphthalate	149	16.570	16.557	(1.059)	515116	2.50000	2.739
	54	N-Nitrosodiphenylamine	169	16.965	16.965	(0.909)	339826	2.50000	2.633
	57	Hexachlorobenzene	284	18.034	18.034	(0.966)	102670	2.50000	2.428
	58	Pentachlorophenol	266	18.391	18.392	(0.985)	115250	5.00000	4.016
*	59	Phenanthrene-d10	188	18.672	18.672	(1.000)	897852	4.00000	
$	66	Terphenyl-d14	244	21.745	21.745	(0.920)	236133	2.50000	2.601
	67	Butylbenzylphthalate	149	22.638	22.639	(0.957)	376310	2.50000	2.162
*	69	Chrysene-d12	240	23.646	23.646	(1.000)	655938	4.00000	
*	77	Perylene-d12	264	26.452	26.452	(1.000)	640298	4.00000	
	79	Dibenzo(a,h)anthracene	278	29.403	29.404	(1.112)	438775	2.50000	2.320
	90	N-Nitrosodimethylamine	74	5.221	5.209	(0.547)	670436	5.00000	5.079

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102305S.D
Lab Smp Id: SEQ-CAL4
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 15:01
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	319389	159695	638778	312430	-2.18
27 Naphthalene-d8	1274686	637343	2549372	1254264	-1.60
42 Acenaphthene-d10	569885	284943	1139770	556439	-2.36
59 Phenanthrene-d10	915829	457915	1831658	897852	-1.96
69 Chrysene-d12	653460	326730	1306920	655938	0.38
77 Perylene-d12	654887	327444	1309774	640298	-2.23

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.54	9.04	10.04	9.54	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.03	0.11
42 Acenaphthene-d10	15.64	15.14	16.14	15.64	-0.00
59 Phenanthrene-d10	18.67	18.17	19.17	18.67	-0.00
69 Chrysene-d12	23.65	23.15	24.15	23.65	-0.00
77 Perylene-d12	26.45	25.95	26.95	26.45	-0.00

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

REVIEW SUMMARY FOR FILE - NT1708102305S.D

Lab ID: SEQ-CAL4
nt17.i, 20230810.b\SIM.B\SIMABN2.m,   10-AUG-2023 14:24

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND

NONE

RRT check based on Ccal File: SIM.B/NT1708102309S.D

On Column LOD for nt17.i, SIM.B\SIMABN2.m, PSDDA.sub = 0.0000

Exception: 1,2,4-Trichlorobenzene 0.0010

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

Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT17081023065.D

Page 1

Date : 10-AUG-2023 15:01

Client ID:

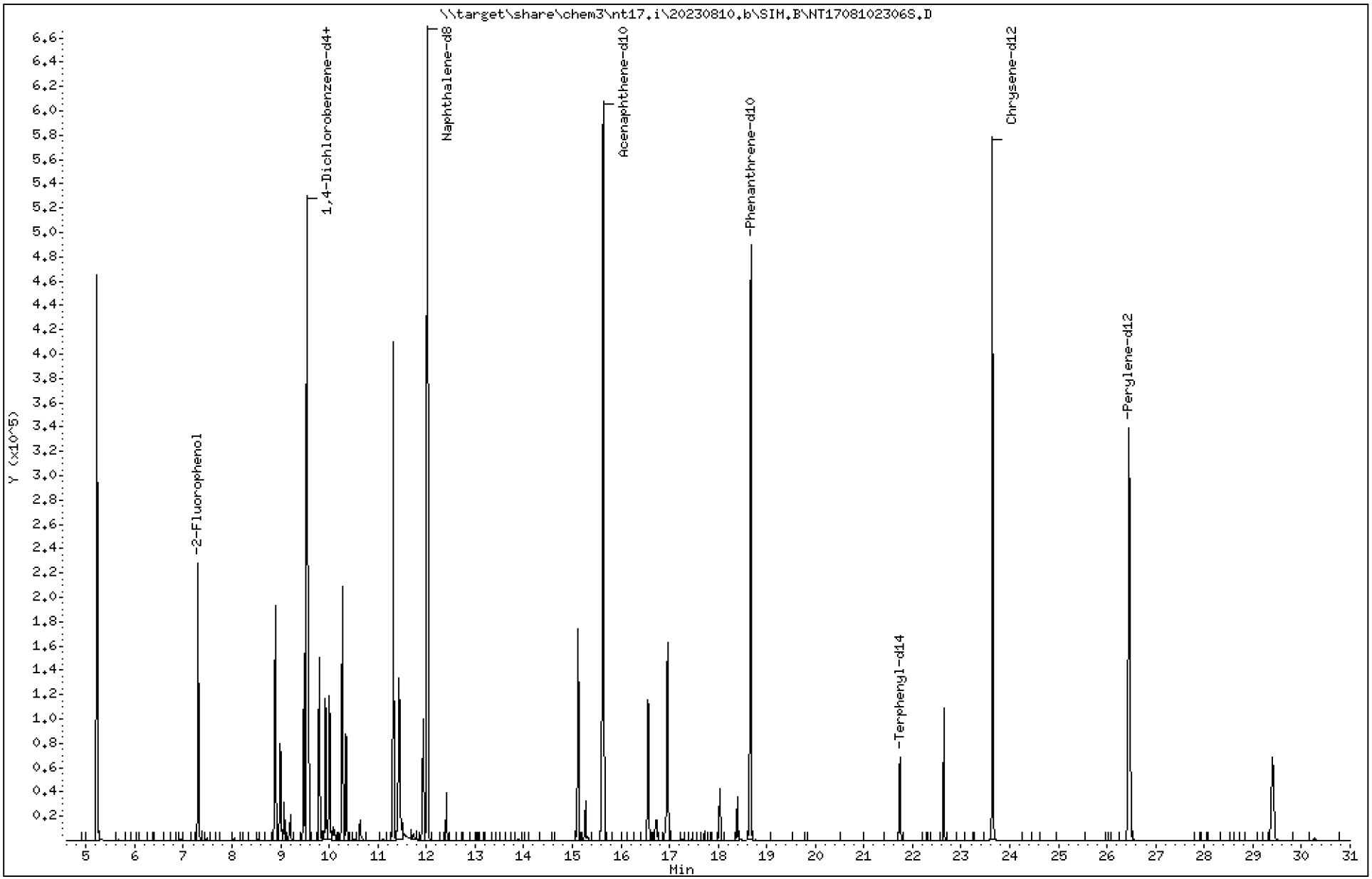
Instrument: nt17.i

Sample Info: SEQ-CAL3

Operator: JGR

Column phase: ZB-5msi

Column diameter: 0.25



ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102306S.D
Lab Smp Id: SEQ-CAL3
Inj Date : 10-AUG-2023 15:01
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-CAL3
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Meth Date : 11-Aug-2023 08:13 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1	2-Fluorophenol	112	7.311	7.298	(0.766)	213237	1.50000	1.608
	3	Phenol	94	8.891	8.891	(0.932)	209914	1.00000	1.038
	7	1,3-Dichlorobenzene	146	9.477	9.477	(0.993)	135538	1.00000	0.9912
*	8	1,4-Dichlorobenzene-d4	152	9.541	9.541	(1.000)	319389	4.00000	
	9	1,4-Dichlorobenzene	146	9.566	9.566	(1.003)	130420	1.00000	0.9855
	11	Benzyl alcohol	79	9.796	9.796	(1.027)	140348	1.00000	1.003
	12	1,2-Dichlorobenzene	146	9.924	9.924	(1.040)	128190	1.00000	0.9986
	13	2-Methylphenol	108	10.001	10.001	(1.048)	128876	1.00000	1.051
	15	4-Methylphenol	108	10.269	10.269	(1.076)	133863	1.00000	1.045
	16	N-Nitroso-di-n-propylamine	70	10.346	10.346	(1.084)	139780	1.00000	1.067
	22	2,4-Dimethylphenol	107	11.316	11.316	(0.942)	277485	2.00000	2.170
	24	Benzoic acid	105	11.444	11.521	(0.952)	238483	4.00000	2.820
	26	1,2,4-Trichlorobenzene	180	11.929	11.929	(0.993)	86448	1.00000	0.9893
*	27	Naphthalene-d8	136	12.018	12.018	(1.000)	1274686	4.00000	
	30	Hexachlorobutadiene	225	12.413	12.413	(1.033)	40587	1.00000	0.9918
	39	Dimethylphthalate	163	15.117	15.117	(0.967)	195025	1.00000	1.053
*	42	Acenaphthene-d10	162	15.640	15.627	(1.000)	569885	4.00000	
	50	Diethylphthalate	149	16.557	16.557	(1.059)	209459	1.00000	1.088
	54	N-Nitrosodiphenylamine	169	16.965	16.965	(0.909)	143681	1.00000	1.091
	57	Hexachlorobenzene	284	18.034	18.034	(0.966)	43266	1.00000	1.003
	58	Pentachlorophenol	266	18.391	18.392	(0.985)	38046	2.00000	1.300
*	59	Phenanthrene-d10	188	18.672	18.672	(1.000)	915829	4.00000	
$	66	Terphenyl-d14	244	21.745	21.745	(0.920)	96099	1.00000	1.063
	67	Butylbenzylphthalate	149	22.638	22.639	(0.957)	135239	1.00000	0.7799
*	69	Chrysene-d12	240	23.646	23.646	(1.000)	653460	4.00000	
*	77	Perylene-d12	264	26.452	26.452	(1.000)	654887	4.00000	
	79	Dibenzo(a,h)anthracene	278	29.403	29.404	(1.112)	175811	1.00000	0.9089
	90	N-Nitrosodimethylamine	74	5.221	5.209	(0.547)	283616	2.00000	2.102

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102306S.D
Lab Smp Id: SEQ-CAL3
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 15:01
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	319389	159695	638778	319389	0.00
27 Naphthalene-d8	1274686	637343	2549372	1274686	0.00
42 Acenaphthene-d10	569885	284943	1139770	569885	0.00
59 Phenanthrene-d10	915829	457915	1831658	915829	0.00
69 Chrysene-d12	653460	326730	1306920	653460	0.00
77 Perylene-d12	654887	327444	1309774	654887	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.54	9.04	10.04	9.54	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	0.00
42 Acenaphthene-d10	15.64	15.14	16.14	15.64	0.00
59 Phenanthrene-d10	18.67	18.17	19.17	18.67	0.00
69 Chrysene-d12	23.65	23.15	24.15	23.65	0.00
77 Perylene-d12	26.45	25.95	26.95	26.45	0.00

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

REVIEW SUMMARY FOR FILE - NT1708102306S.D

Lab ID: SEQ-CAL3
nt17.i, 20230810.b\SIM.B\SIMABN2.m,   10-AUG-2023 15:01

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.952	0.959	-0.0064	Benzoic acid

RRT check based on Ccal File: SIM.B/NT1708102309S.D

On Column LOD for nt17.i, SIM.B\SIMABN2.m, PSDDA.sub = 0.0000

Exception: 1,2,4-Trichlorobenzene 0.0010

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

Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102307S.D

Date : 10-AUG-2023 15:38

Client ID:

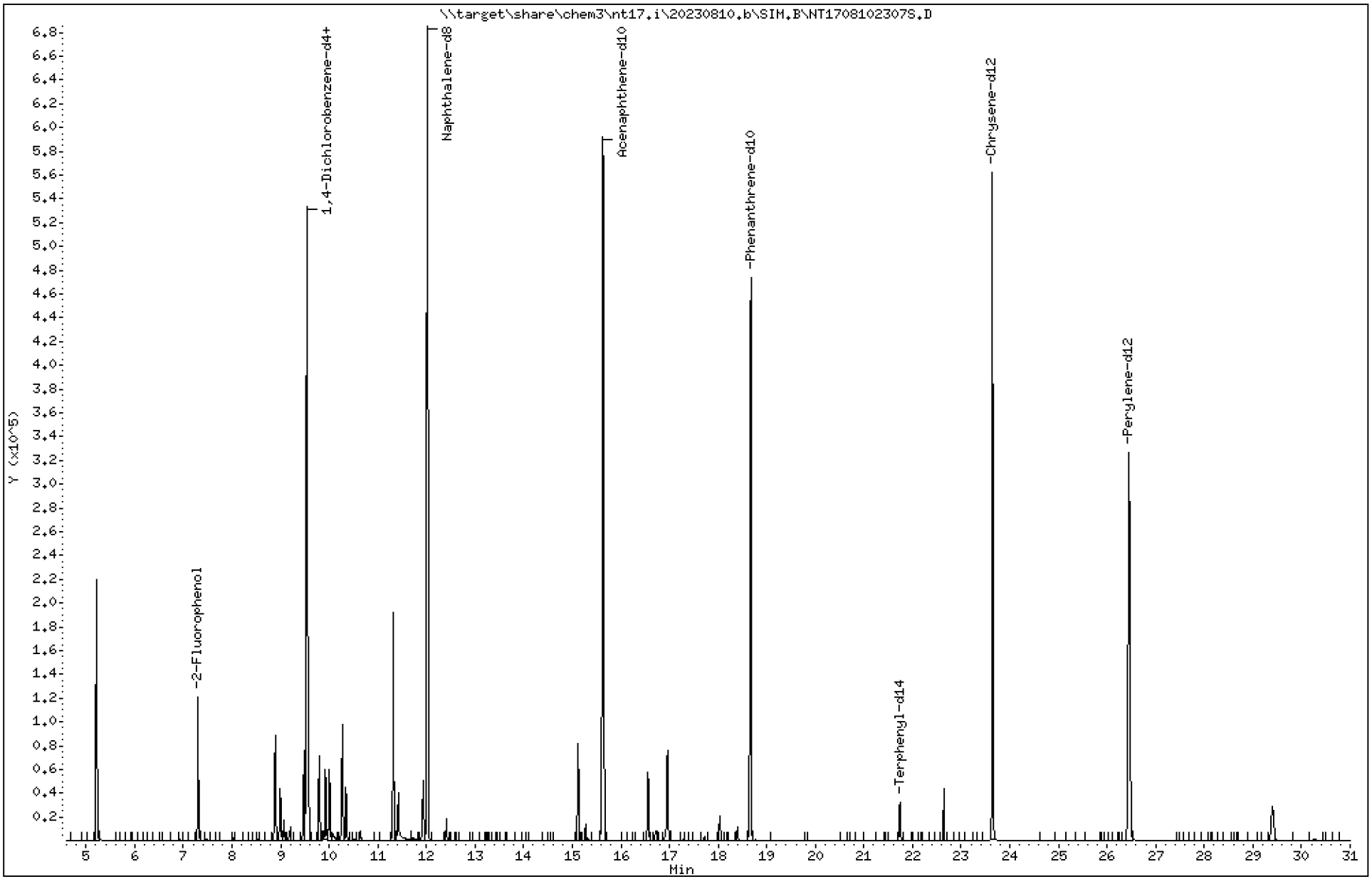
Instrument: nt17.i

Sample Info: SEQ-CAL2

Operator: JGR

Column phase: ZB-5msi

Column diameter: 0.25



ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102307S.D
Lab Smp Id: SEQ-CAL2
Inj Date : 10-AUG-2023 15:38
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-CAL2
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Meth Date : 11-Aug-2023 08:13 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	7.298	7.298	(0.765)	100201	0.75000	0.7502(M)
	3 Phenol	94	8.891	8.891	(0.932)	100883	0.50000	0.4955
	7 1,3-Dichlorobenzene	146	9.477	9.477	(0.993)	66951	0.50000	0.4861
*	8 1,4-Dichlorobenzene-d4	152	9.541	9.541	(1.000)	321688	4.00000	
	9 1,4-Dichlorobenzene	146	9.566	9.566	(1.003)	64245	0.50000	0.4820
	11 Benzyl alcohol	79	9.796	9.796	(1.027)	65633	0.50000	0.4657
	12 1,2-Dichlorobenzene	146	9.924	9.924	(1.040)	62833	0.50000	0.4860
	13 2-Methylphenol	108	10.001	10.001	(1.048)	60109	0.50000	0.4869
	15 4-Methylphenol	108	10.269	10.269	(1.076)	61889	0.50000	0.4796
	16 N-Nitroso-di-n-propylamine	70	10.346	10.346	(1.084)	65249	0.50000	0.4945
	22 2,4-Dimethylphenol	107	11.316	11.316	(0.942)	129063	1.00000	1.015
	24 Benzoic acid	105	11.419	11.521	(0.950)	59987	2.00000	0.7200(H)
	26 1,2,4-Trichlorobenzene	180	11.929	11.929	(0.993)	42243	0.50000	0.4861
*	27 Naphthalene-d8	136	12.018	12.018	(1.000)	1267731	4.00000	
	30 Hexachlorobutadiene	225	12.413	12.413	(1.033)	19459	0.50000	0.4781
	39 Dimethylphthalate	163	15.117	15.117	(0.967)	90720	0.50000	0.5011
*	42 Acenaphthene-d10	162	15.627	15.627	(1.000)	557007	4.00000	
	50 Diethylphthalate	149	16.557	16.557	(1.060)	96291	0.50000	0.5115
	54 N-Nitrosodiphenylamine	169	16.965	16.965	(0.909)	68080	0.50000	0.5241
	57 Hexachlorobenzene	284	18.034	18.034	(0.966)	20977	0.50000	0.4929
	58 Pentachlorophenol	266	18.391	18.392	(0.985)	13784	1.00000	0.4773
*	59 Phenanthrene-d10	188	18.672	18.672	(1.000)	903496	4.00000	
$	66 Terphenyl-d14	244	21.745	21.745	(0.920)	45419	0.50000	0.5026
	67 Butylbenzylphthalate	149	22.638	22.639	(0.957)	52682	0.50000	0.3041
*	69 Chrysene-d12	240	23.646	23.646	(1.000)	652968	4.00000	
*	77 Perylene-d12	264	26.452	26.452	(1.000)	651319	4.00000	
	79 Dibenzo(a,h)anthracene	278	29.403	29.404	(1.112)	78464	0.50000	0.4079
	90 N-Nitrosodimethylamine	74	5.209	5.209	(0.546)	136328	1.00000	1.003(M)

QC Flag Legend

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

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102307S.D
Lab Smp Id: SEQ-CAL2
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 15:01
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	319389	159695	638778	321688	0.72
27 Naphthalene-d8	1274686	637343	2549372	1267731	-0.55
42 Acenaphthene-d10	569885	284943	1139770	557007	-2.26
59 Phenanthrene-d10	915829	457915	1831658	903496	-1.35
69 Chrysene-d12	653460	326730	1306920	652968	-0.08
77 Perylene-d12	654887	327444	1309774	651319	-0.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.54	9.04	10.04	9.54	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	-0.00
42 Acenaphthene-d10	15.64	15.14	16.14	15.63	-0.08
59 Phenanthrene-d10	18.67	18.17	19.17	18.67	-0.00
69 Chrysene-d12	23.65	23.15	24.15	23.65	-0.00
77 Perylene-d12	26.45	25.95	26.95	26.45	-0.00

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

REVIEW SUMMARY FOR FILE - NT1708102307S.D

Lab ID: SEQ-CAL2
nt17.i, 20230810.b\SIM.B\SIMABN2.m,   10-AUG-2023 15:38

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.950	0.959	-0.0085	Benzoic acid

RRT check based on Ccal File: SIM.B/NT1708102309S.D

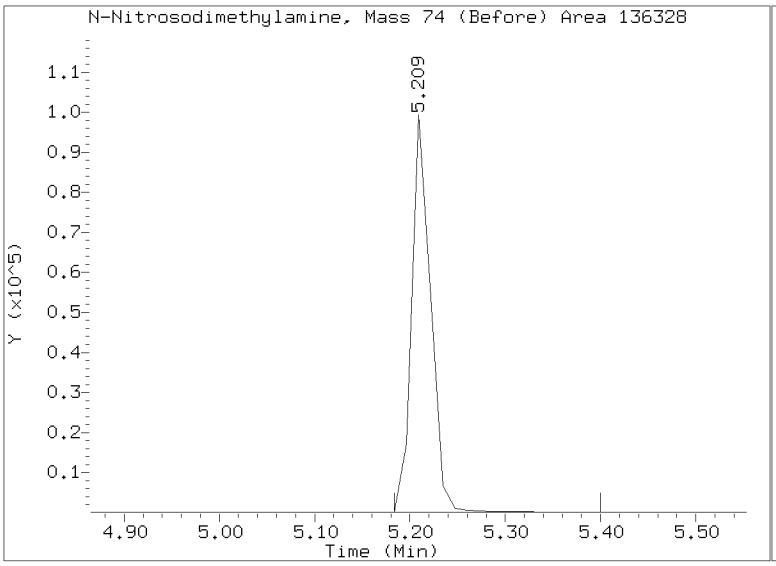
On Column LOD for nt17.i, SIM.B\SIMABN2.m, PSDDA.sub = 0.0000

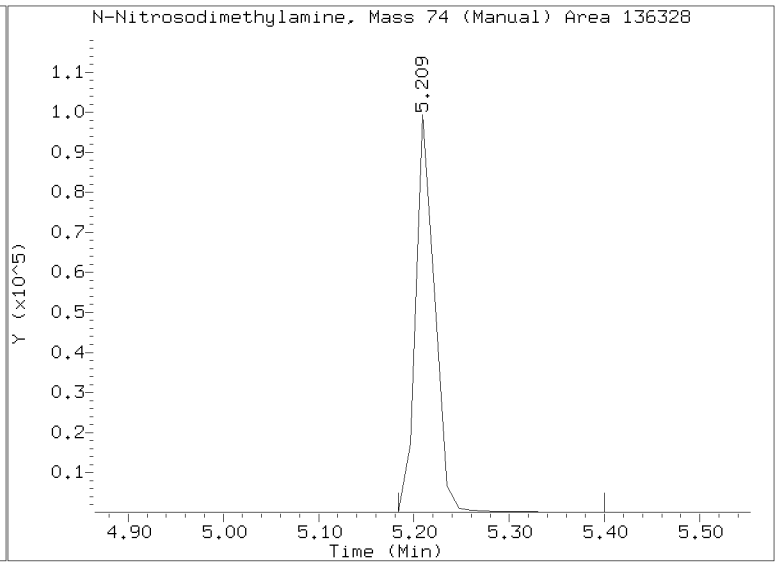
Exception: 1,2,4-Trichlorobenzene 0.0010

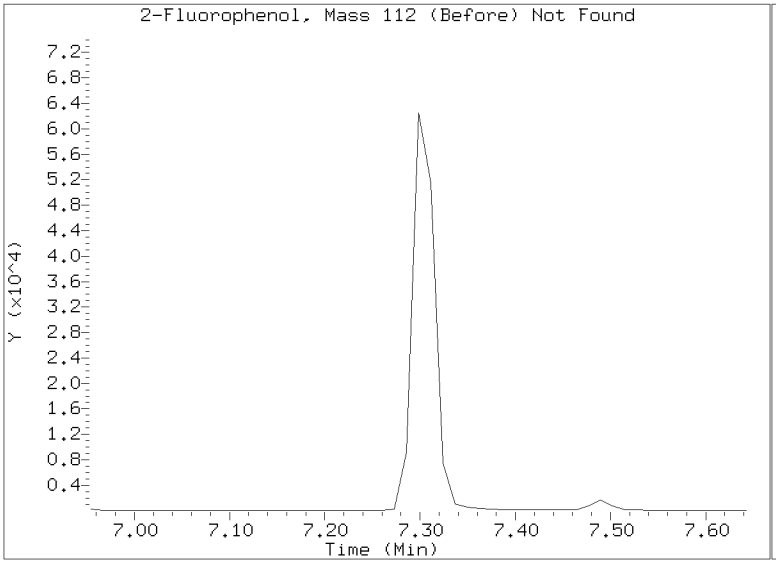
* Only compounds listed in the work order have been verified by the analyst *

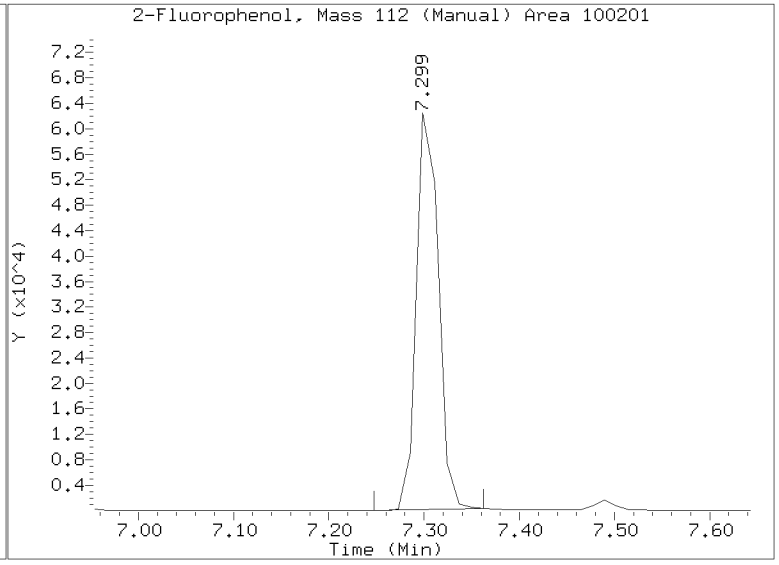
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230810.b/SIM.B/NT1708102307S.D
Injection Date: 10-AUG-2023 15:38
Lab ID:SEQ-CAL2 Client ID:
Report Date: 08/15/2023 16:33









Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT17081023085.D

Date : 10-AUG-2023 16:16

Client ID:

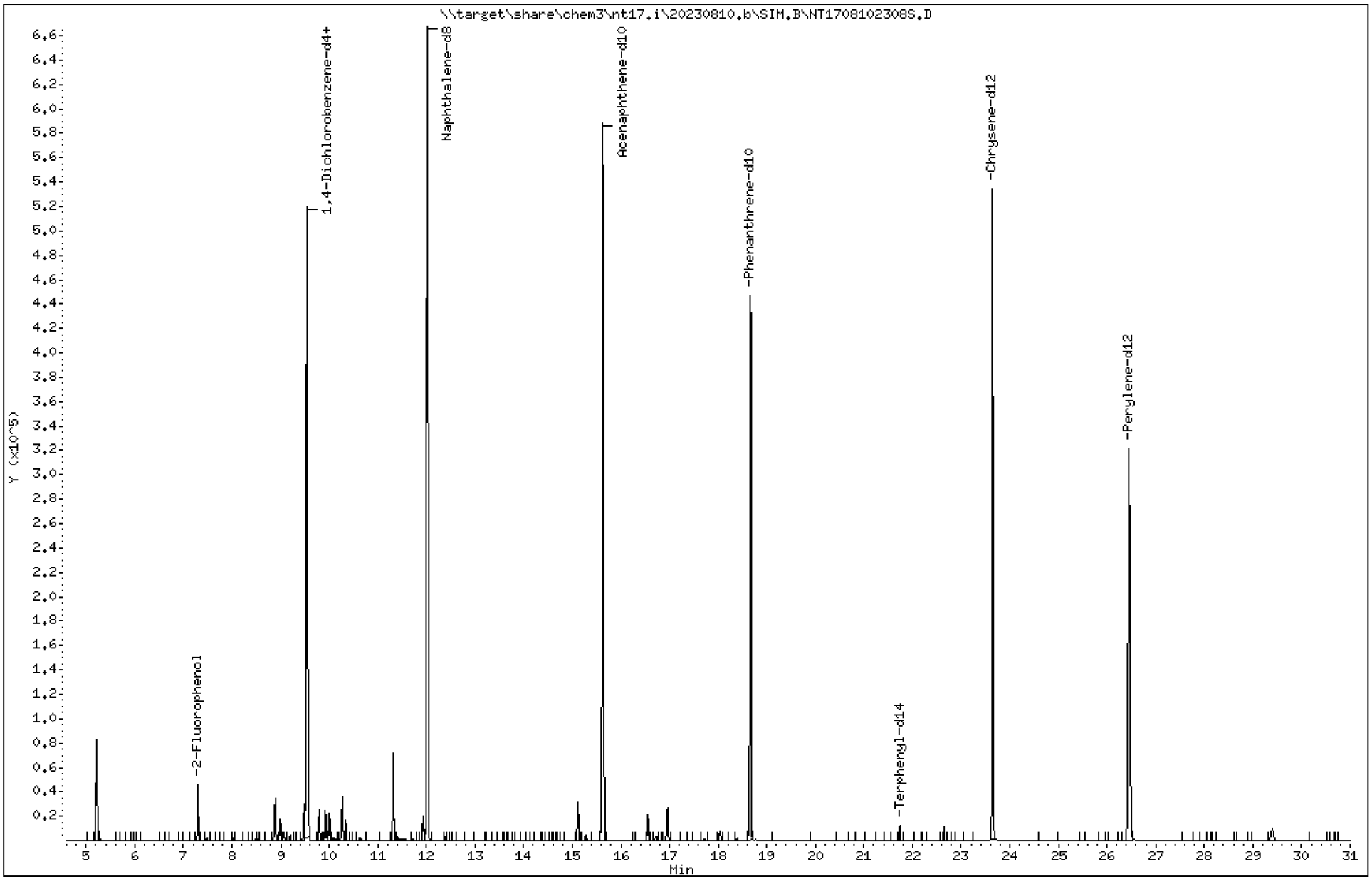
Instrument: nt17.i

Sample Info: SEQ-CAL1

Operator: JGR

Column phase: ZB-5msi

Column diameter: 0.25



ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102308S.D
Lab Smp Id: SEQ-CAL1
Inj Date : 10-AUG-2023 16:16
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-CAL1
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Meth Date : 11-Aug-2023 08:13 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

								AMOUNTS	
		QUANT SIG						CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE		(ug/mL)	(ug/mL)
$	1 2-Fluorophenol	112	7.298	7.298	(0.765)	38724		0.30000	0.2931(M)
	3 Phenol	94	8.890	8.891	(0.932)	40258		0.20000	0.1999
	7 1,3-Dichlorobenzene	146	9.477	9.477	(0.993)	27666		0.20000	0.2030
*	8 1,4-Dichlorobenzene-d4	152	9.541	9.541	(1.000)	318238		4.00000	
	9 1,4-Dichlorobenzene	146	9.566	9.566	(1.003)	26713		0.20000	0.2026
	11 Benzyl alcohol	79	9.796	9.796	(1.027)	24896		0.20000	0.1786
	12 1,2-Dichlorobenzene	146	9.924	9.924	(1.040)	25726		0.20000	0.2011
	13 2-Methylphenol	108	10.001	10.001	(1.048)	22969		0.20000	0.1881
	15 4-Methylphenol	108	10.269	10.269	(1.076)	23242		0.20000	0.1821
	16 N-Nitroso-di-n-propylamine	70	10.346	10.346	(1.084)	24192		0.20000	0.1853
	22 2,4-Dimethylphenol	107	11.316	11.316	(0.942)	47911		0.40000	0.3845
	24 Benzoic acid	105	11.406	11.521	(0.949)	5997		0.80000	0.07368(H)
	26 1,2,4-Trichlorobenzene	180	11.929	11.929	(0.993)	17170		0.20000	0.2016
*	27 Naphthalene-d8	136	12.018	12.018	(1.000)	1242051		4.00000	
	30 Hexachlorobutadiene	225	12.413	12.413	(1.033)	7827		0.20000	0.1963
	39 Dimethylphthalate	163	15.117	15.117	(0.967)	33726		0.20000	0.1925
*	42 Acenaphthene-d10	162	15.627	15.627	(1.000)	539106		4.00000	
	50 Diethylphthalate	149	16.557	16.557	(1.060)	34115		0.20000	0.1872
	54 N-Nitrosodiphenylamine	169	16.965	16.965	(0.909)	24789		0.20000	0.2000
	57 Hexachlorobenzene	284	18.034	18.034	(0.967)	8156		0.20000	0.2008
	58 Pentachlorophenol	266	18.391	18.392	(0.986)	3438		0.40000	0.1247
*	59 Phenanthrene-d10	188	18.659	18.672	(1.000)	862235		4.00000	
$	66 Terphenyl-d14	244	21.745	21.745	(0.920)	16666		0.20000	0.1931
	67 Butylbenzylphthalate	149	22.638	22.639	(0.957)	14439		0.20000	0.08725
*	69 Chrysene-d12	240	23.646	23.646	(1.000)	623693		4.00000	
*	77 Perylene-d12	264	26.452	26.452	(1.000)	627138		4.00000	
	79 Dibenzo(a,h)anthracene	278	29.403	29.404	(1.112)	28334		0.20000	0.1530
	90 N-Nitrosodimethylamine	74	5.209	5.209	(0.546)	54544		0.40000	0.4057(M)

QC Flag Legend

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

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102308S.D
Lab Smp Id: SEQ-CAL1
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 15:01
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	319389	159695	638778	318238	-0.36
27 Naphthalene-d8	1274686	637343	2549372	1242051	-2.56
42 Acenaphthene-d10	569885	284943	1139770	539106	-5.40
59 Phenanthrene-d10	915829	457915	1831658	862235	-5.85
69 Chrysene-d12	653460	326730	1306920	623693	-4.56
77 Perylene-d12	654887	327444	1309774	627138	-4.24

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.54	9.04	10.04	9.54	-0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	-0.00
42 Acenaphthene-d10	15.64	15.14	16.14	15.63	-0.08
59 Phenanthrene-d10	18.67	18.17	19.17	18.66	-0.07
69 Chrysene-d12	23.65	23.15	24.15	23.65	-0.00
77 Perylene-d12	26.45	25.95	26.95	26.45	-0.00

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

REVIEW SUMMARY FOR FILE - NT1708102308S.D

Lab ID: SEQ-CAL1
nt17.i, 20230810.b\SIM.B\SIMABN2.m,   10-AUG-2023 16:16

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.949	0.959	-0.0096	Benzoic acid

RRT check based on Ccal File: SIM.B/NT1708102309S.D

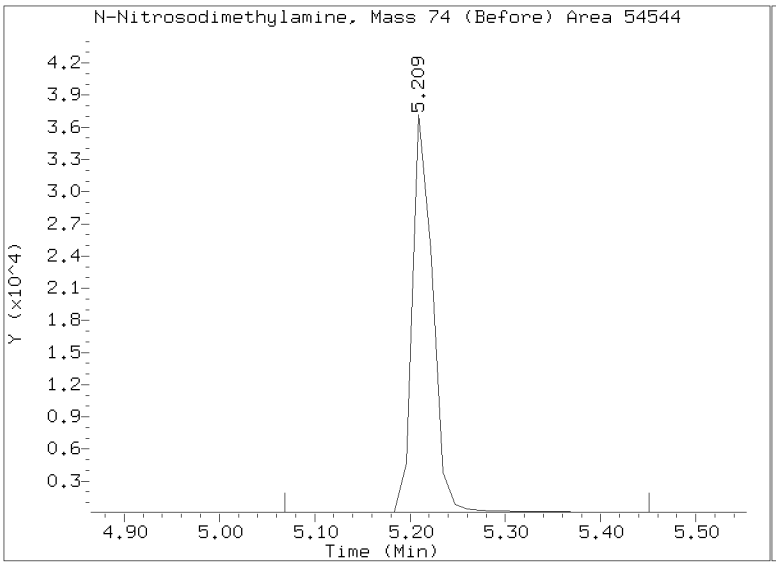
On Column LOD for nt17.i, SIM.B\SIMABN2.m, PSDDA.sub = 0.0000

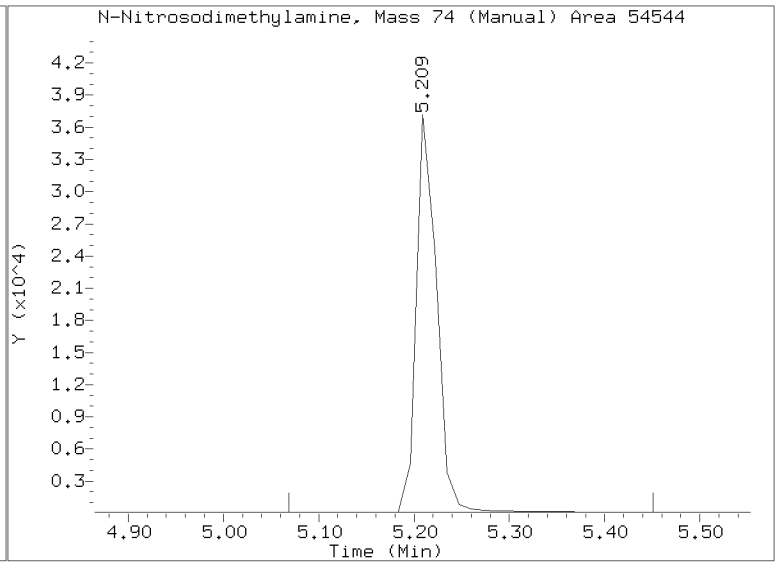
Exception: 1,2,4-Trichlorobenzene 0.0010

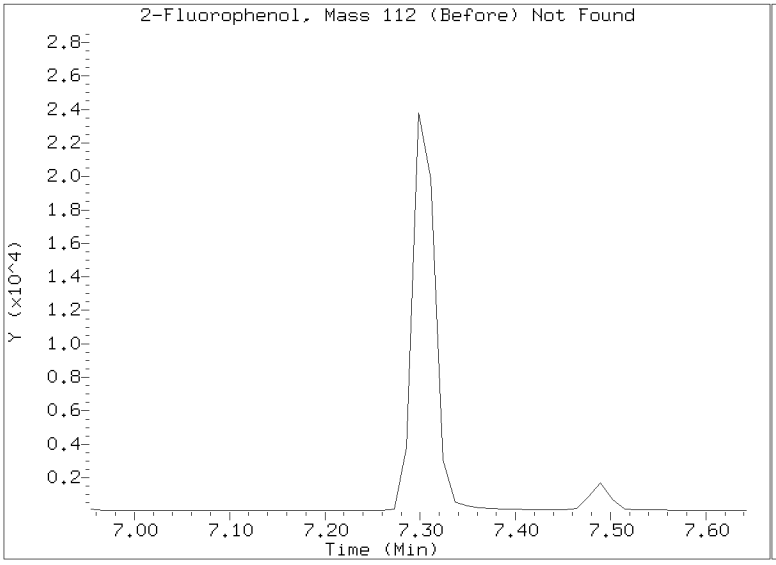
* Only compounds listed in the work order have been verified by the analyst *

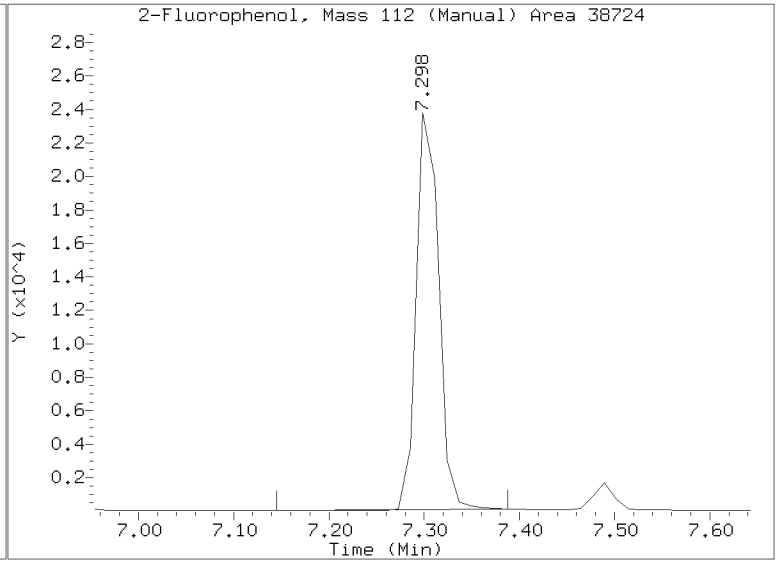
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230810.b/SIM.B/NT1708102308S.D
Injection Date: 10-AUG-2023 16:16
Lab ID:SEQ-CAL1 Client ID:
Report Date: 08/15/2023 16:33









Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT17081023095.D

Date : 10-AUG-2023 16:53

Client ID:

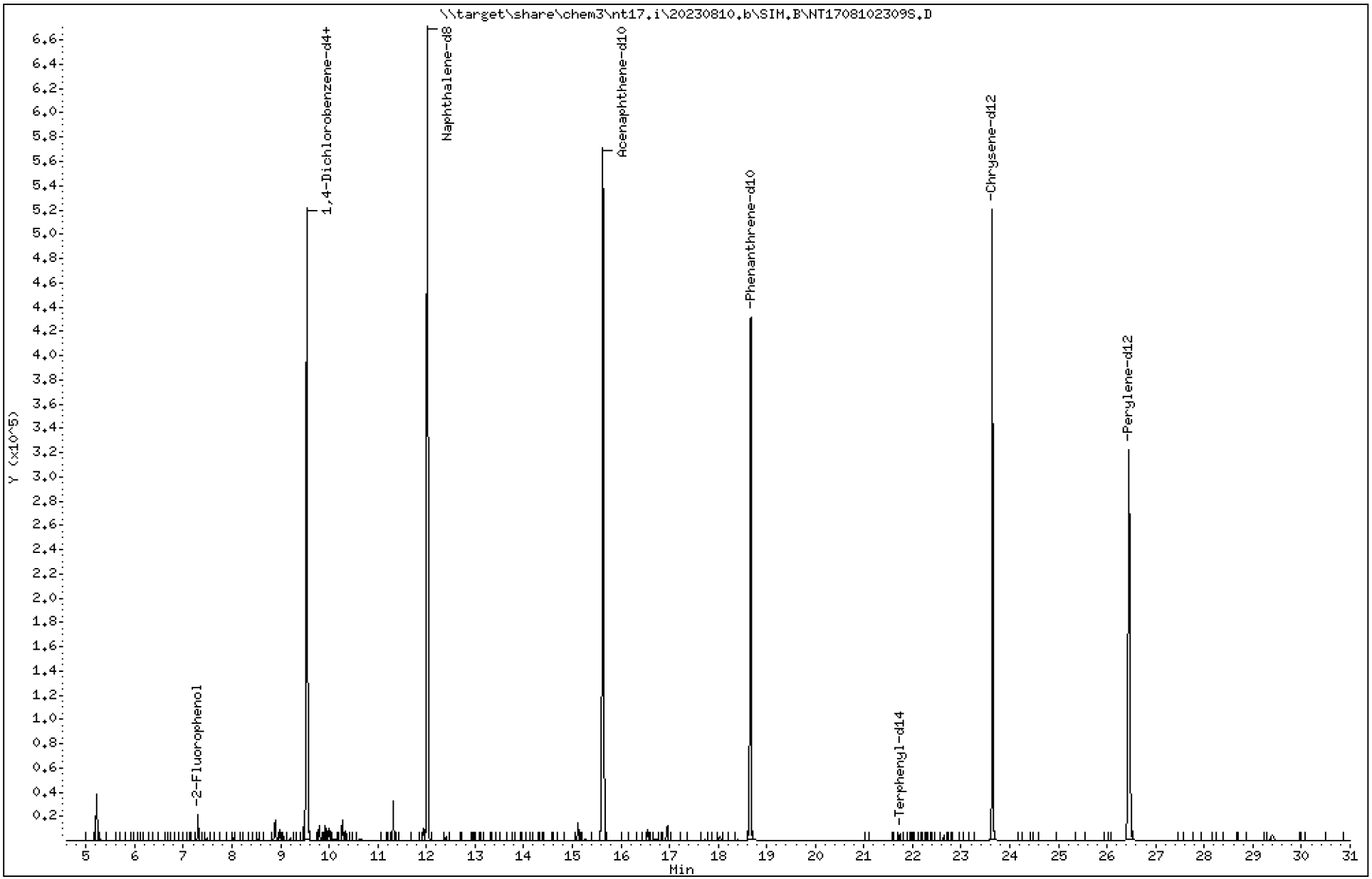
Sample Info: SEQ-SIM2

Instrument: nt17.i

Operator: JGR

Column phase: ZB-5msi

Column diameter: 0.25



ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102309S.D
Lab Smp Id: SEQ-SIM2
Inj Date : 10-AUG-2023 16:53
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-SIM2
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Meth Date : 11-Aug-2023 08:13 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 9 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$ 1	2-Fluorophenol	112	7.298	7.298	(0.765)	18535	0.15000	0.1385(M)
3	Phenol	94	8.891	8.891	(0.932)	19772	0.10000	0.09695
7	1,3-Dichlorobenzene	146	9.477	9.477	(0.993)	14402	0.10000	0.1044
* 8	1,4-Dichlorobenzene-d4	152	9.541	9.541	(1.000)	322199	4.00000	
9	1,4-Dichlorobenzene	146	9.566	9.566	(1.003)	13875	0.10000	0.1039
11	Benzyl alcohol	79	9.796	9.796	(1.027)	12128	0.10000	0.08592
12	1,2-Dichlorobenzene	146	9.924	9.924	(1.040)	13296	0.10000	0.1027
13	2-Methylphenol	108	10.001	10.001	(1.048)	10880	0.10000	0.08798
15	4-Methylphenol	108	10.269	10.269	(1.076)	11305	0.10000	0.08747
16	N-Nitroso-di-n-propylamine	70	10.346	10.346	(1.084)	11534	0.10000	0.08727
22	2,4-Dimethylphenol	107	11.316	11.316	(0.942)	22434	0.20000	0.1800
24	Benzoic acid	105	11.521	11.521	(0.959)	620	0.40000	0.007620(M)
26	1,2,4-Trichlorobenzene	180	11.929	11.929	(0.993)	8884	0.10000	0.1043
* 27	Naphthalene-d8	136	12.018	12.018	(1.000)	1242007	4.00000	
30	Hexachlorobutadiene	225	12.413	12.413	(1.033)	3993	0.10000	0.1001
39	Dimethylphthalate	163	15.117	15.117	(0.967)	15901	0.10000	0.09162
* 42	Acenaphthene-d10	162	15.627	15.627	(1.000)	533992	4.00000	
50	Diethylphthalate	149	16.557	16.557	(1.060)	15209	0.10000	0.08428
54	N-Nitrosodiphenylamine	169	16.965	16.965	(0.909)	11331	0.10000	0.09172
57	Hexachlorobenzene	284	18.034	18.034	(0.966)	4038	0.10000	0.09976(M)
58	Pentachlorophenol	266	18.391	18.392	(0.985)	1335	0.20000	0.04860(M)
* 59	Phenanthrene-d10	188	18.672	18.672	(1.000)	859320	4.00000	
$ 66	Terphenyl-d14	244	21.745	21.745	(0.920)	7822	0.10000	0.08900
67	Butylbenzylphthalate	149	22.638	22.639	(0.957)	5890	0.10000	0.03495
* 69	Chrysene-d12	240	23.646	23.646	(1.000)	635124	4.00000	
* 77	Perylene-d12	264	26.452	26.452	(1.000)	630896	4.00000	
79	Dibenzo(a,h)anthracene	278	29.403	29.404	(1.112)	13315	0.10000	0.07145
90	N-Nitrosodimethylamine	74	5.209	5.209	(0.546)	27025	0.20000	0.1985(M)

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102309S.D
Lab Smp Id: SEQ-SIM2
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 15:01
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	319389	159695	638778	322199	0.88
27 Naphthalene-d8	1274686	637343	2549372	1242007	-2.56
42 Acenaphthene-d10	569885	284943	1139770	533992	-6.30
59 Phenanthrene-d10	915829	457915	1831658	859320	-6.17
69 Chrysene-d12	653460	326730	1306920	635124	-2.81
77 Perylene-d12	654887	327444	1309774	630896	-3.66

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.54	9.04	10.04	9.54	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	-0.00
42 Acenaphthene-d10	15.64	15.14	16.14	15.63	-0.08
59 Phenanthrene-d10	18.67	18.17	19.17	18.67	-0.00
69 Chrysene-d12	23.65	23.15	24.15	23.65	-0.00
77 Perylene-d12	26.45	25.95	26.95	26.45	-0.00

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

REVIEW SUMMARY FOR FILE - NT1708102309S.D

Lab ID: SEQ-SIM2
nt17.i, 20230810.b\SIM.B\SIMABN2.m,   10-AUG-2023 16:53

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND

NONE

RRT check based on Ccal File: SIM.B/NT1708102309S.D

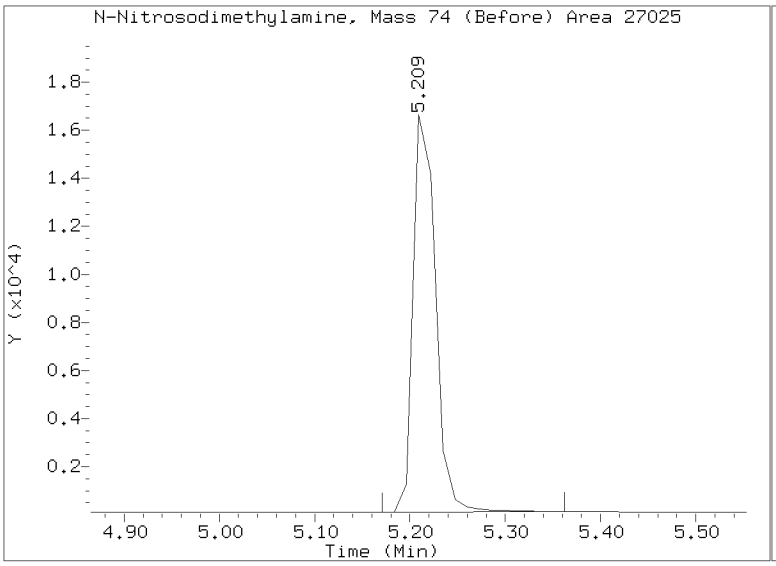
On Column LOD for nt17.i, SIM.B\SIMABN2.m, PSDDA.sub = 0.0000

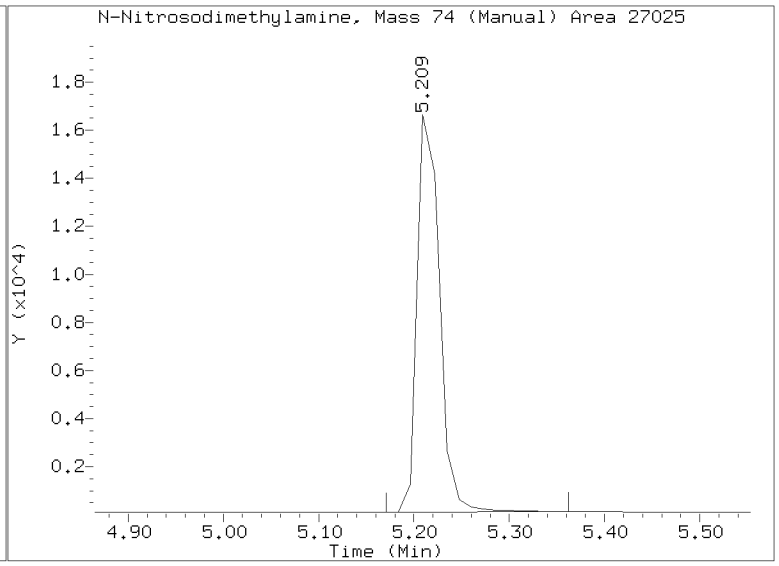
Exception: 1,2,4-Trichlorobenzene 0.0010

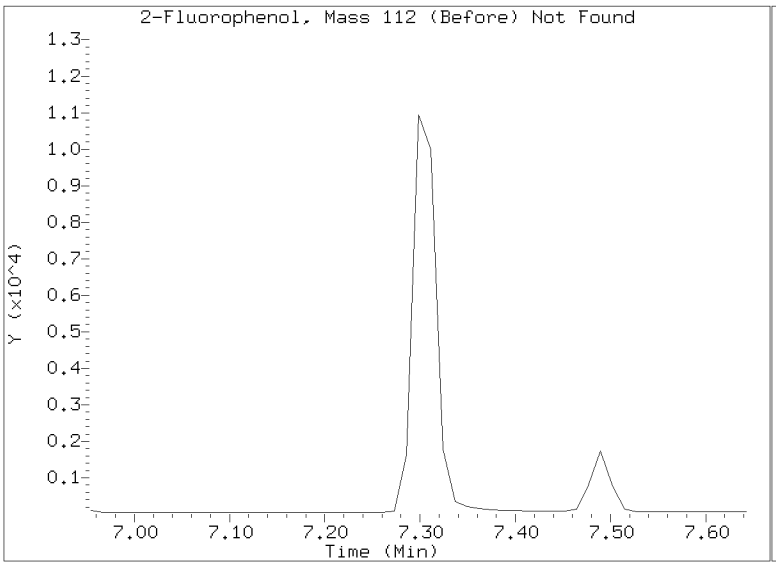
* Only compounds listed in the work order have been verified by the analyst *

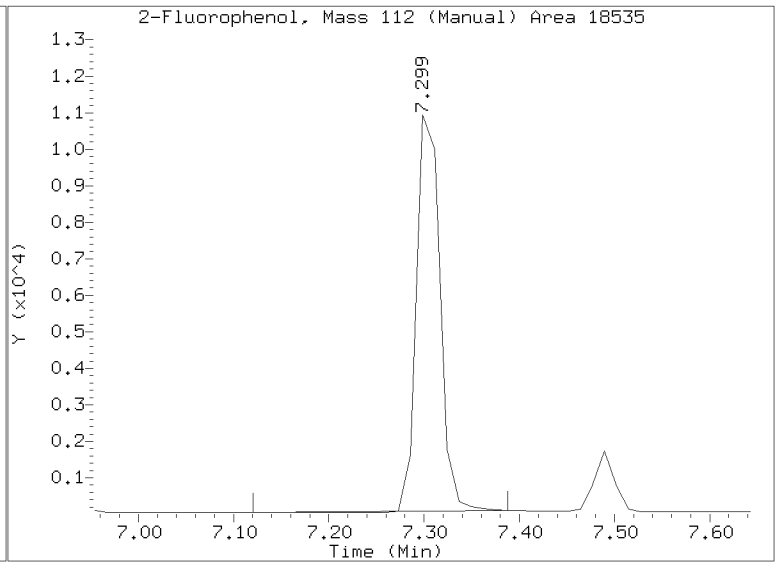
Quant Ion Manual Peak Adjustment Report

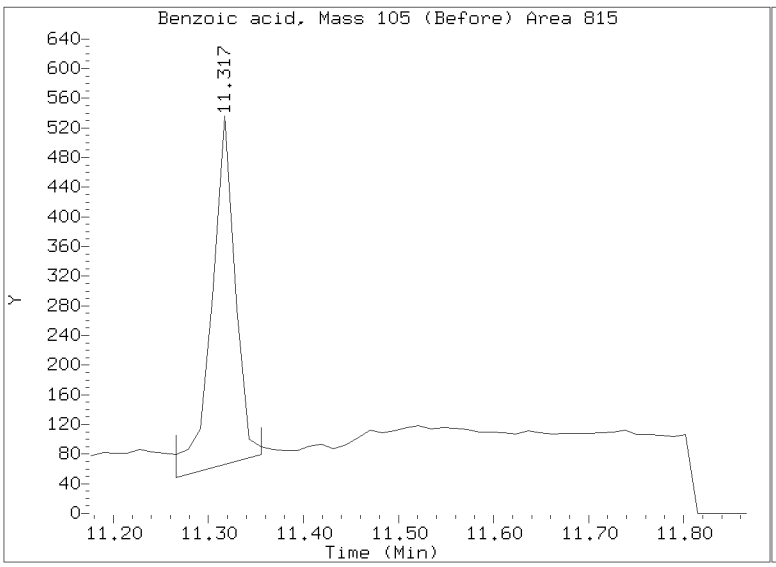
Datafile: //target/share/chem3/nt17.i/20230810.b/SIM.B/NT1708102309S.D
Injection Date: 10-AUG-2023 16:53
Lab ID:SEQ-SIM2 Client ID:
Report Date: 08/15/2023 16:33

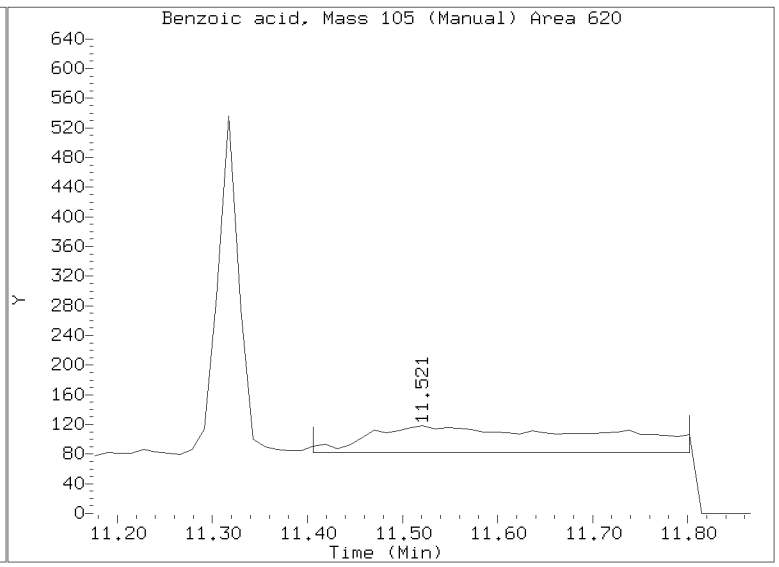






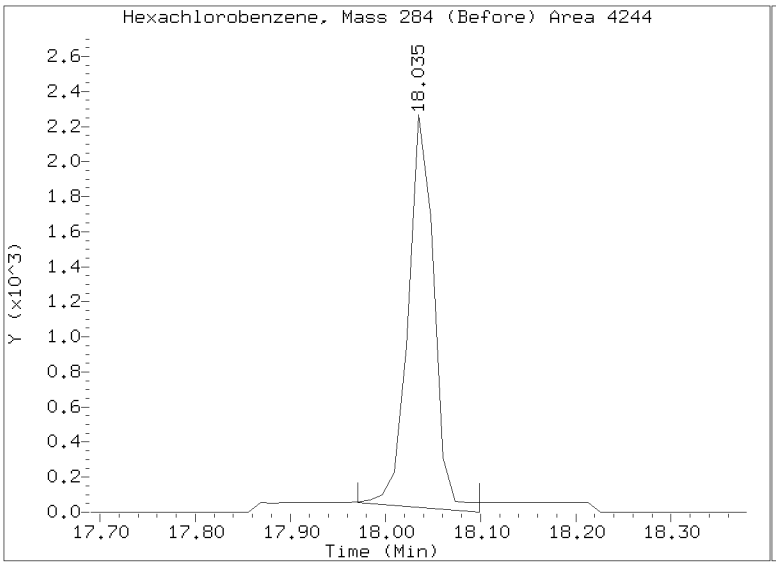


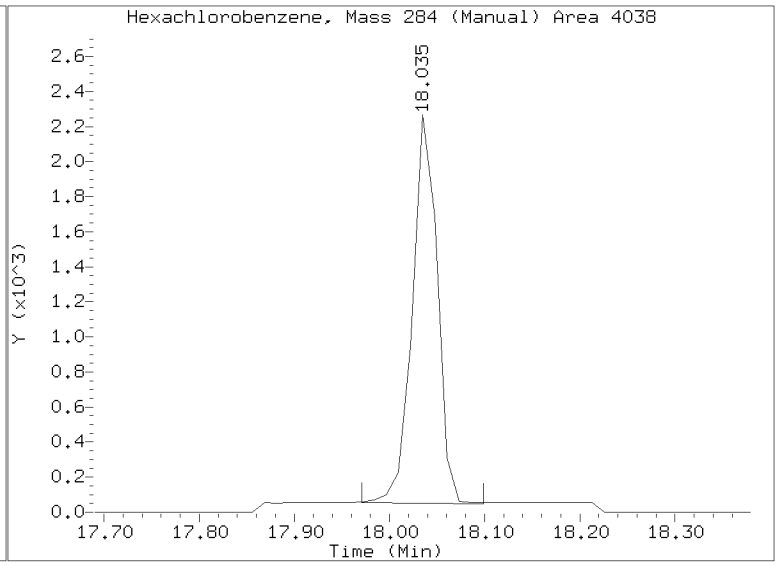


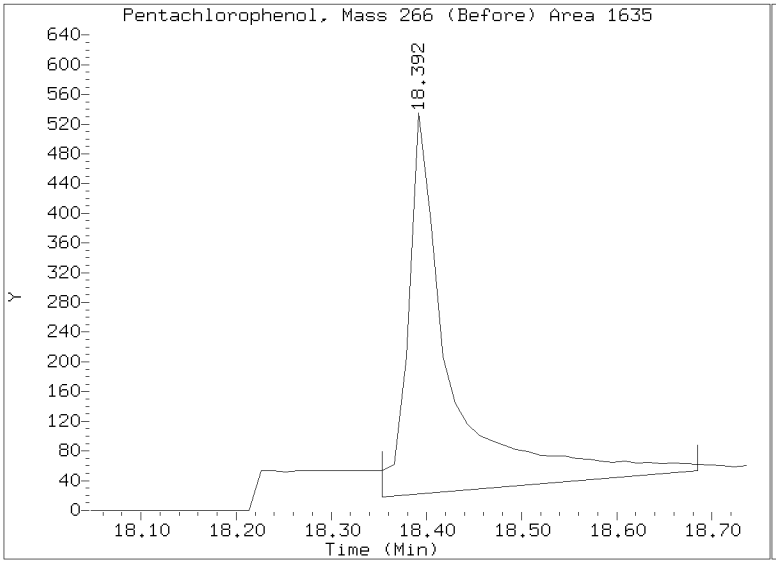


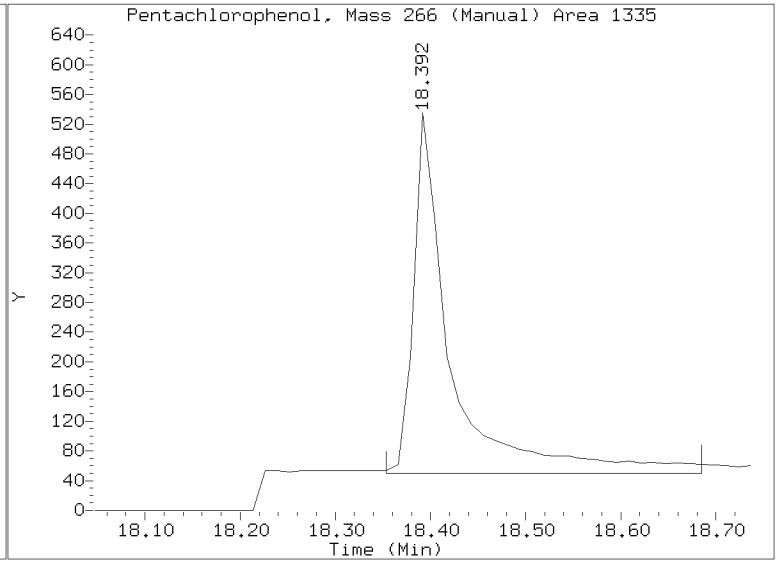
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230810.b/SIM.B/NT1708102309S.D
Injection Date: 10-AUG-2023 16:53
Lab ID:SEQ-SIM2 Client ID:
Report Date: 08/15/2023 16:33









Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT17081023105.D

Date : 10-AUG-2023 17:30

Client ID:

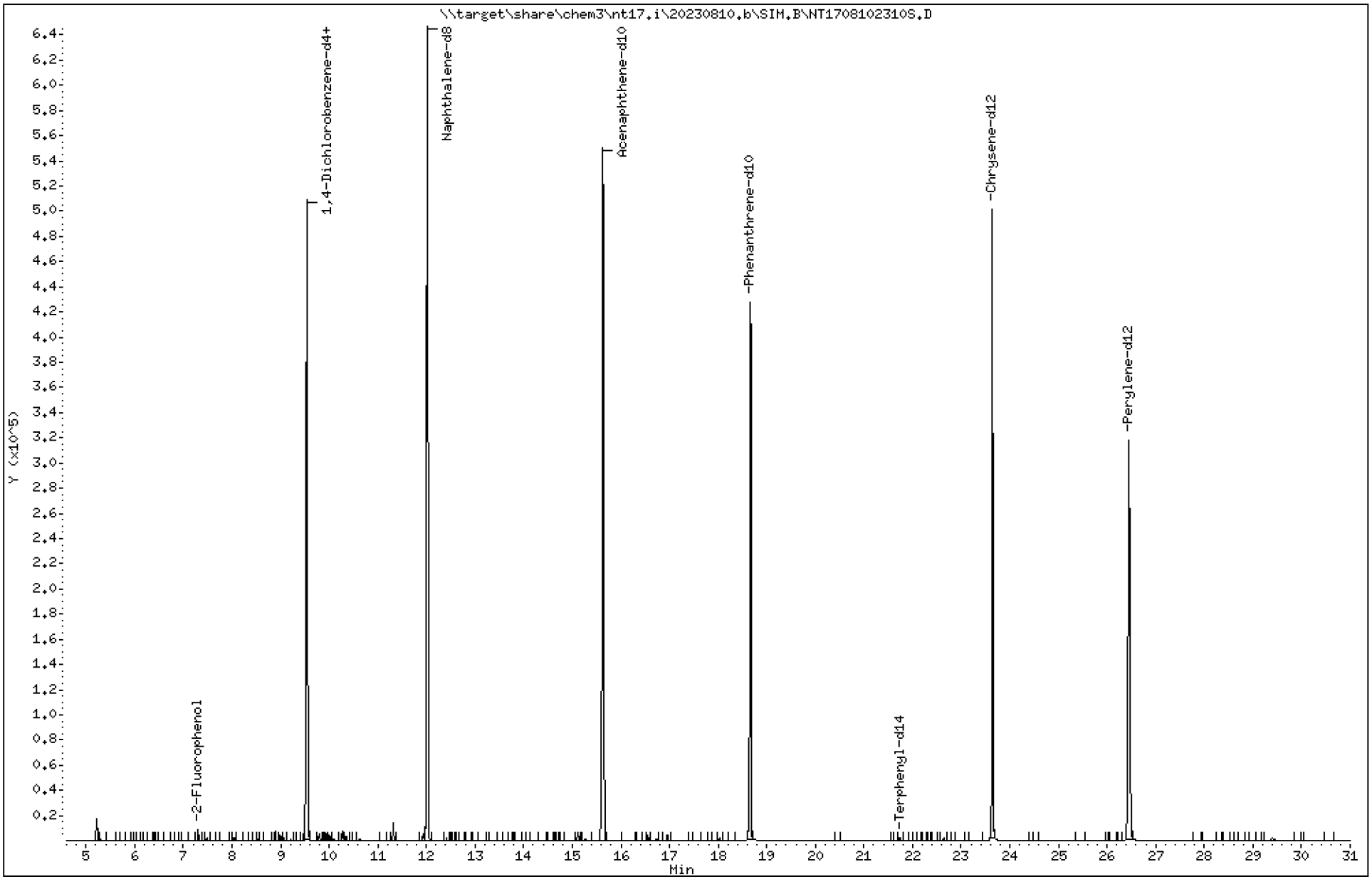
Instrument: nt17.i

Sample Info: SEQ-SIM1

Operator: JGR

Column phase: ZB-5msi

Column diameter: 0.25



ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102310S.D
Lab Smp Id: SEQ-SIM1
Inj Date : 10-AUG-2023 17:30
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-SIM1
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Meth Date : 11-Aug-2023 08:13 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

			QUANT SIG						AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1	2-Fluorophenol	112	7.311	7.298	(0.766)	8738	0.07500	0.06702(M)
	3	Phenol	94	8.890	8.891	(0.932)	9286	0.05000	0.04672
	7	1,3-Dichlorobenzene	146	9.477	9.477	(0.993)	7182	0.05000	0.05342
*	8	1,4-Dichlorobenzene-d4	152	9.541	9.541	(1.000)	313990	4.00000	
	9	1,4-Dichlorobenzene	146	9.566	9.566	(1.003)	6933	0.05000	0.05329
	11	Benzyl alcohol	79	9.796	9.796	(1.027)	6174	0.05000	0.04488
	12	1,2-Dichlorobenzene	146	9.924	9.924	(1.040)	6568	0.05000	0.05204
	13	2-Methylphenol	108	10.001	10.001	(1.048)	5213	0.05000	0.04326
	15	4-Methylphenol	108	10.269	10.269	(1.076)	5358	0.05000	0.04254
	16	N-Nitroso-di-n-propylamine	70	10.346	10.346	(1.084)	5408	0.05000	0.04199
	22	2,4-Dimethylphenol	107	11.316	11.316	(0.942)	9934	0.10000	0.08151
	24	Benzoic acid	105	Compound Not Detected.					
	26	1,2,4-Trichlorobenzene	180	11.929	11.929	(0.993)	4406	0.05000	0.05291
*	27	Naphthalene-d8	136	12.018	12.018	(1.000)	1214624	4.00000	
	30	Hexachlorobutadiene	225	12.413	12.413	(1.033)	1975	0.05000	0.05065
	39	Dimethylphthalate	163	15.117	15.117	(0.967)	7285	0.05000	0.04301
*	42	Acenaphthene-d10	162	15.627	15.627	(1.000)	521105	4.00000	
	50	Diethylphthalate	149	16.557	16.557	(1.060)	6644	0.05000	0.03773
	54	N-Nitrosodiphenylamine	169	16.965	16.965	(0.909)	4546	0.05000	0.03812
	57	Hexachlorobenzene	284	18.034	18.034	(0.967)	1949	0.05000	0.04988
	58	Pentachlorophenol	266	18.391	18.392	(0.986)	471	0.10000	0.01776(M)
*	59	Phenanthrene-d10	188	18.659	18.672	(1.000)	829562	4.00000	
$	66	Terphenyl-d14	244	21.745	21.745	(0.920)	3543	0.05000	0.04200
	67	Butylbenzylphthalate	149	22.638	22.639	(0.957)	2383	0.05000	0.01473
*	69	Chrysene-d12	240	23.646	23.646	(1.000)	609538	4.00000	
*	77	Perylene-d12	264	26.452	26.452	(1.000)	612761	4.00000	
	79	Dibenzo(a,h)anthracene	278	29.403	29.404	(1.112)	5853	0.05000	0.03234
	90	N-Nitrosodimethylamine	74	5.221	5.209	(0.547)	12690	0.10000	0.09566(M)

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102310S.D
Lab Smp Id: SEQ-SIM1
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 15:01
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	319389	159695	638778	313990	-1.69
27 Naphthalene-d8	1274686	637343	2549372	1214624	-4.71
42 Acenaphthene-d10	569885	284943	1139770	521105	-8.56
59 Phenanthrene-d10	915829	457915	1831658	829562	-9.42
69 Chrysene-d12	653460	326730	1306920	609538	-6.72
77 Perylene-d12	654887	327444	1309774	612761	-6.43

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.54	9.04	10.04	9.54	-0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	-0.00
42 Acenaphthene-d10	15.64	15.14	16.14	15.63	-0.08
59 Phenanthrene-d10	18.67	18.17	19.17	18.66	-0.07
69 Chrysene-d12	23.65	23.15	24.15	23.65	-0.00
77 Perylene-d12	26.45	25.95	26.95	26.45	-0.00

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

REVIEW SUMMARY FOR FILE - NT1708102310S.D

Lab ID: SEQ-SIM1
nt17.i, 20230810.b\SIM.B\SIMABN2.m,   10-AUG-2023 17:30

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND

NONE

RRT check based on Ccal File: SIM.B/NT1708102309S.D

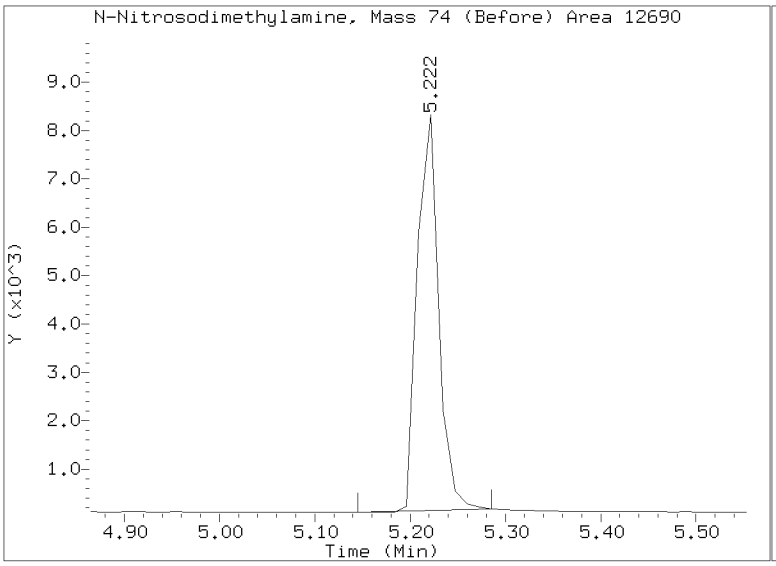
On Column LOD for nt17.i, SIM.B\SIMABN2.m, PSDDA.sub = 0.0000

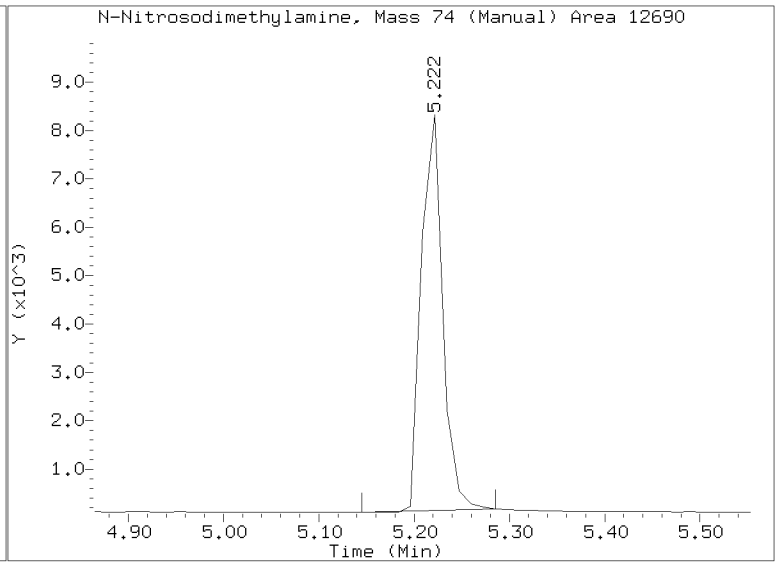
Exception: 1,2,4-Trichlorobenzene 0.0010

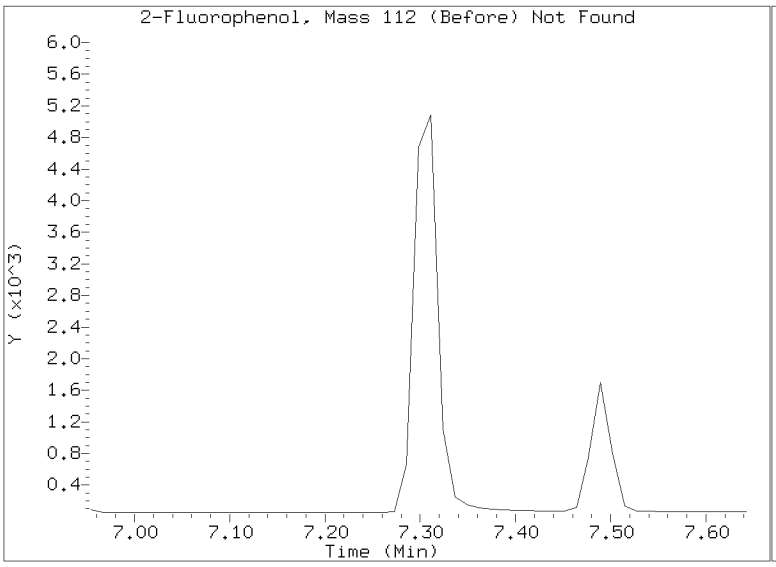
* Only compounds listed in the work order have been verified by the analyst *

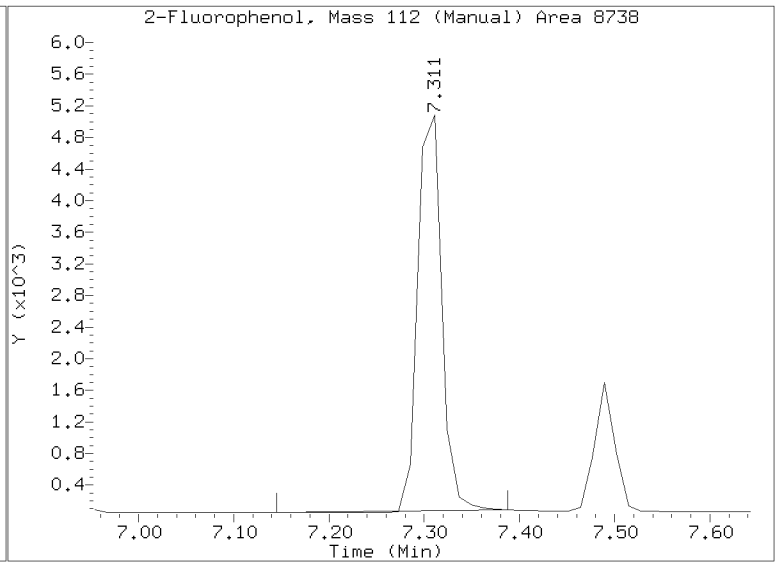
Quant Ion Manual Peak Adjustment Report

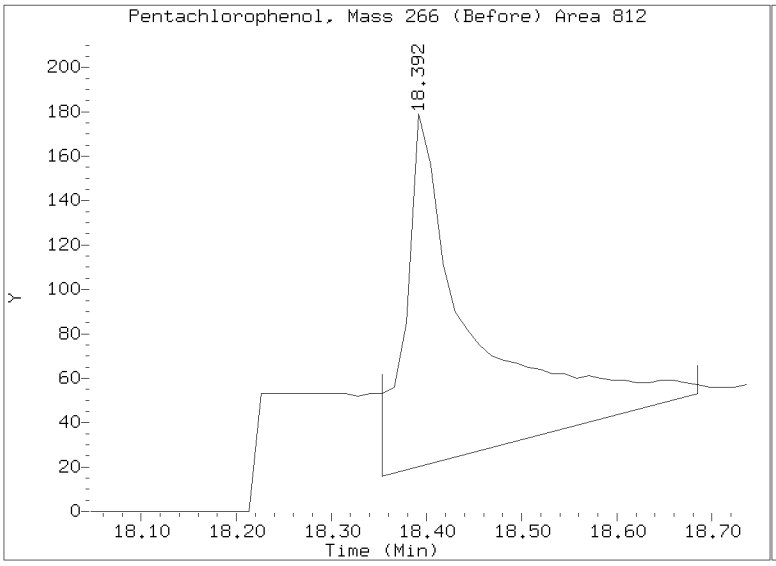
Datafile: //target/share/chem3/nt17.i/20230810.b/SIM.B/NT1708102310S.D
Injection Date: 10-AUG-2023 17:30
Lab ID:SEQ-SIM1 Client ID:
Report Date: 08/15/2023 16:33

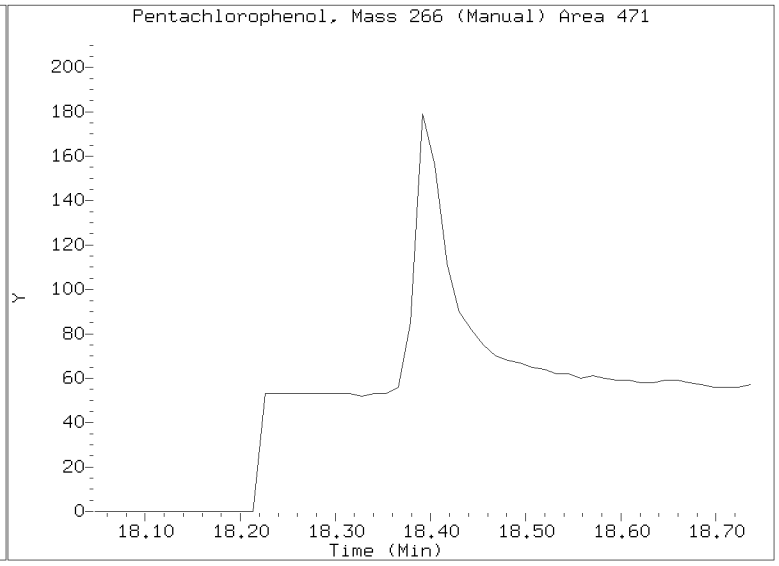












Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT17081023115.D

Date : 10-AUG-2023 18:08

Client ID:

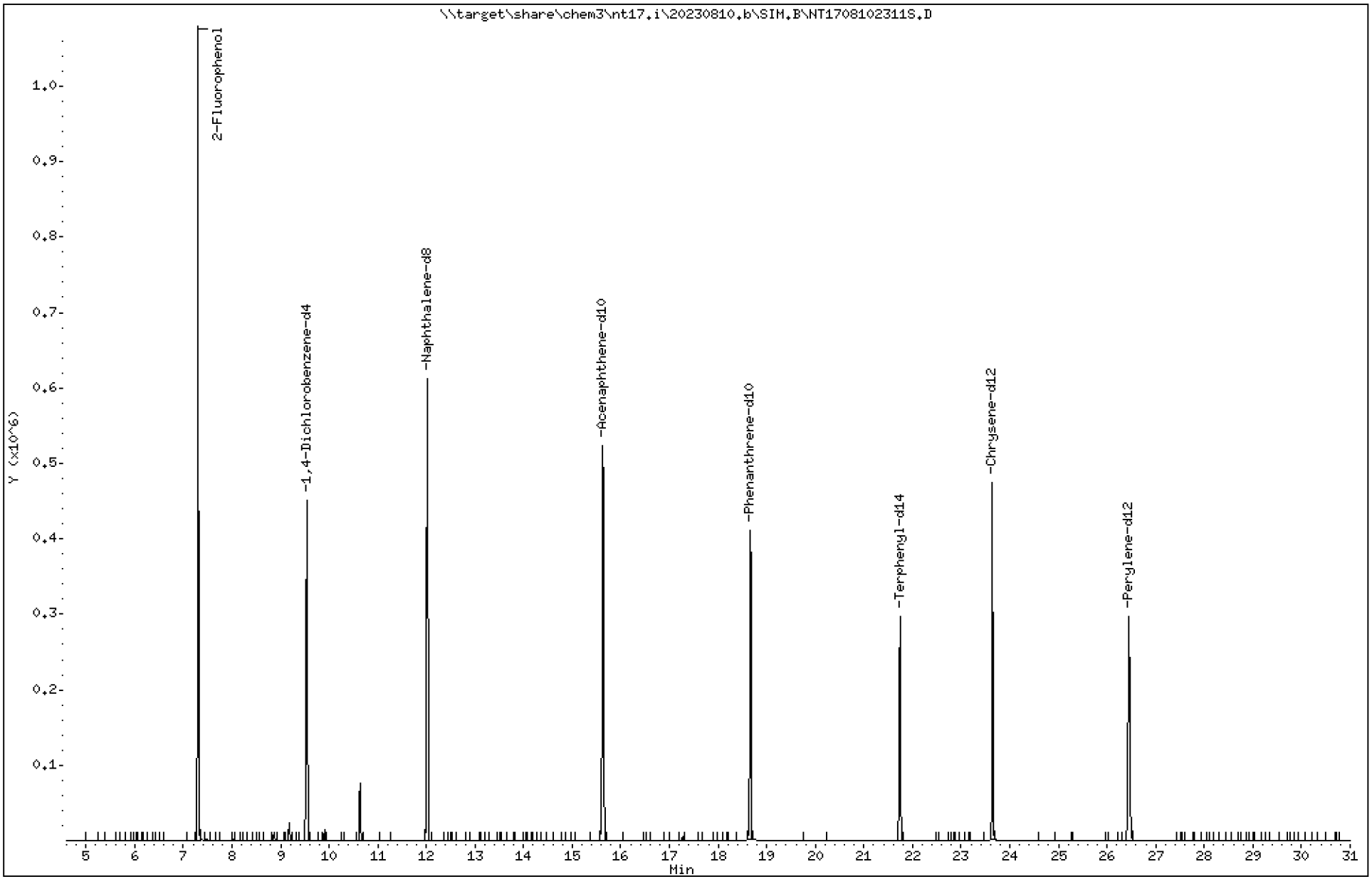
Sample Info: SEQ-ICB1

Column phase: ZB-5msi

Instrument: nt17.i

Operator: JGR

Column diameter: 0.25



ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102311S.D
Lab Smp Id: SEQ-ICB1
Inj Date : 10-AUG-2023 18:08
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-ICB1
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Meth Date : 11-Aug-2023 08:13 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

							CONCENTRATIONS		
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)	
$	1 2-Fluorophenol	112	7.298	7.298	(0.765)	884648	7.54548	7.545	(RM)
	3 Phenol	94	Compound Not Detected.						
	7 1,3-Dichlorobenzene	146	Compound Not Detected.						
*	8 1,4-Dichlorobenzene-d4	152	9.541	9.541	(1.000)	282360	4.00000		(H)
	9 1,4-Dichlorobenzene	146	Compound Not Detected.						
	11 Benzyl alcohol	79	Compound Not Detected.						
	12 1,2-Dichlorobenzene	146	Compound Not Detected.						
	13 2-Methylphenol	108	Compound Not Detected.						
	15 4-Methylphenol	108	Compound Not Detected.						
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.						
	22 2,4-Dimethylphenol	107	Compound Not Detected.						
	24 Benzoic acid	105	Compound Not Detected.						
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.						
*	27 Naphthalene-d8	136	12.018	12.018	(1.000)	1137473	4.00000		
	30 Hexachlorobutadiene	225	Compound Not Detected.						
	39 Dimethylphthalate	163	Compound Not Detected.						
*	42 Acenaphthene-d10	162	15.627	15.627	(1.000)	492085	4.00000		
	50 Diethylphthalate	149	Compound Not Detected.						
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.						
	57 Hexachlorobenzene	284	Compound Not Detected.						
	58 Pentachlorophenol	266	Compound Not Detected.						
*	59 Phenanthrene-d10	188	18.659	18.672	(1.000)	785136	4.00000		
$	66 Terphenyl-d14	244	21.745	21.745	(0.920)	405354	5.16253	5.163	(R)
	67 Butylbenzylphthalate	149	Compound Not Detected.						
*	69 Chrysene-d12	240	23.646	23.646	(1.000)	567403	4.00000		
*	77 Perylene-d12	264	26.452	26.452	(1.000)	571894	4.00000		
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.						
	90 N-Nitrosodimethylamine	74	Compound Not Detected.						

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

QC Flag Legend

H - Operator selected an alternate compound hit.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102311S.D
Lab Smp Id: SEQ-ICB1
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 15:01
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	319389	159695	638778	282360	-11.59
27 Naphthalene-d8	1274686	637343	2549372	1137473	-10.76
42 Acenaphthene-d10	569885	284943	1139770	492085	-13.65
59 Phenanthrene-d10	915829	457915	1831658	785136	-14.27
69 Chrysene-d12	653460	326730	1306920	567403	-13.17
77 Perylene-d12	654887	327444	1309774	571894	-12.67

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.54	9.04	10.04	9.54	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	0.00
42 Acenaphthene-d10	15.64	15.14	16.14	15.63	-0.08
59 Phenanthrene-d10	18.67	18.17	19.17	18.66	-0.07
69 Chrysene-d12	23.65	23.15	24.15	23.65	0.00
77 Perylene-d12	26.45	25.95	26.95	26.45	0.00

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

REVIEW SUMMARY FOR FILE - NT1708102311S.D

Lab ID: SEQ-ICB1
nt17.i, 20230810.b\SIM.B\SIMABN2.m,   10-AUG-2023 18:08

RT	CO-ELUTION COMPOUNDS
NO CO-ELUTIONS	

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
NONE			

RRT check based on Ccal File: SIM.B/NT1708102309S.D

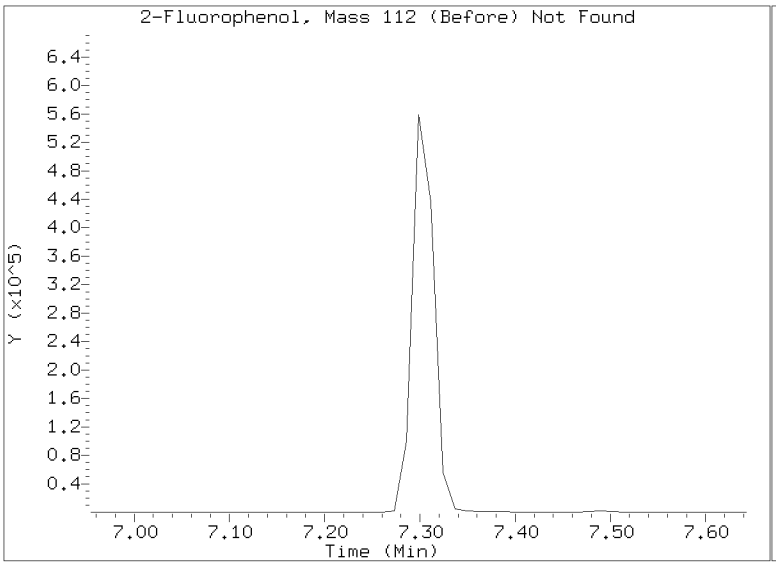
On Column LOD for nt17.i, SIM.B\SIMABN2.m, PSDDA.sub = 0.0000

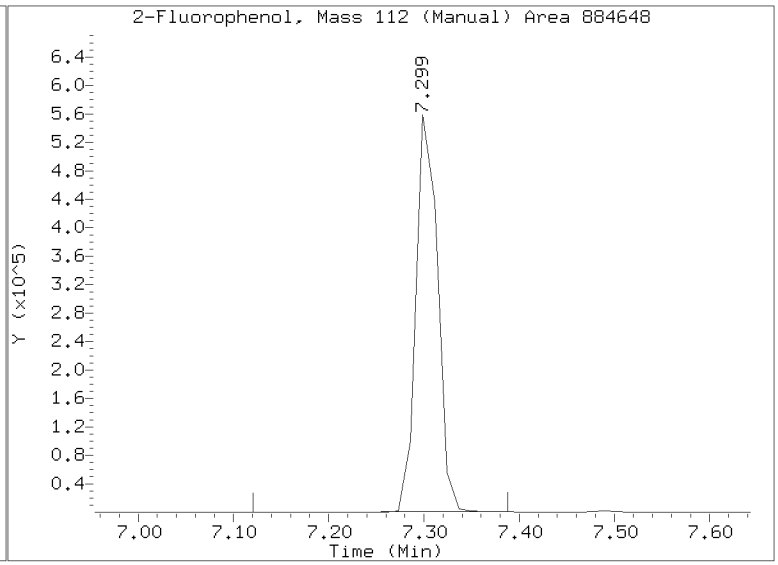
Exception: 1,2,4-Trichlorobenzene 0.0010

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

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230810.b/SIM.B/NT1708102311S.D
Injection Date: 10-AUG-2023 18:08
Lab ID:SEQ-ICB1 Client ID:
Report Date: 08/15/2023 16:33





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Date : 10-AUG-2023 18:45

Client ID:

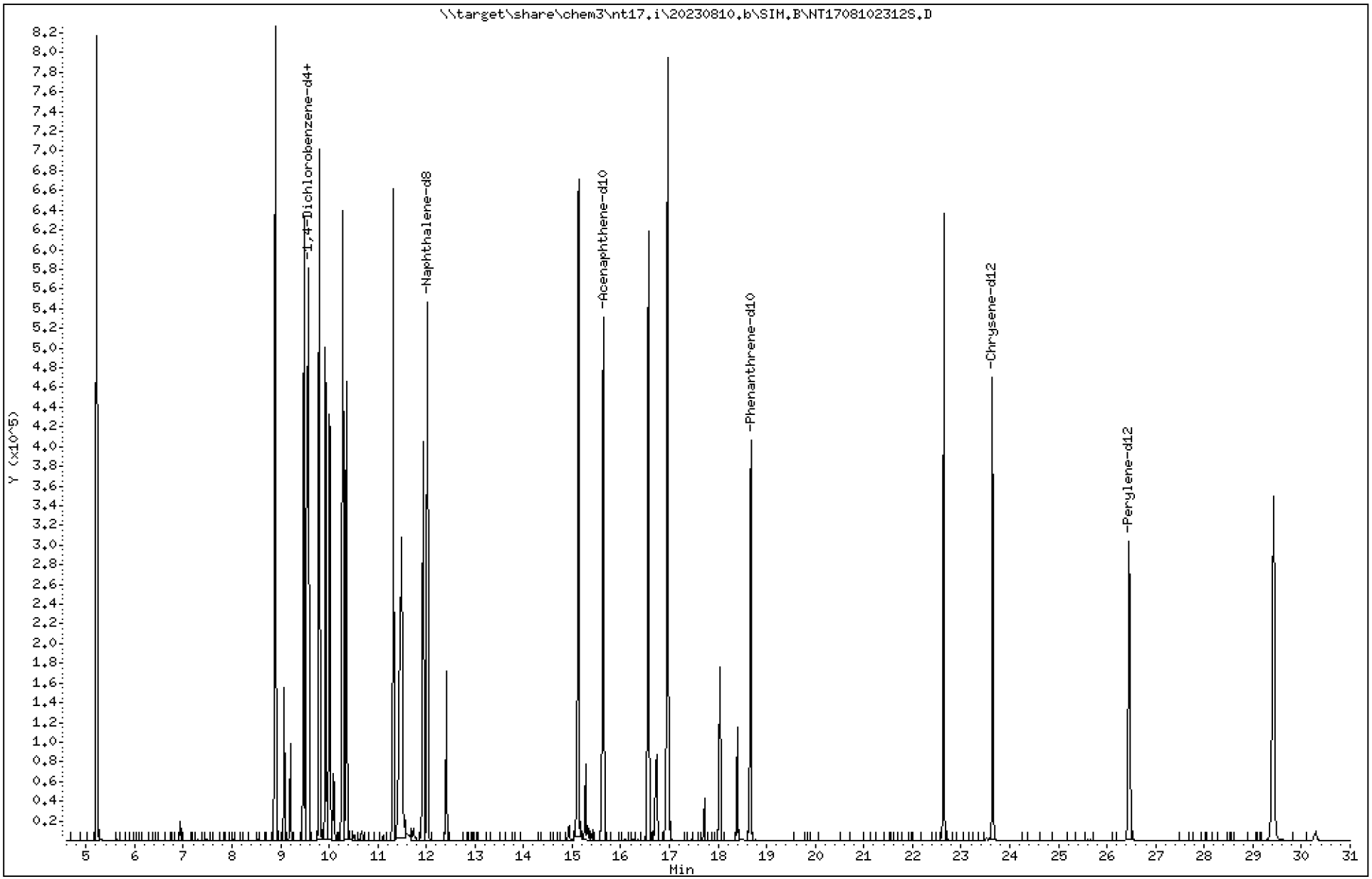
Sample Info: SEQ-SCV1

Column phase: ZB-5msi

Instrument: nt17.i

Operator: JGR

Column diameter: 0.25



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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

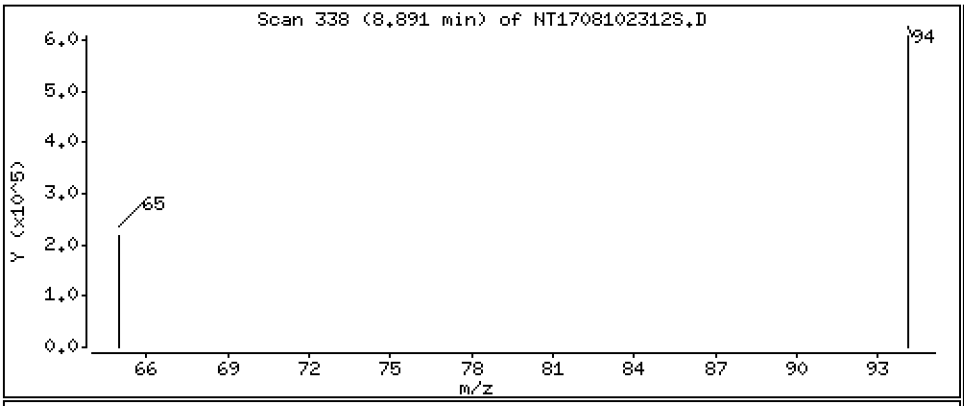
Operator: JGR

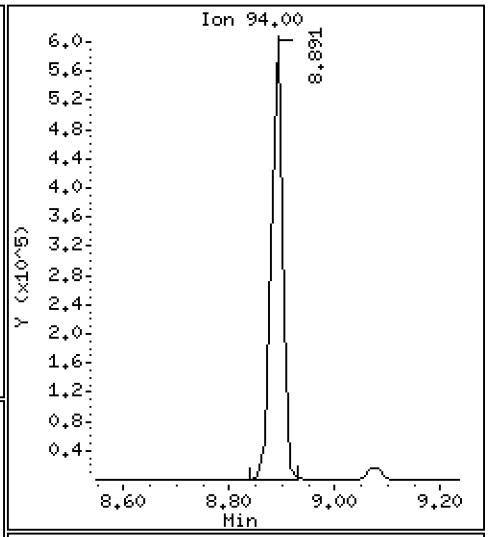
Column phase: ZB-5msi

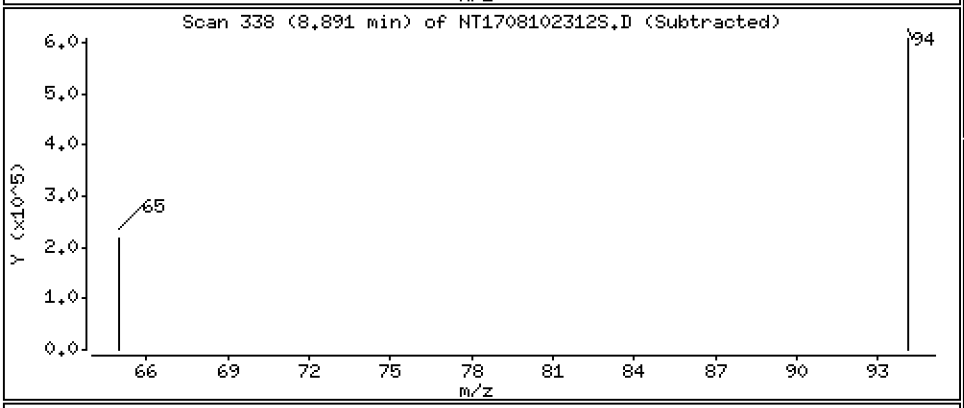
Column diameter: 0.25

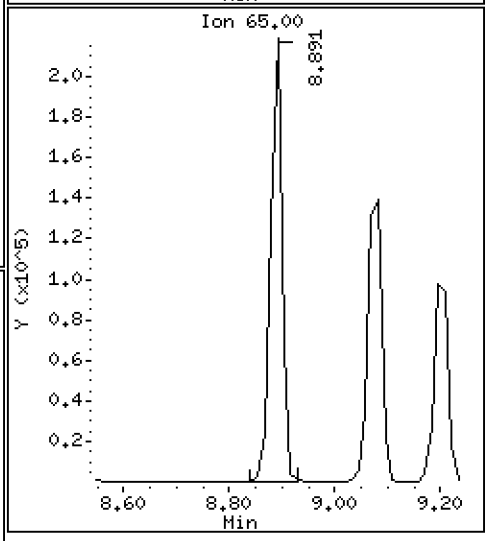
3 Phenol

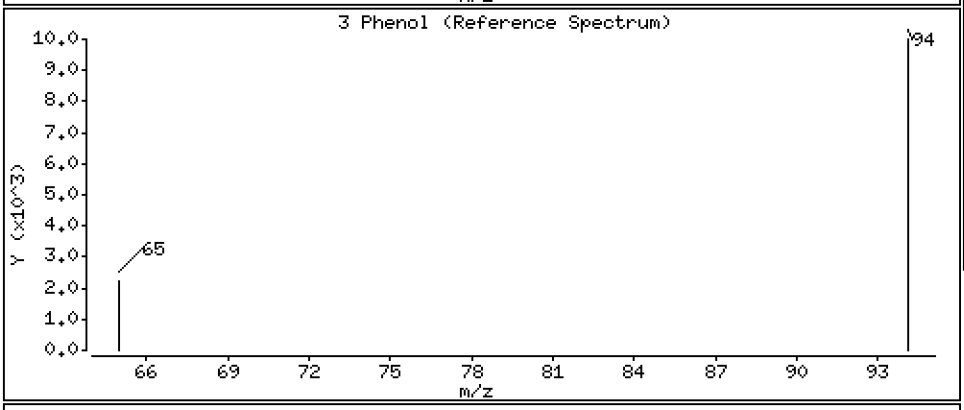
Concentration: 5.502 ug/mL

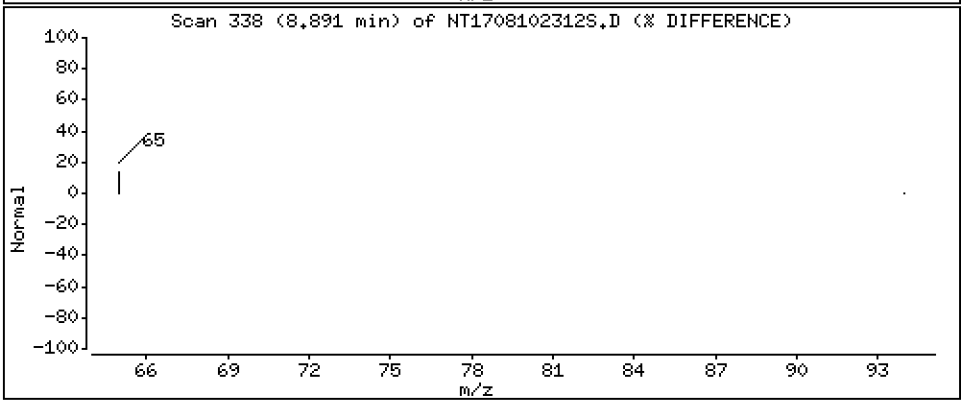












Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT17081023125.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

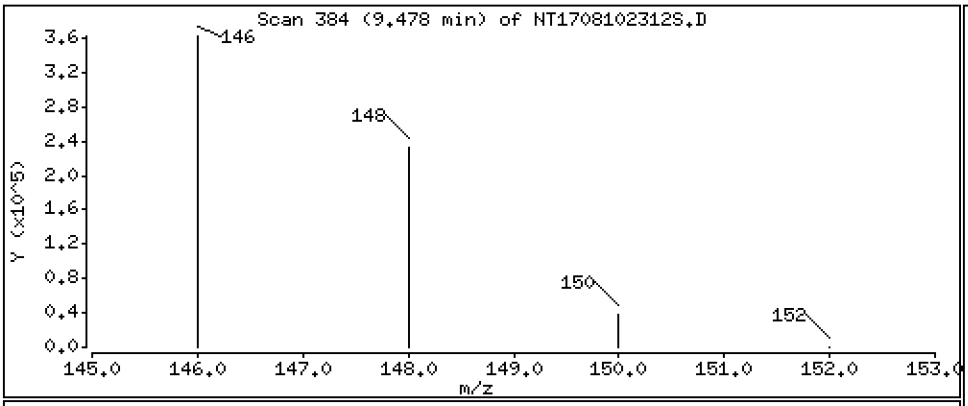
Operator: JGR

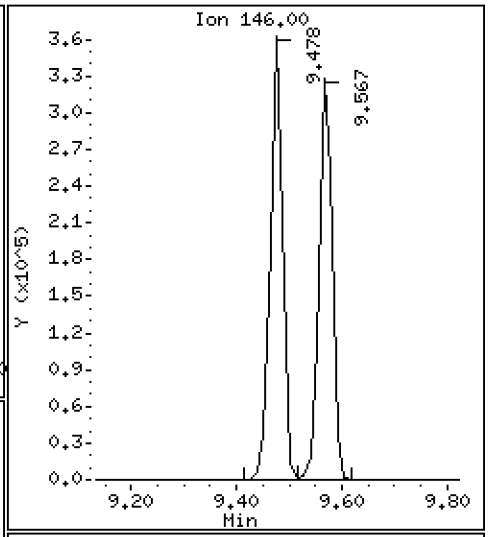
Column phase: ZB-5msi

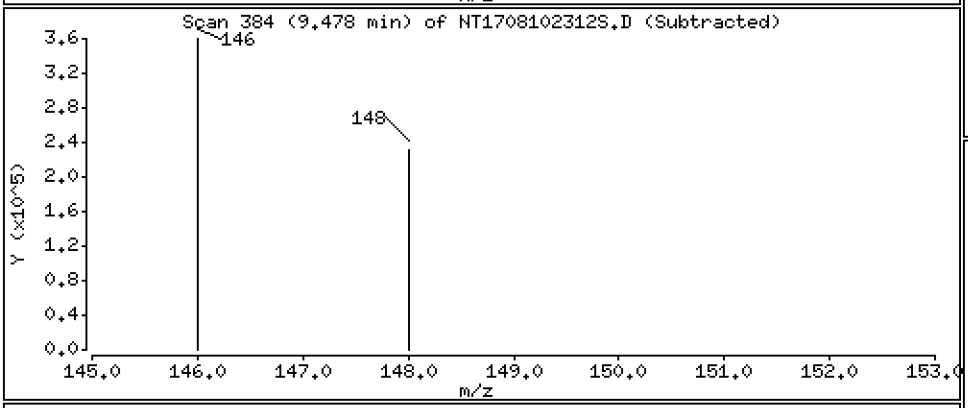
Column diameter: 0.25

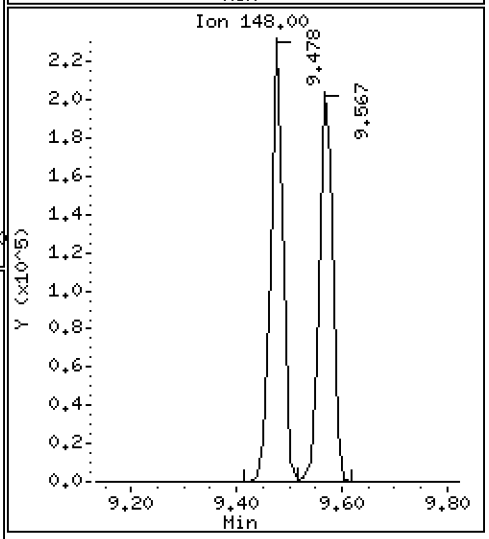
7 1,3-Dichlorobenzene

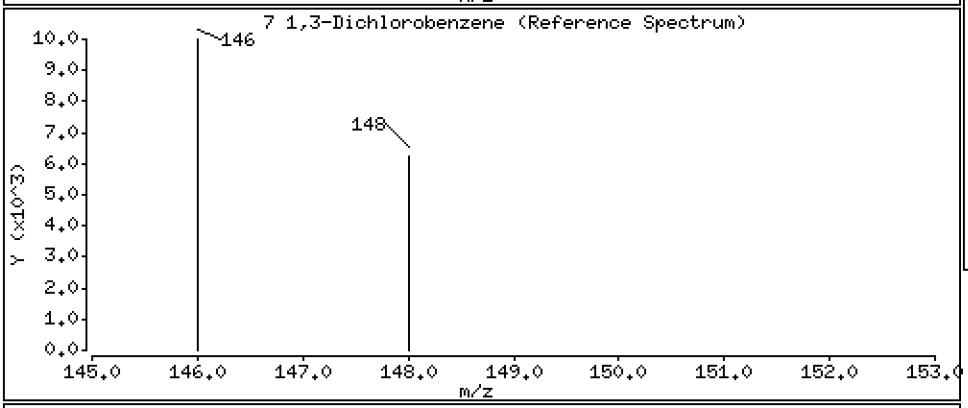
Concentration: 5.156 ug/mL

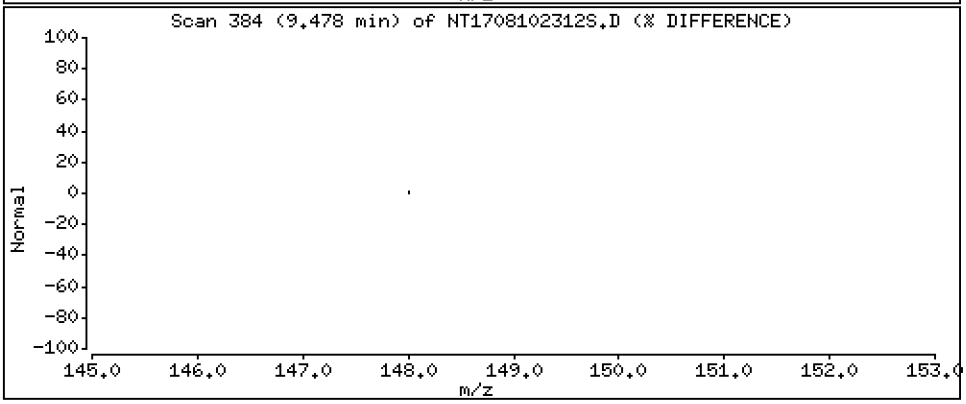












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

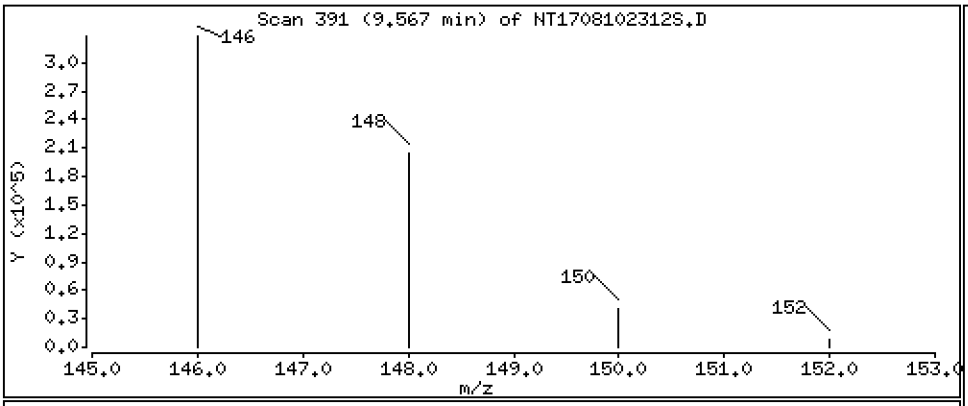
Operator: JGR

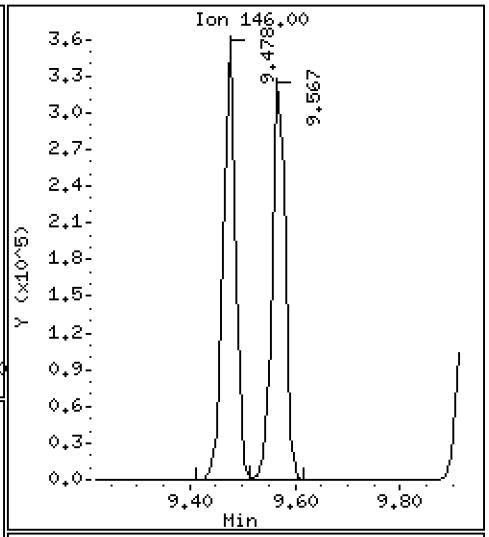
Column phase: ZB-5msi

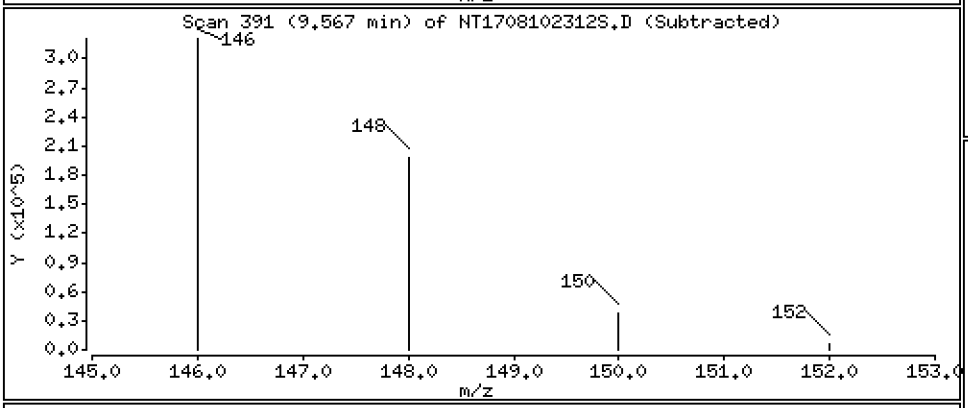
Column diameter: 0.25

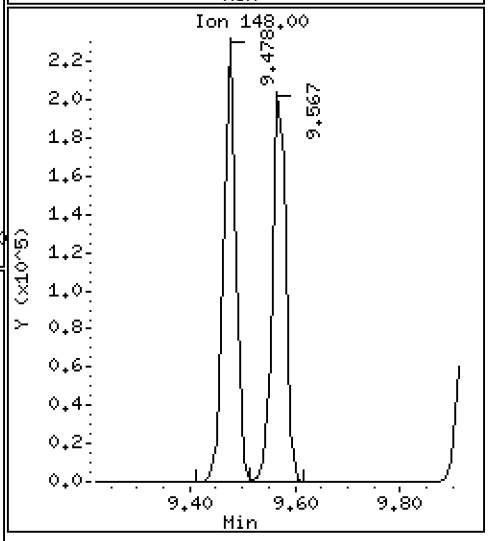
9 1,4-Dichlorobenzene

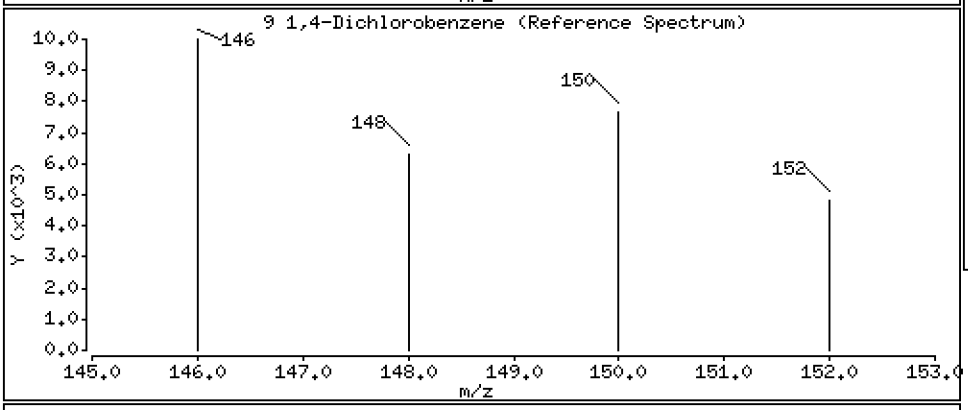
Concentration: 5.169 ug/mL

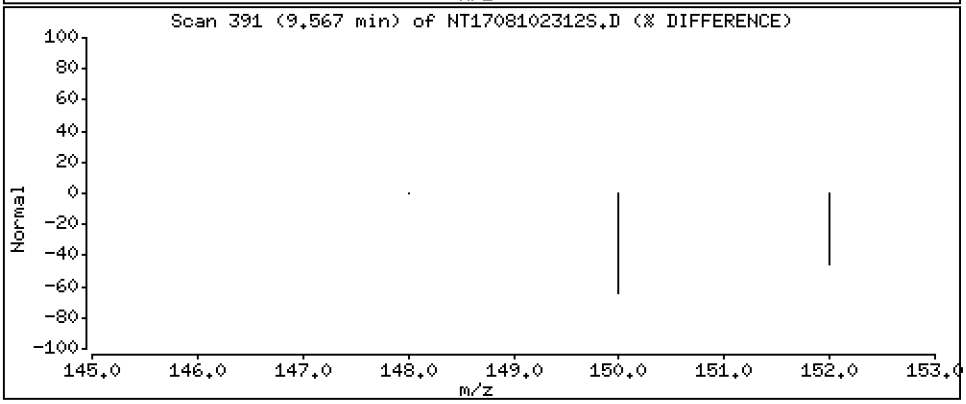












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

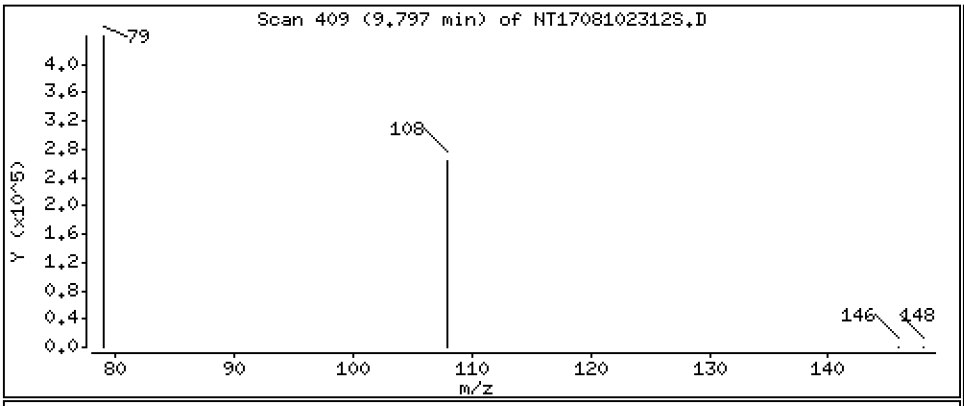
Operator: JGR

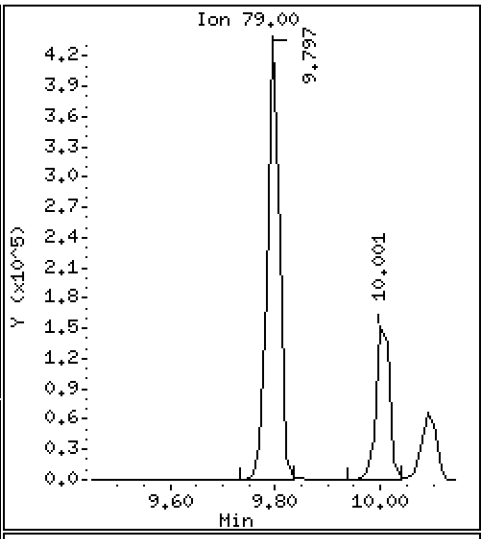
Column phase: ZB-5msi

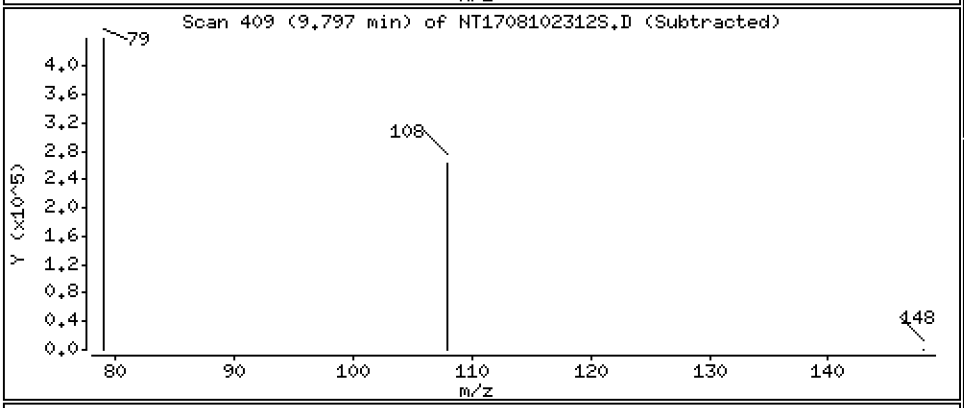
Column diameter: 0.25

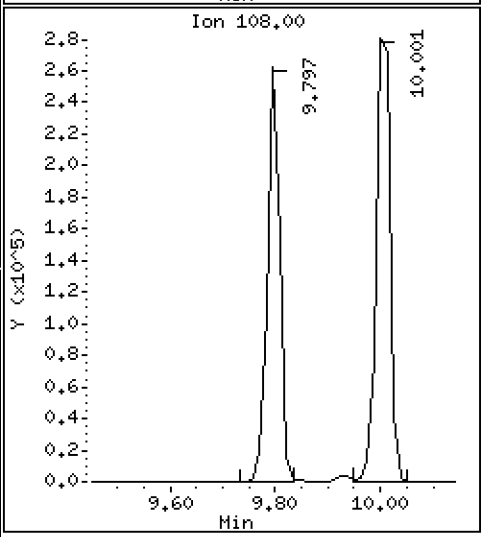
11 Benzyl alcohol

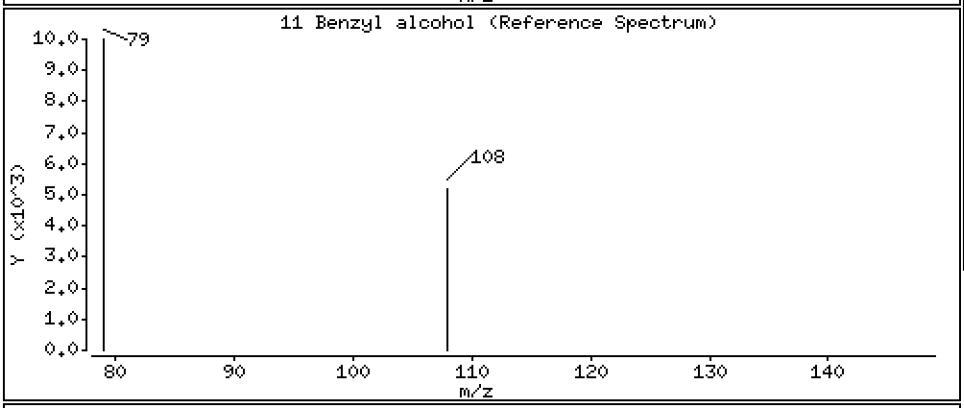
Concentration: 6.052 ug/mL

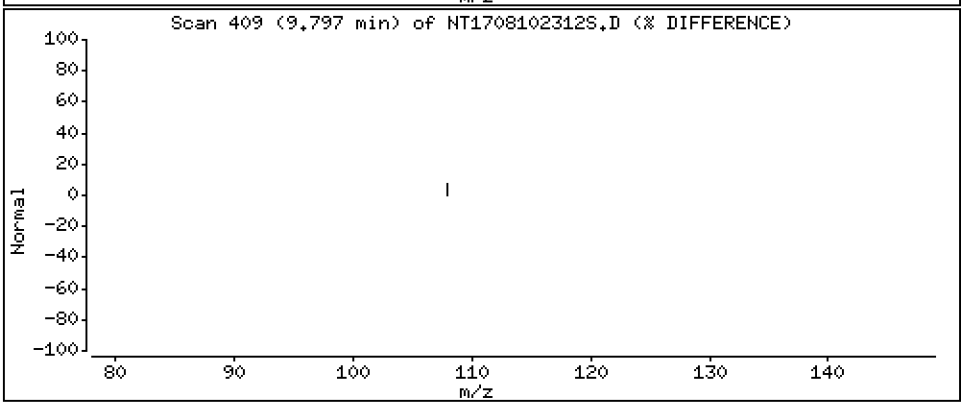












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

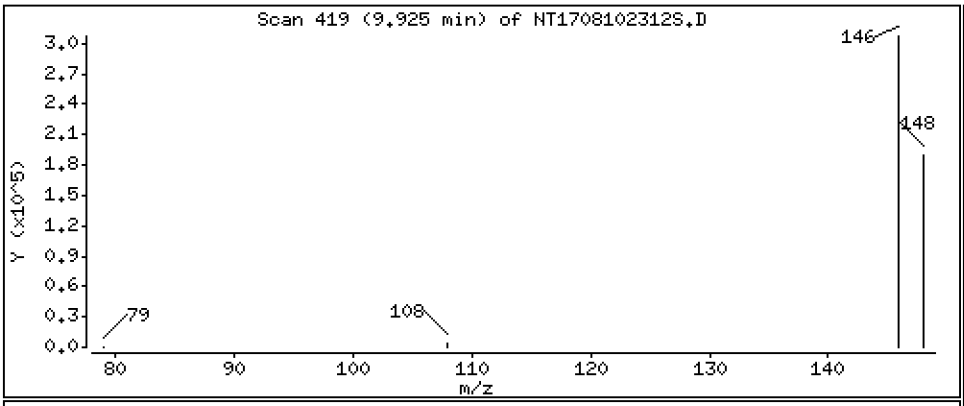
Operator: JGR

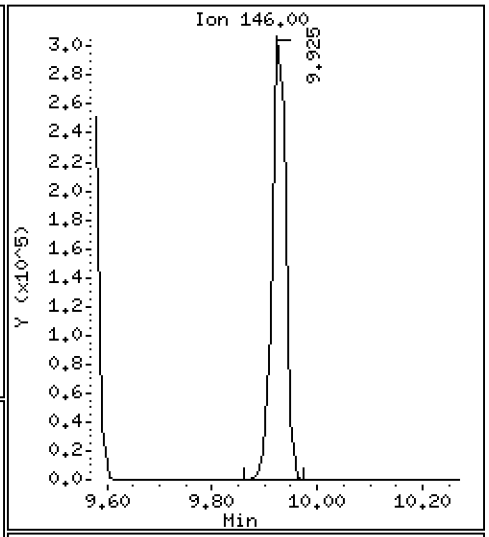
Column phase: ZB-5msi

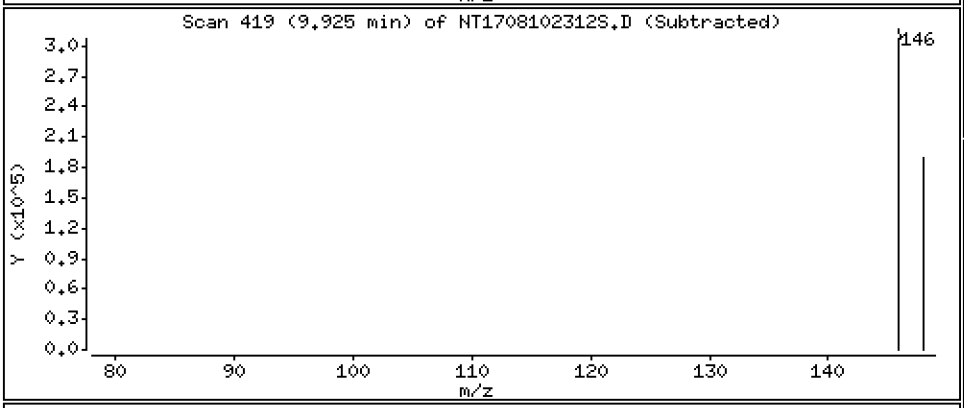
Column diameter: 0.25

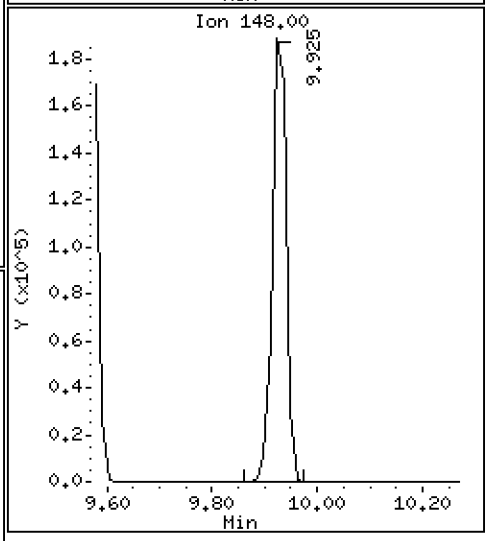
12 1,2-Dichlorobenzene

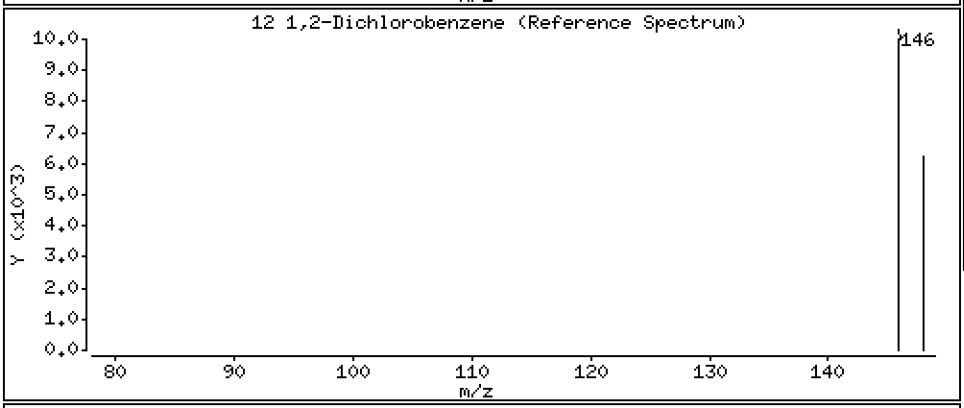
Concentration: 5.216 ug/mL

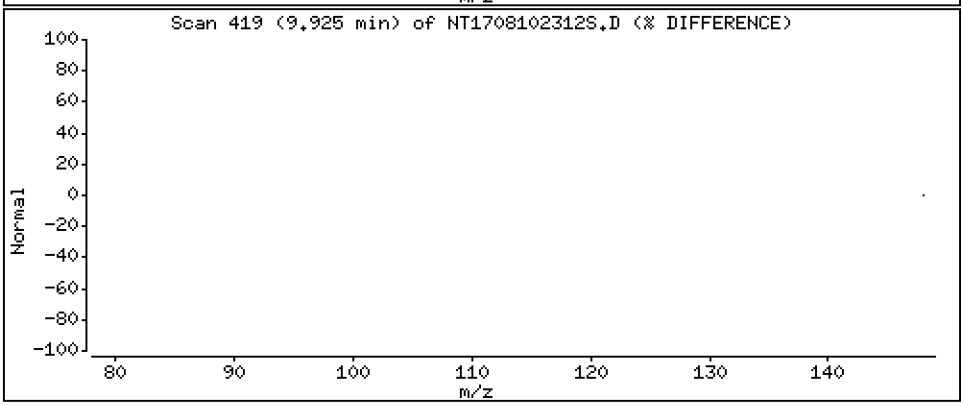












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

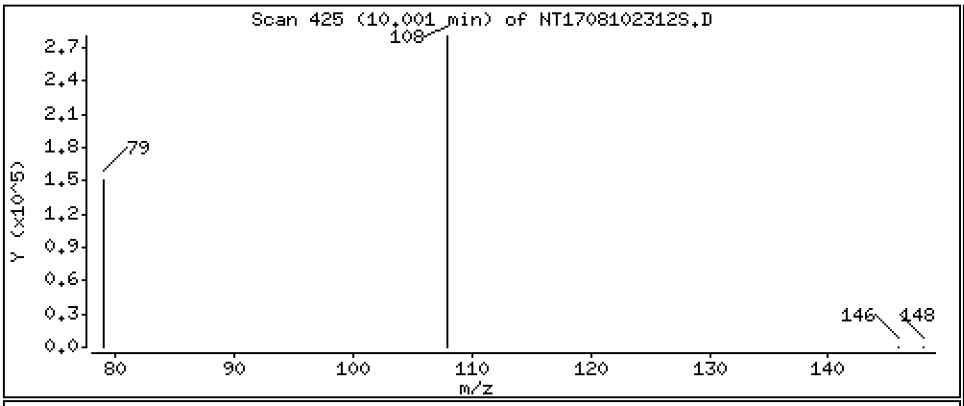
Operator: JGR

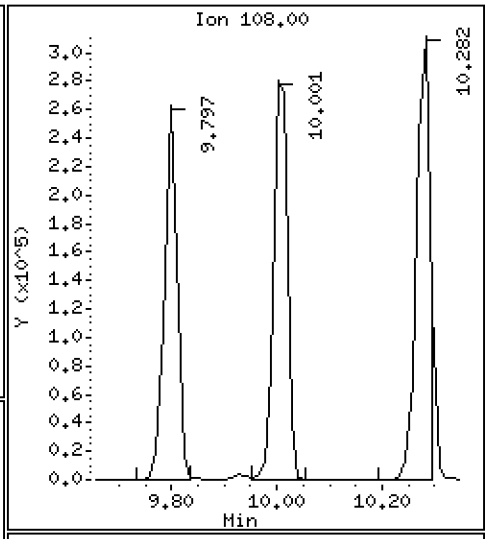
Column phase: ZB-5msi

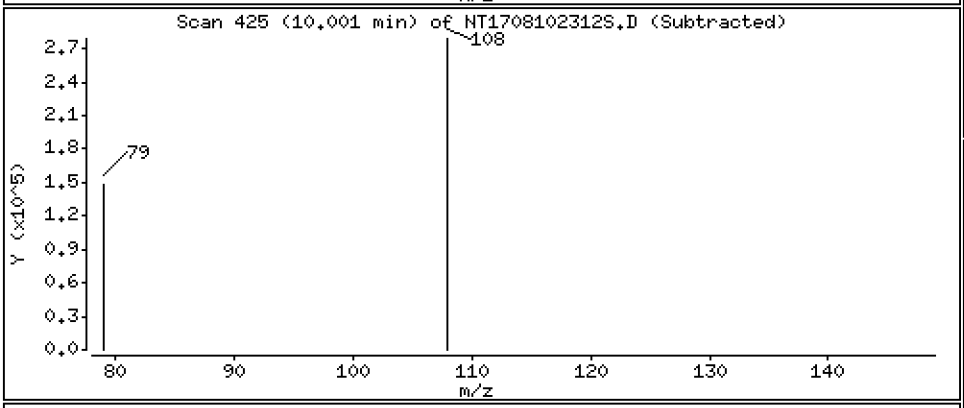
Column diameter: 0.25

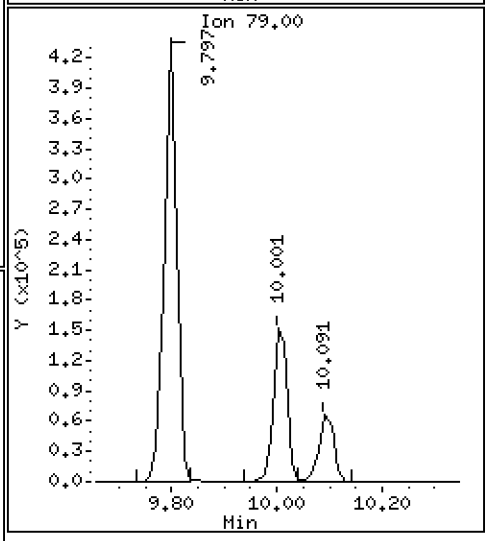
13 2-Methylphenol

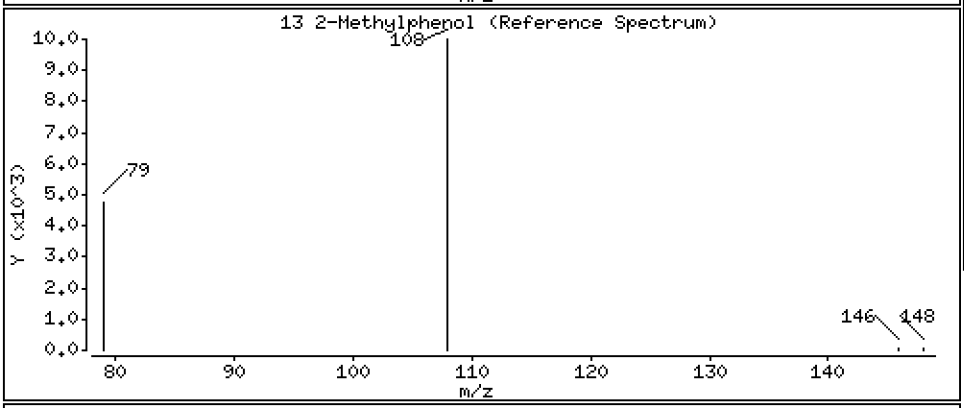
Concentration: 5.112 ug/mL

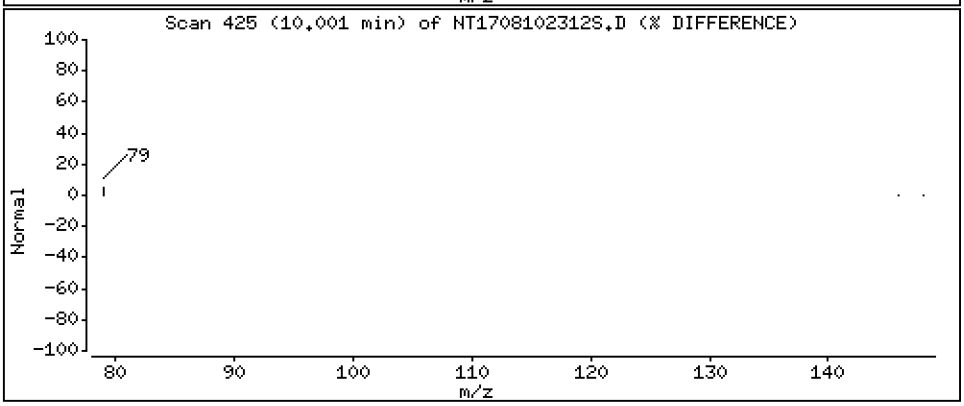












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

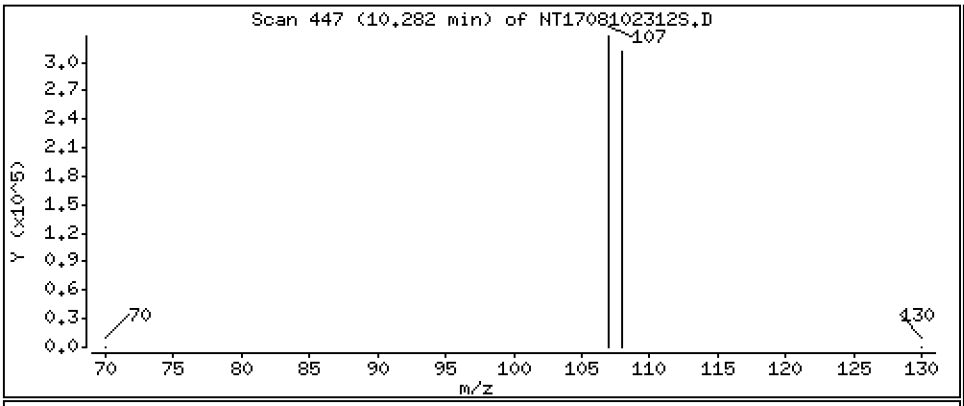
Operator: JGR

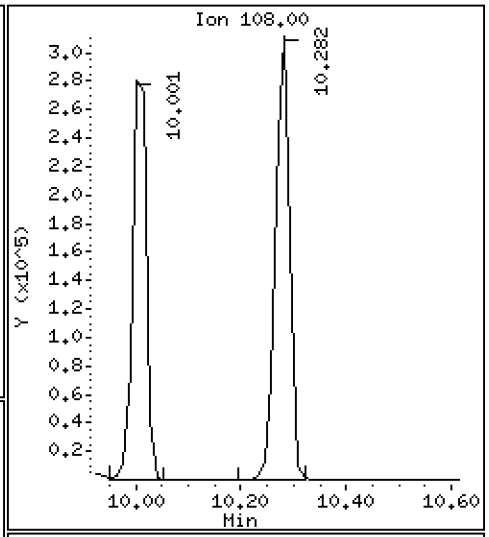
Column phase: ZB-5msi

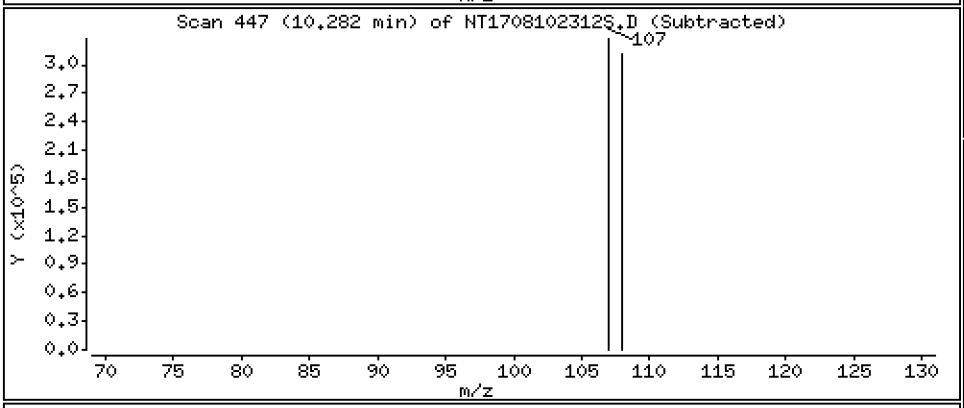
Column diameter: 0.25

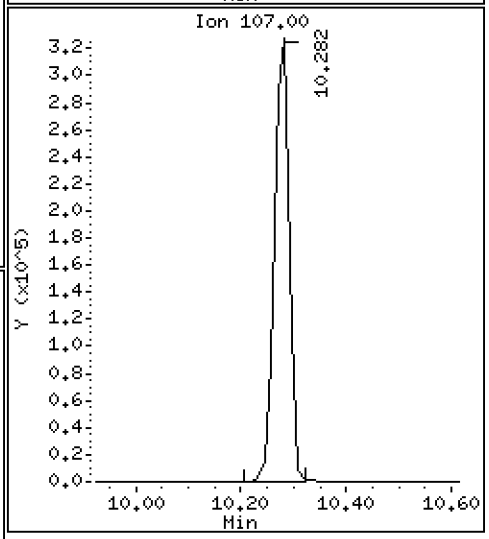
15 4-Methylphenol

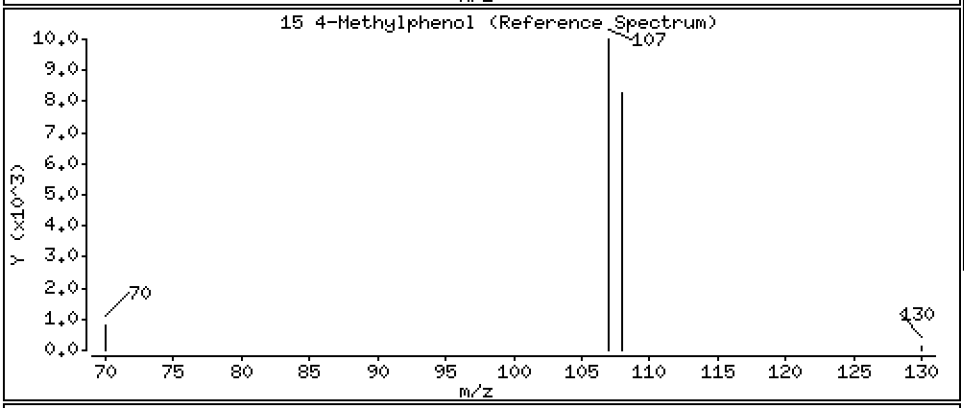
Concentration: 5.491 ug/mL

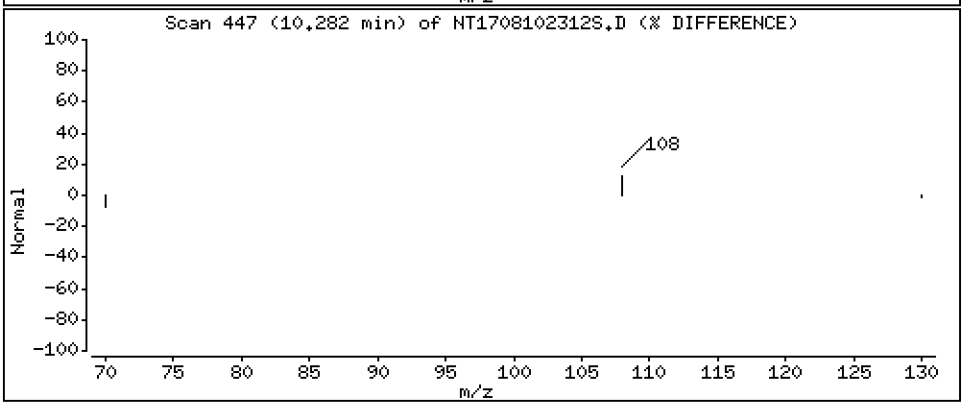












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

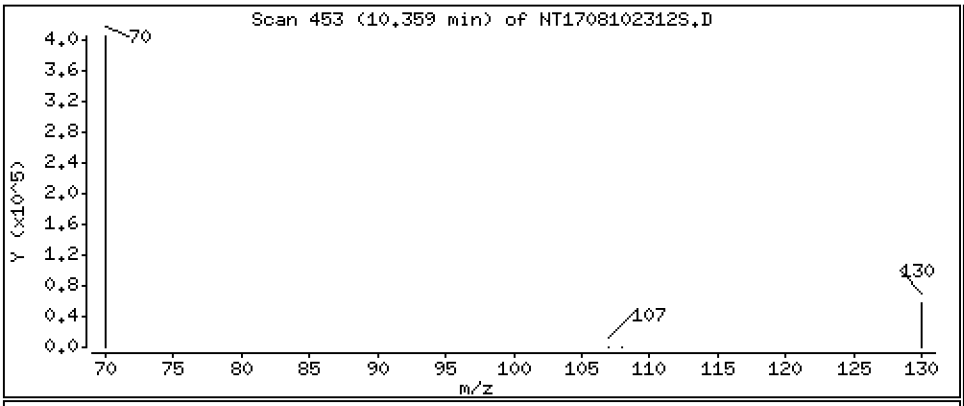
Operator: JGR

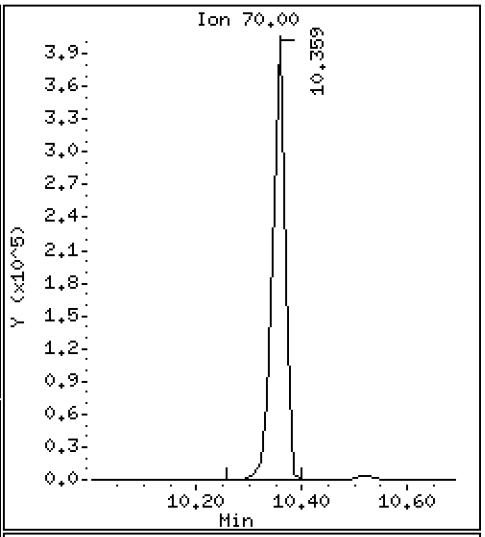
Column phase: ZB-5msi

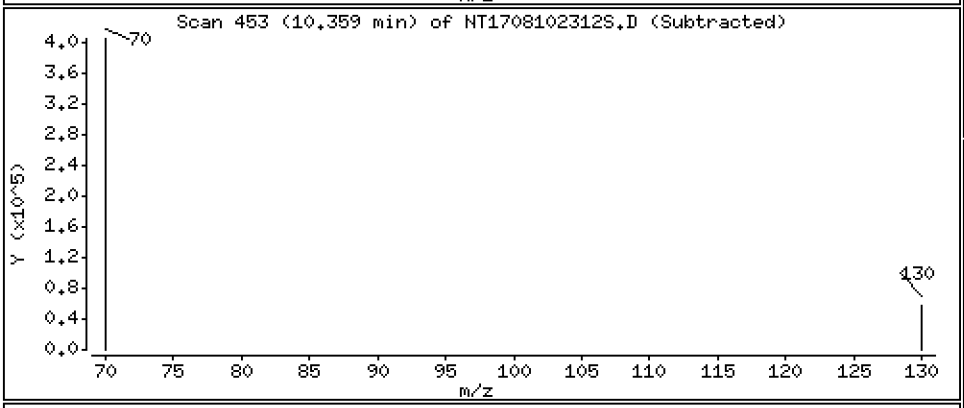
Column diameter: 0.25

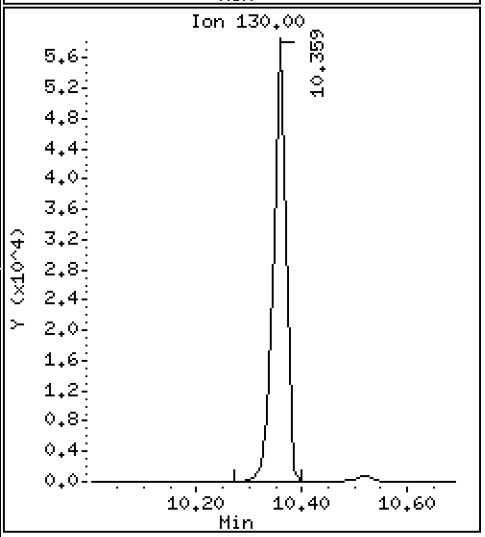
16 N-Nitroso-di-n-propylamine

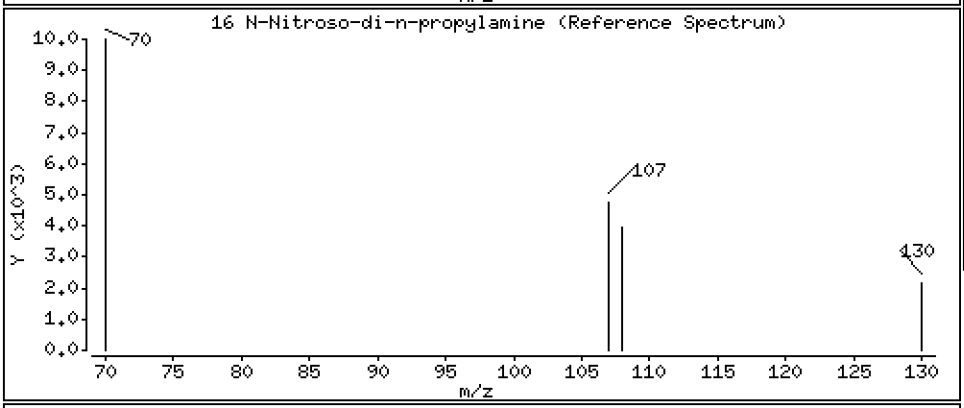
Concentration: 6.171 ug/mL

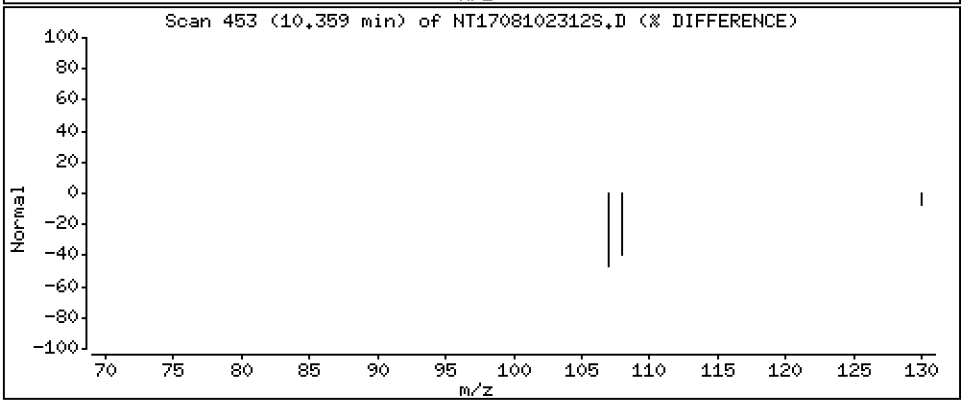












Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

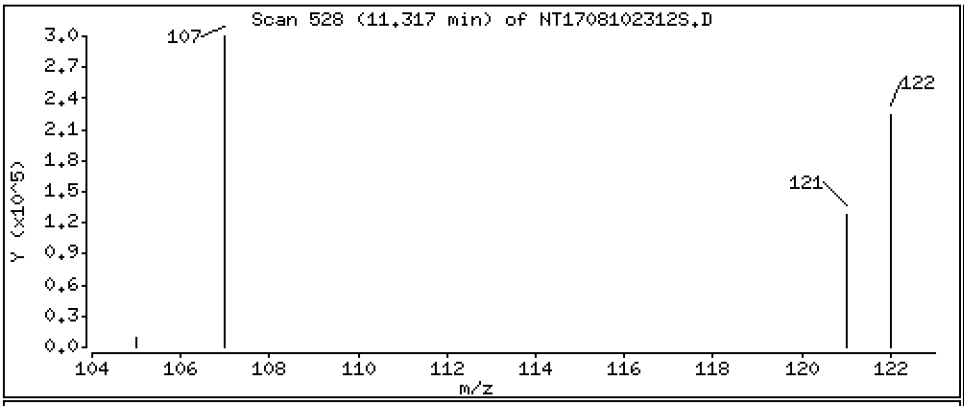
Operator: JGR

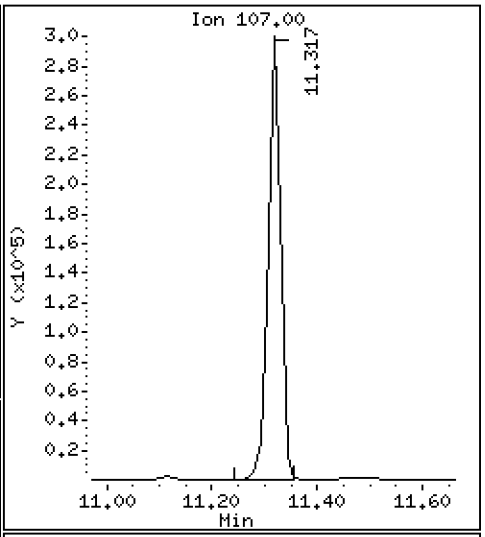
Column phase: ZB-5msi

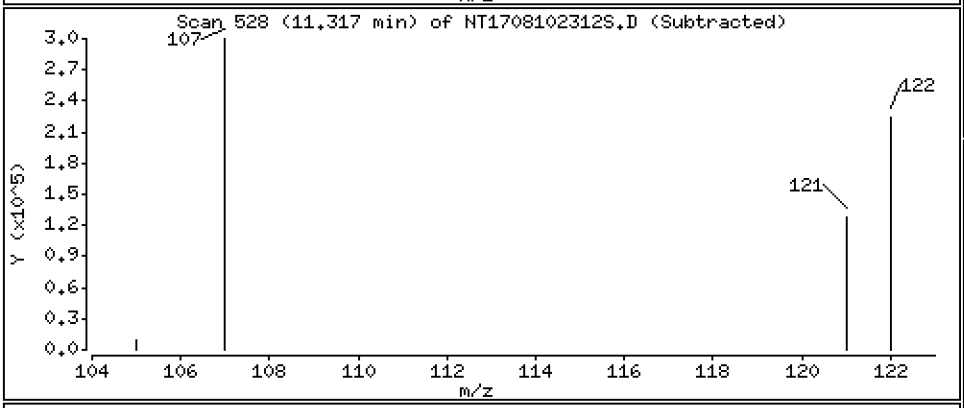
Column diameter: 0.25

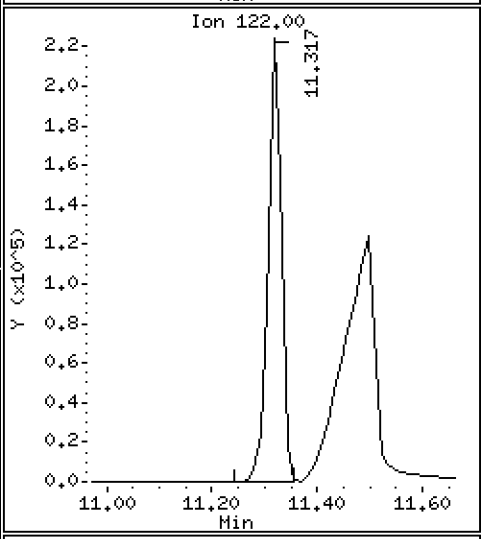
22 2,4-Dimethylphenol

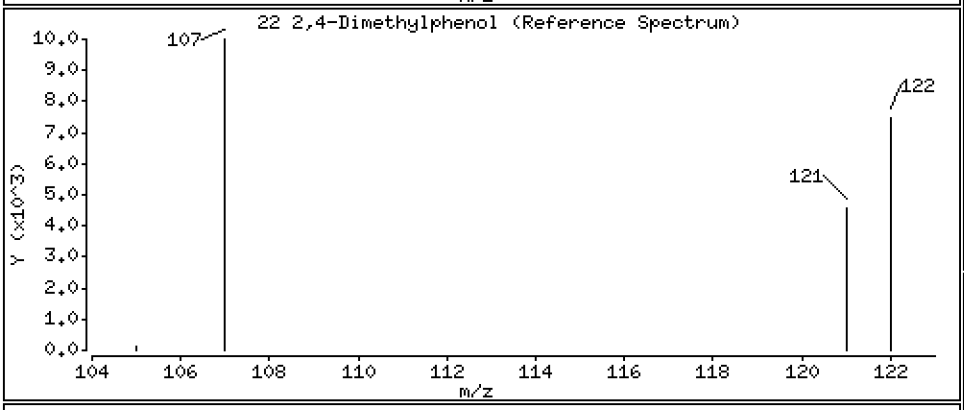
Concentration: 4.520 ug/mL

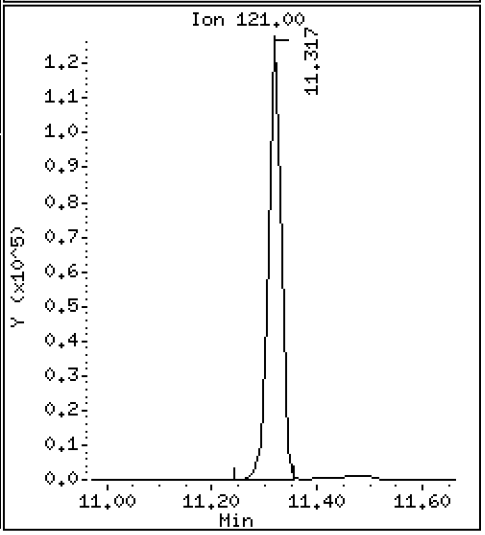


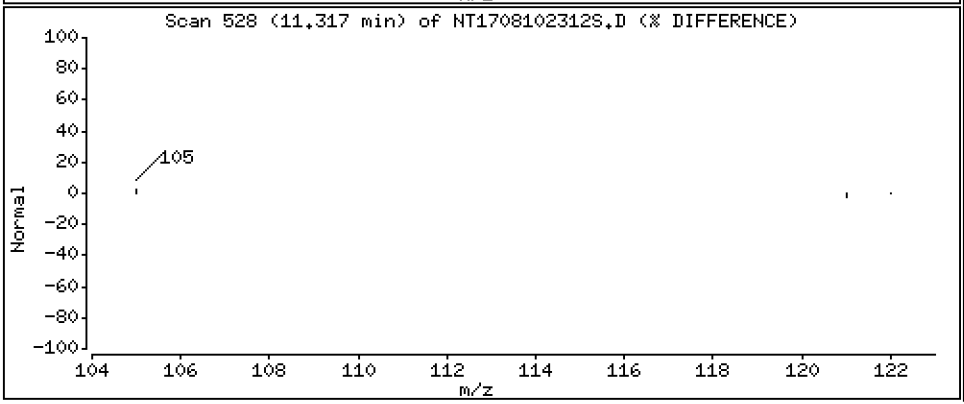












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

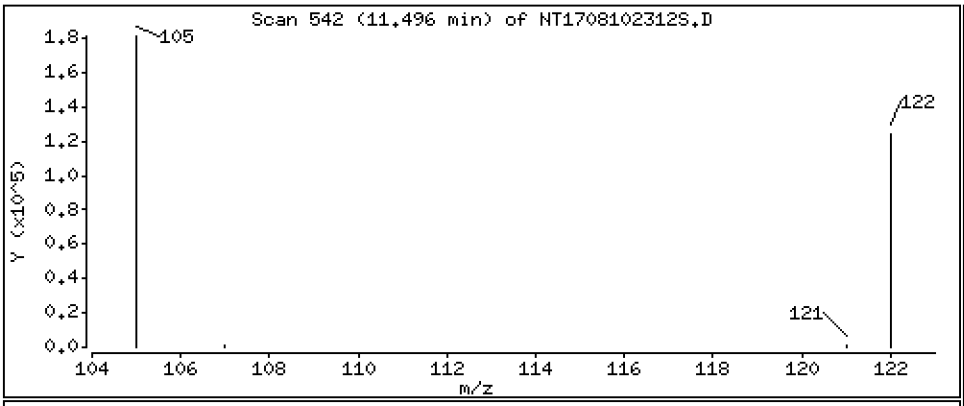
Operator: JGR

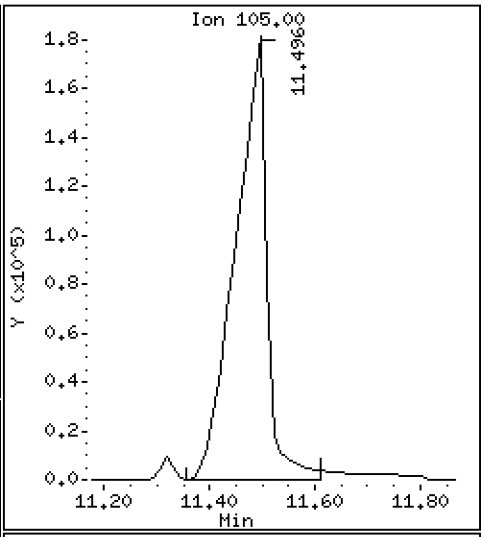
Column phase: ZB-5msi

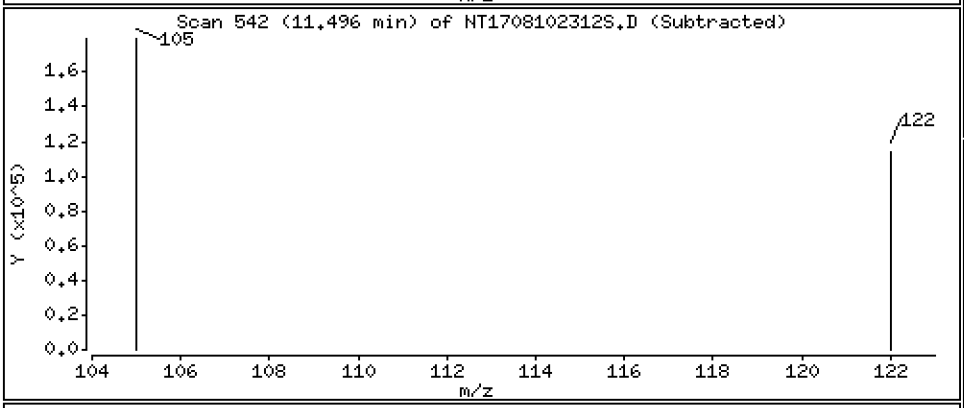
Column diameter: 0.25

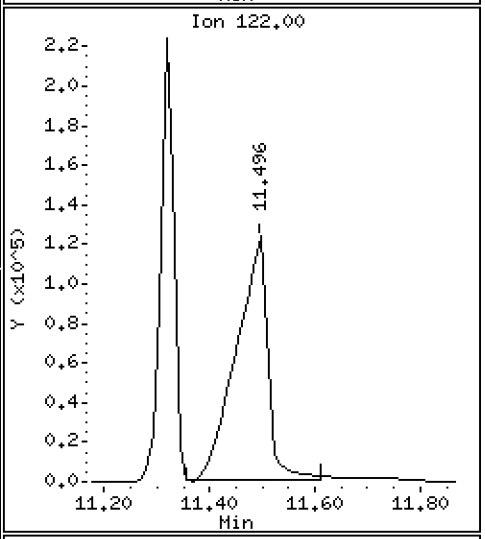
24 Benzoic acid

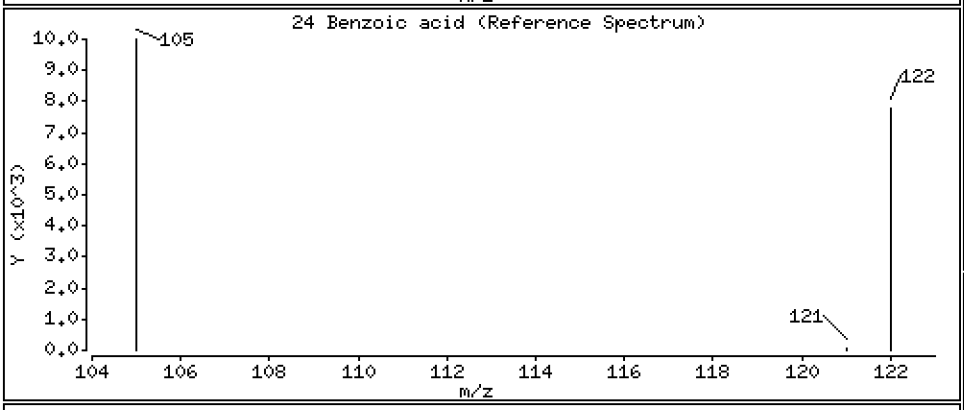
Concentration: 9.959 ug/mL

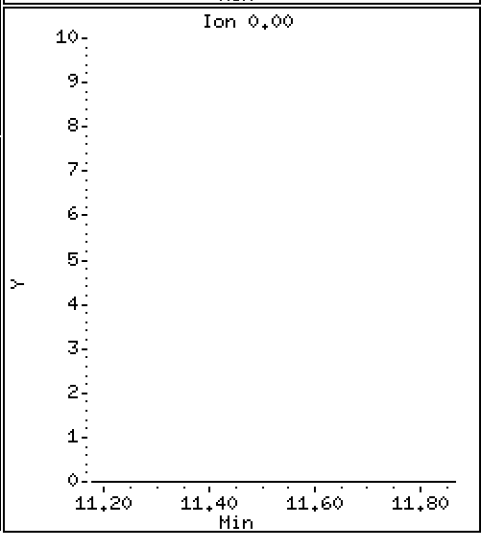


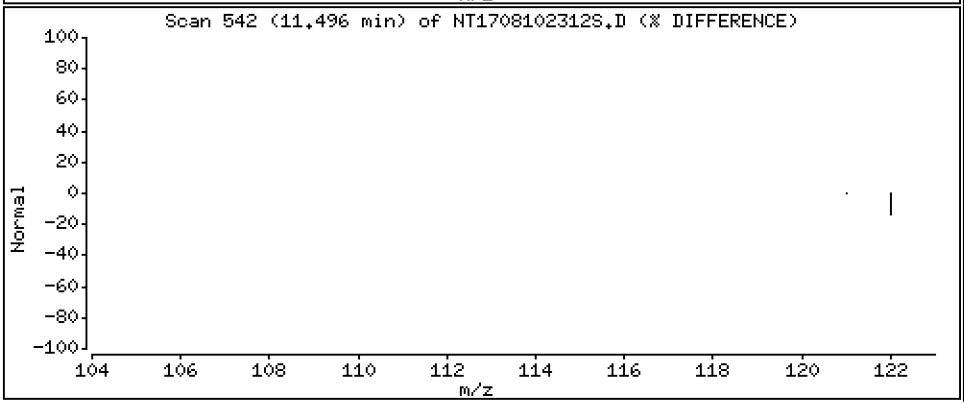












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Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

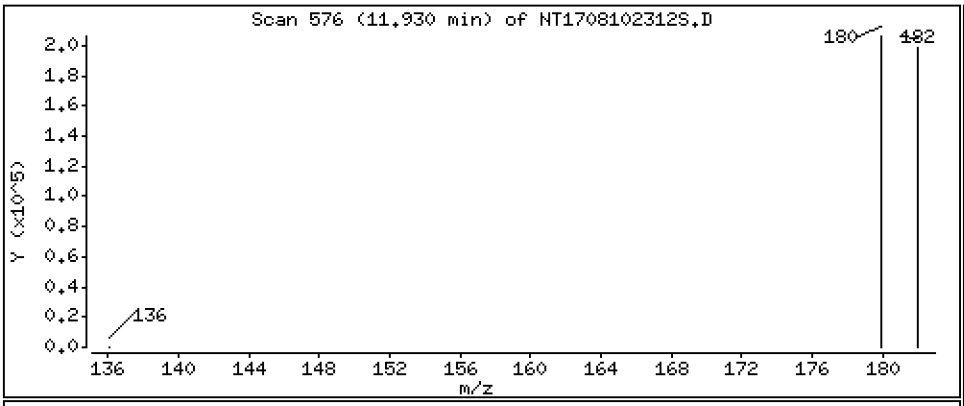
Operator: JGR

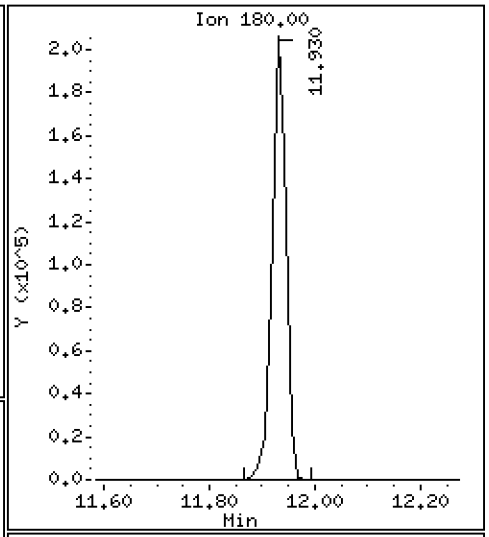
Column phase: ZB-5msi

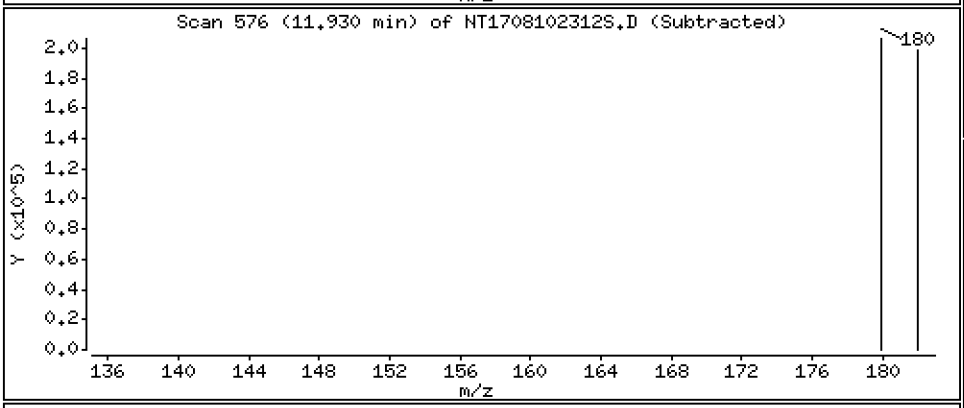
Column diameter: 0.25

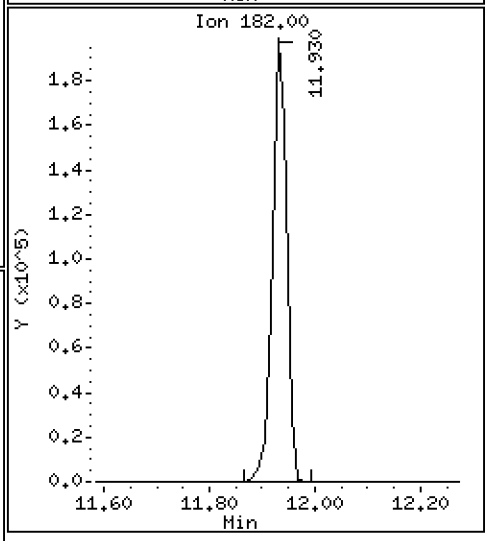
26 1,2,4-Trichlorobenzene

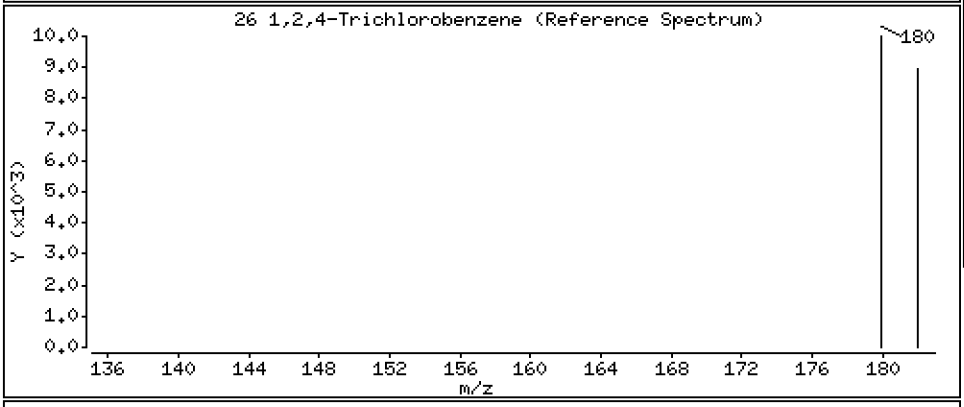
Concentration: 5.028 ug/mL

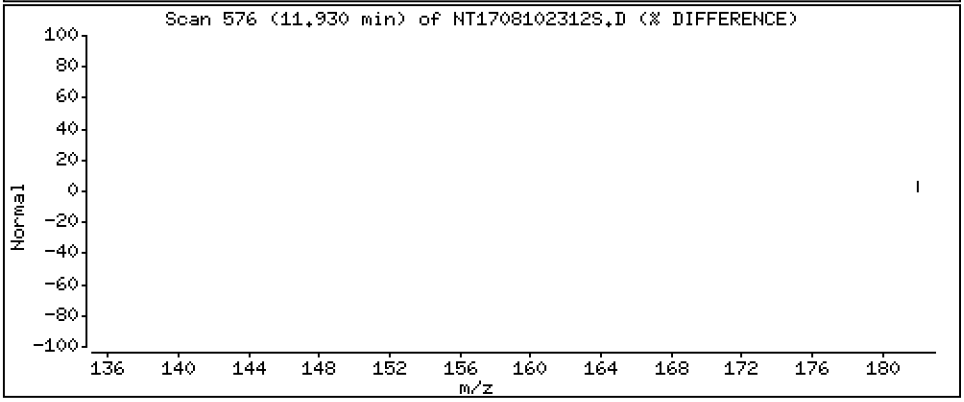












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

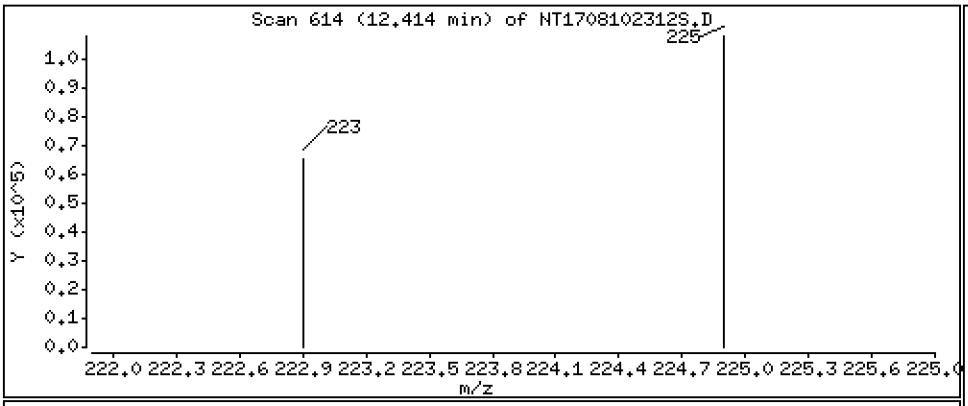
Operator: JGR

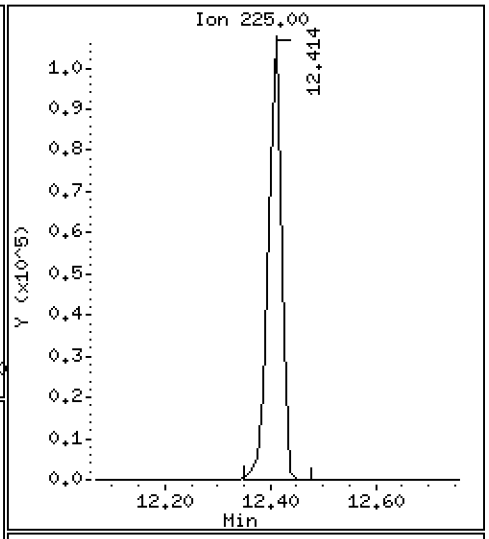
Column phase: ZB-5msi

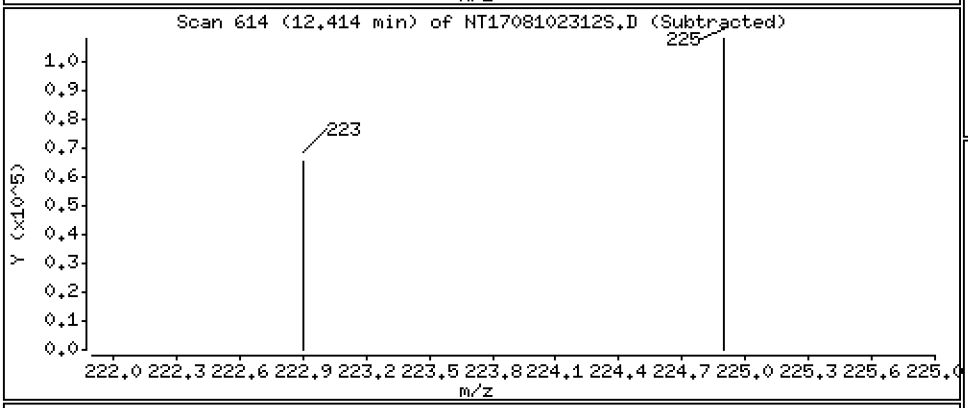
Column diameter: 0.25

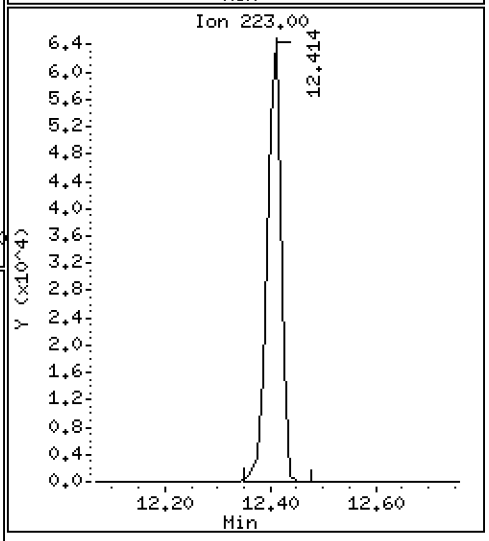
30 Hexachlorobutadiene

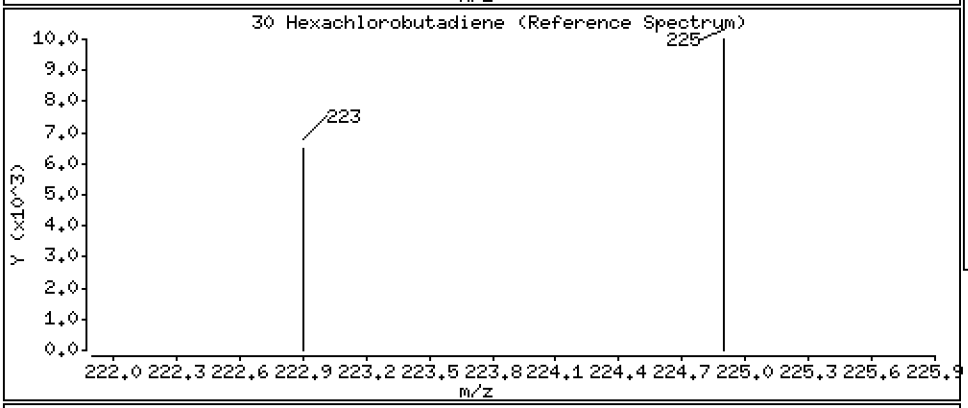
Concentration: 5.378 ug/mL

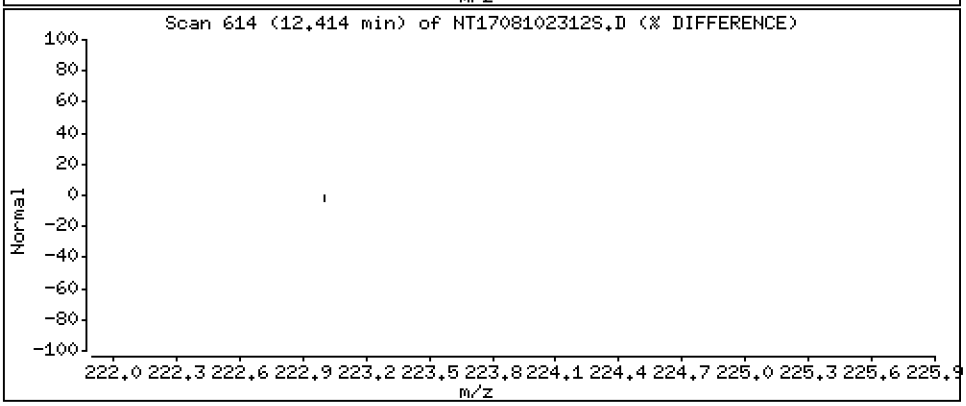












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

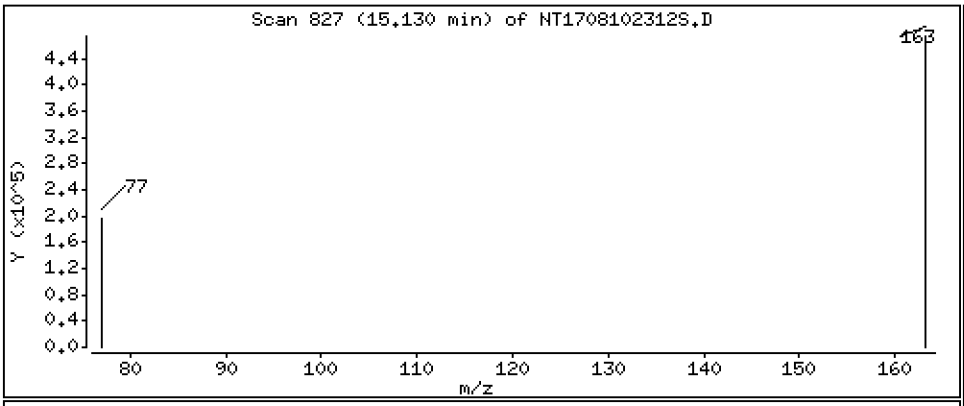
Operator: JGR

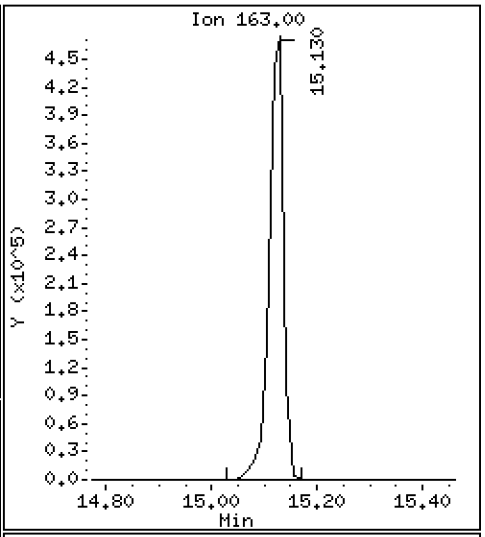
Column phase: ZB-5msi

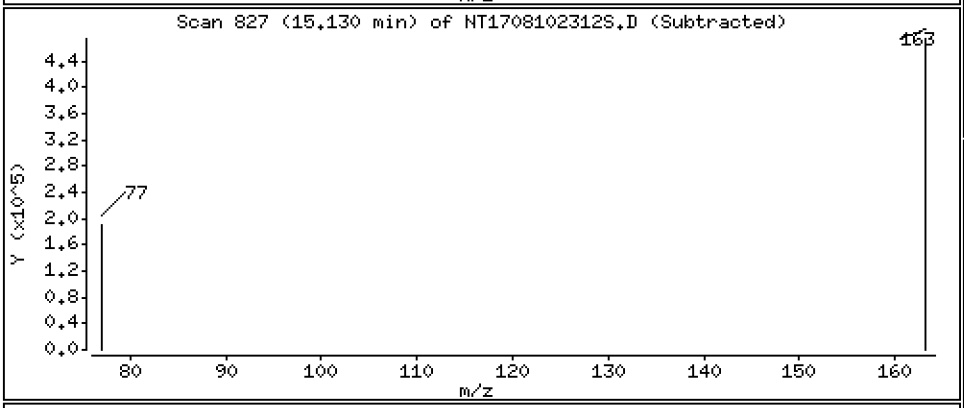
Column diameter: 0.25

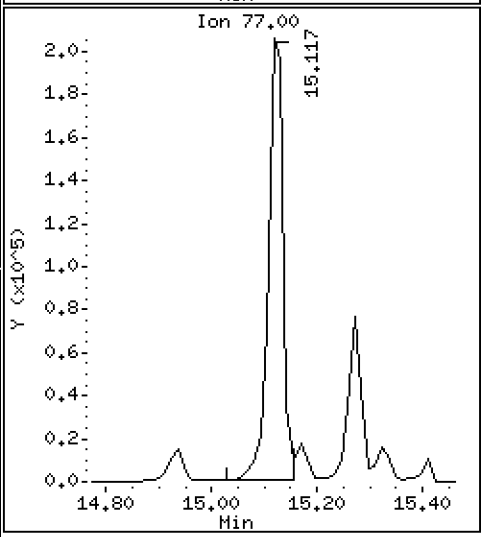
39 Dimethylphthalate

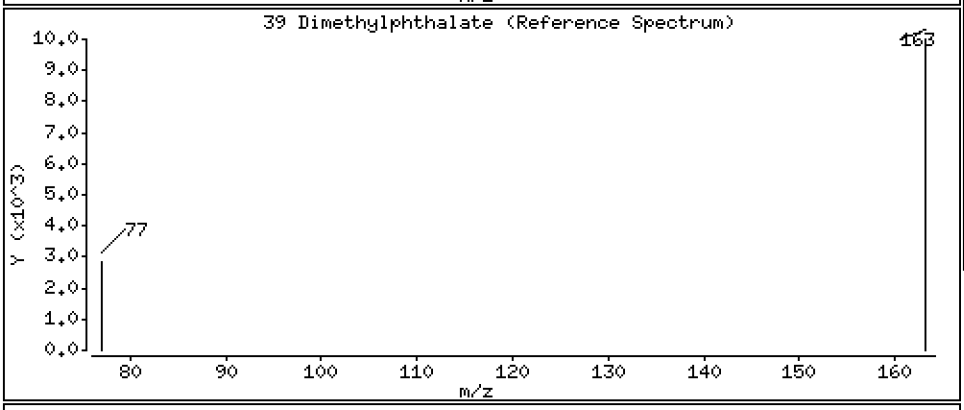
Concentration: 5.868 ug/mL

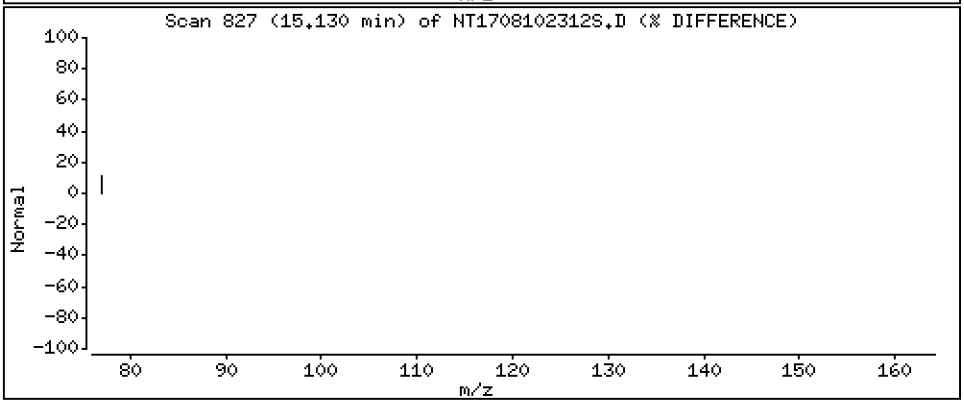












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

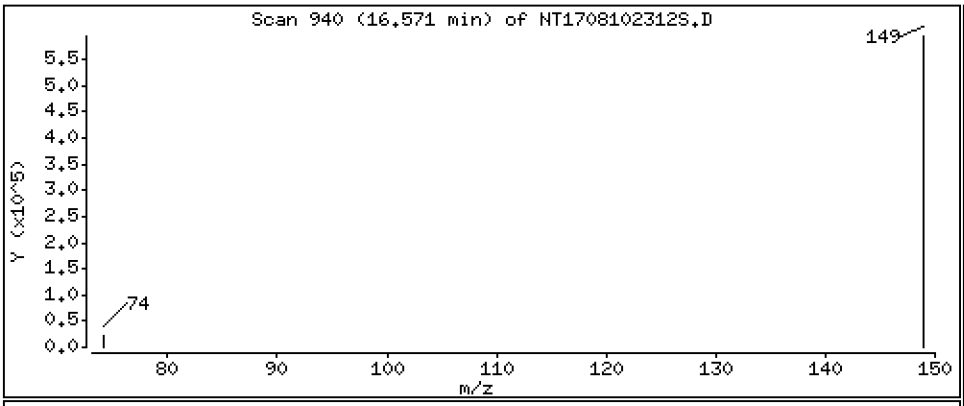
Operator: JGR

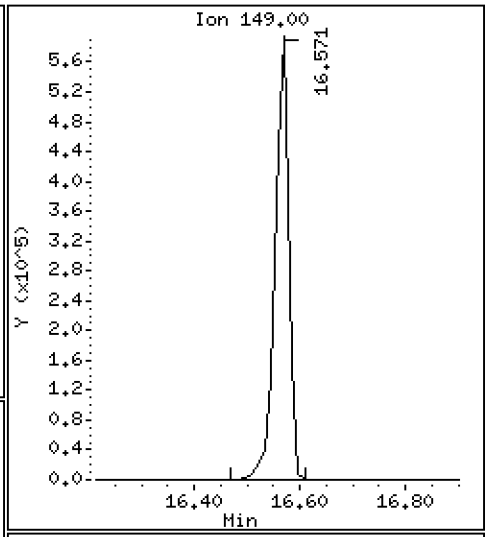
Column phase: ZB-5msi

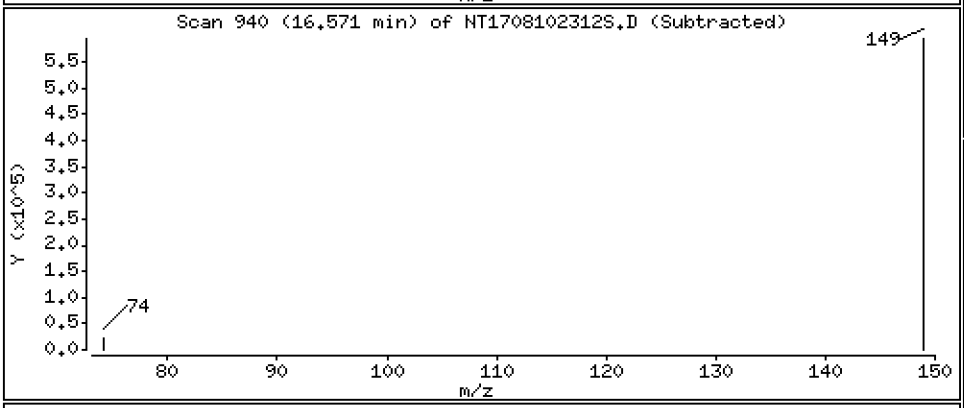
Column diameter: 0.25

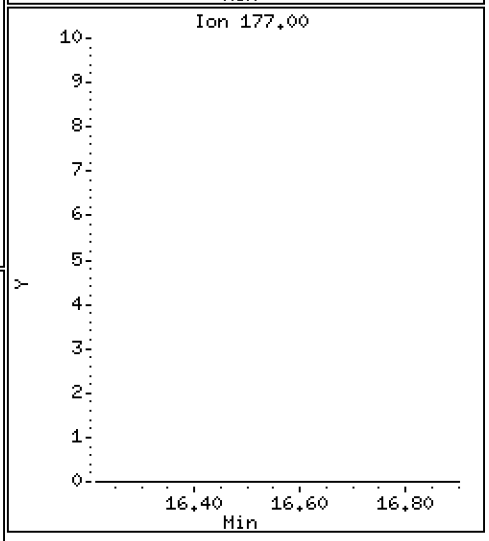
50 Diethylphthalate

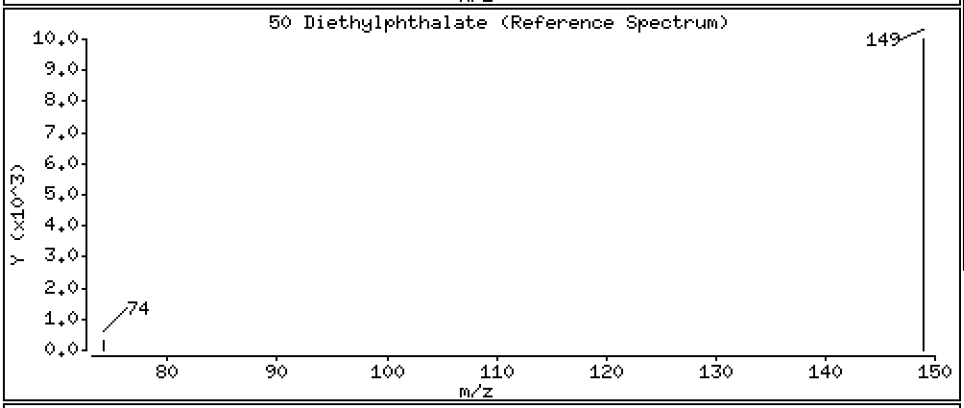
Concentration: 6.387 ug/mL

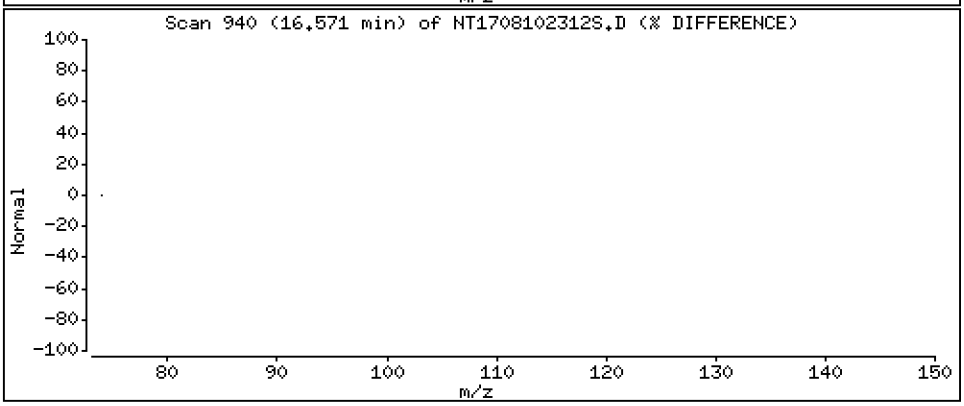












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

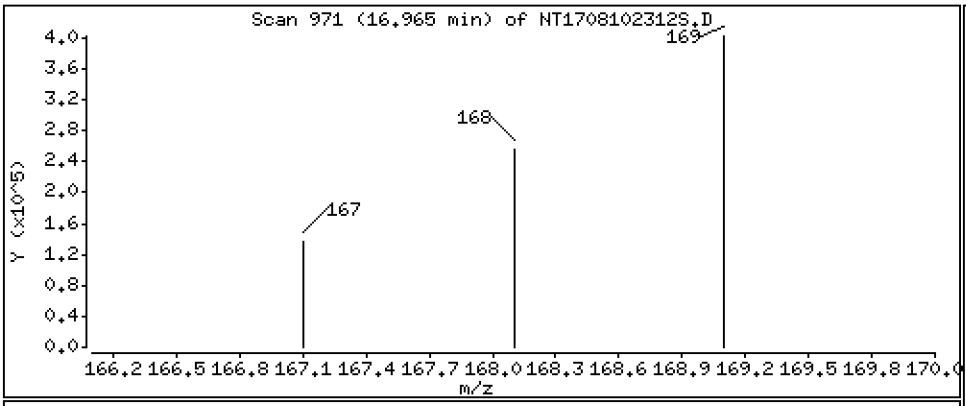
Operator: JGR

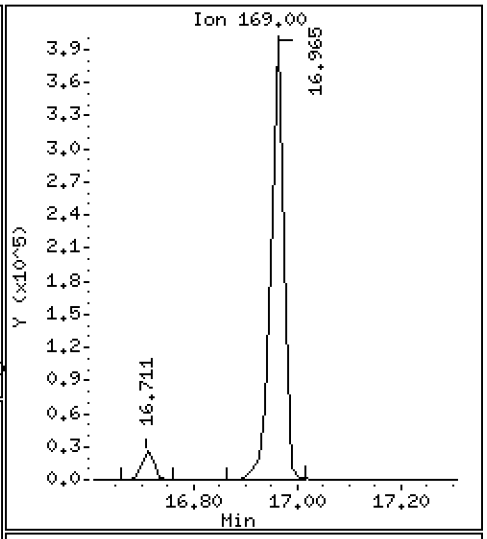
Column phase: ZB-5msi

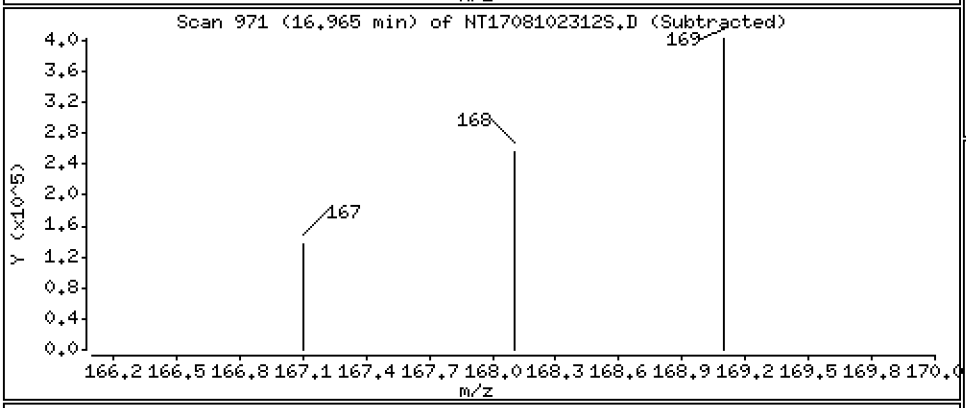
Column diameter: 0.25

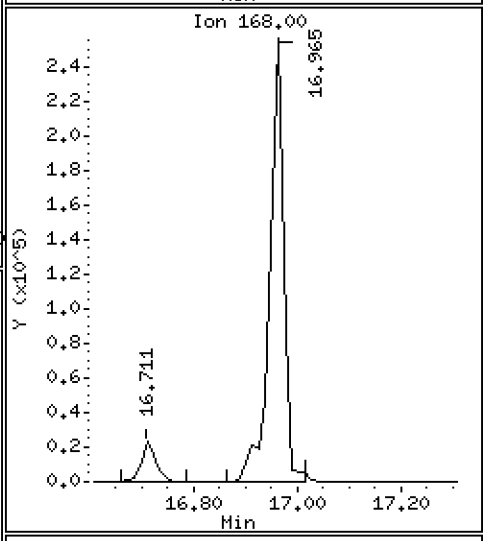
54 N-Nitrosodiphenylamine

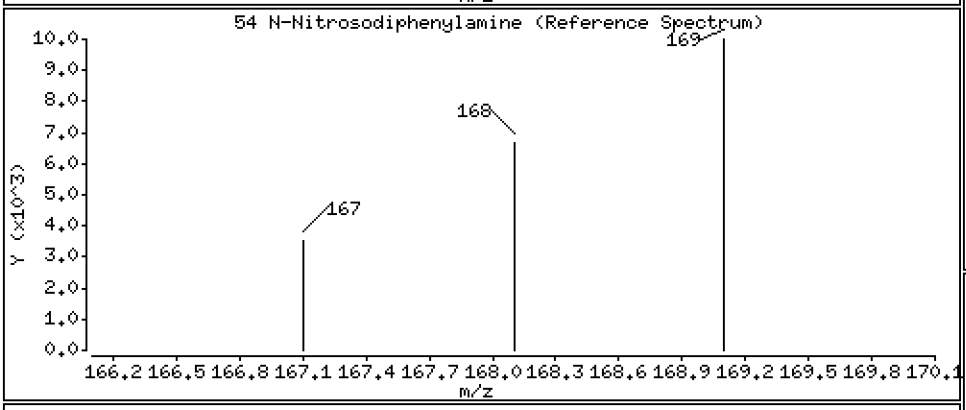
Concentration: 5.881 ug/mL

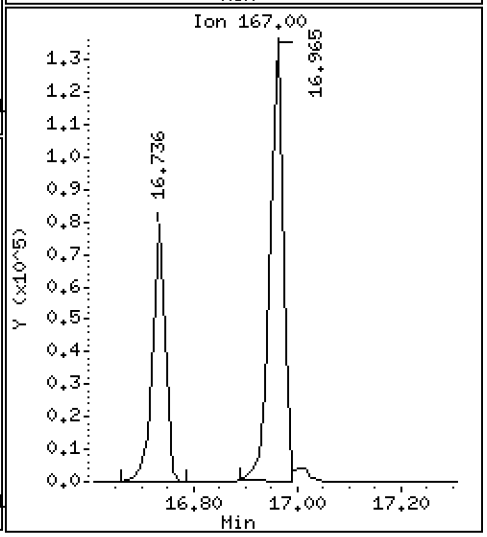


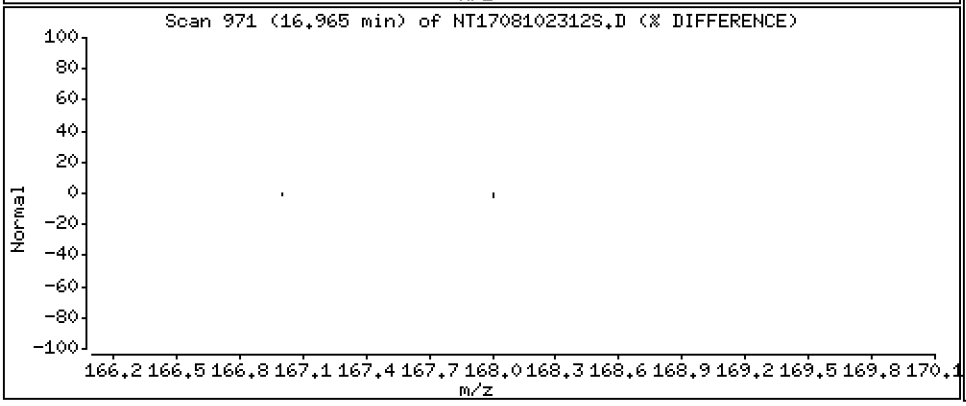












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

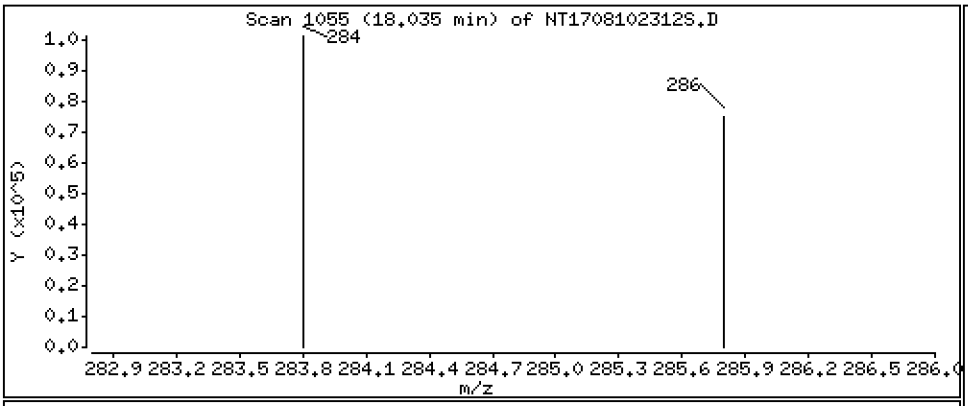
Operator: JGR

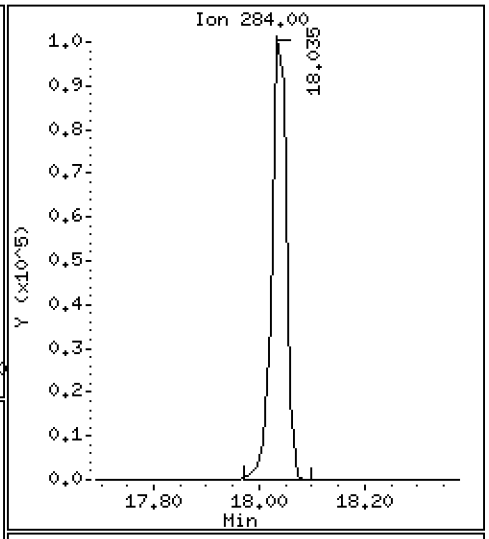
Column phase: ZB-5msi

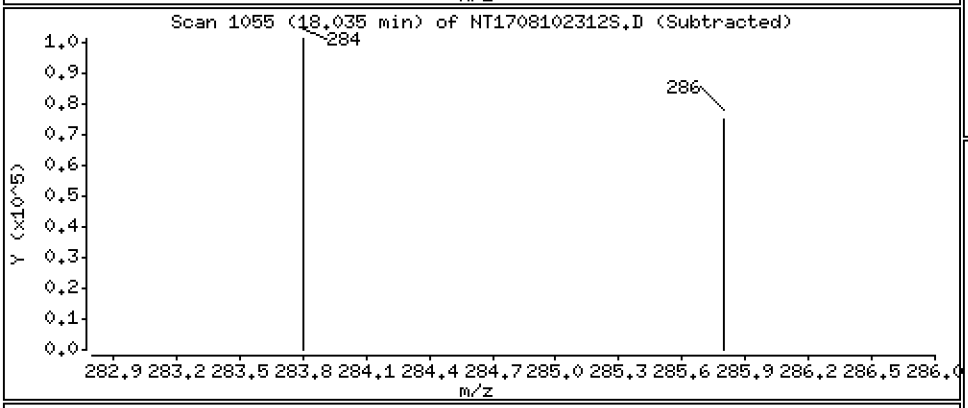
Column diameter: 0.25

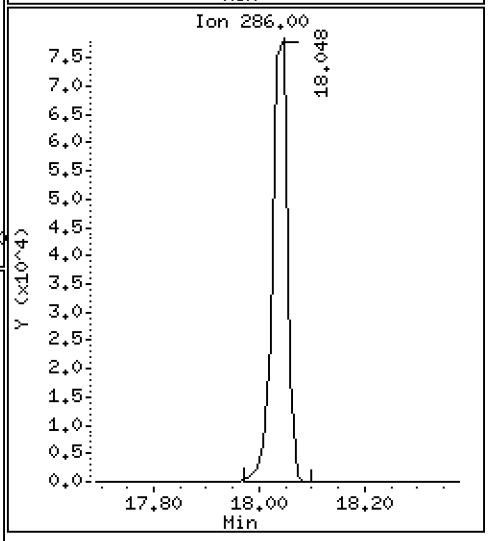
57 Hexachlorobenzene

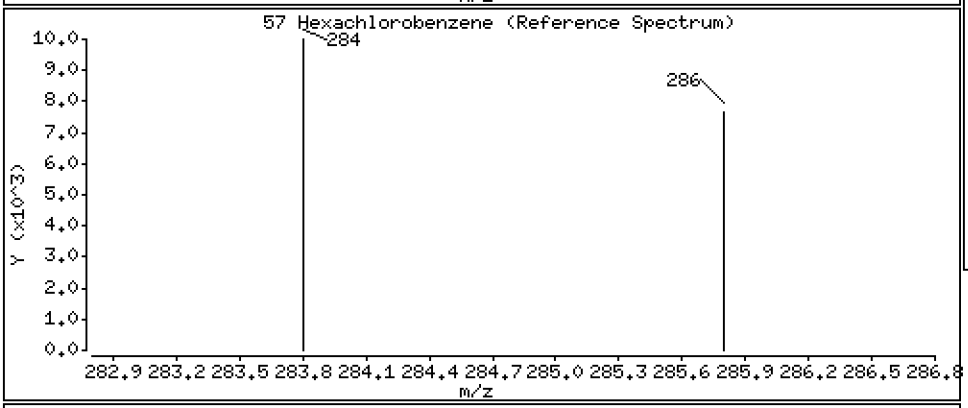
Concentration: 5.215 ug/mL

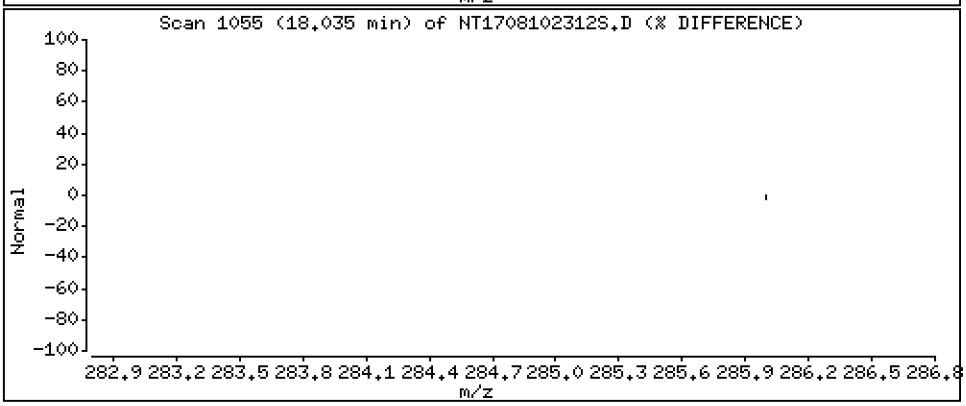












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

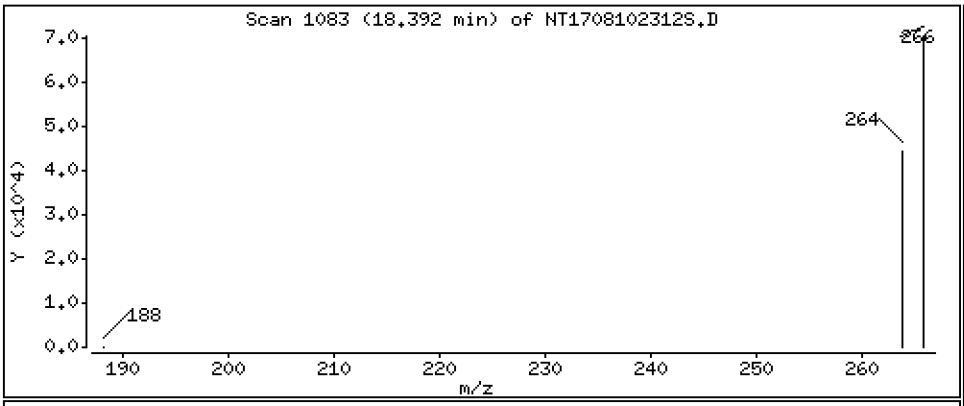
Operator: JGR

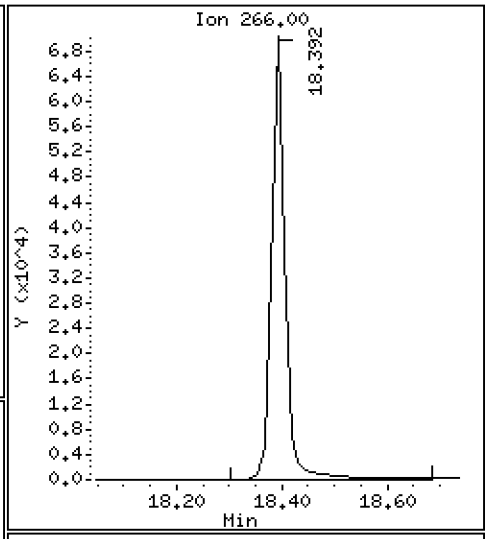
Column phase: ZB-5msi

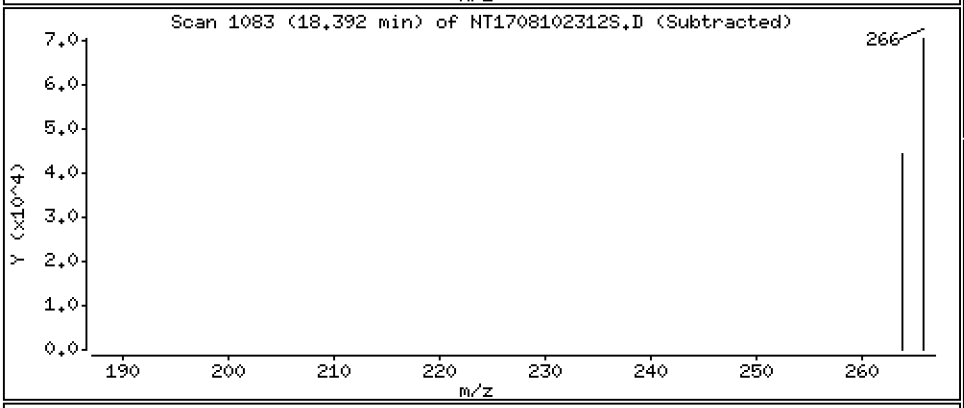
Column diameter: 0.25

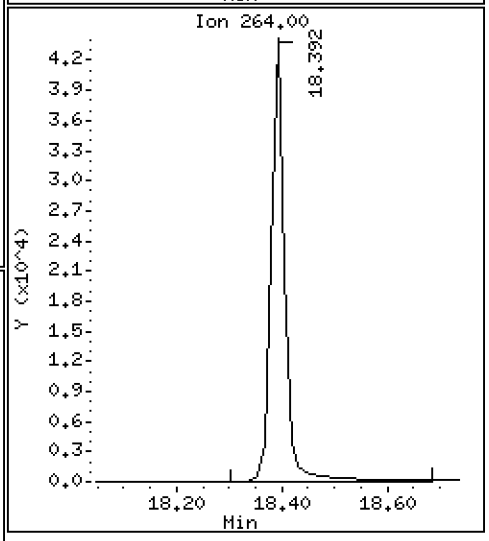
58 Pentachlorophenol

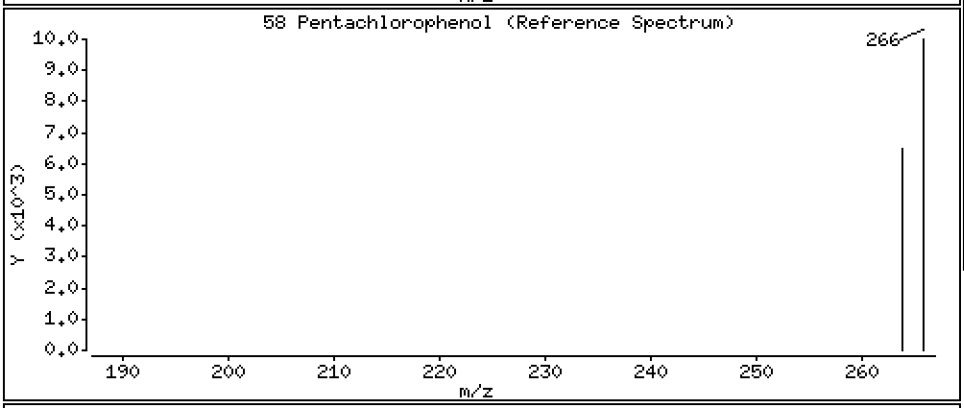
Concentration: 4.844 ug/mL

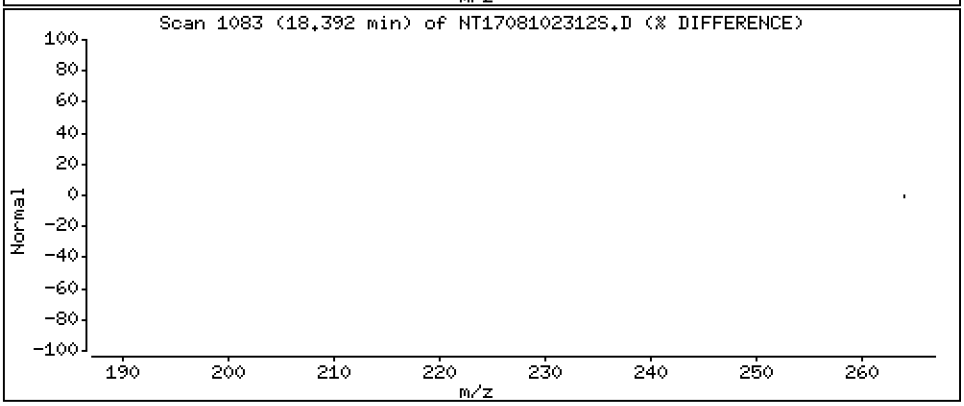












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

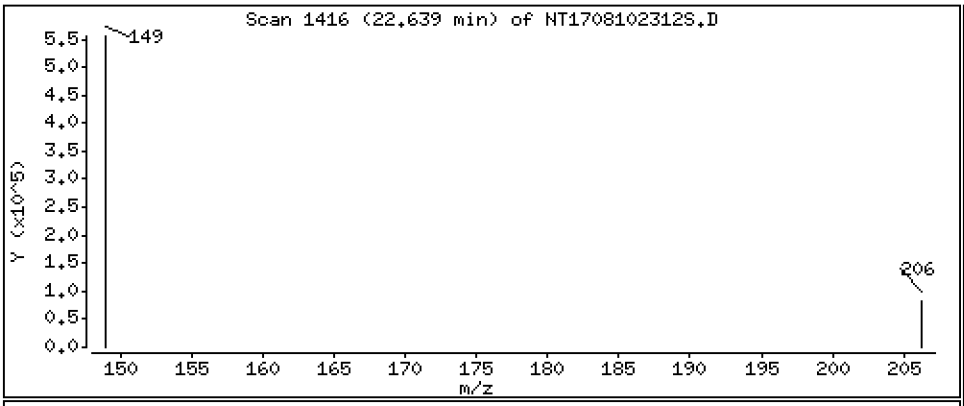
Operator: JGR

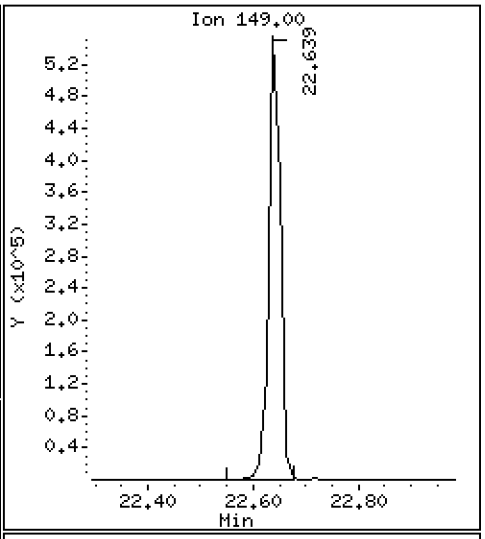
Column phase: ZB-5msi

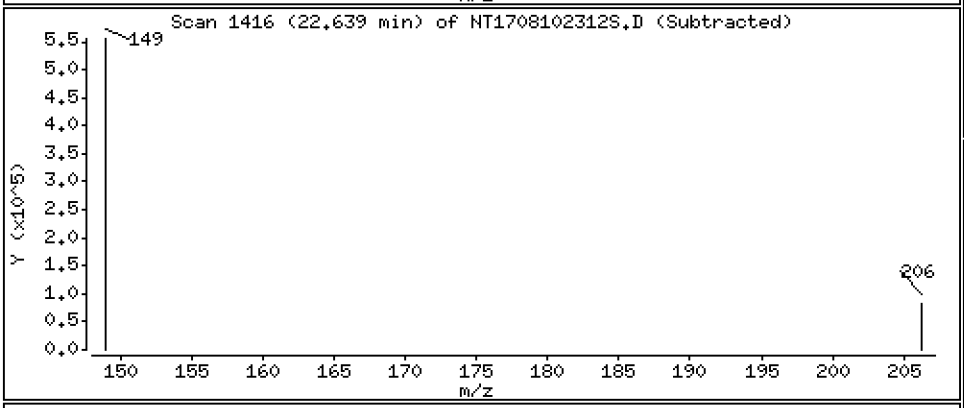
Column diameter: 0.25

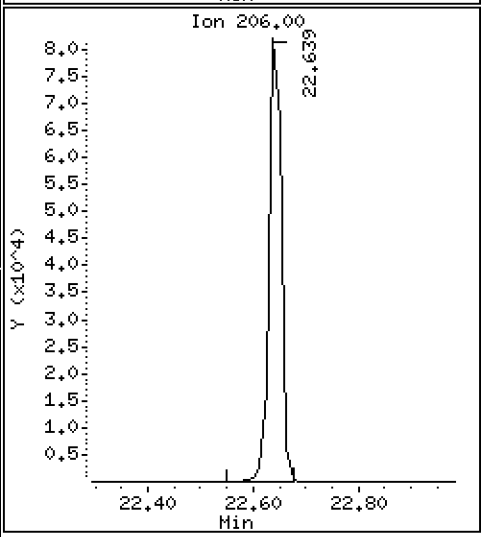
67 Butylbenzylphthalate

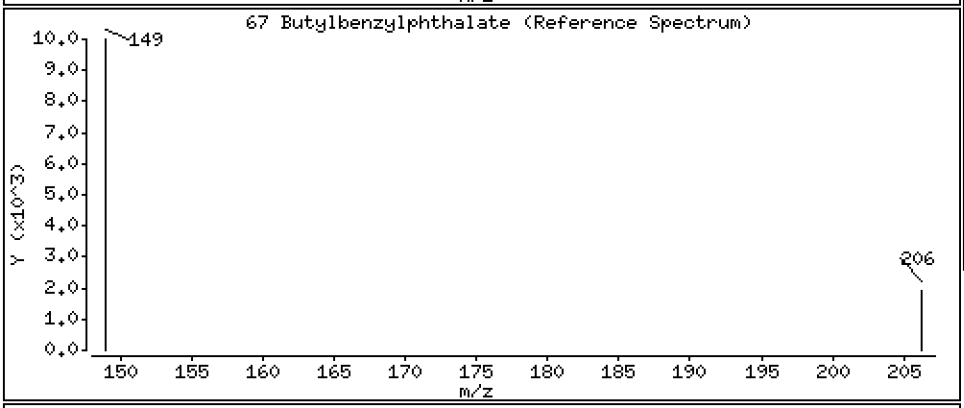
Concentration: 5.503 ug/mL

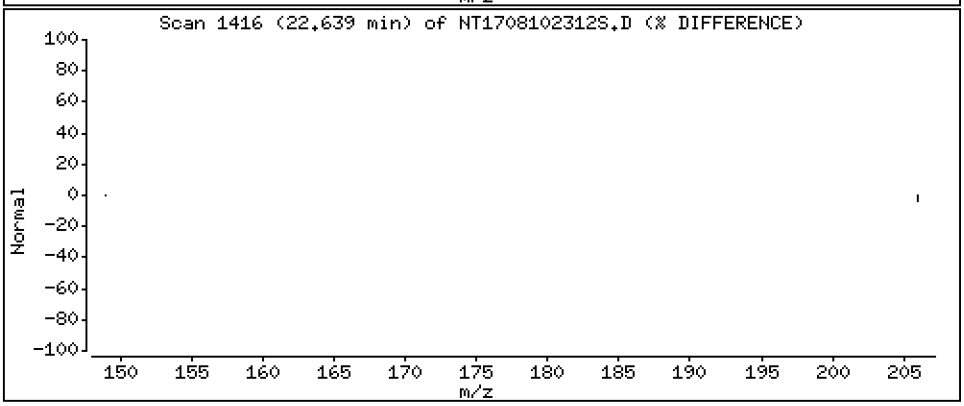












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

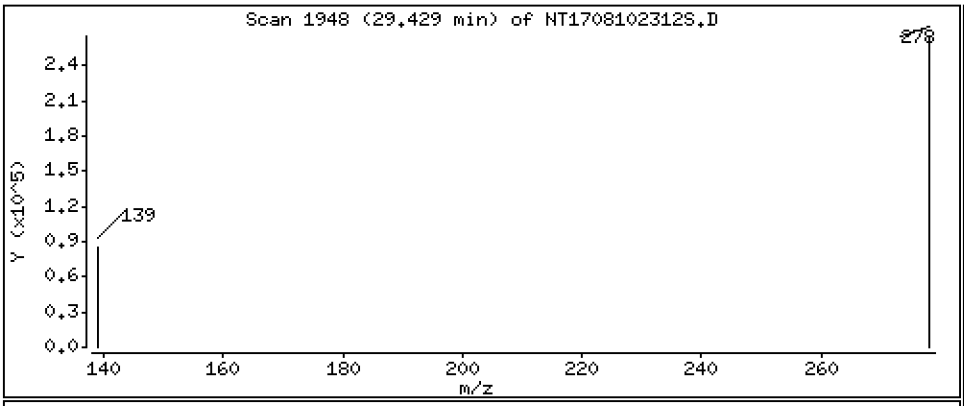
Operator: JGR

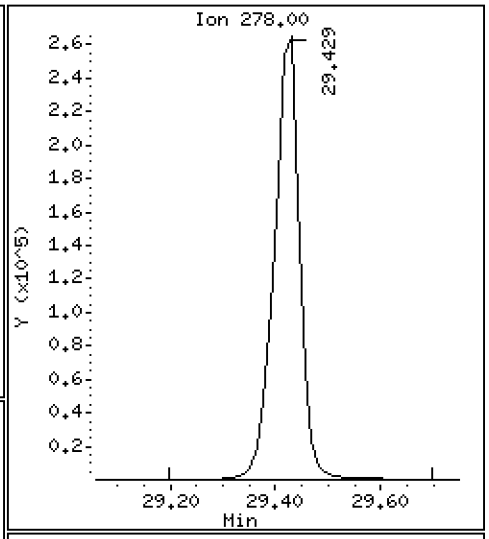
Column phase: ZB-5msi

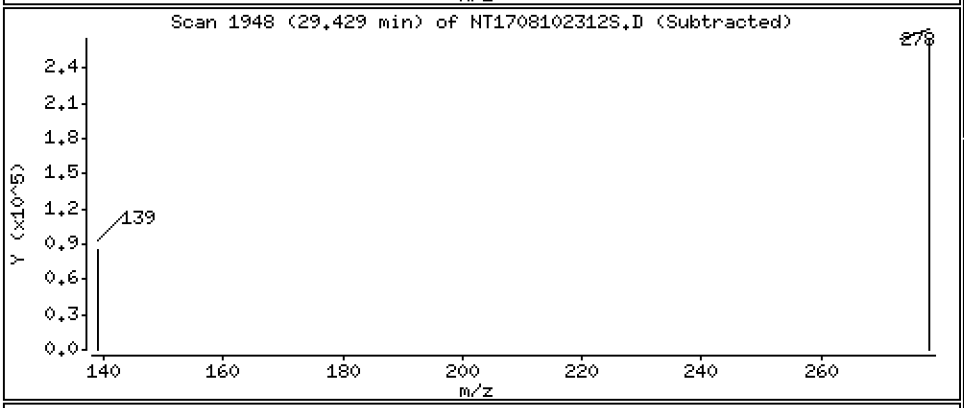
Column diameter: 0.25

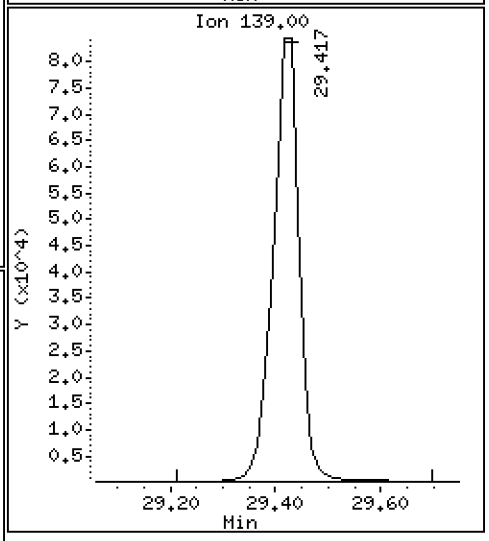
79 Dibenzo(a,h)anthracene

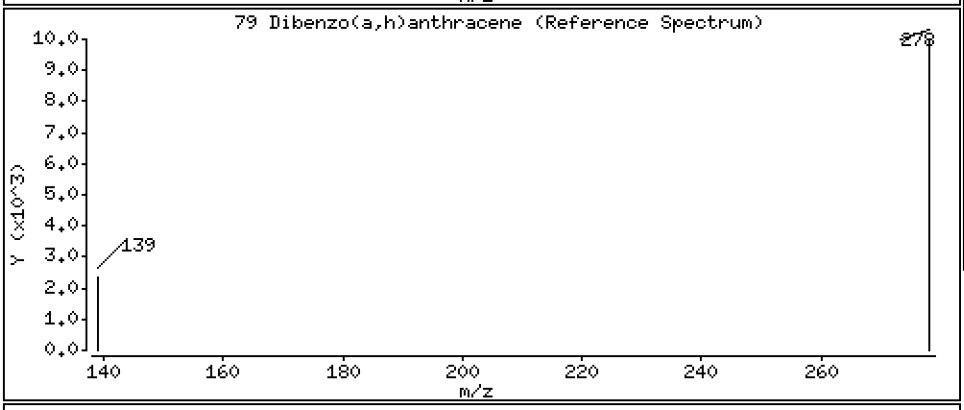
Concentration: 5.066 ug/mL

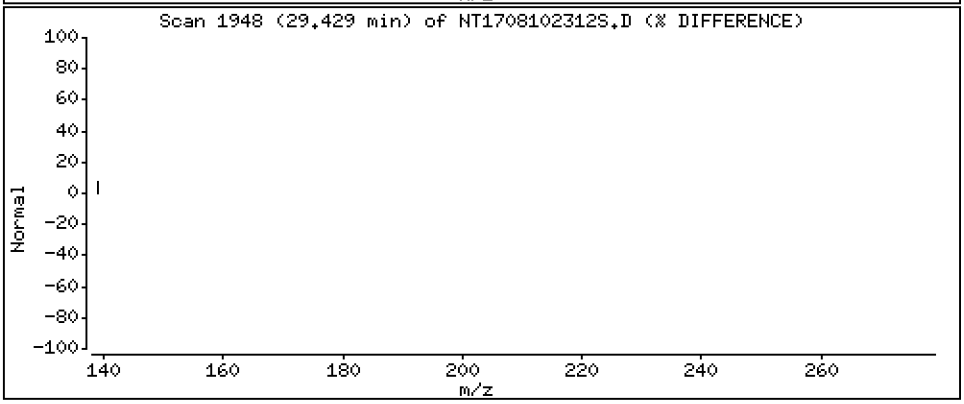












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

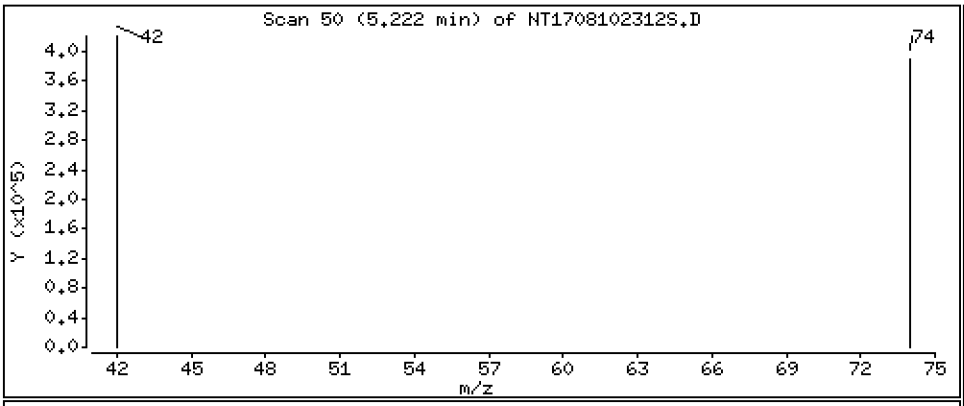
Operator: JGR

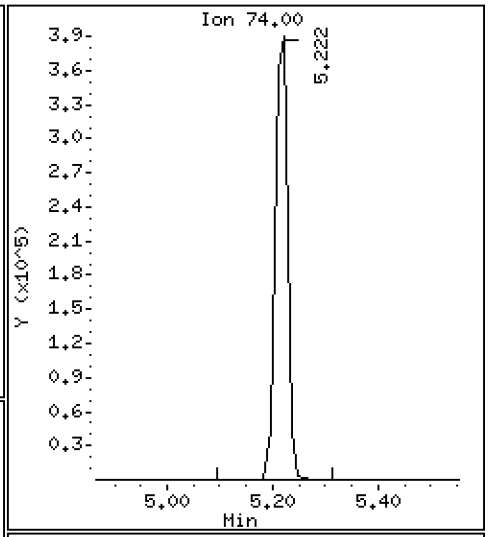
Column phase: ZB-5msi

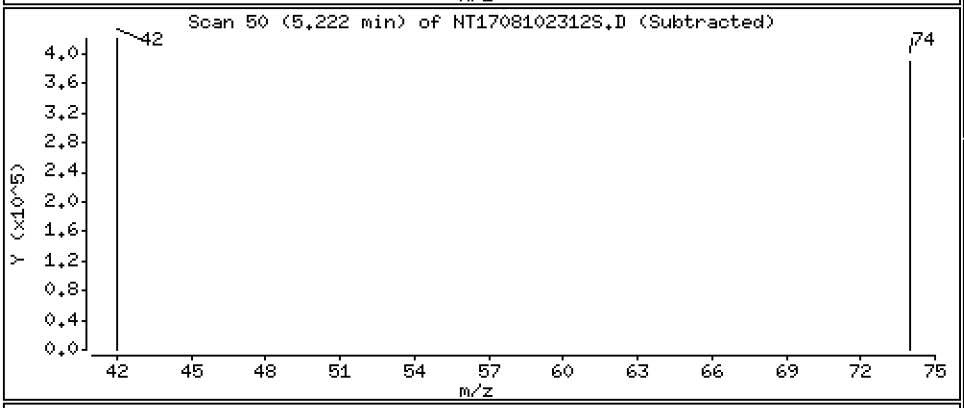
Column diameter: 0.25

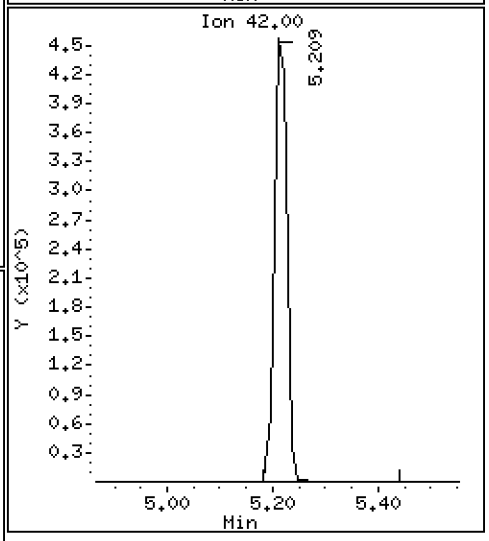
90 N-Nitrosodimethylamine

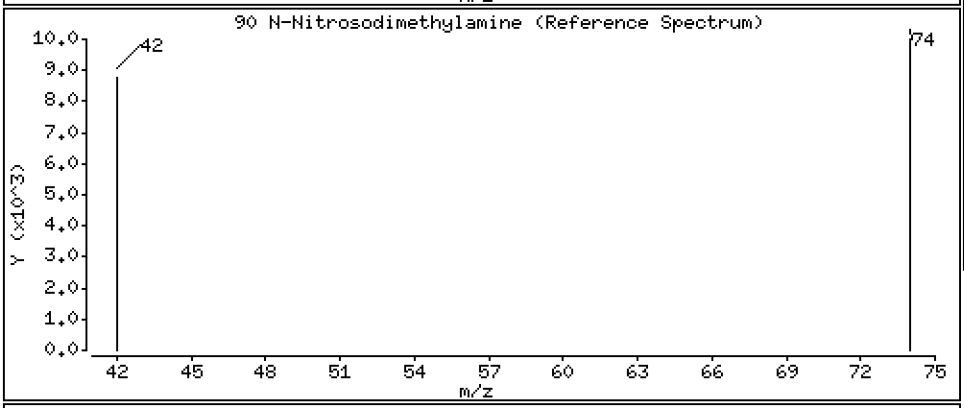
Concentration: 5.656 ug/mL

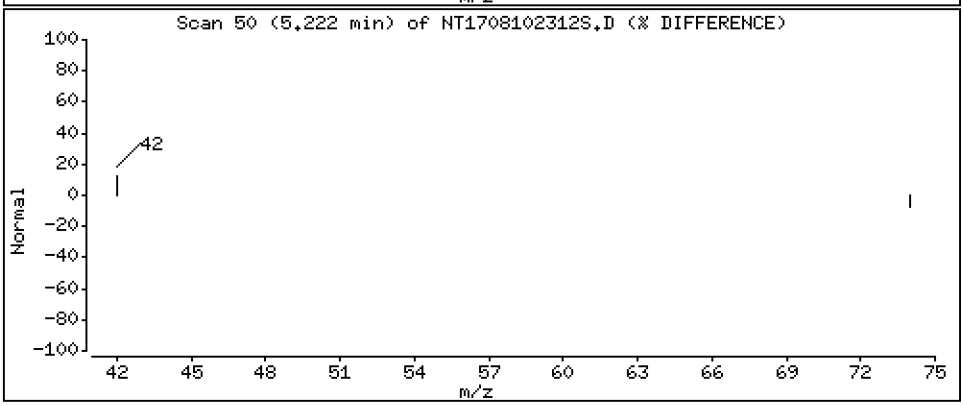












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102312S.D
Lab Smp Id: SEQ-SCV1
Inj Date : 10-AUG-2023 18:45
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-SCV1
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Meth Date : 11-Aug-2023 08:13 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	Compound Not Detected.					
	3 Phenol	94	8.891	8.891	(0.932)	932540	5.50239	5.502
	7 1,3-Dichlorobenzene	146	9.477	9.477	(0.993)	591053	5.15578	5.156
*	8 1,4-Dichlorobenzene-d4	152	9.541	9.541	(1.000)	267754	4.00000	
	9 1,4-Dichlorobenzene	146	9.566	9.566	(1.003)	573424	5.16858	5.169
	11 Benzyl alcohol	79	9.796	9.796	(1.027)	709897	6.05184	6.052
	12 1,2-Dichlorobenzene	146	9.924	9.924	(1.040)	561360	5.21616	5.216
	13 2-Methylphenol	108	10.001	10.001	(1.048)	525371	5.11241	5.112
	15 4-Methylphenol	108	10.282	10.269	(1.078)	589793	5.49122	5.491
	16 N-Nitroso-di-n-propylamine	70	10.359	10.346	(1.086)	677820	6.17127	6.171
	22 2,4-Dimethylphenol	107	11.317	11.316	(0.941)	497084	4.51954	4.520
	24 Benzoic acid	105	11.495	11.521	(0.955)	749206	9.95900	9.959
	26 1,2,4-Trichlorobenzene	180	11.929	11.929	(0.992)	377826	5.02775	5.028
*	27 Naphthalene-d8	136	12.031	12.018	(1.000)	1096182	4.00000	
	30 Hexachlorobutadiene	225	12.413	12.413	(1.032)	189282	5.37846	5.378
	39 Dimethylphthalate	163	15.130	15.117	(0.967)	949831	5.86824	5.868
*	42 Acenaphthene-d10	162	15.640	15.627	(1.000)	498001	4.00000	
	50 Diethylphthalate	149	16.570	16.557	(1.059)	1074870	6.38666	6.387
	54 N-Nitrosodiphenylamine	169	16.965	16.965	(0.909)	685167	5.88111	5.881
	57 Hexachlorobenzene	284	18.034	18.034	(0.966)	199043	5.21462	5.215
	58 Pentachlorophenol	266	18.391	18.392	(0.985)	125476	4.84413	4.844
*	59 Phenanthrene-d10	188	18.672	18.672	(1.000)	810370	4.00000	
$	66 Terphenyl-d14	244	Compound Not Detected.					
	67 Butylbenzylphthalate	149	22.638	22.639	(0.957)	857851	5.50335	5.503
*	69 Chrysene-d12	240	23.646	23.646	(1.000)	587436	4.00000	
*	77 Perylene-d12	264	26.452	26.452	(1.000)	595930	4.00000	
	79 Dibenzo(a,h)anthracene	278	29.429	29.404	(1.113)	891713	5.06606	5.066
	90 N-Nitrosodimethylamine	74	5.221	5.209	(0.547)	639879	5.65625	5.656(M)

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102312S.D
Lab Smp Id: SEQ-SCV1
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 15:01
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	319389	159695	638778	267754	-16.17
27 Naphthalene-d8	1274686	637343	2549372	1096182	-14.00
42 Acenaphthene-d10	569885	284943	1139770	498001	-12.61
59 Phenanthrene-d10	915829	457915	1831658	810370	-11.52
69 Chrysene-d12	653460	326730	1306920	587436	-10.10
77 Perylene-d12	654887	327444	1309774	595930	-9.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.54	9.04	10.04	9.54	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.03	0.11
42 Acenaphthene-d10	15.64	15.14	16.14	15.64	0.00
59 Phenanthrene-d10	18.67	18.17	19.17	18.67	0.00
69 Chrysene-d12	23.65	23.15	24.15	23.65	0.00
77 Perylene-d12	26.45	25.95	26.95	26.45	0.00

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

REVIEW SUMMARY FOR FILE - NT1708102312S.D

Lab ID: SEQ-SCV1
nt17.i, 20230810.b\SIM.B\SIMABN2.m,   10-AUG-2023 18:45

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

** FIRST SURROGATE NOT FOUND. ICAL Check not performed **

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND

NONE

RRT check based on Ccal File: SIM.B/NT1708102309S.D

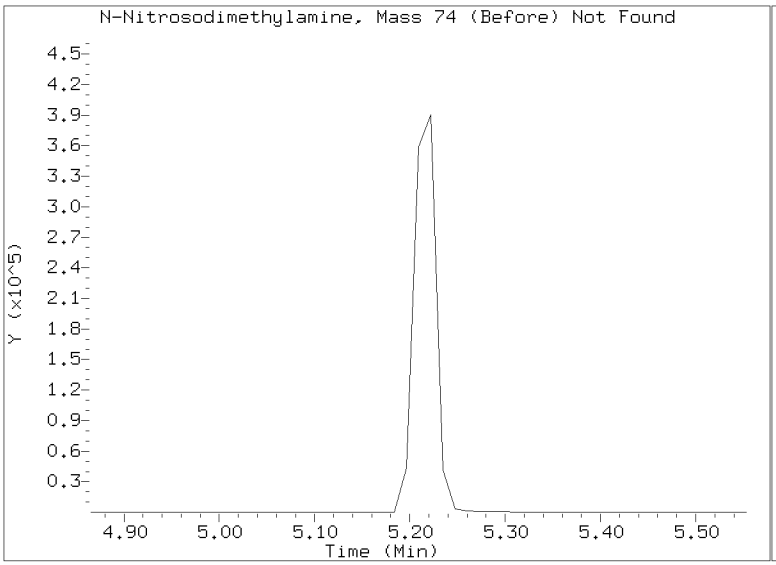
On Column LOD for nt17.i, SIM.B\SIMABN2.m, PSDDA.sub = 0.0000

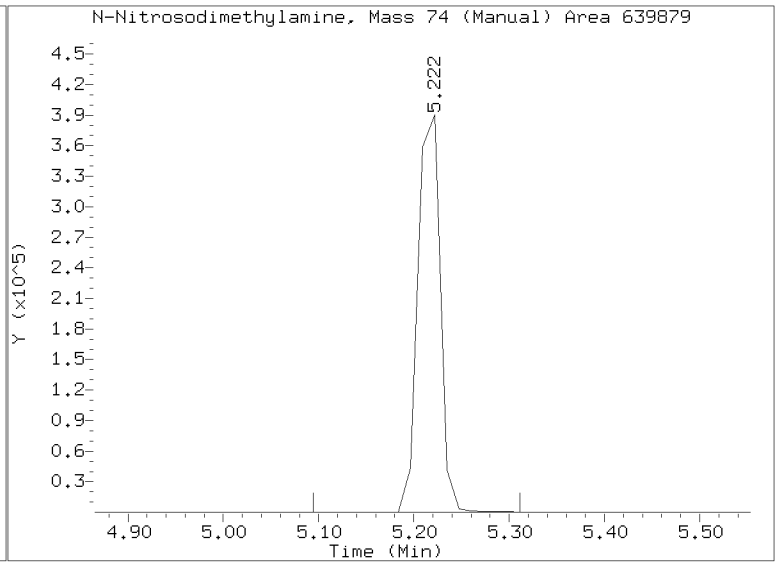
Exception: 1,2,4-Trichlorobenzene 0.0010

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

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230810.b/SIM.B/NT1708102312S.D
Injection Date: 10-AUG-2023 18:45
Lab ID:SEQ-SCV1 Client ID:
Report Date: 08/15/2023 16:33





Analytical Resources, LLC
Analytical Chemists and Consultants

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E-SIM

Laboratory: Analytical Resources, LLC
SDG: 23H0221
Client: Anchor QEA, LLC
Project: AOC5 MR Phase 1
Calibration: GH00045
Laboratory ID: SLH0217-SCV1
Sequence: SLH0217
Sequence Name: SCV 5.0
Standard ID: L006700

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DRIFT	QC LIMIT
1,4-Dichlorobenzene	5.0000	5.2	3.4	20.00
1,2-Dichlorobenzene	5.0000	5.2	4.3	20.00
Benzyl Alcohol	5.0000	6.1	21.0 *	20.00
Benzoic acid	10.000	10.0	-0.4	20.00
4-Methylphenol	5.0000	5.5	9.8	20.00
2,4-Dimethylphenol	5.0000	4.5	-9.6	20.00
1,2,4-Trichlorobenzene	5.0000	5.0	0.6	20.00
N-Nitrosodiphenylamine	5.0000	5.9	17.6	20.00
Pentachlorophenol	5.0000	4.8	-3.1	20.00
2-Fluorophenol	7.5000	0.00		
p-Terphenyl-d14	5.0000	0.00		

* Indicates values outside of QC limits

Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT17081023125.D

Page 1

Date : 10-AUG-2023 18:45

Client ID:

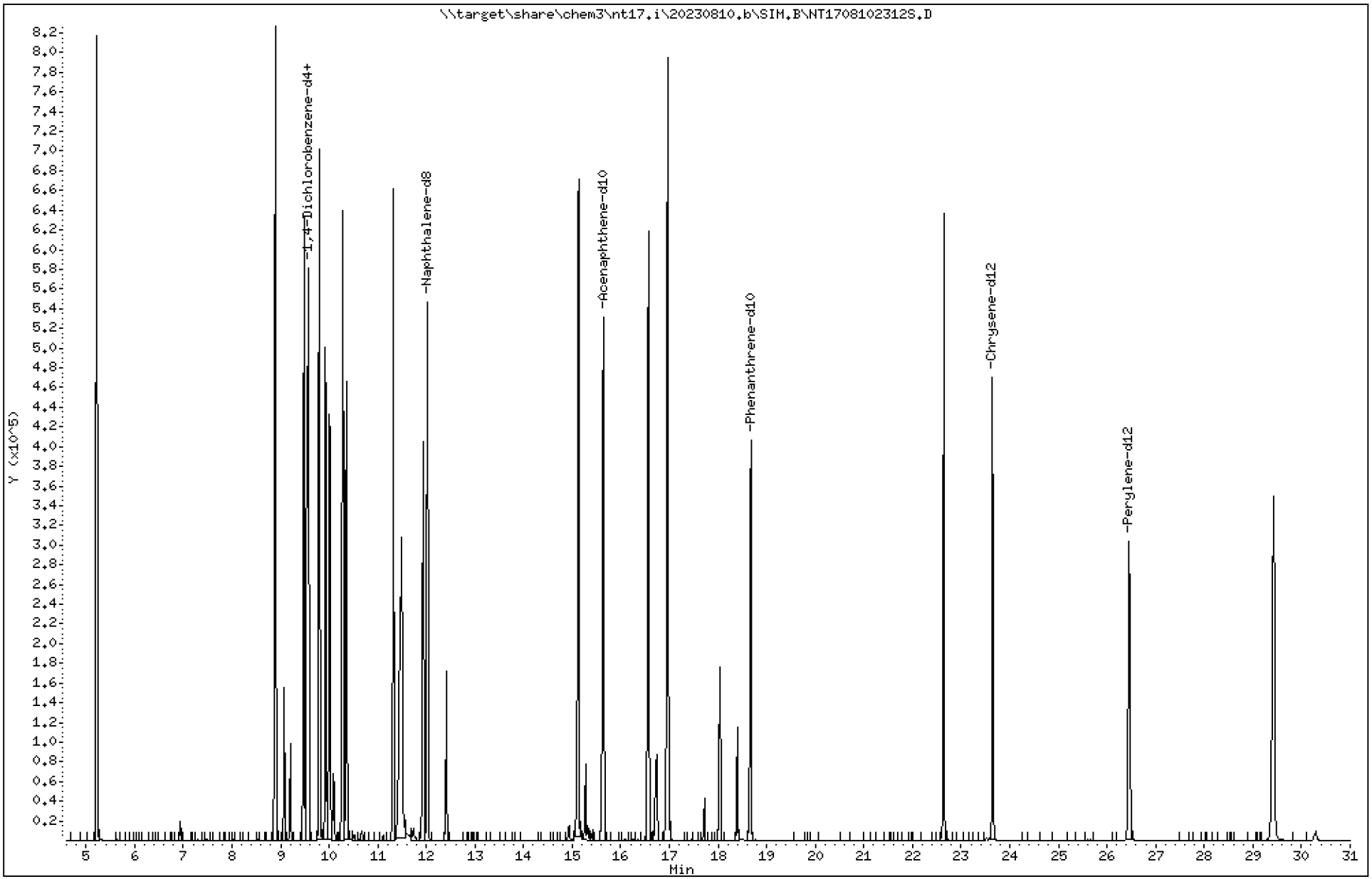
Instrument: nt17.i

Sample Info: SEQ-SCV1

Operator: JGR

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

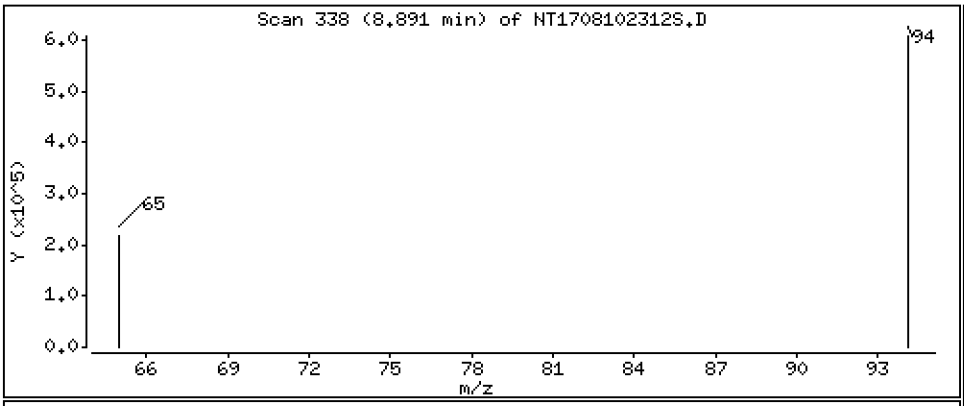
Operator: JGR

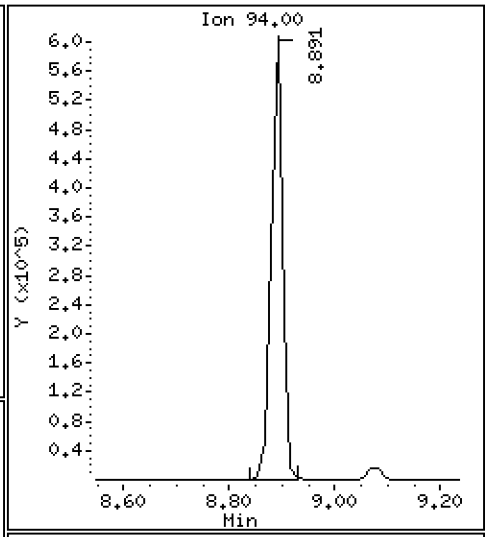
Column phase: ZB-5msi

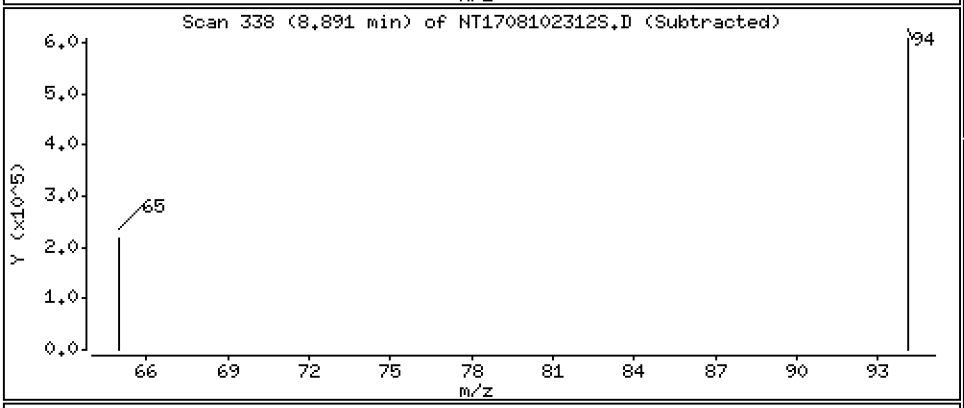
Column diameter: 0.25

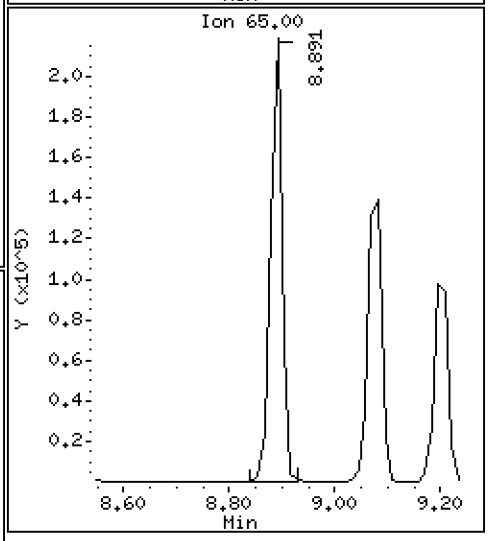
3 Phenol

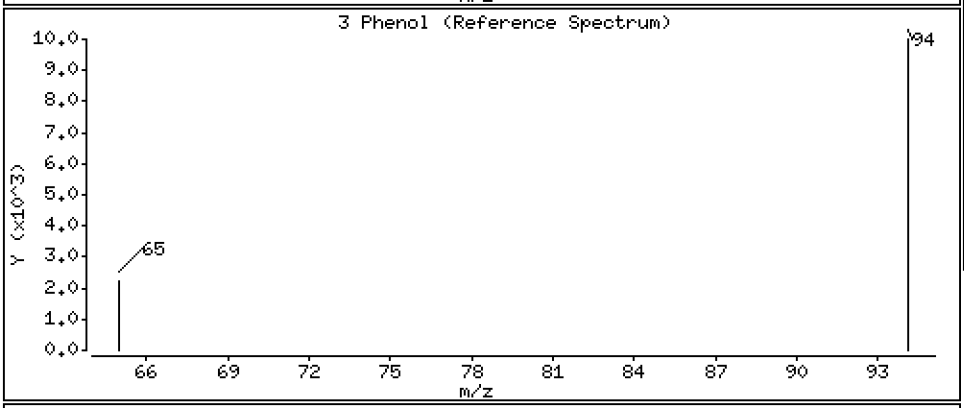
Concentration: 5.502 ug/mL

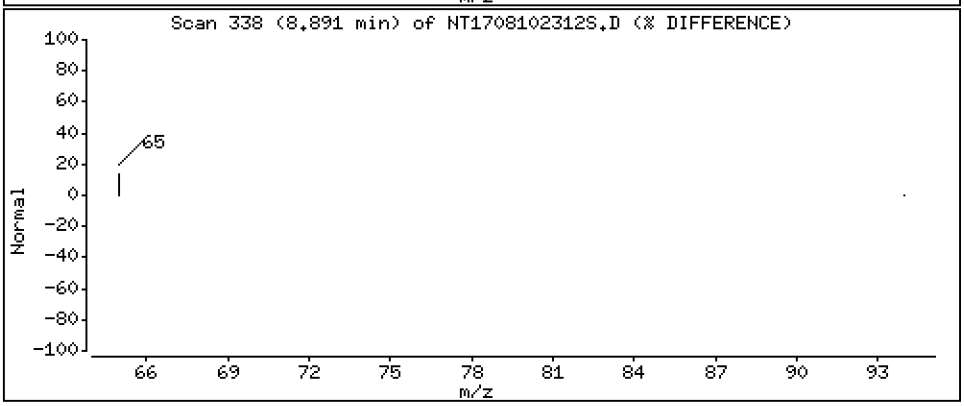












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

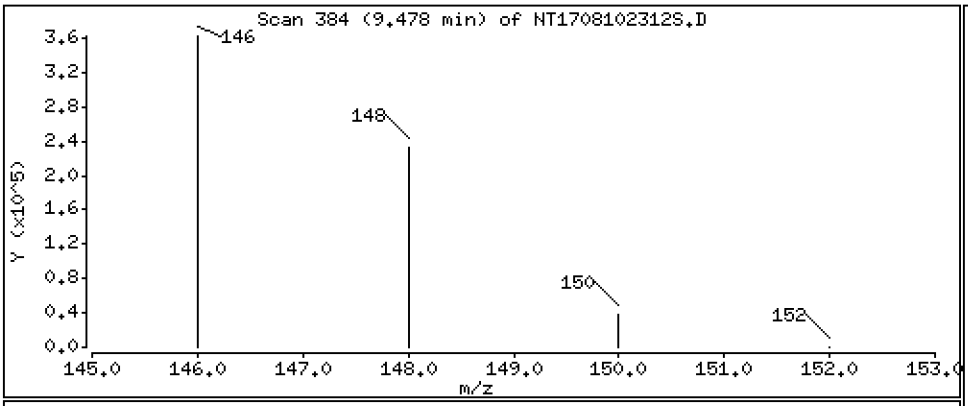
Operator: JGR

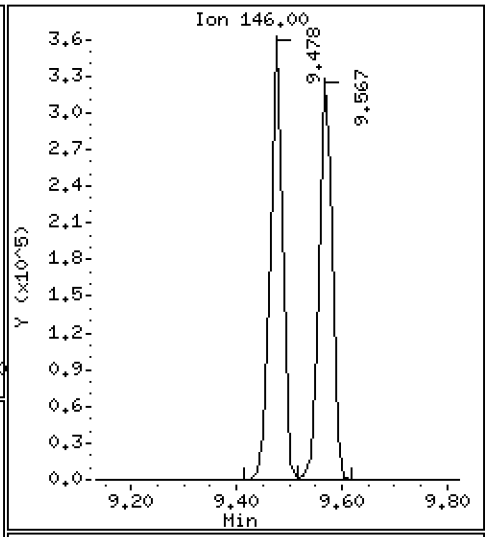
Column phase: ZB-5msi

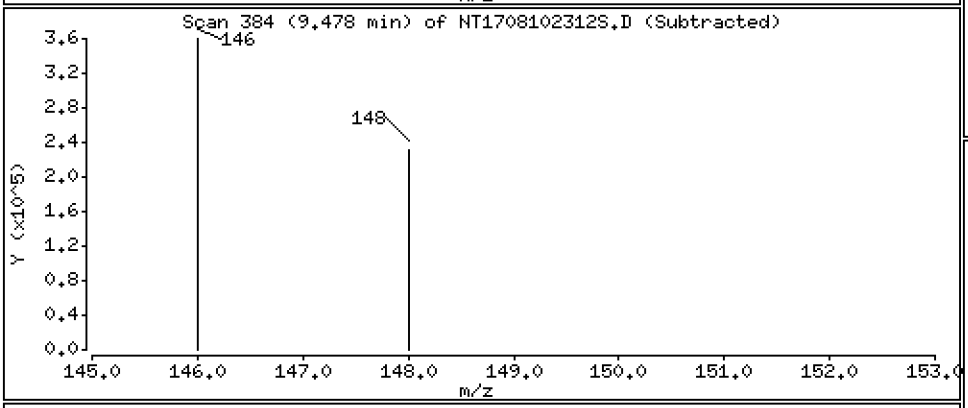
Column diameter: 0.25

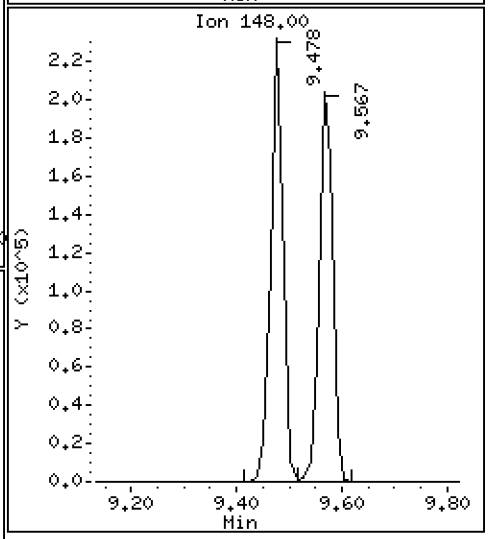
7 1,3-Dichlorobenzene

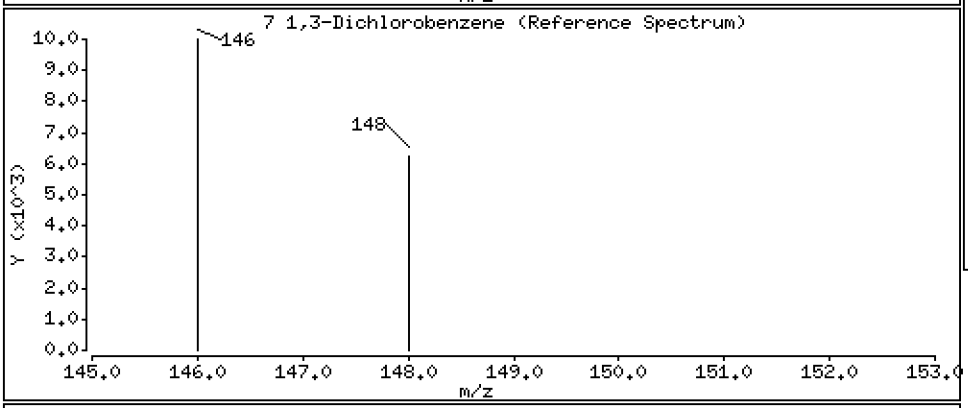
Concentration: 5.156 ug/mL

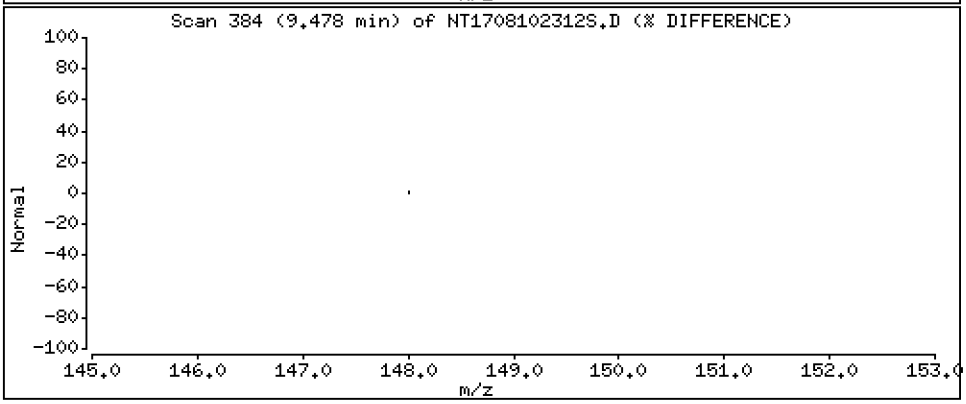












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

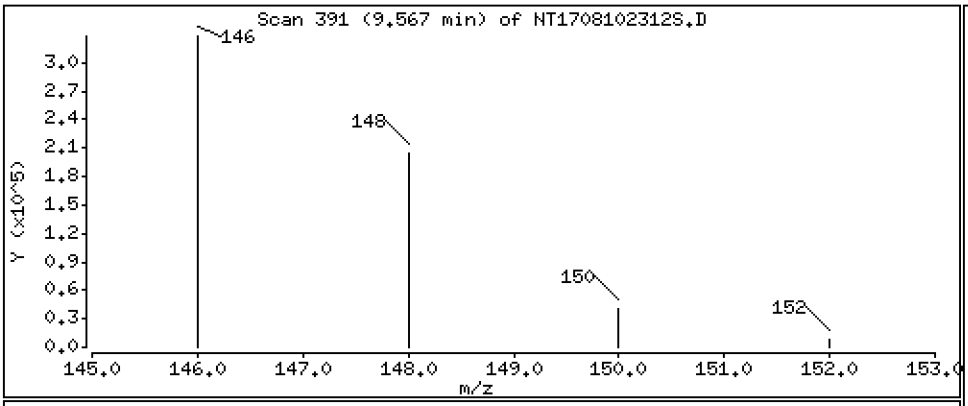
Operator: JGR

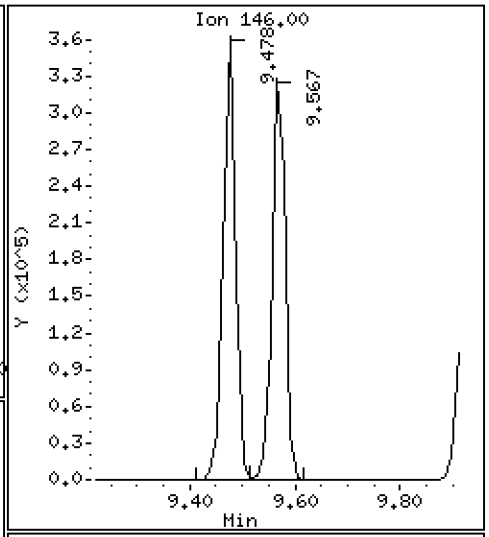
Column phase: ZB-5msi

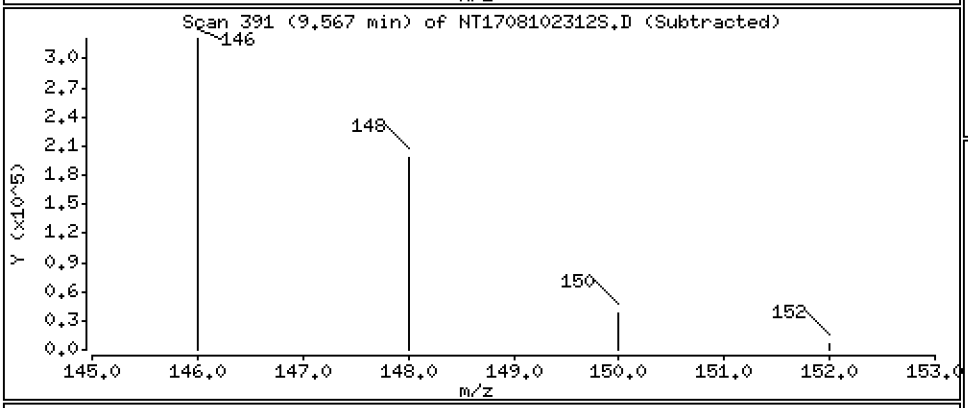
Column diameter: 0.25

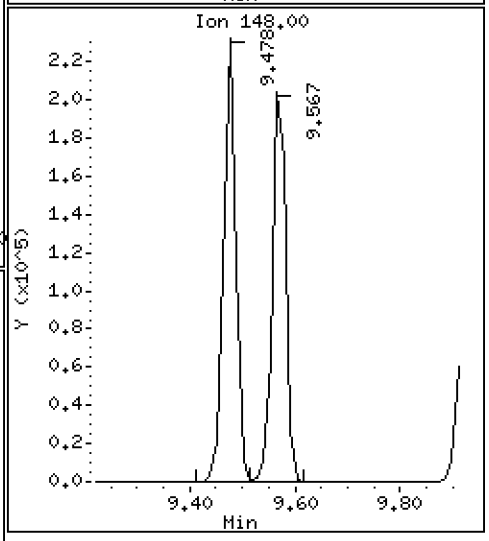
9 1,4-Dichlorobenzene

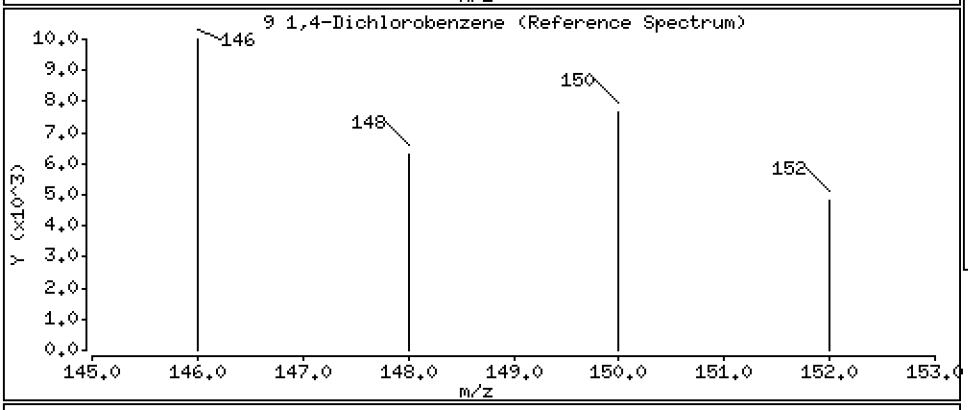
Concentration: 5.169 ug/mL

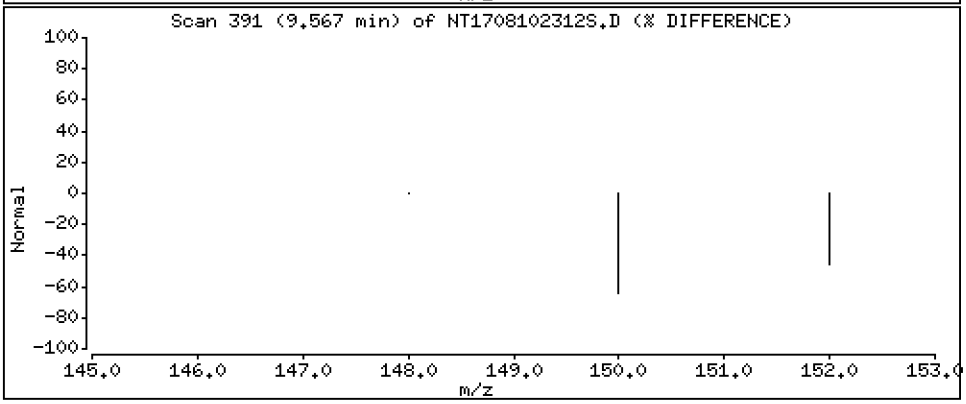












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

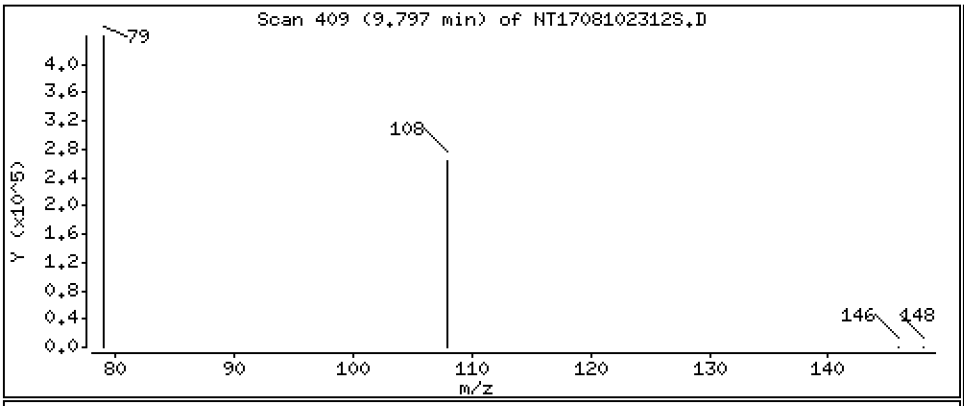
Operator: JGR

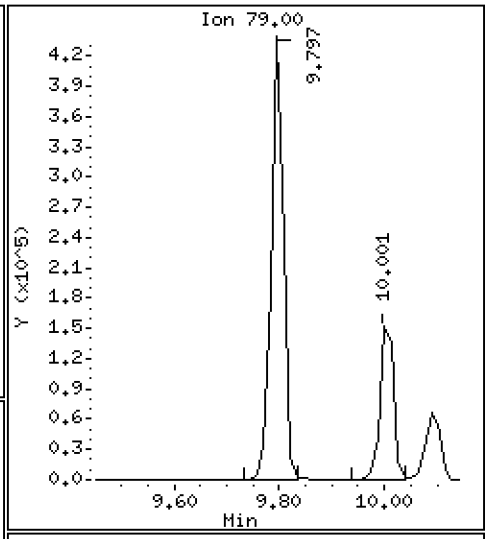
Column phase: ZB-5msi

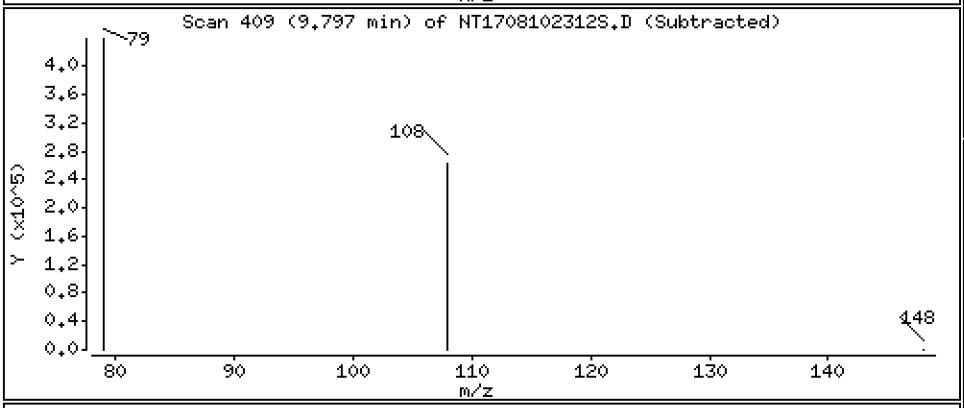
Column diameter: 0.25

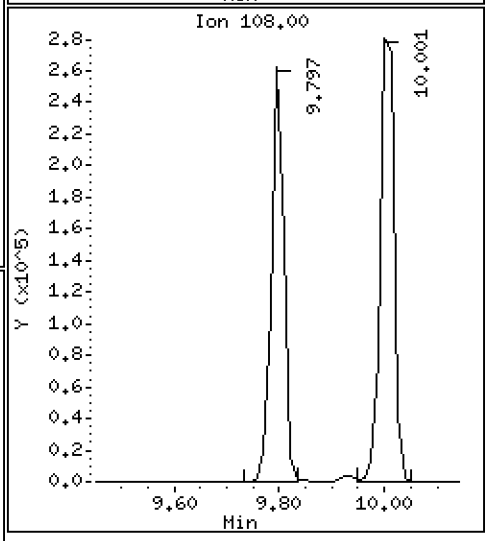
11 Benzyl alcohol

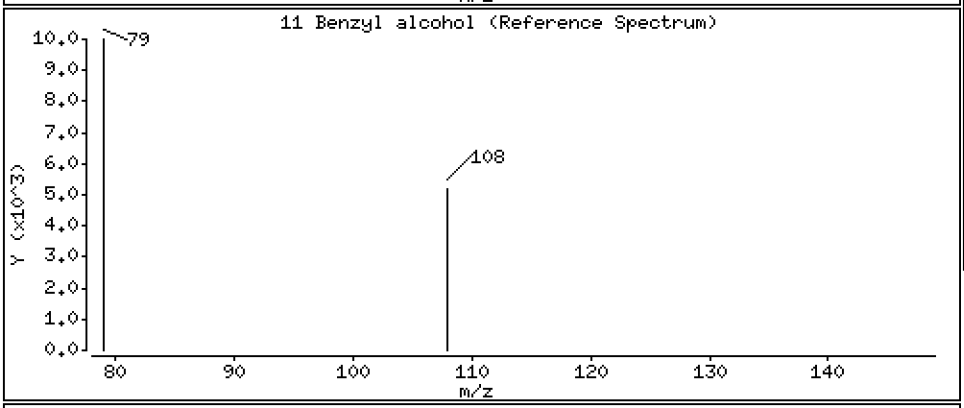
Concentration: 6.052 ug/mL

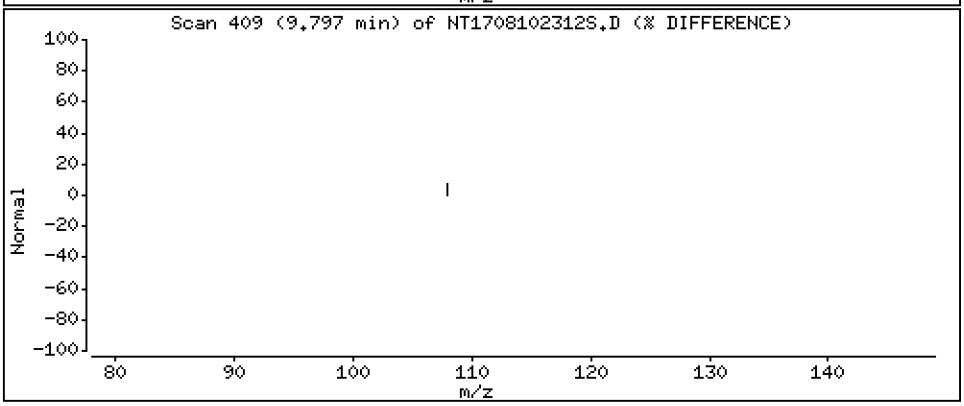












Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT17081023125.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

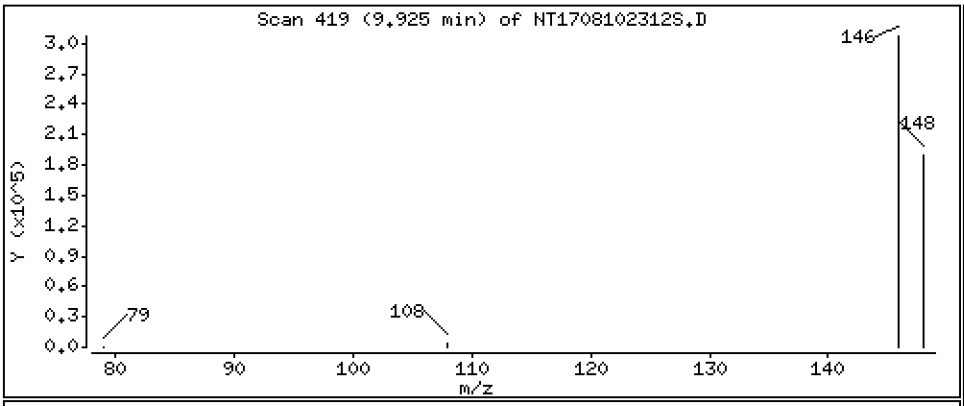
Operator: JGR

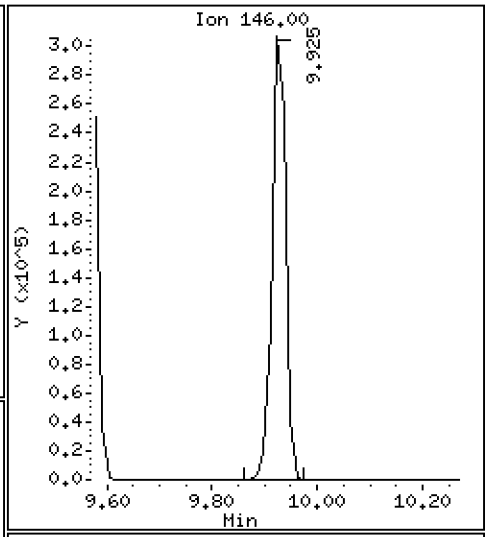
Column phase: ZB-5msi

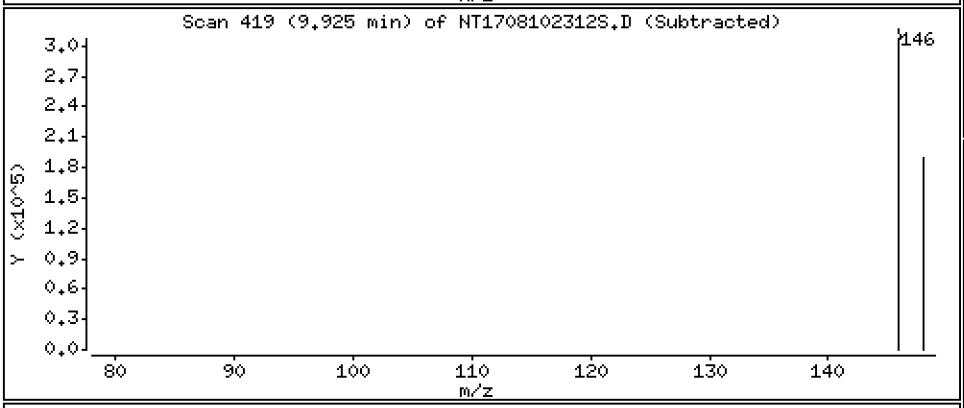
Column diameter: 0.25

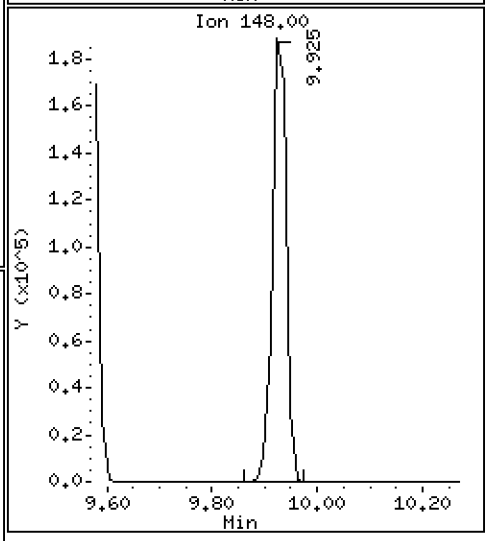
12 1,2-Dichlorobenzene

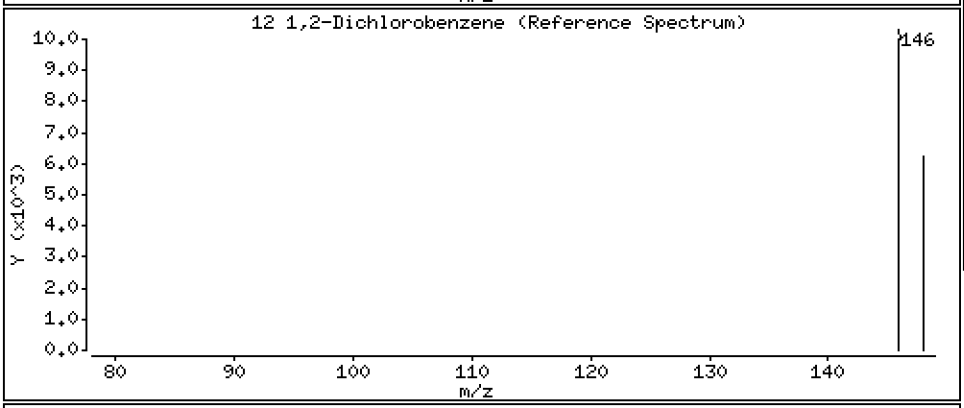
Concentration: 5.216 ug/mL

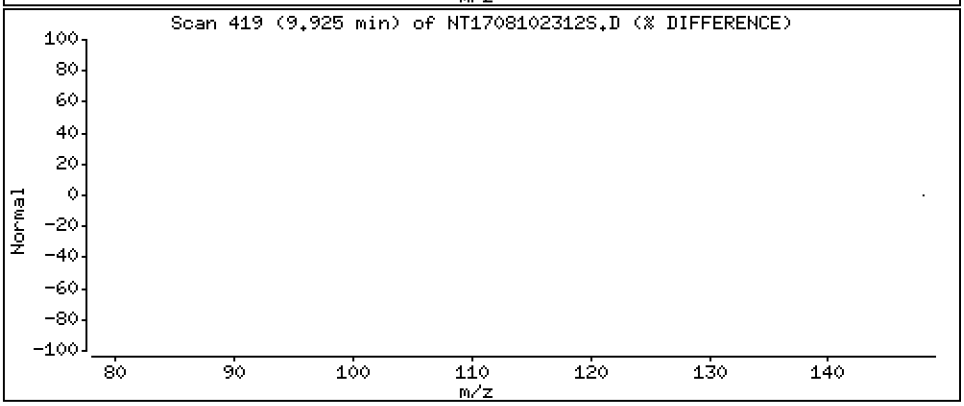












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

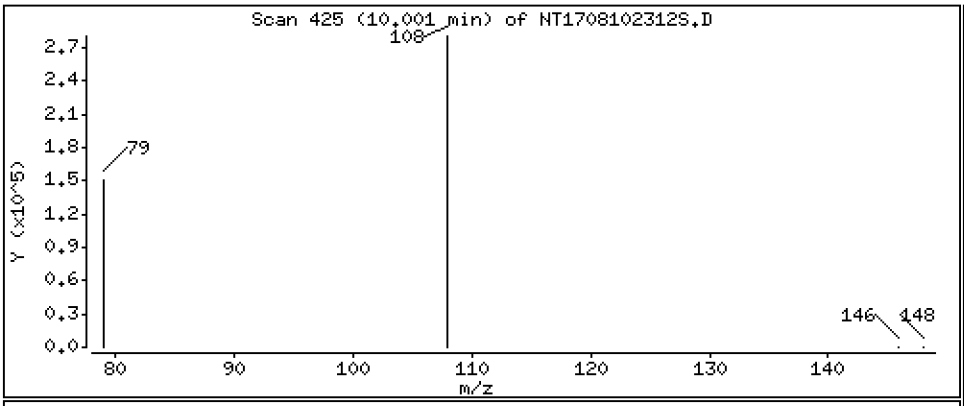
Operator: JGR

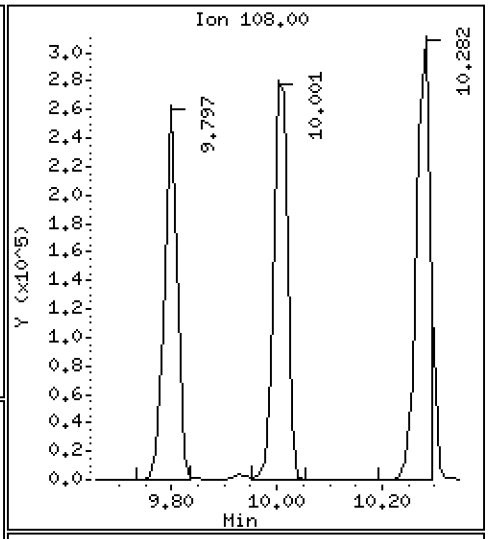
Column phase: ZB-5msi

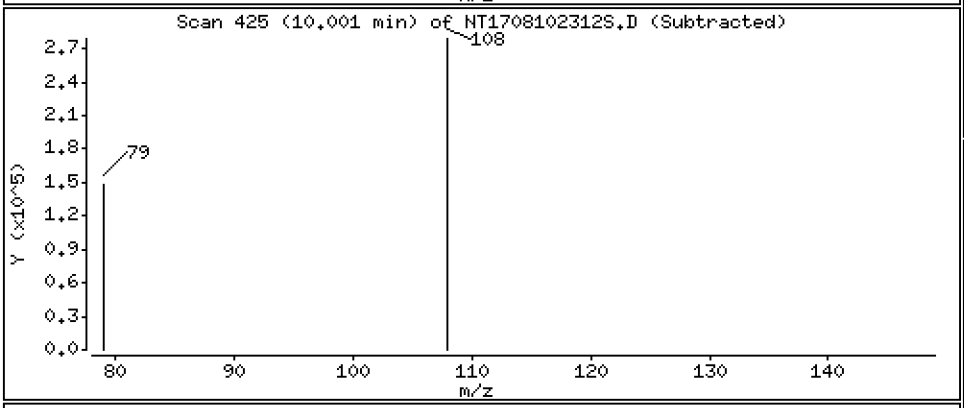
Column diameter: 0.25

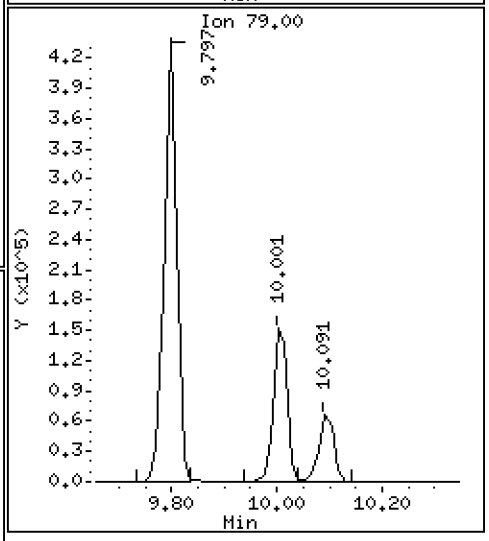
13 2-Methylphenol

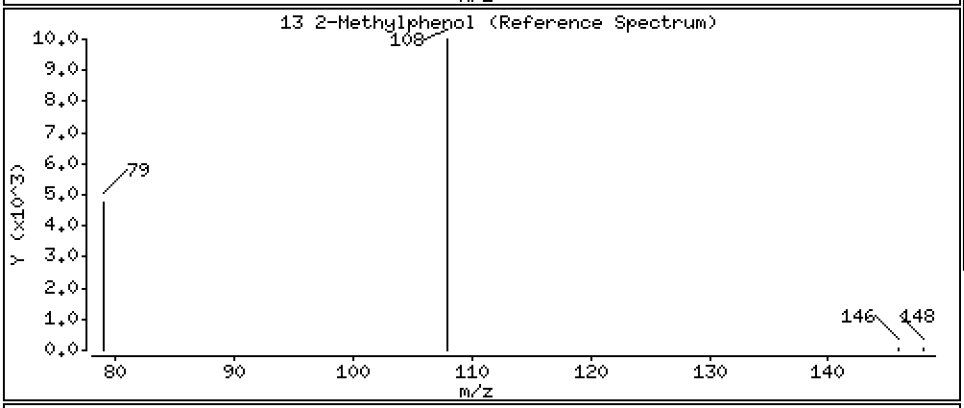
Concentration: 5.112 ug/mL

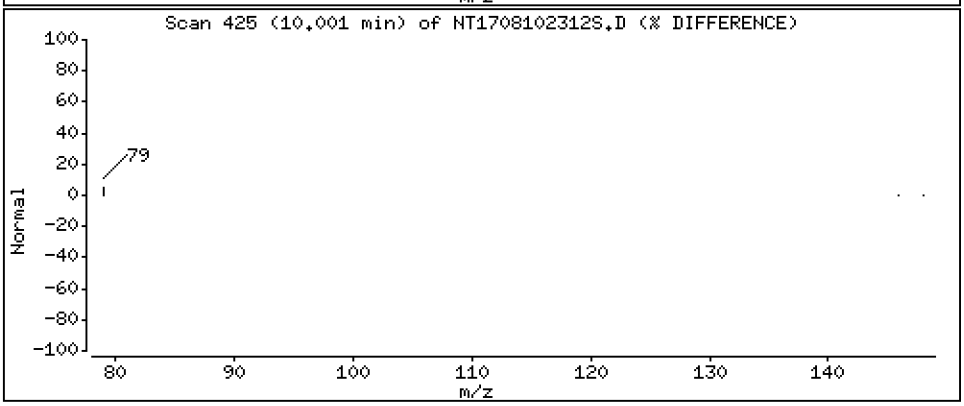












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

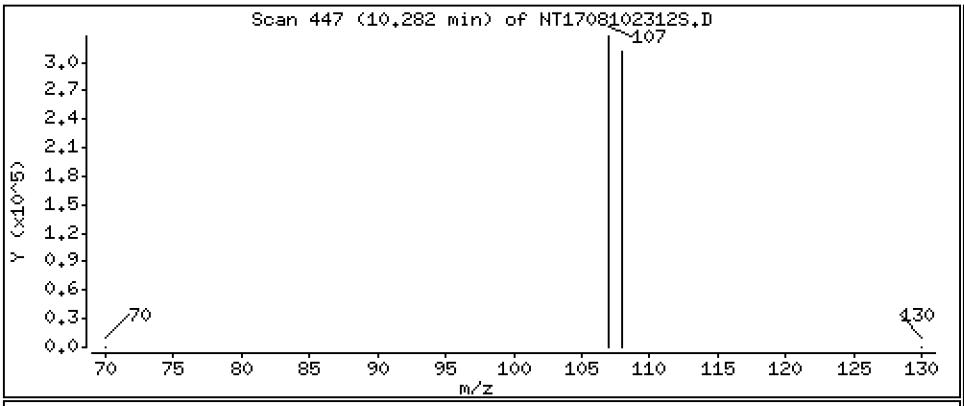
Operator: JGR

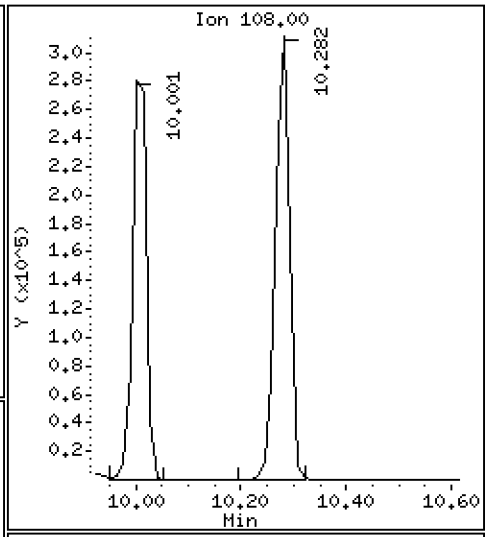
Column phase: ZB-5msi

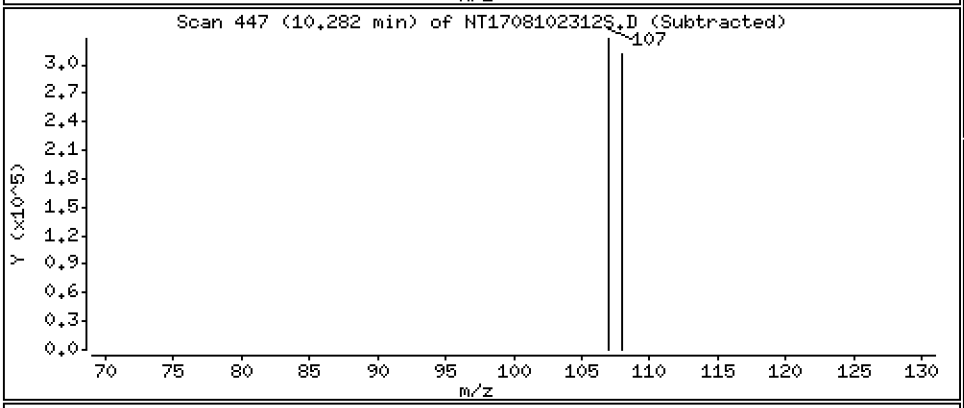
Column diameter: 0.25

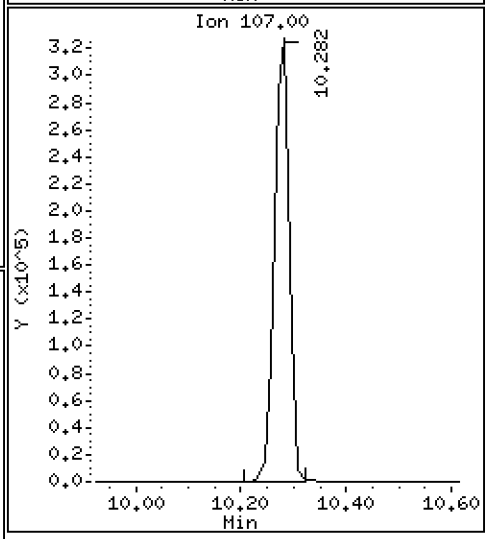
15 4-Methylphenol

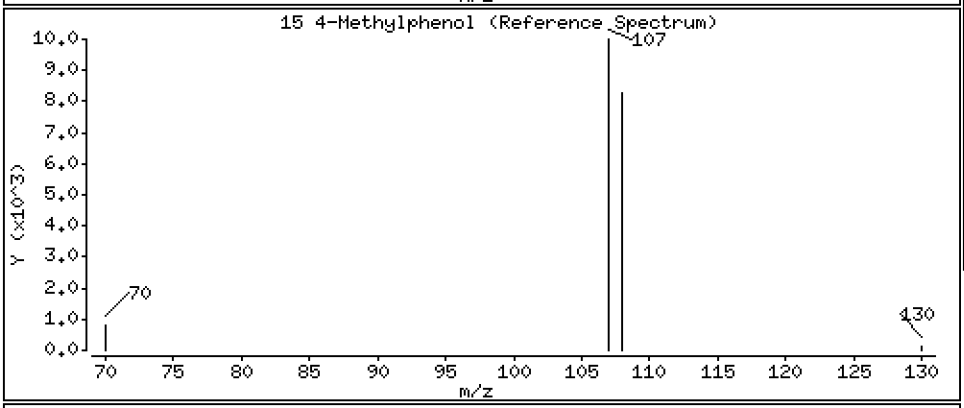
Concentration: 5.491 ug/mL

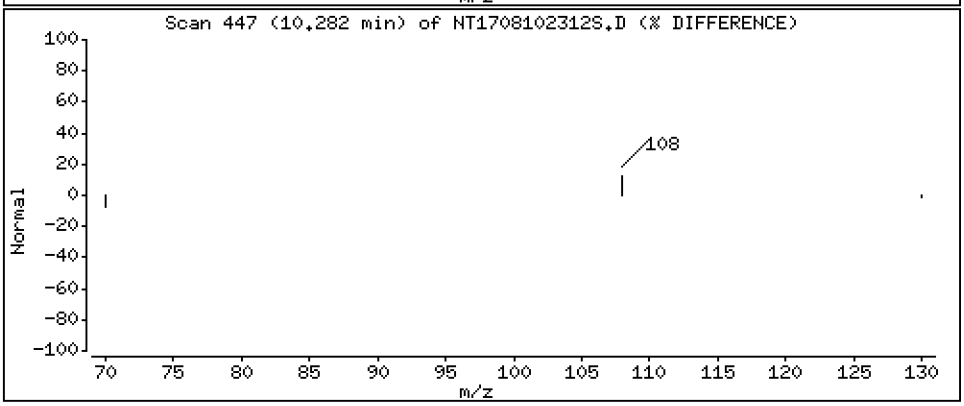












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

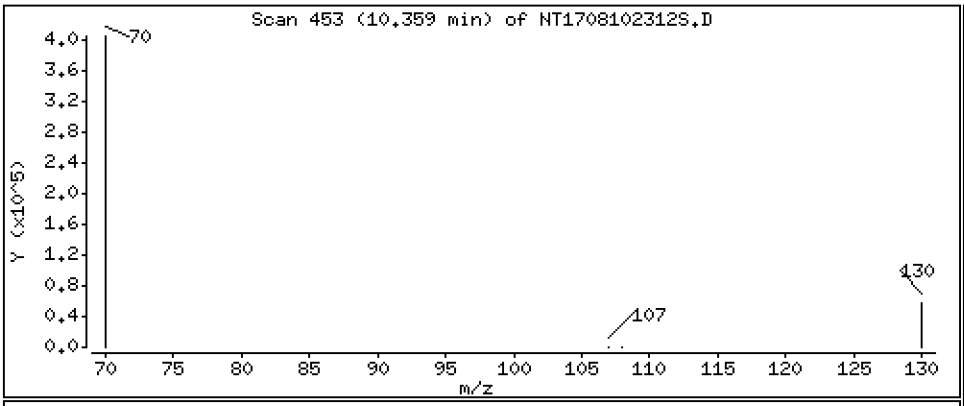
Operator: JGR

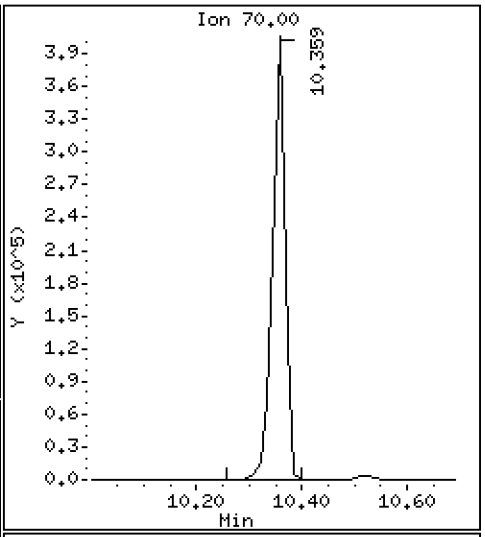
Column phase: ZB-5msi

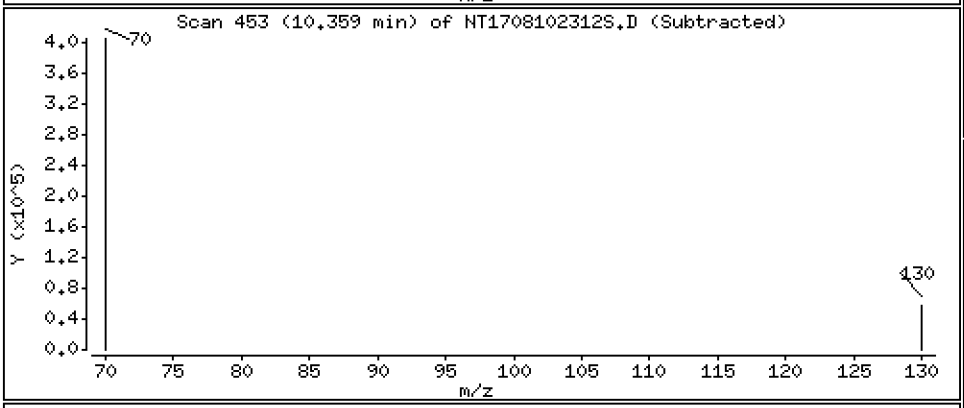
Column diameter: 0.25

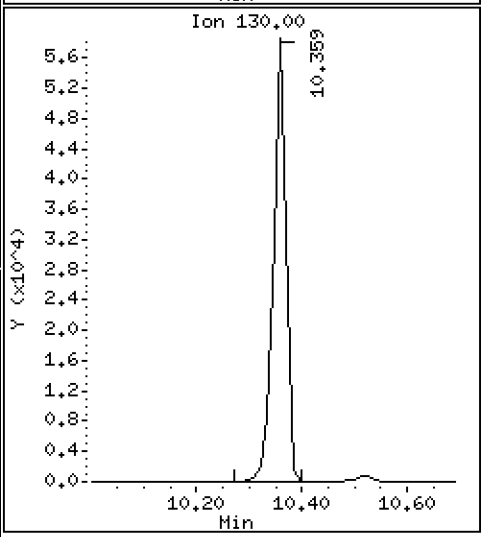
16 N-Nitroso-di-n-propylamine

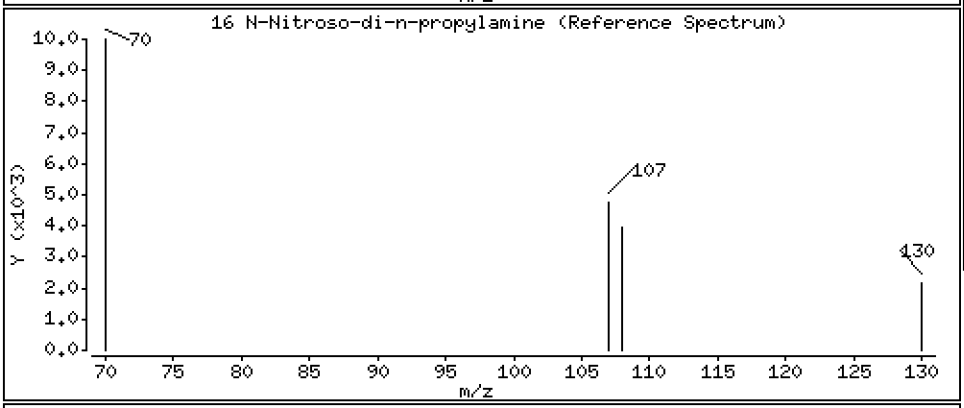
Concentration: 6.171 ug/mL

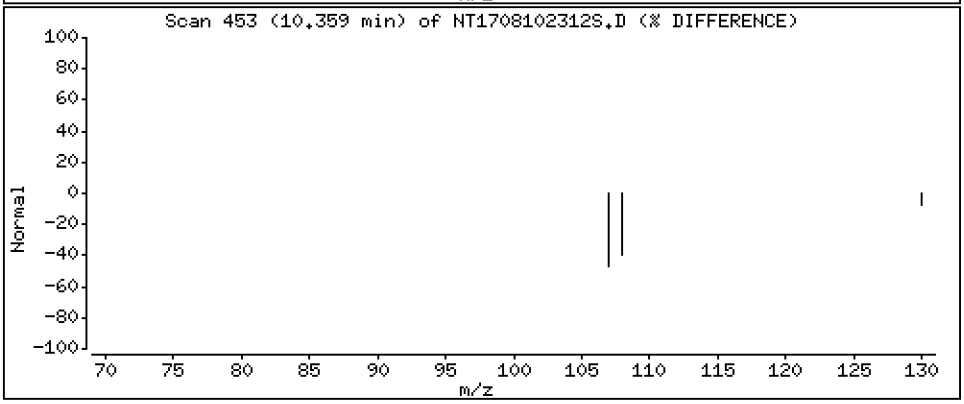












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

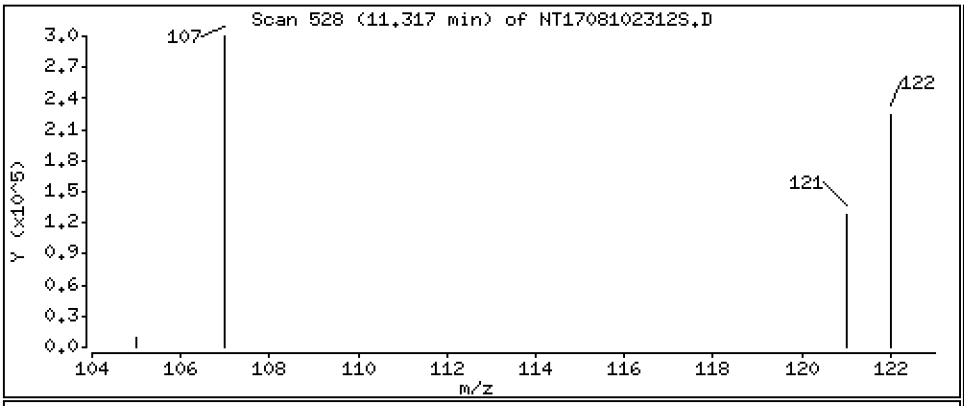
Operator: JGR

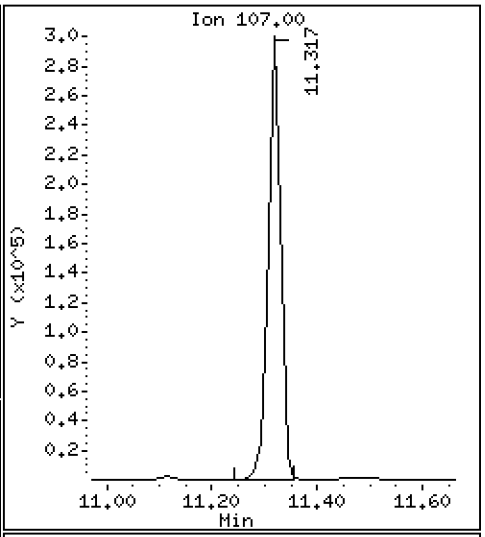
Column phase: ZB-5msi

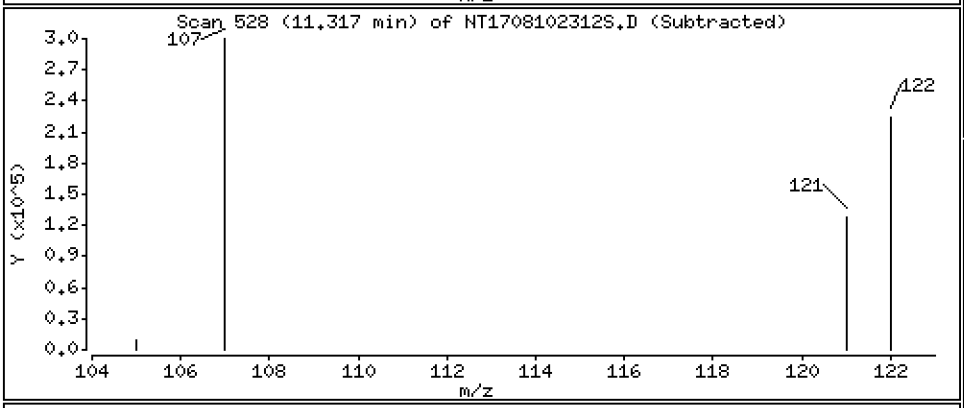
Column diameter: 0.25

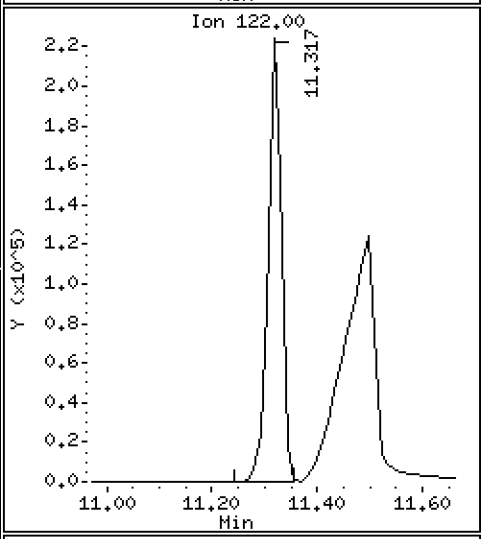
22 2,4-Dimethylphenol

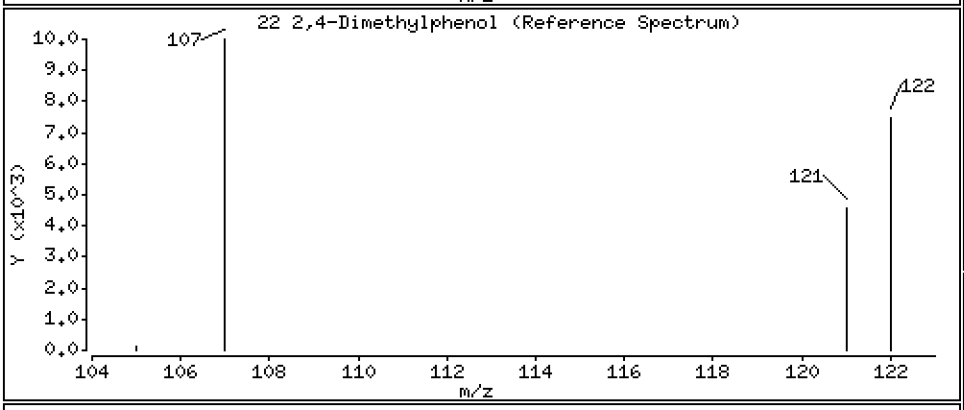
Concentration: 4.520 ug/mL

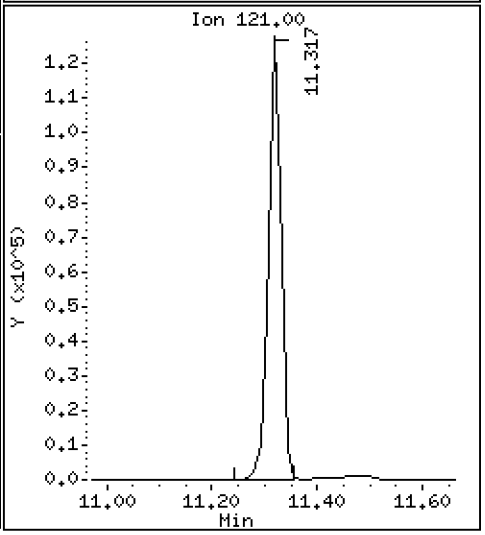


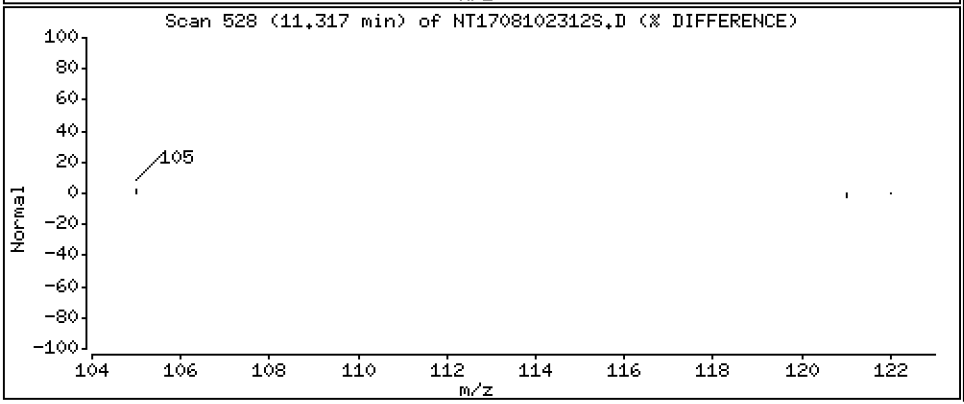












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

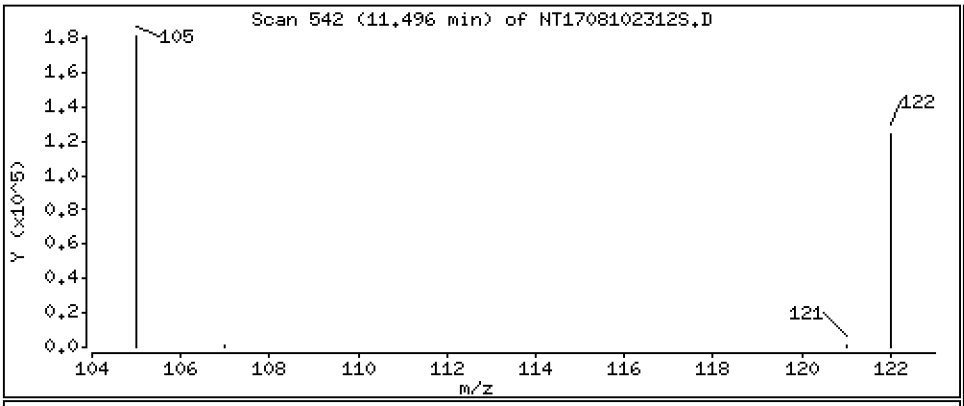
Operator: JGR

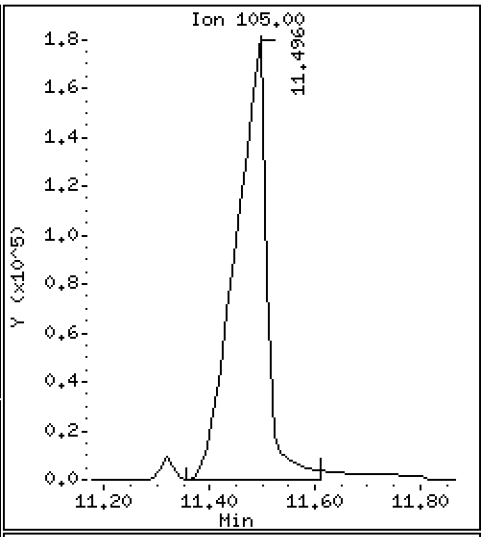
Column phase: ZB-5msi

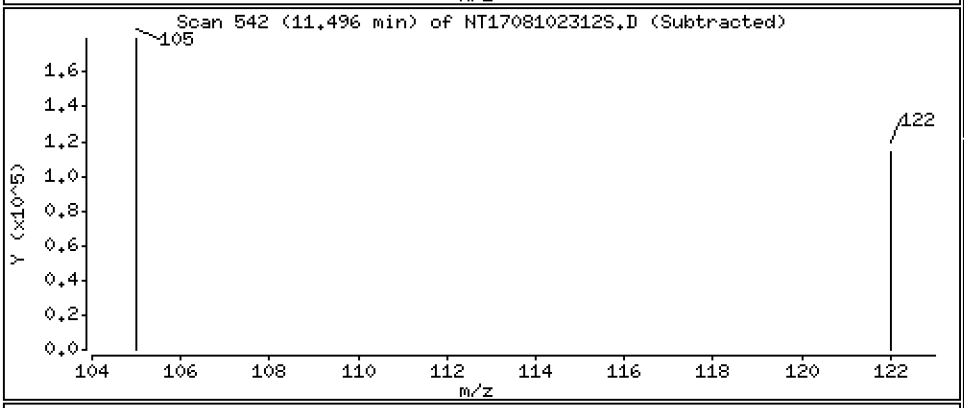
Column diameter: 0.25

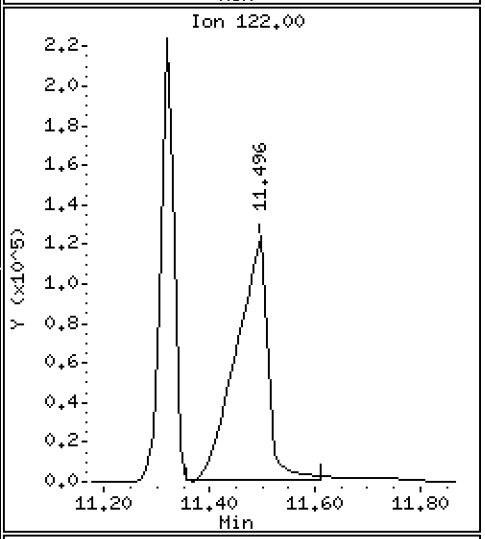
24 Benzoic acid

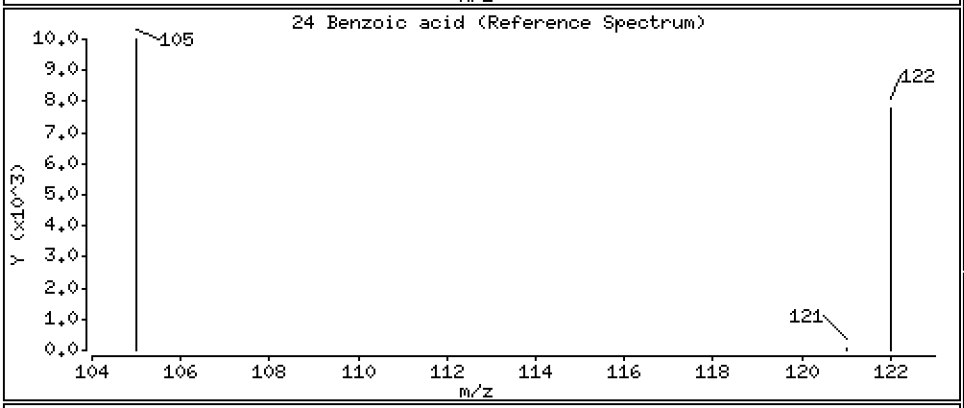
Concentration: 9.959 ug/mL

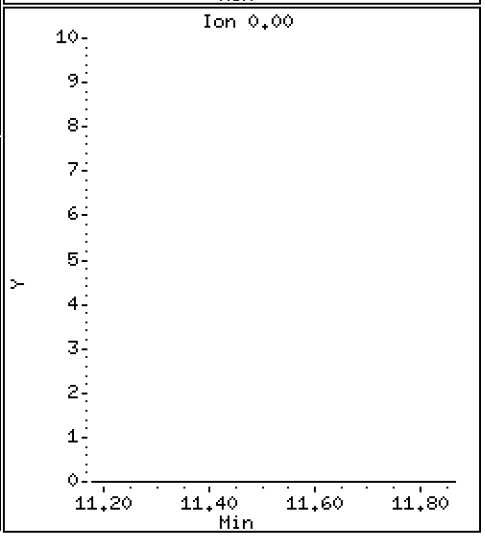


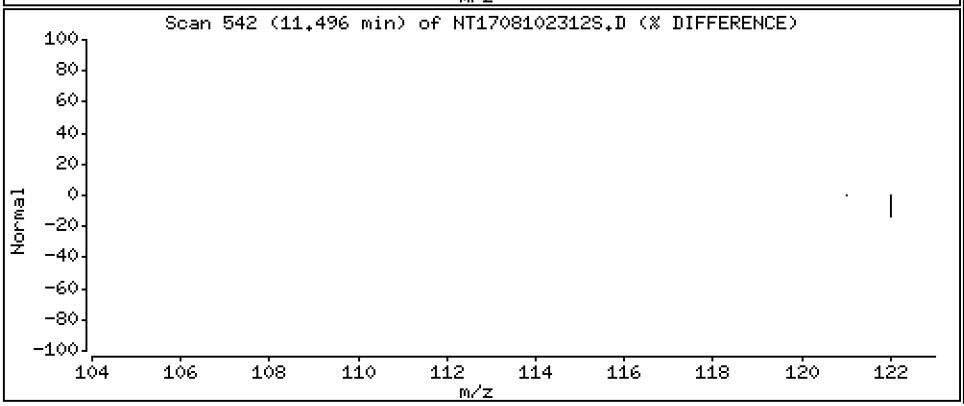












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

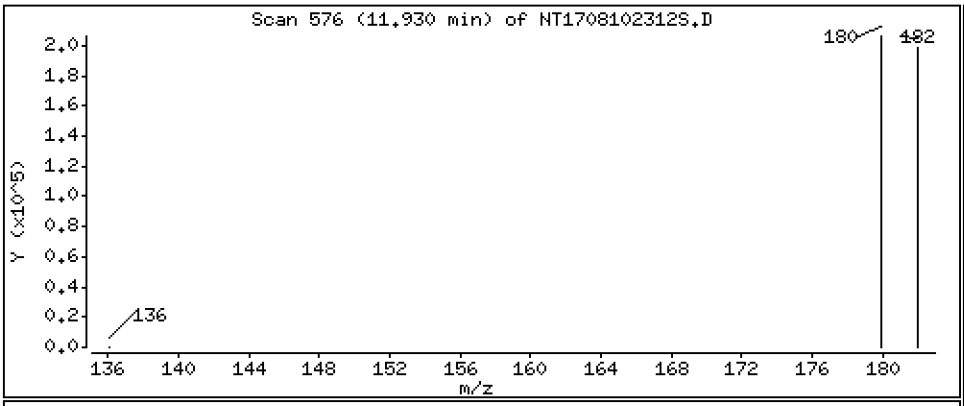
Operator: JGR

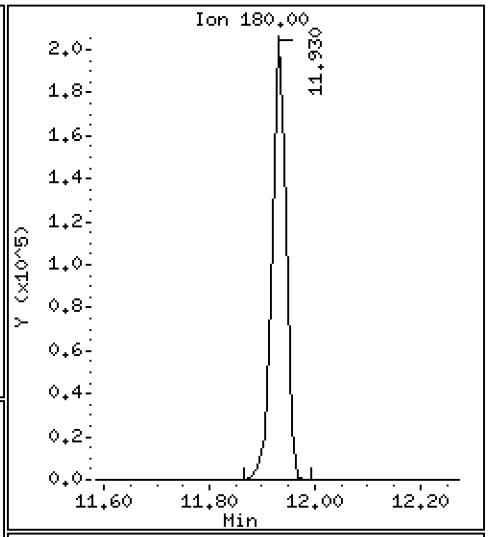
Column phase: ZB-5msi

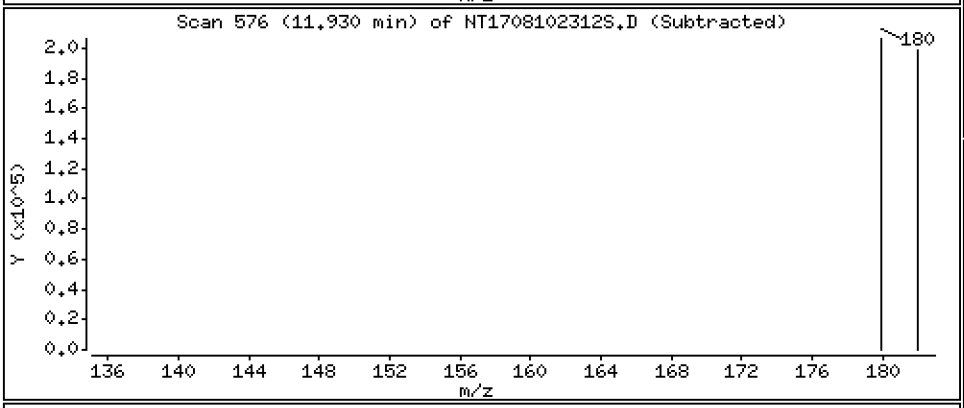
Column diameter: 0.25

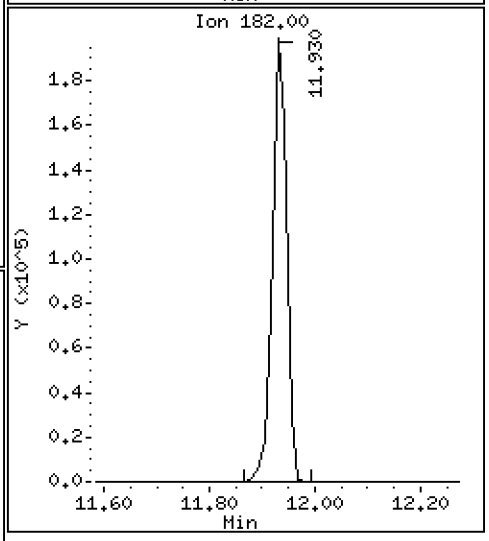
26 1,2,4-Trichlorobenzene

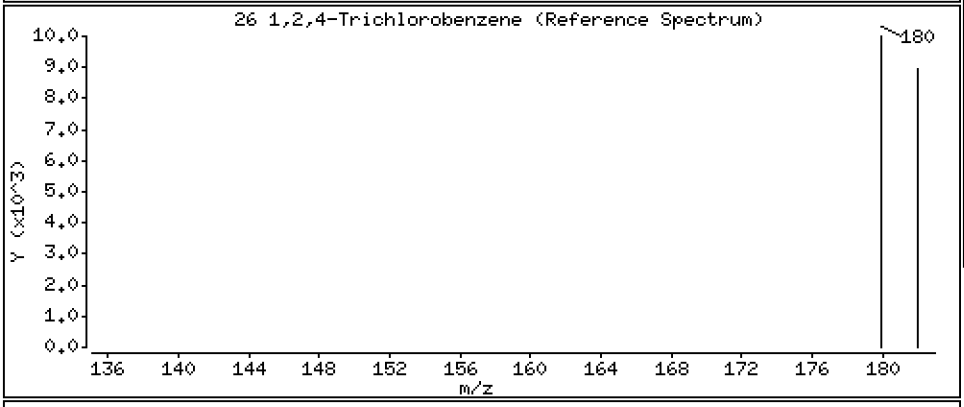
Concentration: 5.028 ug/mL

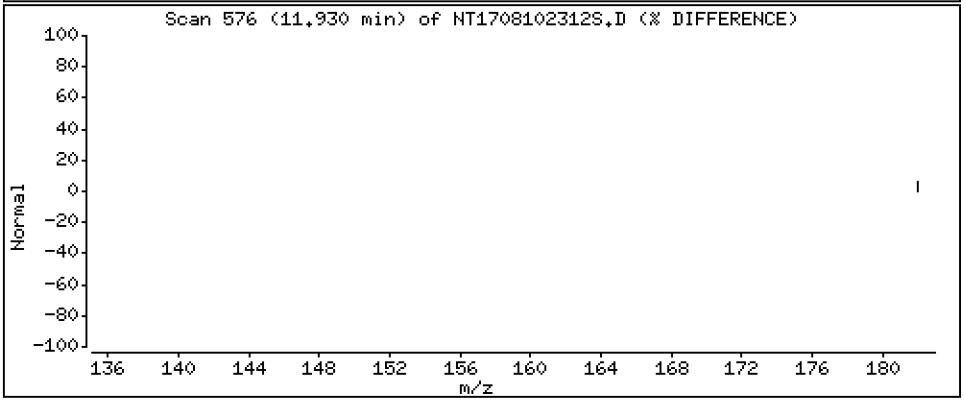












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

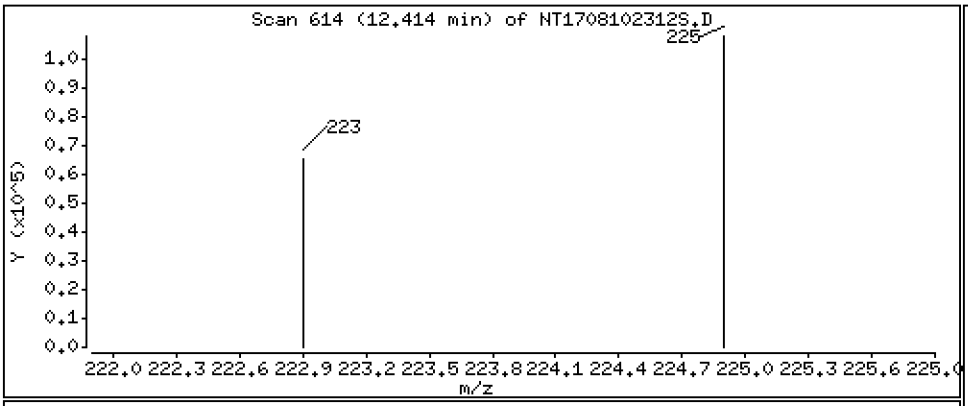
Operator: JGR

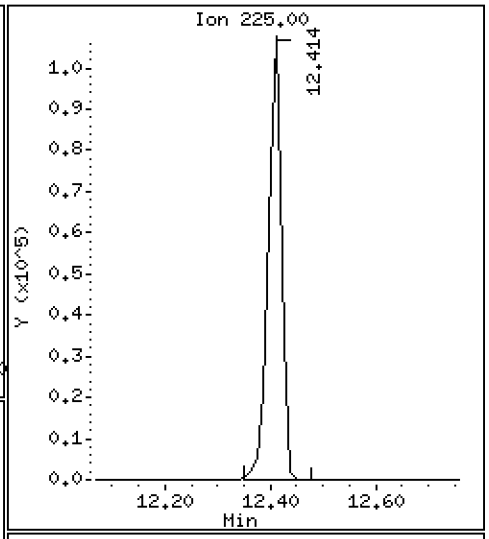
Column phase: ZB-5msi

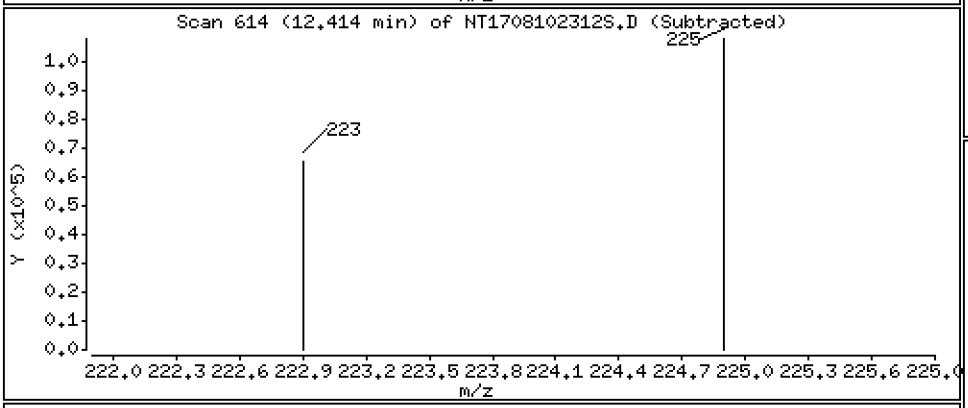
Column diameter: 0.25

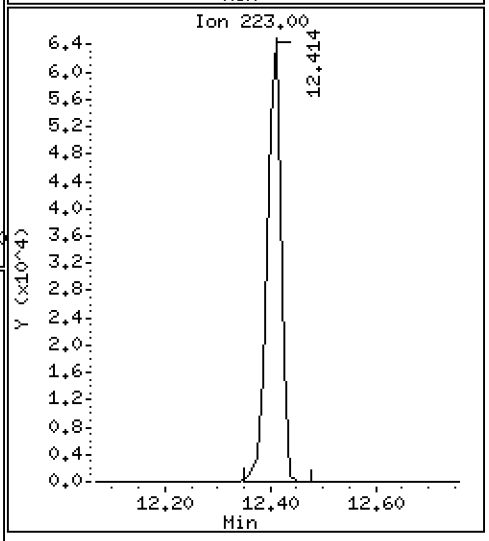
30 Hexachlorobutadiene

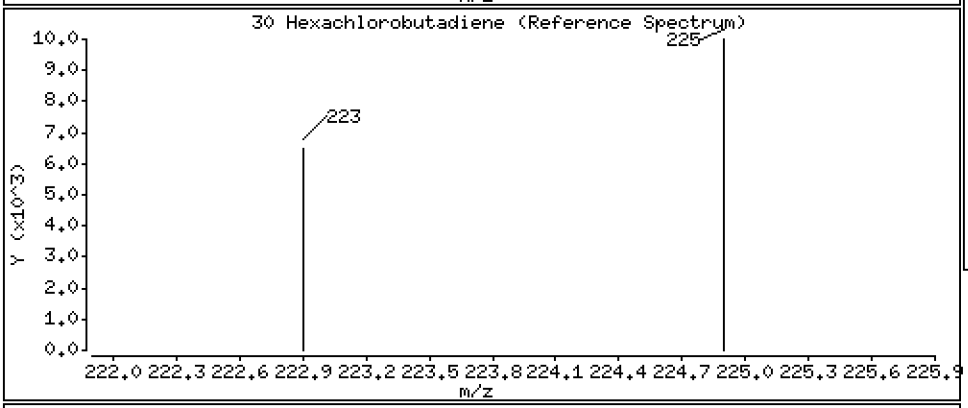
Concentration: 5.378 ug/mL

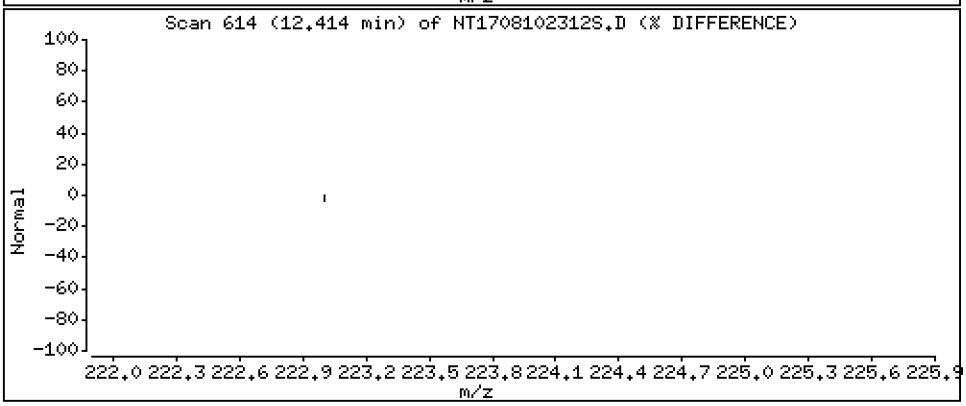












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

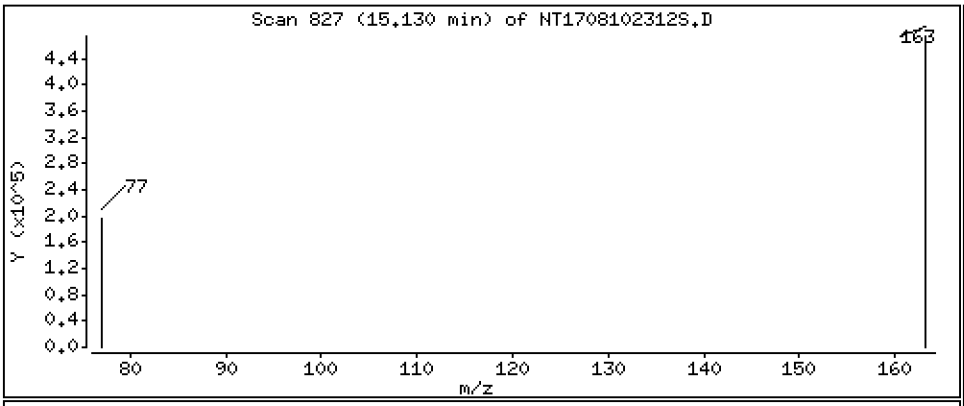
Operator: JGR

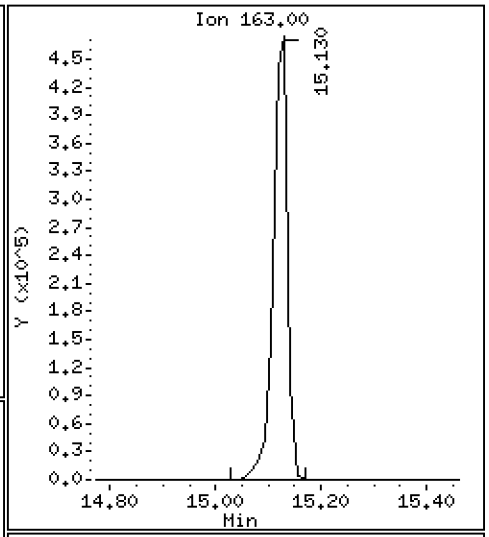
Column phase: ZB-5msi

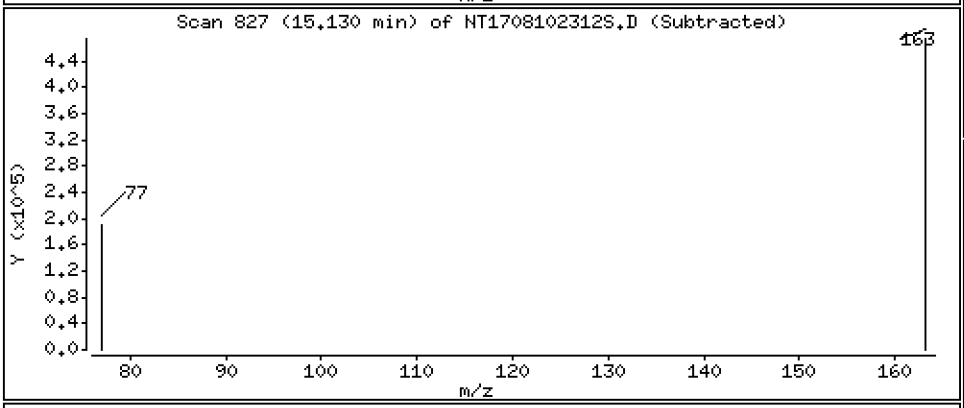
Column diameter: 0.25

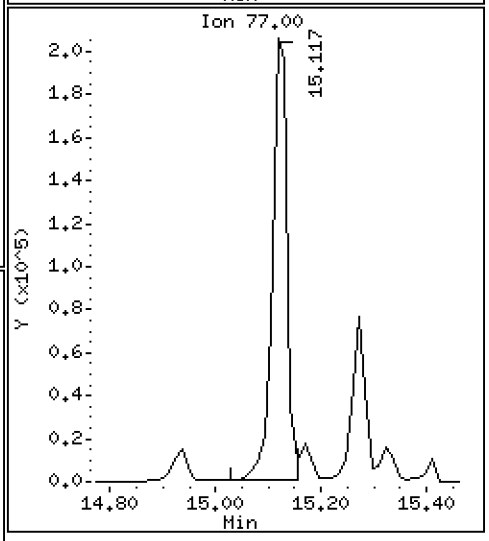
39 Dimethylphthalate

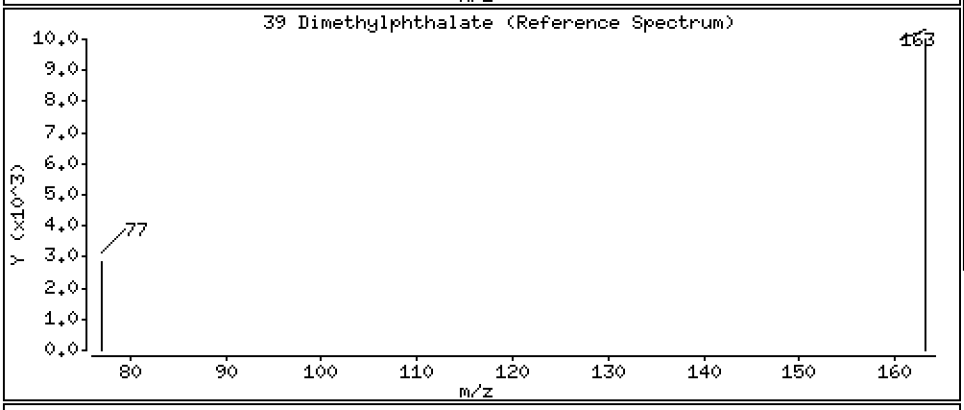
Concentration: 5.868 ug/mL

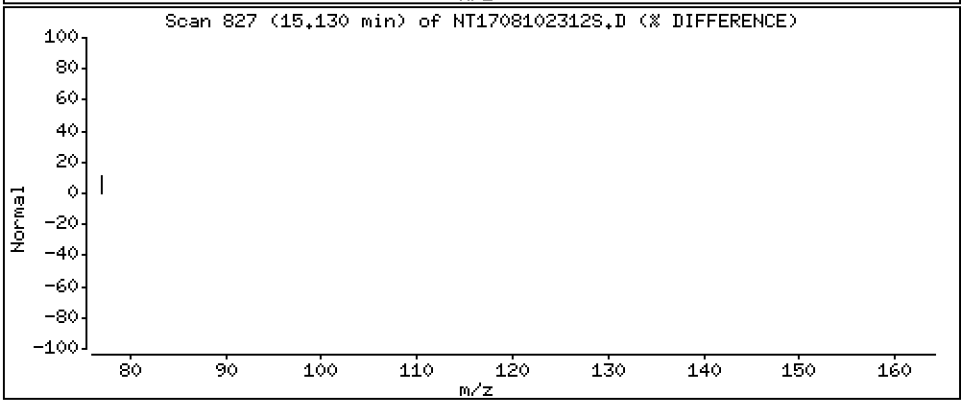












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

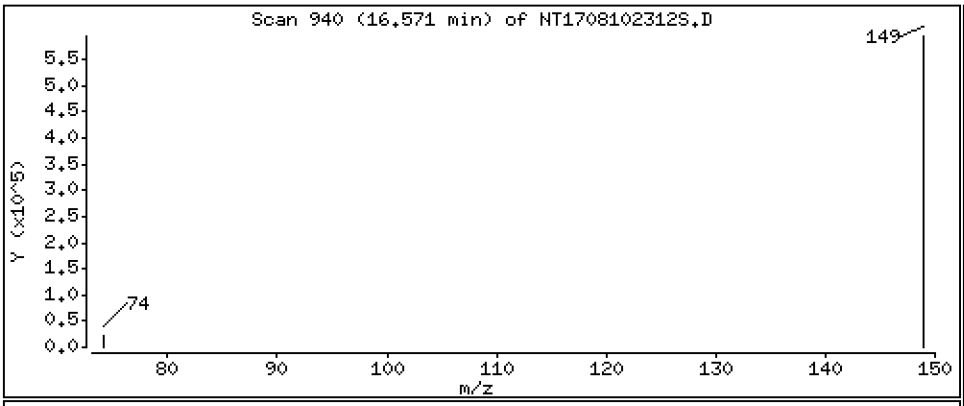
Operator: JGR

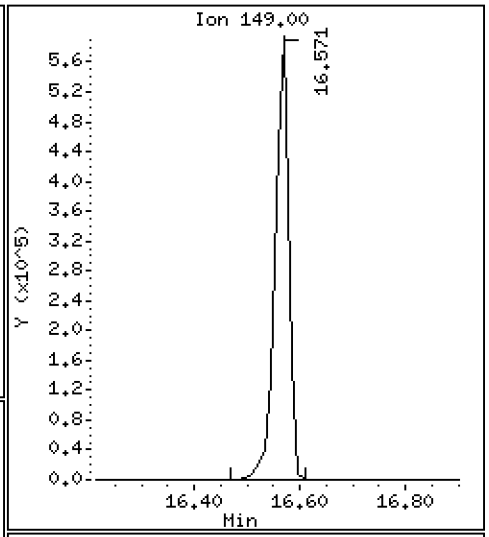
Column phase: ZB-5msi

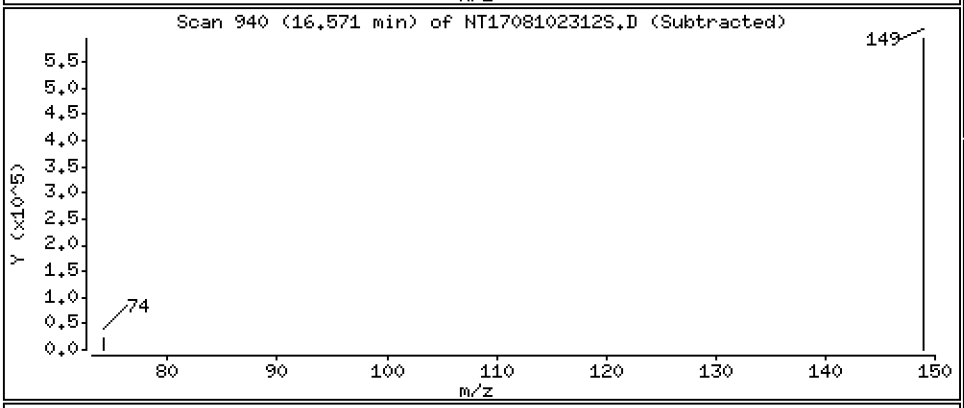
Column diameter: 0.25

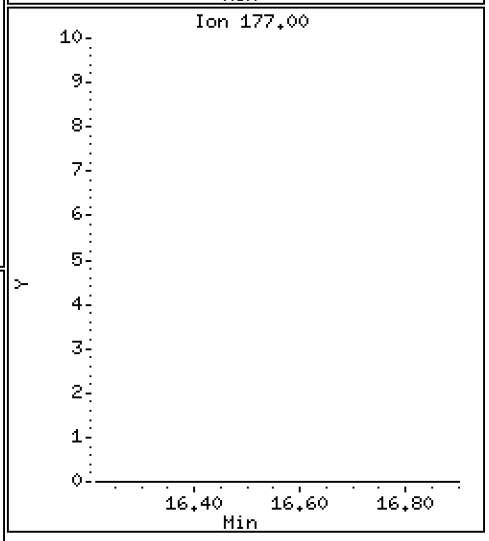
50 Diethylphthalate

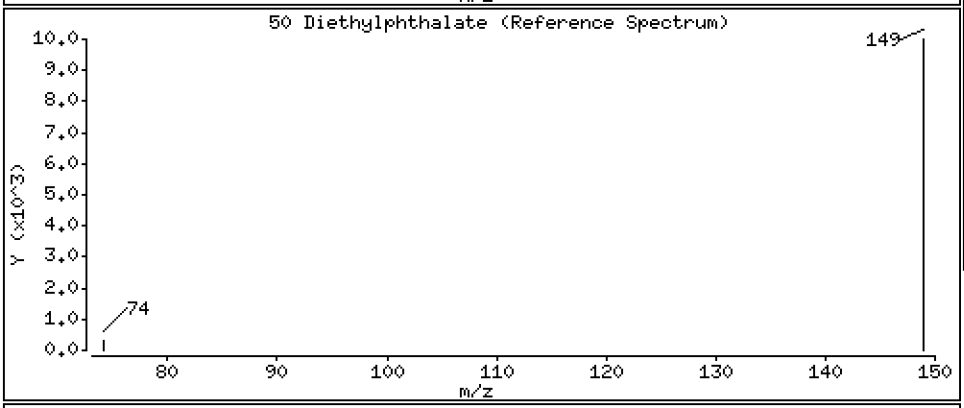
Concentration: 6.387 ug/mL

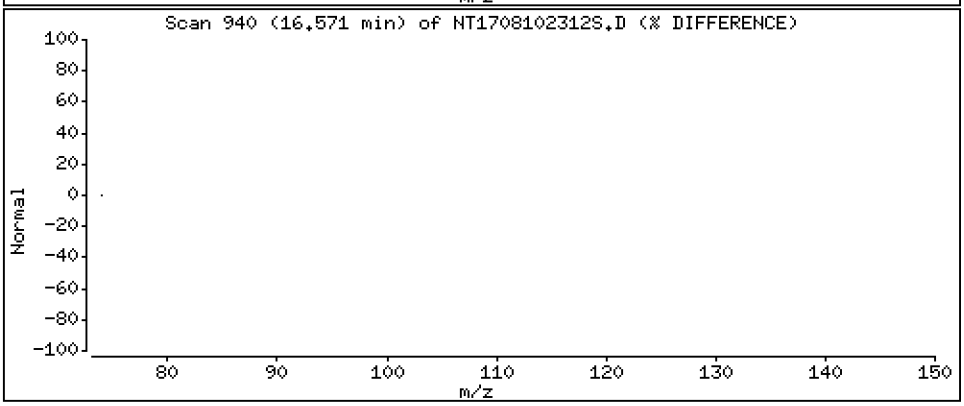












Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT17081023125.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

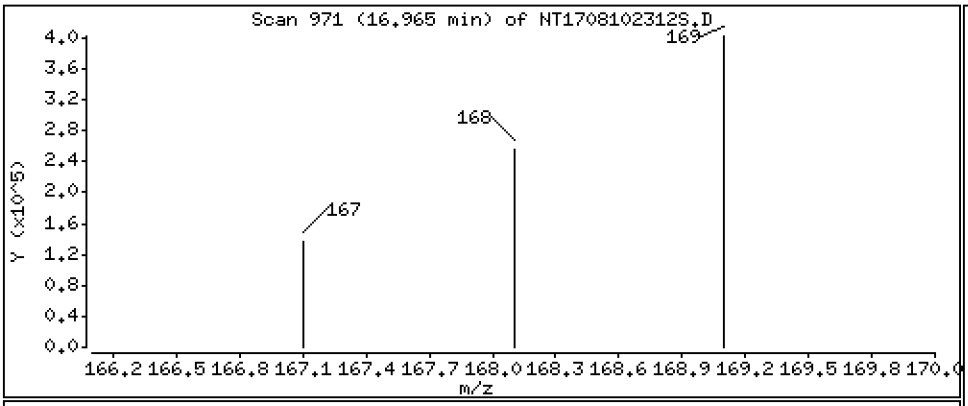
Operator: JGR

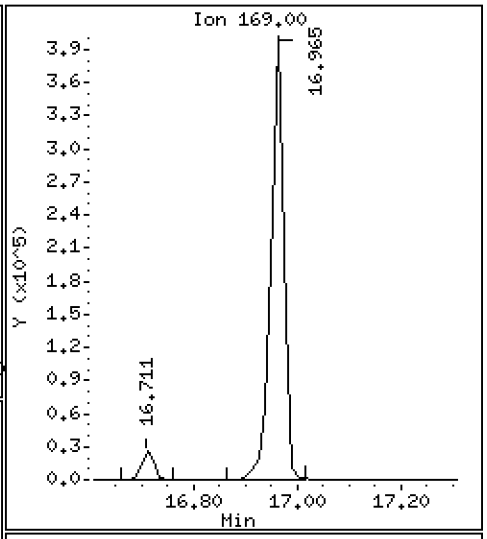
Column phase: ZB-5msi

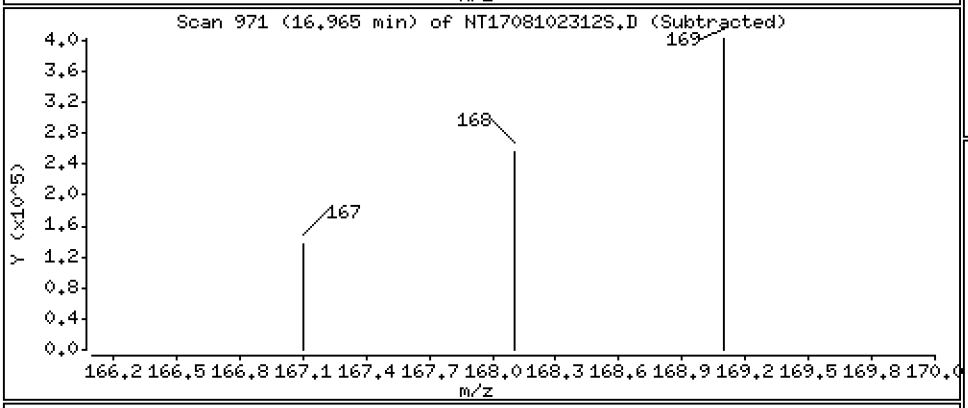
Column diameter: 0.25

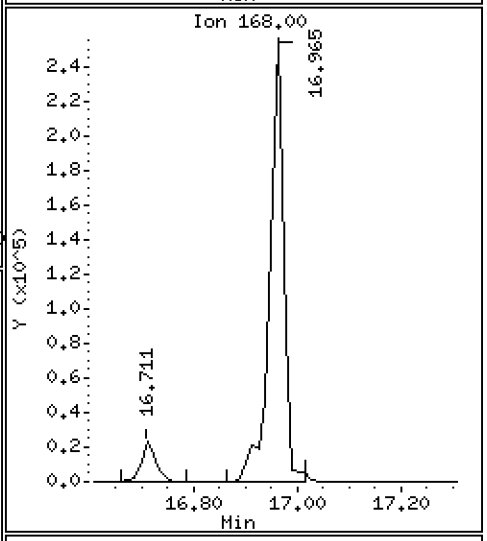
54 N-Nitrosodiphenylamine

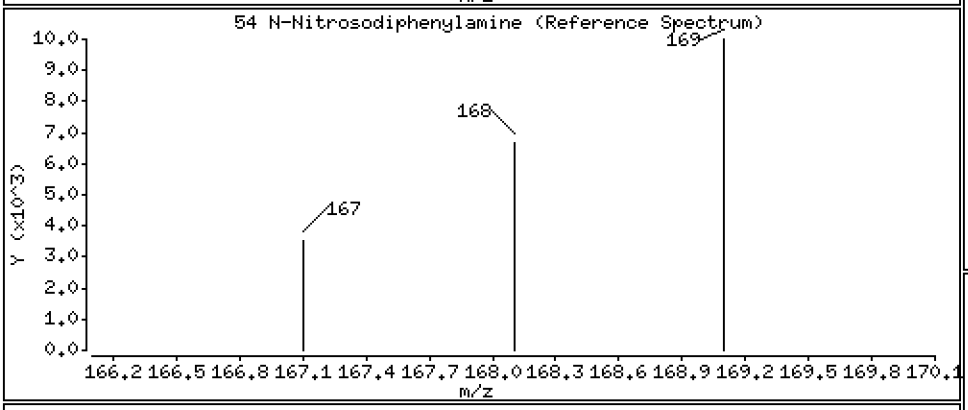
Concentration: 5.881 ug/mL

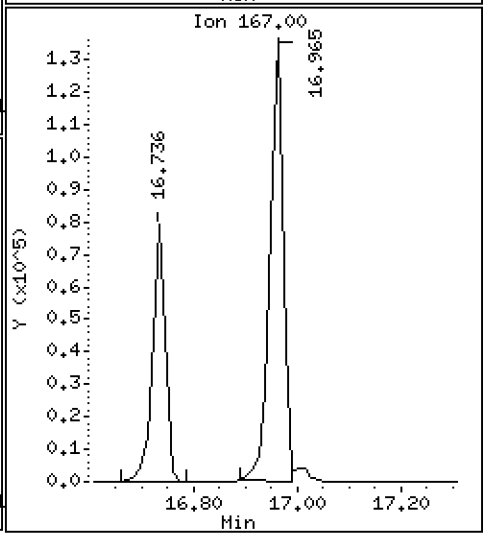


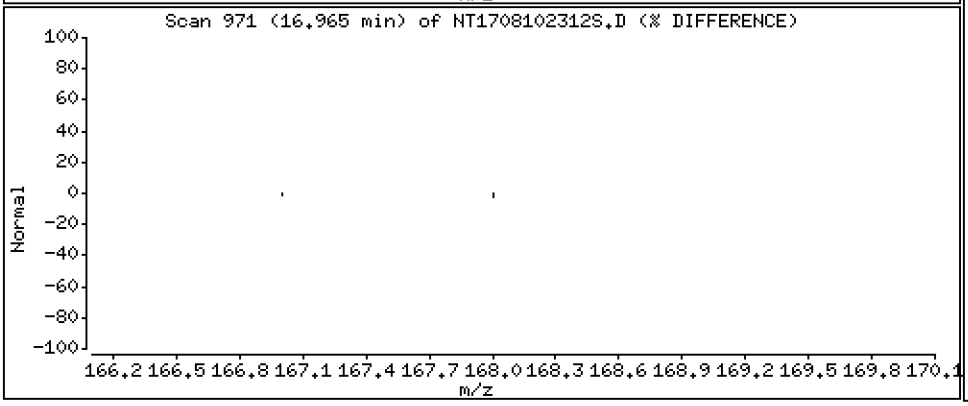












Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT17081023125.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

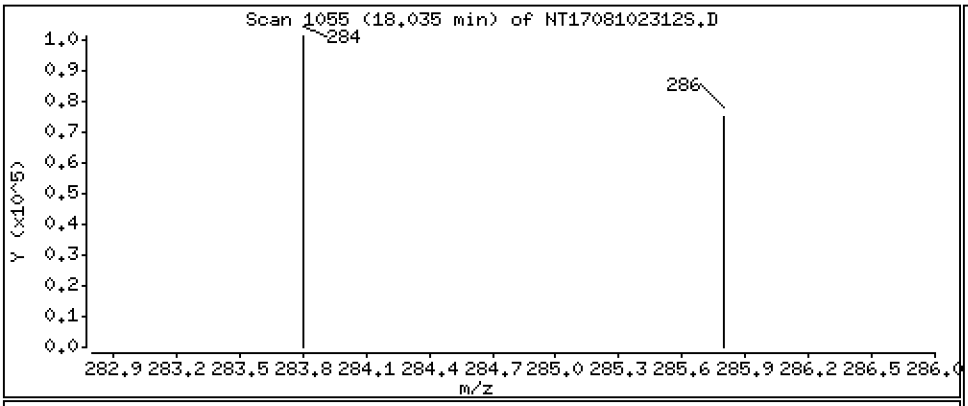
Operator: JGR

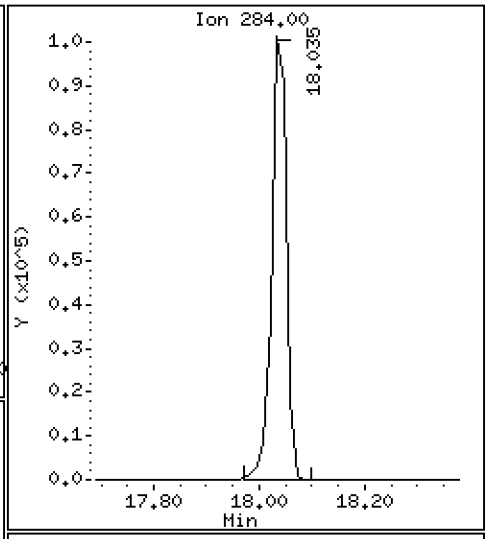
Column phase: ZB-5msi

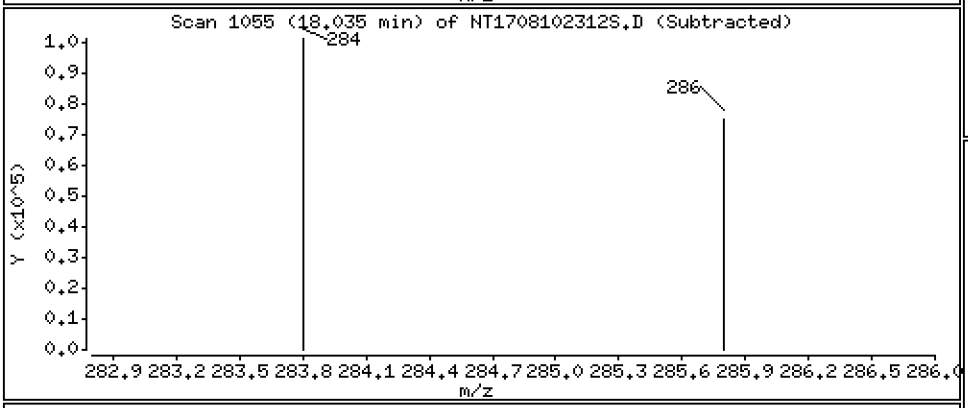
Column diameter: 0.25

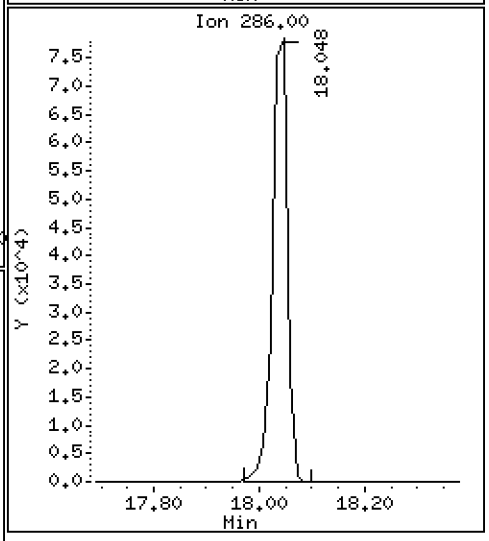
57 Hexachlorobenzene

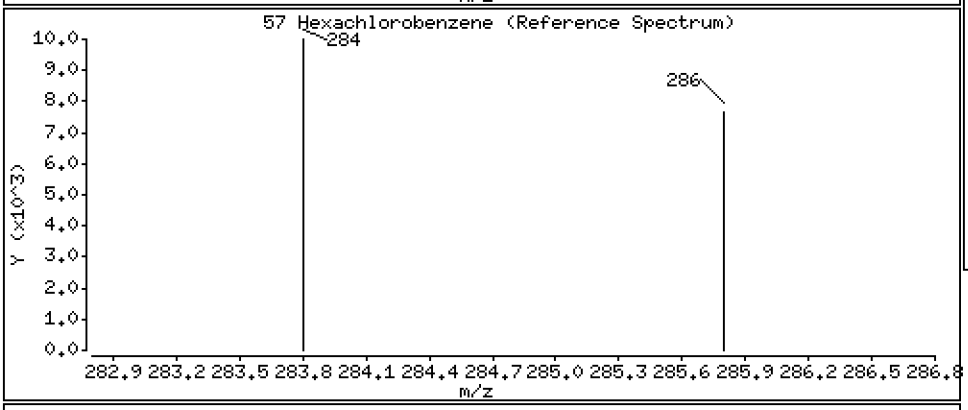
Concentration: 5.215 ug/mL

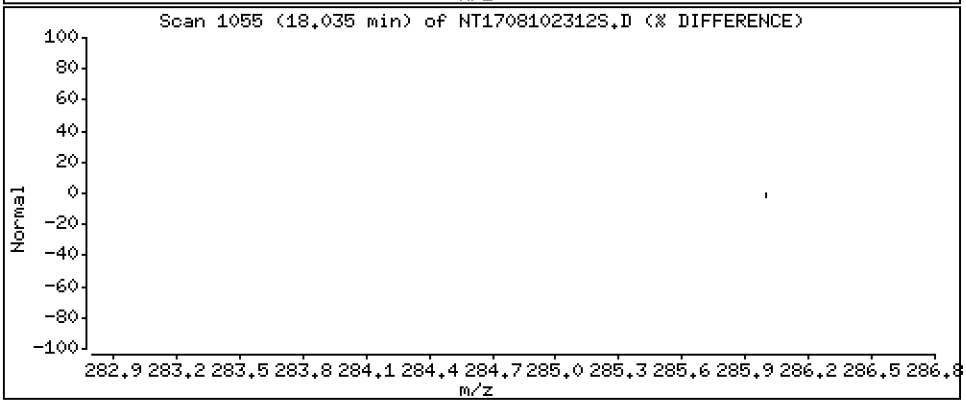












Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT17081023125.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

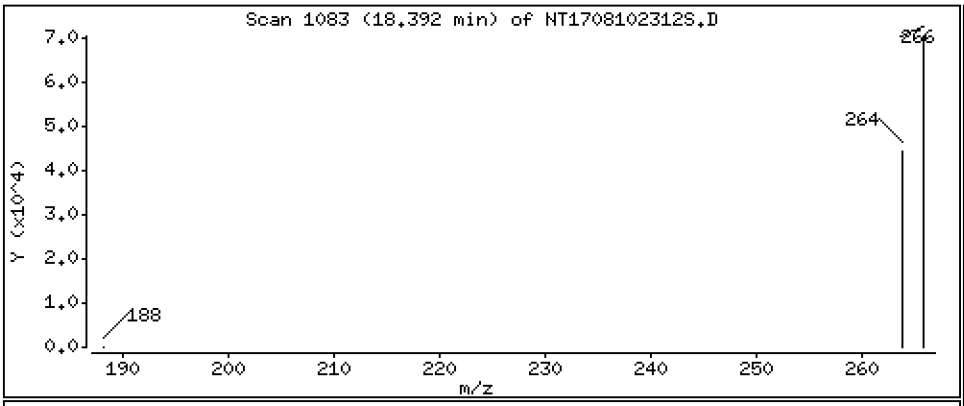
Operator: JGR

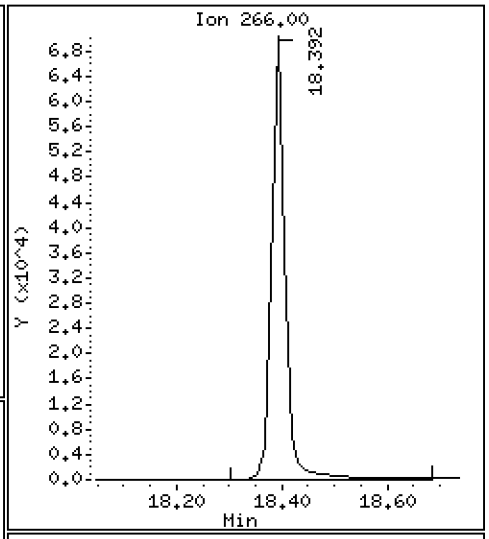
Column phase: ZB-5msi

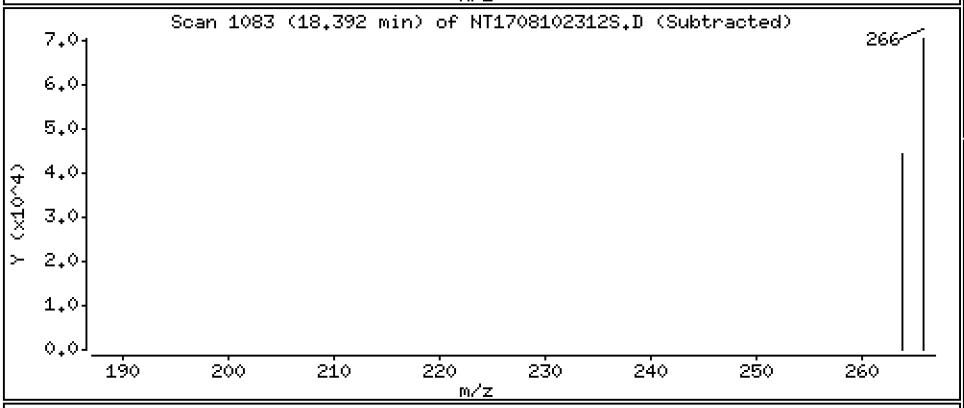
Column diameter: 0.25

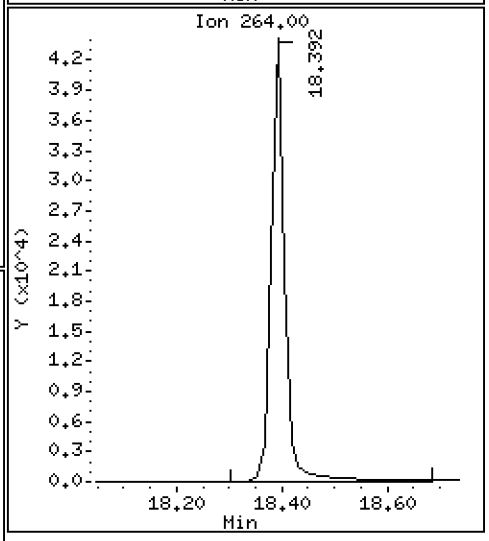
58 Pentachlorophenol

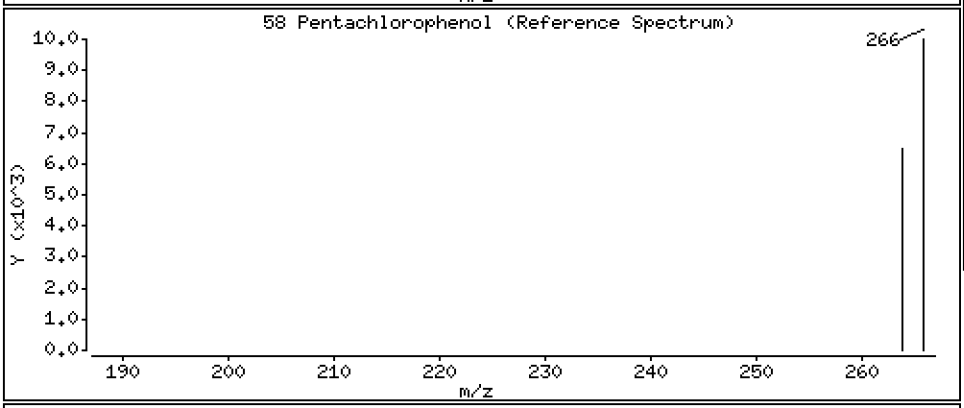
Concentration: 4.844 ug/mL

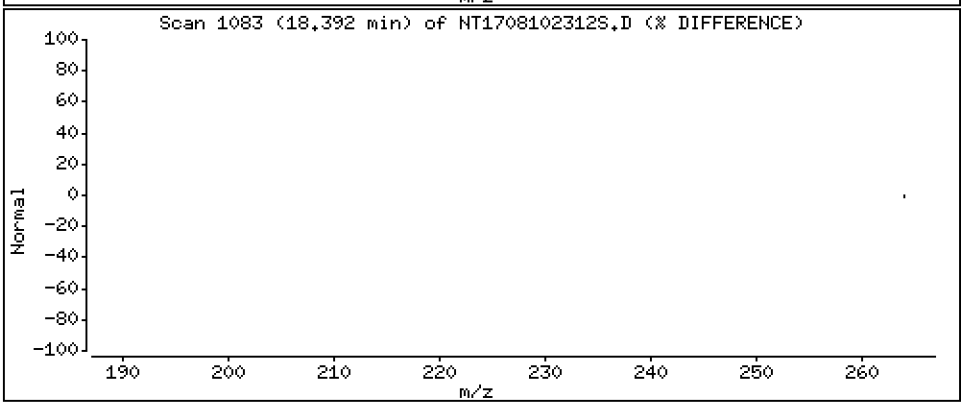












Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT17081023125.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

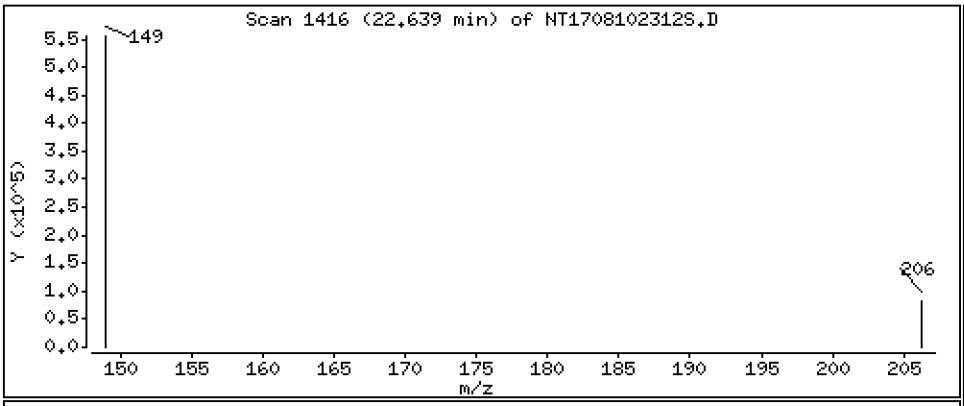
Operator: JGR

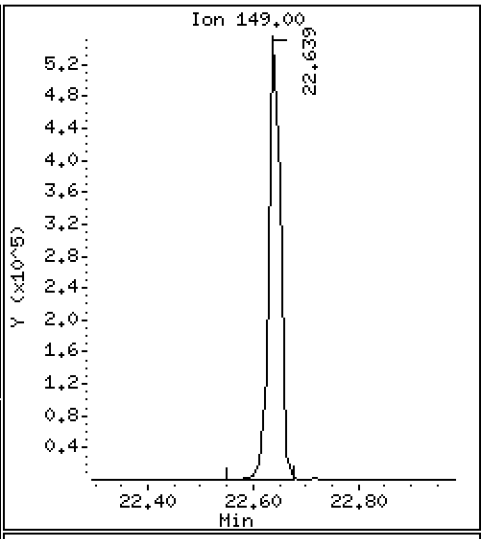
Column phase: ZB-5msi

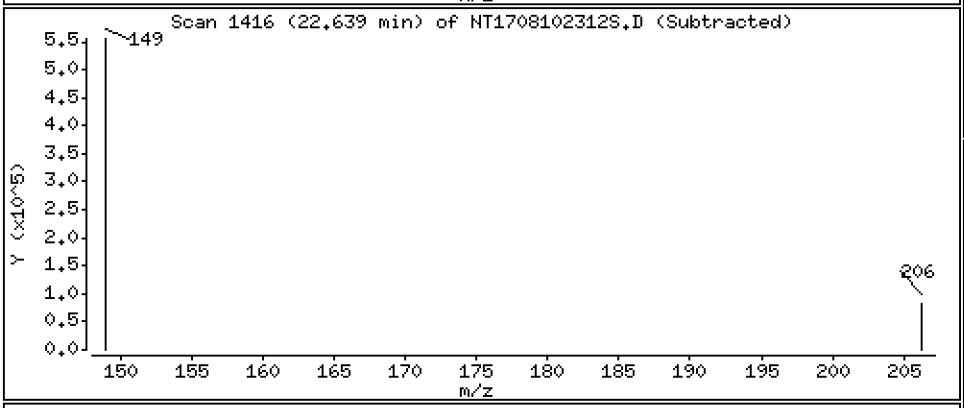
Column diameter: 0.25

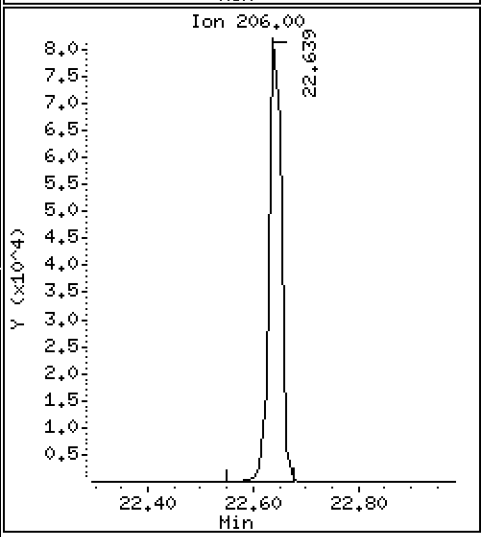
67 Butylbenzylphthalate

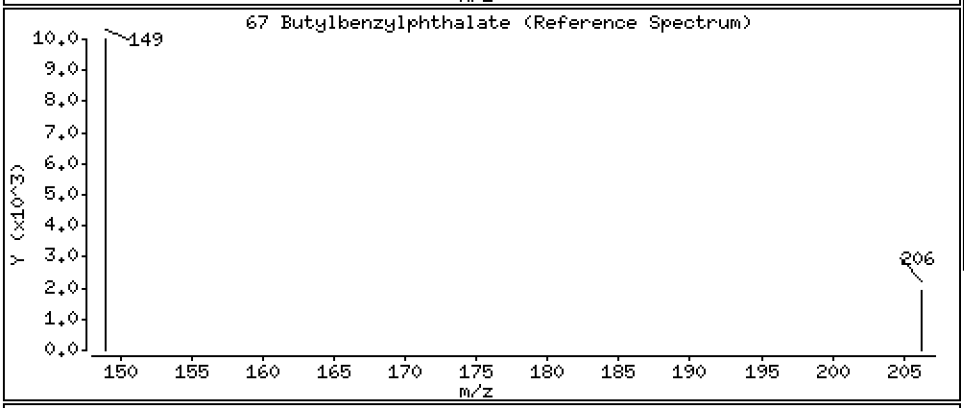
Concentration: 5.503 ug/mL

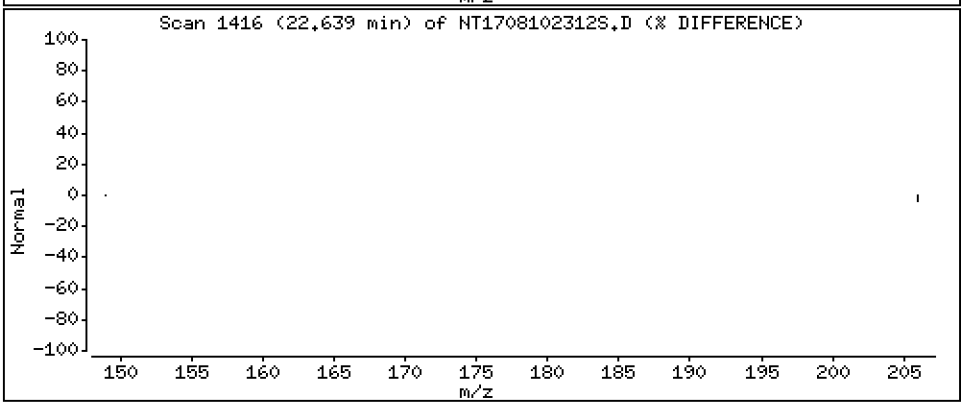












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

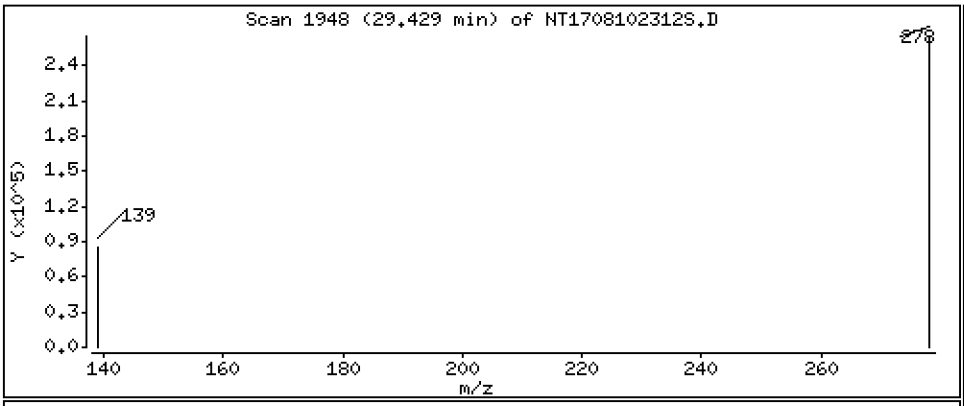
Operator: JGR

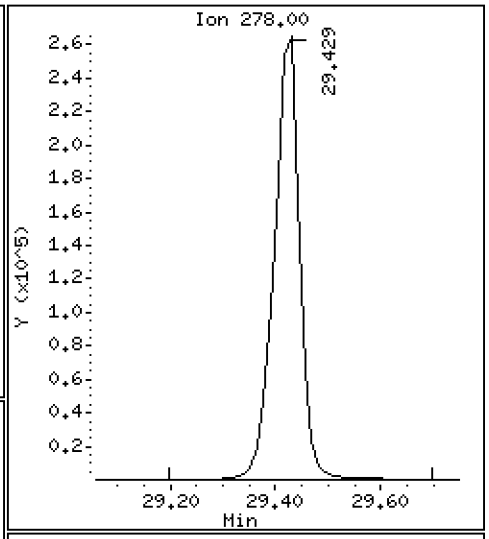
Column phase: ZB-5msi

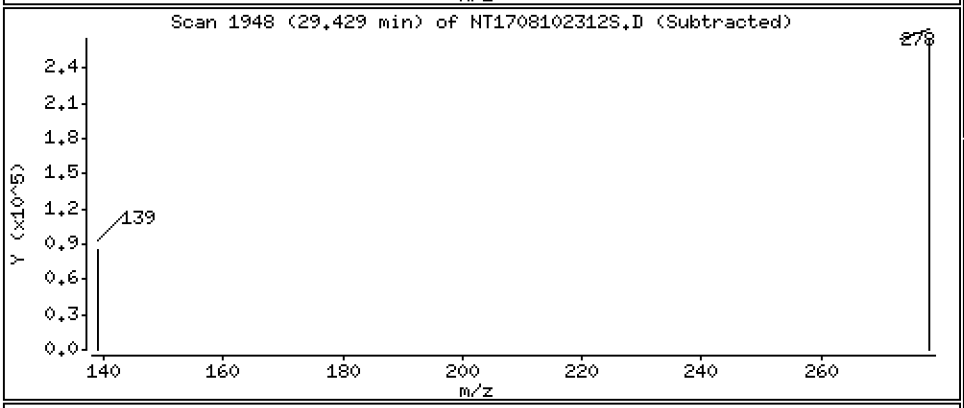
Column diameter: 0.25

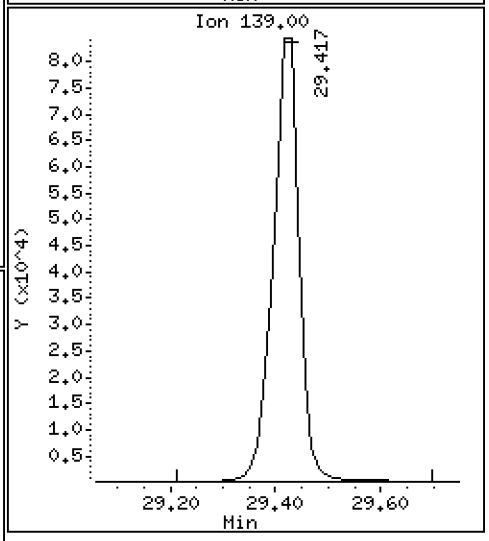
79 Dibenzo(a,h)anthracene

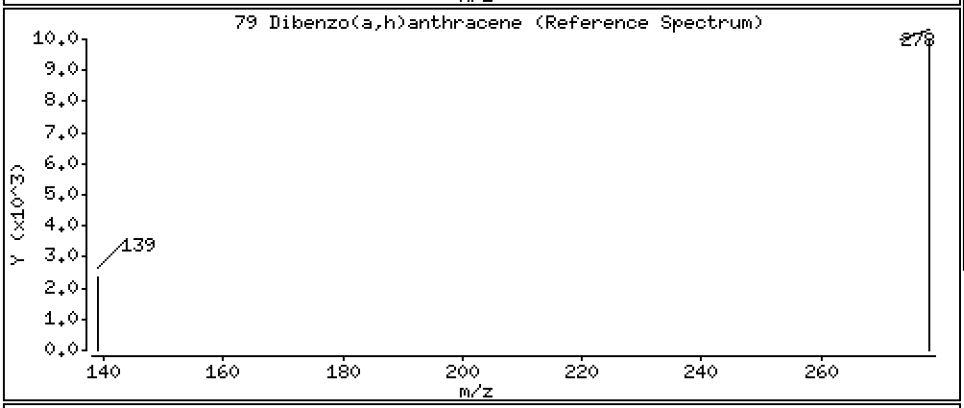
Concentration: 5.066 ug/mL

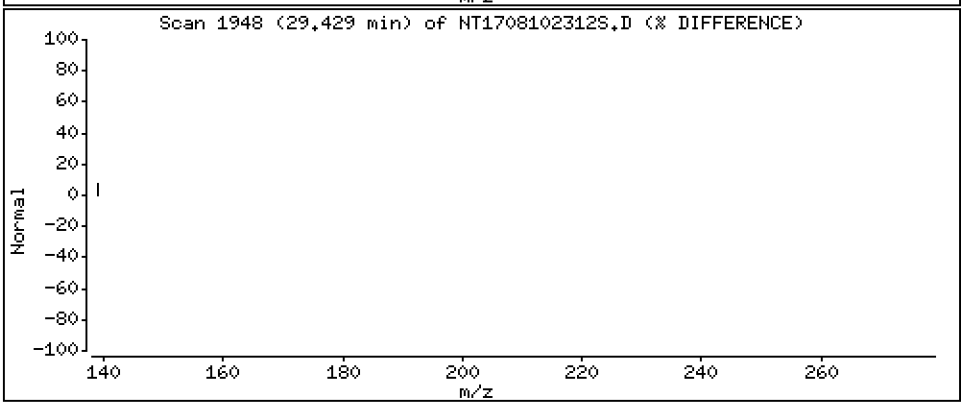












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

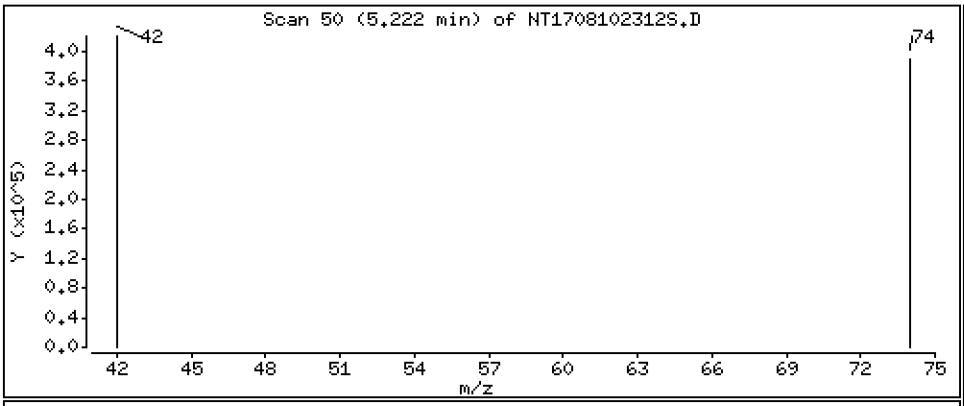
Operator: JGR

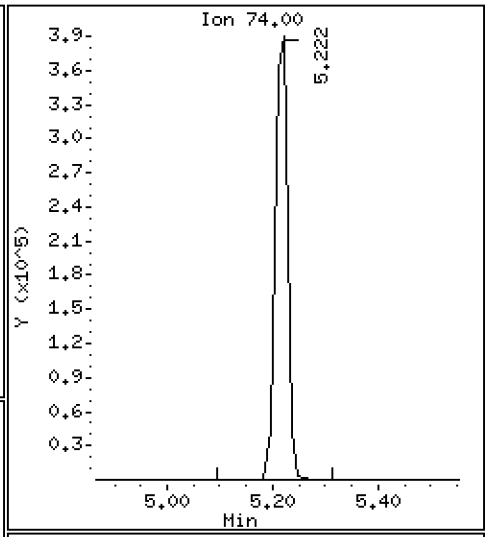
Column phase: ZB-5msi

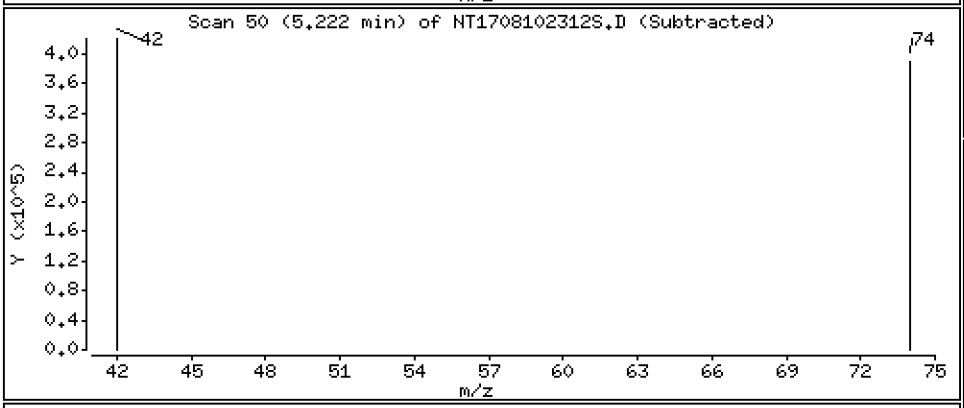
Column diameter: 0.25

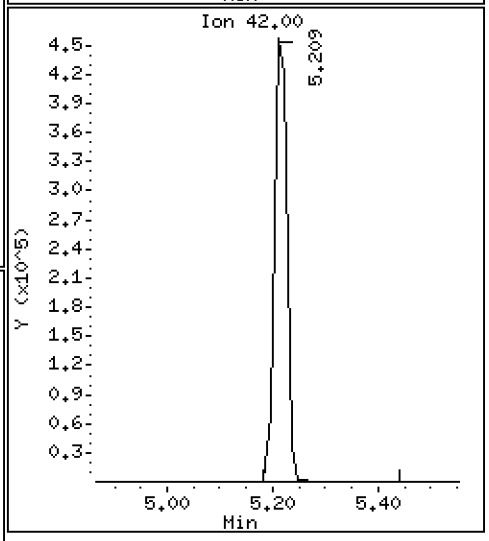
90 N-Nitrosodimethylamine

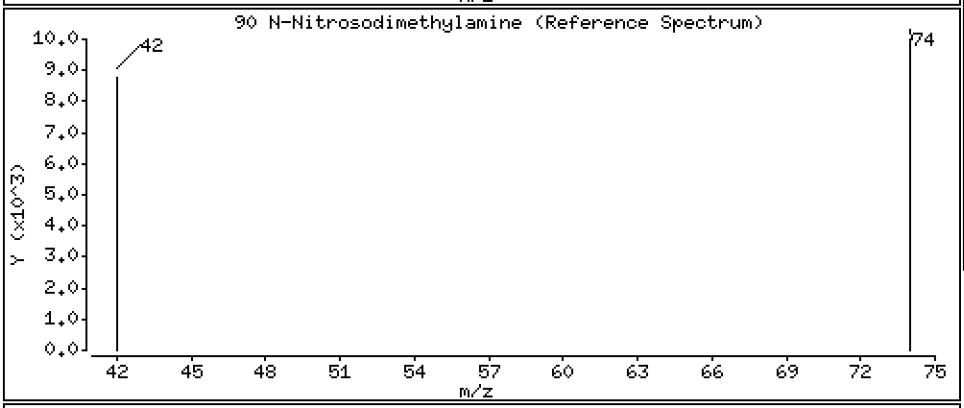
Concentration: 5.656 ug/mL

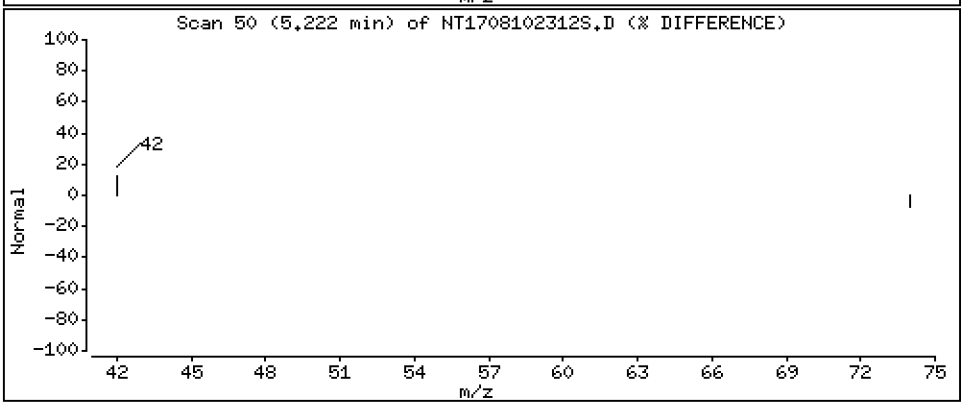












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102312S.D
Lab Smp Id: SEQ-SCV1
Inj Date : 10-AUG-2023 18:45
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-SCV1
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Meth Date : 11-Aug-2023 08:13 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1	2-Fluorophenol	112	Compound Not Detected.					
	3	Phenol	94	8.891	8.891	(0.932)	932540	5.50239	5.502
	7	1,3-Dichlorobenzene	146	9.477	9.477	(0.993)	591053	5.15578	5.156
*	8	1,4-Dichlorobenzene-d4	152	9.541	9.541	(1.000)	267754	4.00000	
	9	1,4-Dichlorobenzene	146	9.566	9.566	(1.003)	573424	5.16858	5.169
	11	Benzyl alcohol	79	9.796	9.796	(1.027)	709897	6.05184	6.052
	12	1,2-Dichlorobenzene	146	9.924	9.924	(1.040)	561360	5.21616	5.216
	13	2-Methylphenol	108	10.001	10.001	(1.048)	525371	5.11241	5.112
	15	4-Methylphenol	108	10.282	10.269	(1.078)	589793	5.49122	5.491
	16	N-Nitroso-di-n-propylamine	70	10.359	10.346	(1.086)	677820	6.17127	6.171
	22	2,4-Dimethylphenol	107	11.317	11.316	(0.941)	497084	4.51954	4.520
	24	Benzoic acid	105	11.495	11.521	(0.955)	749206	9.95900	9.959
	26	1,2,4-Trichlorobenzene	180	11.929	11.929	(0.992)	377826	5.02775	5.028
*	27	Naphthalene-d8	136	12.031	12.018	(1.000)	1096182	4.00000	
	30	Hexachlorobutadiene	225	12.413	12.413	(1.032)	189282	5.37846	5.378
	39	Dimethylphthalate	163	15.130	15.117	(0.967)	949831	5.86824	5.868
*	42	Acenaphthene-d10	162	15.640	15.627	(1.000)	498001	4.00000	
	50	Diethylphthalate	149	16.570	16.557	(1.059)	1074870	6.38666	6.387
	54	N-Nitrosodiphenylamine	169	16.965	16.965	(0.909)	685167	5.88111	5.881
	57	Hexachlorobenzene	284	18.034	18.034	(0.966)	199043	5.21462	5.215
	58	Pentachlorophenol	266	18.391	18.392	(0.985)	125476	4.84413	4.844
*	59	Phenanthrene-d10	188	18.672	18.672	(1.000)	810370	4.00000	
$	66	Terphenyl-d14	244	Compound Not Detected.					
	67	Butylbenzylphthalate	149	22.638	22.639	(0.957)	857851	5.50335	5.503
*	69	Chrysene-d12	240	23.646	23.646	(1.000)	587436	4.00000	
*	77	Perylene-d12	264	26.452	26.452	(1.000)	595930	4.00000	
	79	Dibenzo(a,h)anthracene	278	29.429	29.404	(1.113)	891713	5.06606	5.066
	90	N-Nitrosodimethylamine	74	5.221	5.209	(0.547)	639879	5.65625	5.656(M)

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102312S.D
Lab Smp Id: SEQ-SCV1
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 15:01
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	319389	159695	638778	267754	-16.17
27 Naphthalene-d8	1274686	637343	2549372	1096182	-14.00
42 Acenaphthene-d10	569885	284943	1139770	498001	-12.61
59 Phenanthrene-d10	915829	457915	1831658	810370	-11.52
69 Chrysene-d12	653460	326730	1306920	587436	-10.10
77 Perylene-d12	654887	327444	1309774	595930	-9.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.54	9.04	10.04	9.54	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.03	0.11
42 Acenaphthene-d10	15.64	15.14	16.14	15.64	0.00
59 Phenanthrene-d10	18.67	18.17	19.17	18.67	0.00
69 Chrysene-d12	23.65	23.15	24.15	23.65	0.00
77 Perylene-d12	26.45	25.95	26.95	26.45	0.00

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

REVIEW SUMMARY FOR FILE - NT1708102312S.D

Lab ID: SEQ-SCV1
nt17.i, 20230810.b\SIM.B\SIMABN2.m,   10-AUG-2023 18:45

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

** FIRST SURROGATE NOT FOUND. ICAL Check not performed **

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND

NONE

RRT check based on Ccal File: SIM.B/NT1708102309S.D

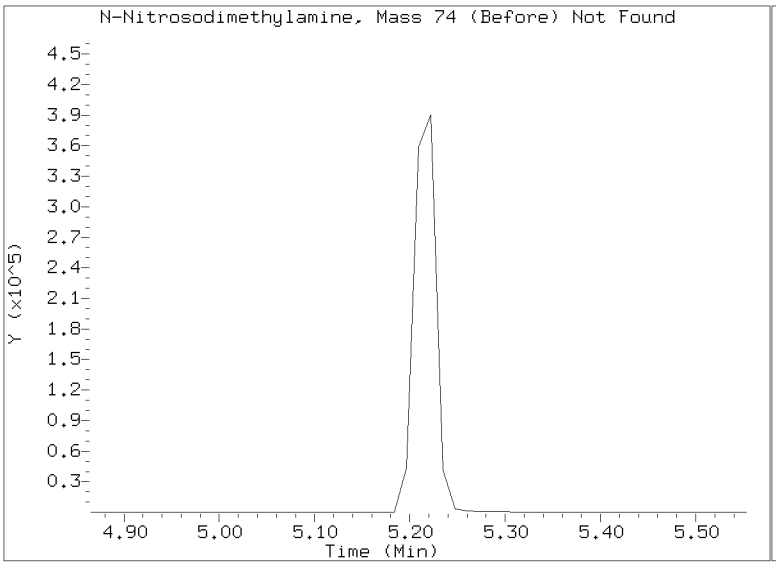
On Column LOD for nt17.i, SIM.B\SIMABN2.m, PSDDA.sub = 0.0000

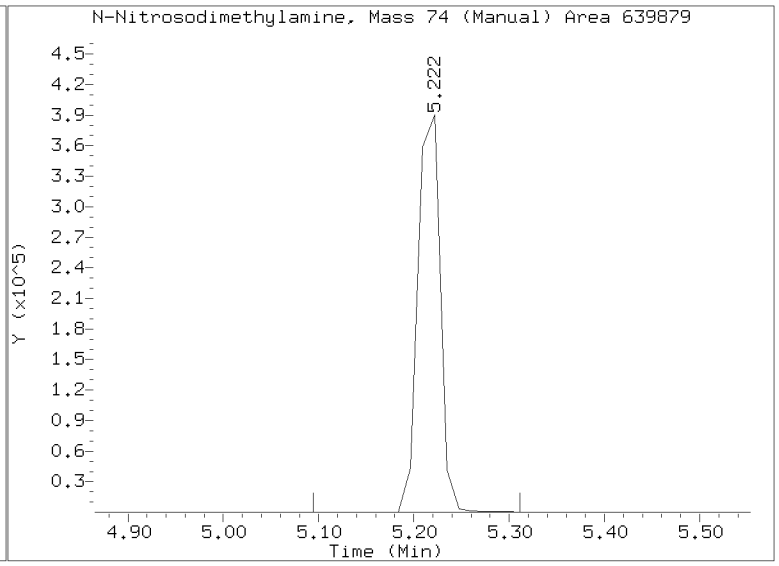
Exception: 1,2,4-Trichlorobenzene 0.0010

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

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230810.b/SIM.B/NT1708102312S.D
Injection Date: 10-AUG-2023 18:45
Lab ID:SEQ-SCV1 Client ID:
Report Date: 08/15/2023 16:33





SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E-SIM

Laboratory: Analytical Resources, LLC
SDG: 23H0221
Client: Anchor QEA, LLC
Project: AOC5 MR Phase 1
Calibration: GH00045
Laboratory ID: SLH0217-SCV1
Sequence: SLH0217
Standard ID: L006700

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DRIFT	QC LIMIT
1,4-Dichlorobenzene	5.0000	5.2	3.4	20.00
1,2-Dichlorobenzene	5.0000	5.2	4.3	20.00
Benzyl Alcohol	5.0000	6.1	21.0 *	20.00
Benzoic acid	10.000	10.0	-0.4	20.00
4-Methylphenol	5.0000	5.5	9.8	20.00
2,4-Dimethylphenol	5.0000	4.5	-9.6	20.00
1,2,4-Trichlorobenzene	5.0000	5.0	0.6	20.00
N-Nitrosodiphenylamine	5.0000	5.9	17.6	20.00
Pentachlorophenol	5.0000	4.8	-3.1	20.00
2-Fluorophenol	7.5000	0.00		
p-Terphenyl-d14	5.0000	0.00		

* Values outside of QC limits

Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT17081023125.D

Date : 10-AUG-2023 18:45

Client ID:

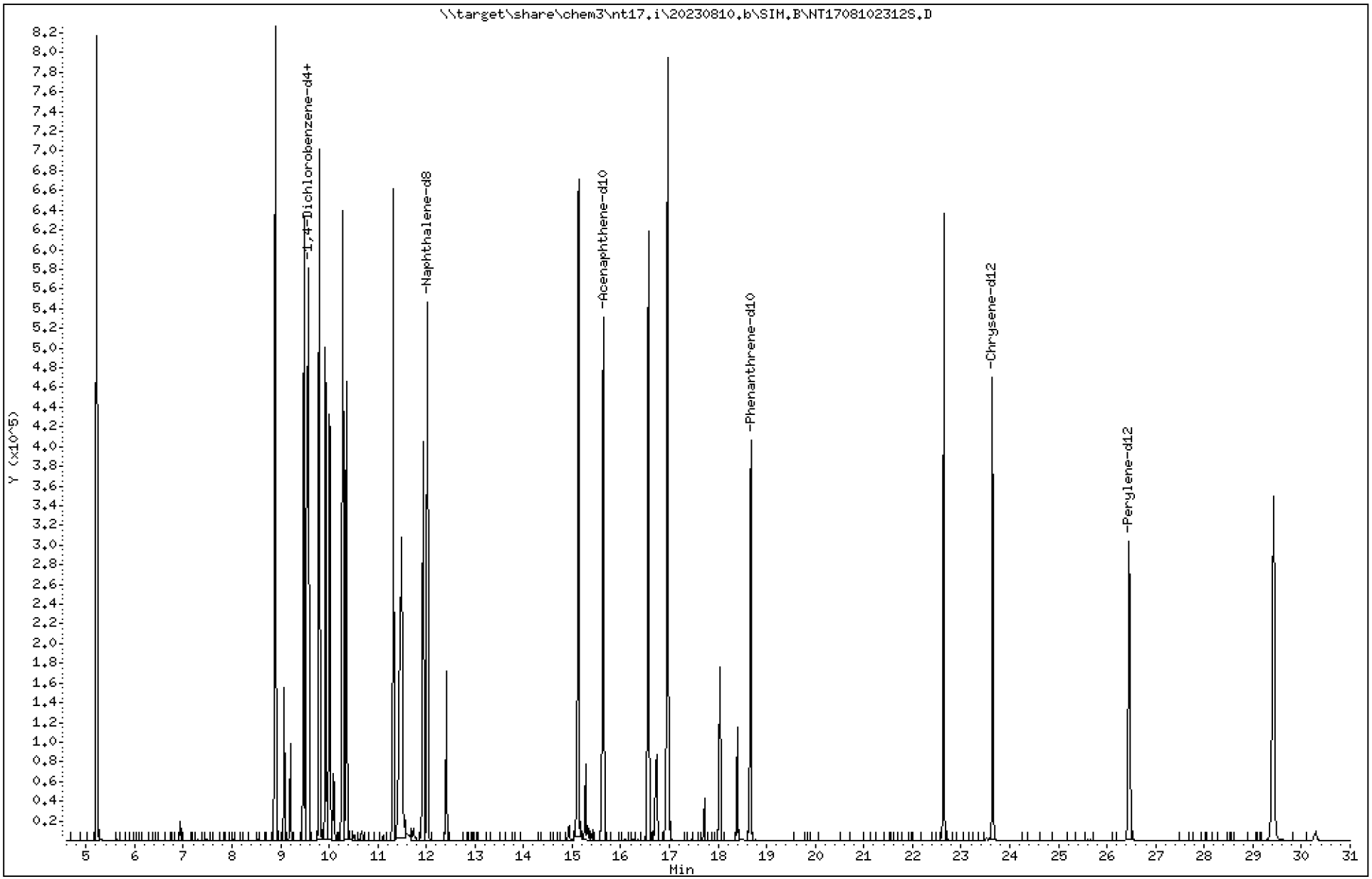
Sample Info: SEQ-SCV1

Column phase: ZB-5msi

Instrument: nt17.i

Operator: JGR

Column diameter: 0.25



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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

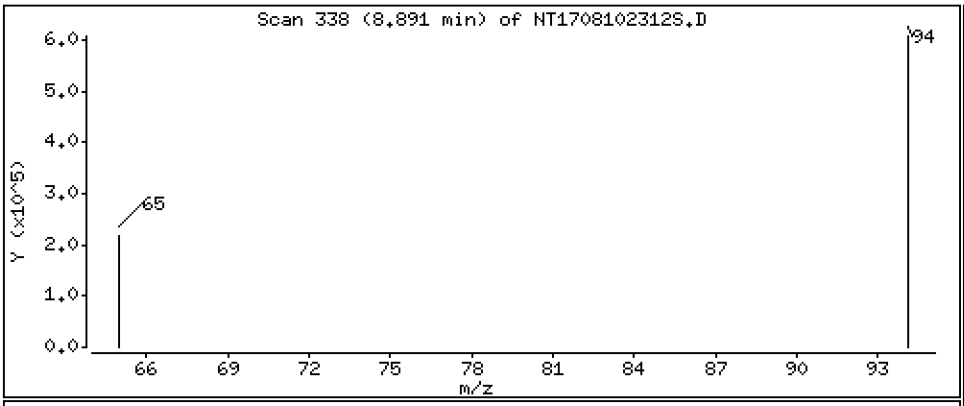
Operator: JGR

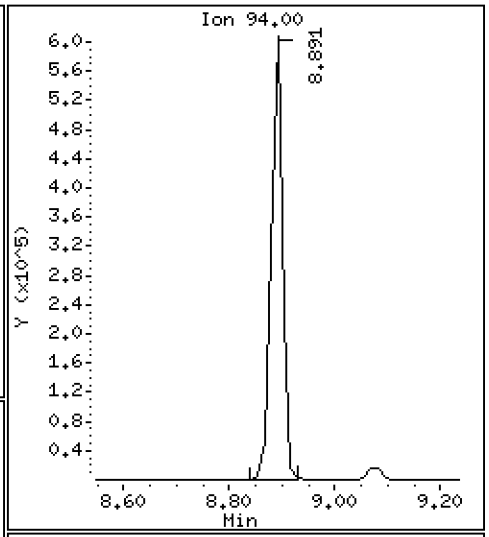
Column phase: ZB-5msi

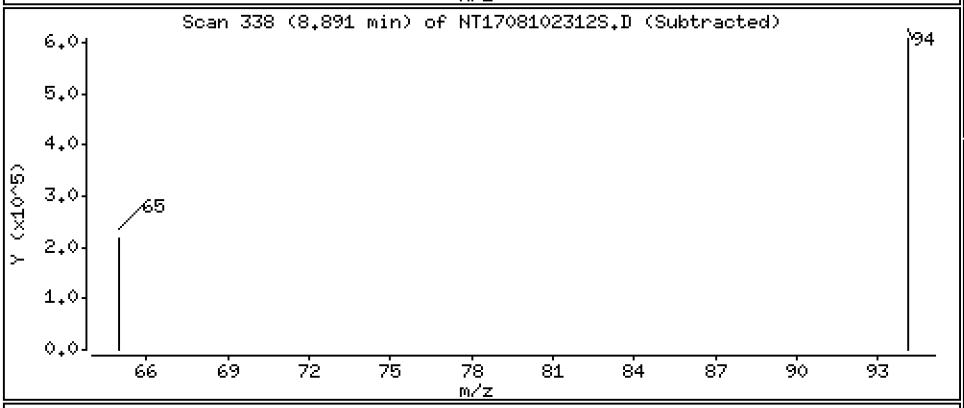
Column diameter: 0.25

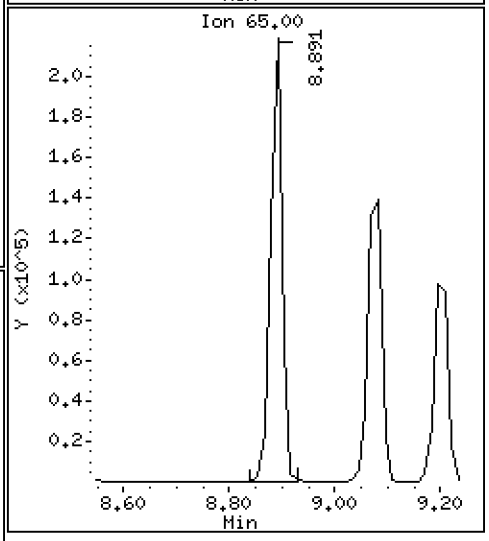
3 Phenol

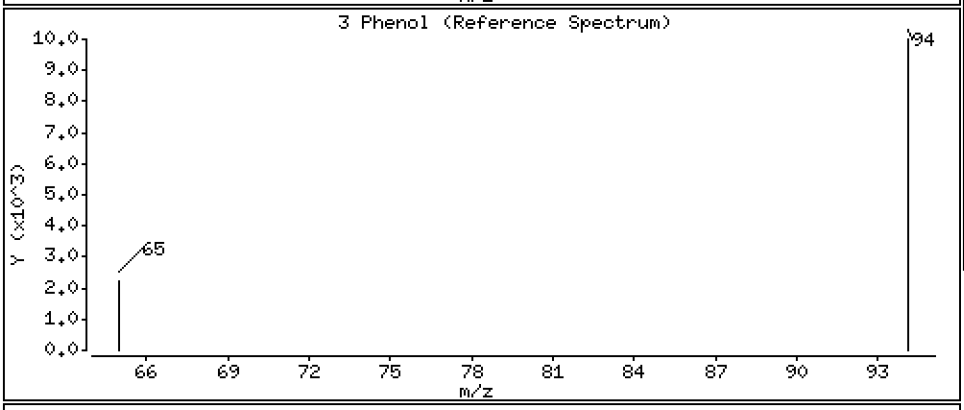
Concentration: 5.502 ug/mL

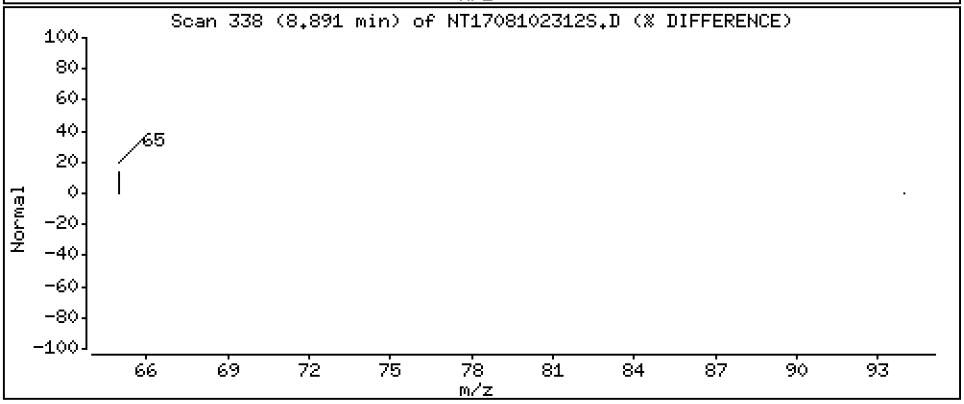












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

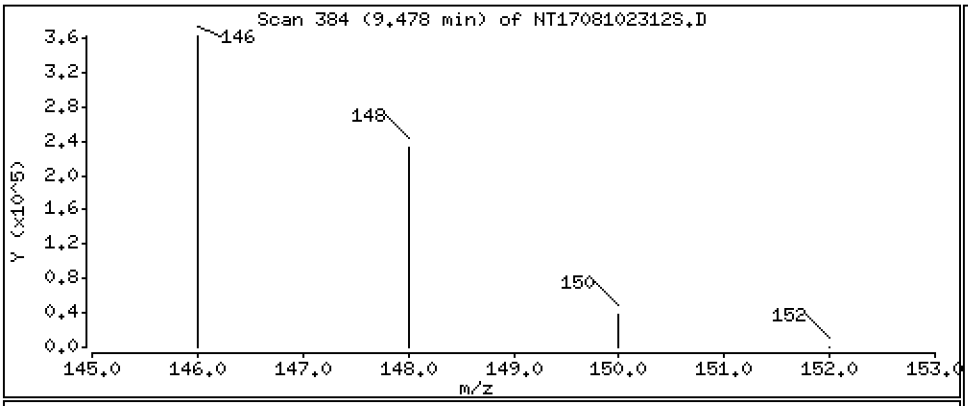
Operator: JGR

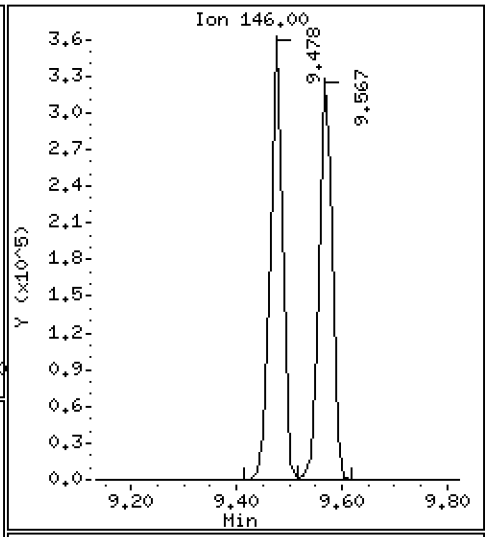
Column phase: ZB-5msi

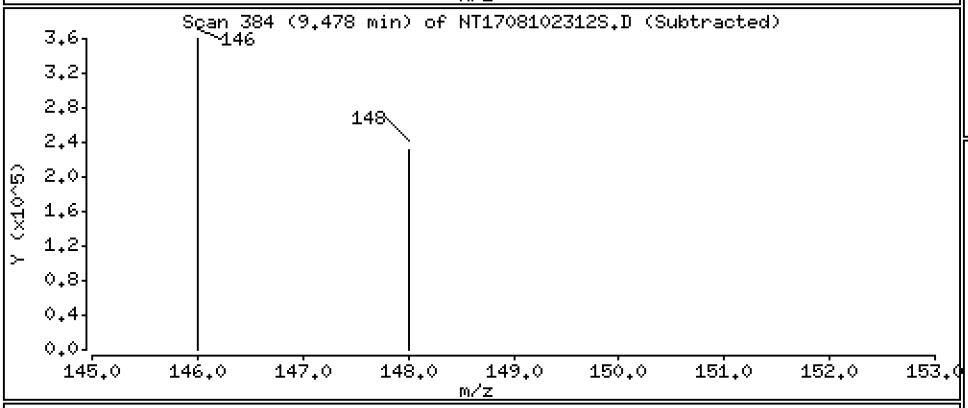
Column diameter: 0.25

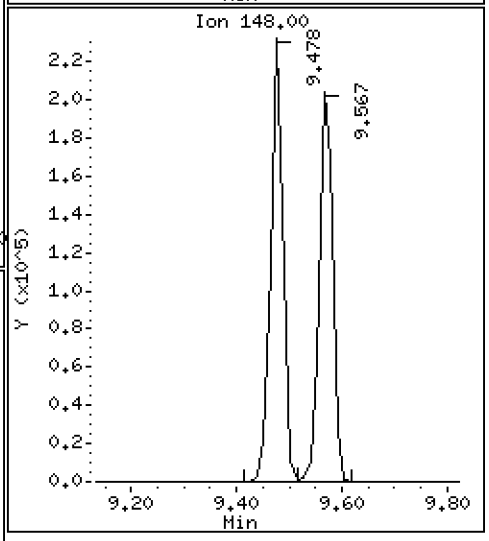
7 1,3-Dichlorobenzene

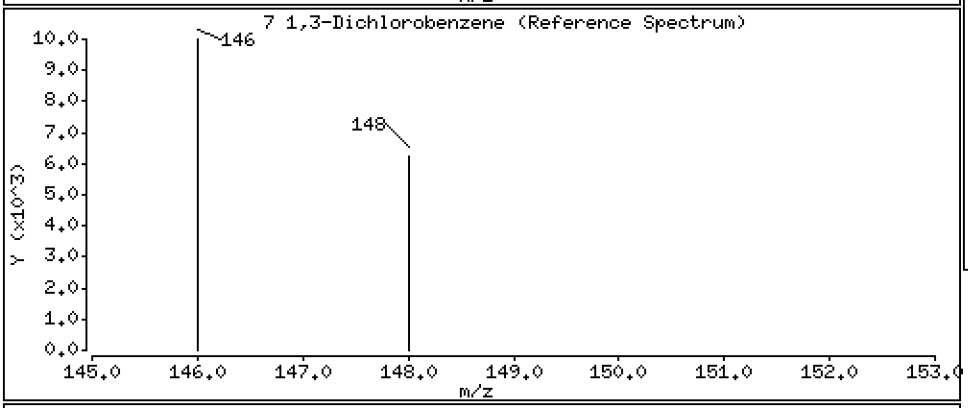
Concentration: 5.156 ug/mL

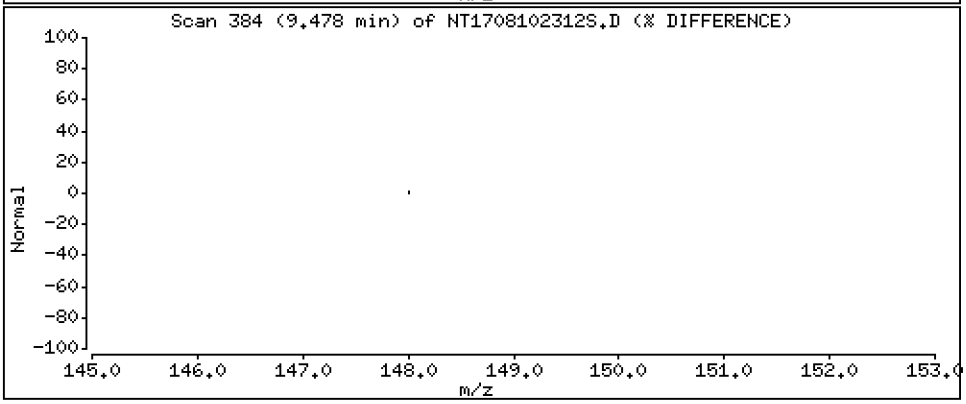












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

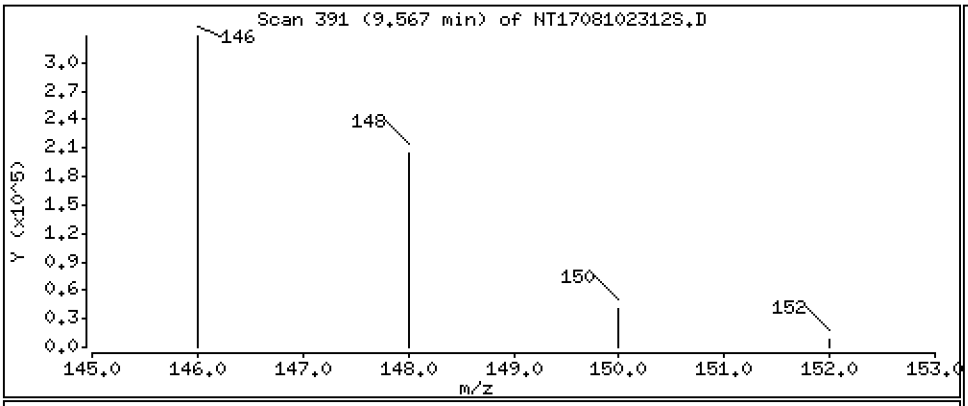
Operator: JGR

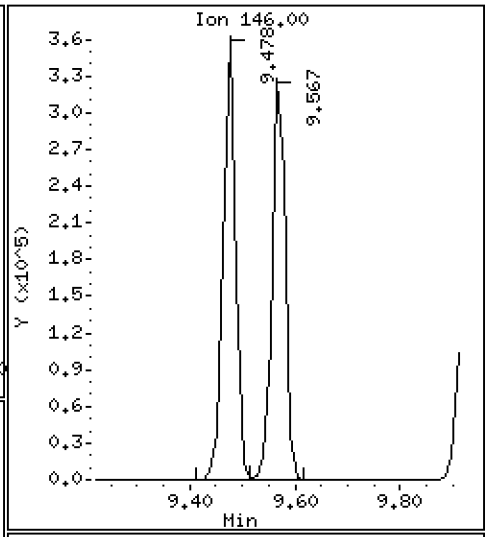
Column phase: ZB-5msi

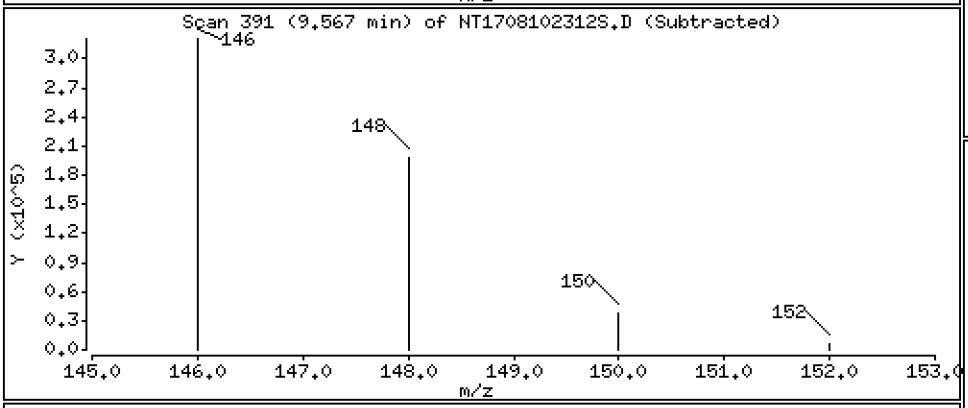
Column diameter: 0.25

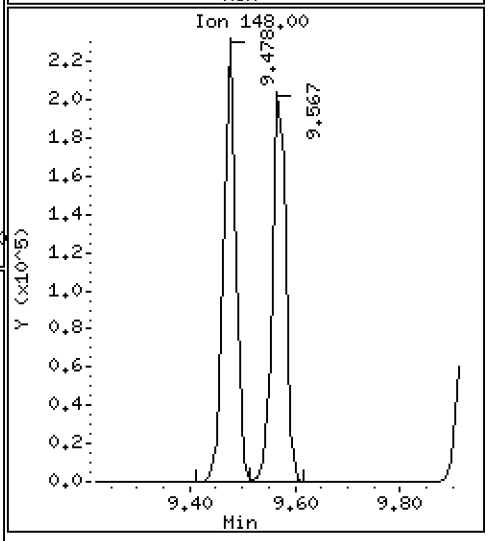
9 1,4-Dichlorobenzene

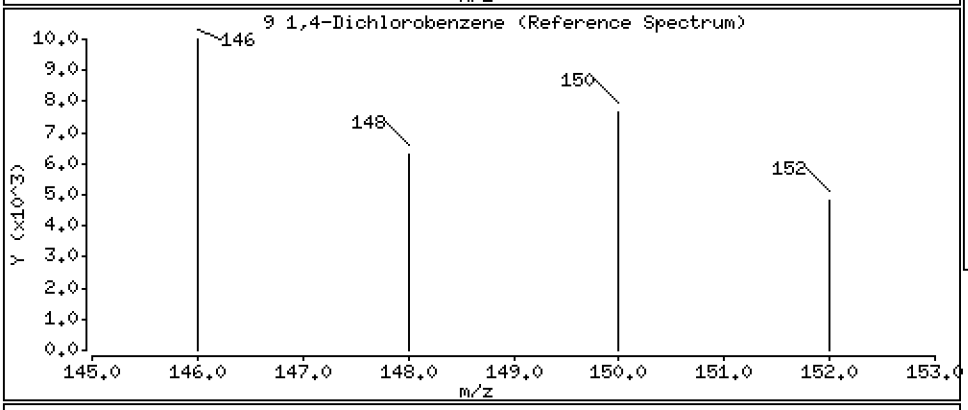
Concentration: 5.169 ug/mL

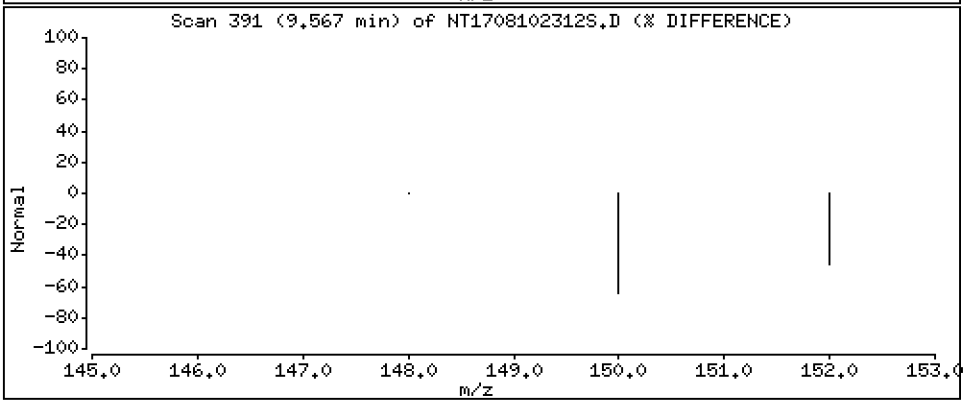












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

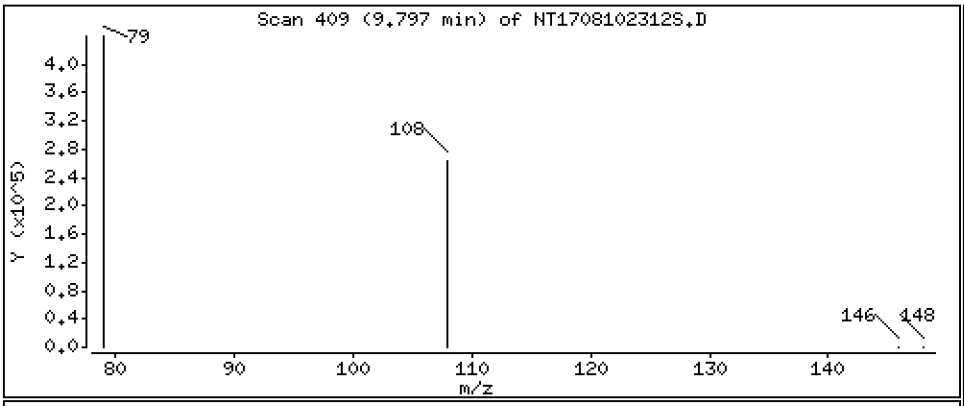
Operator: JGR

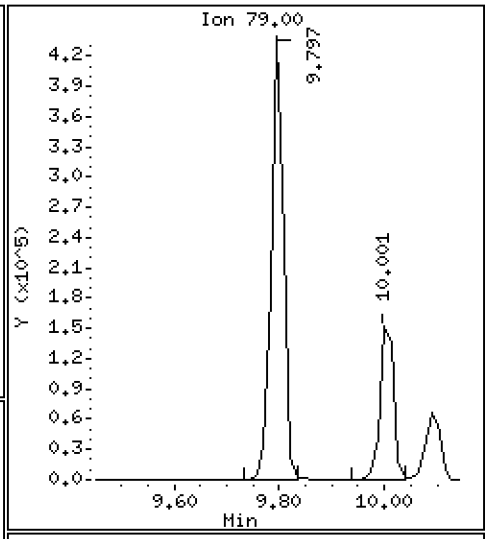
Column phase: ZB-5msi

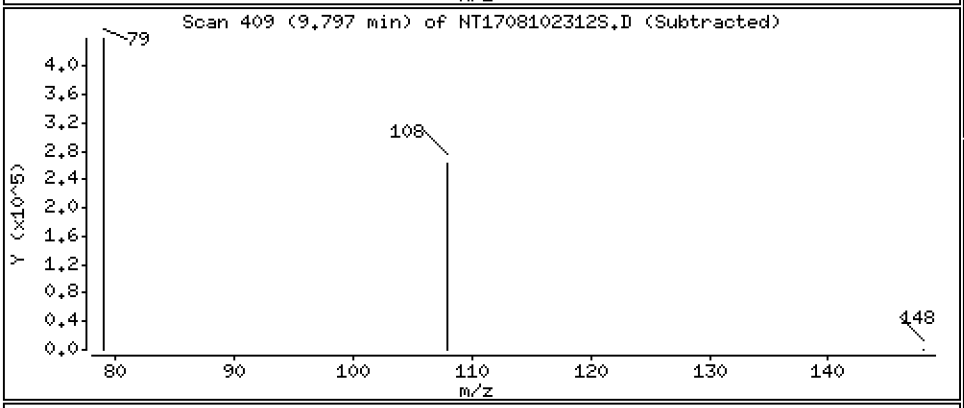
Column diameter: 0.25

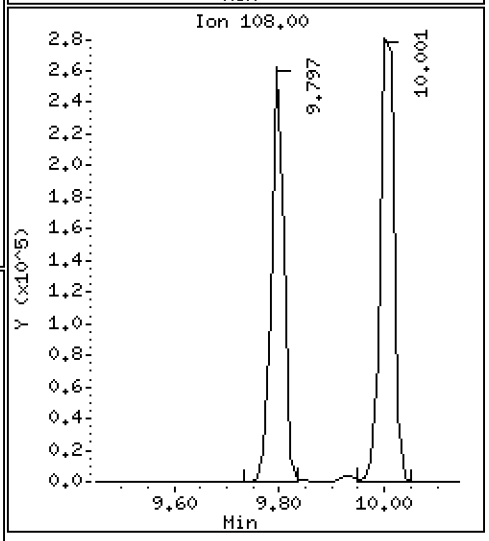
11 Benzyl alcohol

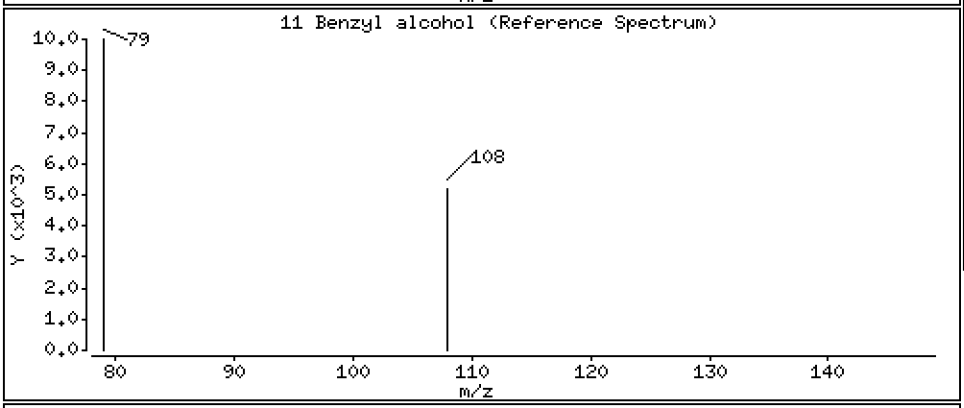
Concentration: 6.052 ug/mL

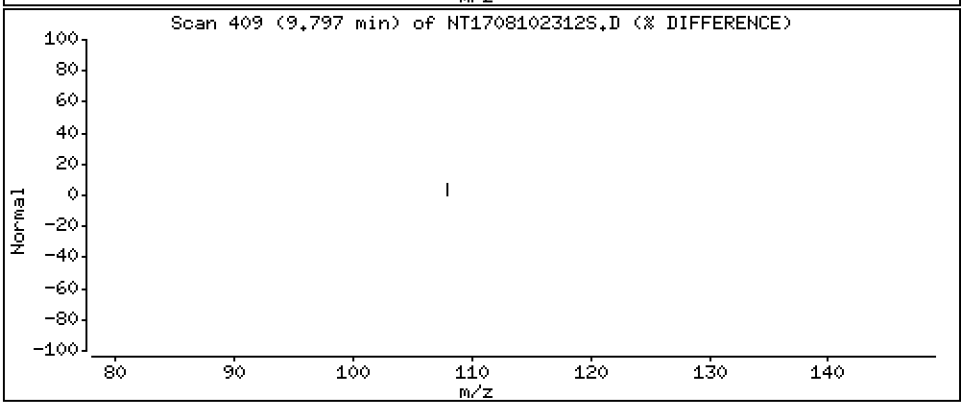












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

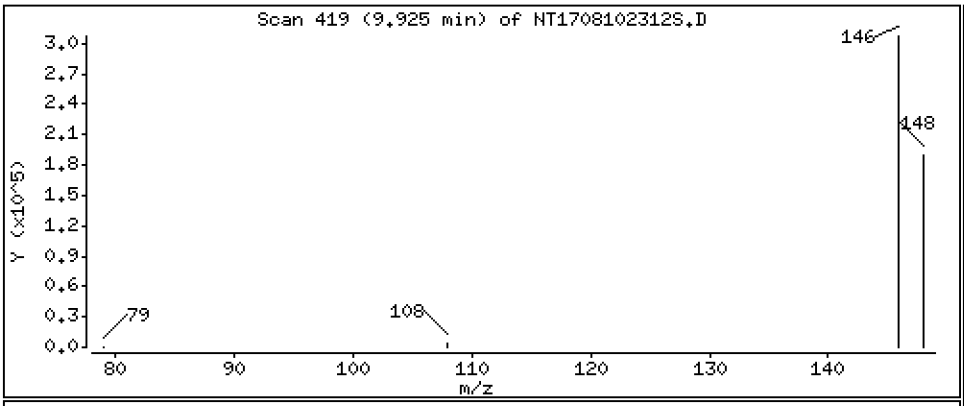
Operator: JGR

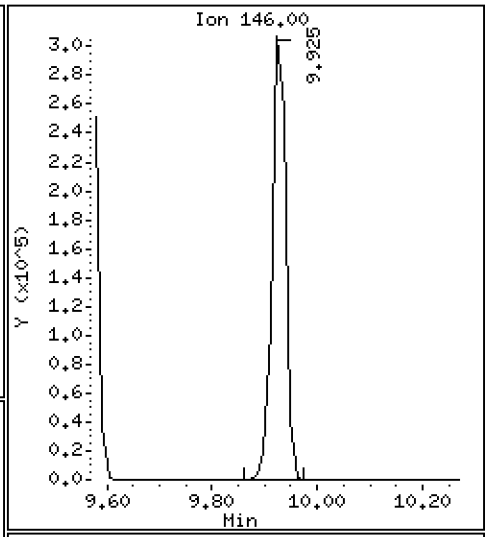
Column phase: ZB-5msi

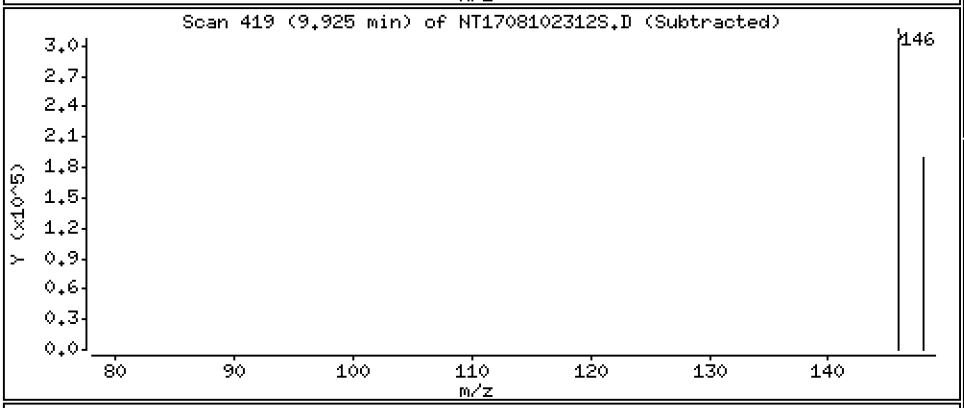
Column diameter: 0.25

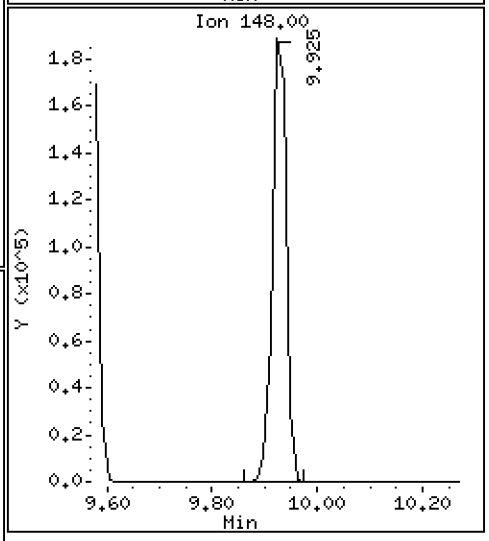
12 1,2-Dichlorobenzene

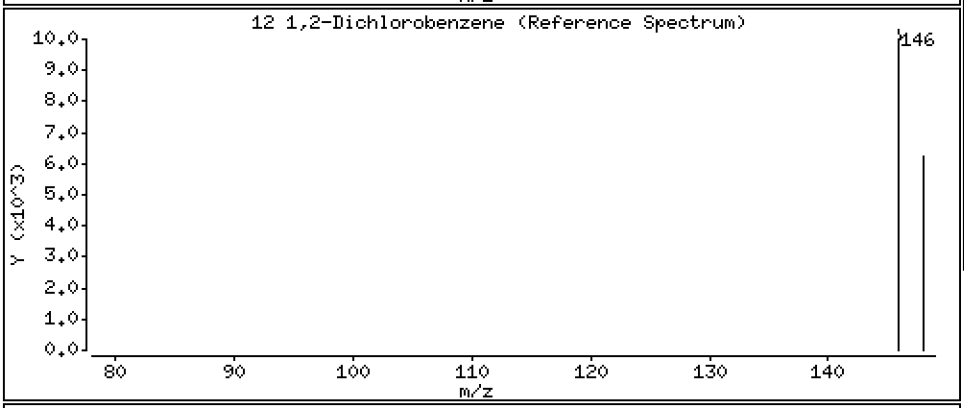
Concentration: 5.216 ug/mL

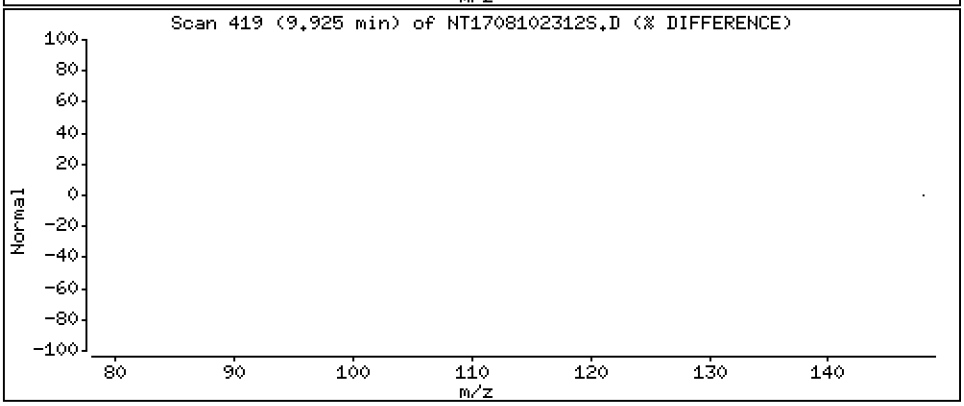












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

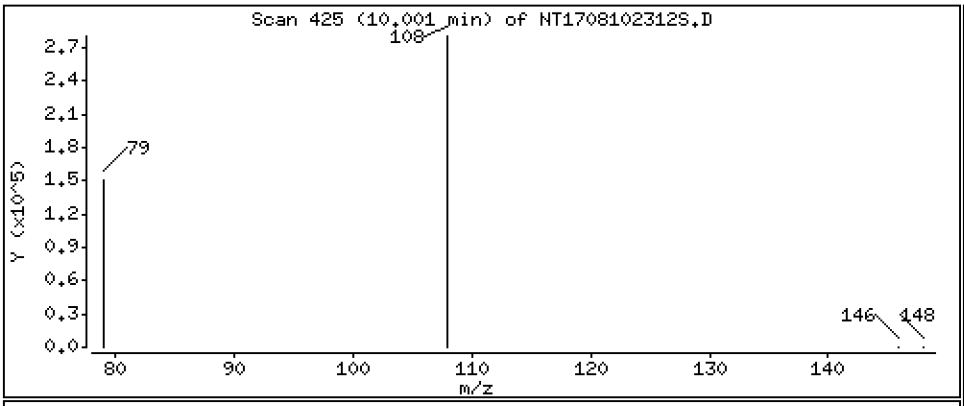
Operator: JGR

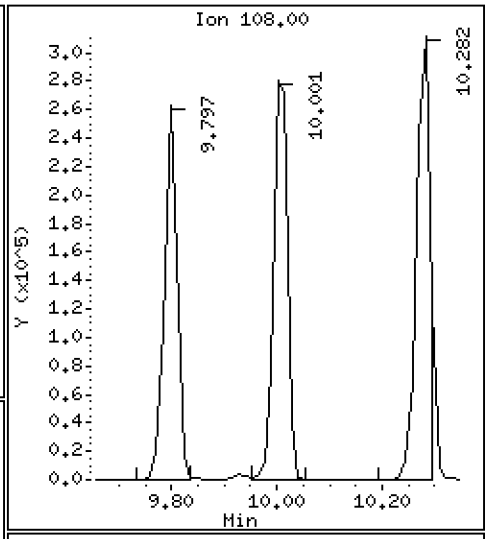
Column phase: ZB-5msi

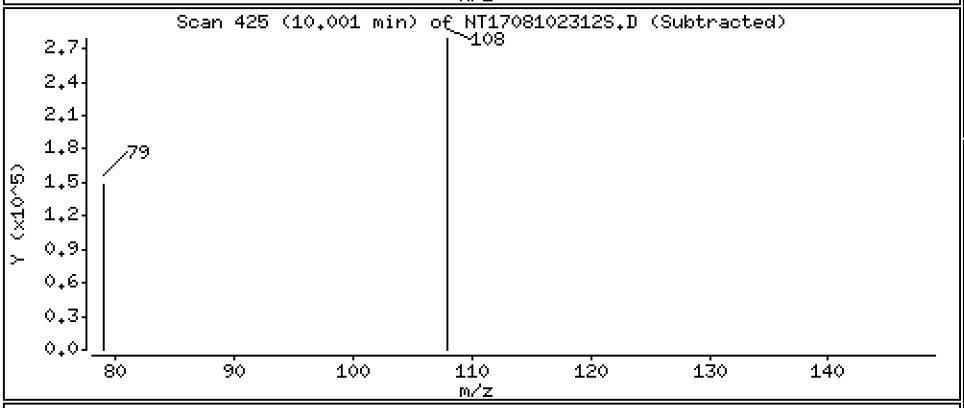
Column diameter: 0.25

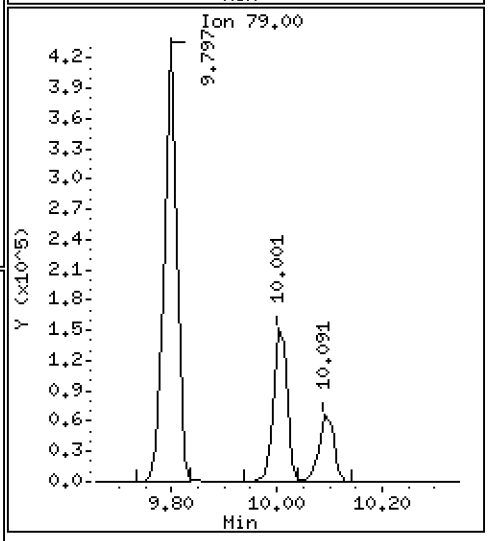
13 2-Methylphenol

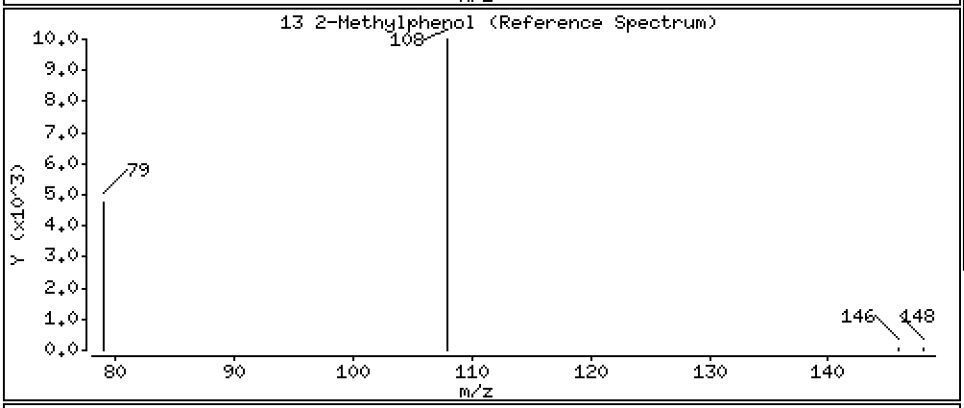
Concentration: 5.112 ug/mL

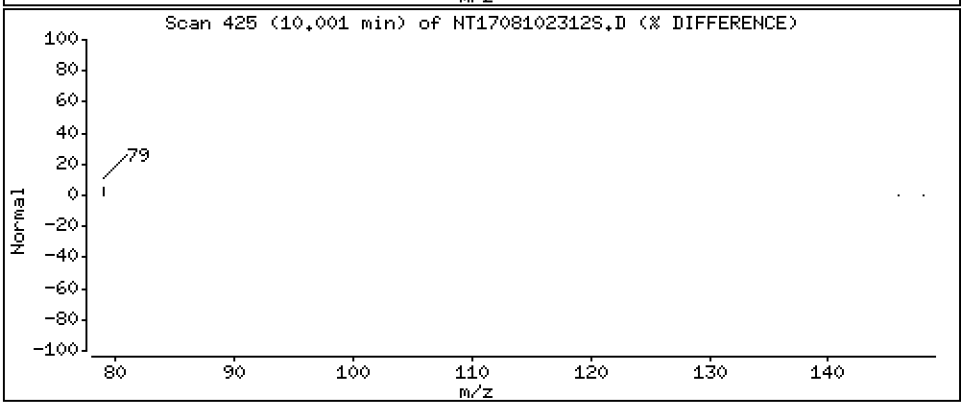












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

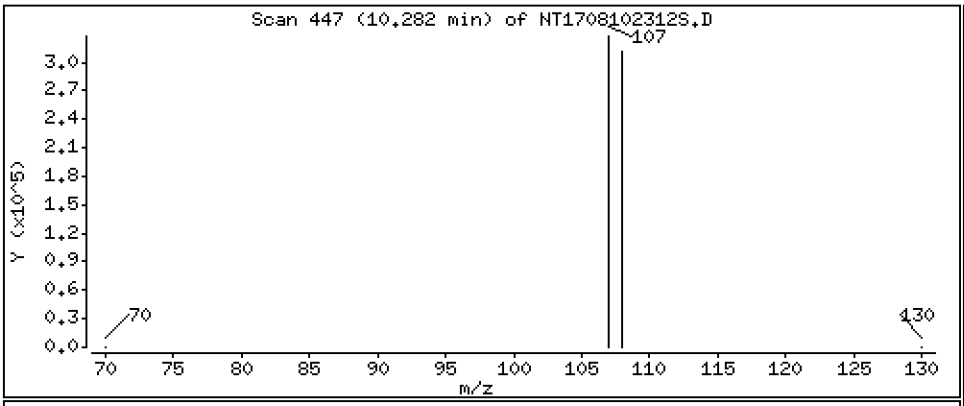
Operator: JGR

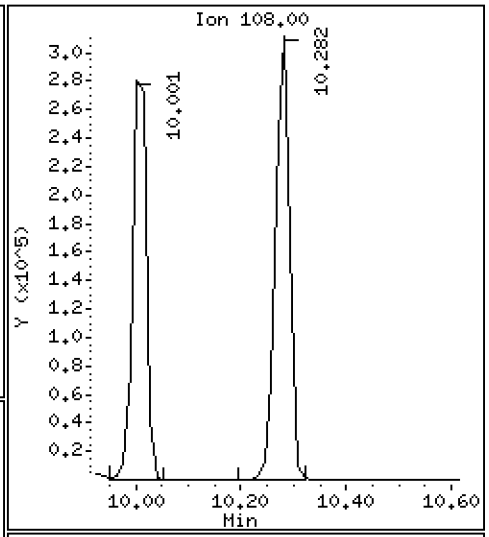
Column phase: ZB-5msi

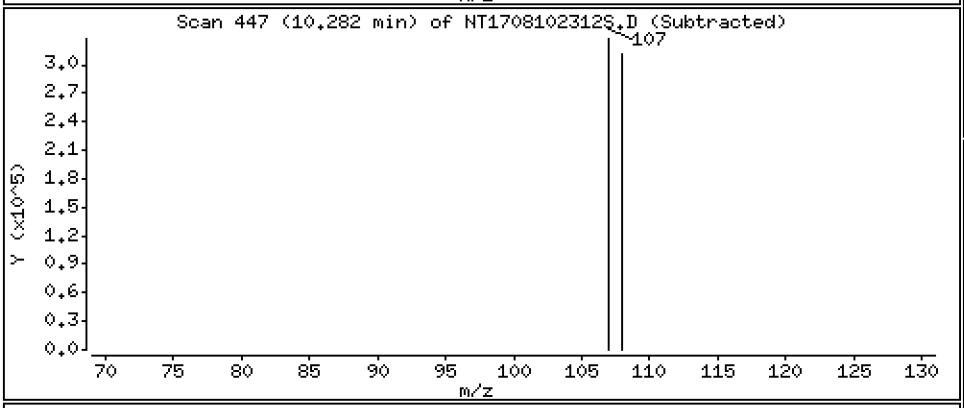
Column diameter: 0.25

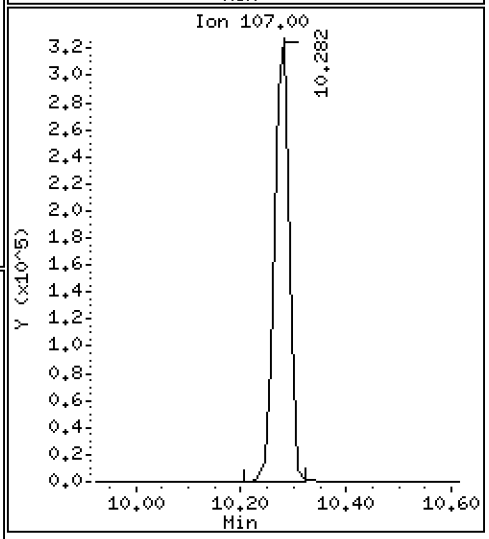
15 4-Methylphenol

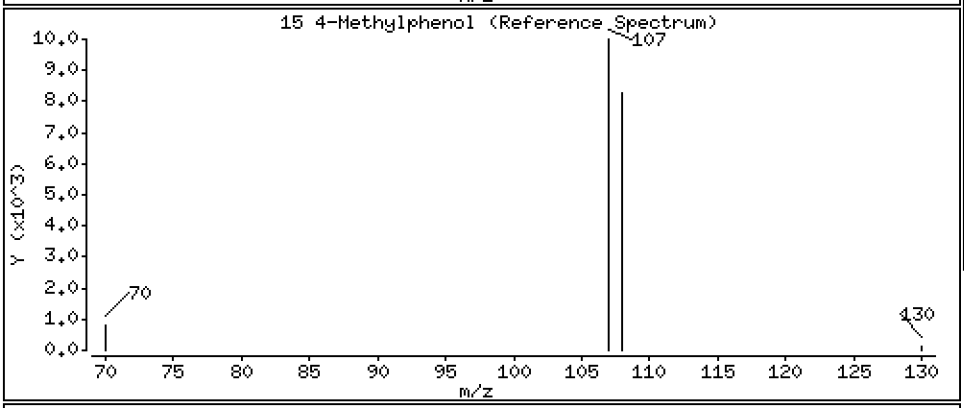
Concentration: 5.491 ug/mL

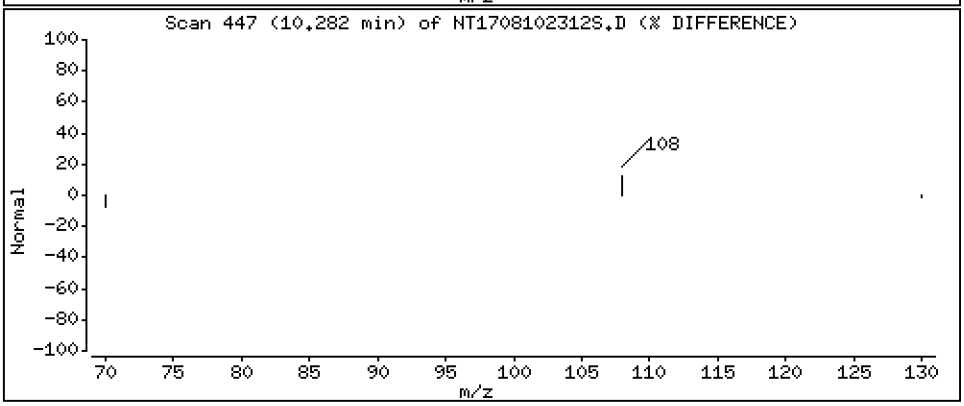












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

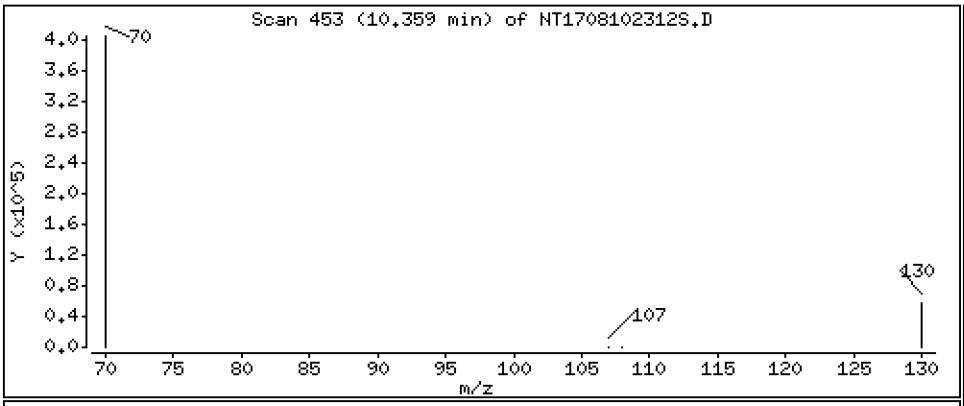
Operator: JGR

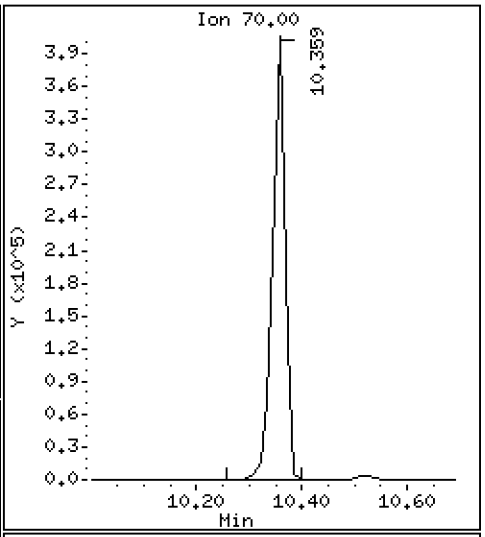
Column phase: ZB-5msi

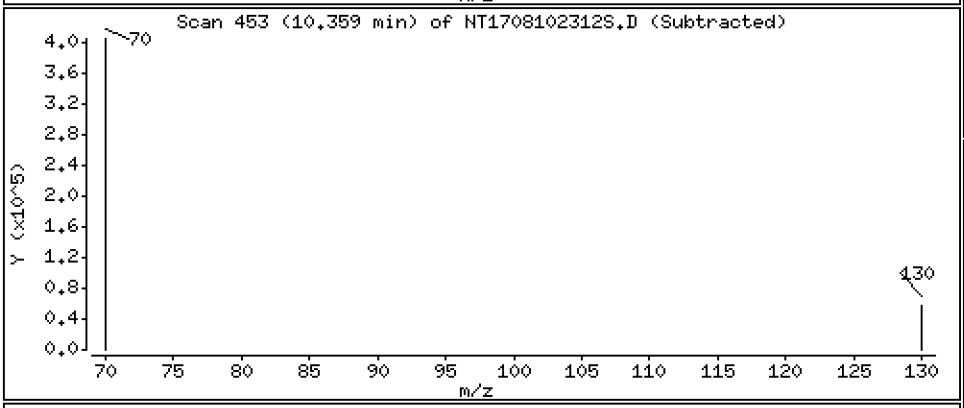
Column diameter: 0.25

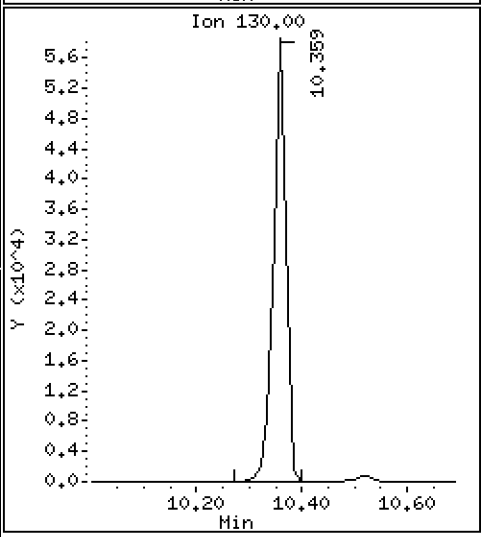
16 N-Nitroso-di-n-propylamine

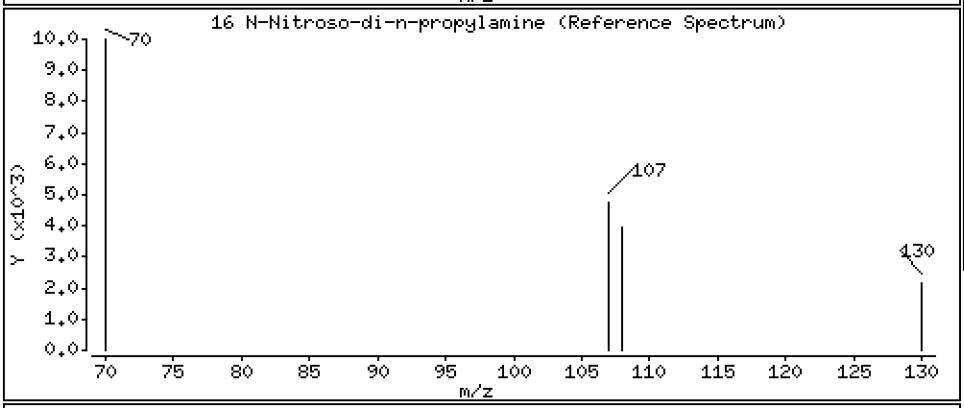
Concentration: 6.171 ug/mL

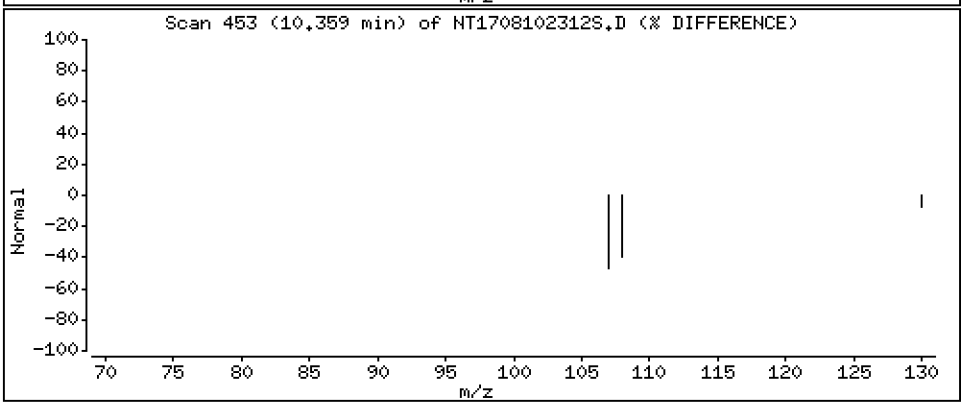












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

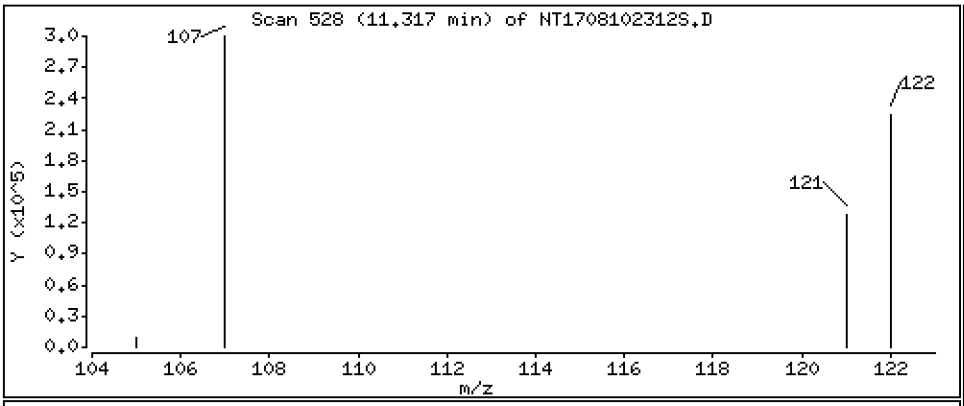
Operator: JGR

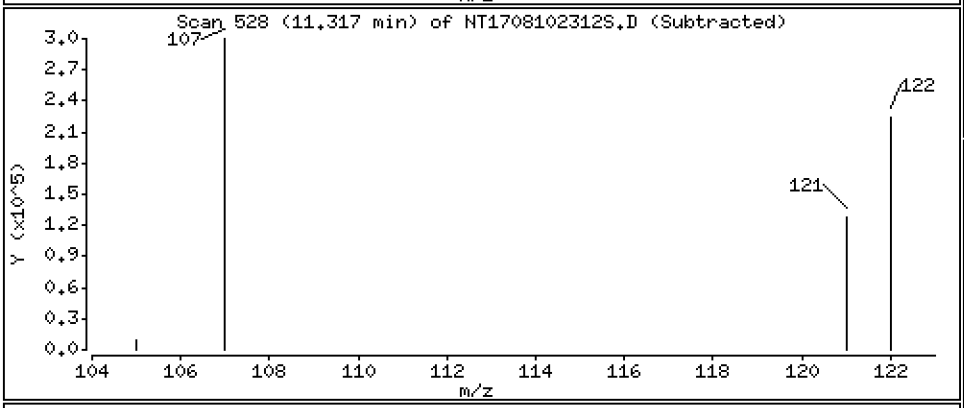
Column phase: ZB-5msi

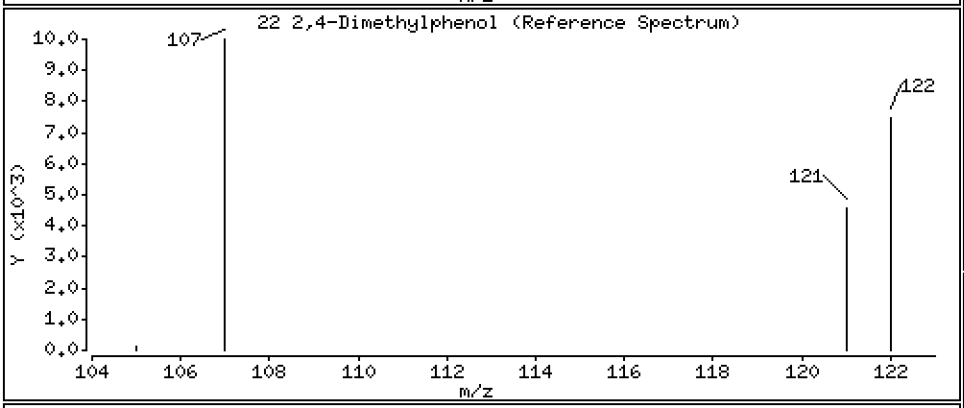
Column diameter: 0.25

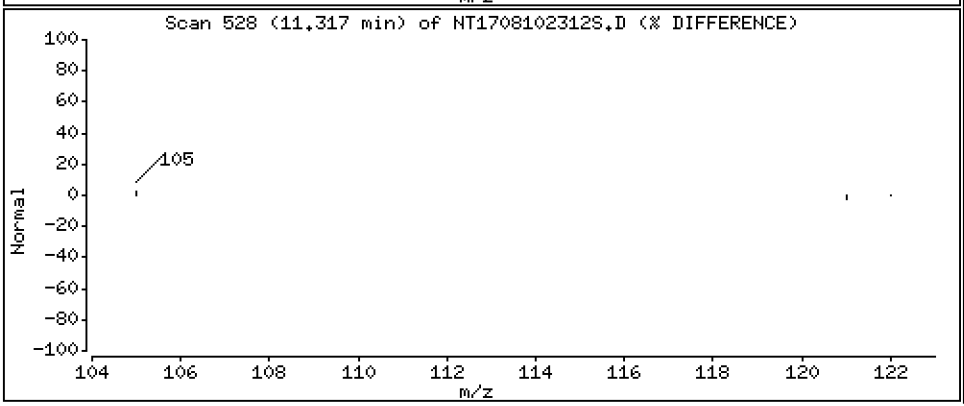
22 2,4-Dimethylphenol

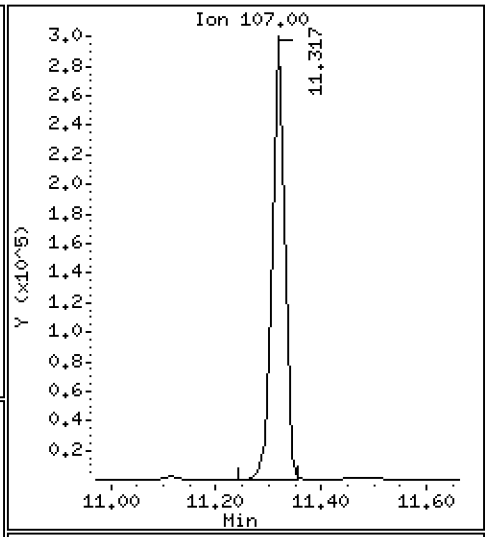
Concentration: 4.520 ug/mL

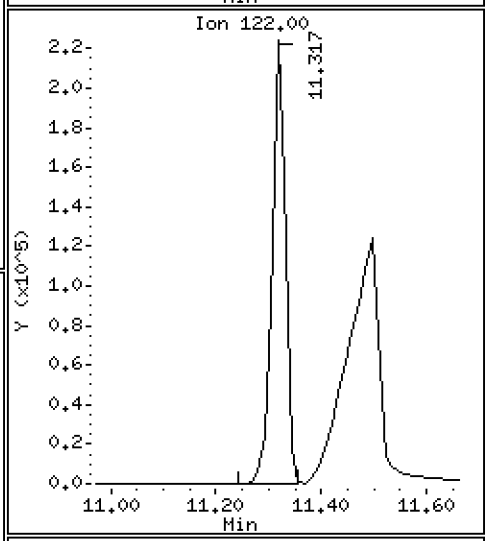


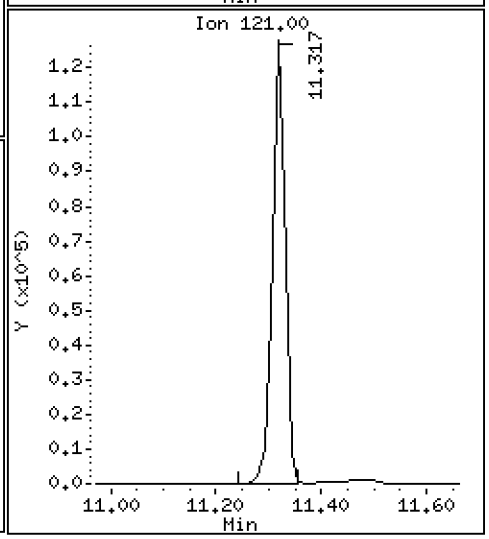












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

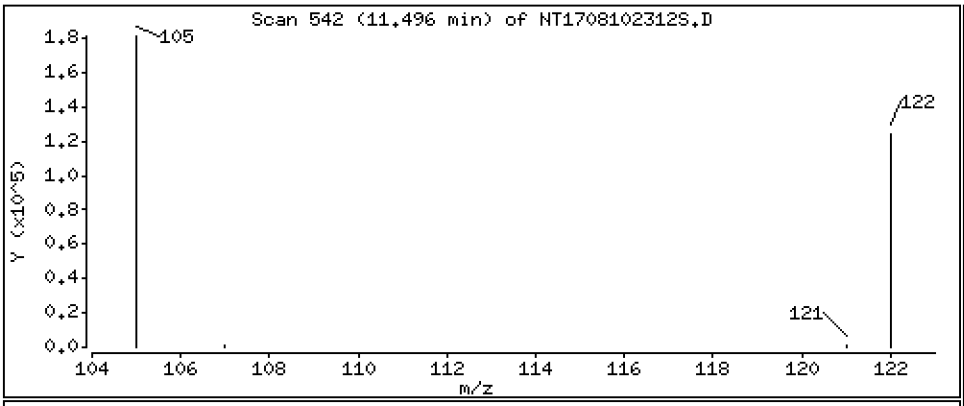
Operator: JGR

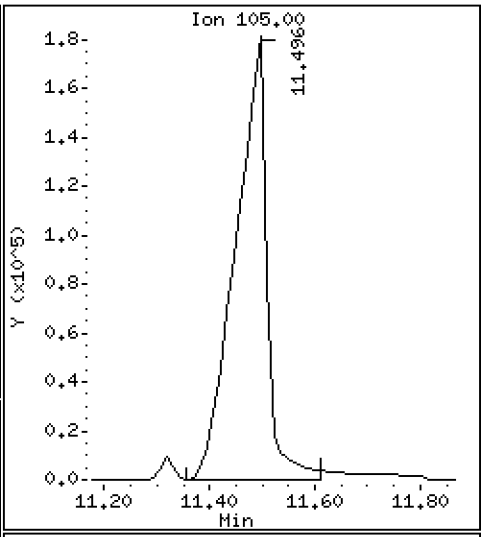
Column phase: ZB-5msi

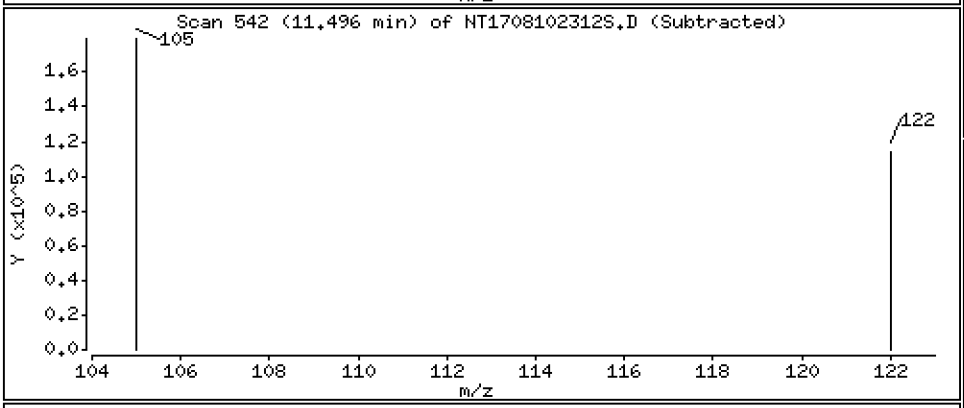
Column diameter: 0.25

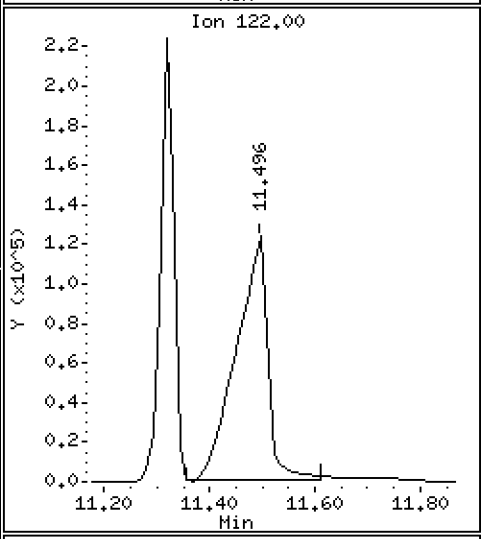
24 Benzoic acid

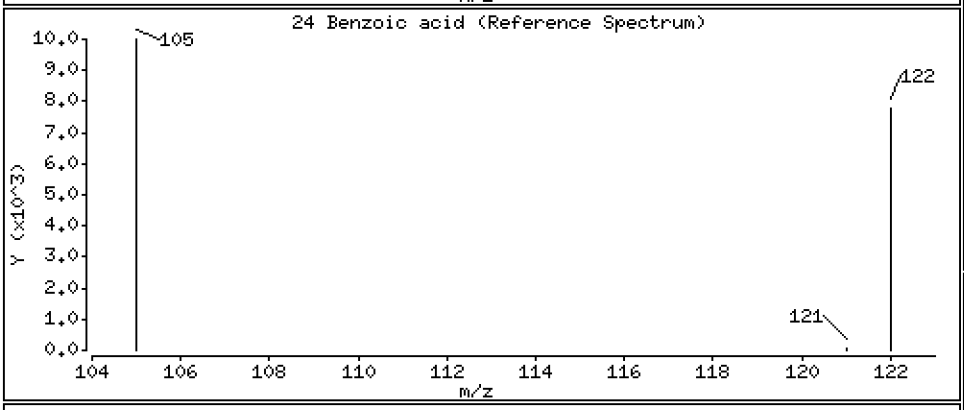
Concentration: 9.959 ug/mL

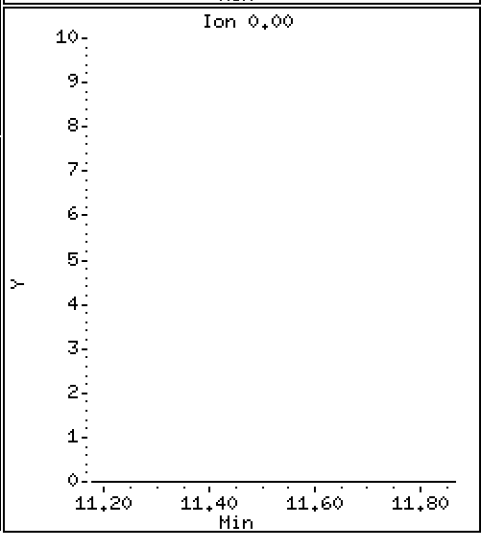


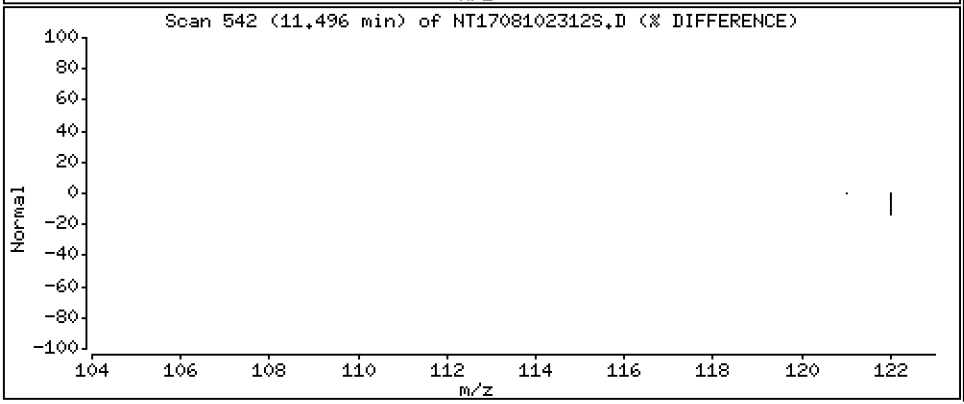












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

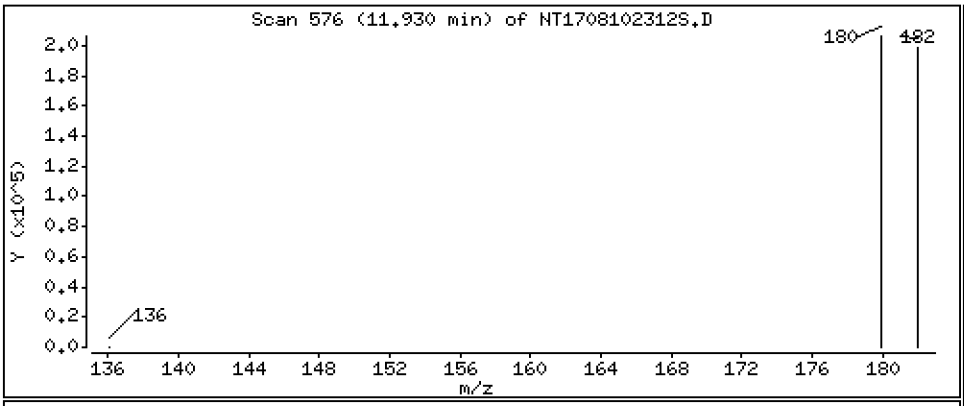
Operator: JGR

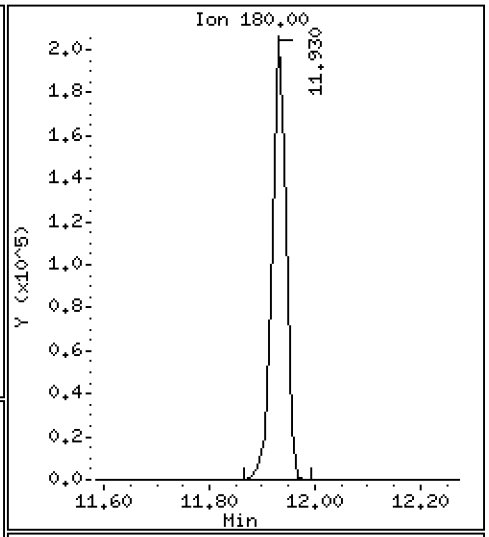
Column phase: ZB-5msi

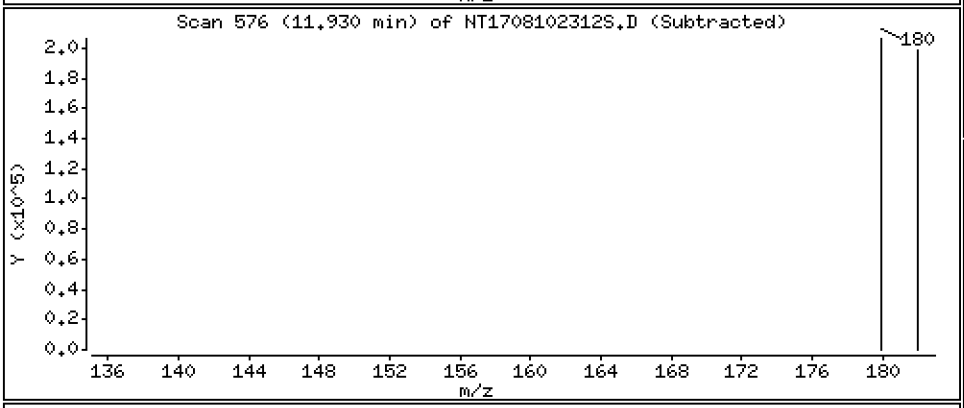
Column diameter: 0.25

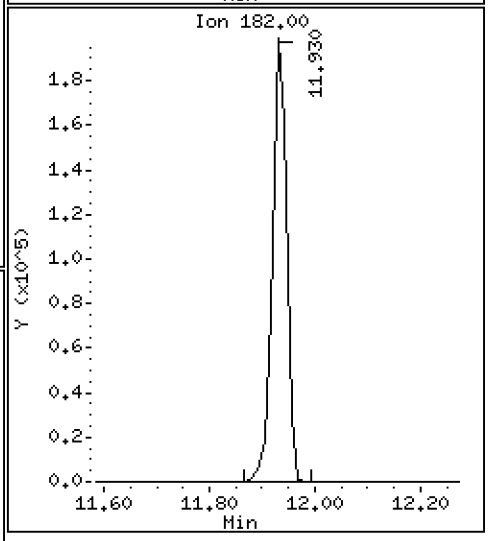
26 1,2,4-Trichlorobenzene

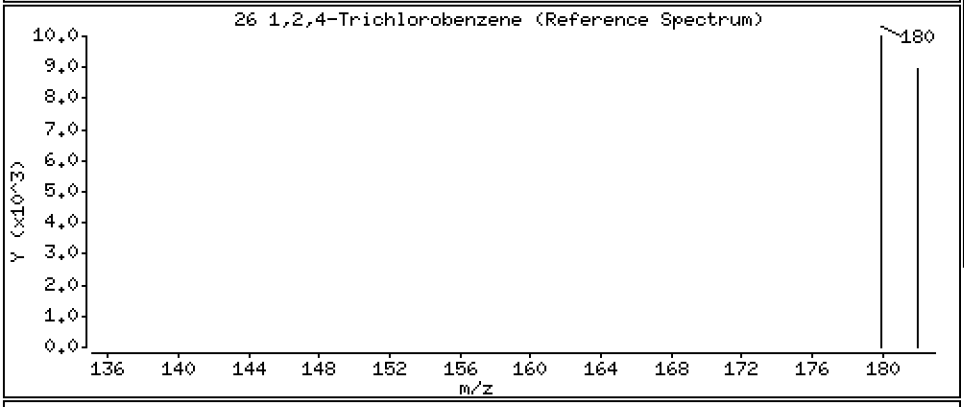
Concentration: 5.028 ug/mL

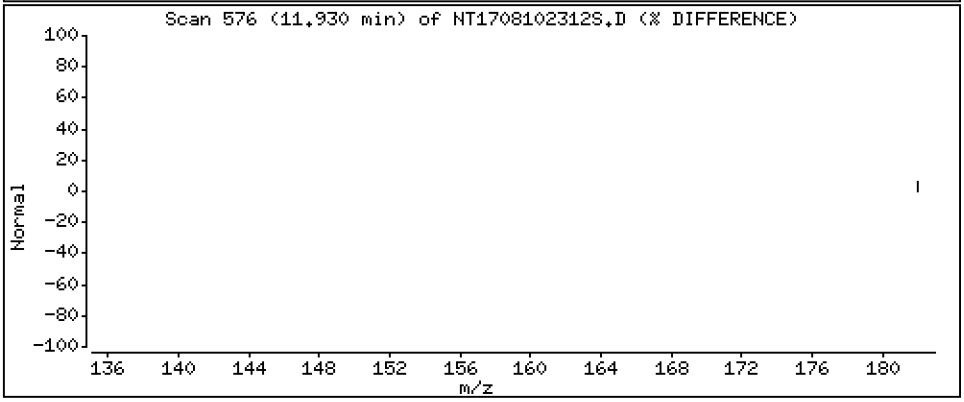












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

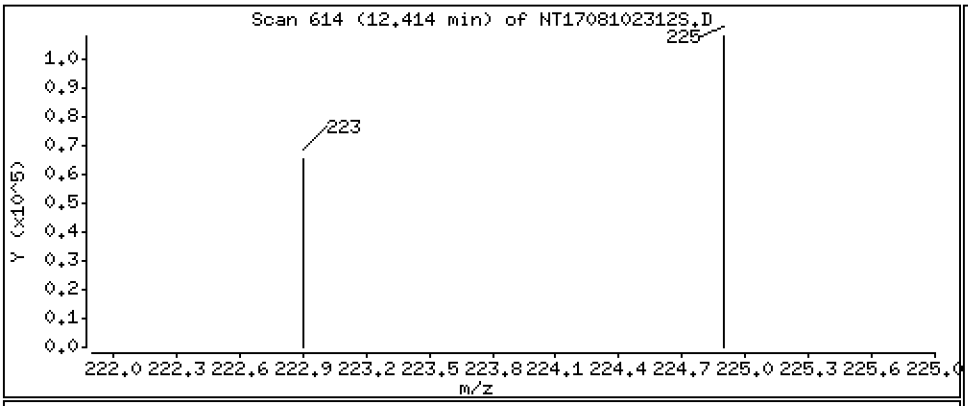
Operator: JGR

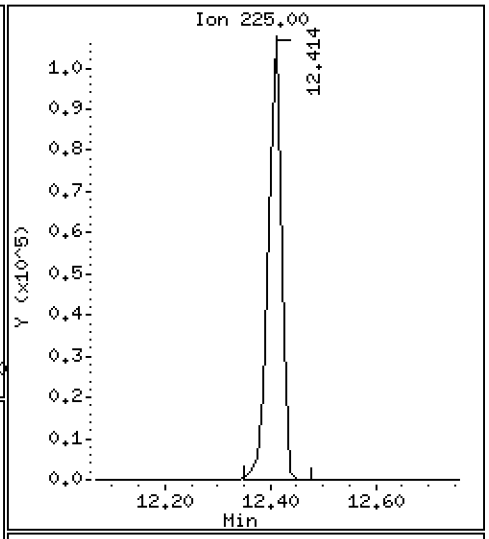
Column phase: ZB-5msi

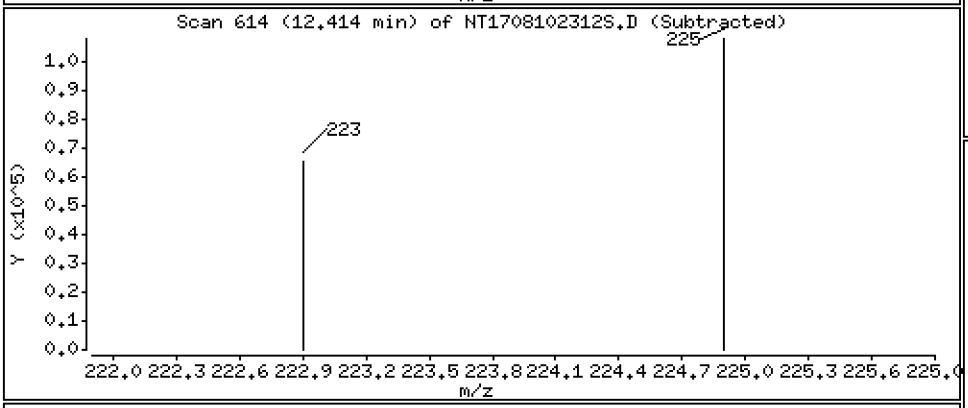
Column diameter: 0.25

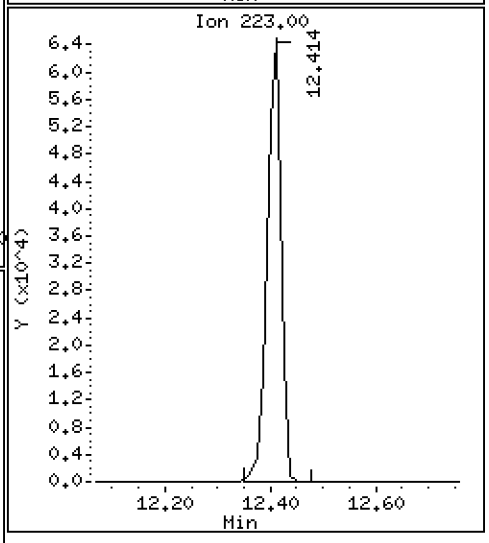
30 Hexachlorobutadiene

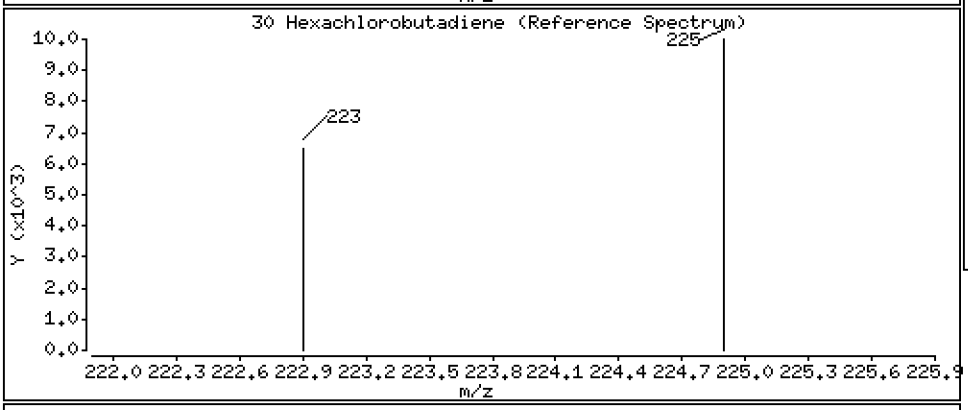
Concentration: 5.378 ug/mL

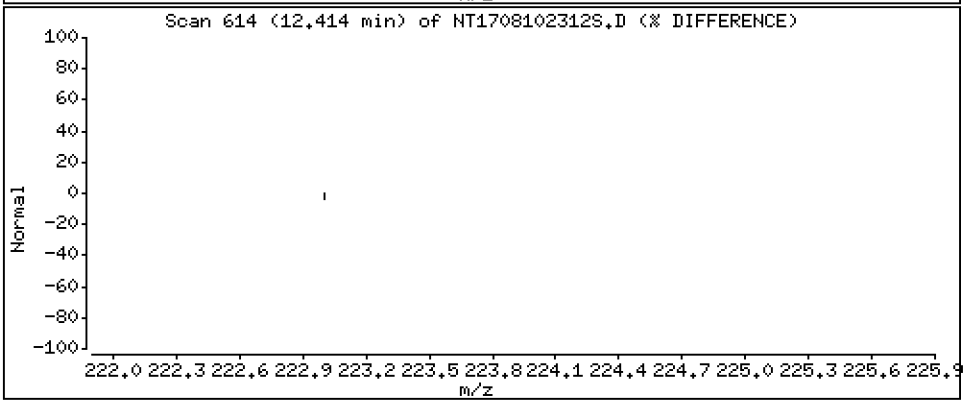












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

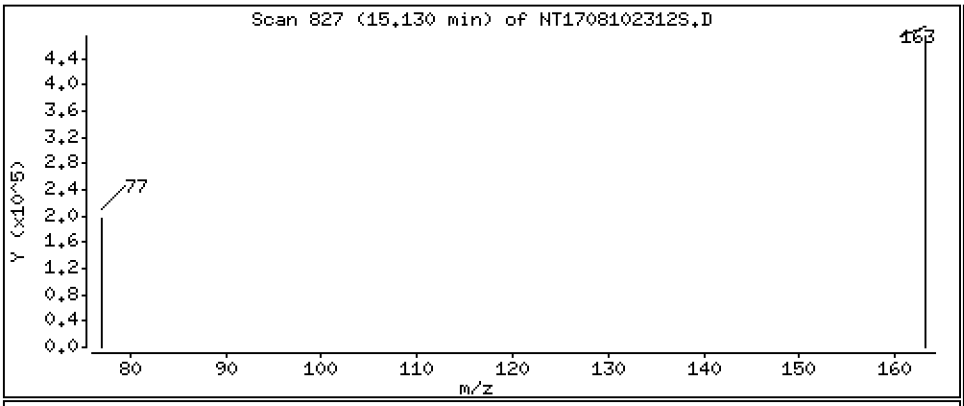
Operator: JGR

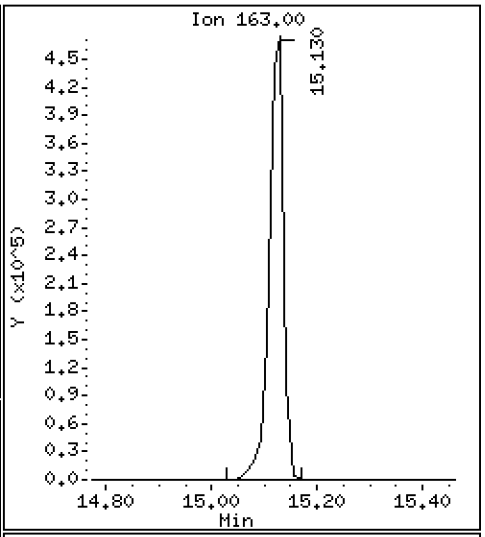
Column phase: ZB-5msi

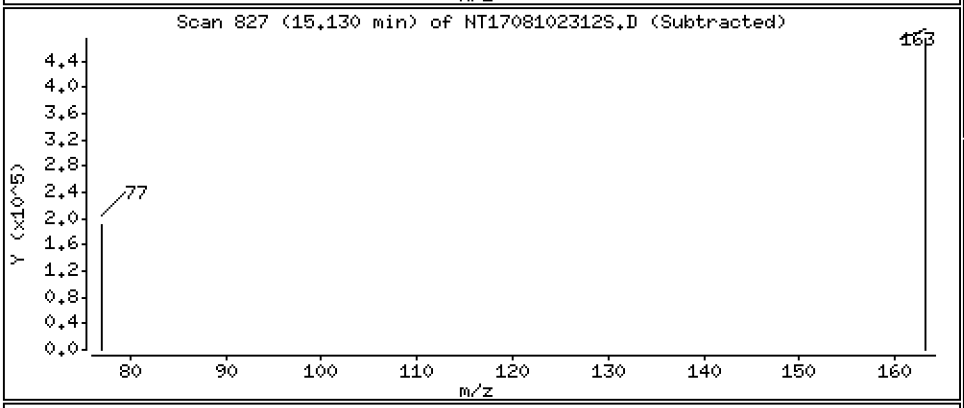
Column diameter: 0.25

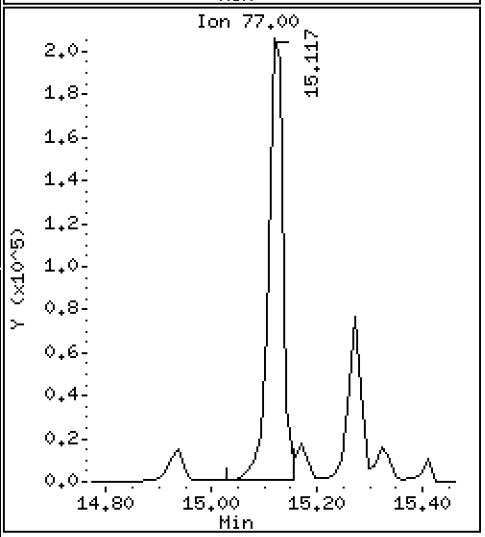
39 Dimethylphthalate

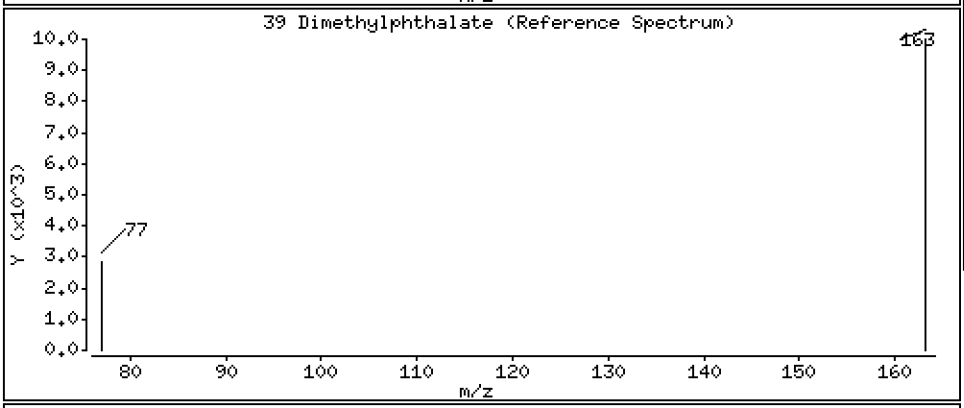
Concentration: 5.868 ug/mL

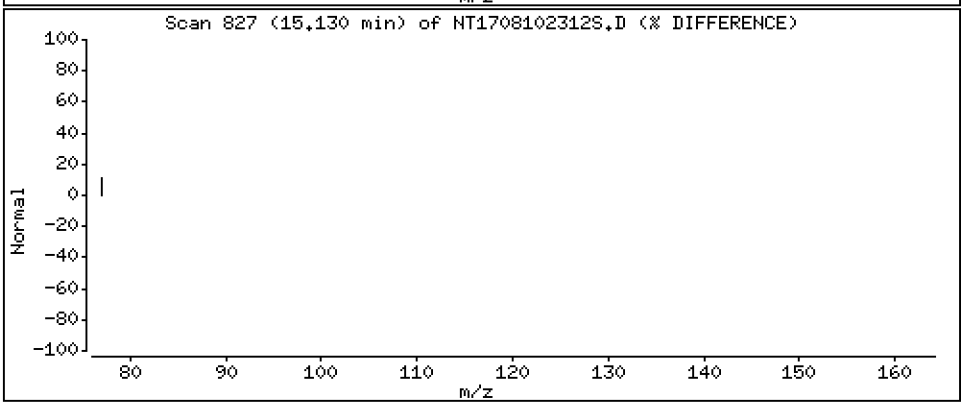












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

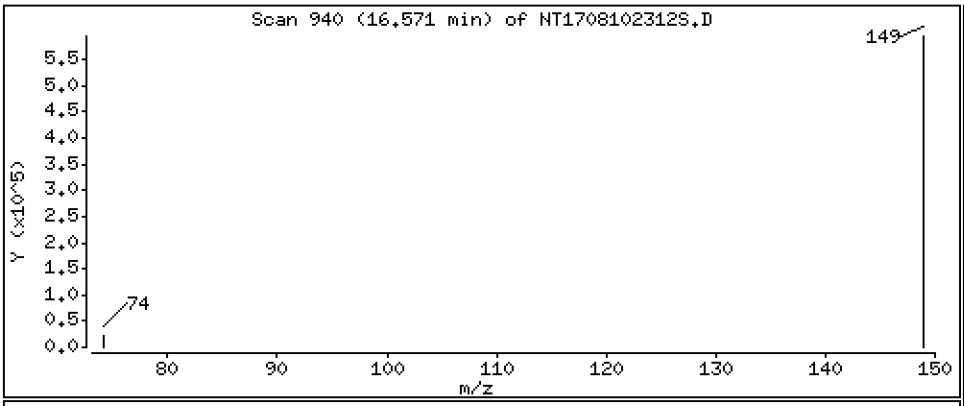
Operator: JGR

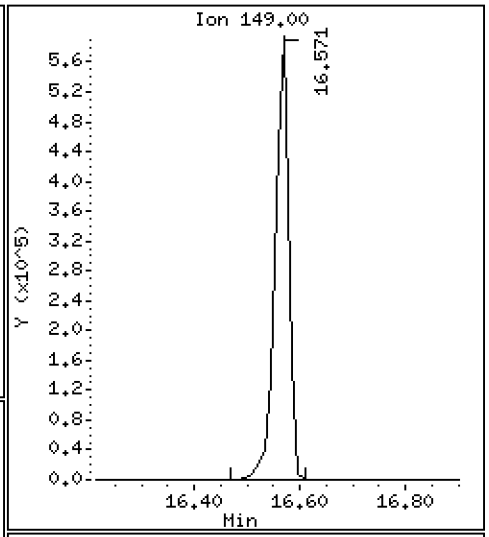
Column phase: ZB-5msi

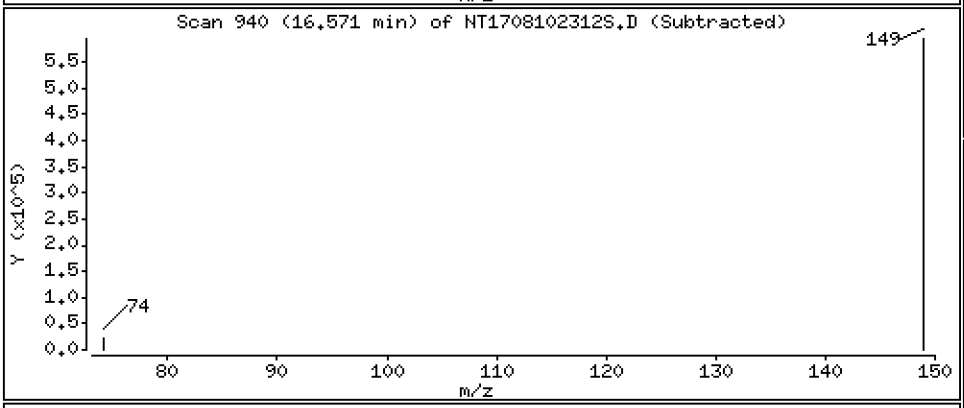
Column diameter: 0.25

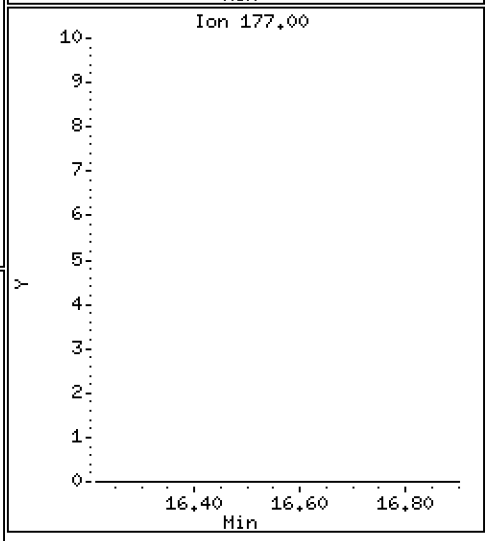
50 Diethylphthalate

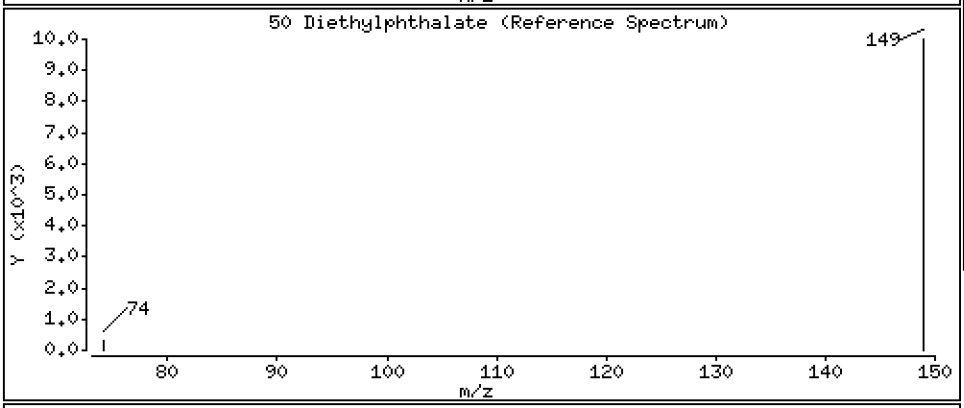
Concentration: 6.387 ug/mL

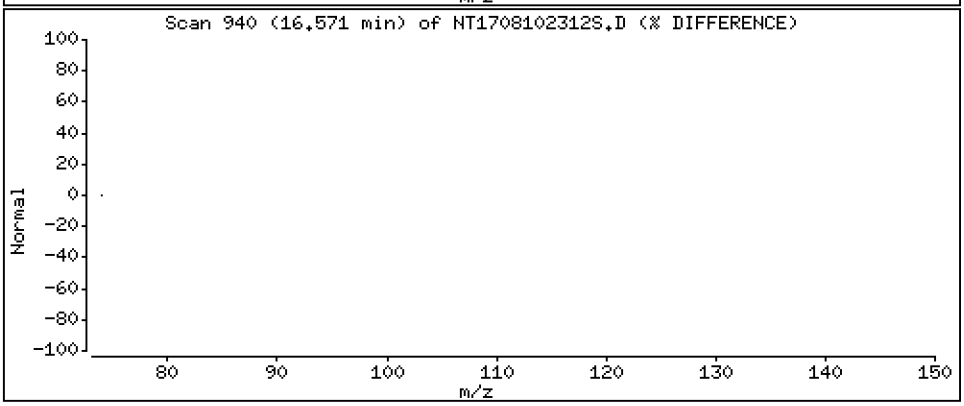












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

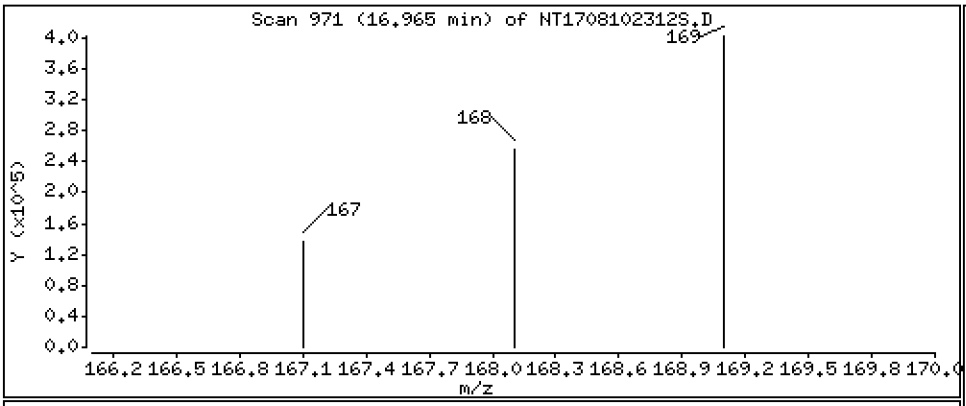
Operator: JGR

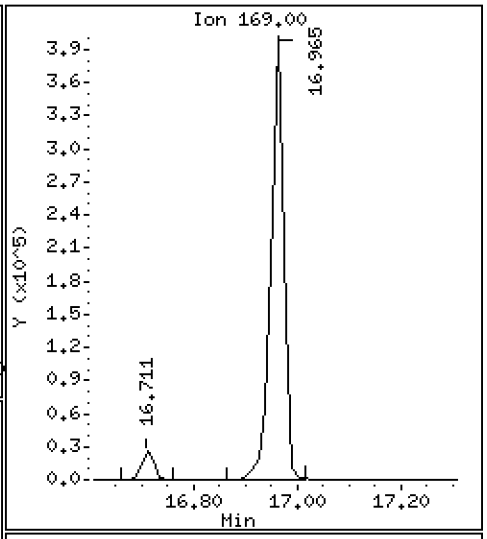
Column phase: ZB-5msi

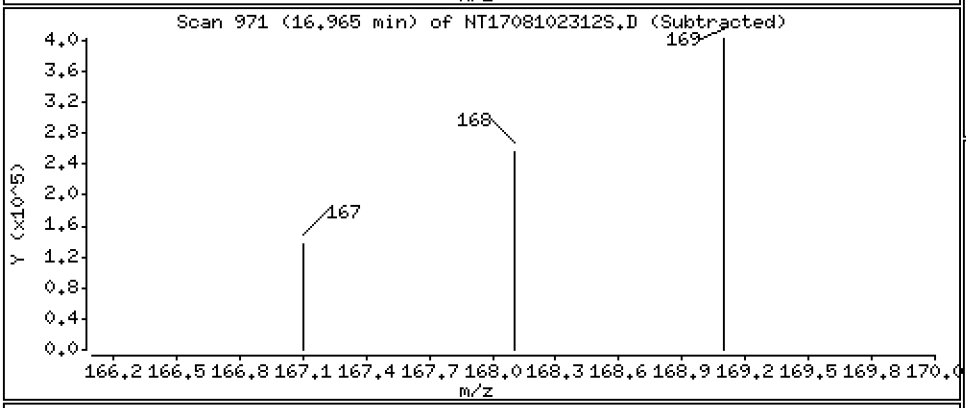
Column diameter: 0.25

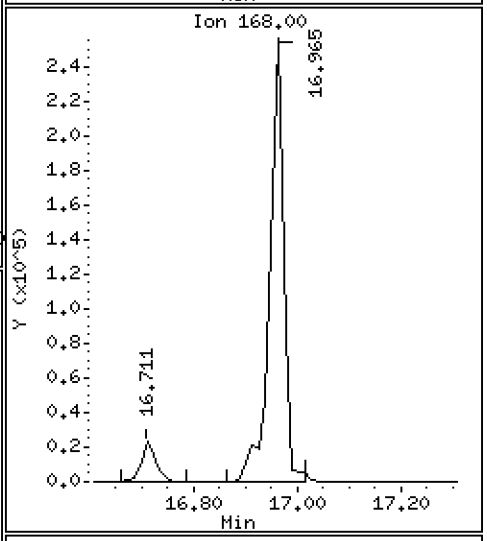
54 N-Nitrosodiphenylamine

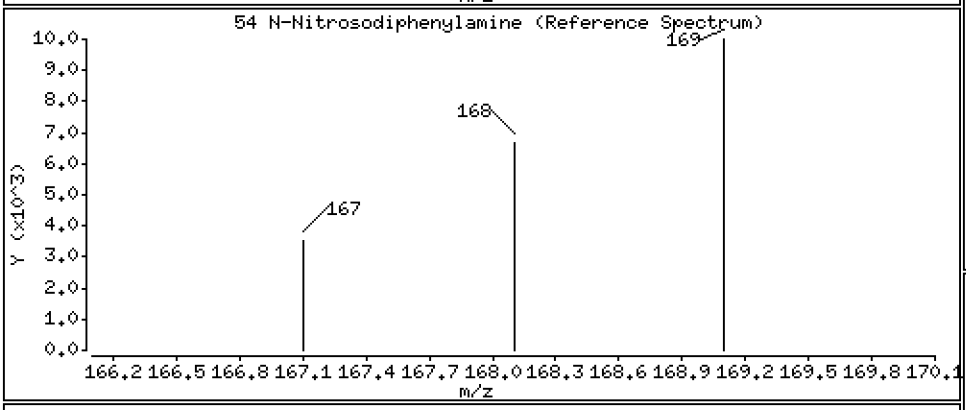
Concentration: 5.881 ug/mL

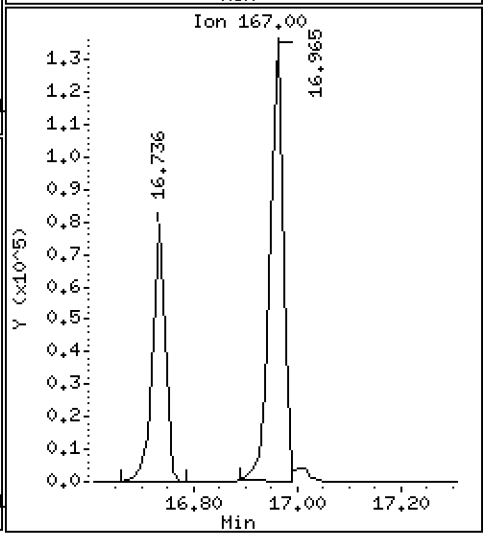


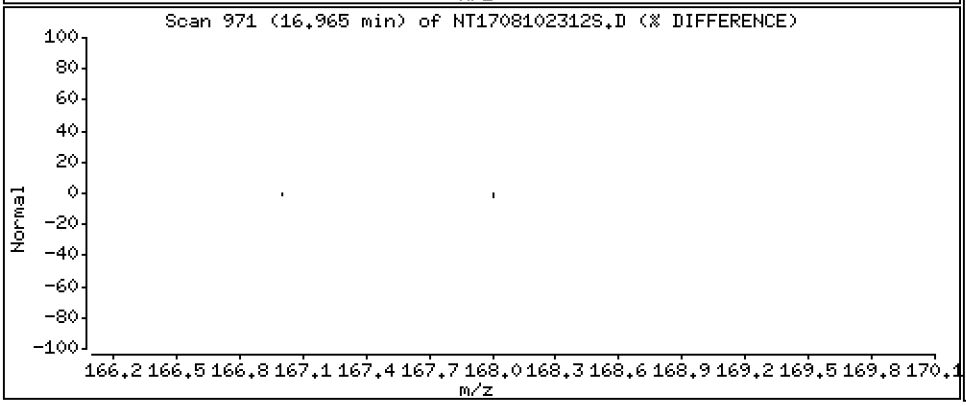












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

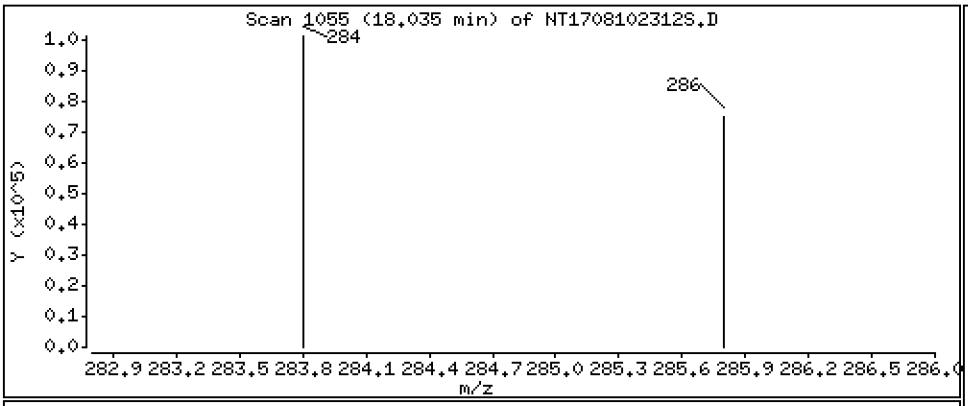
Operator: JGR

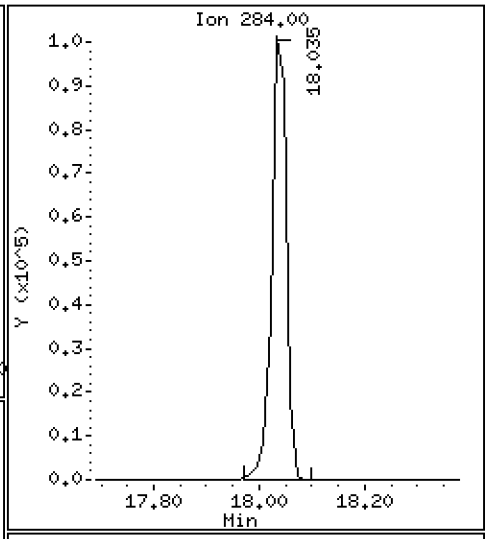
Column phase: ZB-5msi

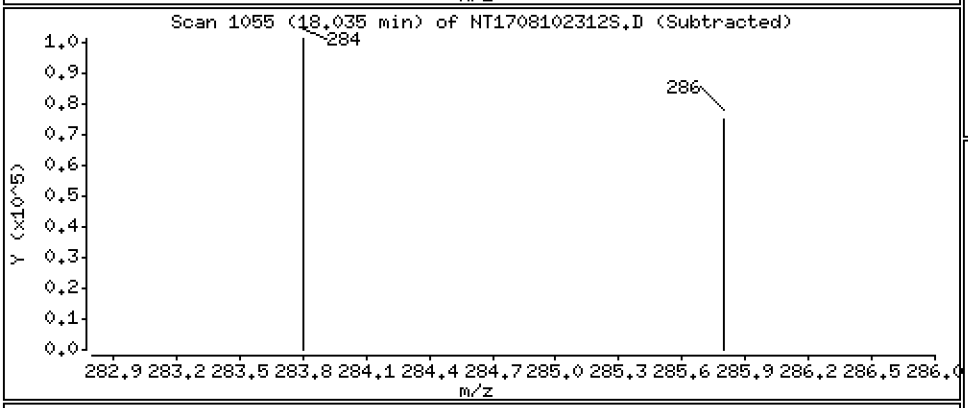
Column diameter: 0.25

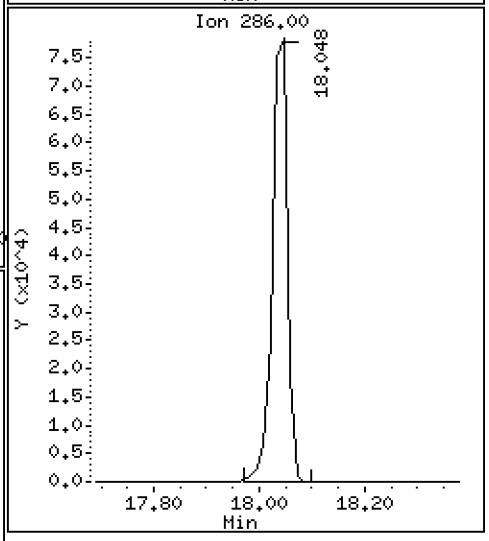
57 Hexachlorobenzene

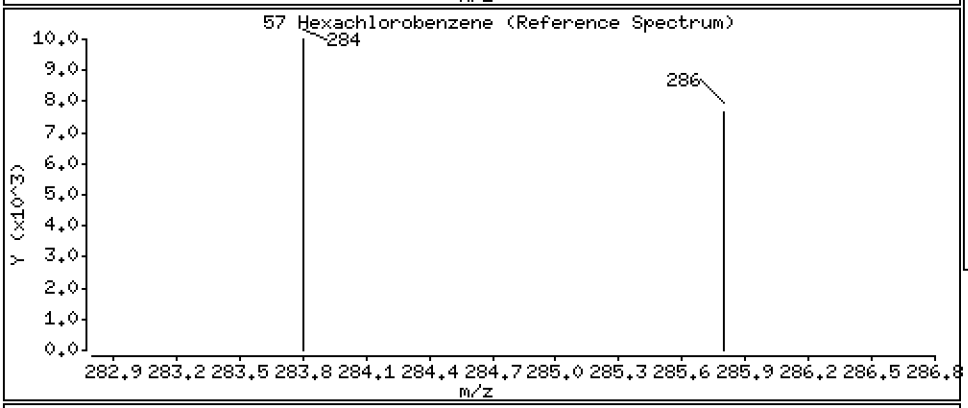
Concentration: 5.215 ug/mL

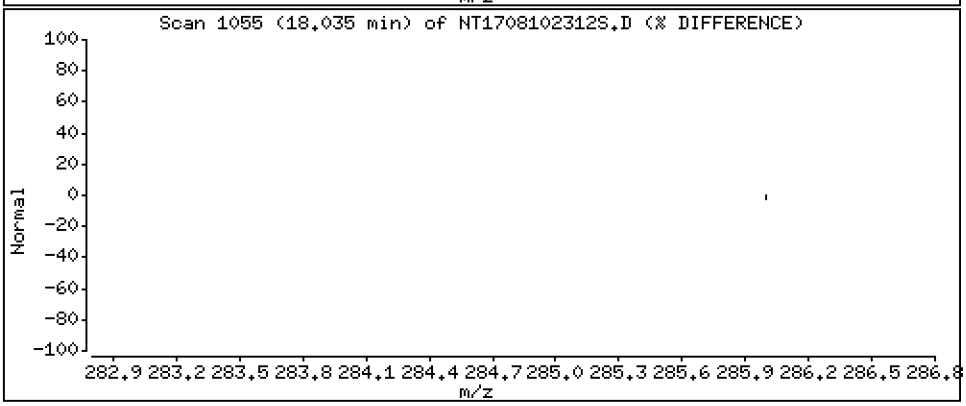












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

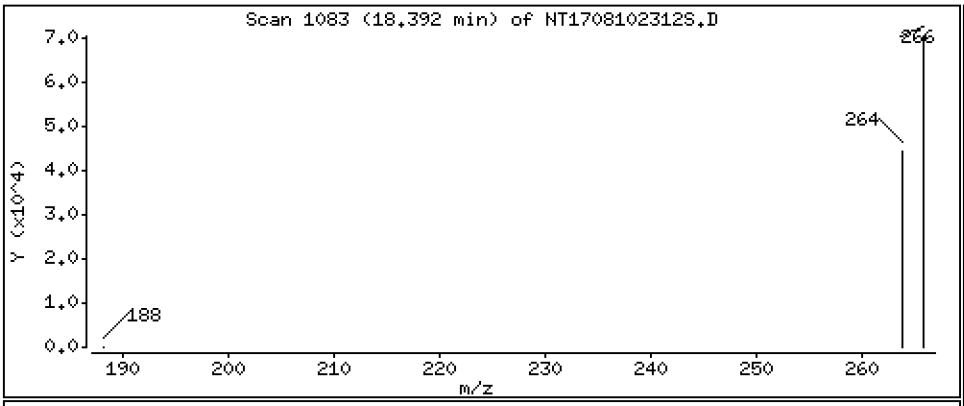
Operator: JGR

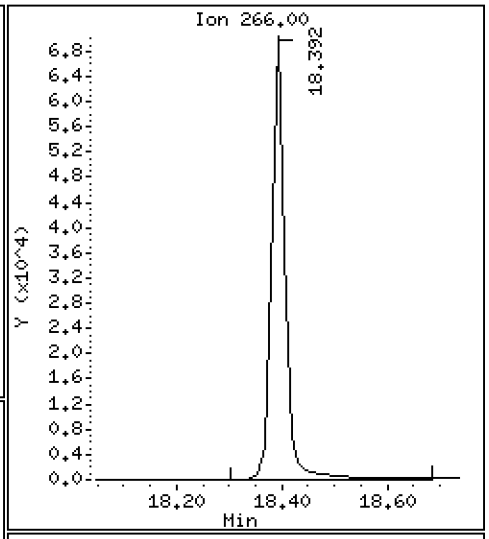
Column phase: ZB-5msi

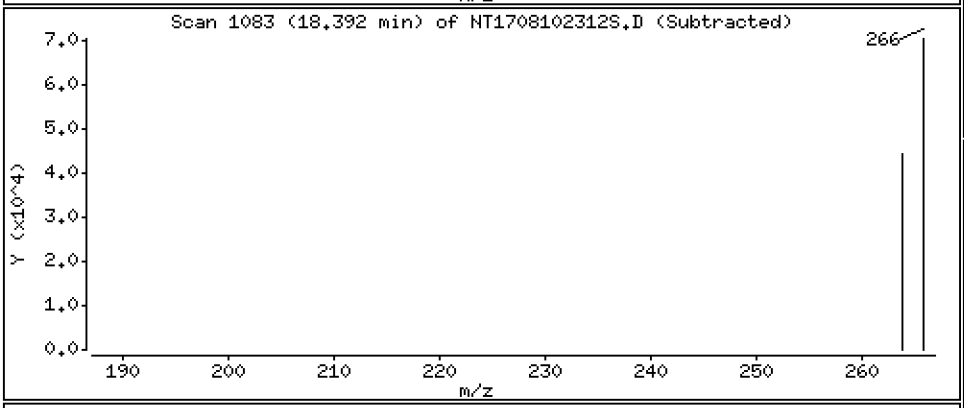
Column diameter: 0.25

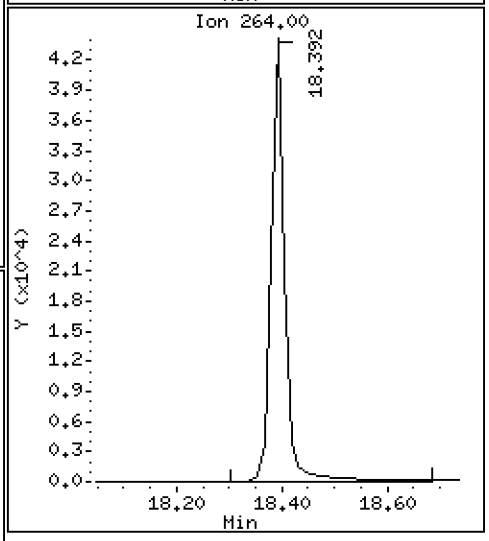
58 Pentachlorophenol

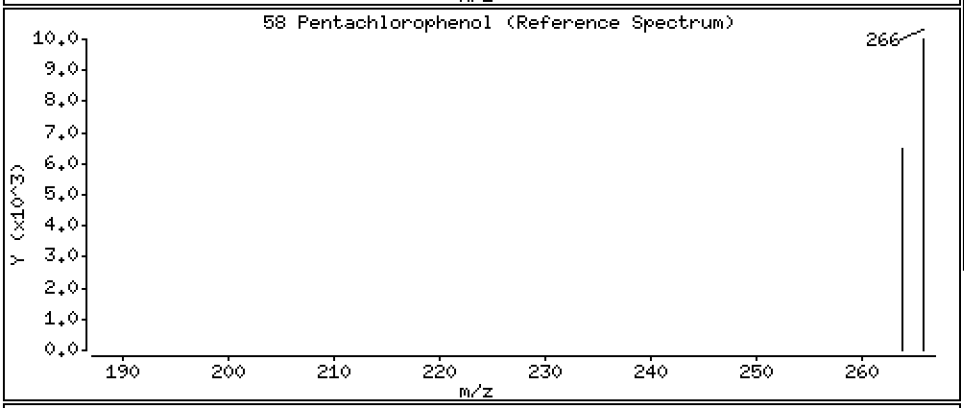
Concentration: 4.844 ug/mL

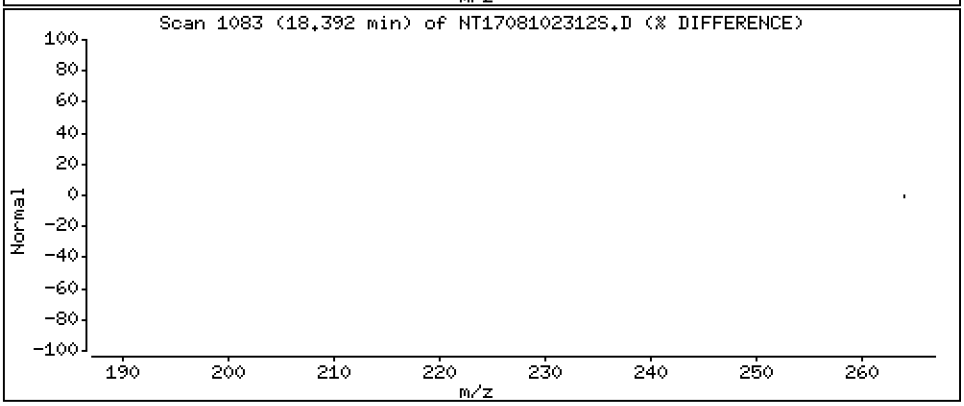












Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT17081023125.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

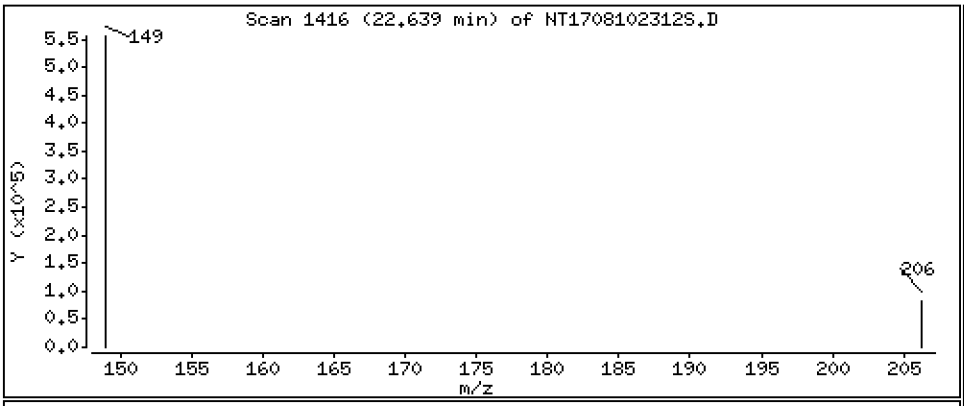
Operator: JGR

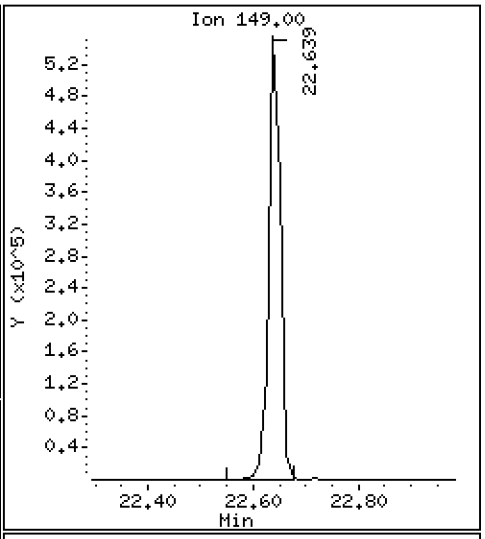
Column phase: ZB-5msi

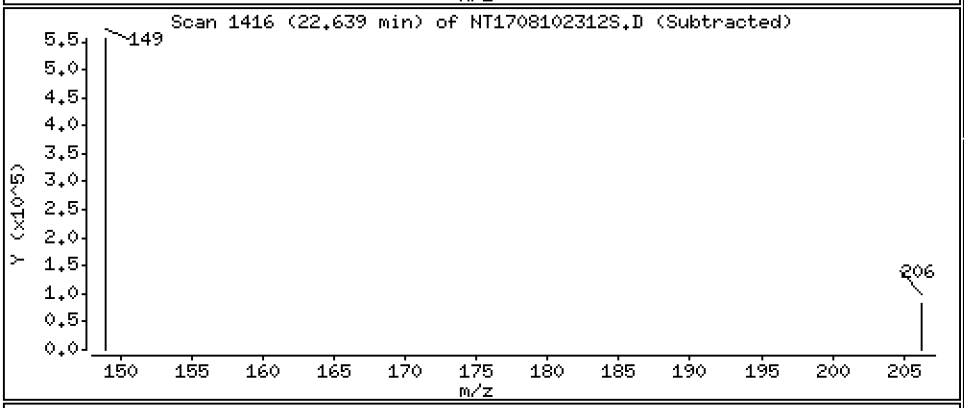
Column diameter: 0.25

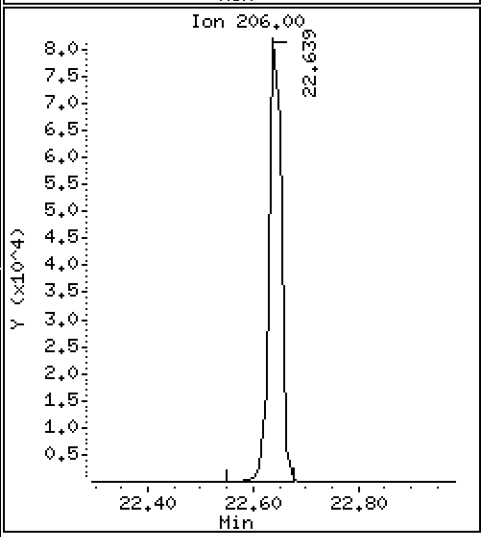
67 Butylbenzylphthalate

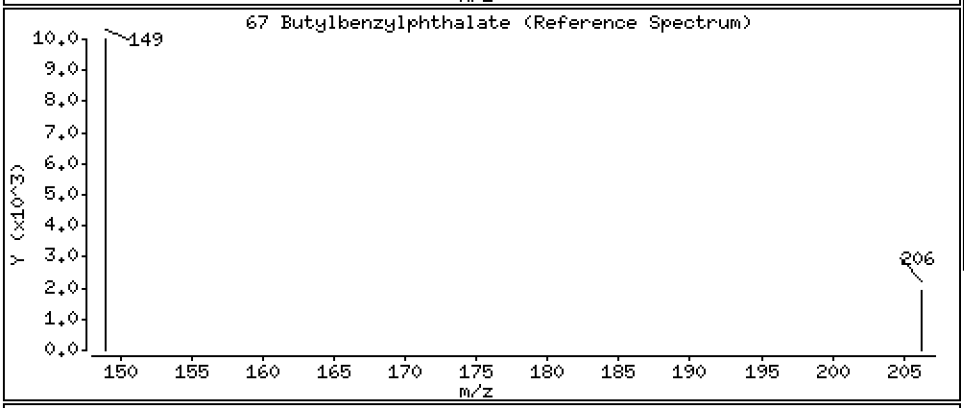
Concentration: 5.503 ug/mL

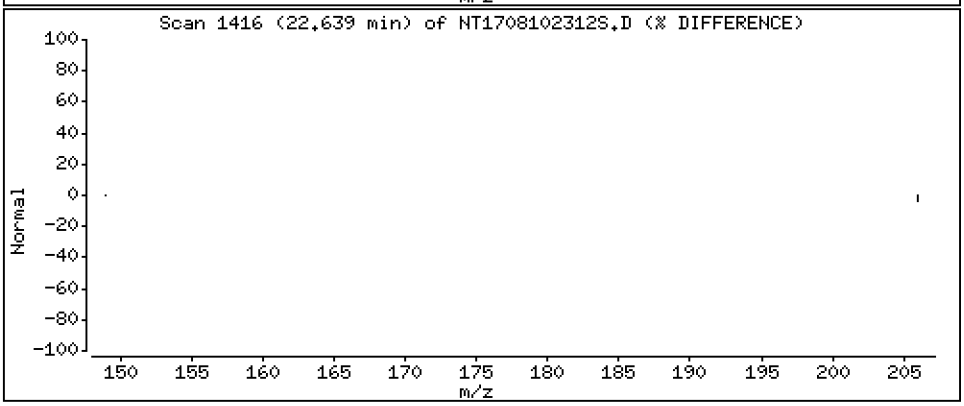












Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT17081023125.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

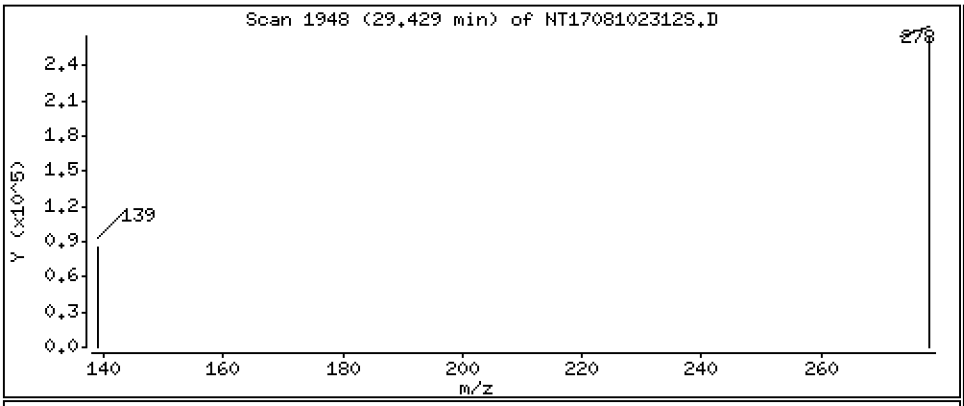
Operator: JGR

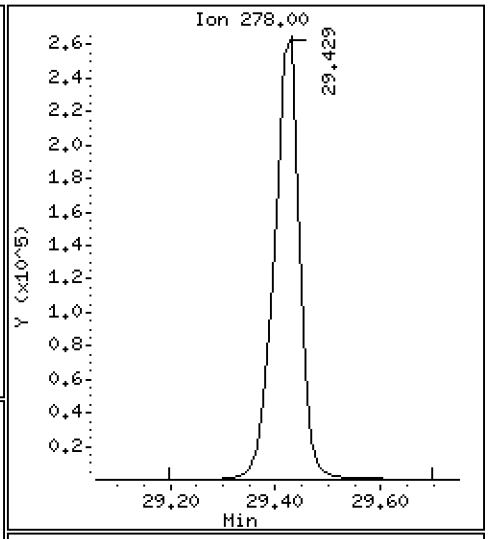
Column phase: ZB-5msi

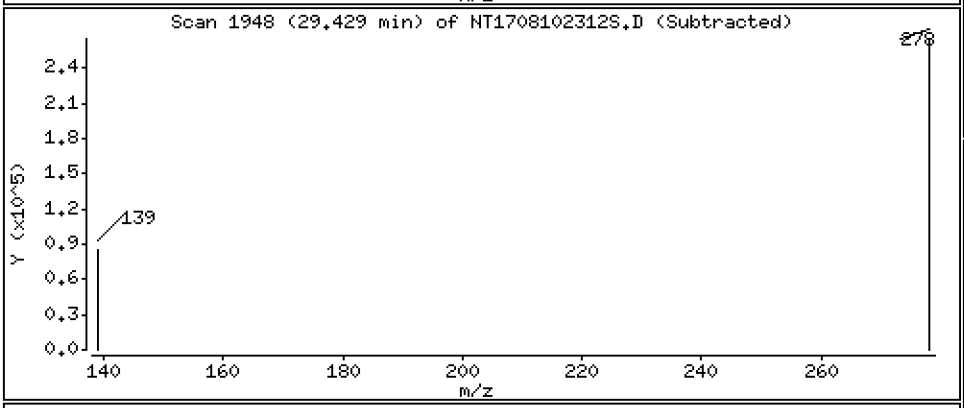
Column diameter: 0.25

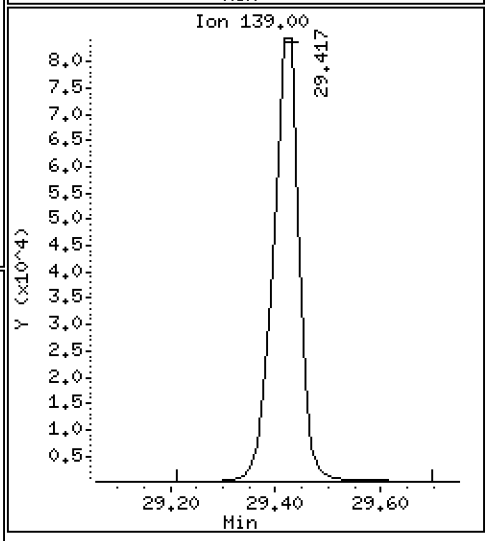
79 Dibenzo(a,h)anthracene

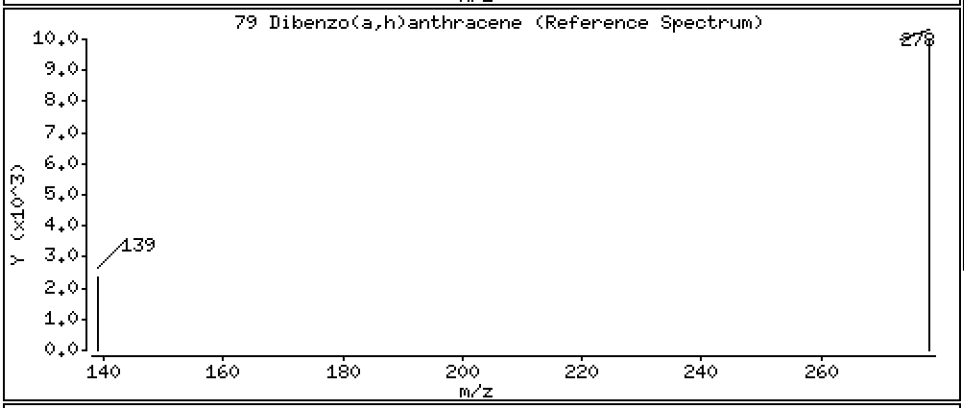
Concentration: 5.066 ug/mL

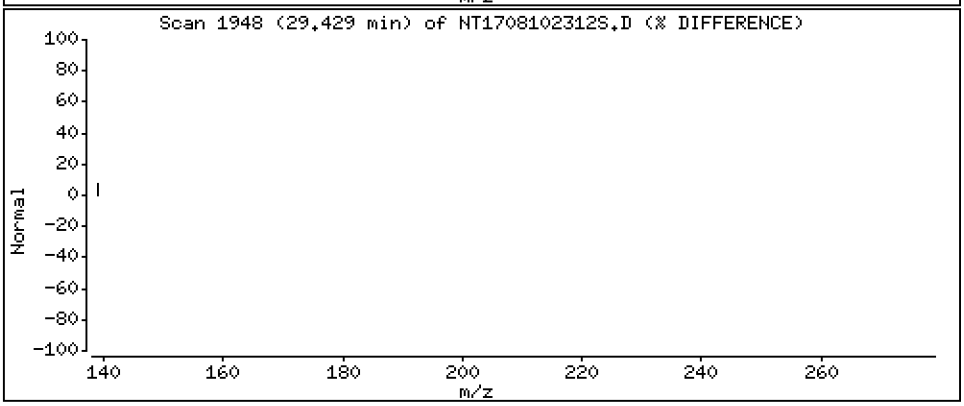












Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT17081023125.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

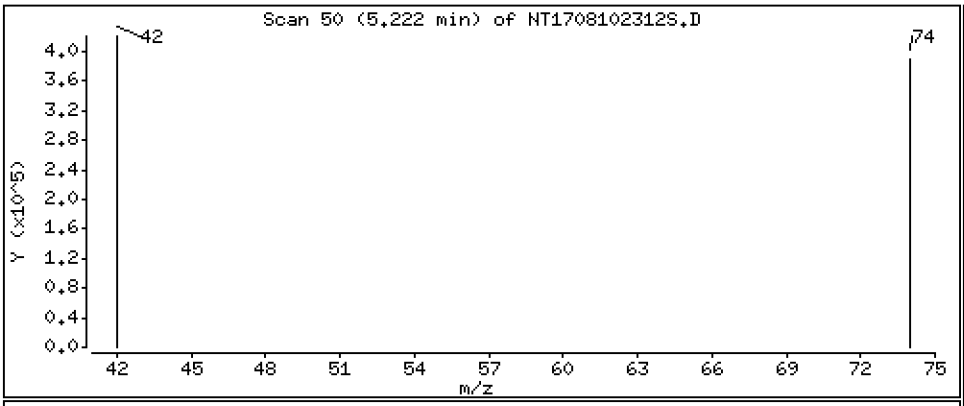
Operator: JGR

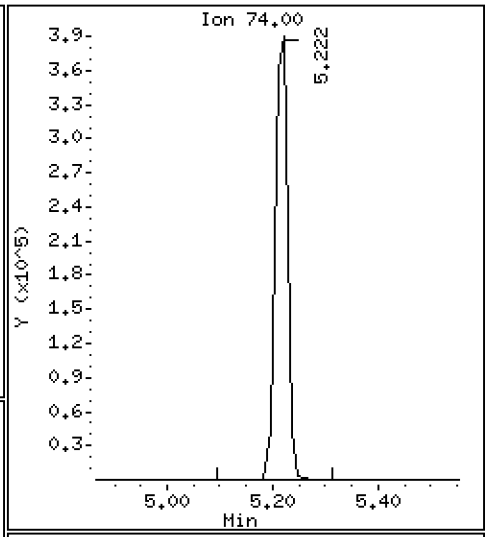
Column phase: ZB-5msi

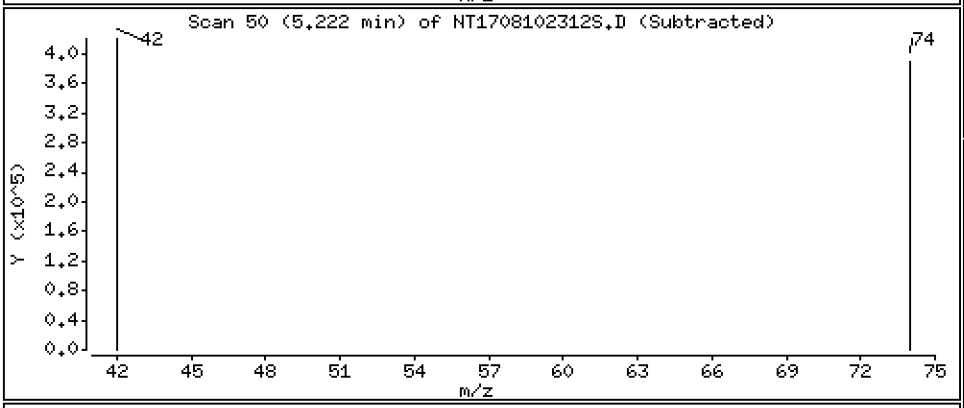
Column diameter: 0.25

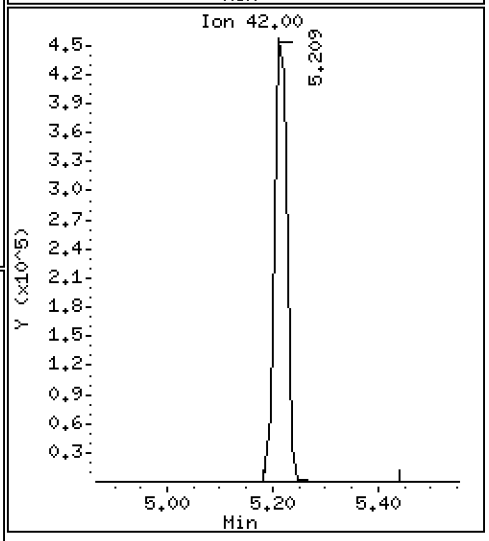
90 N-Nitrosodimethylamine

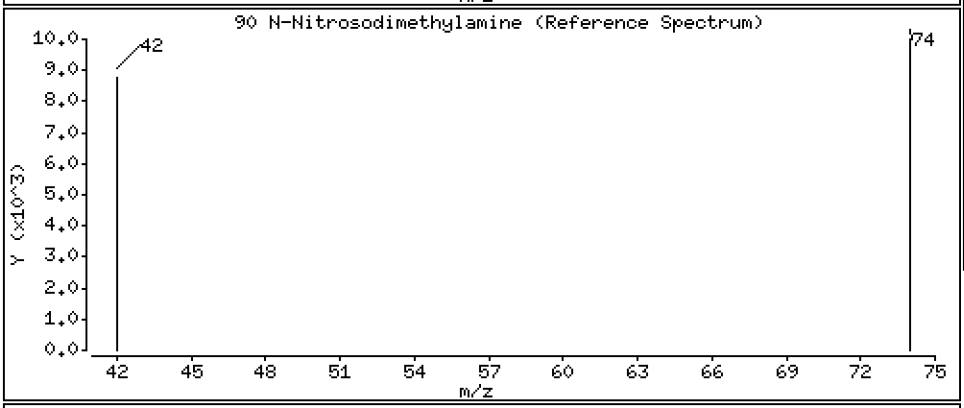
Concentration: 5.656 ug/mL

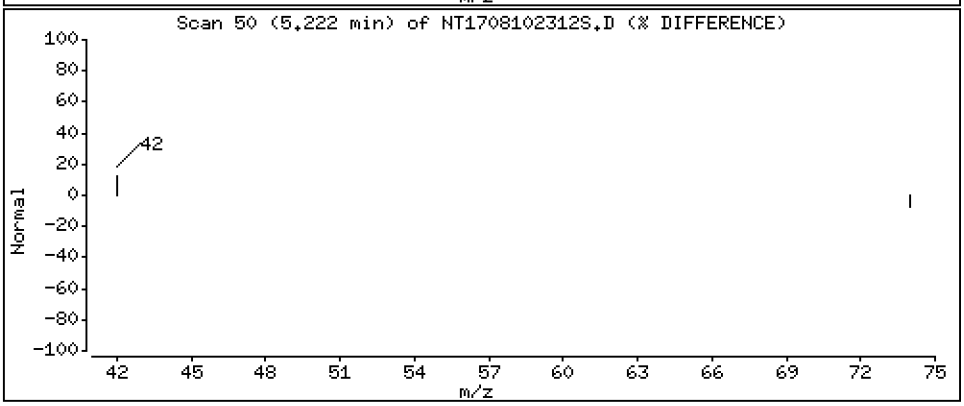












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102312S.D
Lab Smp Id: SEQ-SCV1
Inj Date : 10-AUG-2023 18:45
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-SCV1
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Meth Date : 11-Aug-2023 08:13 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1	2-Fluorophenol	112	Compound Not Detected.					
	3	Phenol	94	8.891	8.891	(0.932)	932540	5.50239	5.502
	7	1,3-Dichlorobenzene	146	9.477	9.477	(0.993)	591053	5.15578	5.156
*	8	1,4-Dichlorobenzene-d4	152	9.541	9.541	(1.000)	267754	4.00000	
	9	1,4-Dichlorobenzene	146	9.566	9.566	(1.003)	573424	5.16858	5.169
	11	Benzyl alcohol	79	9.796	9.796	(1.027)	709897	6.05184	6.052
	12	1,2-Dichlorobenzene	146	9.924	9.924	(1.040)	561360	5.21616	5.216
	13	2-Methylphenol	108	10.001	10.001	(1.048)	525371	5.11241	5.112
	15	4-Methylphenol	108	10.282	10.269	(1.078)	589793	5.49122	5.491
	16	N-Nitroso-di-n-propylamine	70	10.359	10.346	(1.086)	677820	6.17127	6.171
	22	2,4-Dimethylphenol	107	11.317	11.316	(0.941)	497084	4.51954	4.520
	24	Benzoic acid	105	11.495	11.521	(0.955)	749206	9.95900	9.959
	26	1,2,4-Trichlorobenzene	180	11.929	11.929	(0.992)	377826	5.02775	5.028
*	27	Naphthalene-d8	136	12.031	12.018	(1.000)	1096182	4.00000	
	30	Hexachlorobutadiene	225	12.413	12.413	(1.032)	189282	5.37846	5.378
	39	Dimethylphthalate	163	15.130	15.117	(0.967)	949831	5.86824	5.868
*	42	Acenaphthene-d10	162	15.640	15.627	(1.000)	498001	4.00000	
	50	Diethylphthalate	149	16.570	16.557	(1.059)	1074870	6.38666	6.387
	54	N-Nitrosodiphenylamine	169	16.965	16.965	(0.909)	685167	5.88111	5.881
	57	Hexachlorobenzene	284	18.034	18.034	(0.966)	199043	5.21462	5.215
	58	Pentachlorophenol	266	18.391	18.392	(0.985)	125476	4.84413	4.844
*	59	Phenanthrene-d10	188	18.672	18.672	(1.000)	810370	4.00000	
$	66	Terphenyl-d14	244	Compound Not Detected.					
	67	Butylbenzylphthalate	149	22.638	22.639	(0.957)	857851	5.50335	5.503
*	69	Chrysene-d12	240	23.646	23.646	(1.000)	587436	4.00000	
*	77	Perylene-d12	264	26.452	26.452	(1.000)	595930	4.00000	
	79	Dibenzo(a,h)anthracene	278	29.429	29.404	(1.113)	891713	5.06606	5.066
	90	N-Nitrosodimethylamine	74	5.221	5.209	(0.547)	639879	5.65625	5.656(M)

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102312S.D
Lab Smp Id: SEQ-SCV1
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 15:01
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	319389	159695	638778	267754	-16.17
27 Naphthalene-d8	1274686	637343	2549372	1096182	-14.00
42 Acenaphthene-d10	569885	284943	1139770	498001	-12.61
59 Phenanthrene-d10	915829	457915	1831658	810370	-11.52
69 Chrysene-d12	653460	326730	1306920	587436	-10.10
77 Perylene-d12	654887	327444	1309774	595930	-9.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.54	9.04	10.04	9.54	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.03	0.11
42 Acenaphthene-d10	15.64	15.14	16.14	15.64	0.00
59 Phenanthrene-d10	18.67	18.17	19.17	18.67	0.00
69 Chrysene-d12	23.65	23.15	24.15	23.65	0.00
77 Perylene-d12	26.45	25.95	26.95	26.45	0.00

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

REVIEW SUMMARY FOR FILE - NT1708102312S.D

Lab ID: SEQ-SCV1
nt17.i, 20230810.b\SIM.B\SIMABN2.m,   10-AUG-2023 18:45

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

** FIRST SURROGATE NOT FOUND. ICAL Check not performed **

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND

NONE

RRT check based on Ccal File: SIM.B/NT1708102309S.D

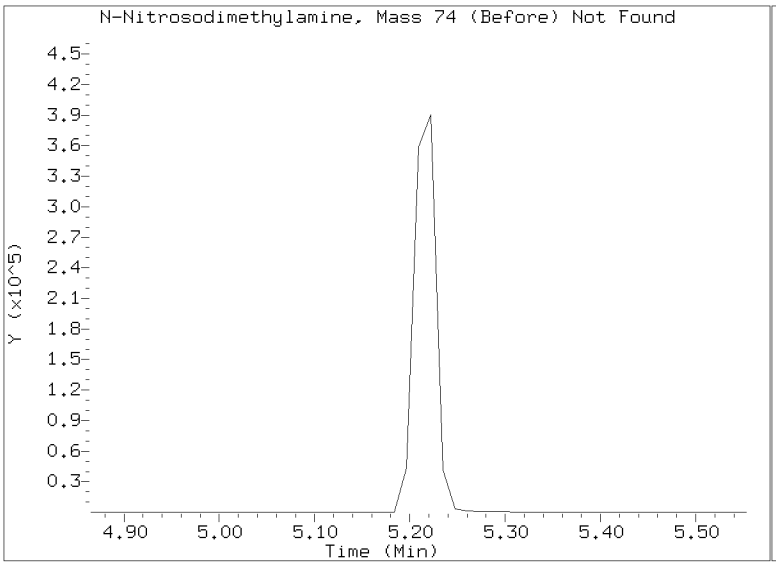
On Column LOD for nt17.i, SIM.B\SIMABN2.m, PSDDA.sub = 0.0000

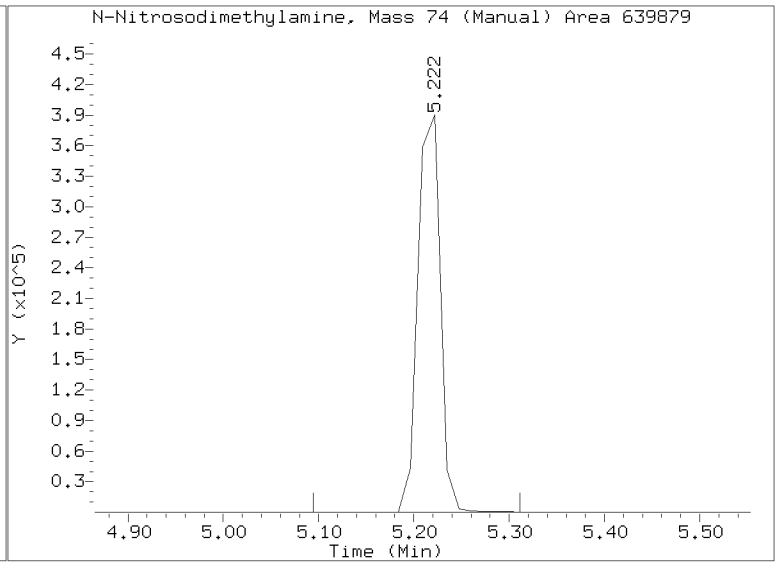
Exception: 1,2,4-Trichlorobenzene 0.0010

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

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230810.b/SIM.B/NT1708102312S.D
Injection Date: 10-AUG-2023 18:45
Lab ID:SEQ-SCV1 Client ID:
Report Date: 08/15/2023 16:33





Analytical Resources, LLC
Analytical Chemists and Consultants

INITIAL CALIBRATION CHECK
EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Instrument ID:	NT17	Calibration:	GH00045
Lab File ID:	NT1708112303S.D	Calibration Date:	08/10/2023
Sequence:	SLH0248	Injection Date:	08/11/23
Lab Sample ID:	SLH0248-ICV1	Injection Time:	13:27
Sequence Name:	Initial Cal Check		

		CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT	
1,4-Dichlorobenzene	A	1.0000	1.0	1.6574040	1.7125060		3.3	+/-20	
1,2-Dichlorobenzene	A	1.0000	1.1	1.6077360	1.6999500		5.7	+/-20	
Benzyl Alcohol	A	1.0000	1.1	1.7523940	1.9081280		8.9	+/-20	
Benzoic acid	A	4.0000	3.1	0.1715968	0.2031525		-23.5	+/-20	*
4-Methylphenol	A	1.0000	1.1	1.6045550	1.7823540		11.1	+/-20	
2,4-Dimethylphenol	A	2.0000	2.2	0.4013400	0.4392696		9.5	+/-20	
1,2,4-Trichlorobenzene	A	1.0000	1.1	0.2742178	0.2895605		5.6	+/-20	
N-Nitrosodiphenylamine	A	1.0000	1.1	0.5750605	0.6604545		14.8	+/-20	
Pentachlorophenol	A	2.0000	1.3	0.0738457	0.0859657		-32.8	+/-20	*
2-Fluorophenol	A	1.5000	1.64	1.6608890	1.8160300		9.3	+/-20	
p-Terphenyl-d14	A	1.0000	1.06	0.5535288	0.5848677		5.7	+/-20	
1,4-Dichlorobenzene-d4	A	4.0000	4.0	78350.3400	1.0000		0.0		
Naphthalene-d8	A	4.0000	4.0	309461.8000	1.0000		0.0		
Acenaphthene-d10	A	4.0000	4.0	135771.1000	1.0000		0.0		
Phenanthrene-d10	A	4.0000	4.0	217983.8000	1.0000		0.0		
Chrysene-d12	A	4.0000	4.0	158795.0000	1.0000		0.0		
Perylene-d12	A	4.0000	4.0	157739.7000	1.0000		0.0		

* Values outside of QC limits

Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112303S.D

Date : 11-AUG-2023 13:27

Client ID:

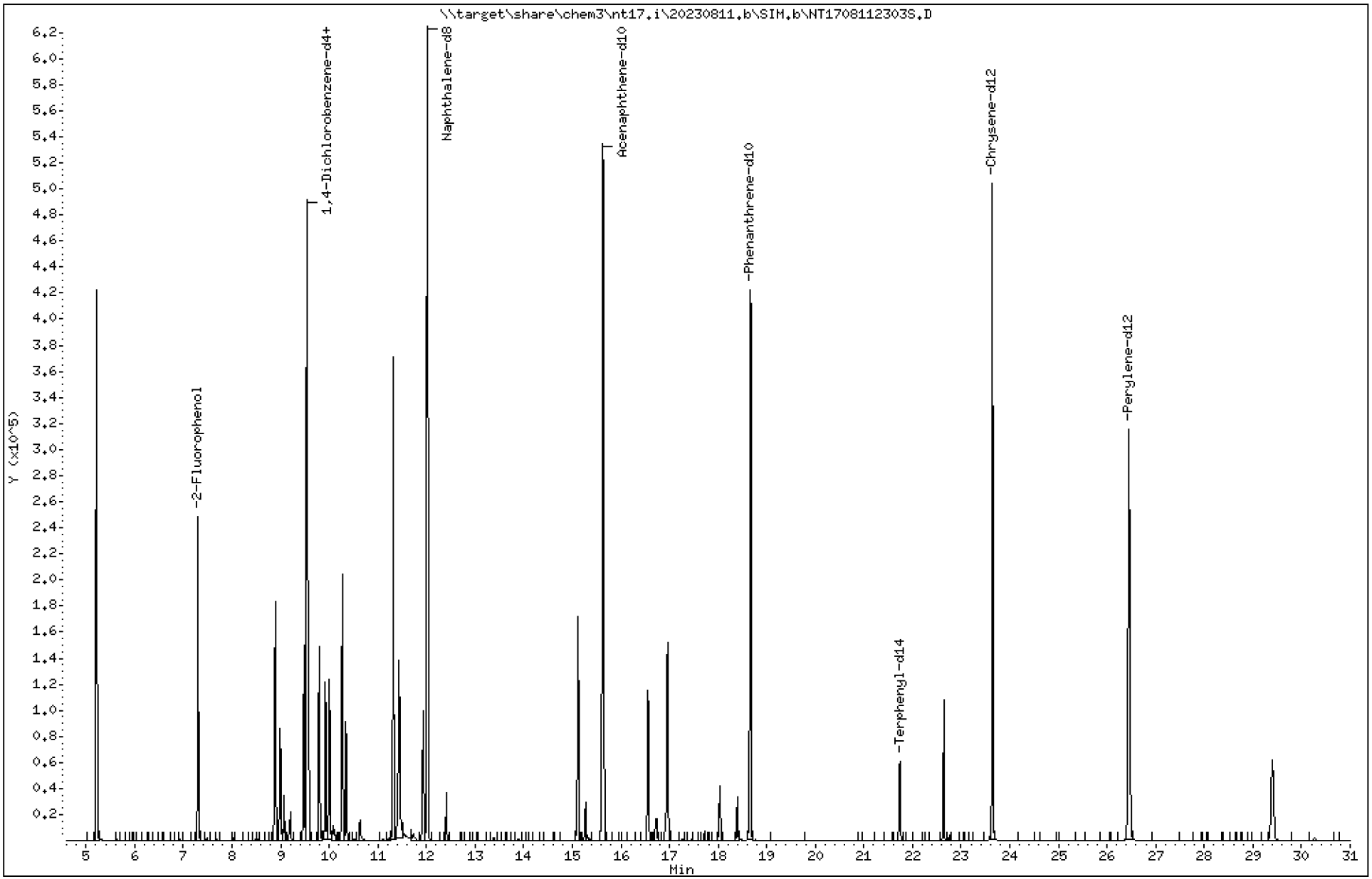
Sample Info: SEQ-ICV2

Column phase: ZB-5msi

Instrument: nt17.i

Operator: YZ

Column diameter: 0.25



ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112303S.D
Lab Smp Id: SEQ-ICV2
Inj Date : 11-AUG-2023 13:27
Operator : YZ Inst ID: nt17.i
Smp Info : SEQ-ICV2
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230811.b\SIM.b\SIMABN2.m
Meth Date : 16-Aug-2023 08:42 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1	2-Fluorophenol	112	7.298	7.298	(0.765)	201119	1.50000	1.640
	3	Phenol	94	8.891	8.891	(0.932)	204502	1.00000	1.094
	7	1,3-Dichlorobenzene	146	9.477	9.477	(0.993)	132454	1.00000	1.048
*	8	1,4-Dichlorobenzene-d4	152	9.541	9.541	(1.000)	295324	4.00000	
	9	1,4-Dichlorobenzene	146	9.566	9.566	(1.003)	126436	1.00000	1.033
	11	Benzyl alcohol	79	9.796	9.796	(1.027)	140879	1.00000	1.089
	12	1,2-Dichlorobenzene	146	9.924	9.924	(1.040)	125509	1.00000	1.057
	13	2-Methylphenol	108	10.001	10.001	(1.048)	124368	1.00000	1.097
	15	4-Methylphenol	108	10.269	10.269	(1.076)	131593	1.00000	1.111
	16	N-Nitroso-di-n-propylamine	70	10.346	10.346	(1.084)	135513	1.00000	1.119
	22	2,4-Dimethylphenol	107	11.316	11.316	(0.942)	257569	2.00000	2.189
	24	Benzoic acid	105	11.444	11.444	(0.952)	238240	4.00000	3.059
	26	1,2,4-Trichlorobenzene	180	11.929	11.929	(0.993)	84893	1.00000	1.056
*	27	Naphthalene-d8	136	12.018	12.018	(1.000)	1172715	4.00000	
	30	Hexachlorobutadiene	225	12.413	12.413	(1.033)	39735	1.00000	1.055
	39	Dimethylphthalate	163	15.117	15.117	(0.967)	188047	1.00000	1.110
*	42	Acenaphthene-d10	162	15.627	15.627	(1.000)	521273	4.00000	
	50	Diethylphthalate	149	16.557	16.557	(1.060)	200607	1.00000	1.139
	54	N-Nitrosodiphenylamine	169	16.965	16.965	(0.909)	138336	1.00000	1.148
	57	Hexachlorobenzene	284	18.034	18.034	(0.967)	40869	1.00000	1.036
	58	Pentachlorophenol	266	18.391	18.391	(0.986)	36012	2.00000	1.345
*	59	Phenanthrene-d10	188	18.659	18.659	(1.000)	837823	4.00000	
$	66	Terphenyl-d14	244	21.745	21.745	(0.920)	89999	1.00000	1.057
	67	Butylbenzylphthalate	149	22.638	22.638	(0.957)	124113	1.00000	0.7599
*	69	Chrysene-d12	240	23.646	23.646	(1.000)	615517	4.00000	
*	77	Perylene-d12	264	26.452	26.452	(1.000)	594634	4.00000	
	79	Dibenzo(a,h)anthracene	278	29.403	29.403	(1.112)	165085	1.00000	0.9399
	90	N-Nitrosodimethylamine	74	5.209	5.209	(0.546)	263241	2.00000	2.110

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708112303S.D
Lab Smp Id: SEQ-ICV2
Analysis Type: SV
Quant Type: ISTD
Operator: YZ
Method File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\SIMABN2.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 15:01
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	319389	159695	638778	295324	-7.53
27 Naphthalene-d8	1274686	637343	2549372	1172715	-8.00
42 Acenaphthene-d10	569885	284943	1139770	521273	-8.53
59 Phenanthrene-d10	915829	457915	1831658	837823	-8.52
69 Chrysene-d12	653460	326730	1306920	615517	-5.81
77 Perylene-d12	654887	327444	1309774	594634	-9.20

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.54	9.04	10.04	9.54	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	-0.00
42 Acenaphthene-d10	15.64	15.14	16.14	15.63	-0.08
59 Phenanthrene-d10	18.67	18.17	19.17	18.66	-0.07
69 Chrysene-d12	23.65	23.15	24.15	23.65	-0.00
77 Perylene-d12	26.45	25.95	26.95	26.45	-0.00

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

REVIEW SUMMARY FOR FILE - NT1708112303S.D

Lab ID: SEQ-ICV2
nt17.i, 20230811.b\SIM.b\SIMABN2.m,   11-AUG-2023 13:27

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

No RRT check. Ccal file.

On Column LOD for nt17.i, SIM.b\SIMABN2.m, PSDDA.sub = 0.0000

Exception: 1,2,4-Trichlorobenzene 0.0010

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

Q-FLAG SUMMARY FOR DATABATCH - \\target\share\chem3\nt17.i\20230811.b\SIM.b

Instrument: nt17.i Date: 11-AUG-2023 Method: SIM.b\SIMABN2.m

INITIAL CAL: 10-JUL-2023

Compound	%RSD or R^2
NO Q-FLAGS	

ICV CAL: NT1708112303S.D 11-AUG-2023 13:27

Compound	%D
Benzoic acid	-23.5
Pentachlorophenol	-32.8
Butylbenzylphthalate	-24.0

Analytical Resources, LLC
Analytical Chemists and Consultants

INITIAL CALIBRATION CHECK
EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Instrument ID:	NT17	Calibration:	GH00045
Lab File ID:	NT1708172303S.D	Calibration Date:	08/10/2023
Sequence:	SLH0293	Injection Date:	08/17/23
Lab Sample ID:	SLH0293-ICV1	Injection Time:	20:49
Sequence Name:	Initial Cal Check		

		CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT	
1,4-Dichlorobenzene	A	1.0000	1.0	1.6574040	1.7060030		2.9	+/-20	
1,2-Dichlorobenzene	A	1.0000	1.0	1.6077360	1.6810350		4.6	+/-20	
Benzyl Alcohol	A	1.0000	1.1	1.7523940	1.9026090		8.6	+/-20	
Benzoic acid	A	4.0000	3.9	0.1715968	0.2574759		-3.4	+/-20	
4-Methylphenol	A	1.0000	1.1	1.6045550	1.8012470		12.3	+/-20	
2,4-Dimethylphenol	A	2.0000	2.0	0.4013400	0.4072370		1.5	+/-20	
1,2,4-Trichlorobenzene	A	1.0000	1.0	0.2742178	0.2849569		3.9	+/-20	
N-Nitrosodiphenylamine	A	1.0000	1.1	0.5750605	0.6533208		13.6	+/-20	
Pentachlorophenol	A	2.0000	1.3	0.0738457	0.0847570		-33.7	+/-20	*
2-Fluorophenol	A	1.5000	1.72	1.6608890	1.9051420		14.7	+/-20	
p-Terphenyl-d14	A	1.0000	1.23	0.5535288	0.6798955		22.8	+/-20	*
1,4-Dichlorobenzene-d4	A	4.0000	4.0	78350.3400	1.0000		0.0		
Naphthalene-d8	A	4.0000	4.0	309461.8000	1.0000		0.0		
Acenaphthene-d10	A	4.0000	4.0	135771.1000	1.0000		0.0		
Phenanthrene-d10	A	4.0000	4.0	217983.8000	1.0000		0.0		
Chrysene-d12	A	4.0000	4.0	158795.0000	1.0000		0.0		
Perylene-d12	A	4.0000	4.0	157739.7000	1.0000		0.0		

* Values outside of QC limits

Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT17081723035.D

Date : 17-AUG-2023 20:49

Client ID:

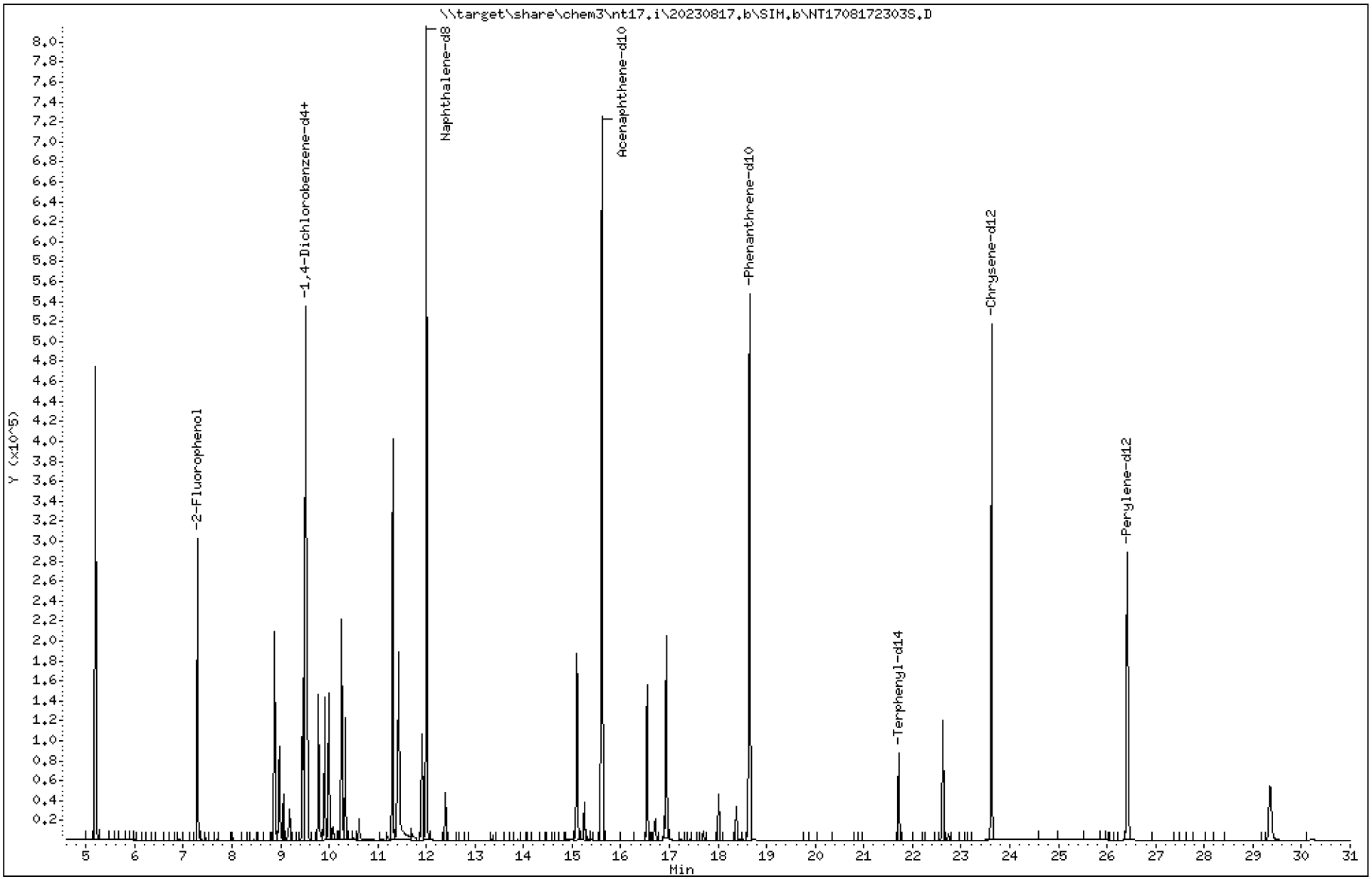
Sample Info: SEQ-ICV2

Column phase: ZB-5msi

Instrument: nt17.i

Operator: JGR

Column diameter: 0.25



ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172303S.D
Lab Smp Id: SEQ-ICV2
Inj Date : 17-AUG-2023 20:49
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-ICV2
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Meth Date : 19-Aug-2023 11:00 JoshuaR Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1	2-Fluorophenol	112	7.285	7.285	(0.766)	248944	1.50000	1.721
	3	Phenol	94	8.878	8.878	(0.933)	234999	1.00000	1.065
	7	1,3-Dichlorobenzene	146	9.451	9.451	(0.993)	155217	1.00000	1.040
*	8	1,4-Dichlorobenzene-d4	152	9.515	9.515	(1.000)	348452	4.00000	
	9	1,4-Dichlorobenzene	146	9.554	9.554	(1.004)	148615	1.00000	1.029
	11	Benzyl alcohol	79	9.784	9.784	(1.028)	165742	1.00000	1.086
	12	1,2-Dichlorobenzene	146	9.911	9.911	(1.042)	146440	1.00000	1.046
	13	2-Methylphenol	108	9.988	9.988	(1.050)	146378	1.00000	1.095
	15	4-Methylphenol	108	10.256	10.256	(1.078)	156912	1.00000	1.123
	16	N-Nitroso-di-n-propylamine	70	10.333	10.333	(1.086)	166131	1.00000	1.162
	22	2,4-Dimethylphenol	107	11.304	11.304	(0.942)	285915	2.00000	2.029
	24	Benzoic acid	105	11.431	11.431	(0.952)	361540	4.00000	3.863
	26	1,2,4-Trichlorobenzene	180	11.916	11.916	(0.993)	100032	1.00000	1.039
*	27	Naphthalene-d8	136	12.005	12.005	(1.000)	1404170	4.00000	
	30	Hexachlorobutadiene	225	12.388	12.388	(1.032)	46849	1.00000	1.039
	39	Dimethylphthalate	163	15.091	15.091	(0.967)	229180	1.00000	1.139
*	42	Acenaphthene-d10	162	15.614	15.614	(1.000)	619161	4.00000	
	50	Diethylphthalate	149	16.545	16.545	(1.060)	250681	1.00000	1.198
	54	N-Nitrosodiphenylamine	169	16.939	16.939	(0.908)	162149	1.00000	1.136
	57	Hexachlorobenzene	284	18.021	18.021	(0.966)	47705	1.00000	1.020
	58	Pentachlorophenol	266	18.366	18.366	(0.985)	42072	2.00000	1.326
*	59	Phenanthrene-d10	188	18.646	18.646	(1.000)	992768	4.00000	
$	66	Terphenyl-d14	244	21.720	21.720	(0.920)	109180	1.00000	1.228
	67	Butylbenzylphthalate	149	22.625	22.625	(0.958)	172968	1.00000	1.015
*	69	Chrysene-d12	240	23.620	23.620	(1.000)	642334	4.00000	
*	77	Perylene-d12	264	26.414	26.414	(1.000)	573362	4.00000	
	79	Dibenzo(a,h)anthracene	278	29.352	29.352	(1.111)	159892	1.00000	0.9441
	90	N-Nitrosodimethylamine	74	5.196	5.196	(0.546)	323999	2.00000	2.201

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708172303S.D
Lab Smp Id: SEQ-ICV2
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Misc Info:

Calibration Date: 17-AUG-2023
Calibration Time: 20:49
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	348452	174226	696904	348452	0.00
27 Naphthalene-d8	1404170	702085	2808340	1404170	0.00
42 Acenaphthene-d10	619161	309581	1238322	619161	0.00
59 Phenanthrene-d10	992768	496384	1985536	992768	0.00
69 Chrysene-d12	642334	321167	1284668	642334	0.00
77 Perylene-d12	573362	286681	1146724	573362	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.52	9.02	10.02	9.52	0.00
27 Naphthalene-d8	12.01	11.51	12.51	12.01	0.00
42 Acenaphthene-d10	15.61	15.11	16.11	15.61	0.00
59 Phenanthrene-d10	18.65	18.15	19.15	18.65	0.00
69 Chrysene-d12	23.62	23.12	24.12	23.62	0.00
77 Perylene-d12	26.41	25.91	26.91	26.41	0.00

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

REVIEW SUMMARY FOR FILE - NT1708172303S.D

Lab ID: SEQ-ICV2
nt17.i, 20230817.b\SIM.b\SIMABN2.m,   17-AUG-2023 20:49

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

No RRT check. Ccal file.

On Column LOD for nt17.i, SIM.b\SIMABN2.m, PSDDA.sub = 0.0000

Exception: 1,2,4-Trichlorobenzene 0.0010

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

Q-FLAG SUMMARY FOR DATABATCH - \\target\share\chem3\nt17.i\20230817.b\SIM.b

Instrument: nt17.i Date: 17-AUG-2023 Method: SIM.b\SIMABN2.m

INITIAL CAL: 10-JUL-2023

Compound	%RSD or R^2
NO Q-FLAGS	

ICV CAL: NT1708172303S.D 17-AUG-2023 20:49

Compound	%D
Pentachlorophenol	-33.7
Terphenyl-d14	22.8

Analytical Resources, LLC
Analytical Chemists and Consultants

SECOND-SOURCE
CONTINUING CALIBRATION CHECK
EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Instrument ID:	NT17	Calibration:	GH00045
Lab File ID:	NT1708102312S.D	Calibration Date:	08/10/2023
Sequence:	SLH0217	Injection Date:	08/10/23
Lab Sample ID:	SLH0217-SCV1	Injection Time:	18:45
Sequence Name:	SCV 5.0		

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT	
1,4-Dichlorobenzene	A	5.0000	5.2	1.6574040	1.7132860		3.4	+/-20	
1,2-Dichlorobenzene	A	5.0000	5.2	1.6077360	1.6772410		4.3	+/-20	
Benzyl Alcohol	A	5.0000	6.1	1.7523940	2.1210420		21.0	+/-20	*
Benzoic acid	A	10.000	10.0	0.1715968	0.2733874		-0.4	+/-20	
4-Methylphenol	A	5.0000	5.5	1.6045550	1.7621940		9.8	+/-20	
2,4-Dimethylphenol	A	5.0000	4.5	0.4013400	0.3627748		-9.6	+/-20	
1,2,4-Trichlorobenzene	A	5.0000	5.0	0.2742178	0.2757396		0.6	+/-20	
N-Nitrosodiphenylamine	A	5.0000	5.9	0.5750605	0.6763992		17.6	+/-20	
Pentachlorophenol	A	5.0000	4.8	0.0738457	0.1238703		-3.1	+/-20	
2-Fluorophenol	A	7.5000	0.00	1.6608890					
p-Terphenyl-d14	A	5.0000	0.00	0.5535288					

* Values outside of QC limits

Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT17081023125.D

Date : 10-AUG-2023 18:45

Client ID:

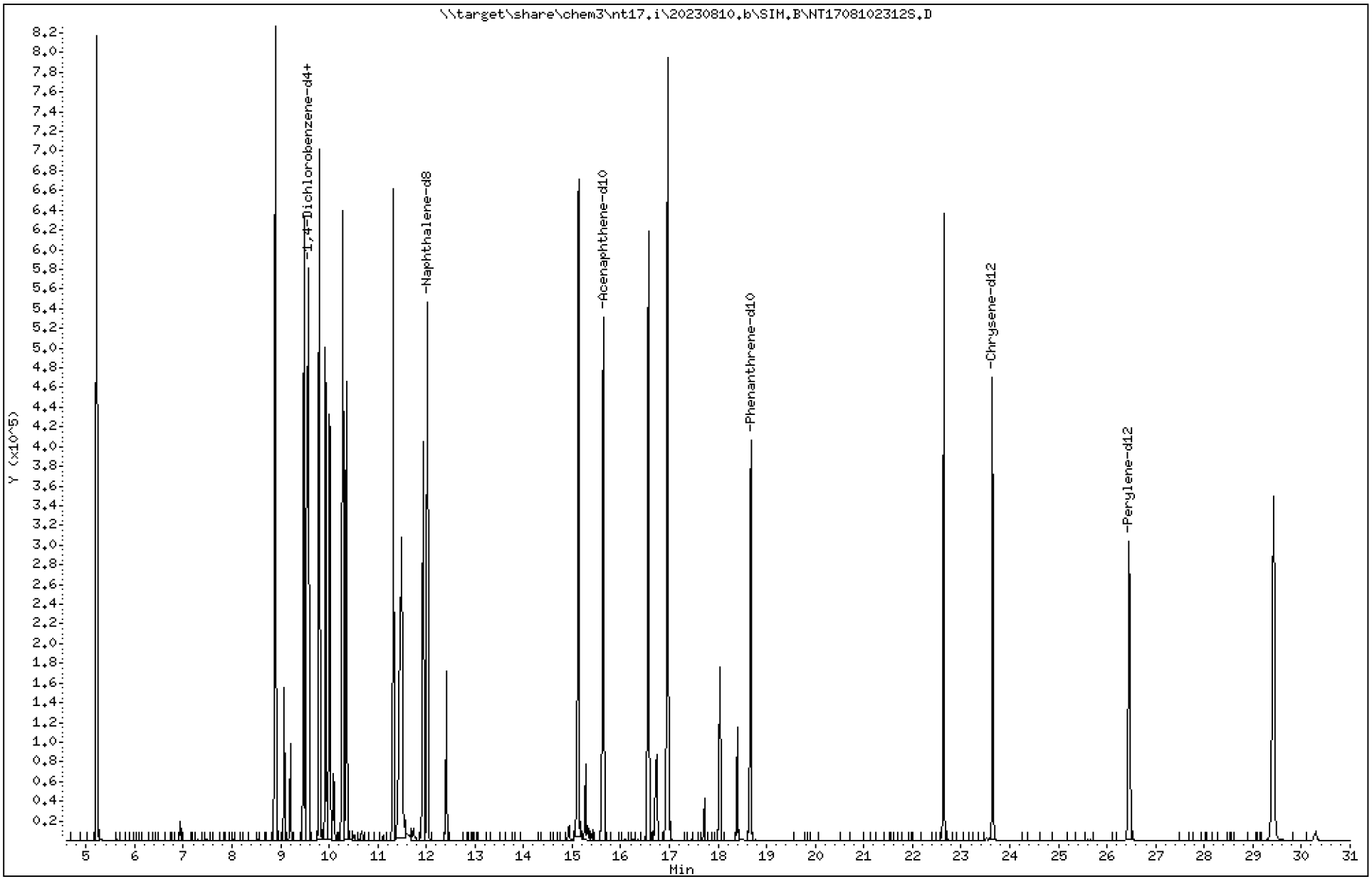
Sample Info: SEQ-SCV1

Column phase: ZB-5msi

Instrument: nt17.i

Operator: JGR

Column diameter: 0.25



Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT17081023125.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

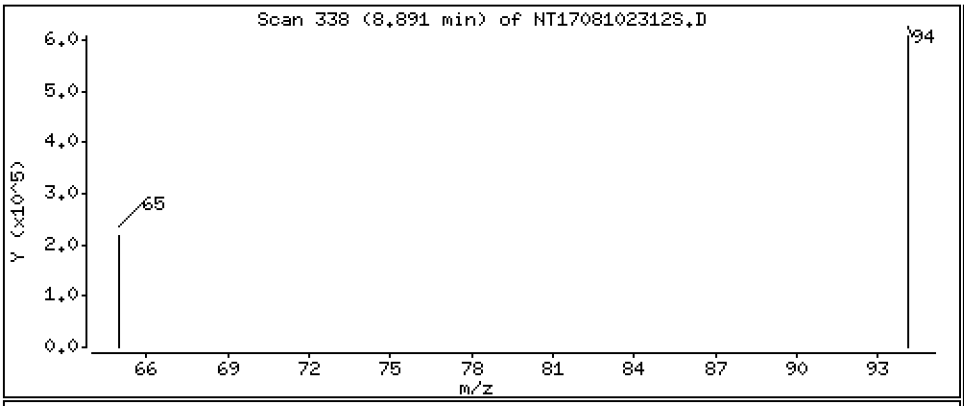
Operator: JGR

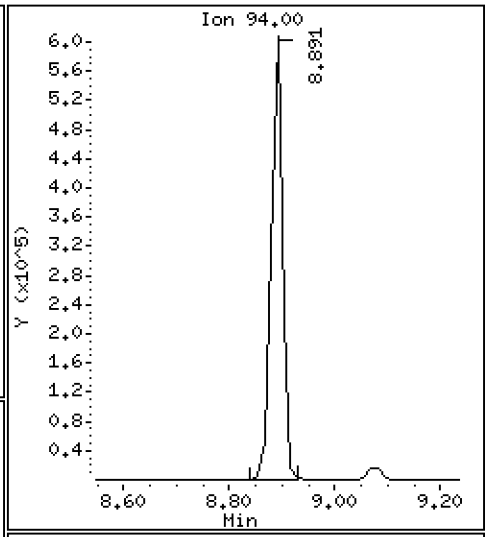
Column phase: ZB-5msi

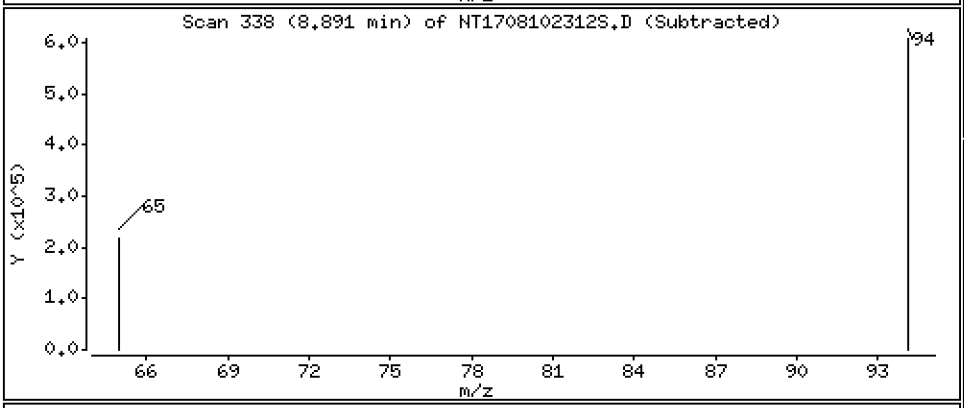
Column diameter: 0.25

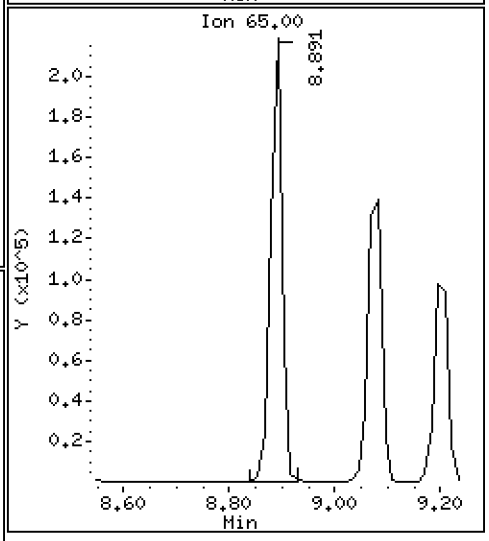
3 Phenol

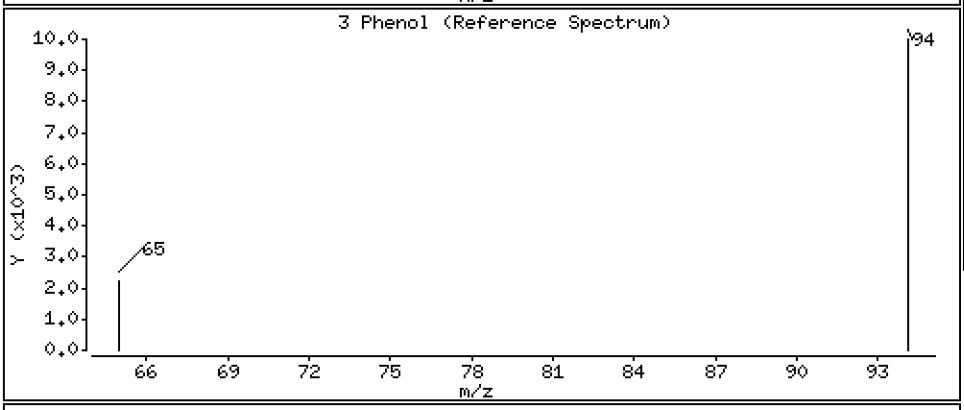
Concentration: 5.502 ug/mL

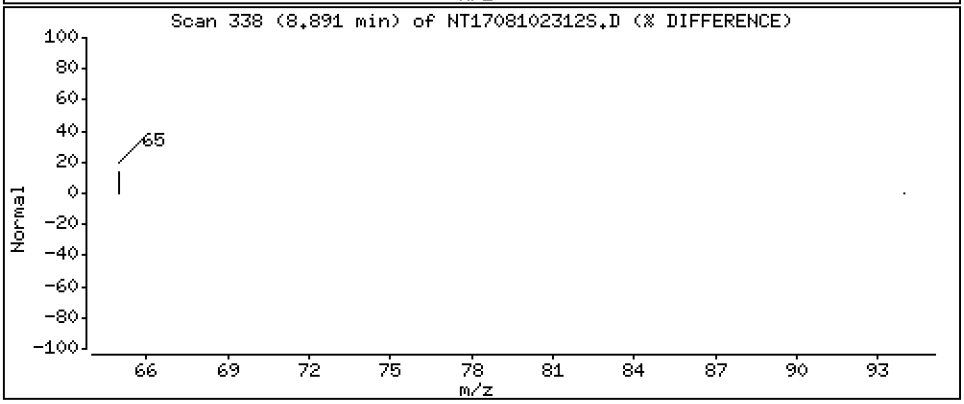












Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT17081023125.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

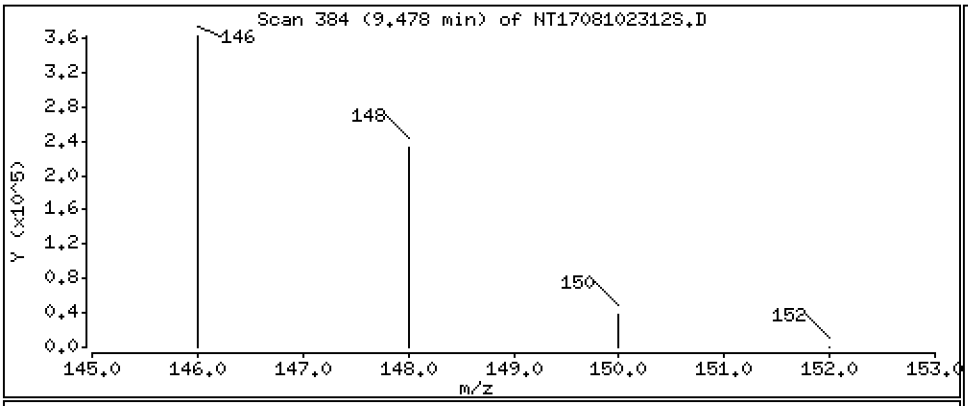
Operator: JGR

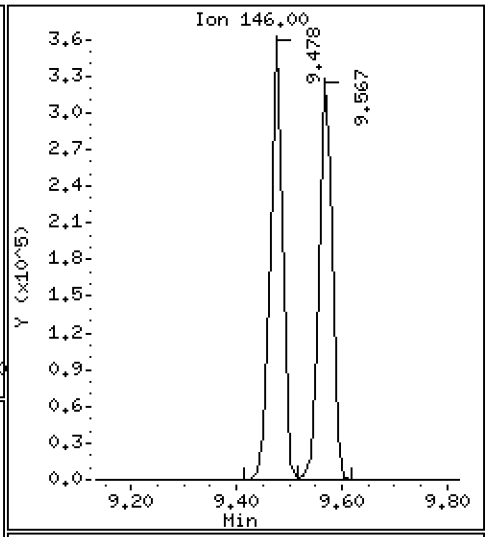
Column phase: ZB-5msi

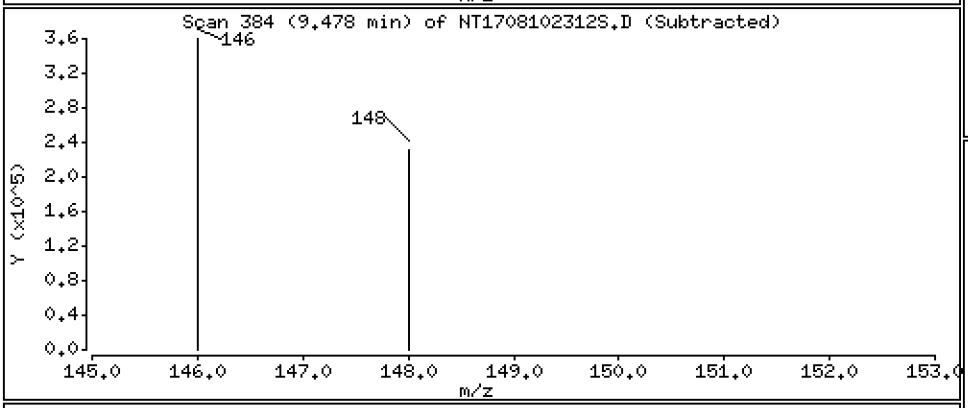
Column diameter: 0.25

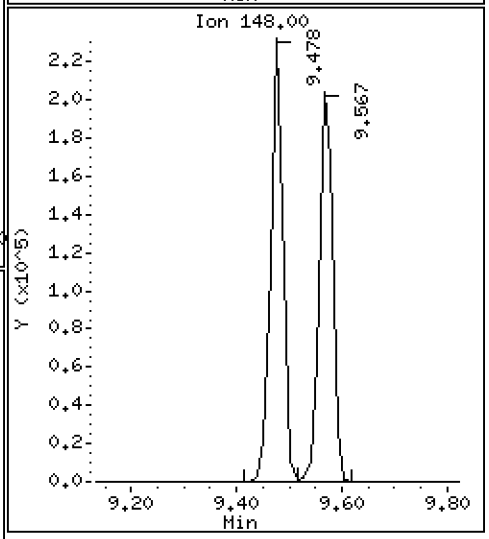
7 1,3-Dichlorobenzene

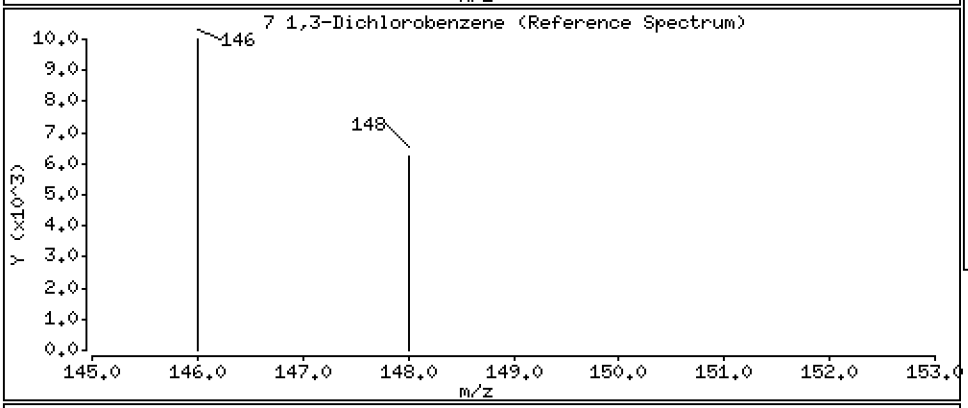
Concentration: 5.156 ug/mL

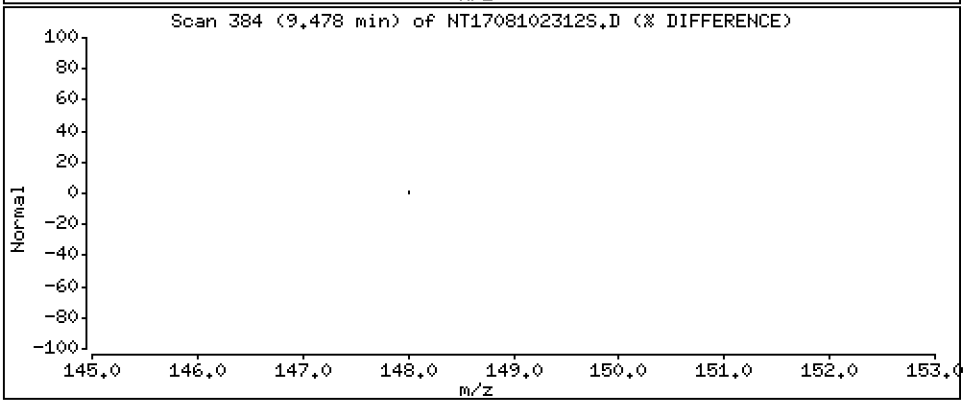












Data File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT17081023125.D

Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

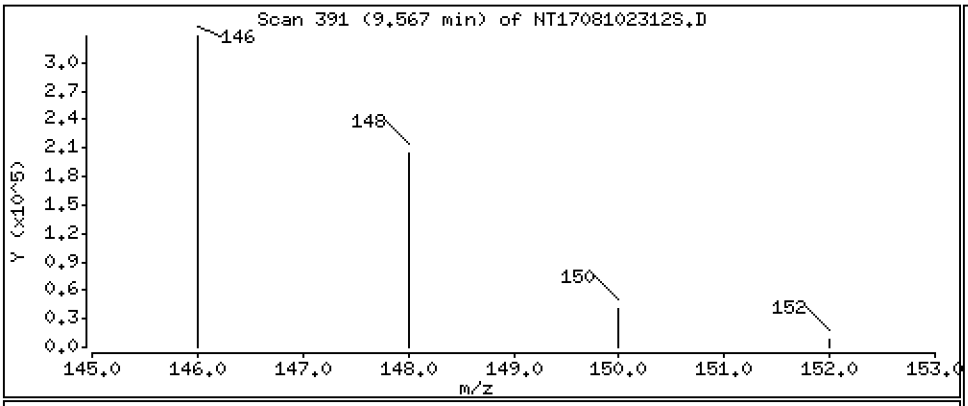
Operator: JGR

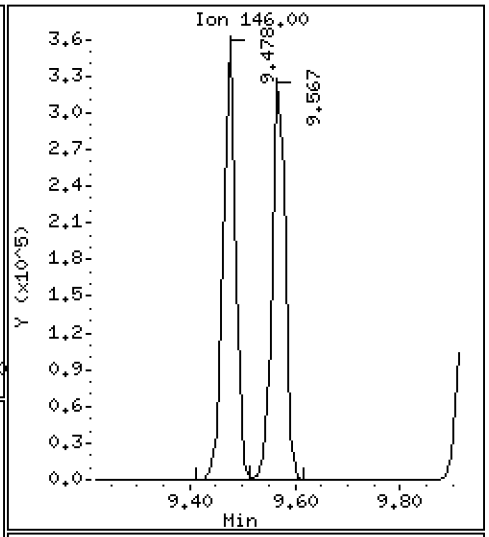
Column phase: ZB-5msi

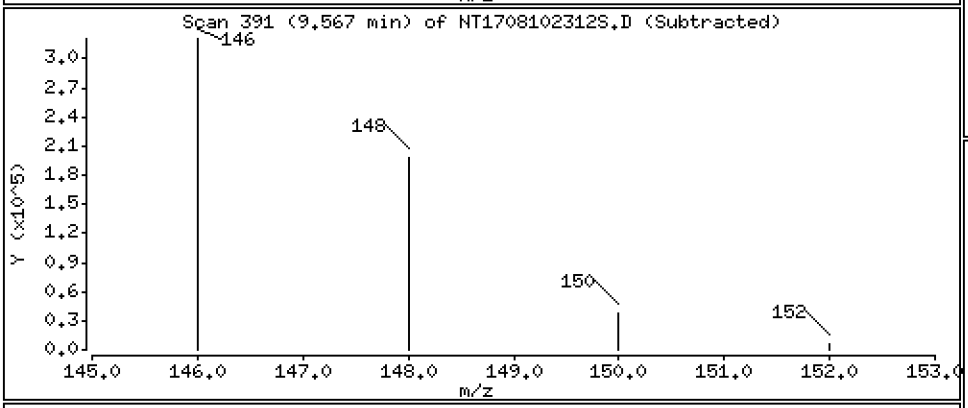
Column diameter: 0.25

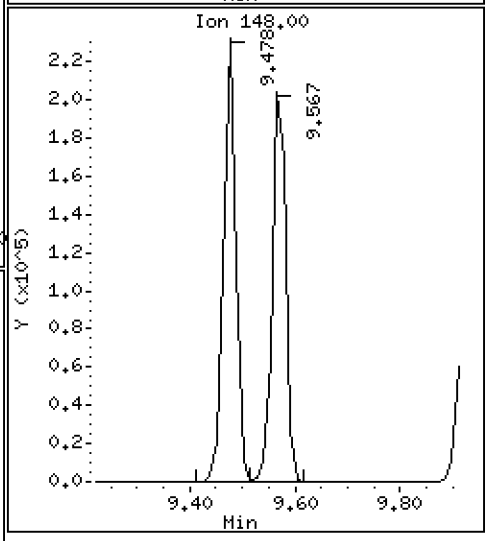
9 1,4-Dichlorobenzene

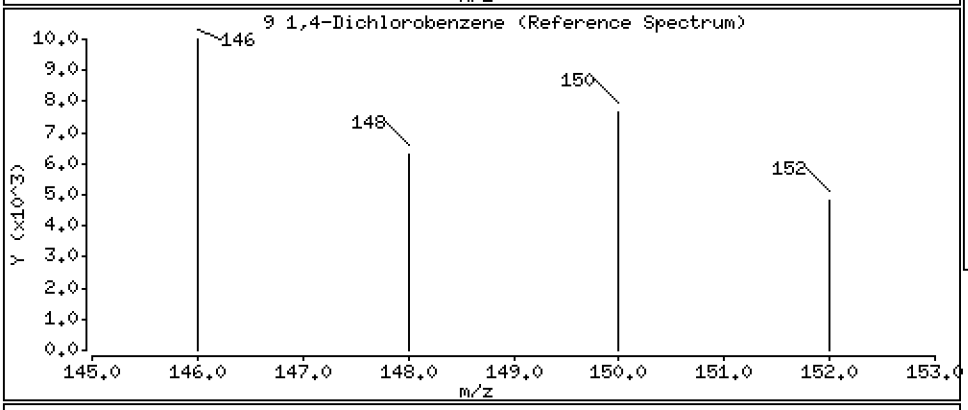
Concentration: 5.169 ug/mL

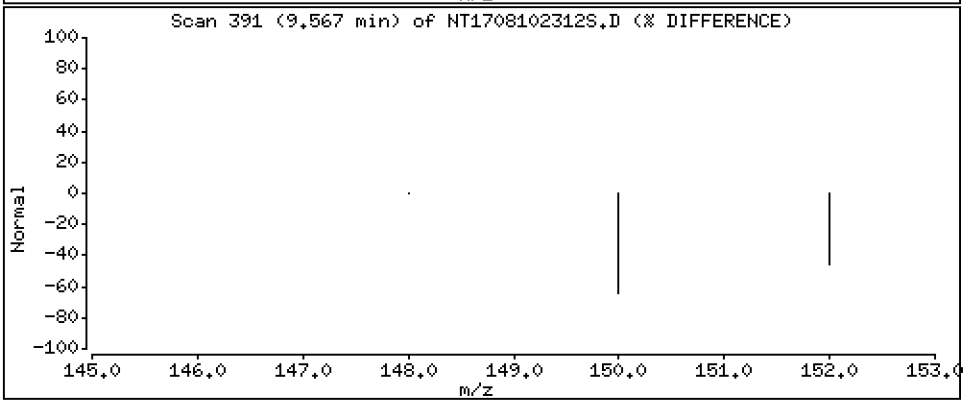












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

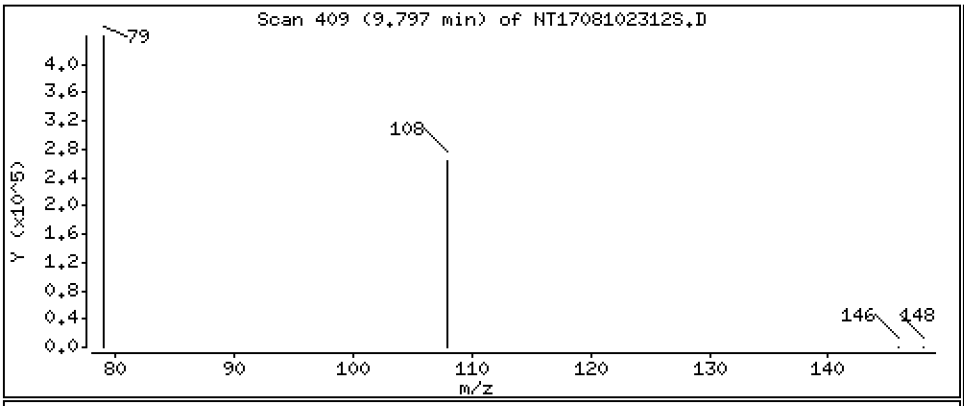
Operator: JGR

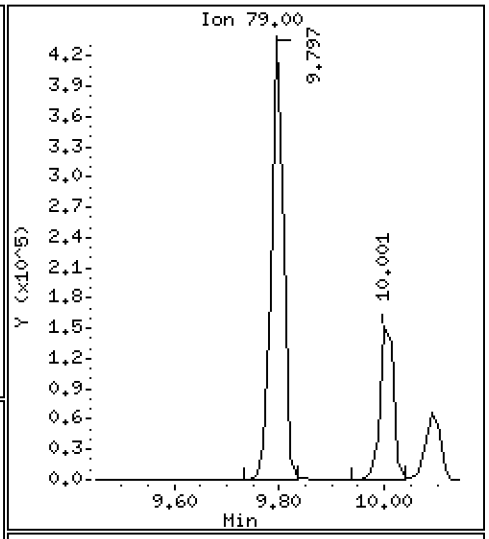
Column phase: ZB-5msi

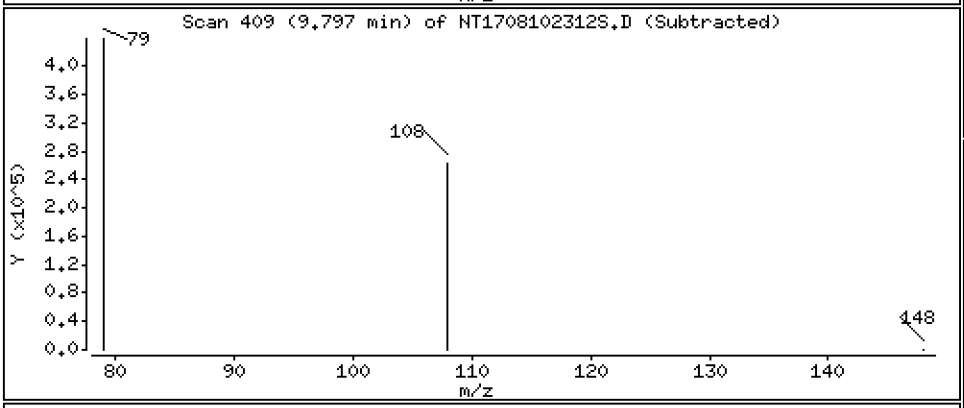
Column diameter: 0.25

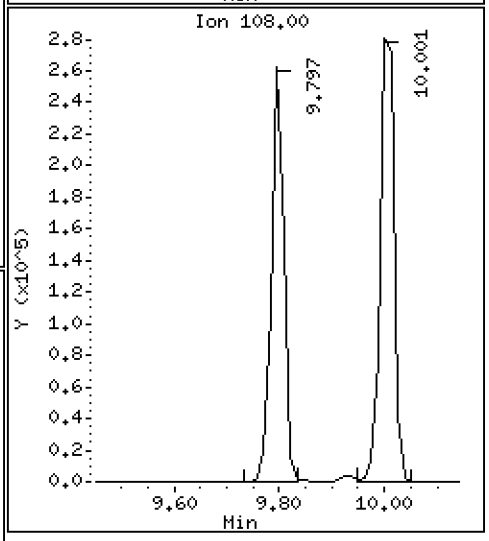
11 Benzyl alcohol

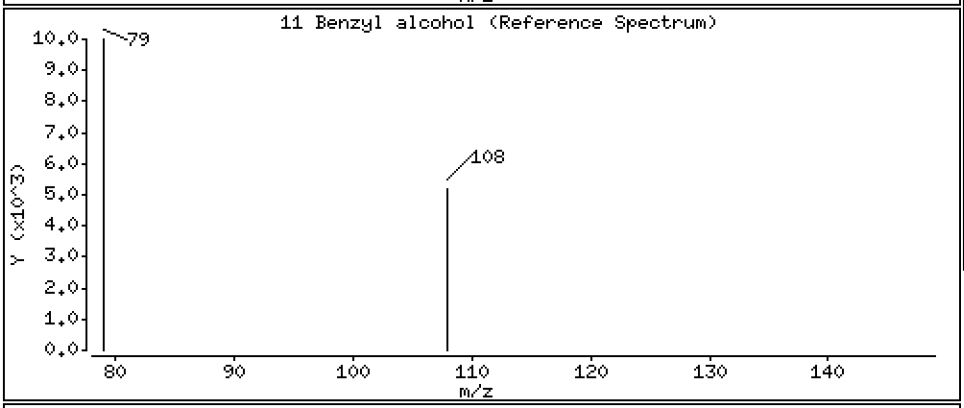
Concentration: 6.052 ug/mL

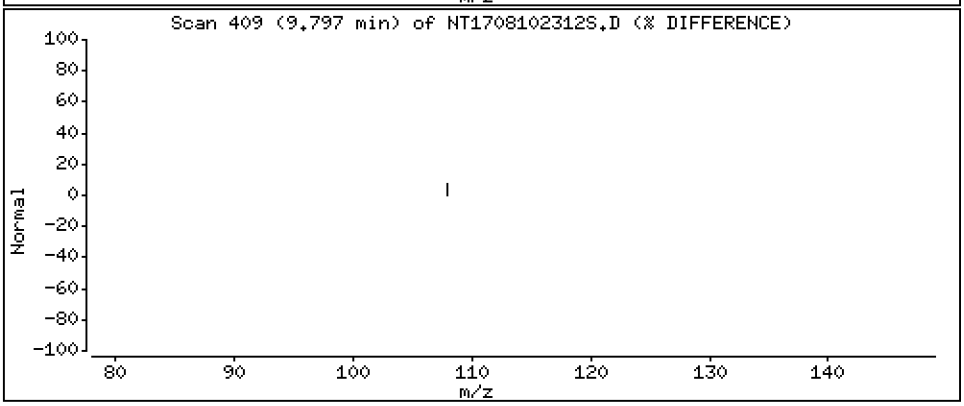












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

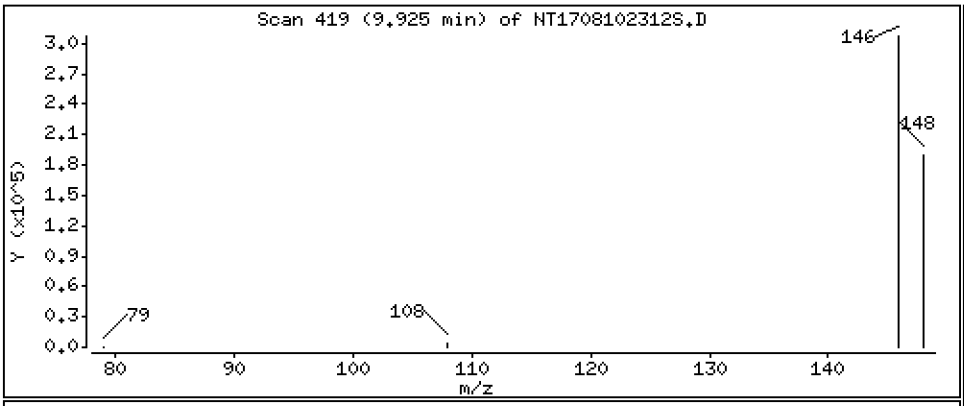
Operator: JGR

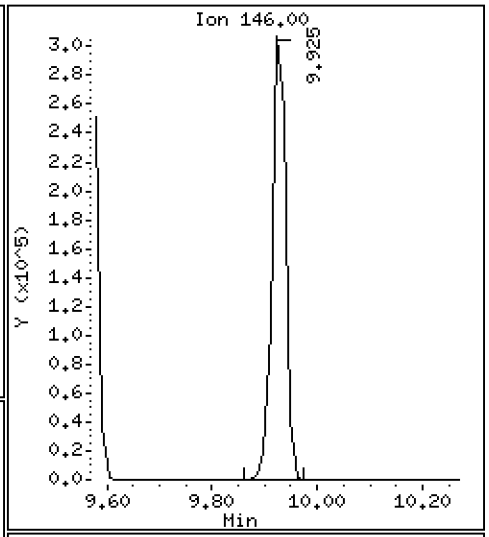
Column phase: ZB-5msi

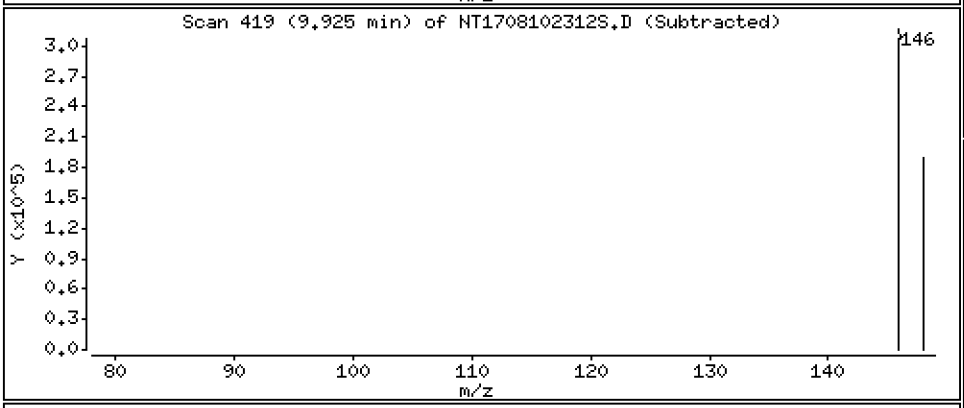
Column diameter: 0.25

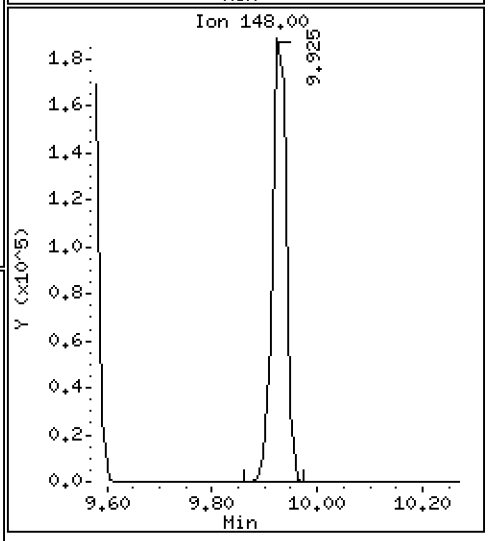
12 1,2-Dichlorobenzene

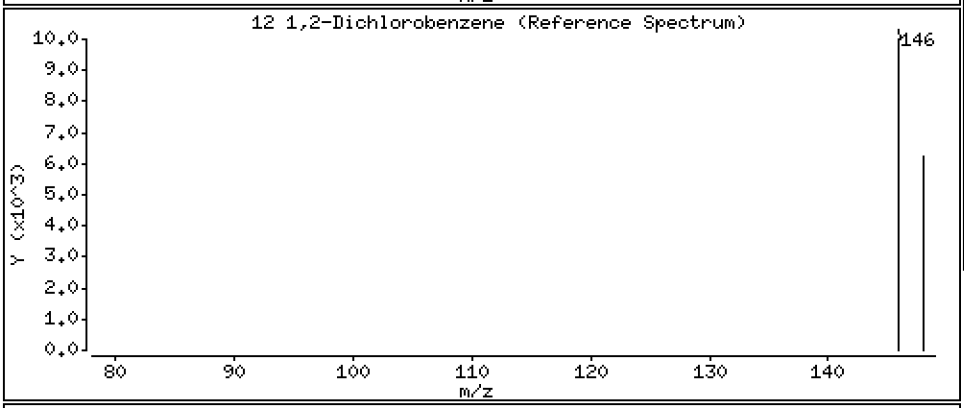
Concentration: 5.216 ug/mL

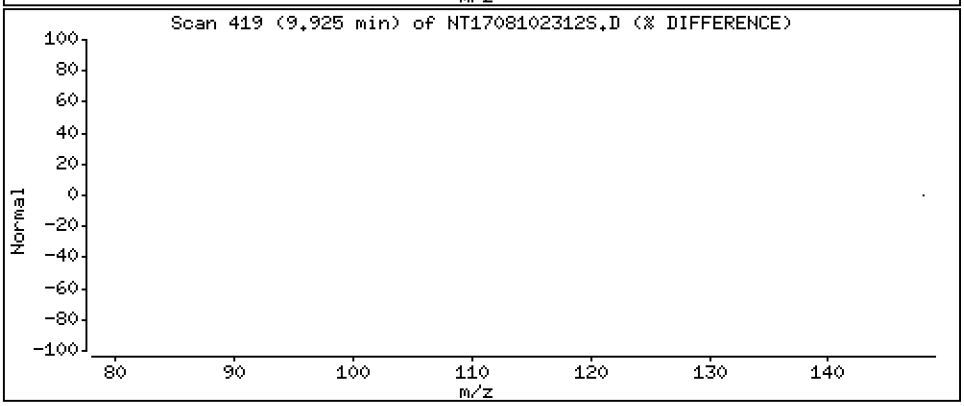












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

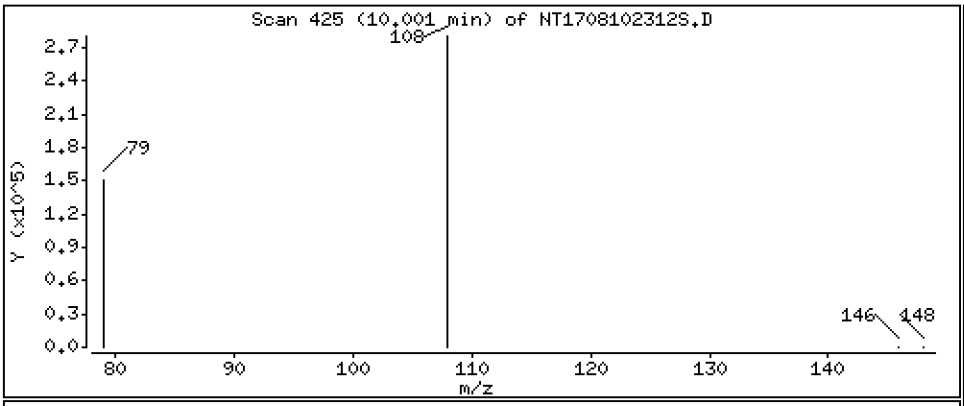
Operator: JGR

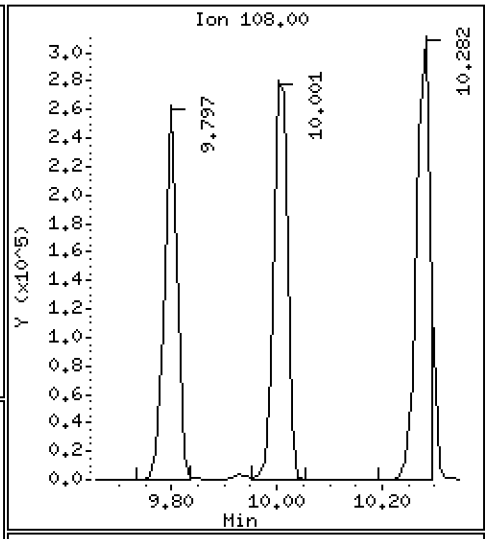
Column phase: ZB-5msi

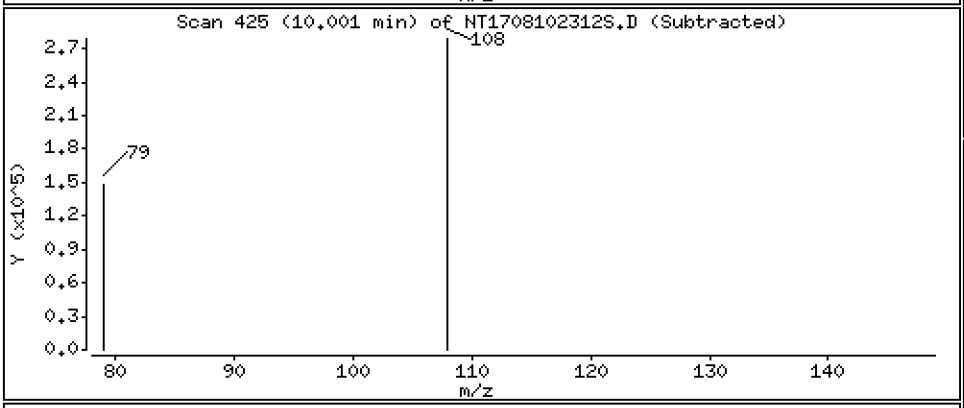
Column diameter: 0.25

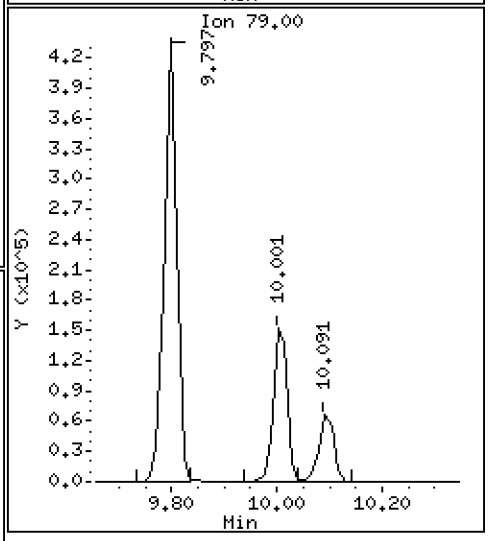
13 2-Methylphenol

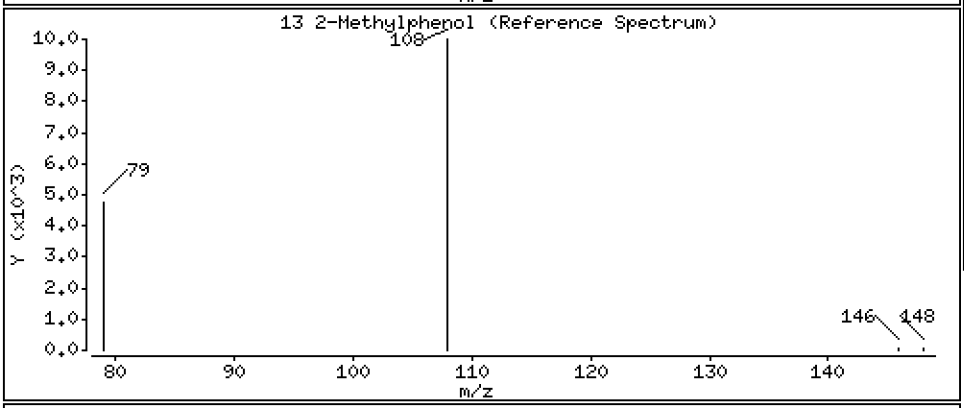
Concentration: 5.112 ug/mL

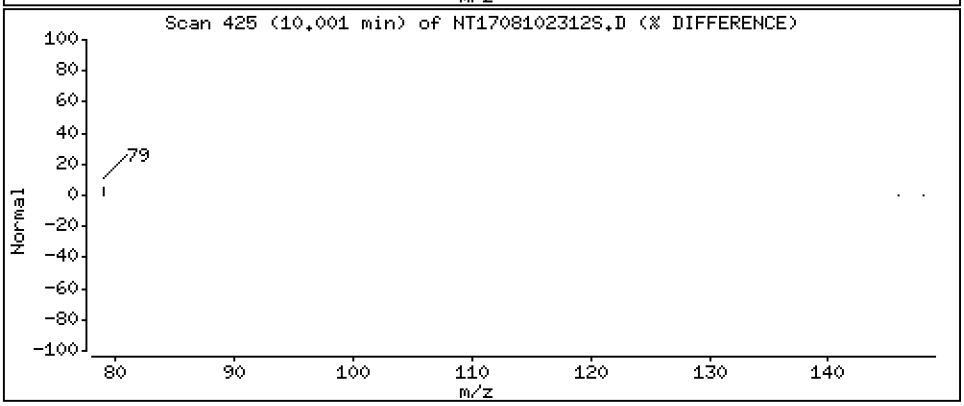












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

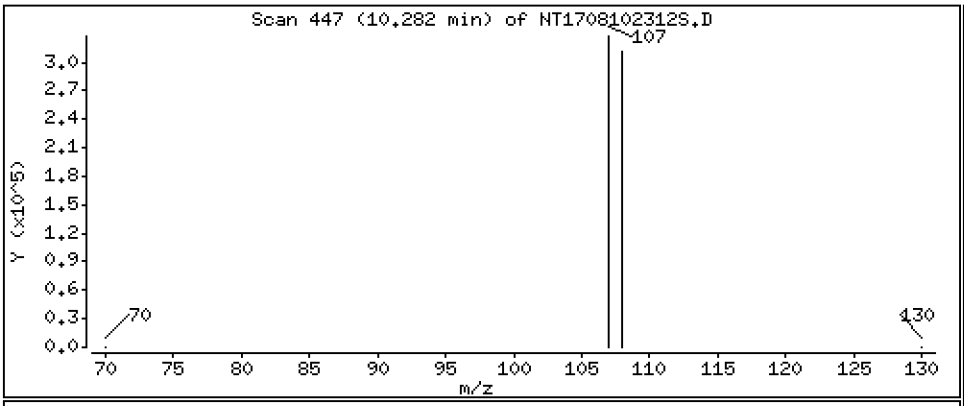
Operator: JGR

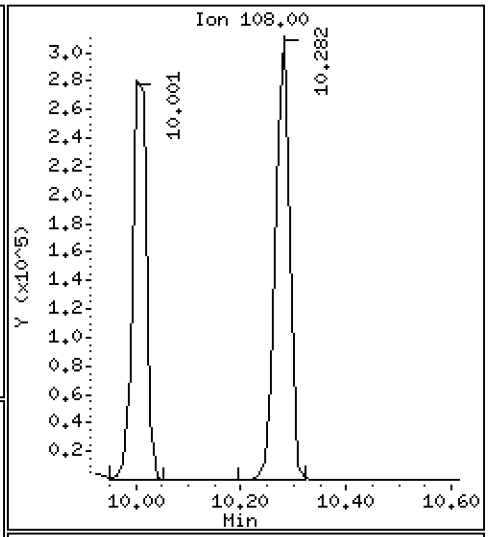
Column phase: ZB-5msi

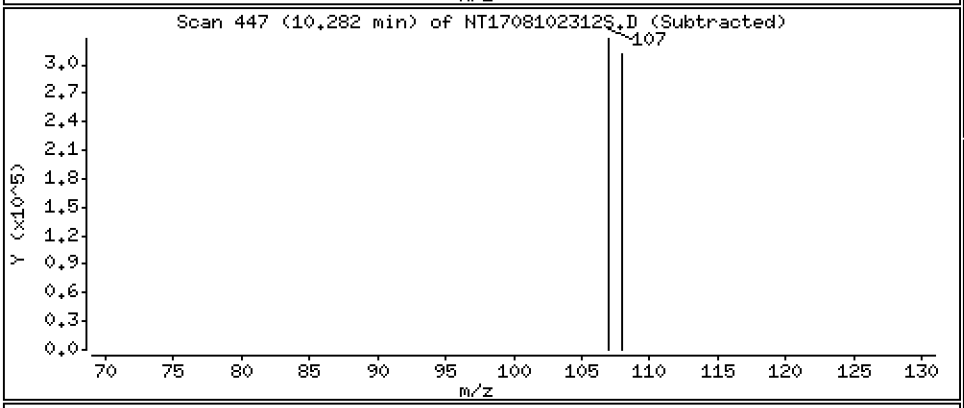
Column diameter: 0.25

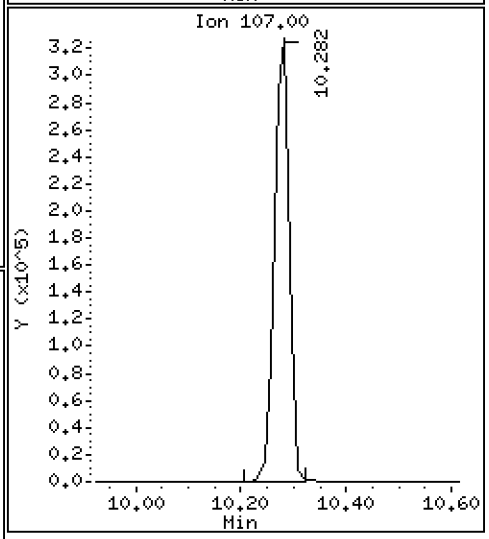
15 4-Methylphenol

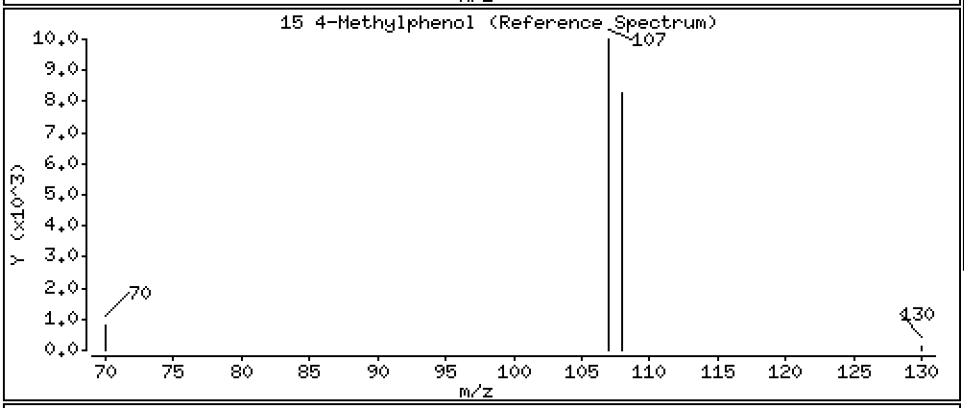
Concentration: 5.491 ug/mL

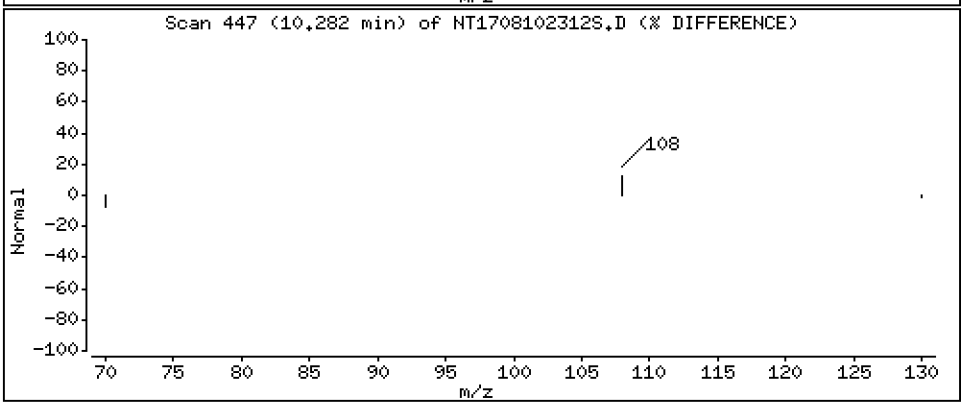












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

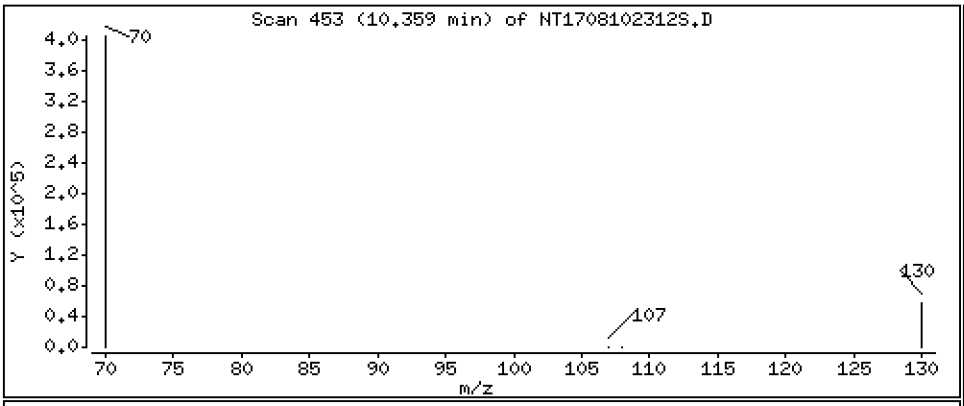
Operator: JGR

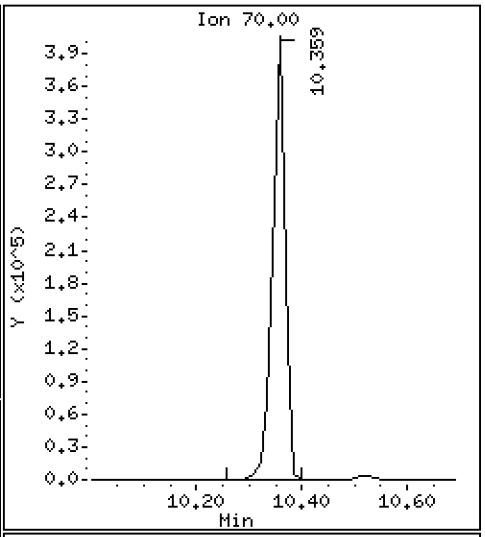
Column phase: ZB-5msi

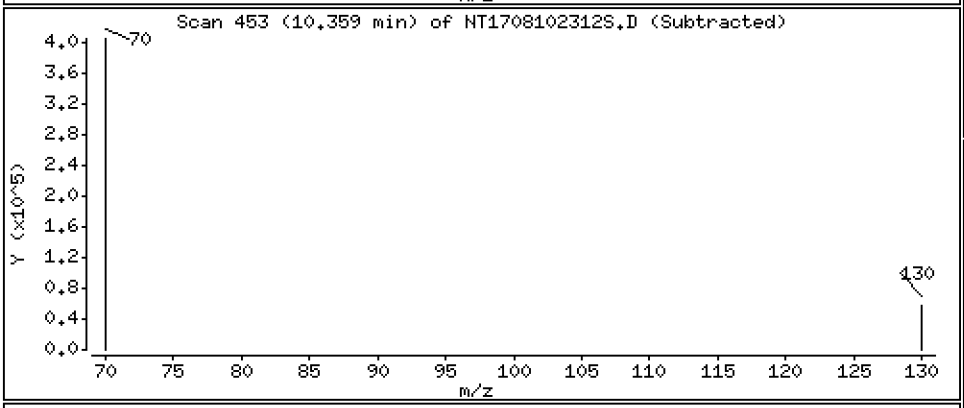
Column diameter: 0.25

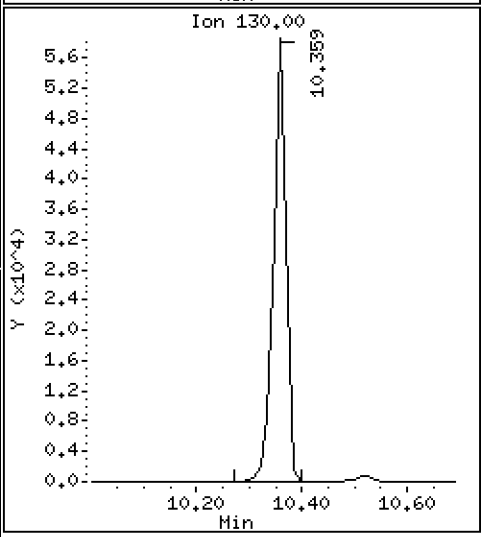
16 N-Nitroso-di-n-propylamine

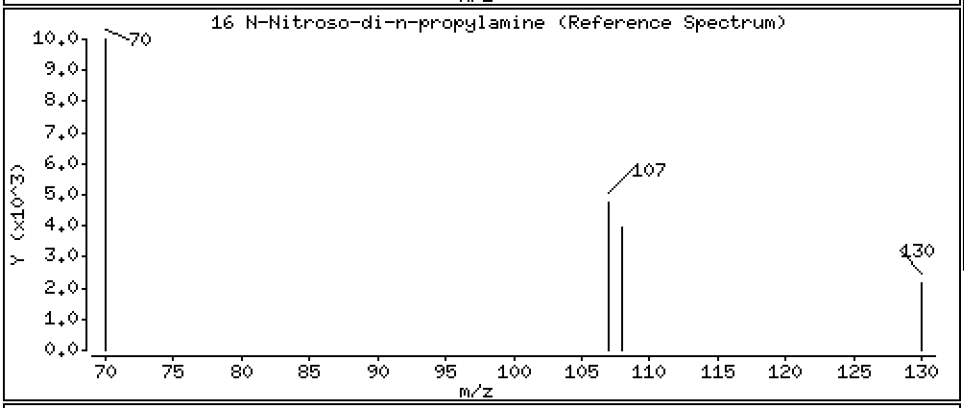
Concentration: 6.171 ug/mL

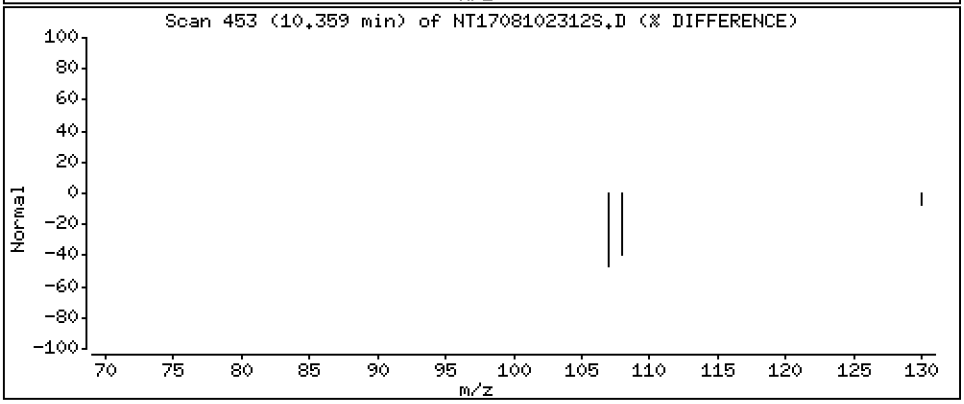












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

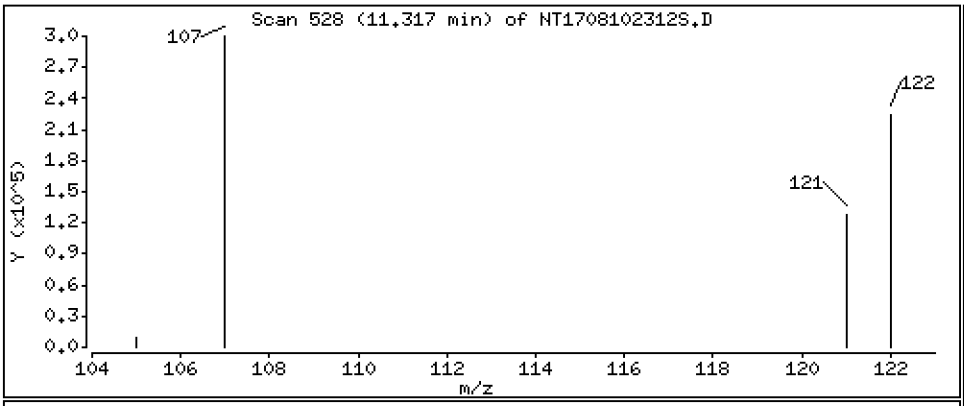
Operator: JGR

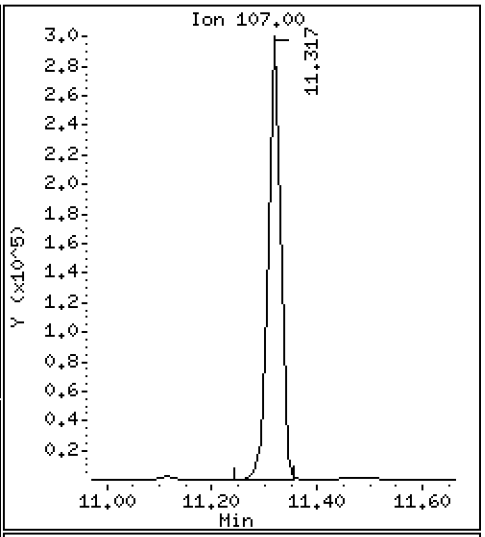
Column phase: ZB-5msi

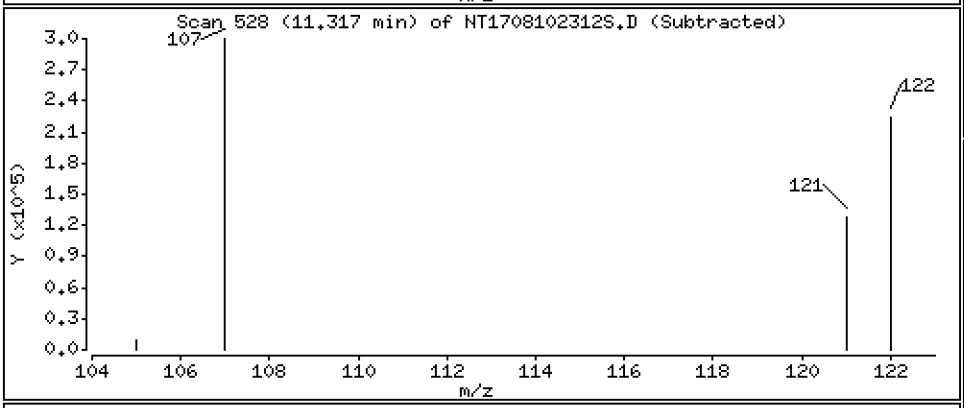
Column diameter: 0.25

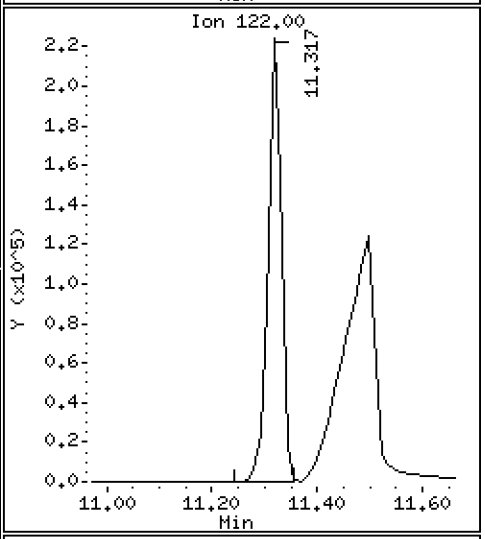
22 2,4-Dimethylphenol

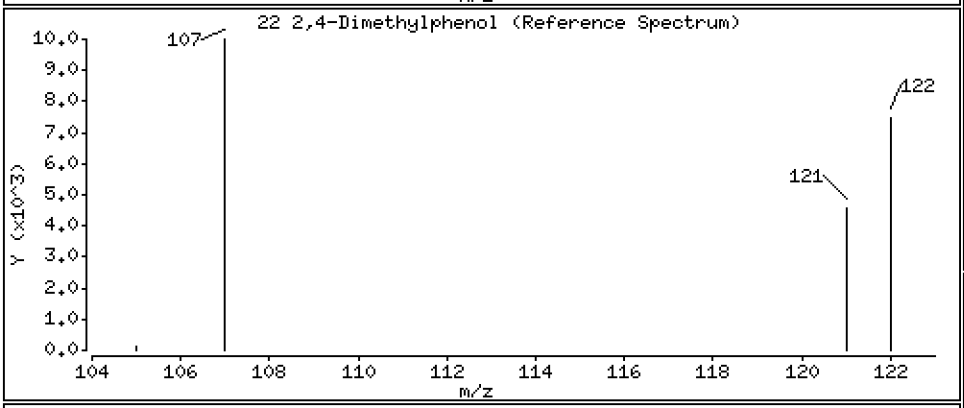
Concentration: 4.520 ug/mL

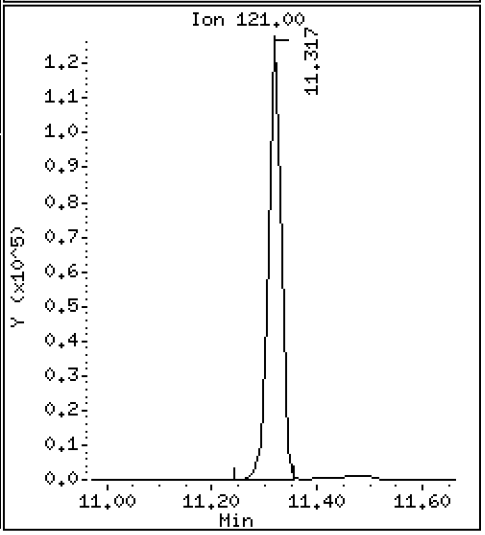


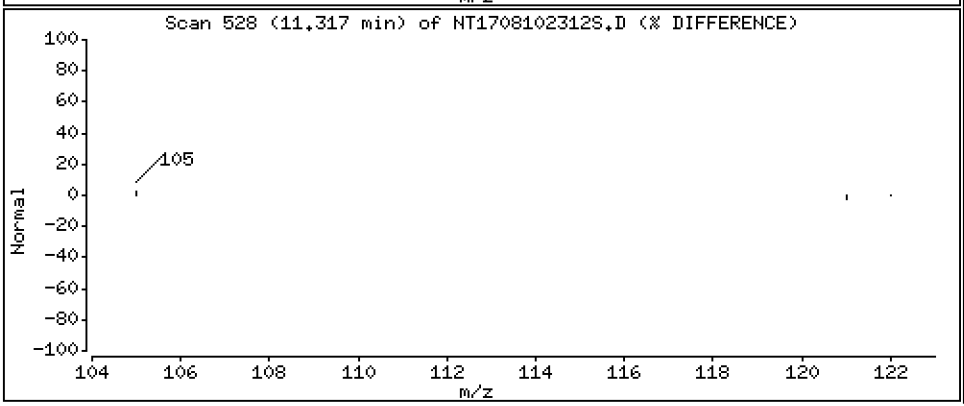












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

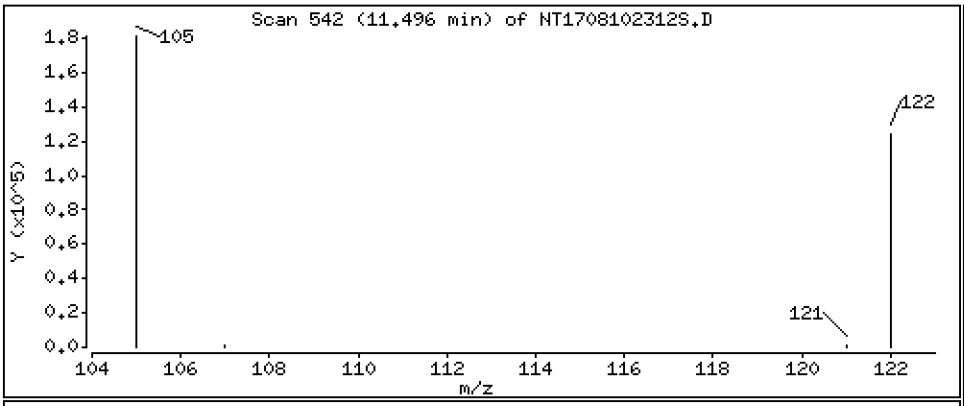
Operator: JGR

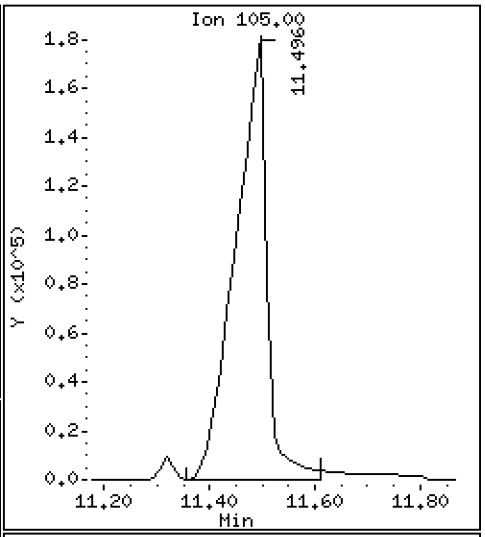
Column phase: ZB-5msi

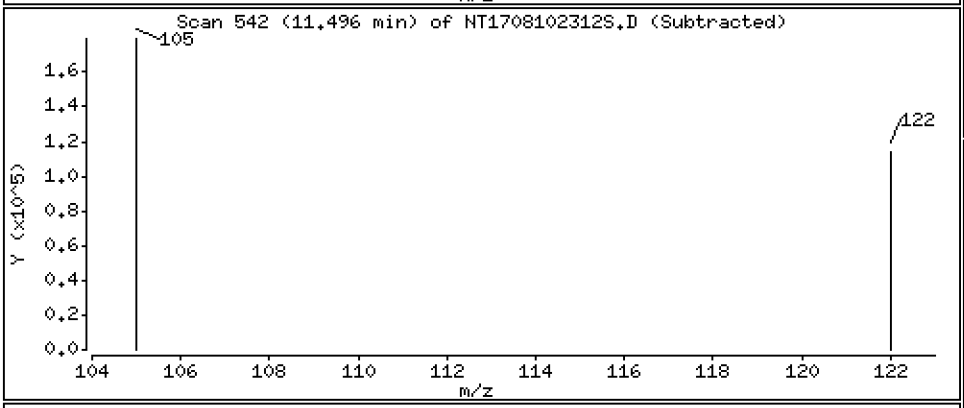
Column diameter: 0.25

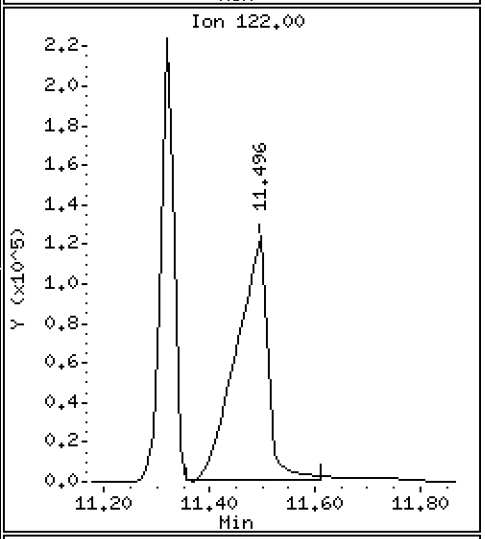
24 Benzoic acid

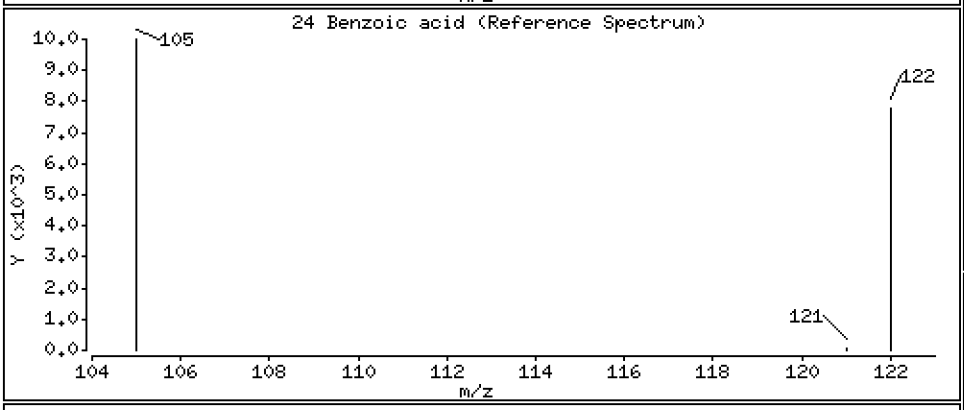
Concentration: 9.959 ug/mL

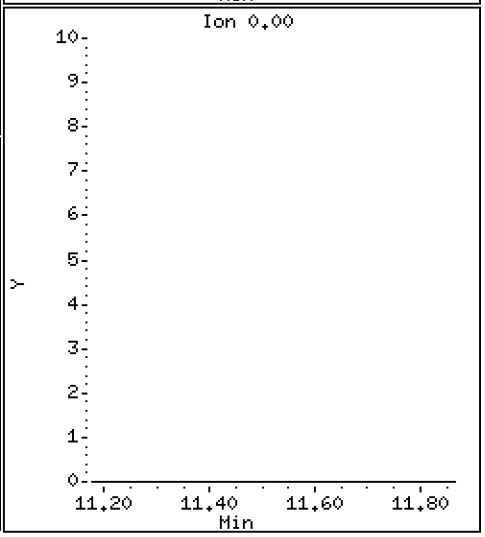


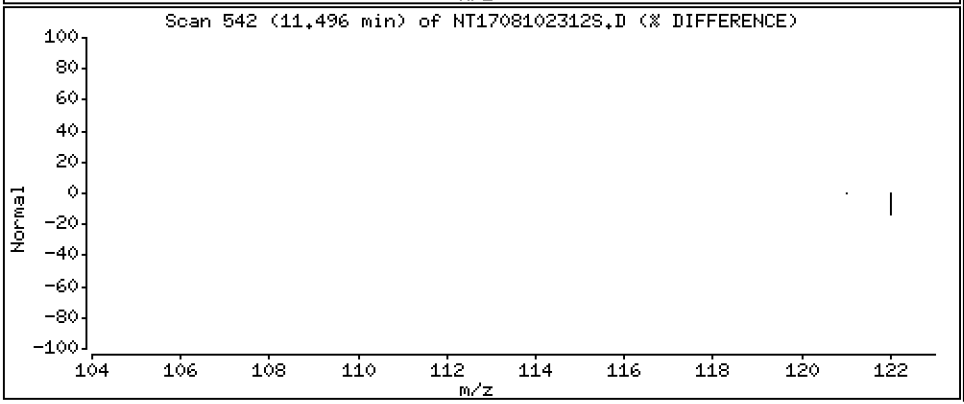












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

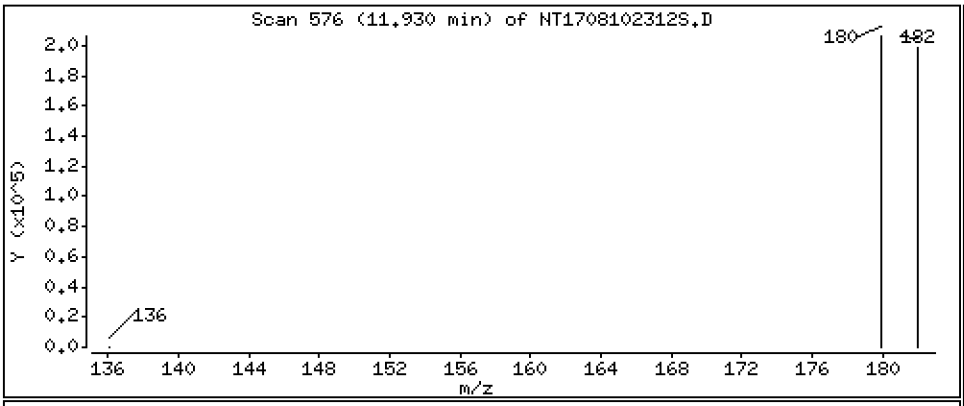
Operator: JGR

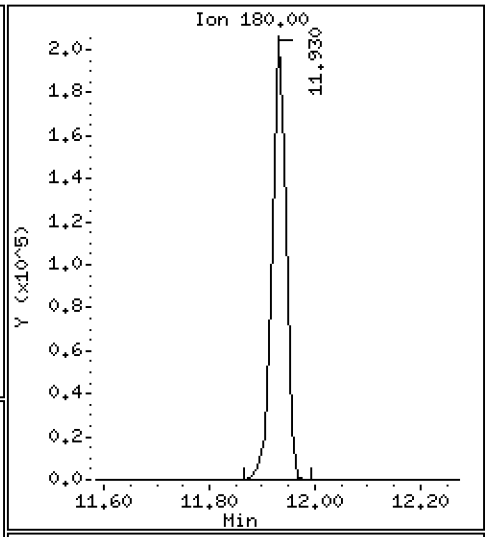
Column phase: ZB-5msi

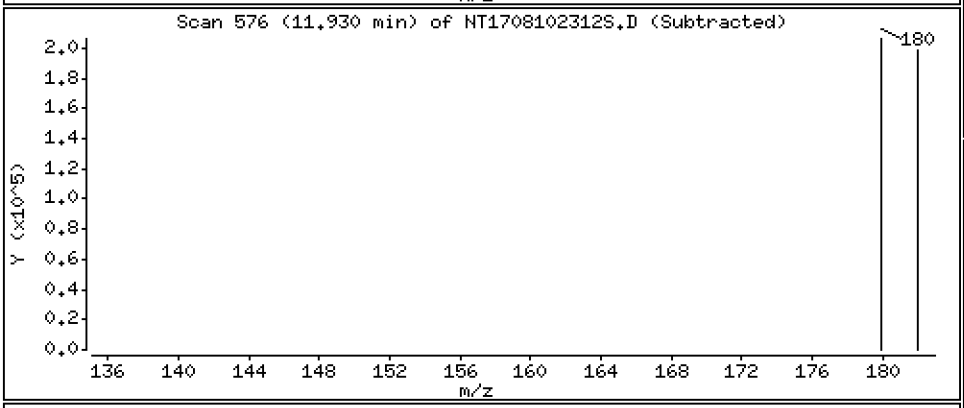
Column diameter: 0.25

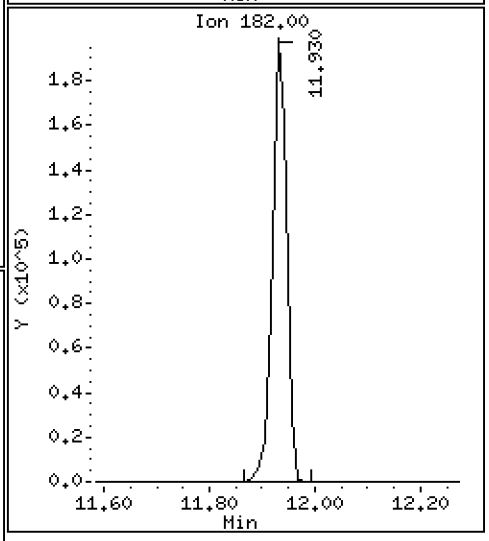
26 1,2,4-Trichlorobenzene

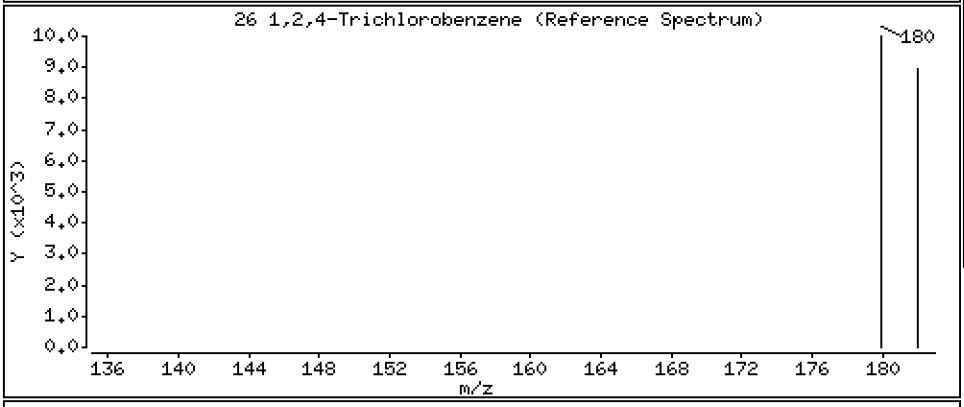
Concentration: 5.028 ug/mL

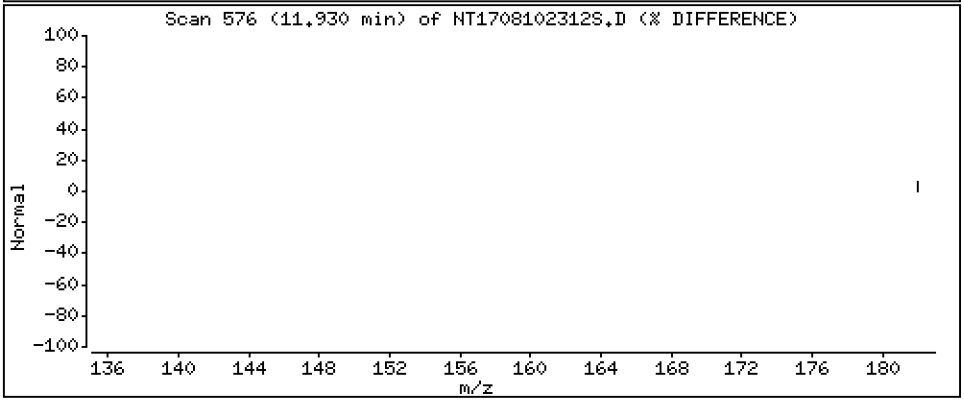












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

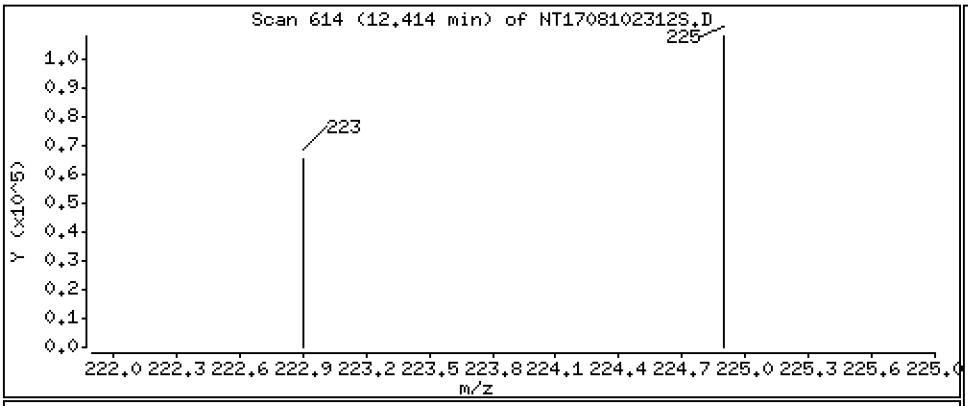
Operator: JGR

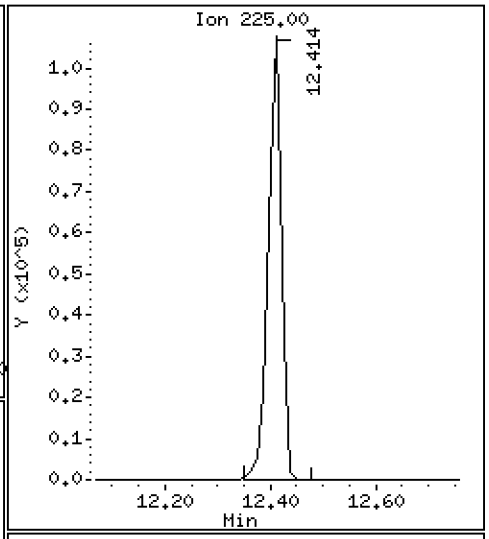
Column phase: ZB-5msi

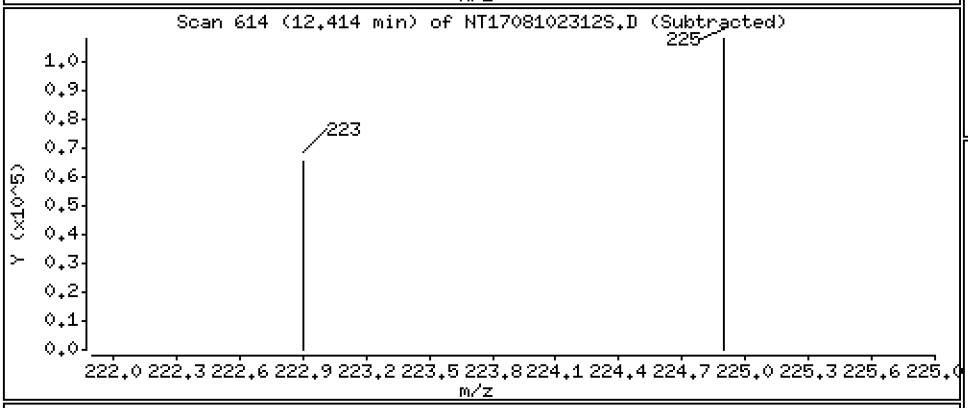
Column diameter: 0.25

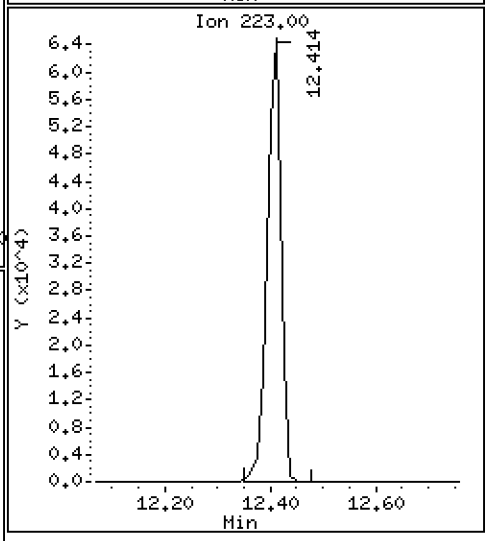
30 Hexachlorobutadiene

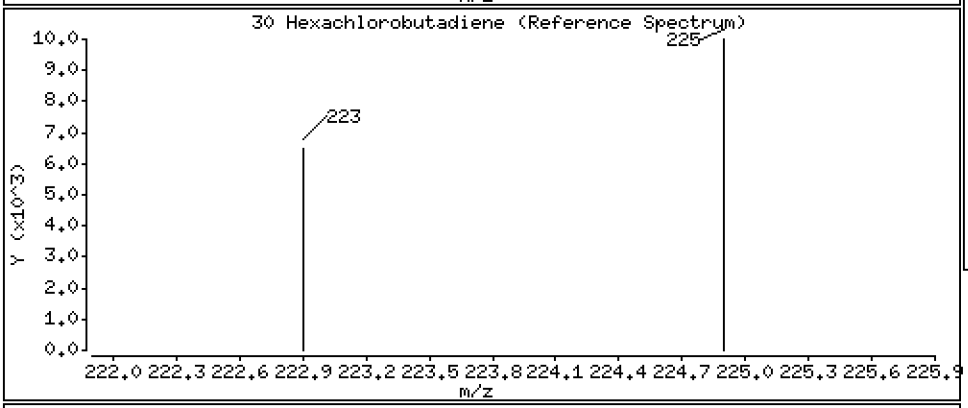
Concentration: 5.378 ug/mL

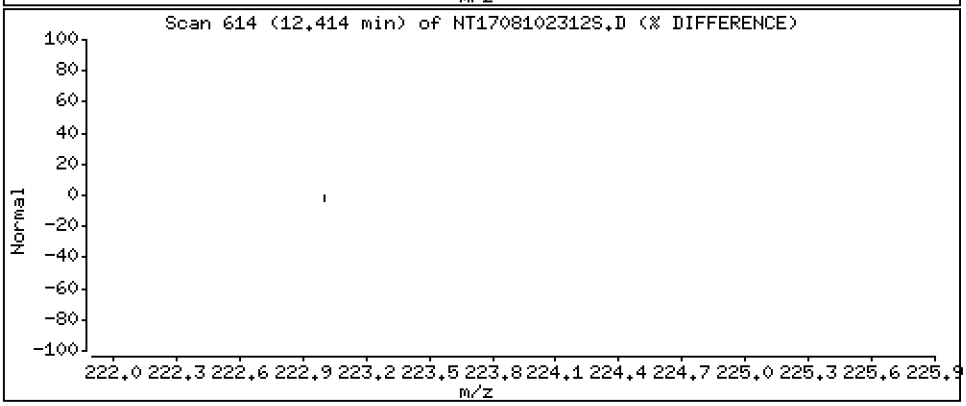












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

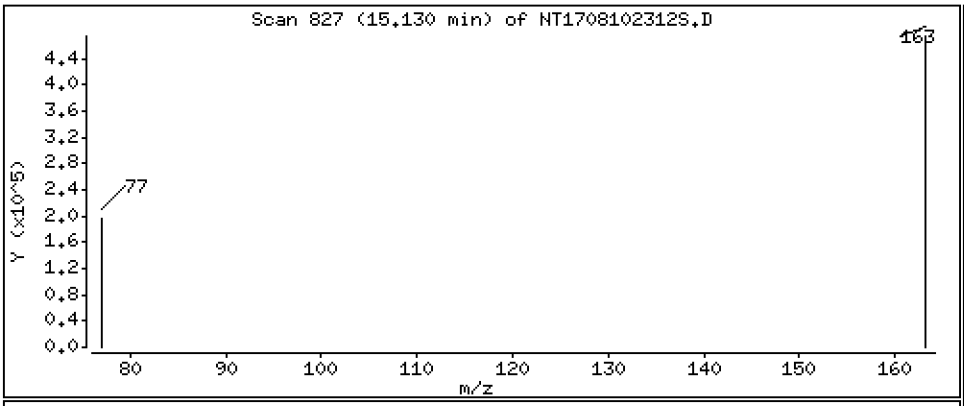
Operator: JGR

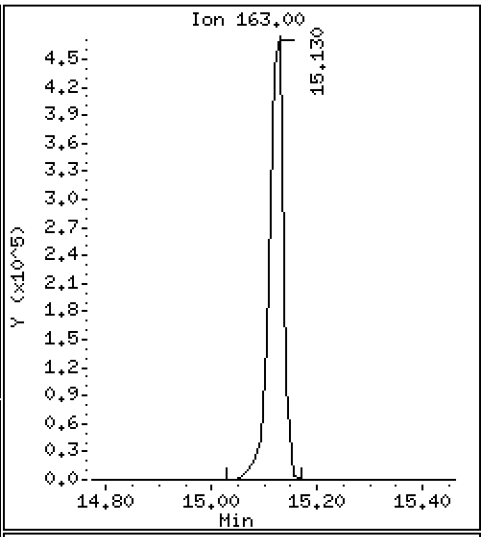
Column phase: ZB-5msi

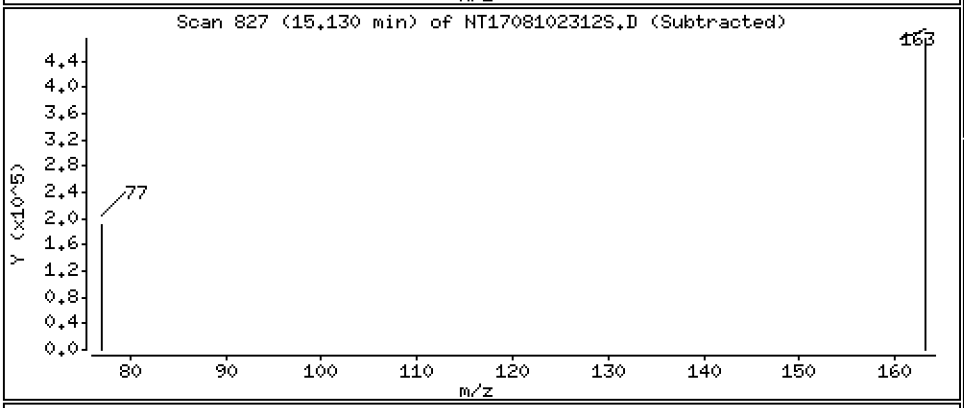
Column diameter: 0.25

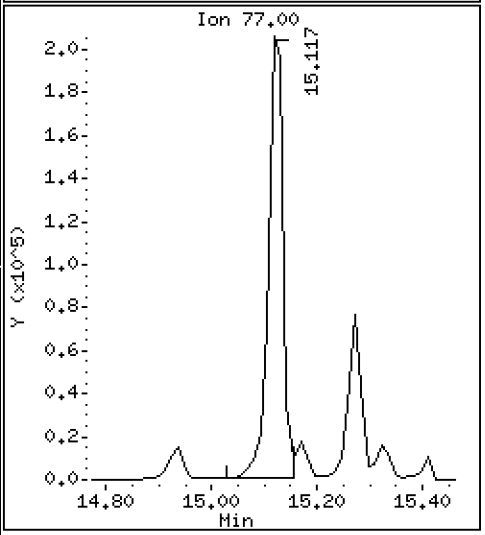
39 Dimethylphthalate

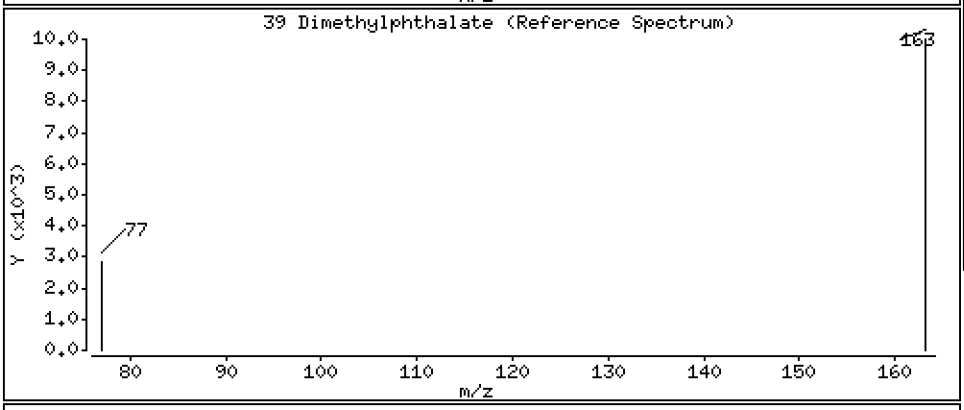
Concentration: 5.868 ug/mL

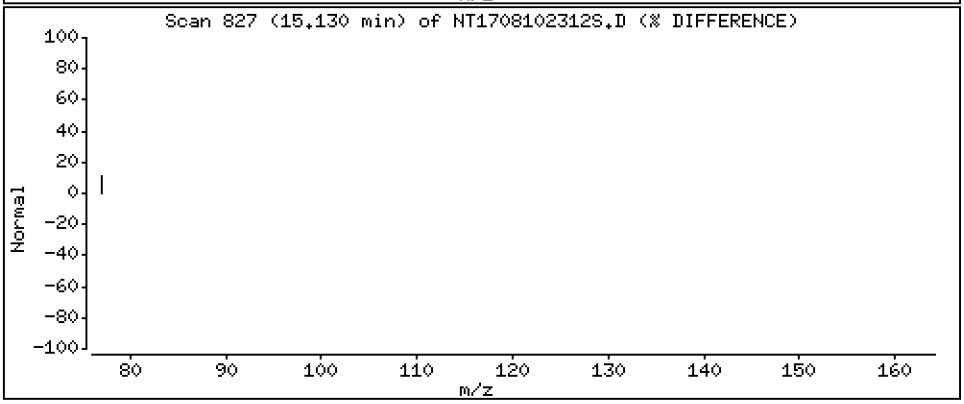












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

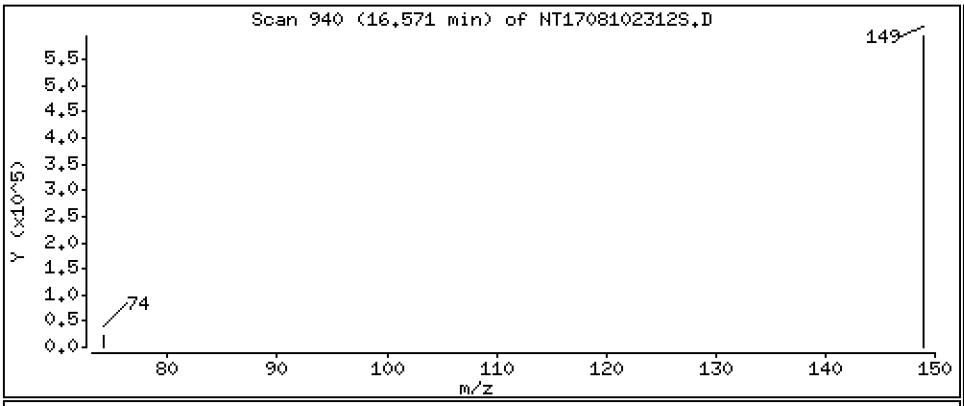
Operator: JGR

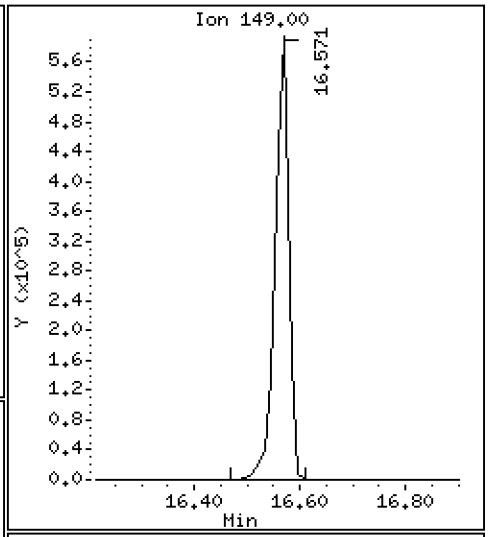
Column phase: ZB-5msi

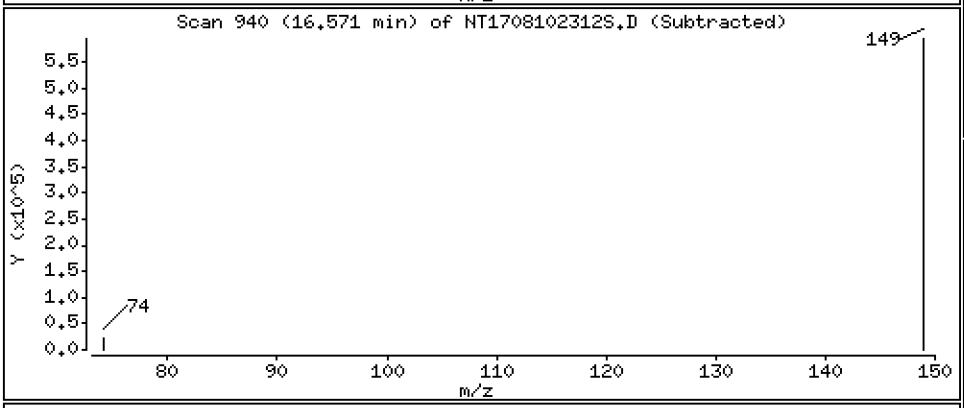
Column diameter: 0.25

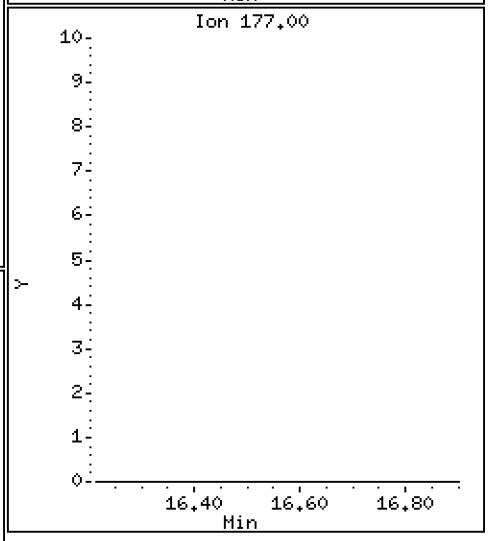
50 Diethylphthalate

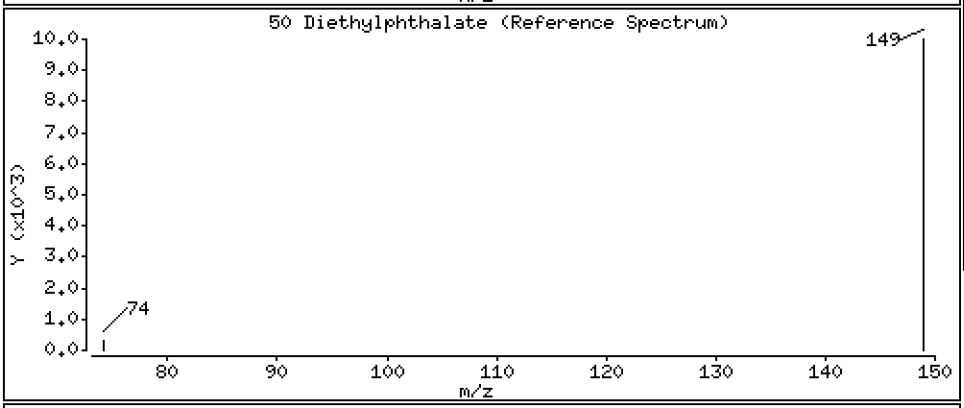
Concentration: 6.387 ug/mL

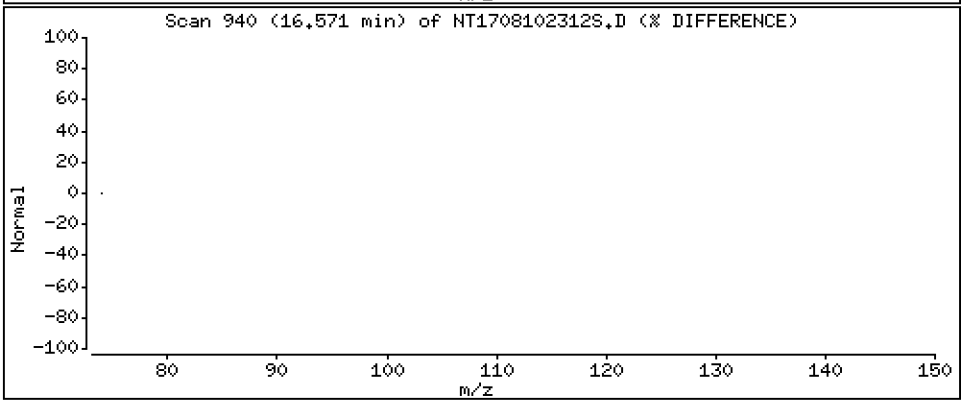












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

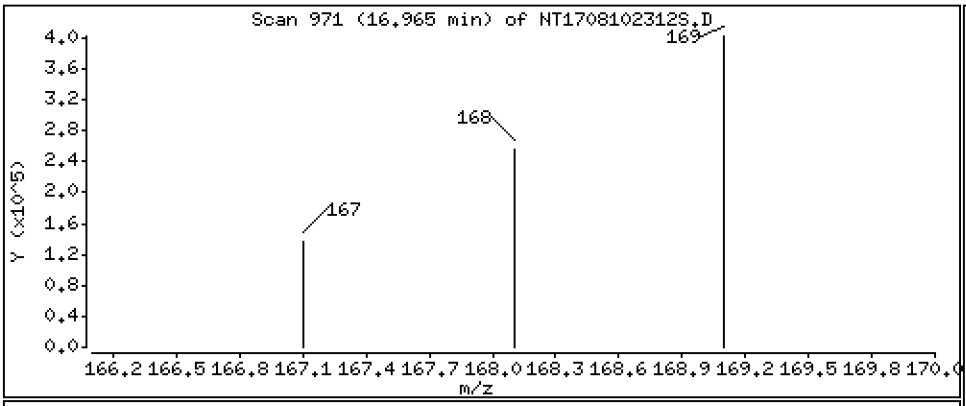
Operator: JGR

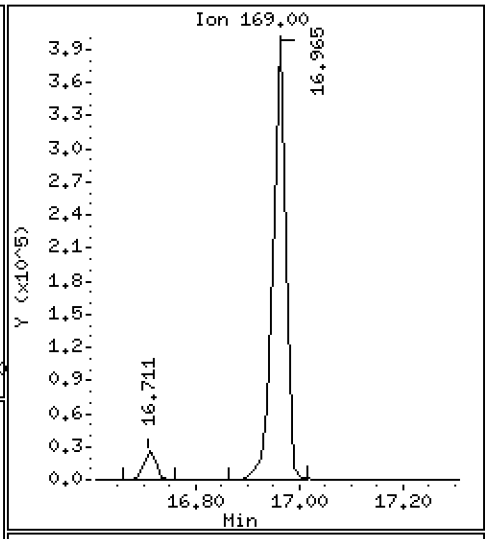
Column phase: ZB-5msi

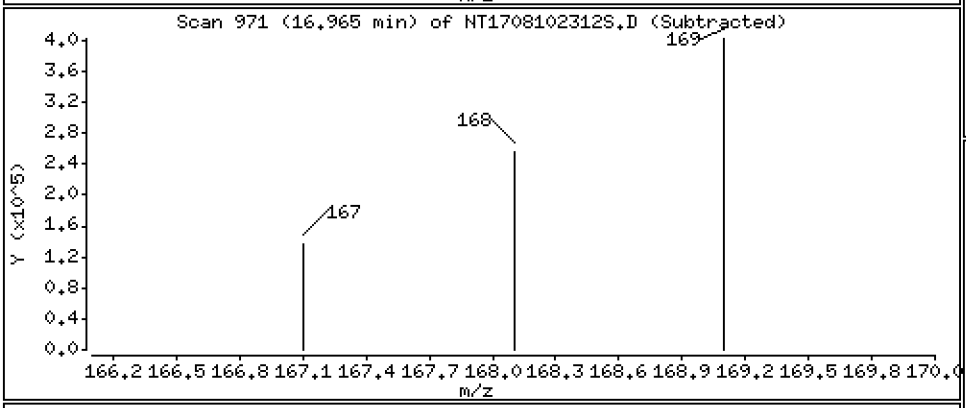
Column diameter: 0.25

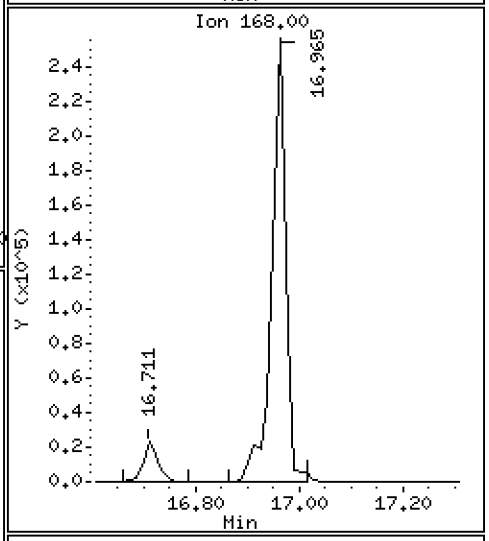
54 N-Nitrosodiphenylamine

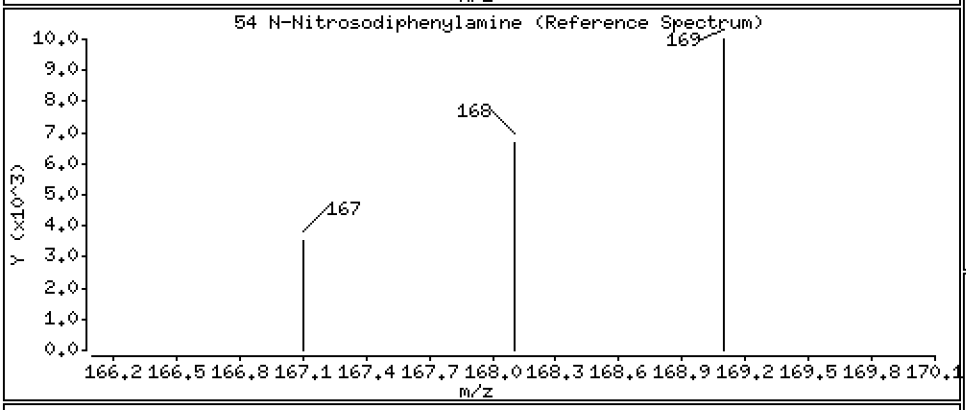
Concentration: 5.881 ug/mL

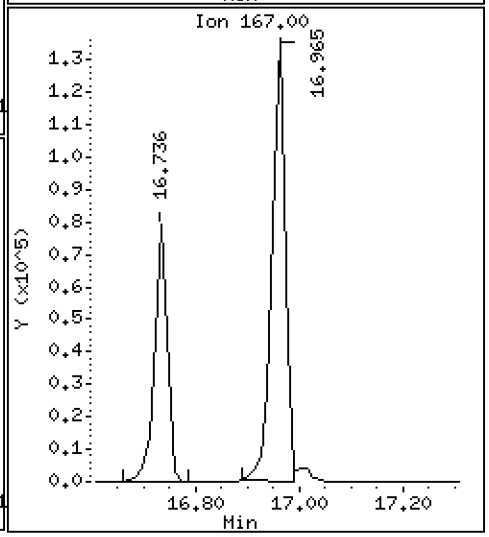


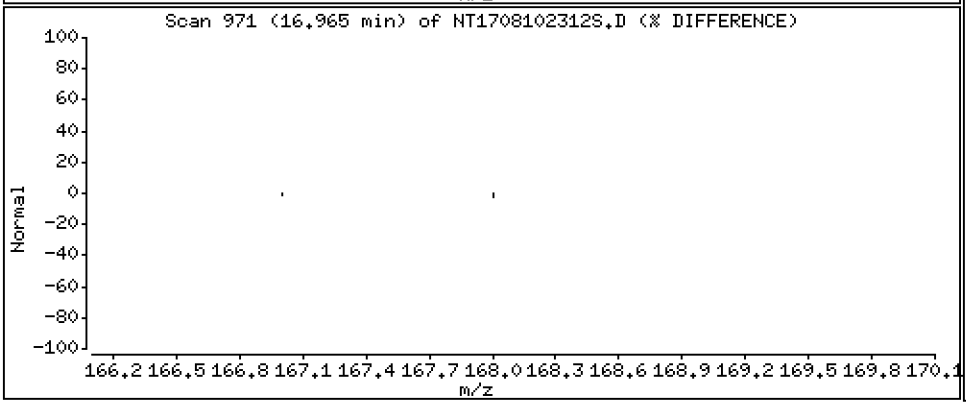












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

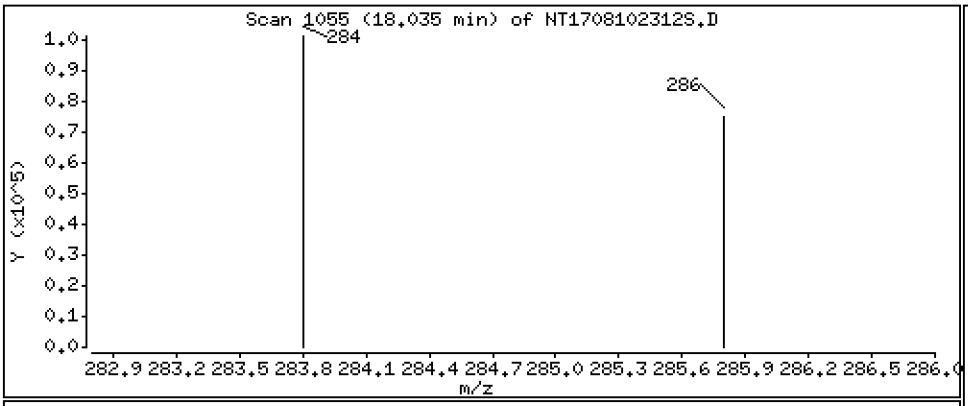
Operator: JGR

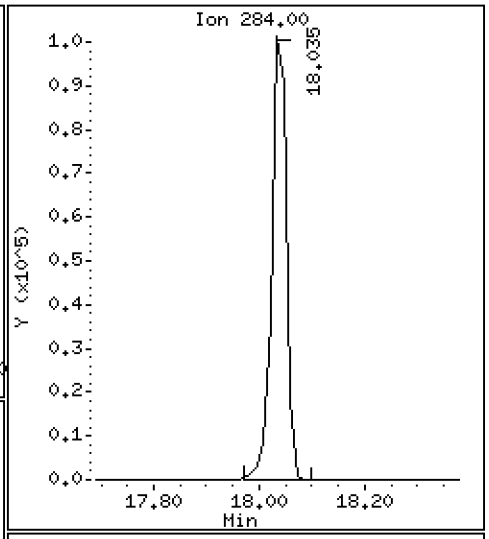
Column phase: ZB-5msi

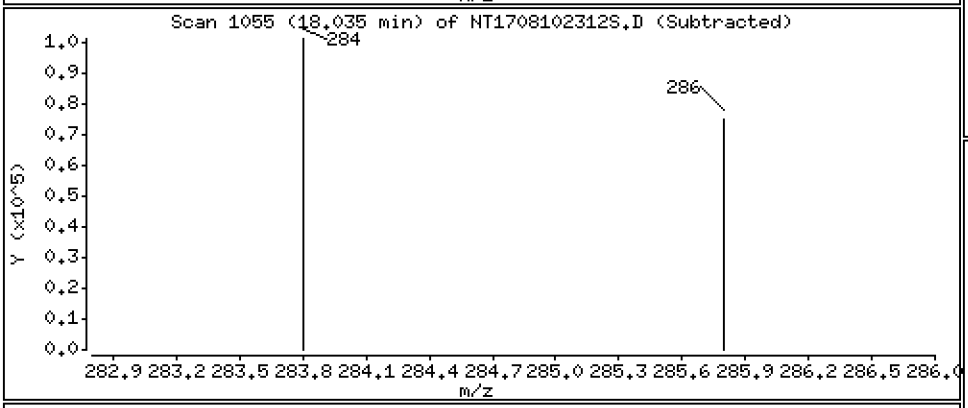
Column diameter: 0.25

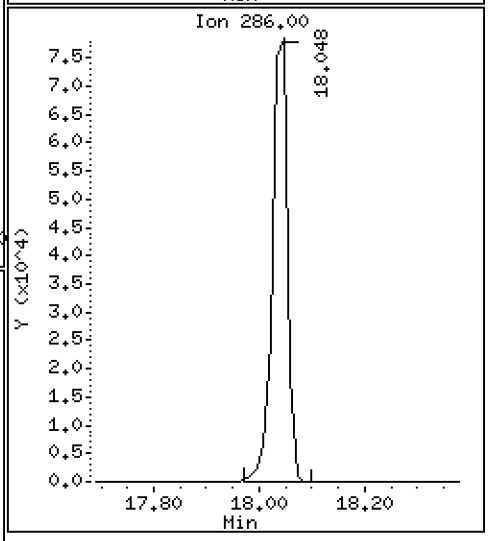
57 Hexachlorobenzene

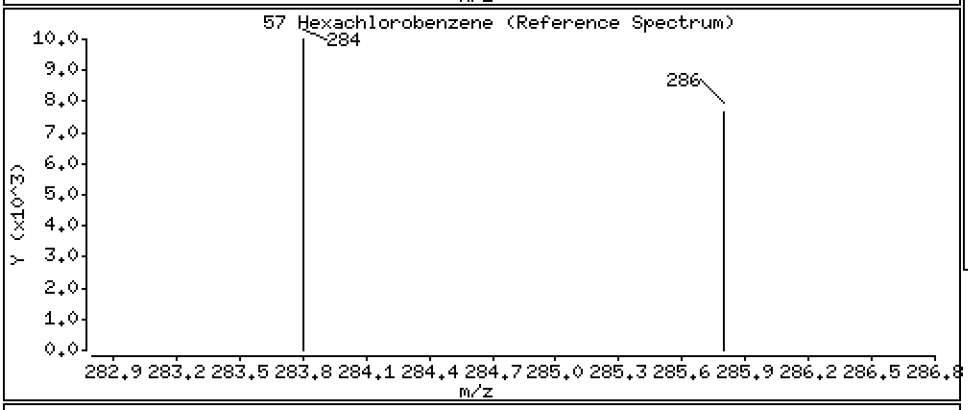
Concentration: 5.215 ug/mL

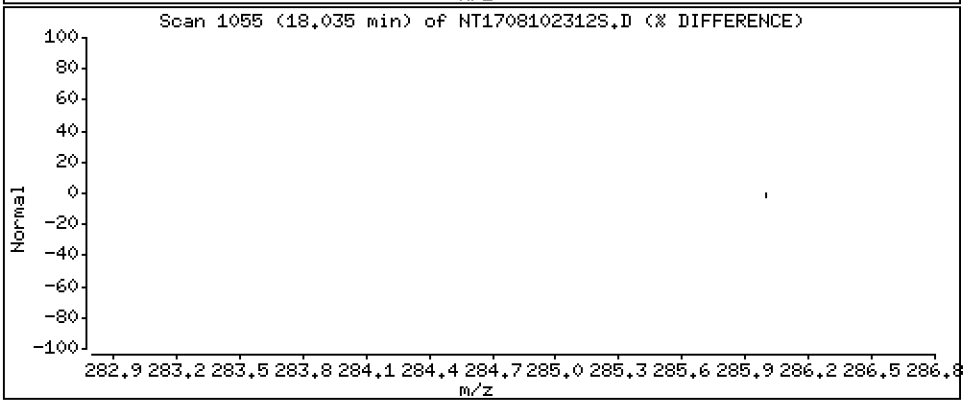












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

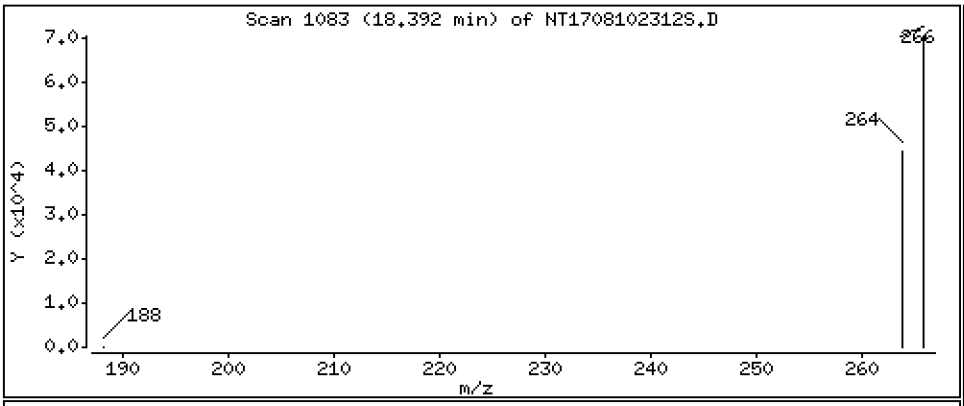
Operator: JGR

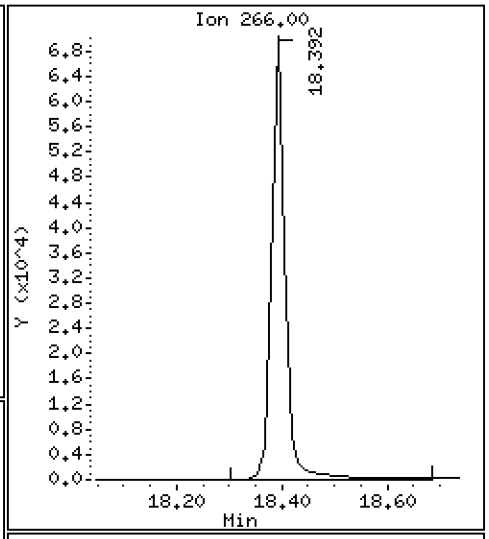
Column phase: ZB-5msi

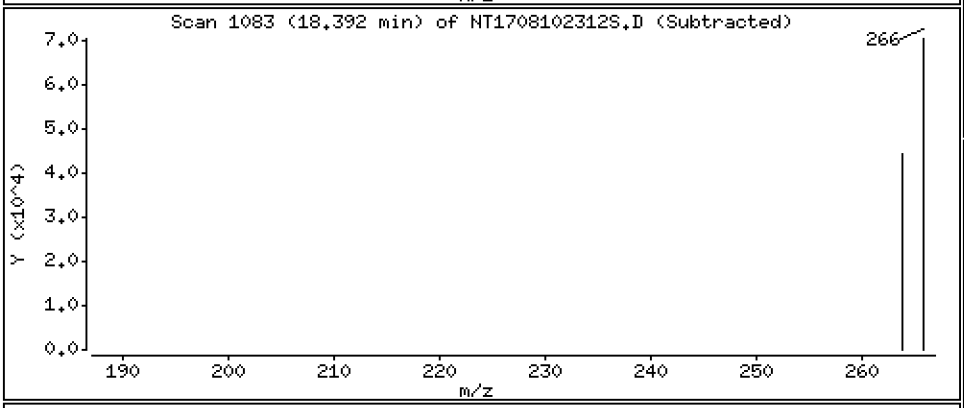
Column diameter: 0.25

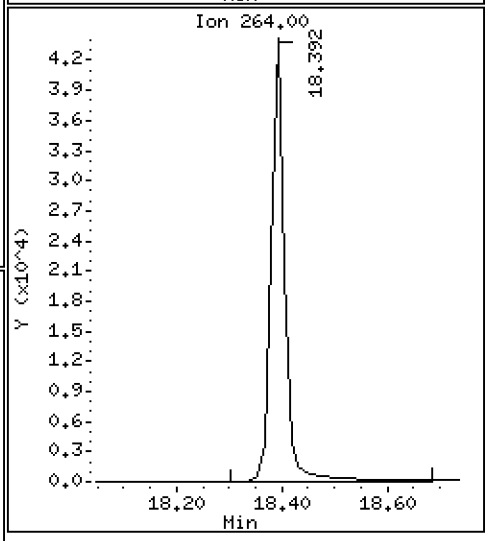
58 Pentachlorophenol

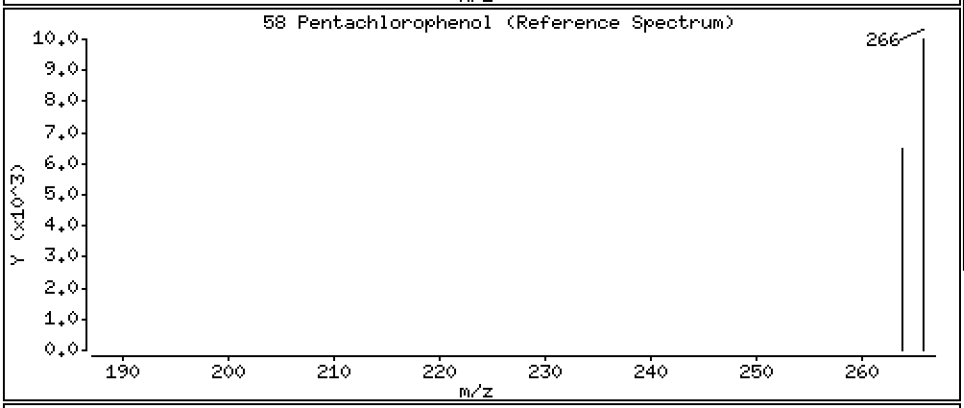
Concentration: 4.844 ug/mL

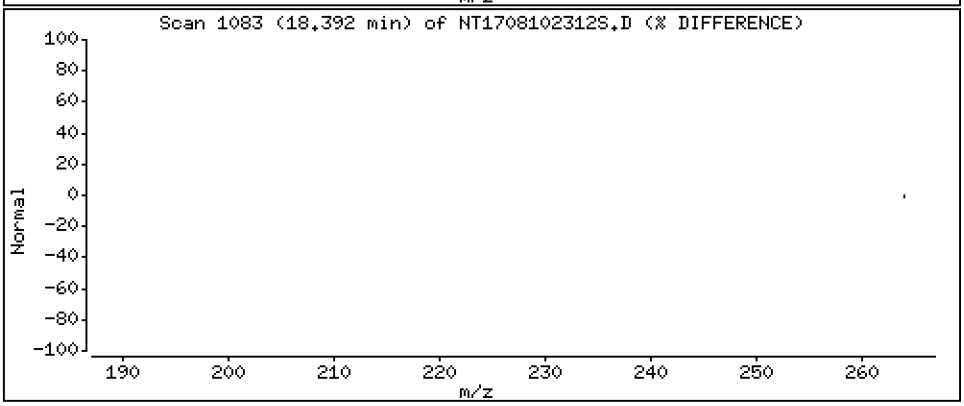












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

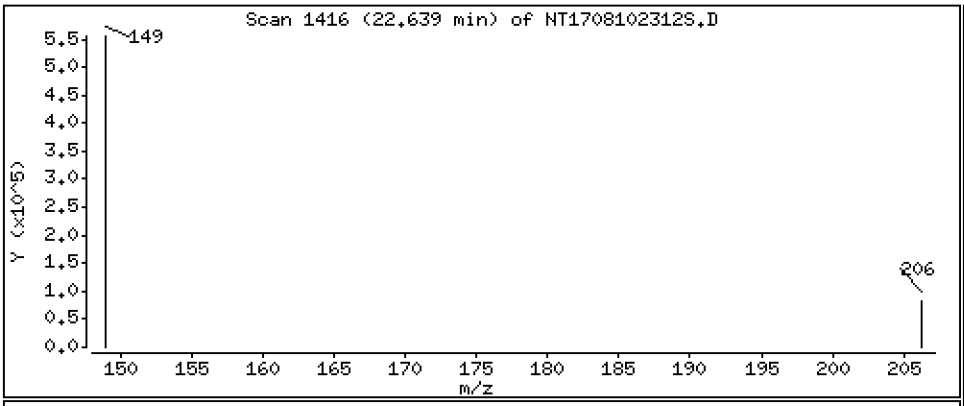
Operator: JGR

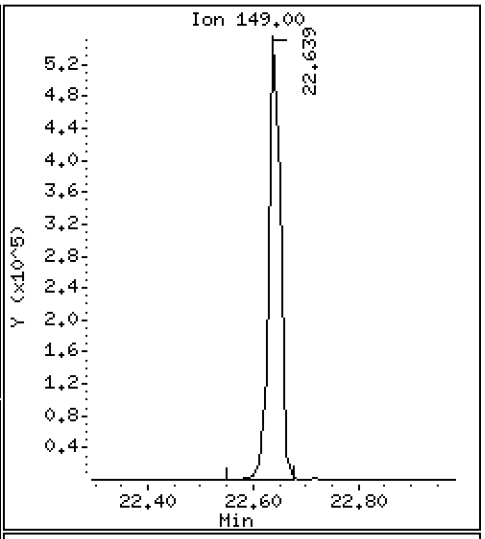
Column phase: ZB-5msi

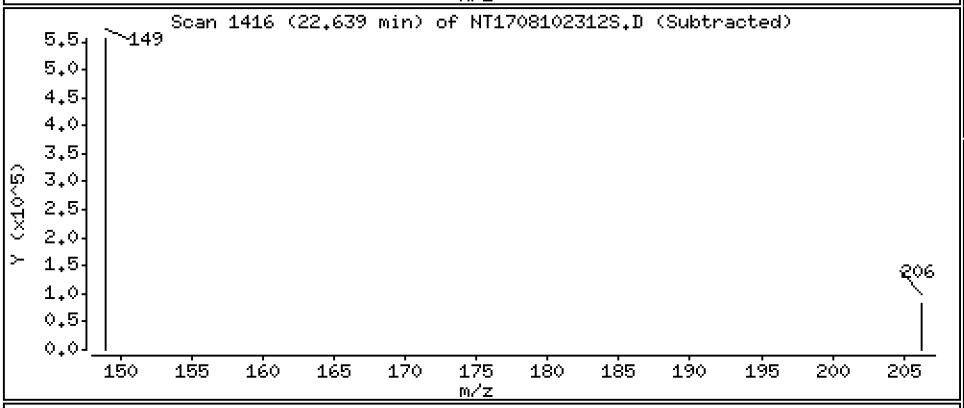
Column diameter: 0.25

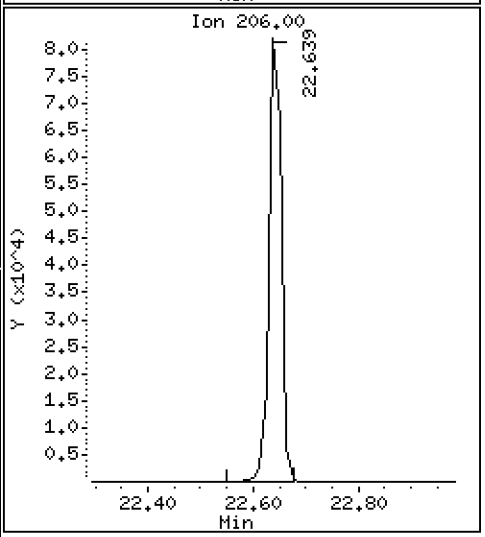
67 Butylbenzylphthalate

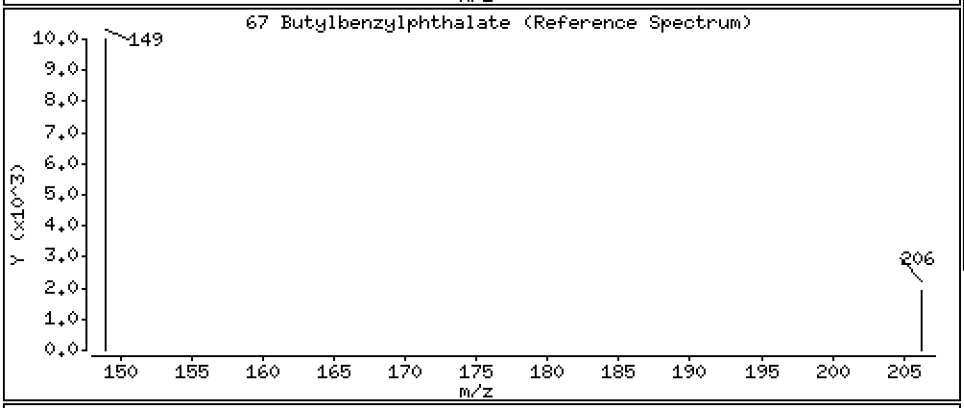
Concentration: 5.503 ug/mL

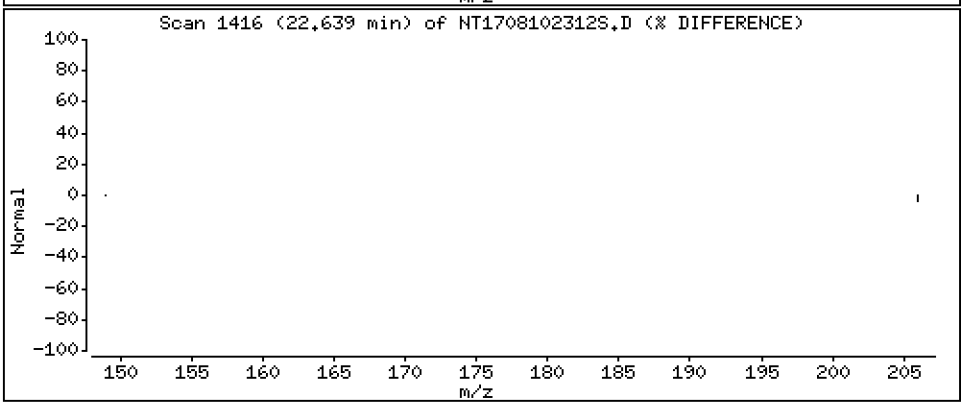












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

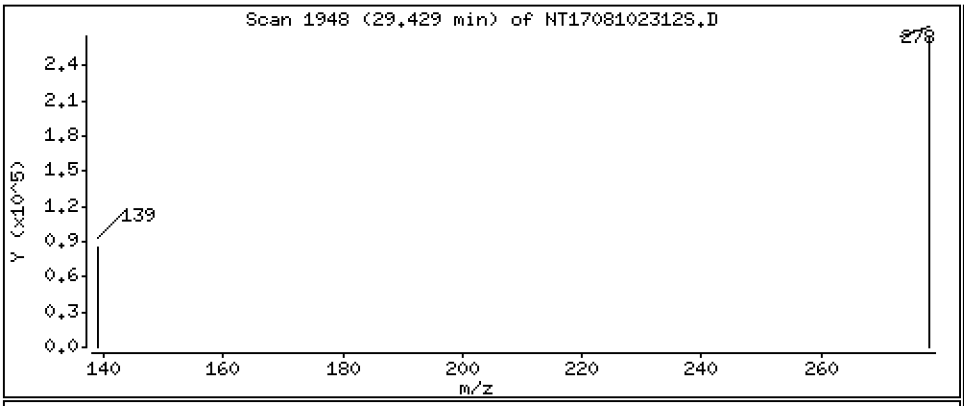
Operator: JGR

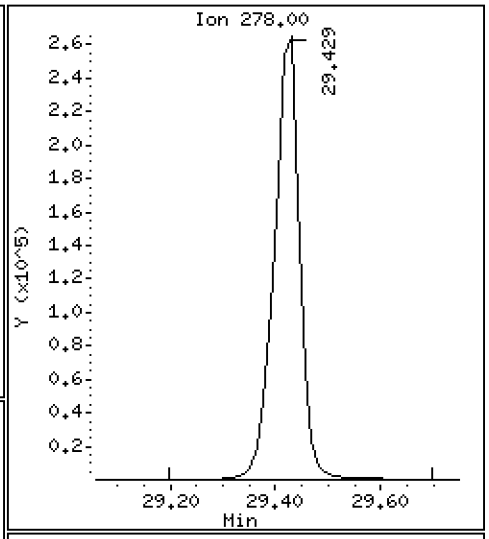
Column phase: ZB-5msi

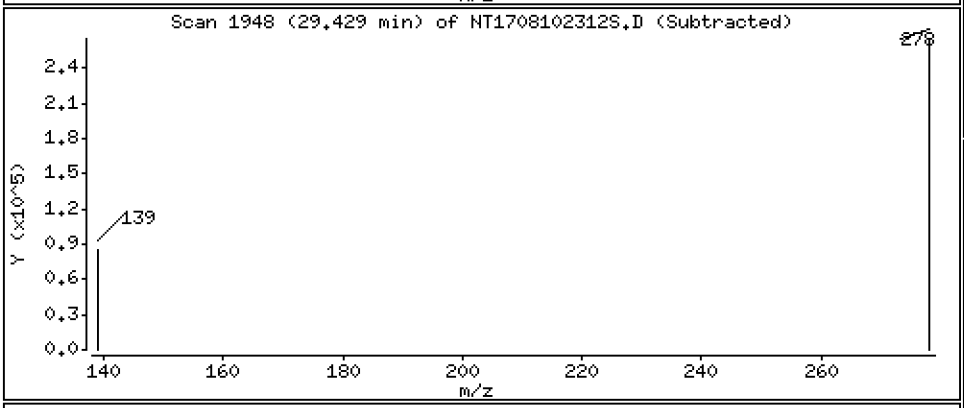
Column diameter: 0.25

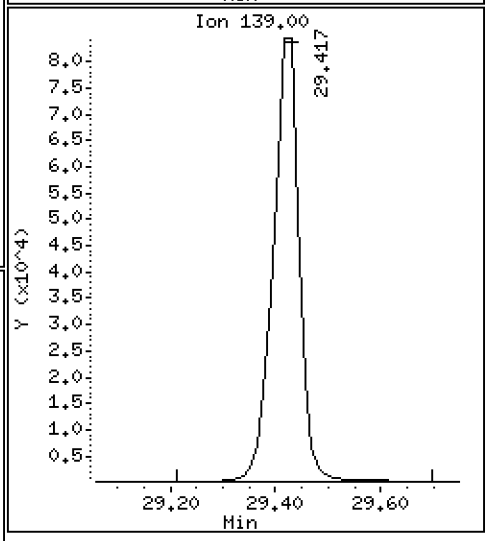
79 Dibenzo(a,h)anthracene

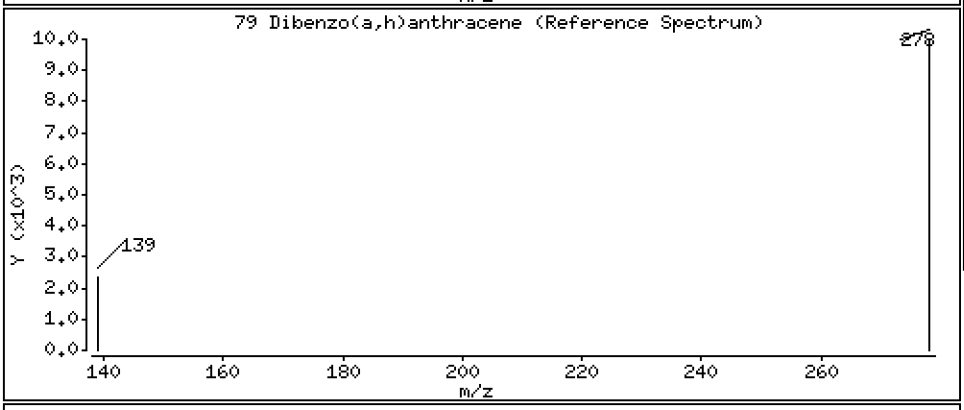
Concentration: 5.066 ug/mL

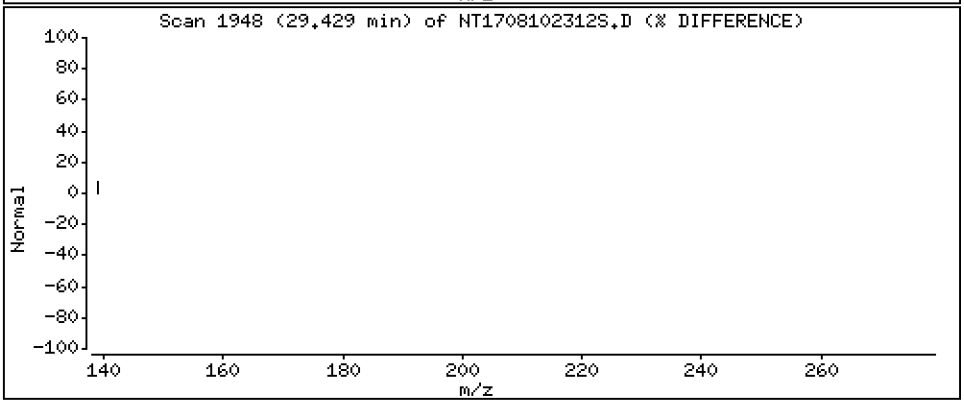












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Date : 10-AUG-2023 18:45

Client ID:

Instrument: nt17.i

Sample Info: SEQ-SCV1

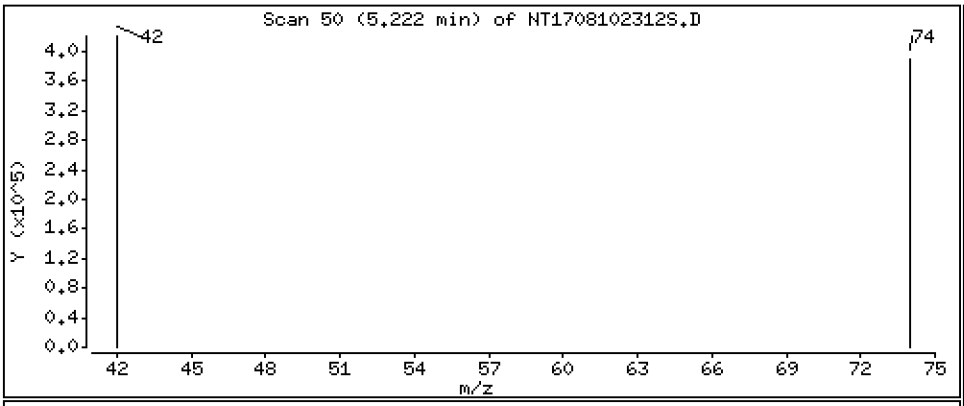
Operator: JGR

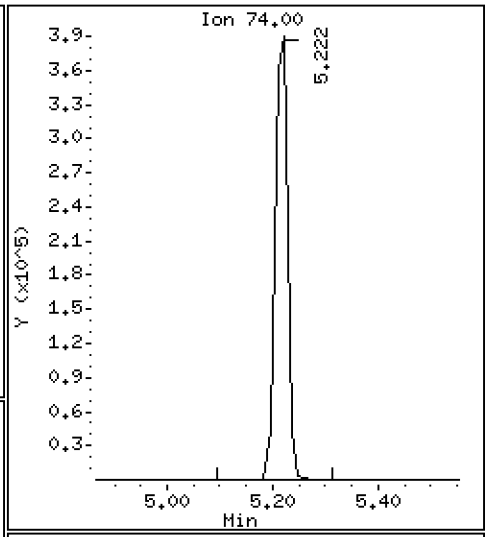
Column phase: ZB-5msi

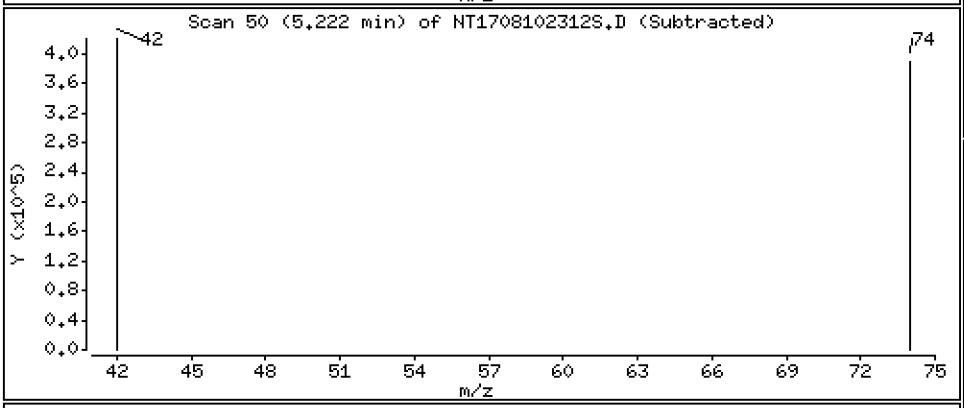
Column diameter: 0.25

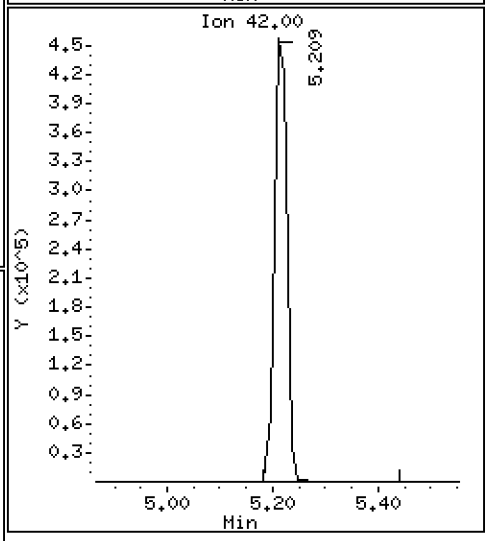
90 N-Nitrosodimethylamine

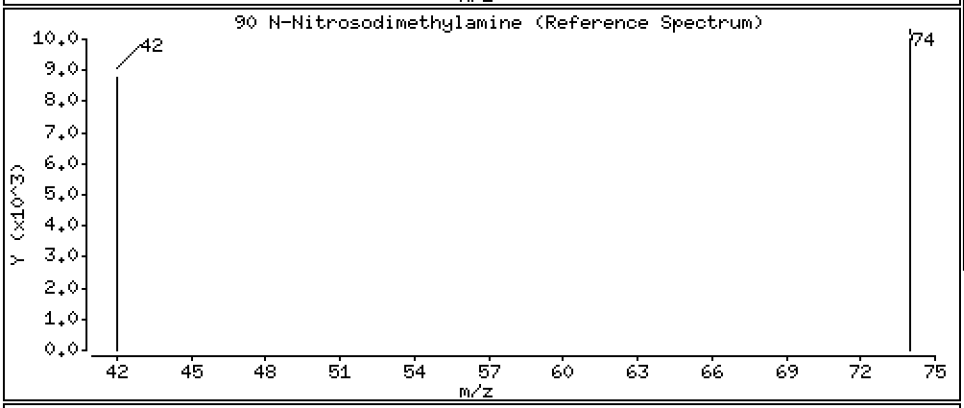
Concentration: 5.656 ug/mL

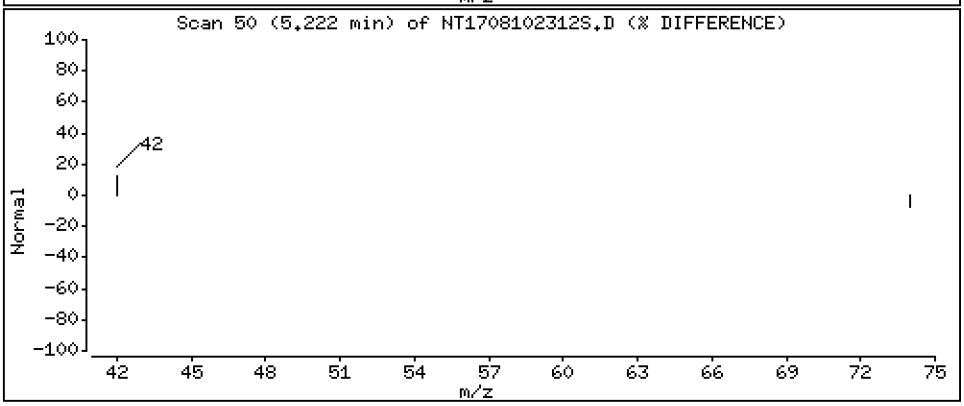












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230810.b\SIM.B\NT1708102312S.D
Lab Smp Id: SEQ-SCV1
Inj Date : 10-AUG-2023 18:45
Operator : JGR Inst ID: nt17.i
Smp Info : SEQ-SCV1
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Meth Date : 11-Aug-2023 08:13 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
$	1	2-Fluorophenol	112	Compound Not Detected.					
	3	Phenol	94	8.891	8.891	(0.932)	932540	5.50239	5.502
	7	1,3-Dichlorobenzene	146	9.477	9.477	(0.993)	591053	5.15578	5.156
*	8	1,4-Dichlorobenzene-d4	152	9.541	9.541	(1.000)	267754	4.00000	
	9	1,4-Dichlorobenzene	146	9.566	9.566	(1.003)	573424	5.16858	5.169
	11	Benzyl alcohol	79	9.796	9.796	(1.027)	709897	6.05184	6.052
	12	1,2-Dichlorobenzene	146	9.924	9.924	(1.040)	561360	5.21616	5.216
	13	2-Methylphenol	108	10.001	10.001	(1.048)	525371	5.11241	5.112
	15	4-Methylphenol	108	10.282	10.269	(1.078)	589793	5.49122	5.491
	16	N-Nitroso-di-n-propylamine	70	10.359	10.346	(1.086)	677820	6.17127	6.171
	22	2,4-Dimethylphenol	107	11.317	11.316	(0.941)	497084	4.51954	4.520
	24	Benzoic acid	105	11.495	11.521	(0.955)	749206	9.95900	9.959
	26	1,2,4-Trichlorobenzene	180	11.929	11.929	(0.992)	377826	5.02775	5.028
*	27	Naphthalene-d8	136	12.031	12.018	(1.000)	1096182	4.00000	
	30	Hexachlorobutadiene	225	12.413	12.413	(1.032)	189282	5.37846	5.378
	39	Dimethylphthalate	163	15.130	15.117	(0.967)	949831	5.86824	5.868
*	42	Acenaphthene-d10	162	15.640	15.627	(1.000)	498001	4.00000	
	50	Diethylphthalate	149	16.570	16.557	(1.059)	1074870	6.38666	6.387
	54	N-Nitrosodiphenylamine	169	16.965	16.965	(0.909)	685167	5.88111	5.881
	57	Hexachlorobenzene	284	18.034	18.034	(0.966)	199043	5.21462	5.215
	58	Pentachlorophenol	266	18.391	18.392	(0.985)	125476	4.84413	4.844
*	59	Phenanthrene-d10	188	18.672	18.672	(1.000)	810370	4.00000	
$	66	Terphenyl-d14	244	Compound Not Detected.					
	67	Butylbenzylphthalate	149	22.638	22.639	(0.957)	857851	5.50335	5.503
*	69	Chrysene-d12	240	23.646	23.646	(1.000)	587436	4.00000	
*	77	Perylene-d12	264	26.452	26.452	(1.000)	595930	4.00000	
	79	Dibenzo(a,h)anthracene	278	29.429	29.404	(1.113)	891713	5.06606	5.066
	90	N-Nitrosodimethylamine	74	5.221	5.209	(0.547)	639879	5.65625	5.656(M)

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708102312S.D
Lab Smp Id: SEQ-SCV1
Analysis Type: SV
Quant Type: ISTD
Operator: JGR
Method File: \\target\share\chem3\nt17.i\20230810.b\SIM.B\SIMABN2.m
Misc Info:

Calibration Date: 10-AUG-2023
Calibration Time: 15:01
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	319389	159695	638778	267754	-16.17
27 Naphthalene-d8	1274686	637343	2549372	1096182	-14.00
42 Acenaphthene-d10	569885	284943	1139770	498001	-12.61
59 Phenanthrene-d10	915829	457915	1831658	810370	-11.52
69 Chrysene-d12	653460	326730	1306920	587436	-10.10
77 Perylene-d12	654887	327444	1309774	595930	-9.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.54	9.04	10.04	9.54	0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.03	0.11
42 Acenaphthene-d10	15.64	15.14	16.14	15.64	0.00
59 Phenanthrene-d10	18.67	18.17	19.17	18.67	0.00
69 Chrysene-d12	23.65	23.15	24.15	23.65	0.00
77 Perylene-d12	26.45	25.95	26.95	26.45	0.00

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

REVIEW SUMMARY FOR FILE - NT1708102312S.D

Lab ID: SEQ-SCV1
nt17.i, 20230810.b\SIM.B\SIMABN2.m,   10-AUG-2023 18:45

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

** FIRST SURROGATE NOT FOUND. ICAL Check not performed **

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND

NONE

RRT check based on Ccal File: SIM.B/NT1708102309S.D

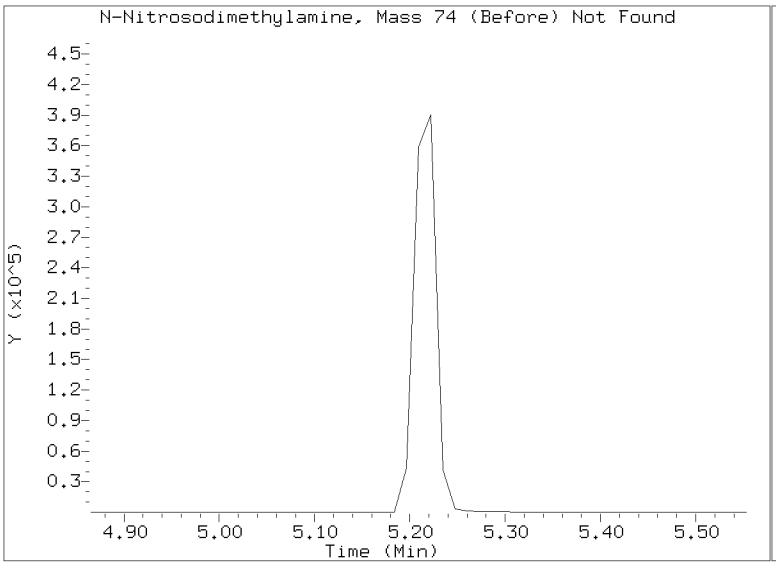
On Column LOD for nt17.i, SIM.B\SIMABN2.m, PSDDA.sub = 0.0000

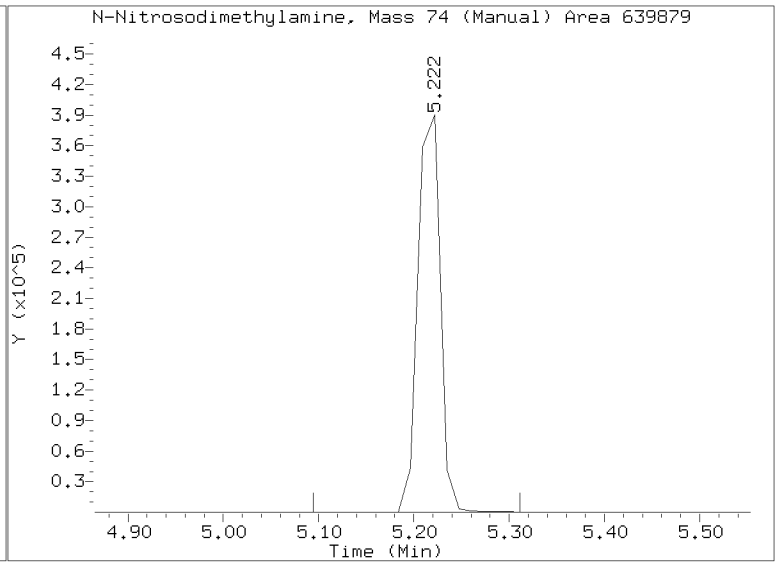
Exception: 1,2,4-Trichlorobenzene 0.0010

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

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt17.i/20230810.b/SIM.B/NT1708102312S.D
Injection Date: 10-AUG-2023 18:45
Lab ID:SEQ-SCV1 Client ID:
Report Date: 08/15/2023 16:33





Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Instrument ID:	NT17	Calibration:	GH00045
Lab File ID:	NT1708112320S.D	Calibration Date:	08/10/2023
Sequence:	SLH0248	Injection Date:	08/12/23
Lab Sample ID:	SLH0248-CCV1	Injection Time:	00:02
Sequence Name:	Calibration Check		

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
1,4-Dichlorobenzene	A	1.0000	1.0	1.6574040	1.7037600		2.8	+/-50
1,2-Dichlorobenzene	A	1.0000	1.0	1.6077360	1.6784910		4.4	+/-50
Benzyl Alcohol	A	1.0000	1.1	1.7523940	1.9498300		11.3	+/-50
Benzoic acid	A	4.0000	4.2	0.1715968	0.2783914		4.3	+/-50
4-Methylphenol	A	1.0000	1.1	1.6045550	1.7701450		10.3	+/-50
2,4-Dimethylphenol	A	2.0000	2.2	0.4013400	0.4452759		10.9	+/-50
1,2,4-Trichlorobenzene	A	1.0000	1.0	0.2742178	0.2819249		2.8	+/-50
N-Nitrosodiphenylamine	A	1.0000	1.2	0.5750605	0.6940563		20.7	+/-50
Pentachlorophenol	A	2.0000	1.5	0.0738457	0.0980532		-23.3	+/-50
2-Fluorophenol	A	1.5000	1.74	1.6608890	1.9241660		15.9	+/-50
p-Terphenyl-d14	A	1.0000	1.16	0.5535288	0.6409274		15.8	+/-50

* Values outside of QC limits

Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112320S.D

Page 1

Date : 12-AUG-2023 00:02

Client ID:

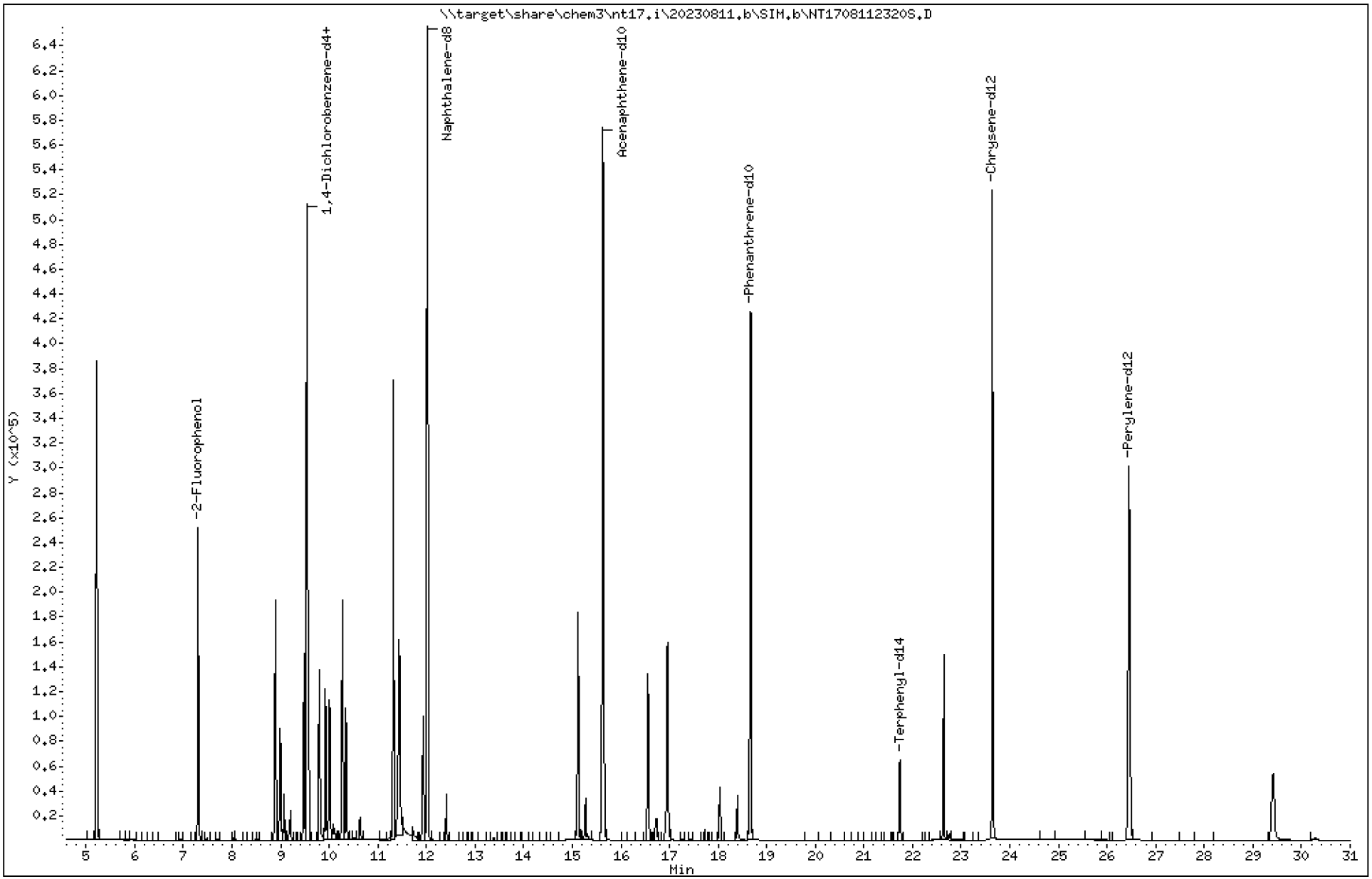
Instrument: nt17.i

Sample Info: SEQ-CCV2

Operator: YZ

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 12-AUG-2023 00:02

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

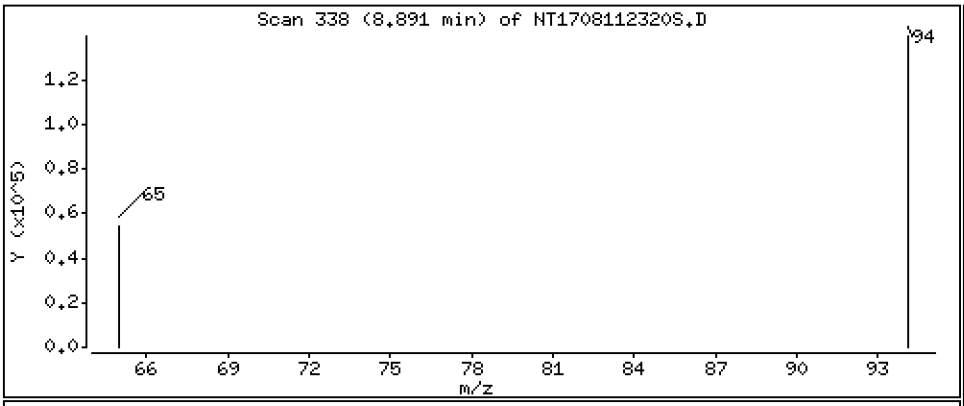
Operator: YZ

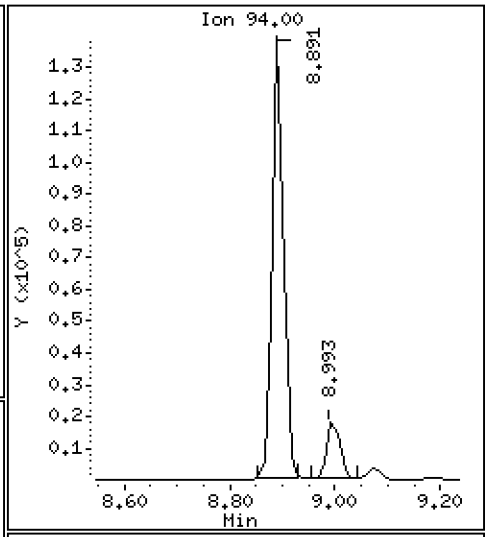
Column phase: ZB-5msi

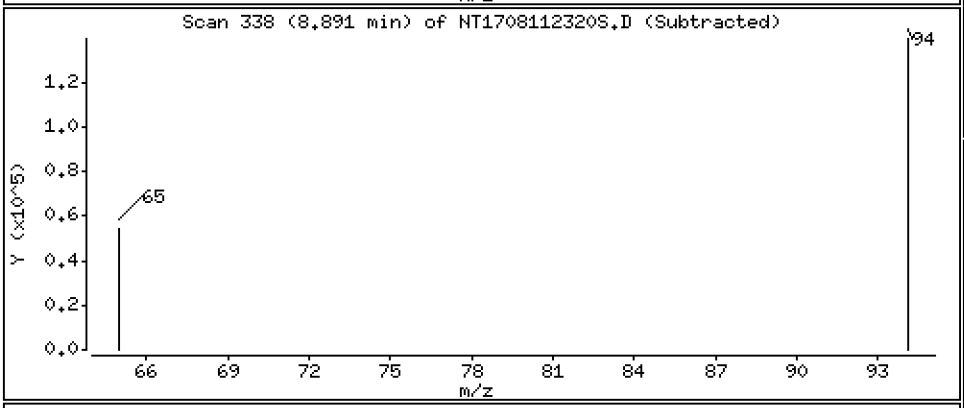
Column diameter: 0.25

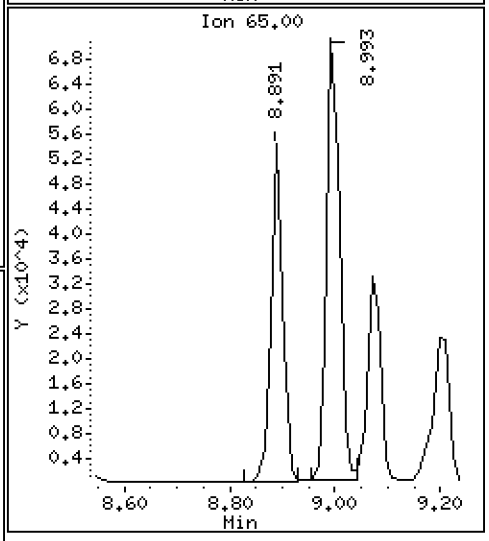
3 Phenol

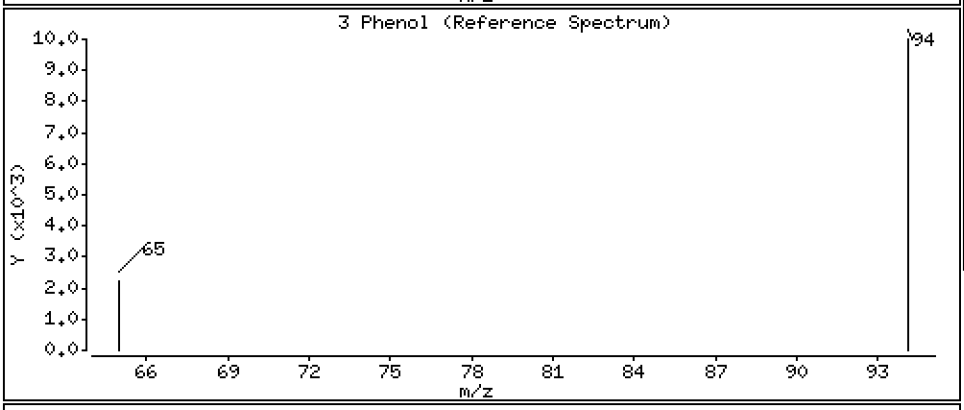
Concentration: 1.080 ug/mL

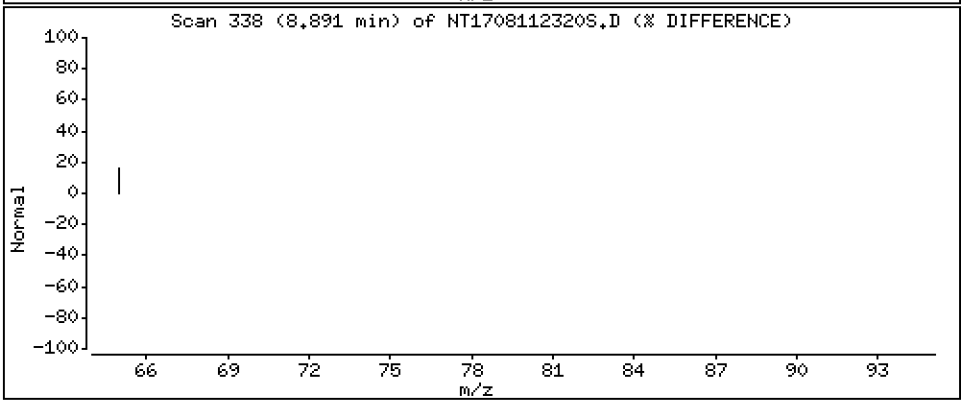












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Date : 12-AUG-2023 00:02

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

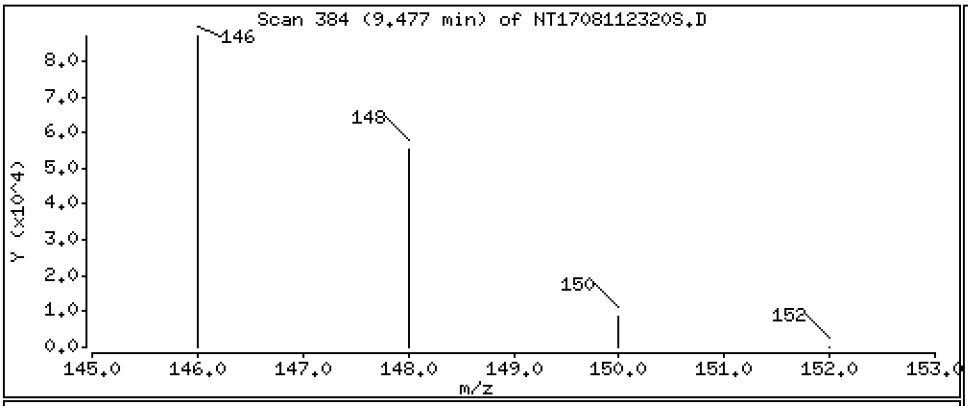
Operator: YZ

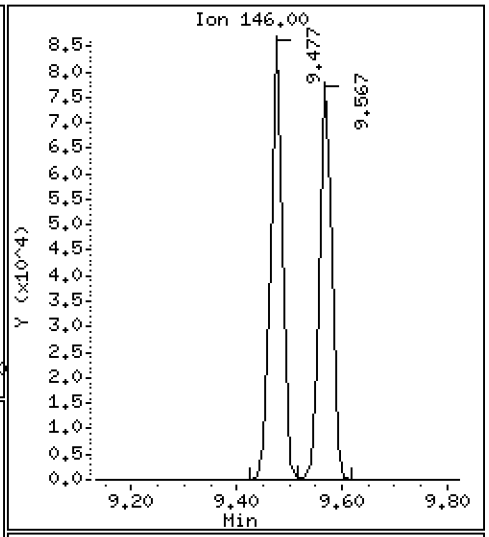
Column phase: ZB-5msi

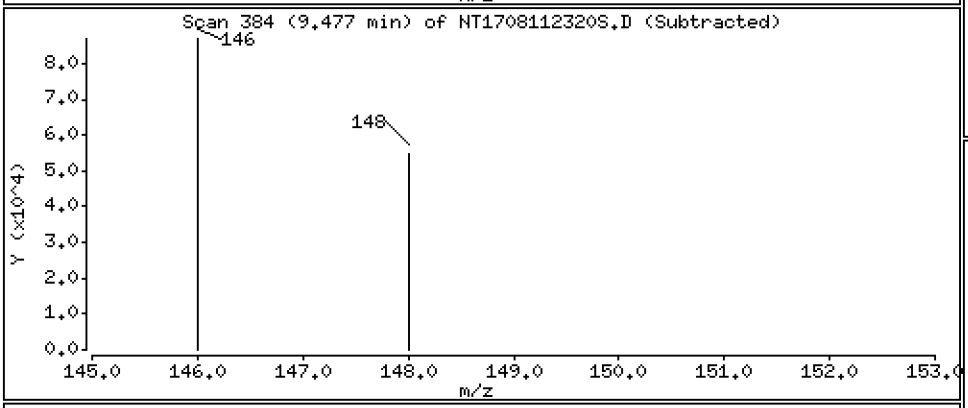
Column diameter: 0.25

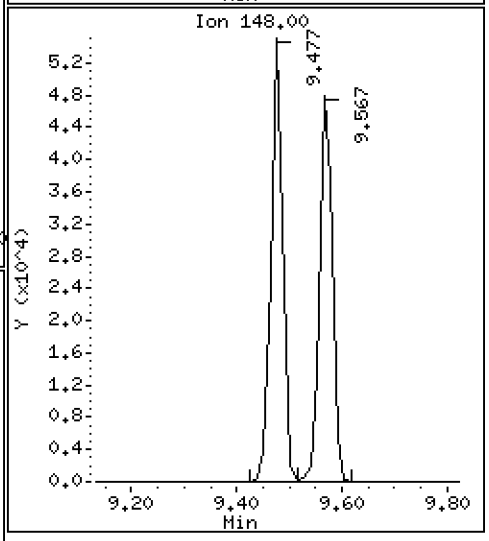
7 1,3-Dichlorobenzene

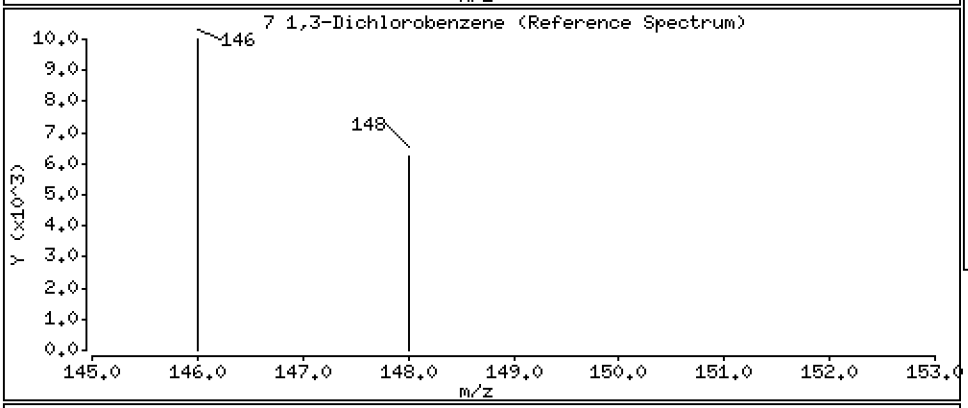
Concentration: 1.044 ug/mL

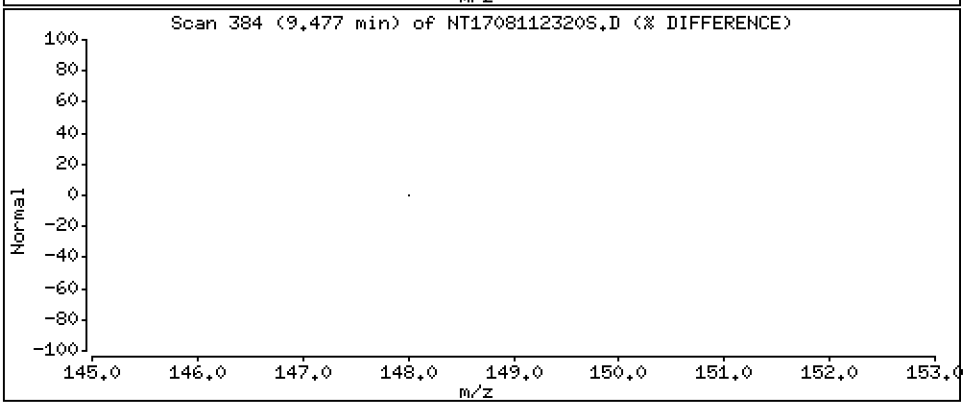












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Date : 12-AUG-2023 00:02

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

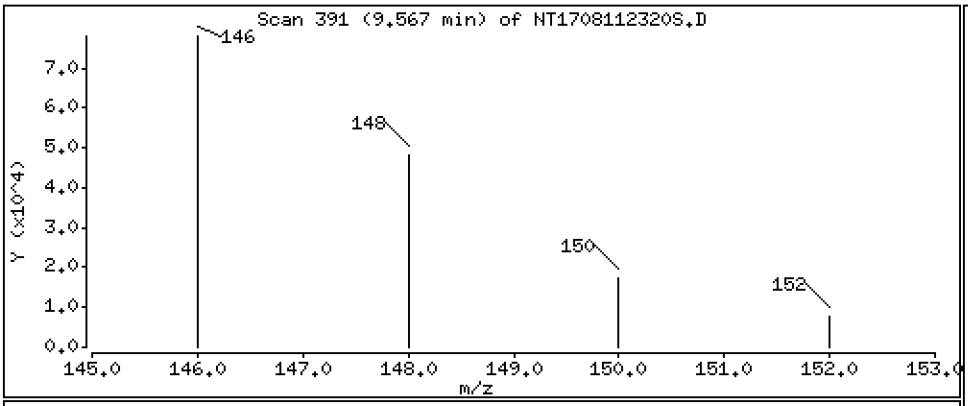
Operator: YZ

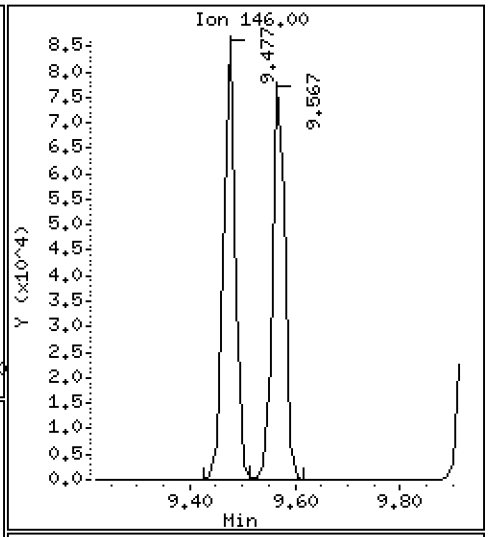
Column phase: ZB-5msi

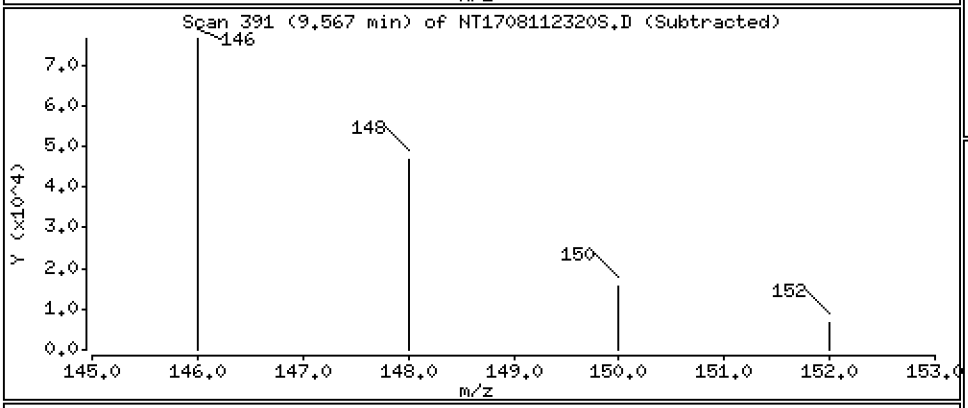
Column diameter: 0.25

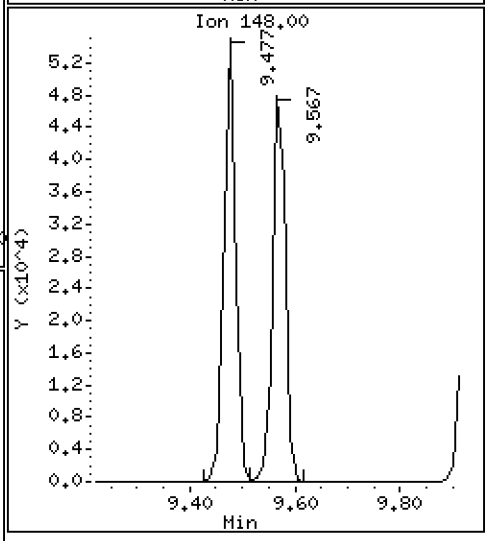
9 1,4-Dichlorobenzene

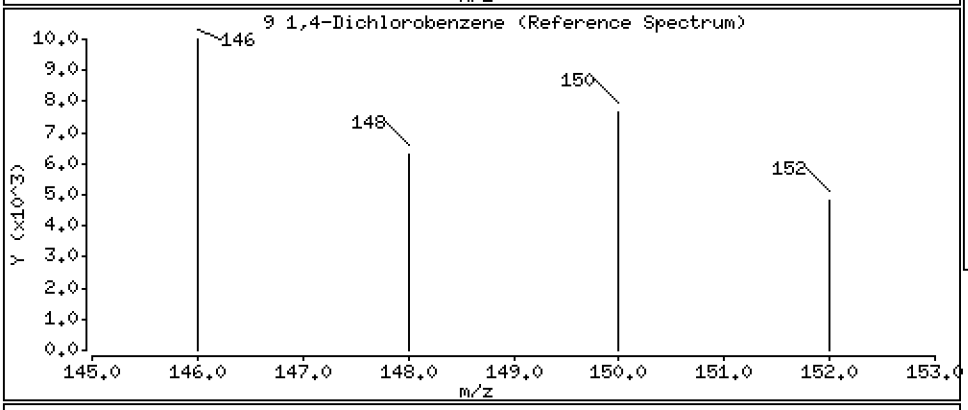
Concentration: 1.028 ug/mL

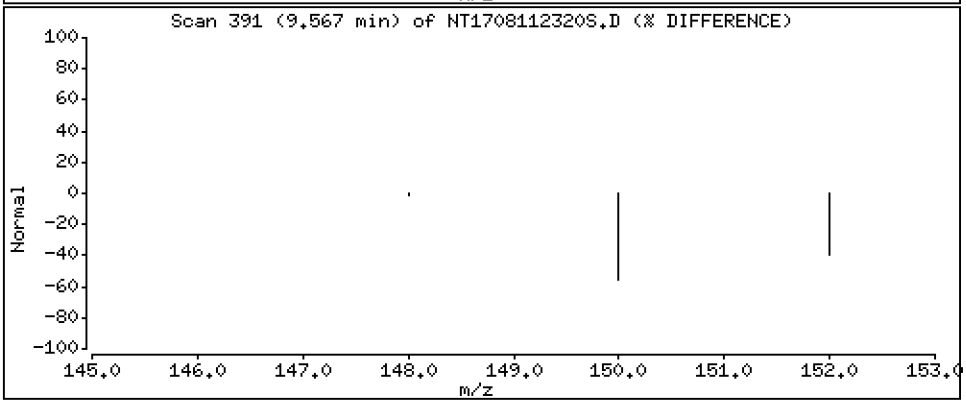












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Date : 12-AUG-2023 00:02

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

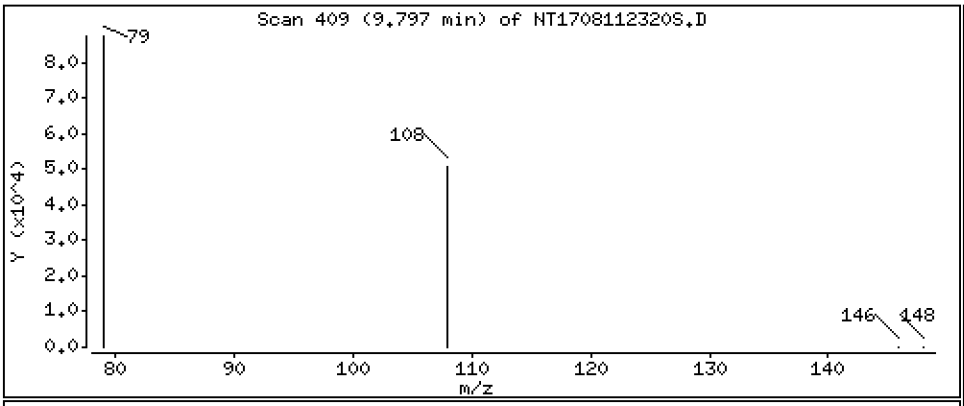
Operator: YZ

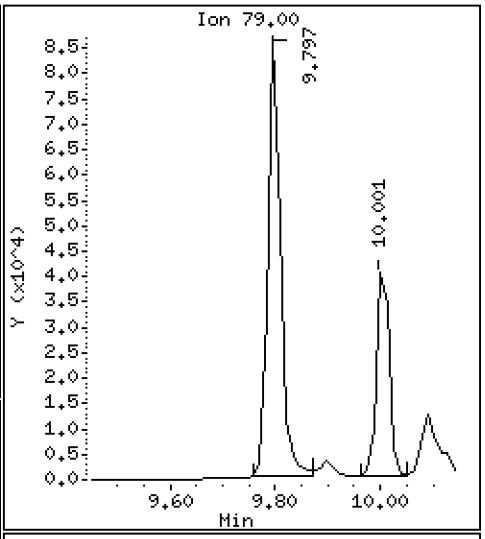
Column phase: ZB-5msi

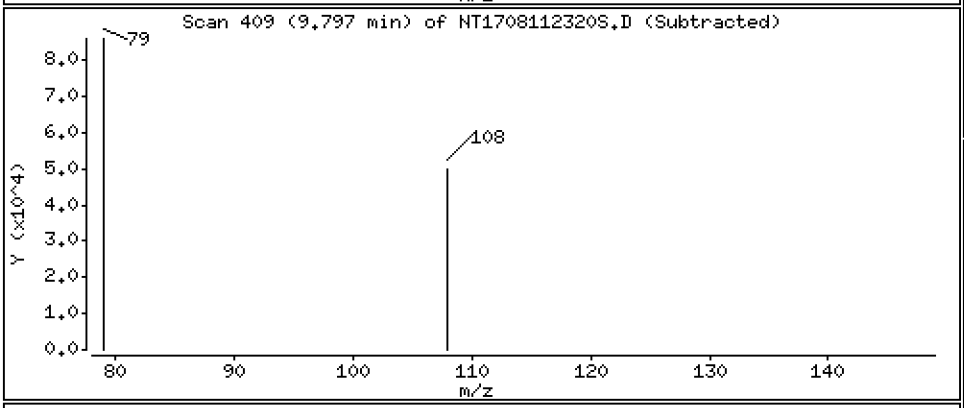
Column diameter: 0.25

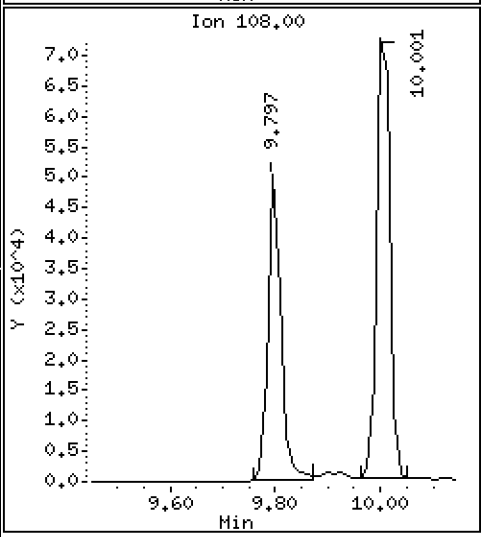
11 Benzyl alcohol

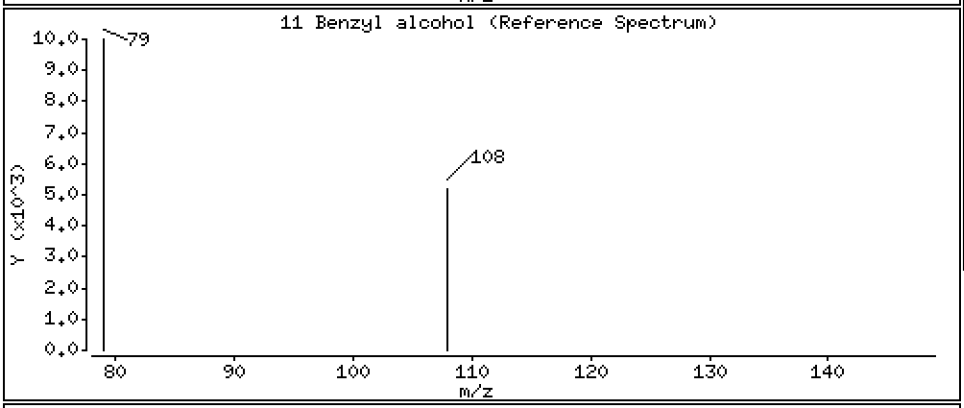
Concentration: 1.113 ug/mL

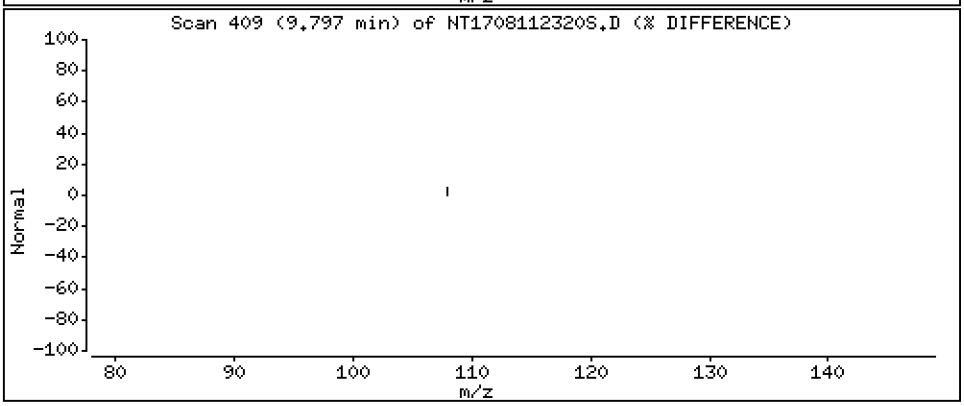












Data File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112320S.D

Date : 12-AUG-2023 00:02

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

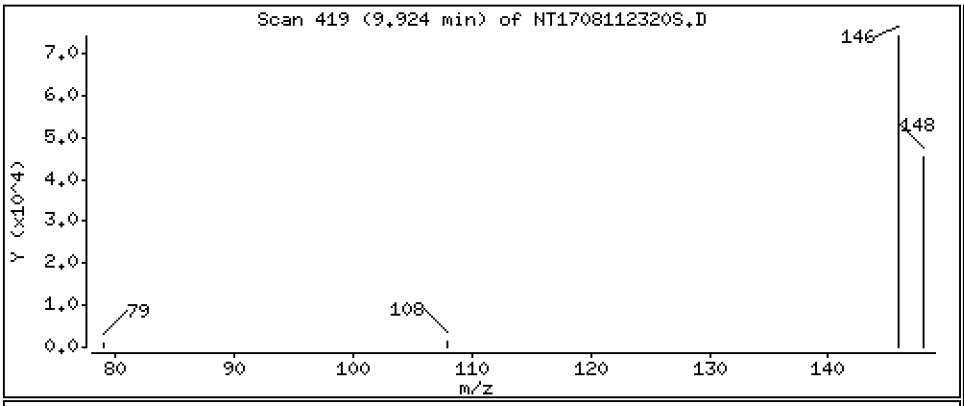
Operator: YZ

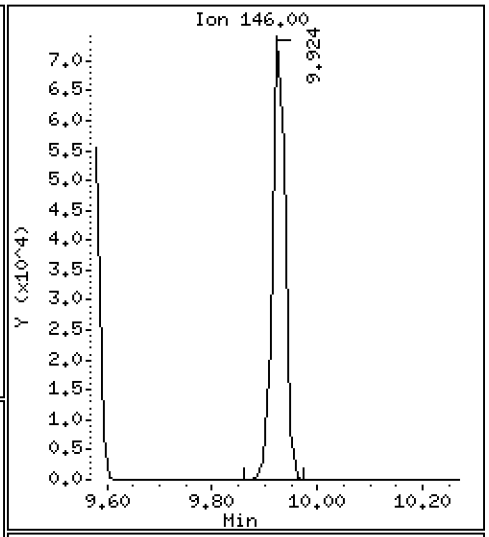
Column phase: ZB-5msi

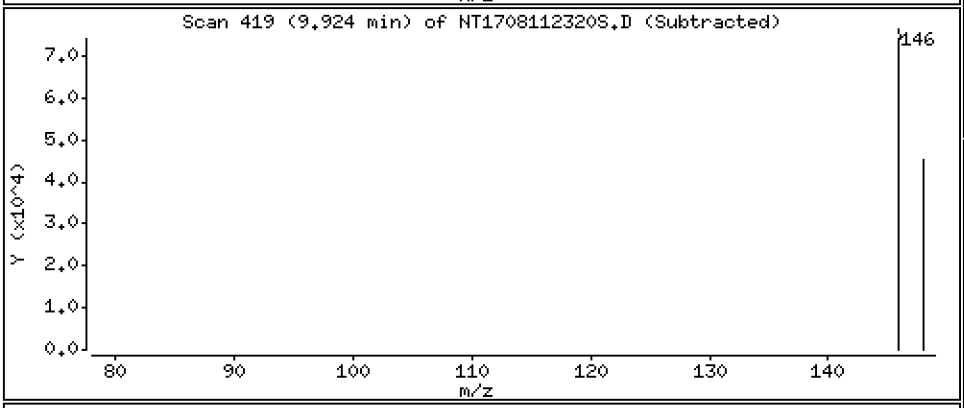
Column diameter: 0.25

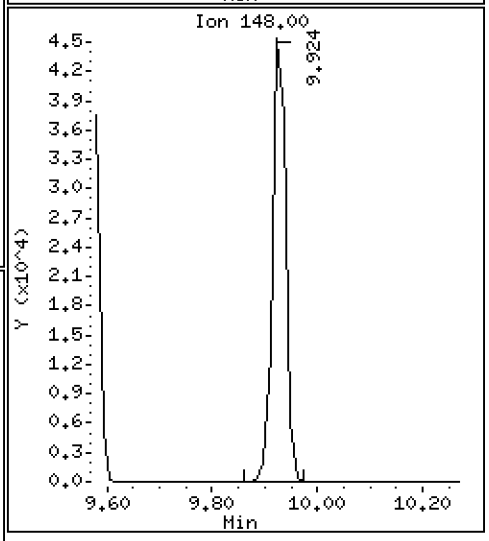
12 1,2-Dichlorobenzene

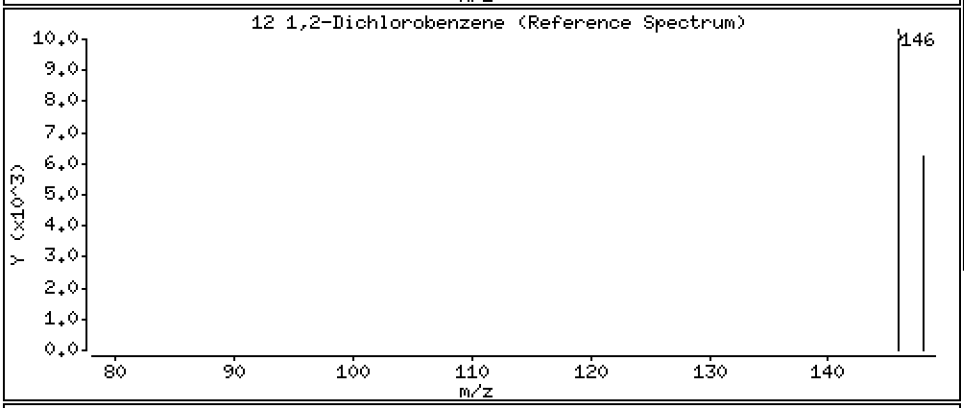
Concentration: 1.044 ug/mL

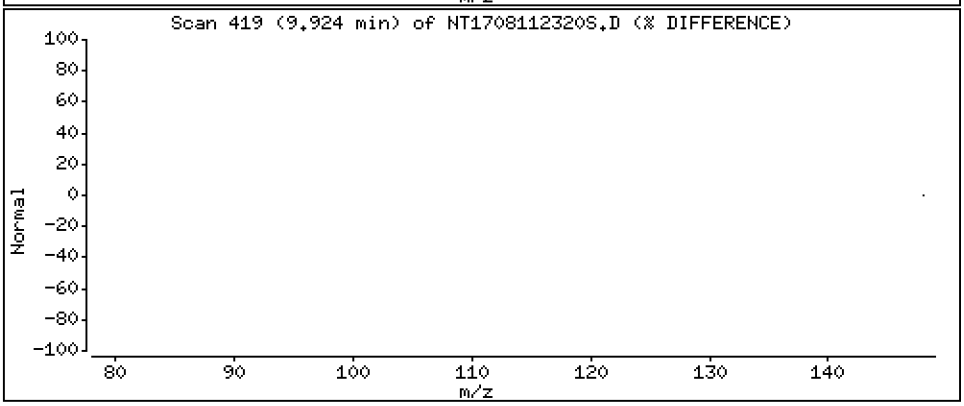












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Date : 12-AUG-2023 00:02

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

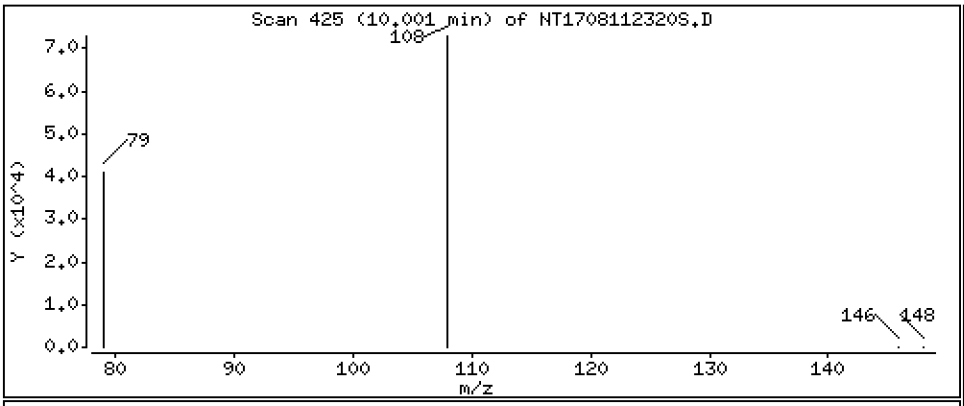
Operator: YZ

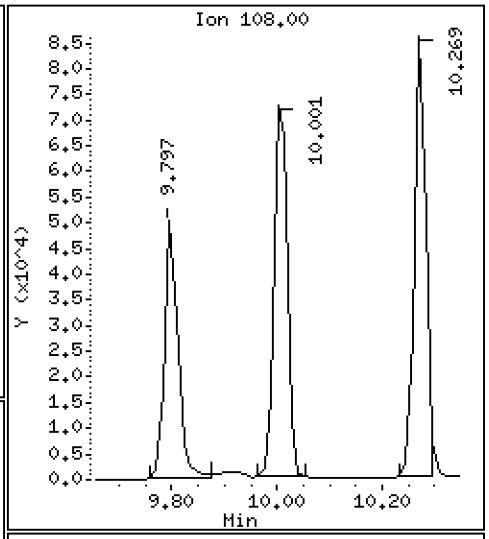
Column phase: ZB-5msi

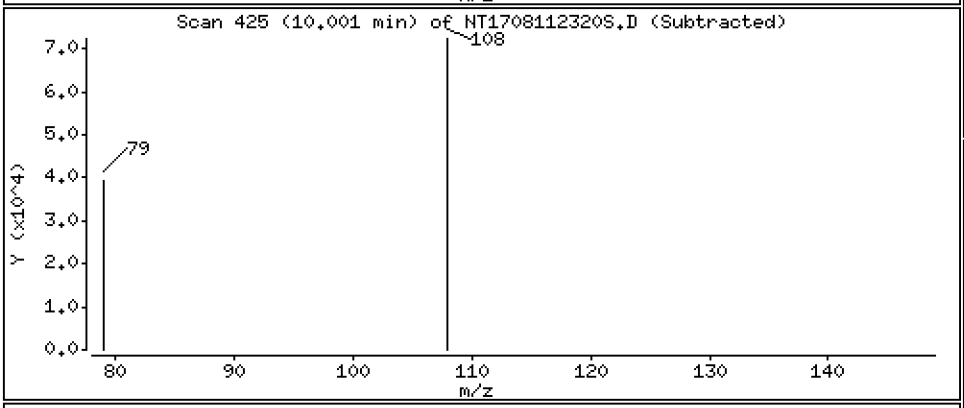
Column diameter: 0.25

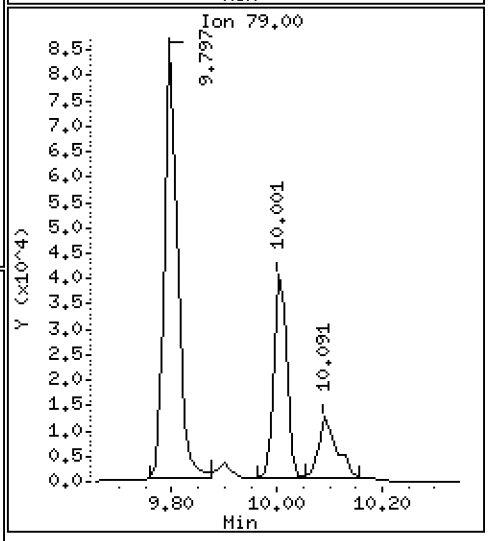
13 2-Methylphenol

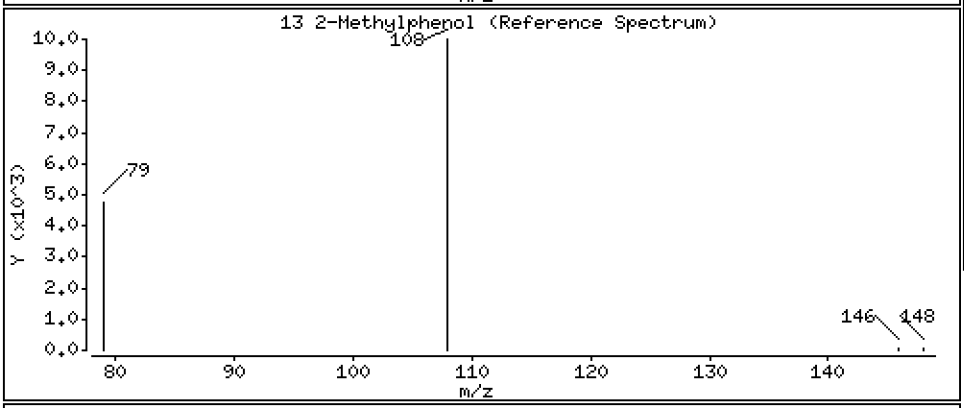
Concentration: 1.116 ug/mL

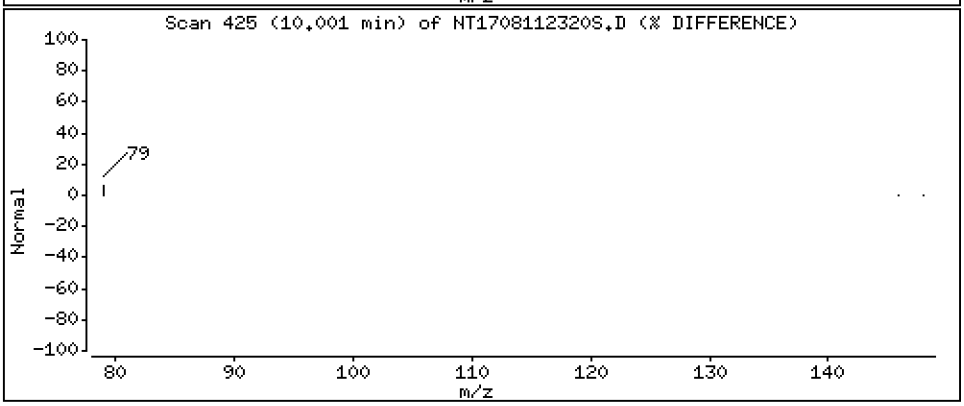












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Date : 12-AUG-2023 00:02

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

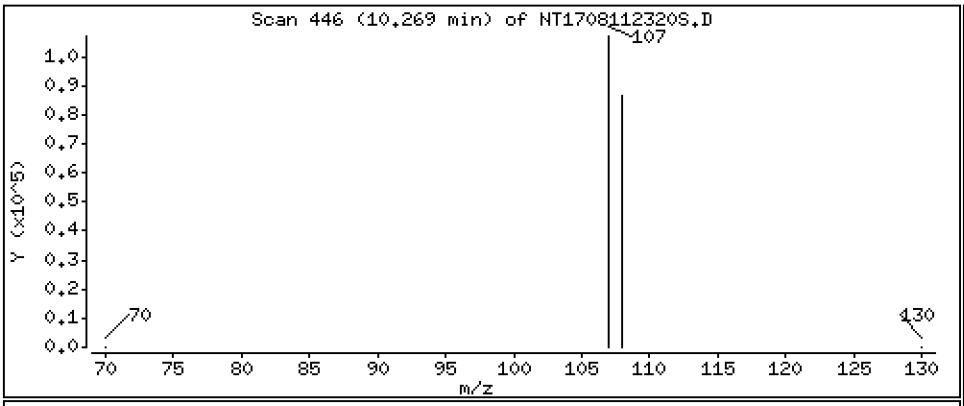
Operator: YZ

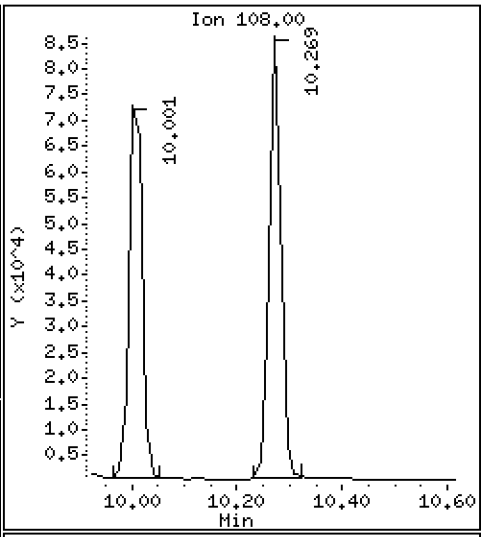
Column phase: ZB-5msi

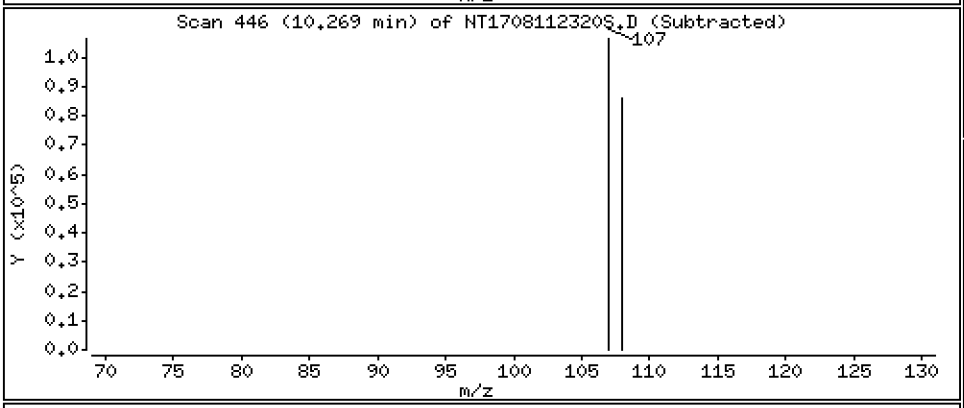
Column diameter: 0.25

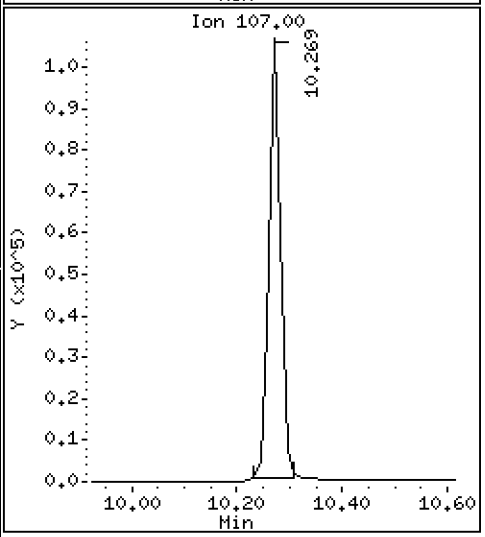
15 4-Methylphenol

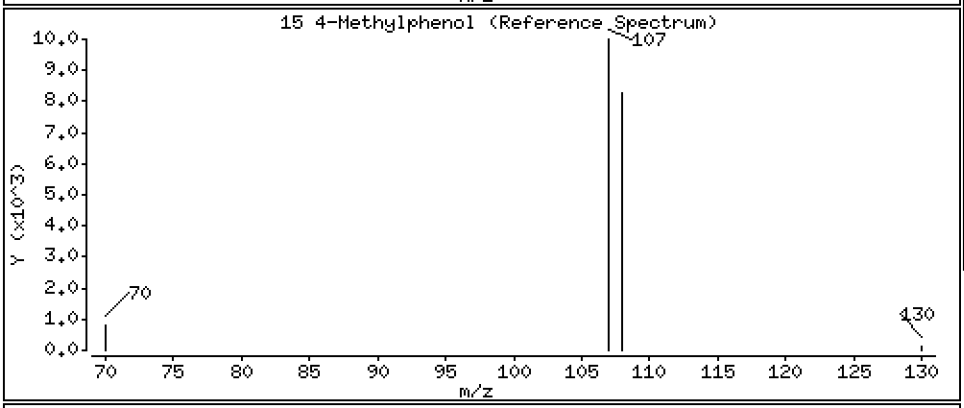
Concentration: 1.103 ug/mL

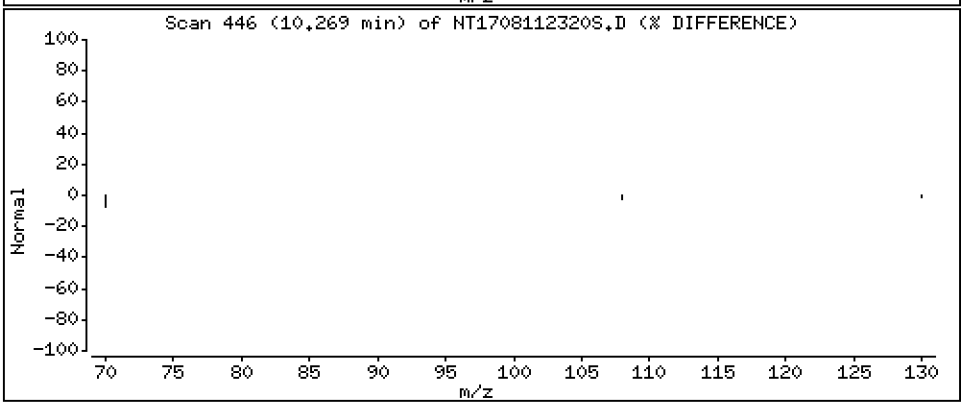












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Date : 12-AUG-2023 00:02

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

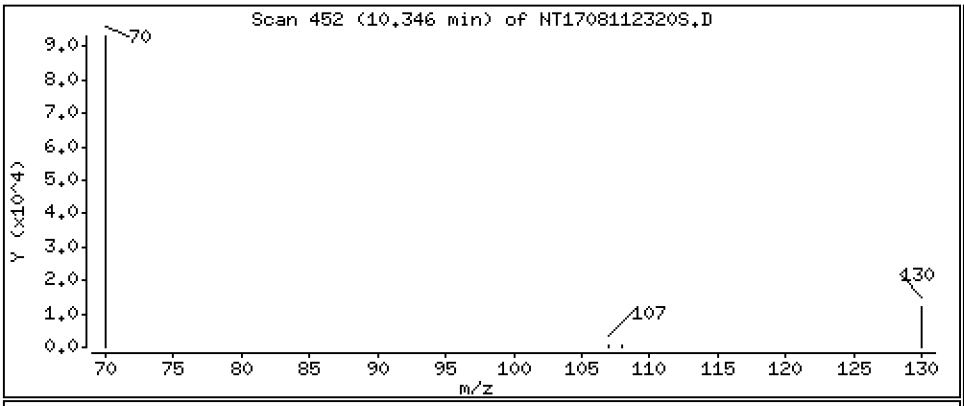
Operator: YZ

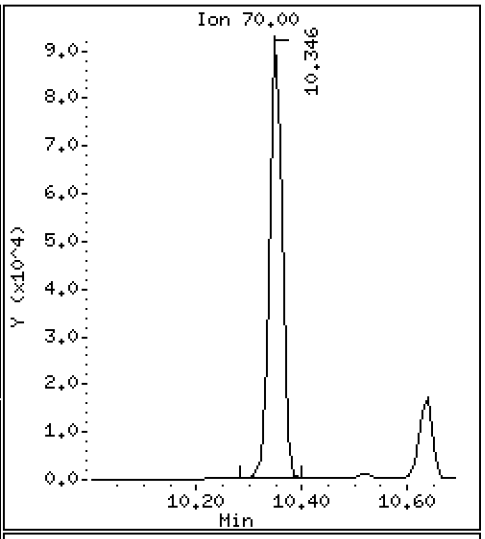
Column phase: ZB-5msi

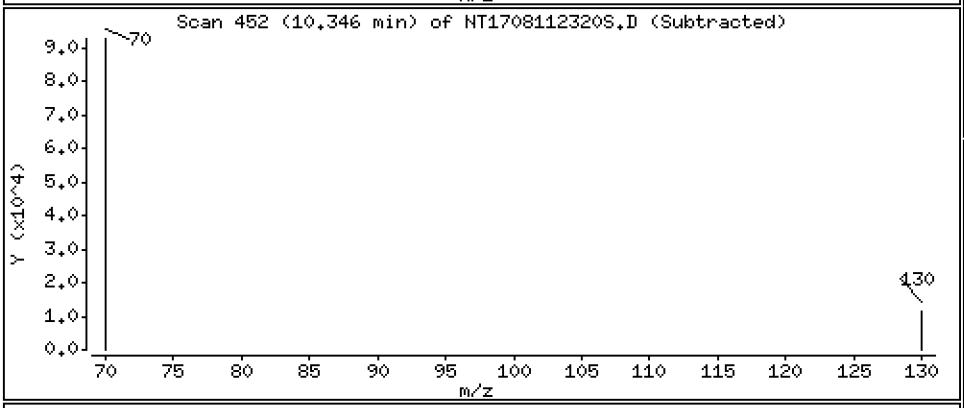
Column diameter: 0.25

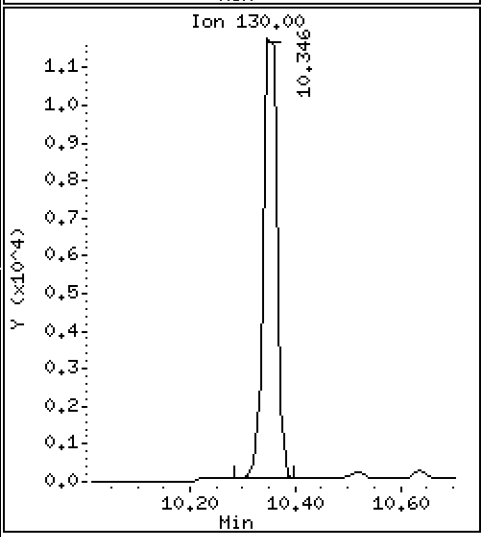
16 N-Nitroso-di-n-propylamine

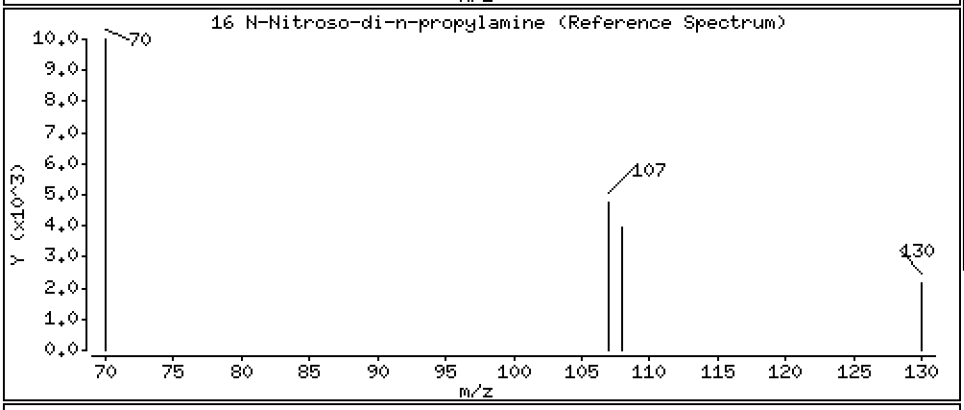
Concentration: 1.267 ug/mL

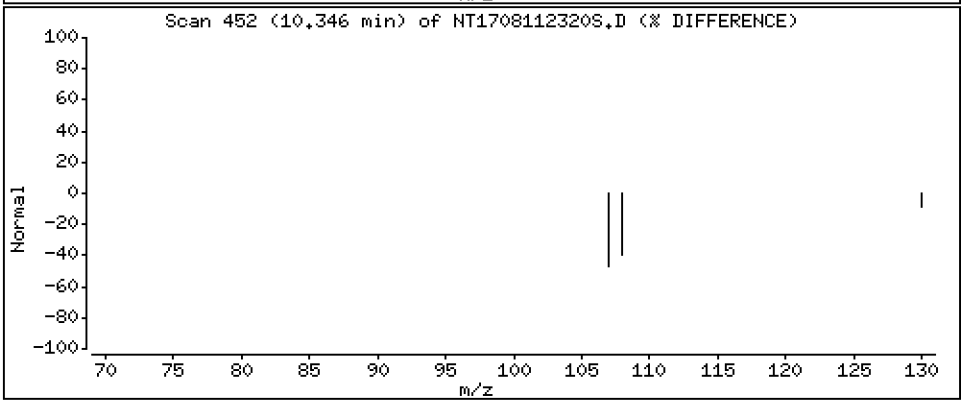












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Date : 12-AUG-2023 00:02

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

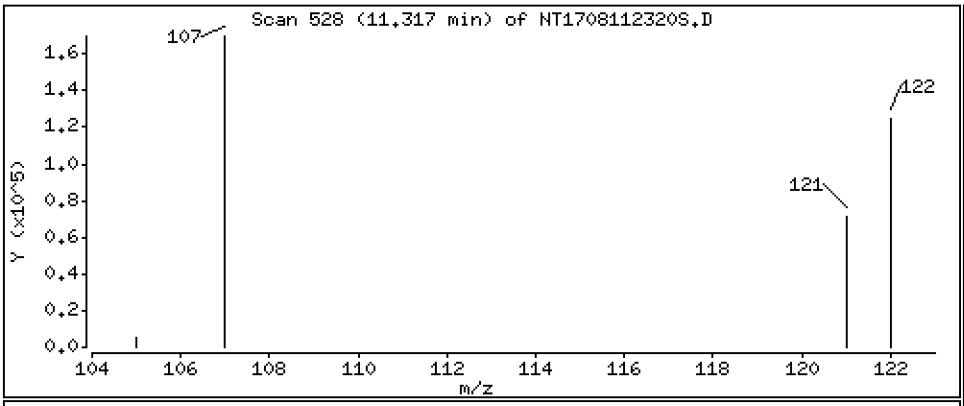
Operator: YZ

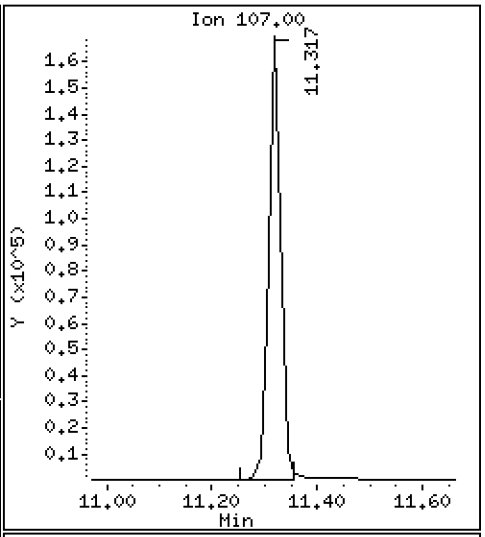
Column phase: ZB-5msi

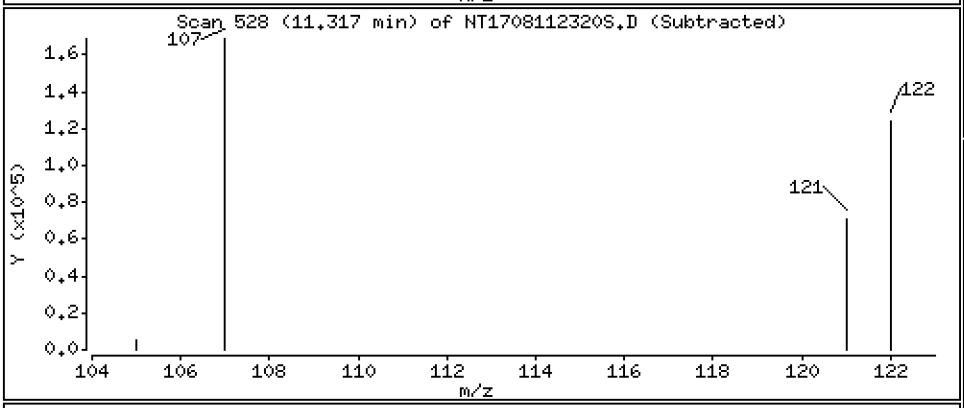
Column diameter: 0.25

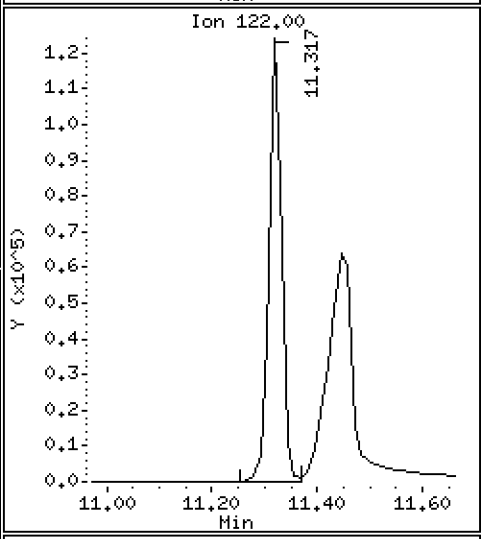
22 2,4-Dimethylphenol

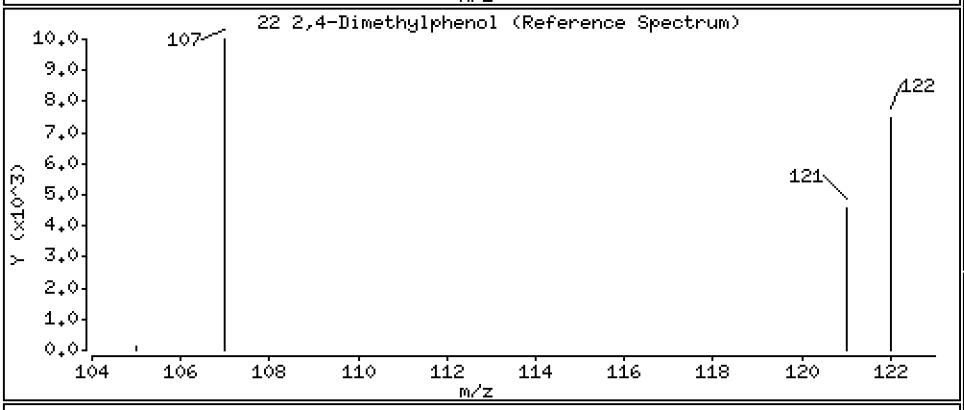
Concentration: 2.219 ug/mL

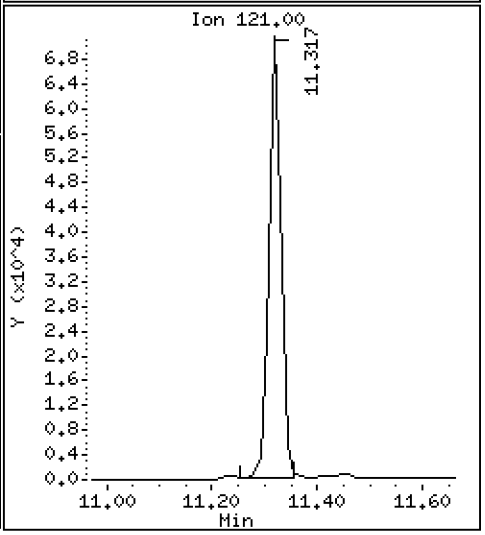


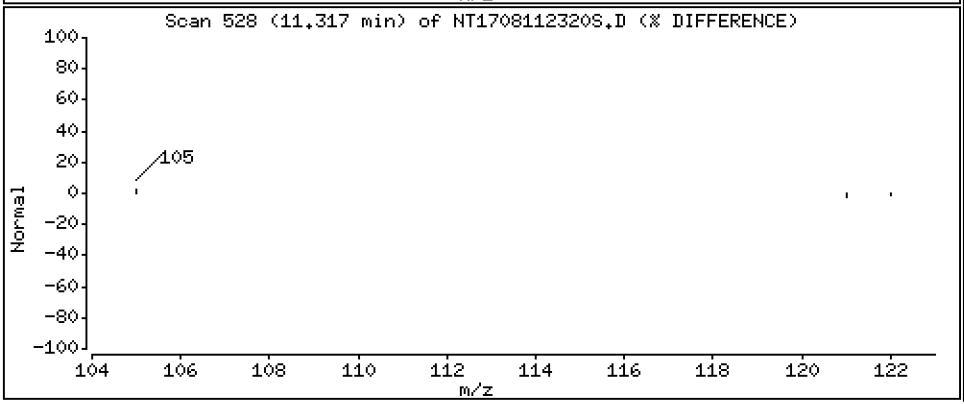












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Date : 12-AUG-2023 00:02

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

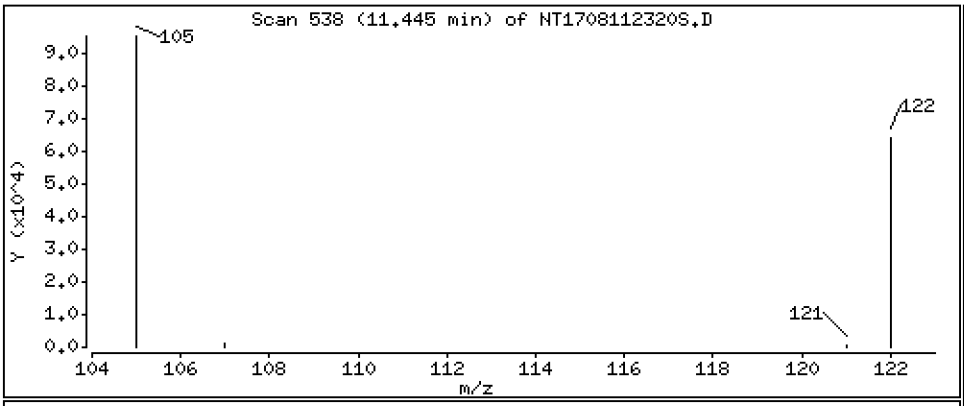
Operator: YZ

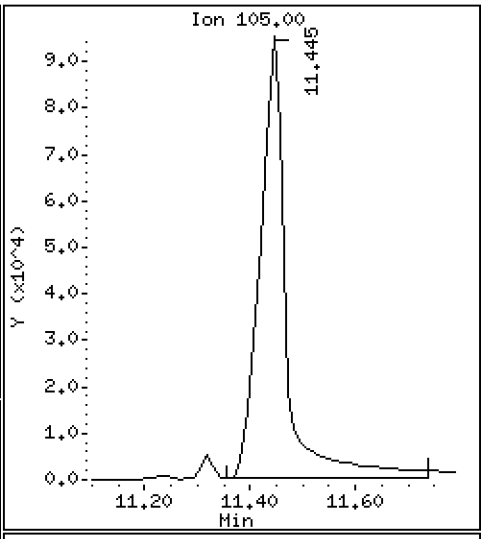
Column phase: ZB-5msi

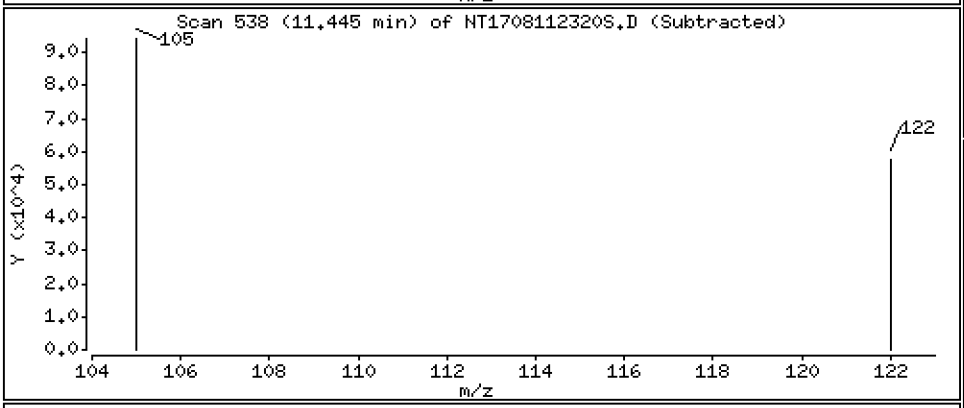
Column diameter: 0.25

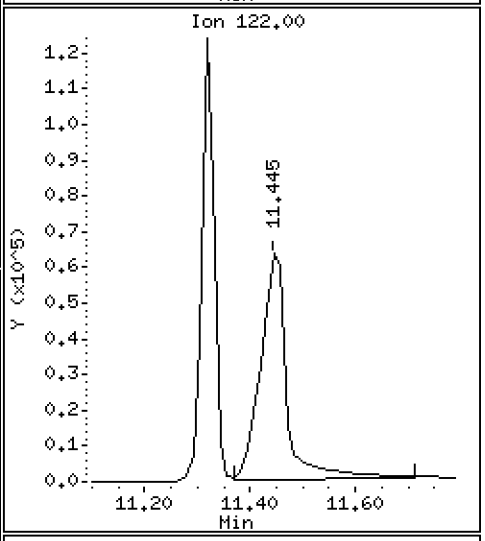
24 Benzoic acid

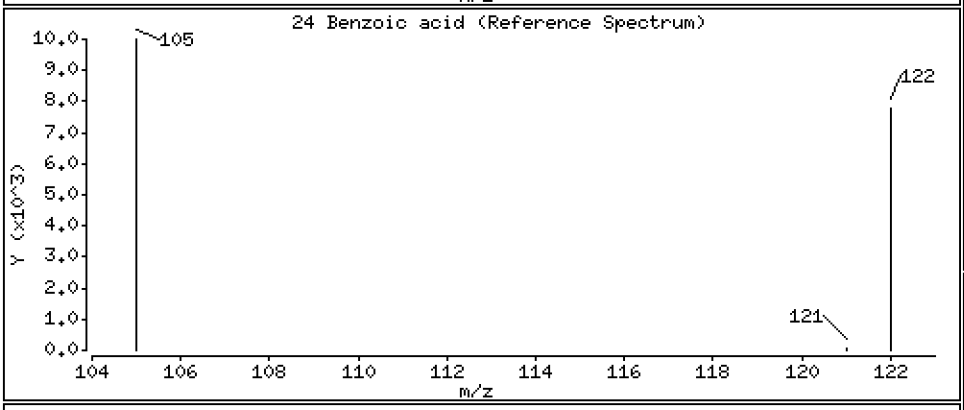
Concentration: 4.171 ug/mL

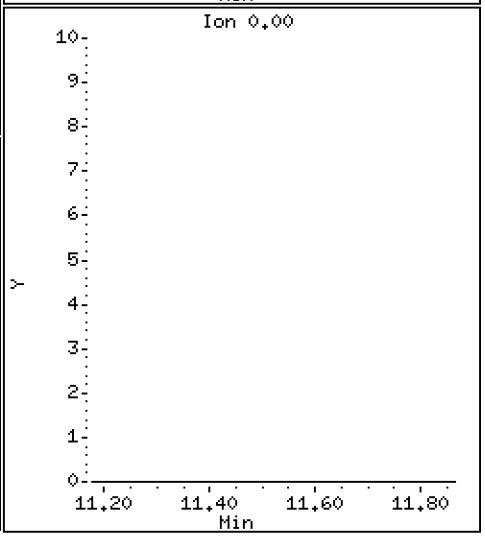


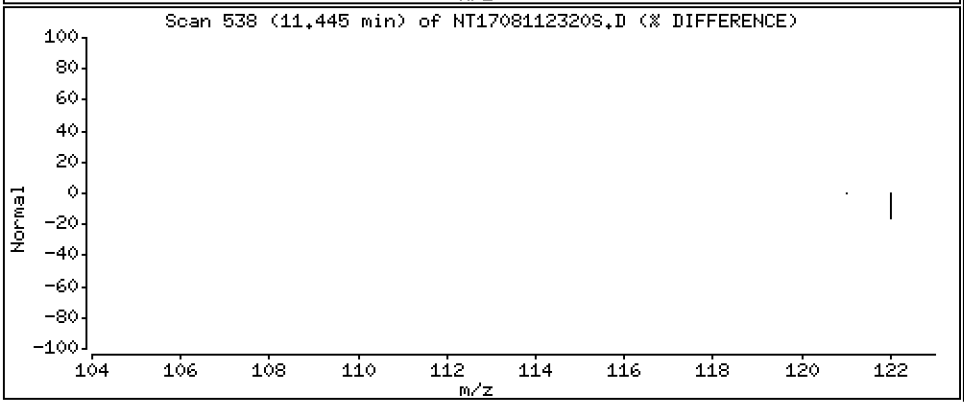












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Date : 12-AUG-2023 00:02

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

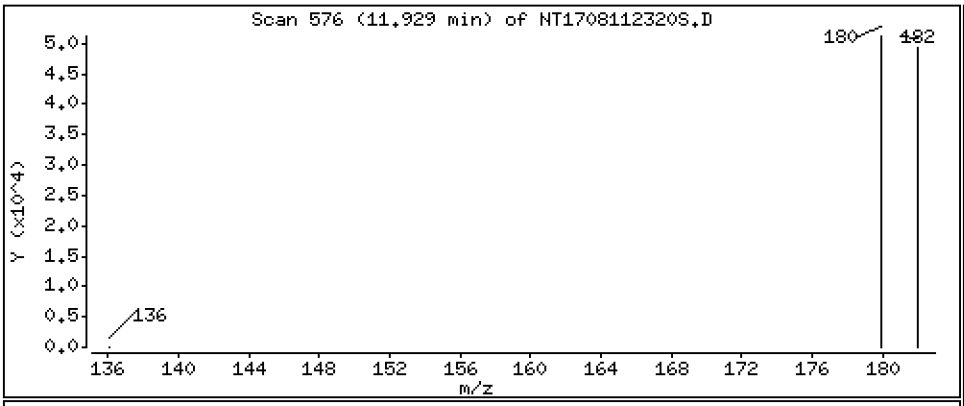
Operator: YZ

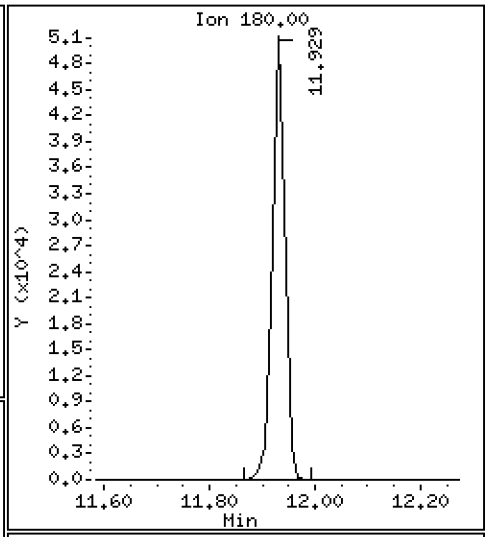
Column phase: ZB-5msi

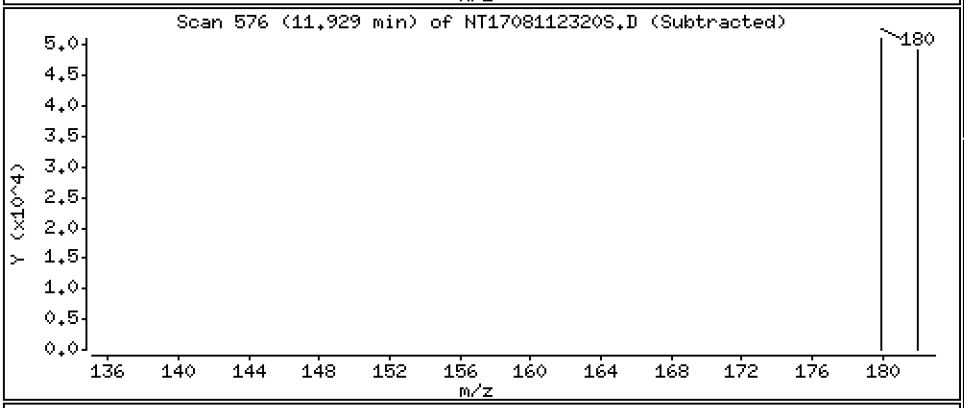
Column diameter: 0.25

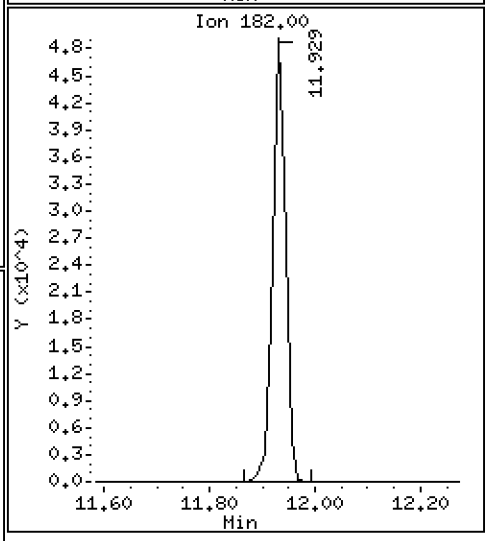
26 1,2,4-Trichlorobenzene

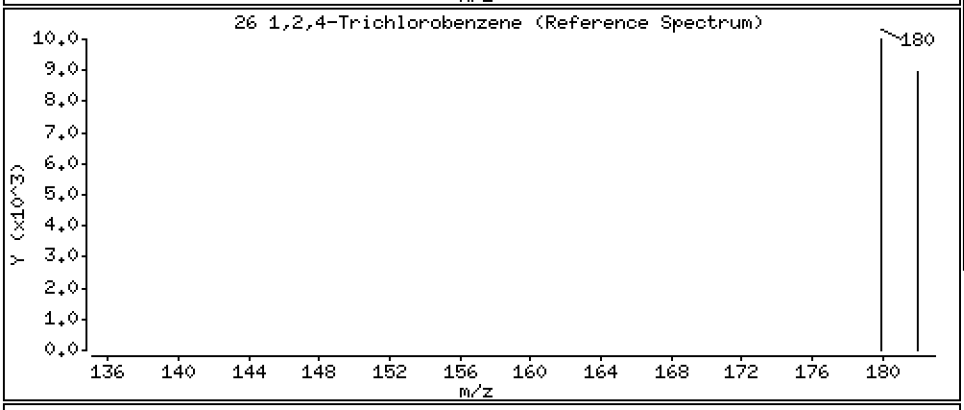
Concentration: 1.028 ug/mL

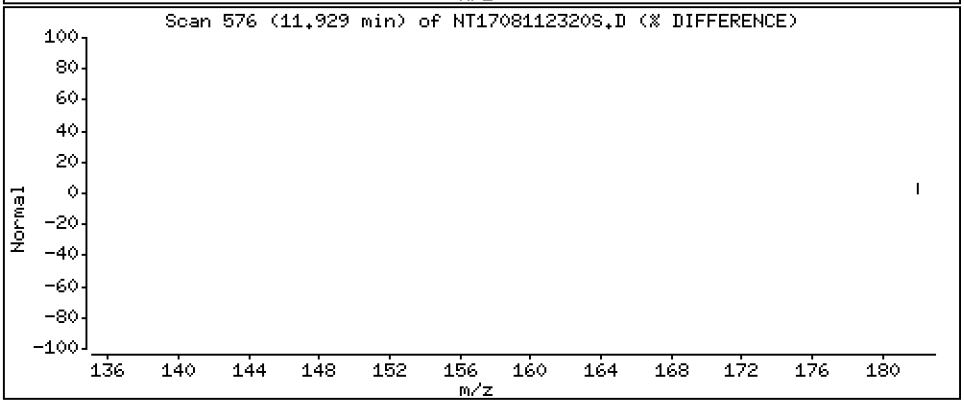












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Date : 12-AUG-2023 00:02

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

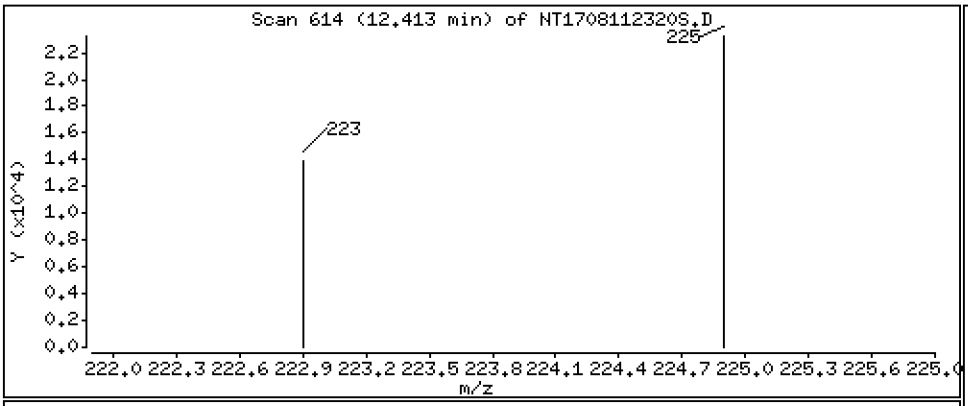
Operator: YZ

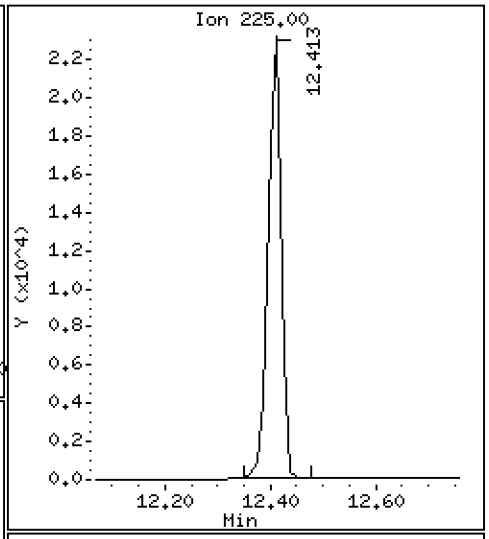
Column phase: ZB-5msi

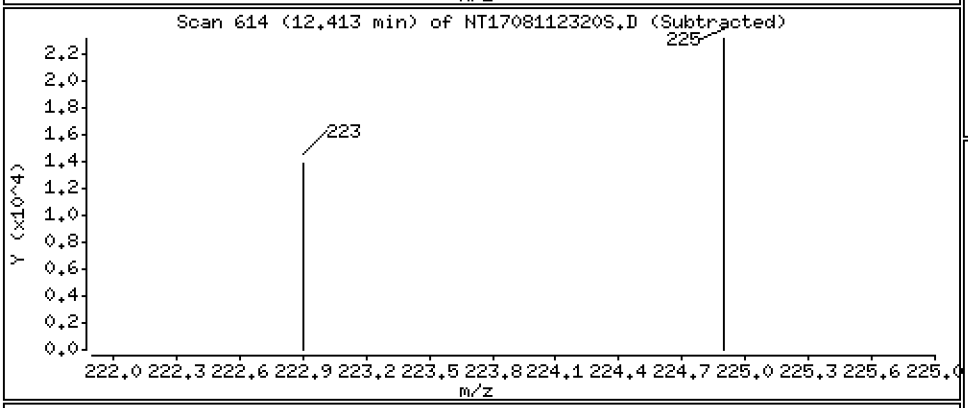
Column diameter: 0.25

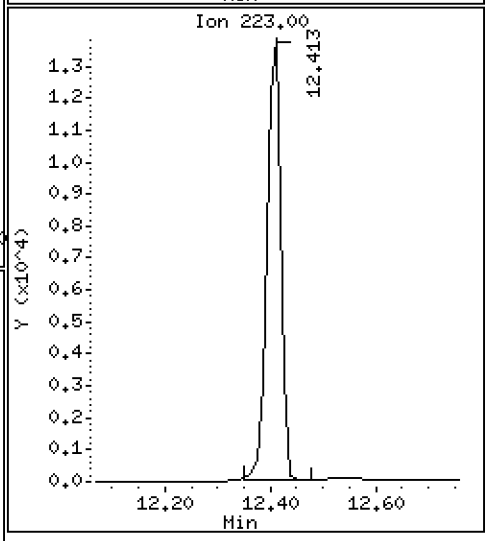
30 Hexachlorobutadiene

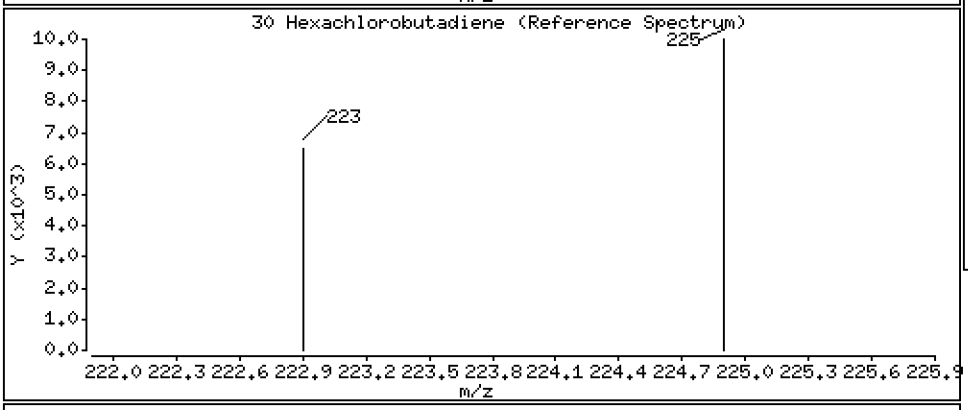
Concentration: 1.031 ug/mL

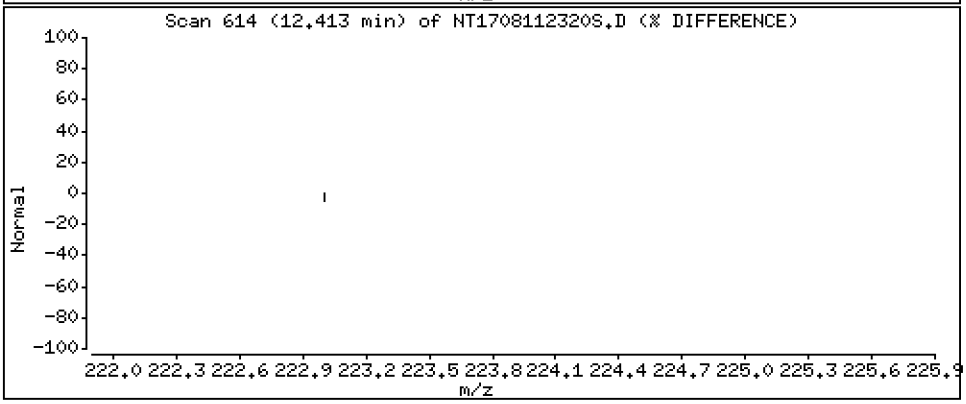












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Date : 12-AUG-2023 00:02

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

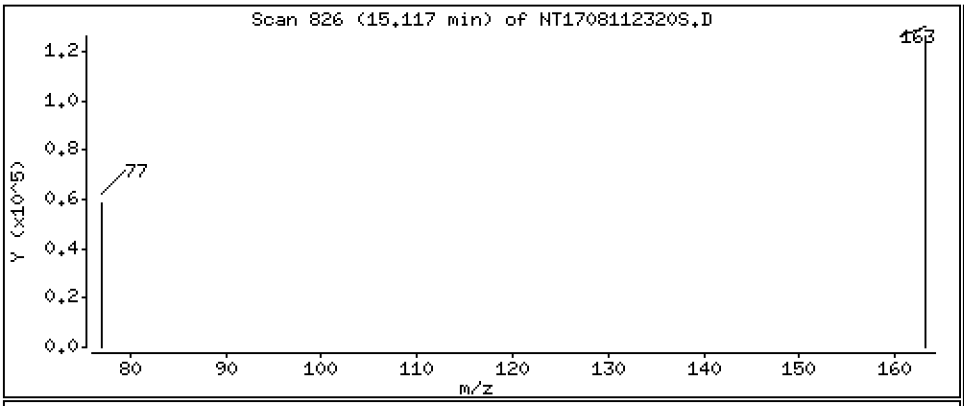
Operator: YZ

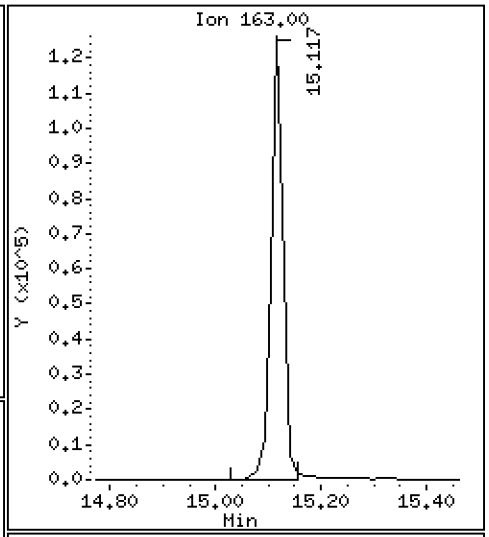
Column phase: ZB-5msi

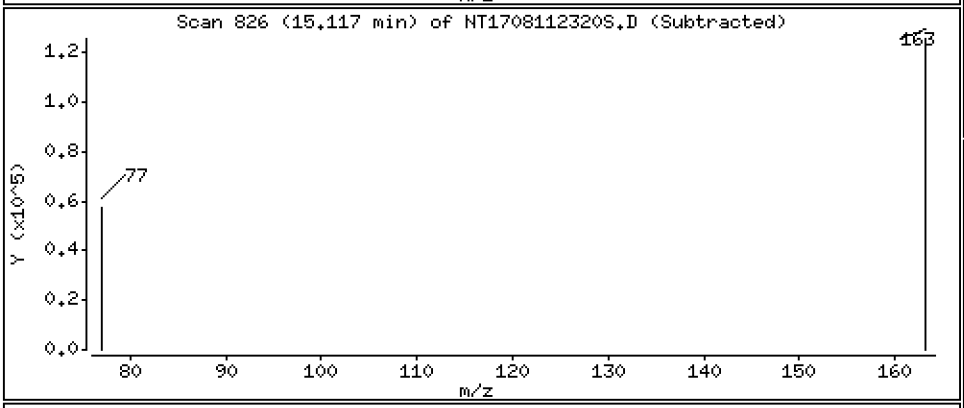
Column diameter: 0.25

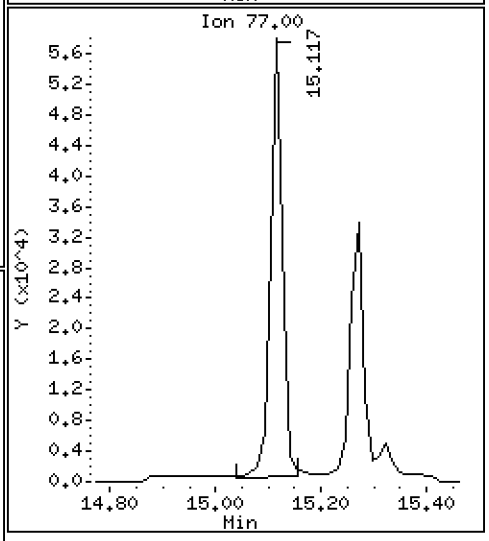
39 Dimethylphthalate

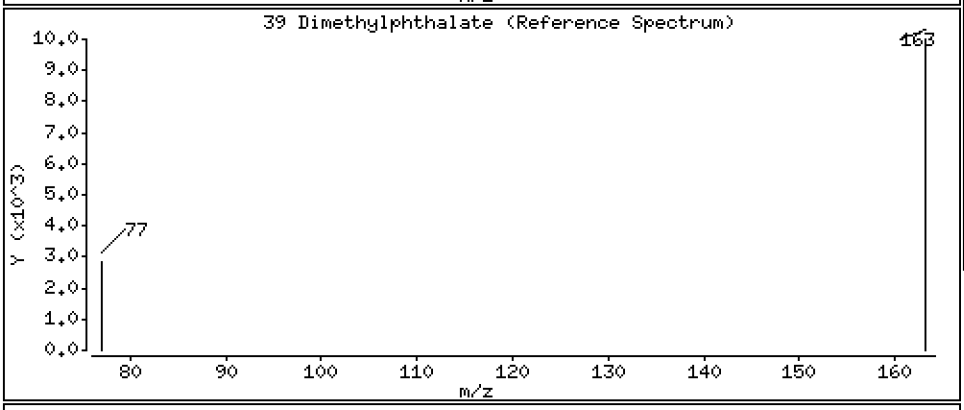
Concentration: 1.162 ug/mL

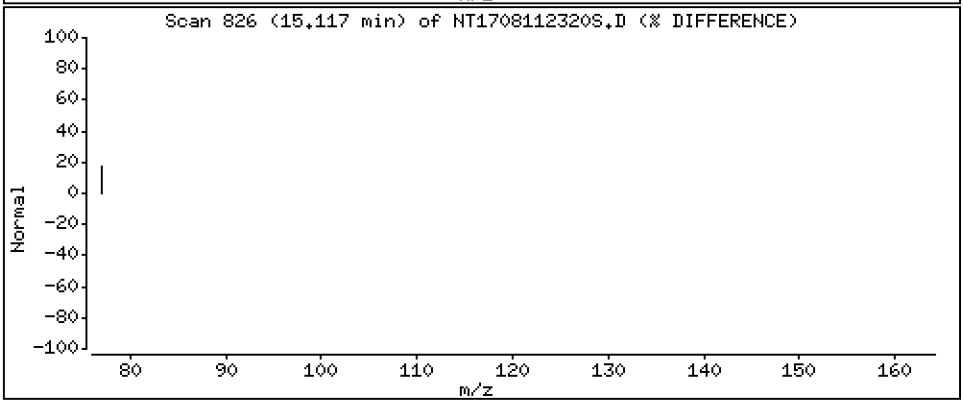












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Date : 12-AUG-2023 00:02

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

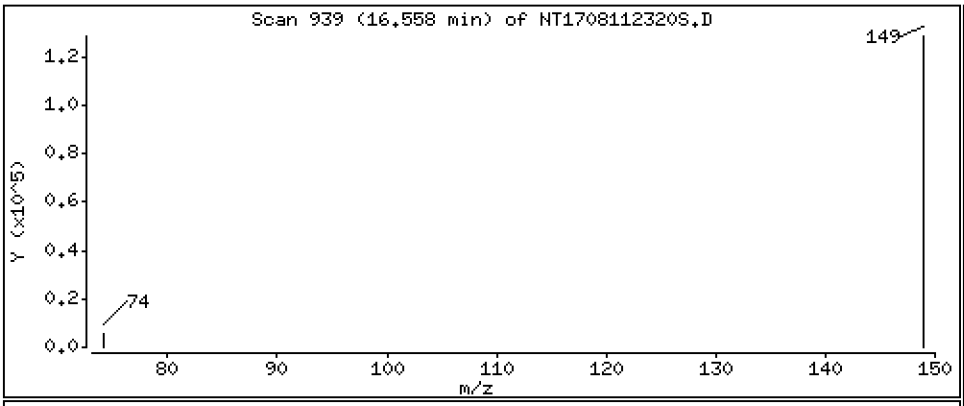
Operator: YZ

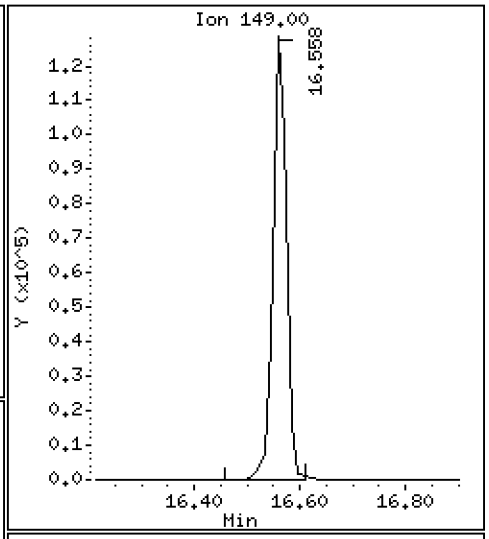
Column phase: ZB-5msi

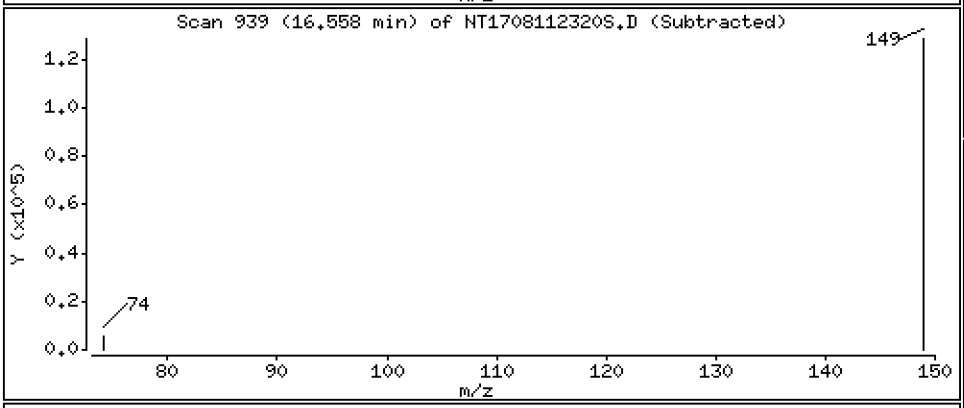
Column diameter: 0.25

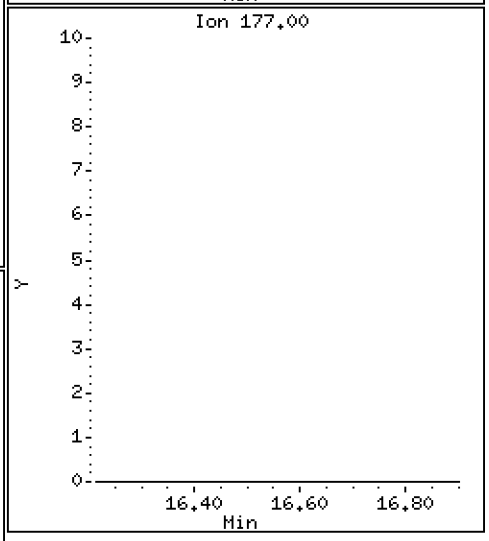
50 Diethylphthalate

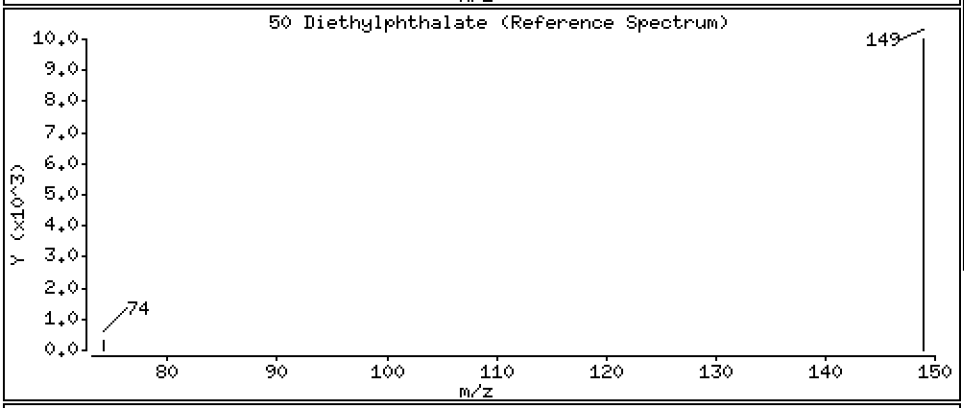
Concentration: 1.254 ug/mL

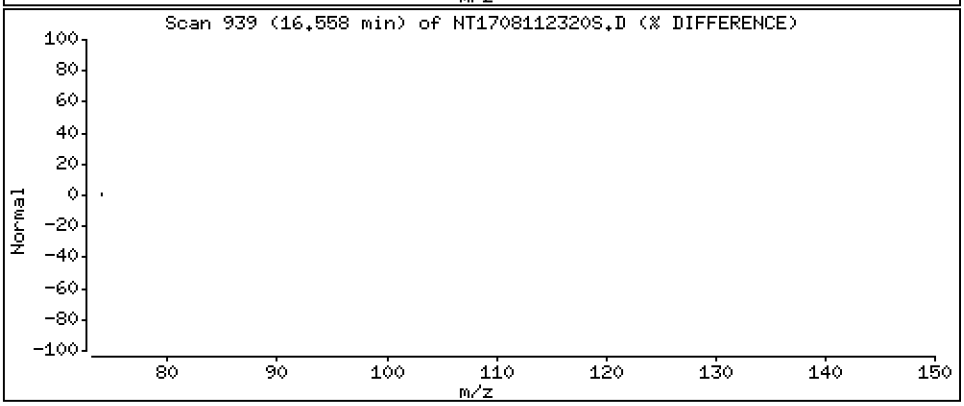












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Date : 12-AUG-2023 00:02

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

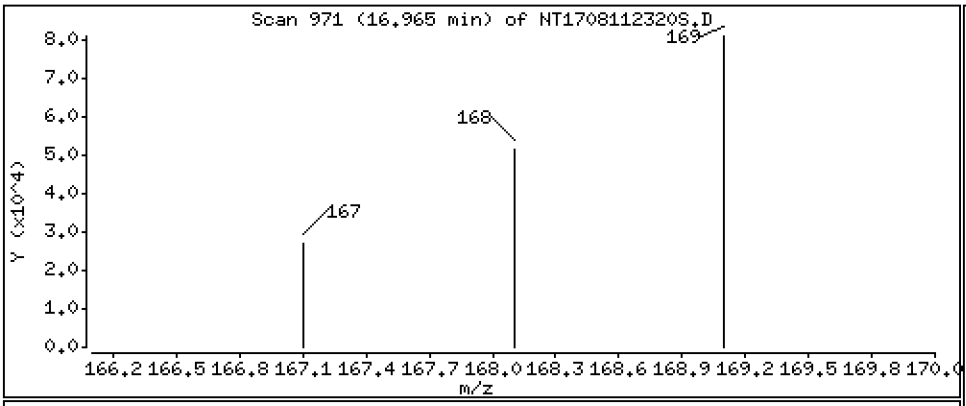
Operator: YZ

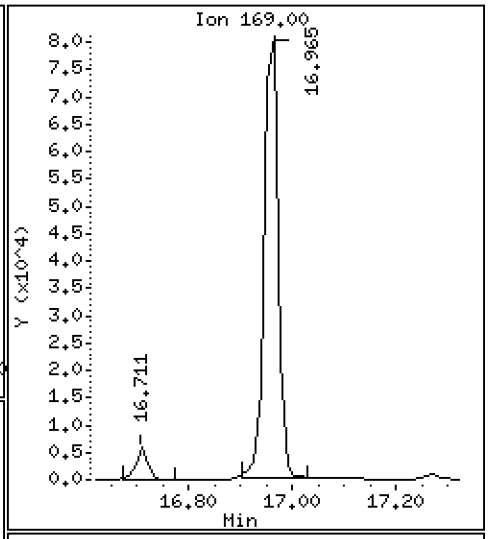
Column phase: ZB-5msi

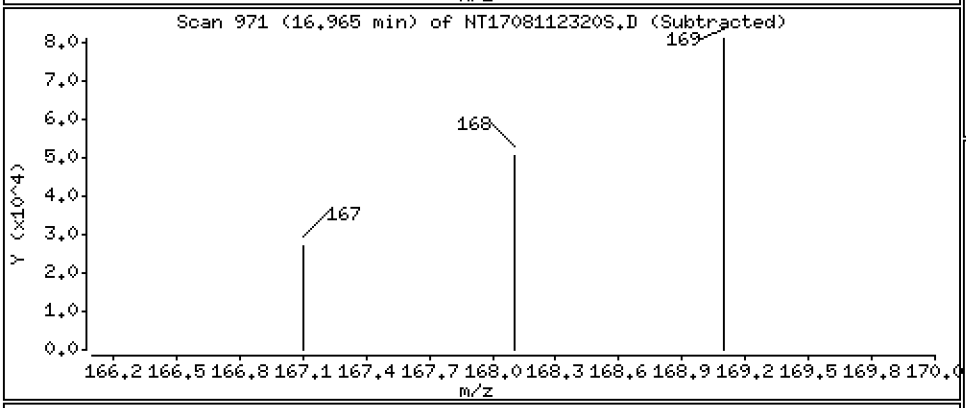
Column diameter: 0.25

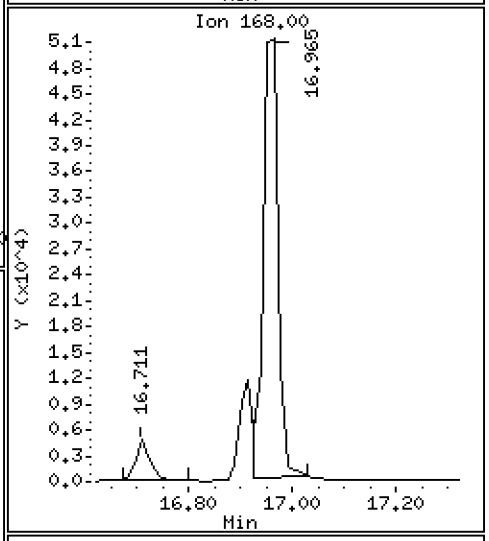
54 N-Nitrosodiphenylamine

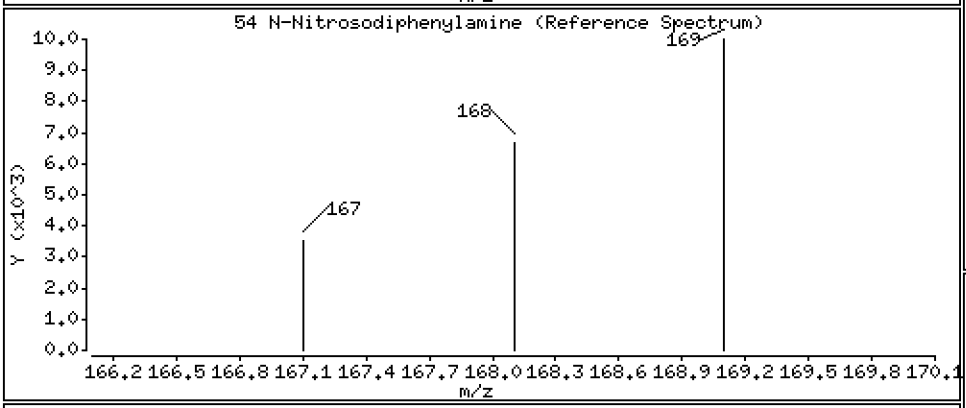
Concentration: 1.207 ug/mL

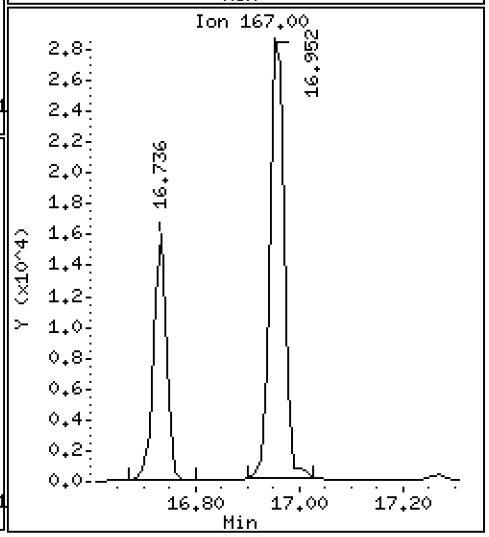


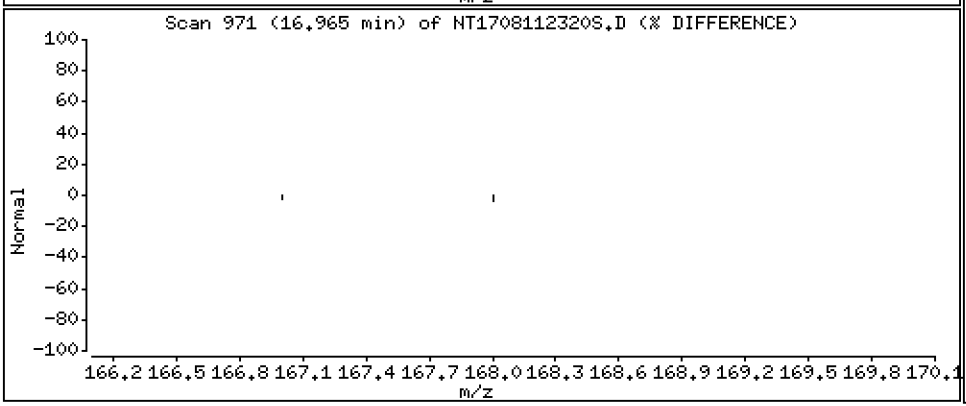












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Date : 12-AUG-2023 00:02

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

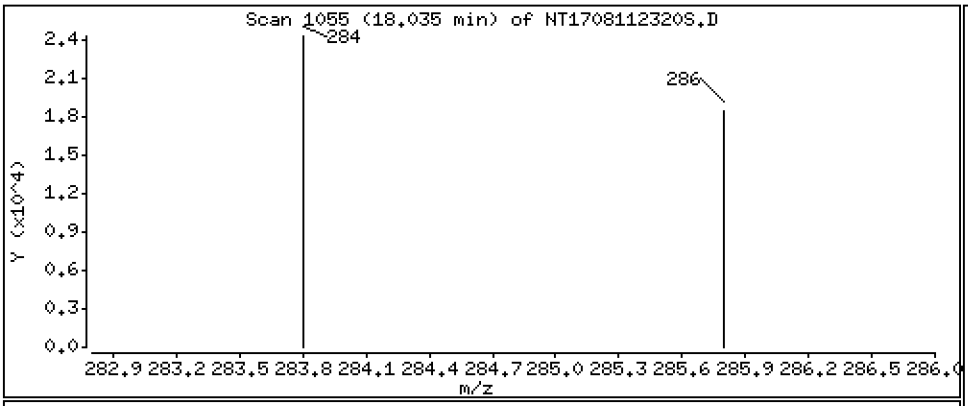
Operator: YZ

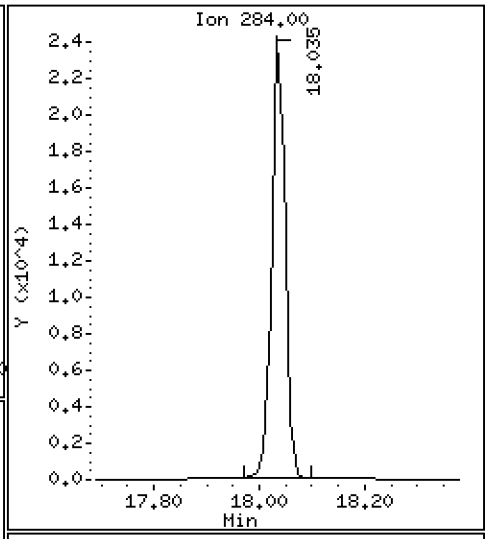
Column phase: ZB-5msi

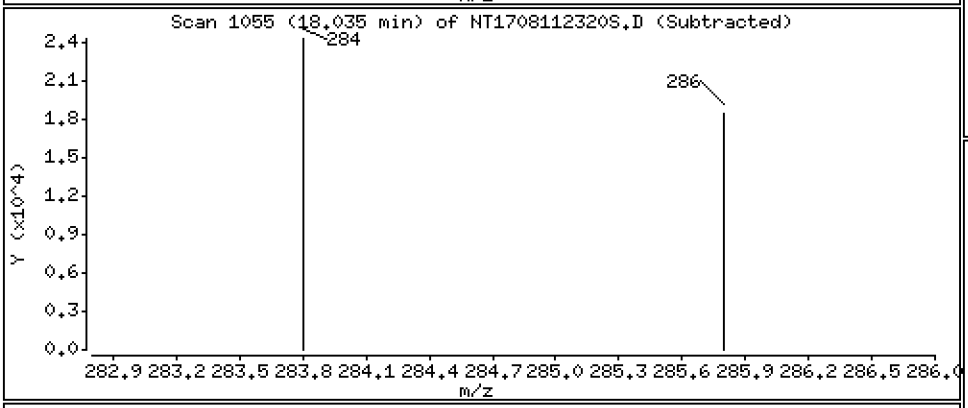
Column diameter: 0.25

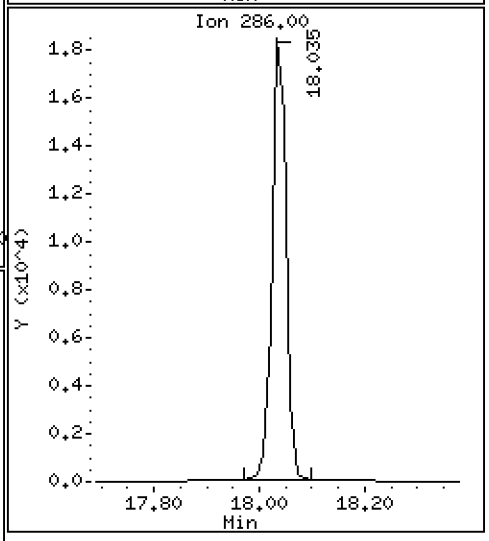
57 Hexachlorobenzene

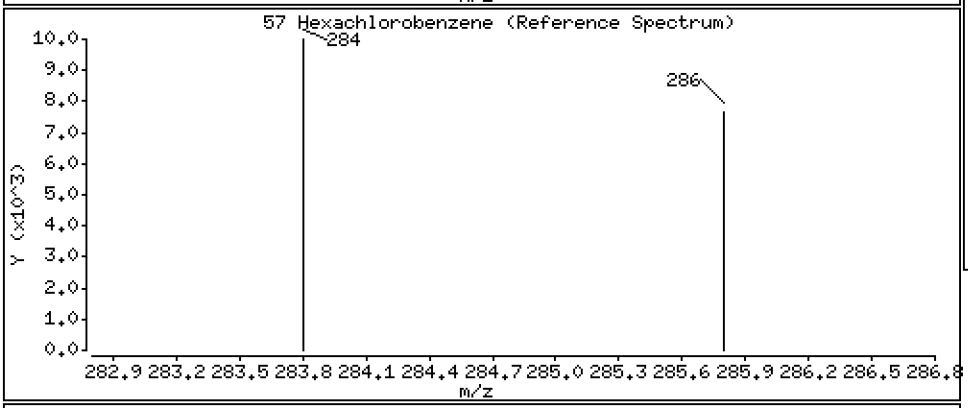
Concentration: 1.053 ug/mL

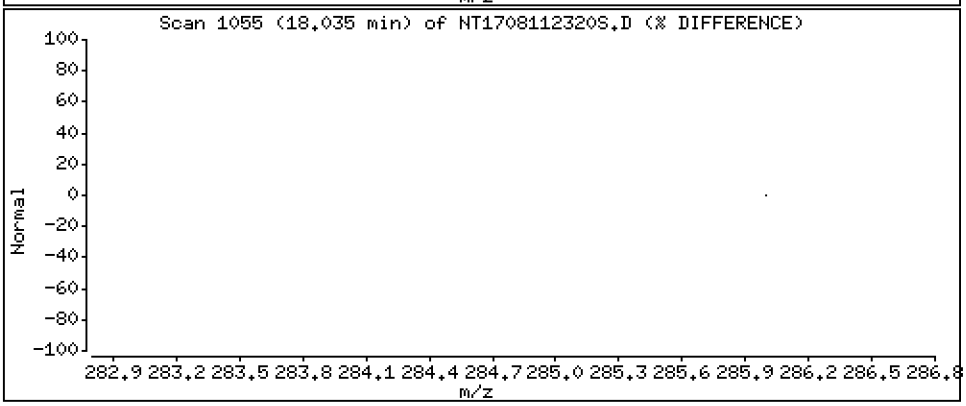












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Date : 12-AUG-2023 00:02

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

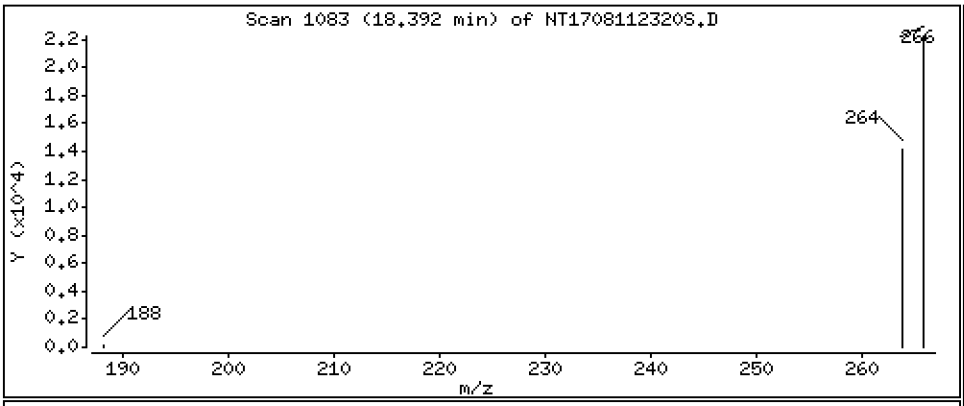
Operator: YZ

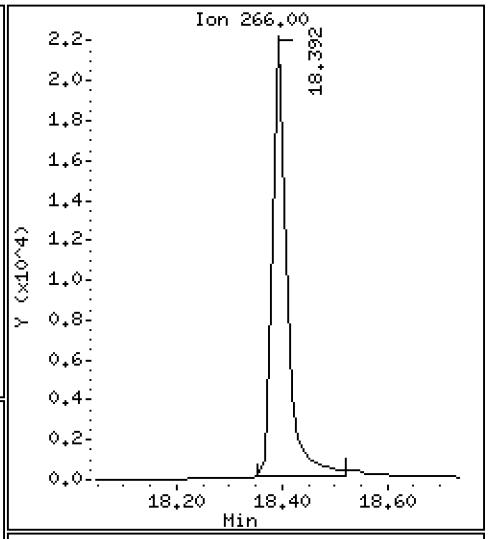
Column phase: ZB-5msi

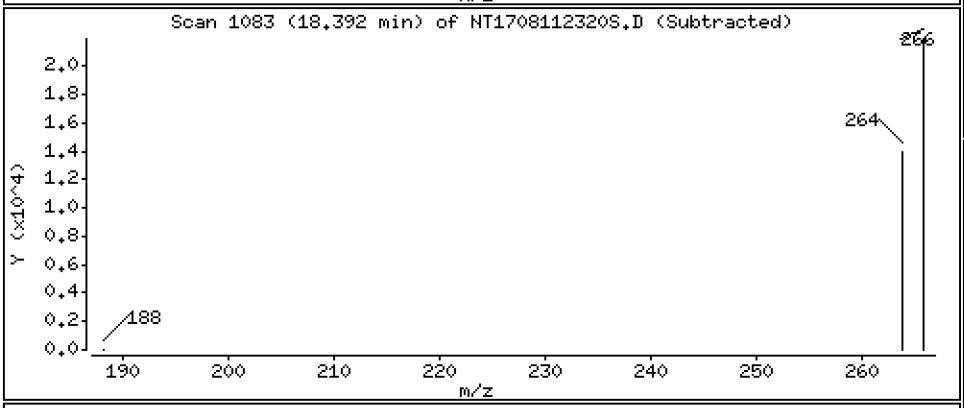
Column diameter: 0.25

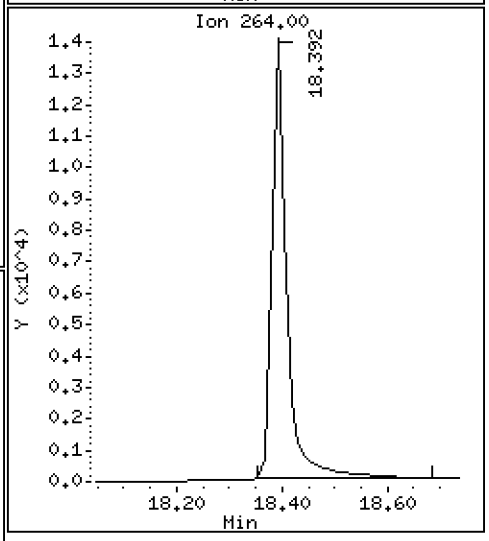
58 Pentachlorophenol

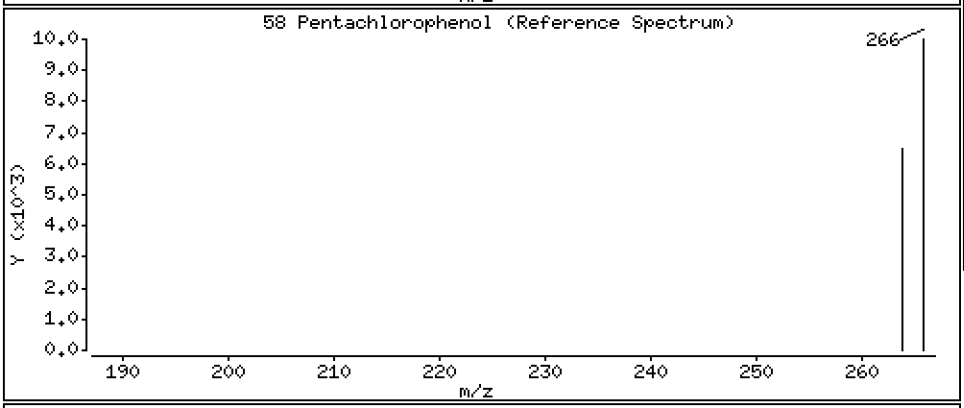
Concentration: 1.534 ug/mL

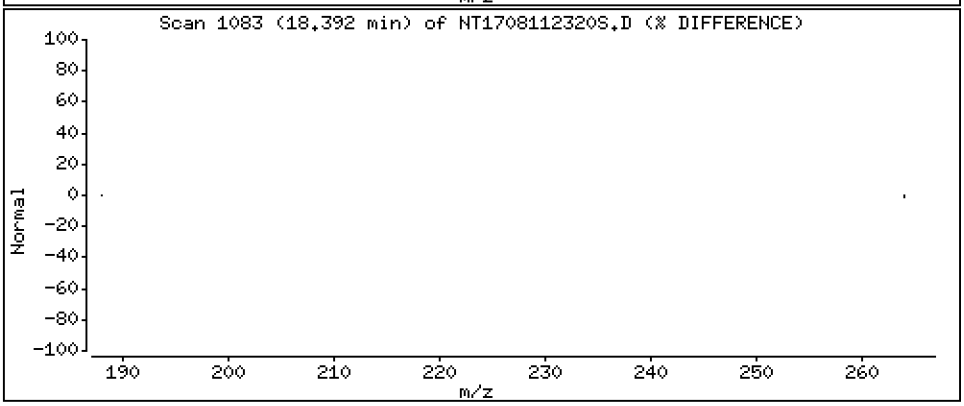












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Date : 12-AUG-2023 00:02

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

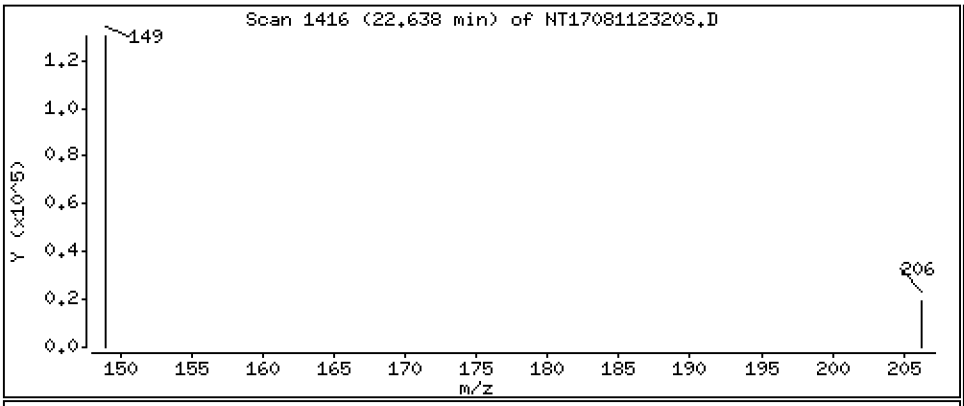
Operator: YZ

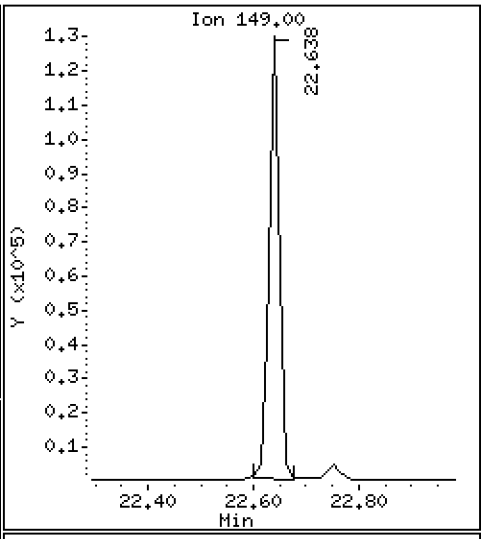
Column phase: ZB-5msi

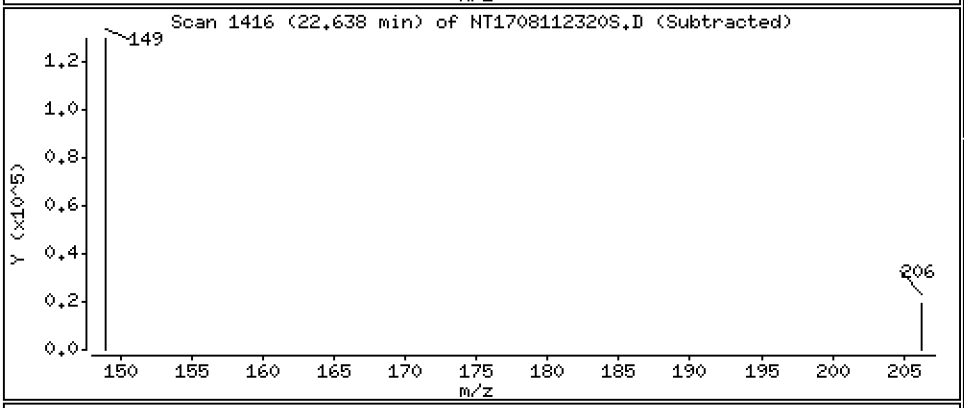
Column diameter: 0.25

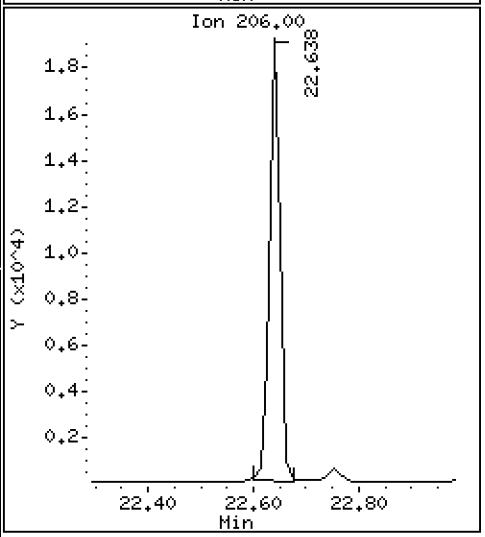
67 Butylbenzylphthalate

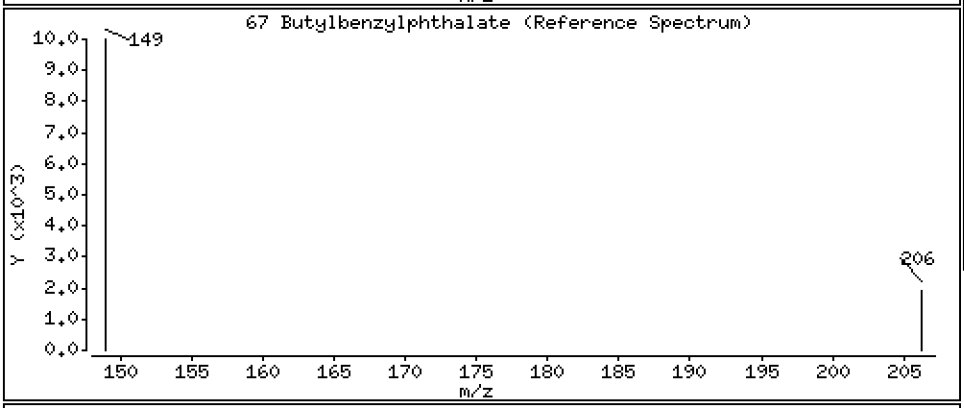
Concentration: 1.152 ug/mL

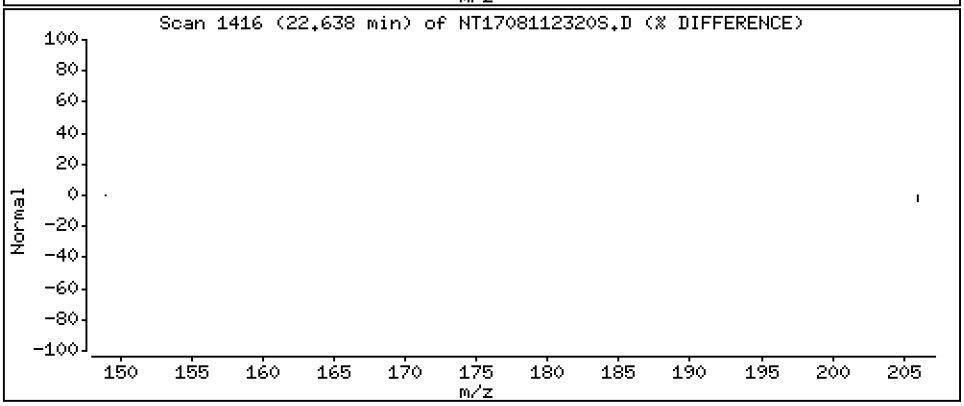












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Date : 12-AUG-2023 00:02

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

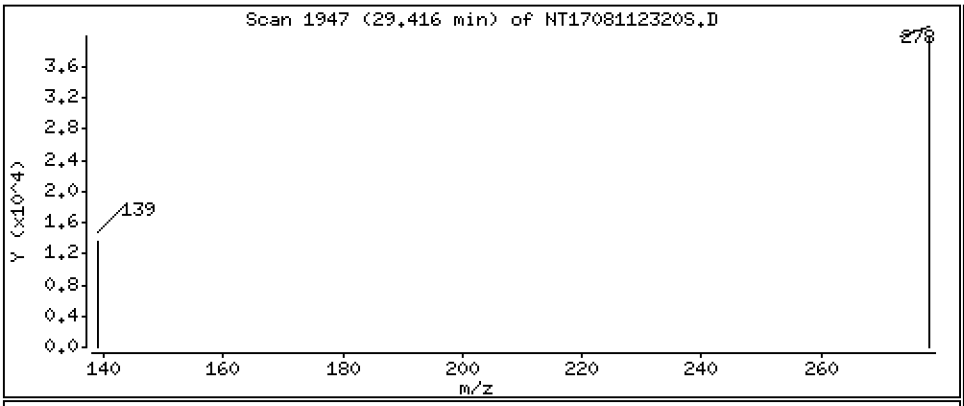
Operator: YZ

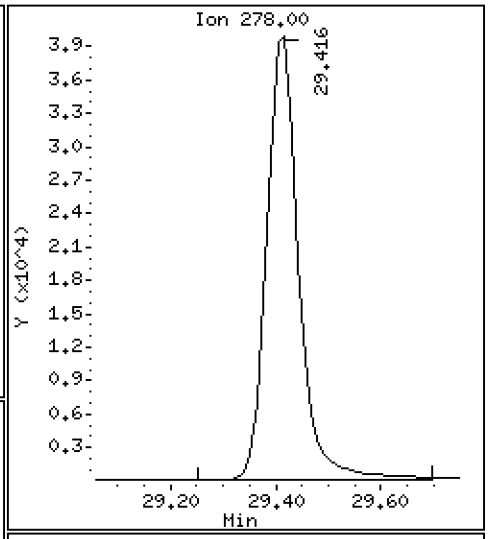
Column phase: ZB-5msi

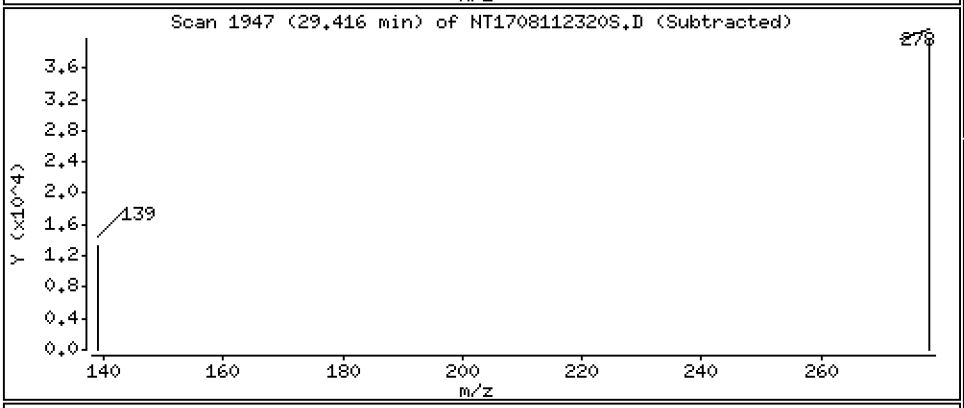
Column diameter: 0.25

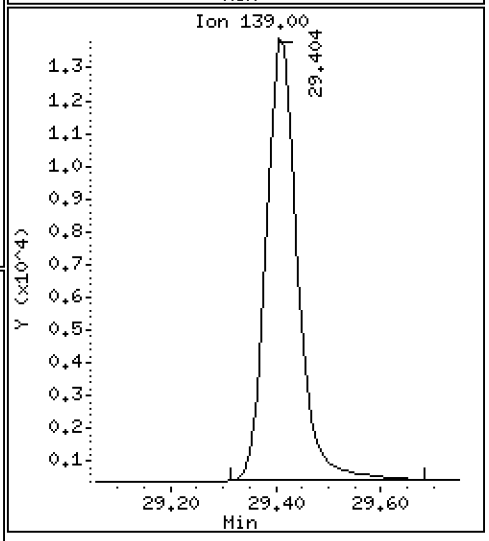
79 Dibenzo(a,h)anthracene

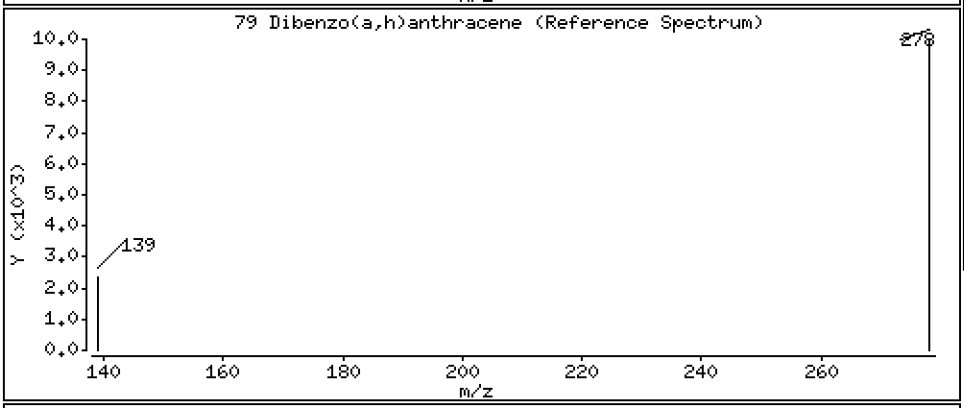
Concentration: 0.9445 ug/mL

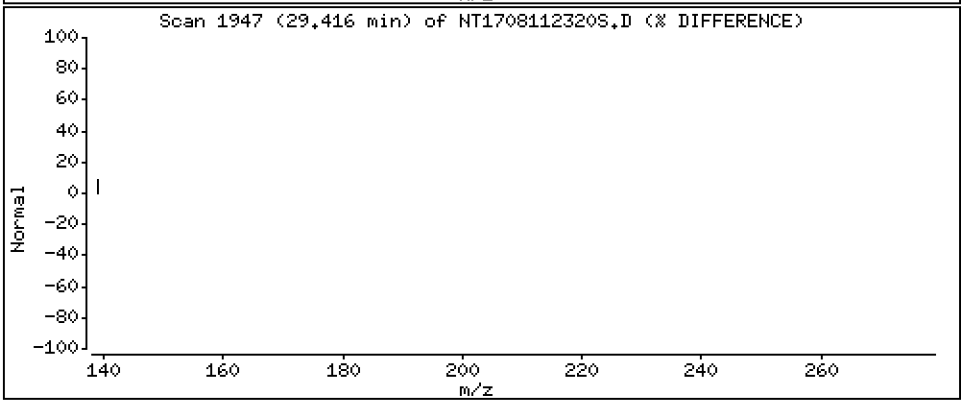












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Date : 12-AUG-2023 00:02

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

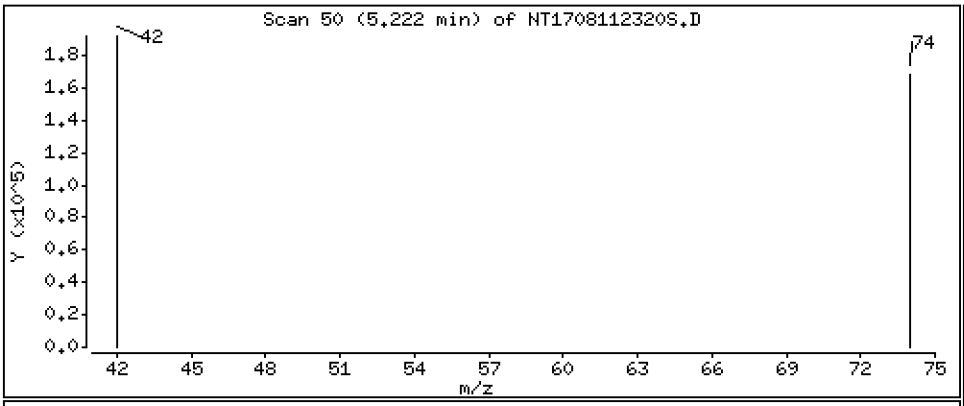
Operator: YZ

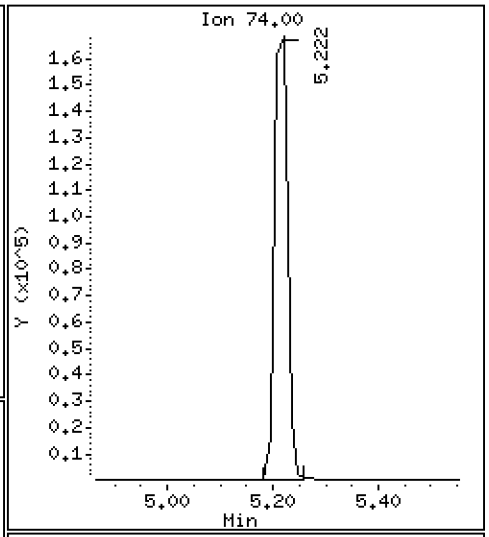
Column phase: ZB-5msi

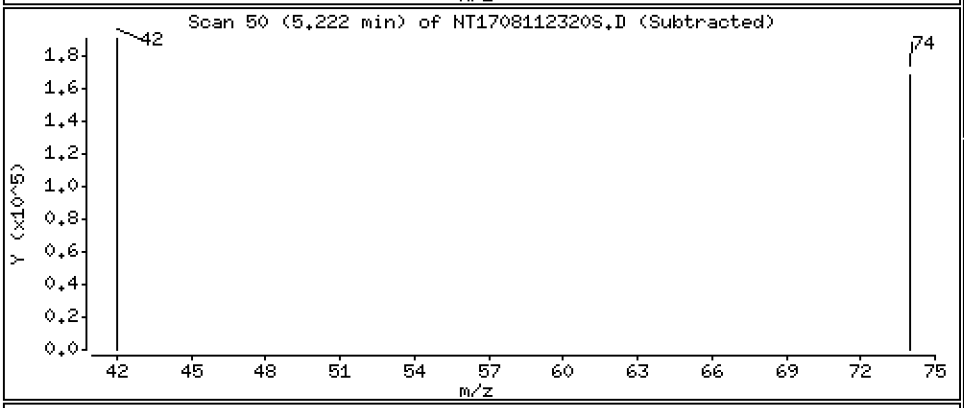
Column diameter: 0.25

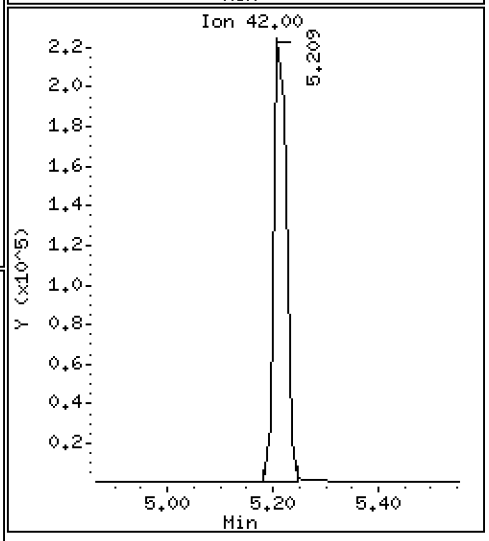
90 N-Nitrosodimethylamine

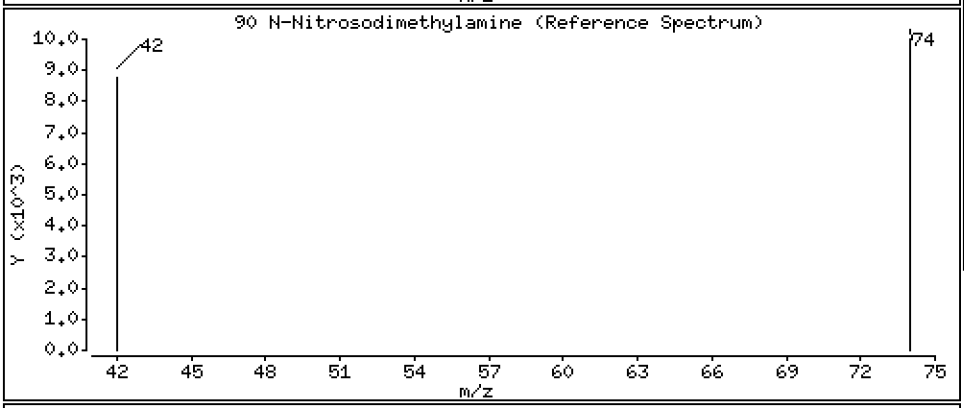
Concentration: 2.238 ug/mL

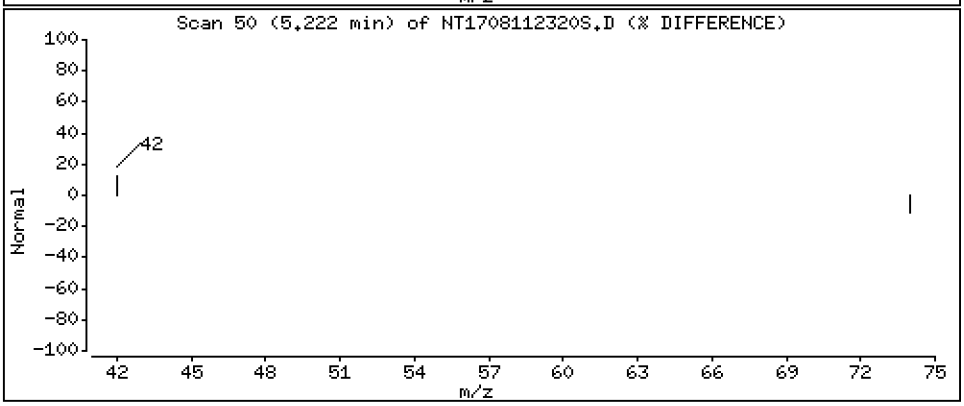












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230811.b\SIM.b\NT1708112320S.D
Lab Smp Id: SEQ-CCV2
Inj Date : 12-AUG-2023 00:02
Operator : YZ Inst ID: nt17.i
Smp Info : SEQ-CCV2
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230811.b\SIM.b\SIMABN2.m
Meth Date : 16-Aug-2023 08:42 jrains Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

								CONCENTRATIONS	
		QUANT SIG						ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE		(ug/mL)	(ug/mL)
$	1 2-Fluorophenol	112	7.311	7.298	(0.766)	215996		1.73777	1.738(R)
	3 Phenol	94	8.890	8.891	(0.932)	204577		1.07970	1.080
	7 1,3-Dichlorobenzene	146	9.477	9.477	(0.993)	133772		1.04375	1.044
*	8 1,4-Dichlorobenzene-d4	152	9.541	9.541	(1.000)	299345		4.00000	
	9 1,4-Dichlorobenzene	146	9.566	9.566	(1.003)	127503		1.02797	1.028
	11 Benzyl alcohol	79	9.796	9.796	(1.027)	145918		1.11267	1.113
	12 1,2-Dichlorobenzene	146	9.924	9.924	(1.040)	125612		1.04401	1.044
	13 2-Methylphenol	108	10.001	10.001	(1.048)	128170		1.11560	1.116
	15 4-Methylphenol	108	10.269	10.269	(1.076)	132471		1.10320	1.103
	16 N-Nitroso-di-n-propylamine	70	10.346	10.346	(1.084)	155621		1.26734	1.267
	22 2,4-Dimethylphenol	107	11.316	11.316	(0.942)	268415		2.21895	2.219
	24 Benzoic acid	105	11.444	11.444	(0.952)	335632		4.17084	4.171
	26 1,2,4-Trichlorobenzene	180	11.929	11.929	(0.993)	84973		1.02811	1.028
*	27 Naphthalene-d8	136	12.018	12.018	(1.000)	1205612		4.00000	
	30 Hexachlorobutadiene	225	12.413	12.413	(1.033)	39916		1.03127	1.031
	39 Dimethylphthalate	163	15.117	15.117	(0.967)	204168		1.16227	1.162
*	42 Acenaphthene-d10	162	15.627	15.627	(1.000)	540469		4.00000	
	50 Diethylphthalate	149	16.557	16.557	(1.060)	229041		1.25398	1.254
	54 N-Nitrosodiphenylamine	169	16.965	16.965	(0.909)	150985		1.20693	1.207
	57 Hexachlorobenzene	284	18.034	18.034	(0.967)	43140		1.05254	1.053
	58 Pentachlorophenol	266	18.391	18.391	(0.986)	42661		1.53381	1.534
*	59 Phenanthrene-d10	188	18.659	18.659	(1.000)	870160		4.00000	
$	66 Terphenyl-d14	244	21.745	21.745	(0.920)	95623		1.15789	1.158(R)
	67 Butylbenzylphthalate	149	22.638	22.638	(0.957)	182412		1.15190	1.152
*	69 Chrysene-d12	240	23.646	23.646	(1.000)	596779		4.00000	
*	77 Perylene-d12	264	26.452	26.452	(1.000)	597182		4.00000	
	79 Dibenzo(a,h)anthracene	278	29.416	29.403	(1.112)	166592		0.94447	0.9445
	90 N-Nitrosodimethylamine	74	5.221	5.209	(0.547)	283107		2.23844	2.238

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i
Lab File ID: NT1708112320S.D
Lab Smp Id: SEQ-CCV2
Analysis Type: SV
Quant Type: ISTD
Operator: YZ
Method File: \\target\share\chem3\nt17.i\20230811.b\SIM.b\SIMABN2.m
Misc Info:

Calibration Date: 11-AUG-2023
Calibration Time: 13:27
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	295324	147662	590648	299345	1.36
27 Naphthalene-d8	1172715	586358	2345430	1205612	2.81
42 Acenaphthene-d10	521273	260637	1042546	540469	3.68
59 Phenanthrene-d10	837823	418912	1675646	870160	3.86
69 Chrysene-d12	615517	307759	1231034	596779	-3.04
77 Perylene-d12	594634	297317	1189268	597182	0.43

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.54	9.04	10.04	9.54	-0.00
27 Naphthalene-d8	12.02	11.52	12.52	12.02	-0.00
42 Acenaphthene-d10	15.63	15.13	16.13	15.63	-0.00
59 Phenanthrene-d10	18.66	18.16	19.16	18.66	-0.00
69 Chrysene-d12	23.65	23.15	24.15	23.65	-0.00
77 Perylene-d12	26.45	25.95	26.95	26.45	-0.00

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

REVIEW SUMMARY FOR FILE - NT1708112320S.D

Lab ID: SEQ-CCV2
nt17.i, 20230811.b\SIM.b\SIMABN2.m,   12-AUG-2023 00:02

RT	CO-ELUTION COMPOUNDS
NO CO-ELUTIONS	

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
NONE			

RRT check based on Ccal File: SIM.b/NT1708112303S.D

On Column LOD for nt17.i, SIM.b\SIMABN2.m, PSDDA.sub = 0.0000

Exception: 1,2,4-Trichlorobenzene 0.0010

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

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK

EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Instrument ID:	NT17	Calibration:	GH00045
Lab File ID:	NT1708172319S.D	Calibration Date:	08/10/2023
Sequence:	SLH0293	Injection Date:	08/18/23
Lab Sample ID:	SLH0293-CCV1	Injection Time:	07:12
Sequence Name:	Calibration Check		

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
1,4-Dichlorobenzene	A	1.0000	1.0	1.6574040	1.6359860		-1.3	+/-50
1,2-Dichlorobenzene	A	1.0000	1.0	1.6077360	1.6155030		0.5	+/-50
Benzyl Alcohol	A	1.0000	1.0	1.7523940	1.6696070		-4.7	+/-50
Benzoic acid	A	4.0000	4.0	0.1715968	0.2672916		0.2	+/-50
4-Methylphenol	A	1.0000	1.0	1.6045550	1.6488750		2.8	+/-50
2,4-Dimethylphenol	A	2.0000	2.0	0.4013400	0.4041403		0.7	+/-50
1,2,4-Trichlorobenzene	A	1.0000	1.0	0.2742178	0.2745944		0.1	+/-50
N-Nitrosodiphenylamine	A	1.0000	1.2	0.5750605	0.6994947		21.6	+/-50
Pentachlorophenol	A	2.0000	1.1	0.0738457	0.0724969		-43.3	+/-50
2-Fluorophenol	A	1.5000	1.72	1.6608890	1.9015020		14.5	+/-50
p-Terphenyl-d14	A	1.0000	1.12	0.5535288	0.6189158		11.8	+/-50

* Values outside of QC limits

Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT17081723195.D

Date : 18-AUG-2023 07:12

Client ID:

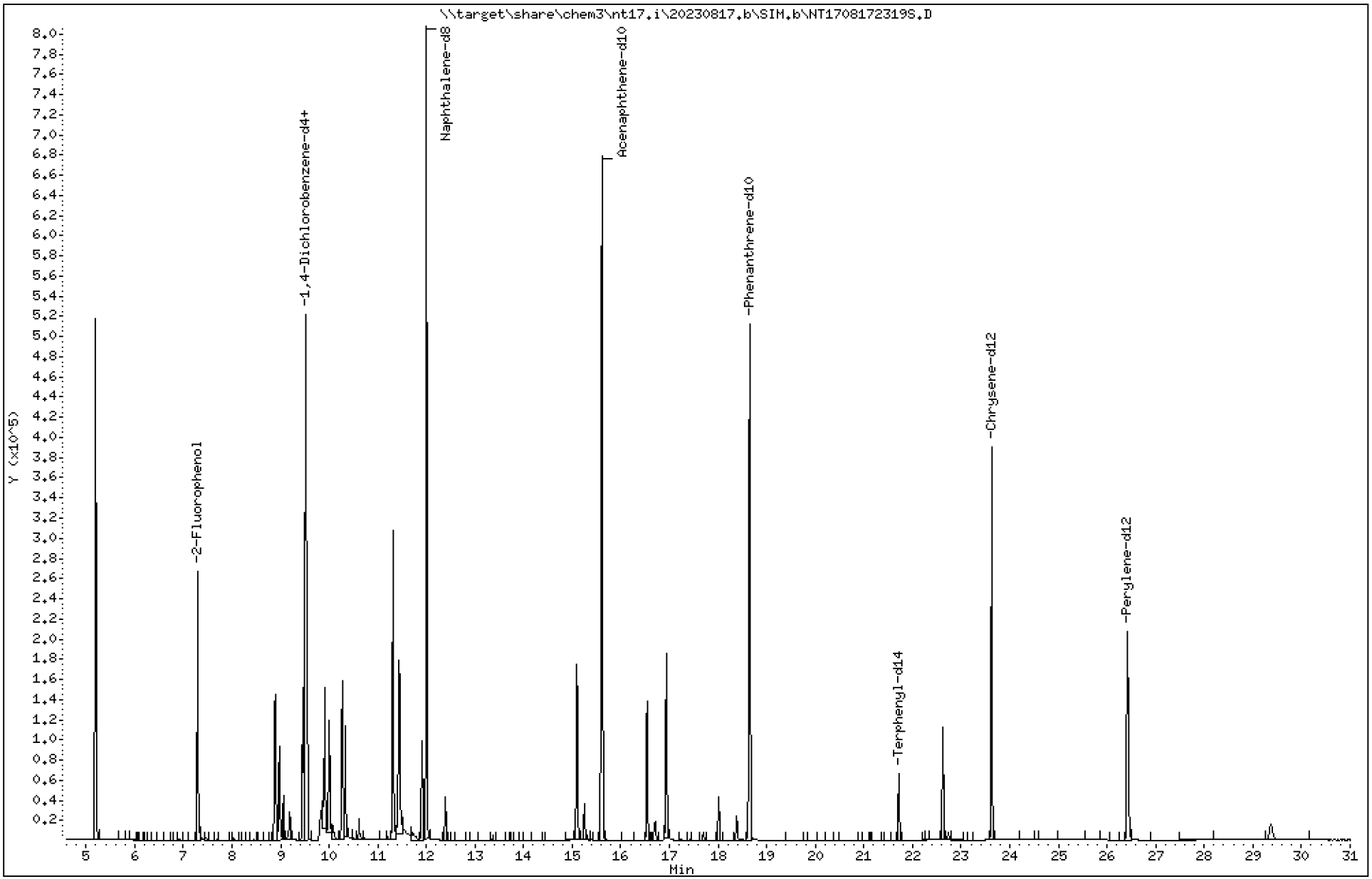
Sample Info: SEQ-CCV2

Column phase: ZB-5msi

Instrument: nt17.i

Operator: YZ

Column diameter: 0.25



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Date : 18-AUG-2023 07:12

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

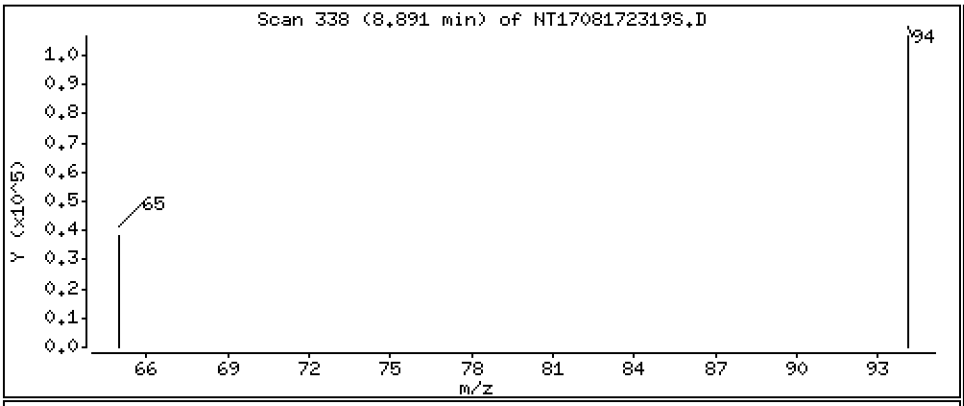
Operator: YZ

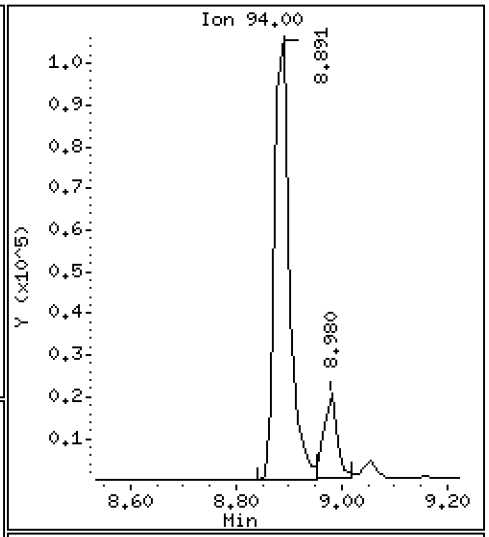
Column phase: ZB-5msi

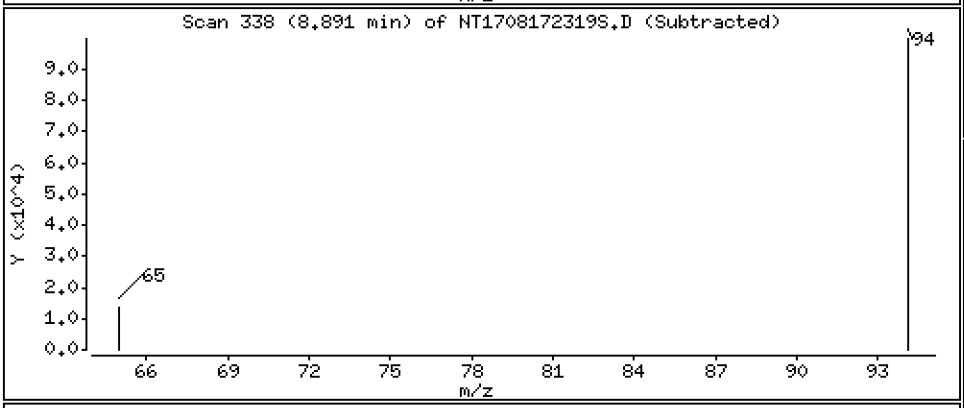
Column diameter: 0.25

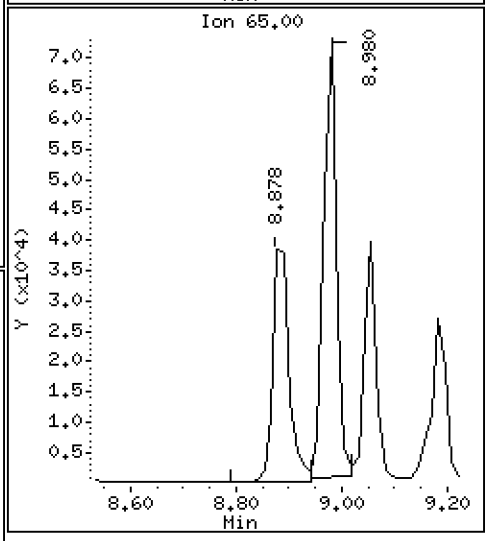
3 Phenol

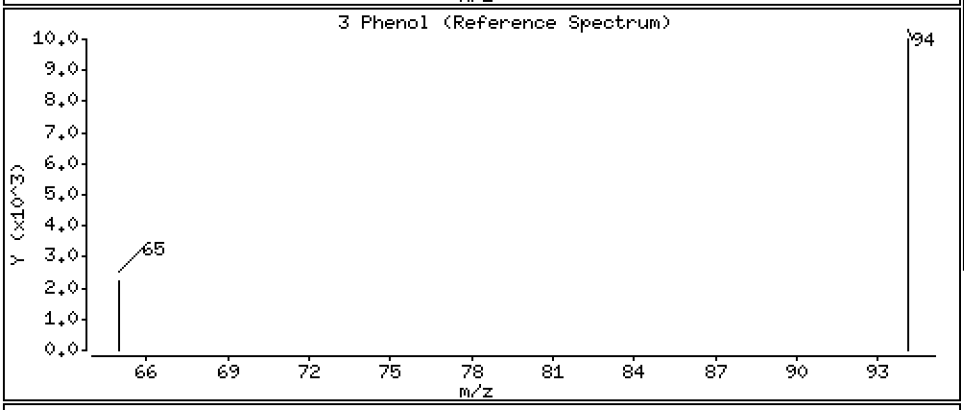
Concentration: 1.017 ug/mL

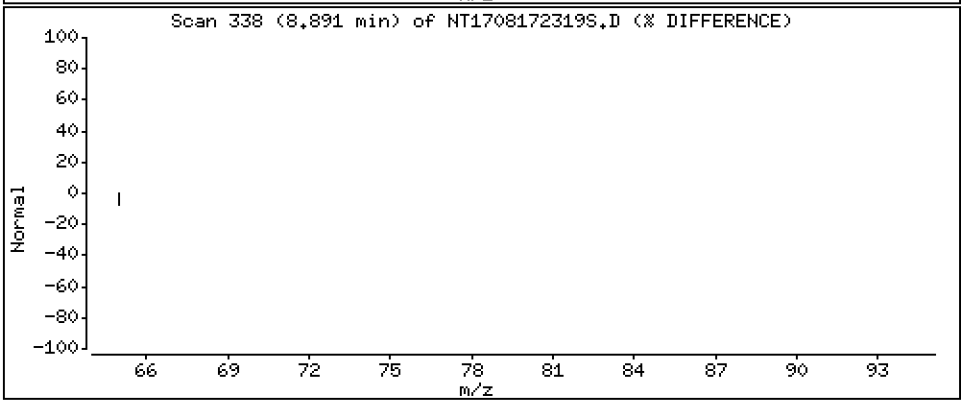












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172319S.D

Date : 18-AUG-2023 07:12

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

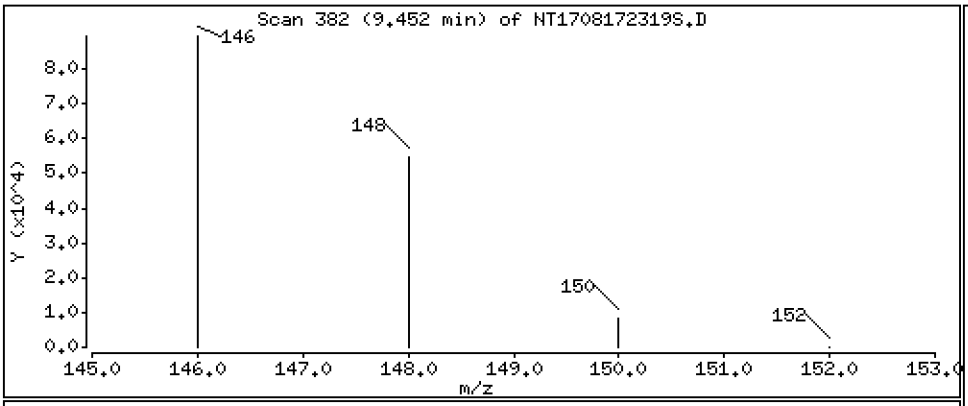
Operator: YZ

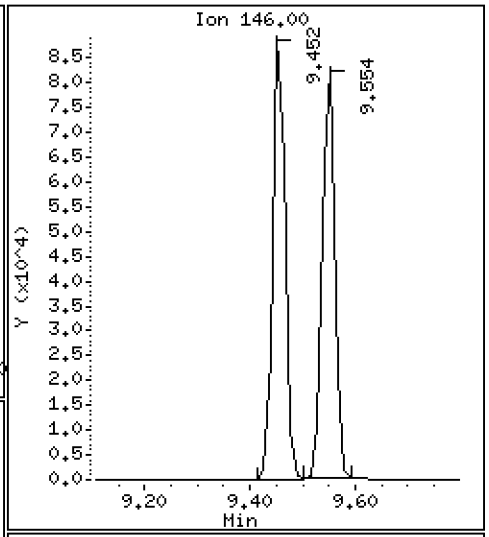
Column phase: ZB-5msi

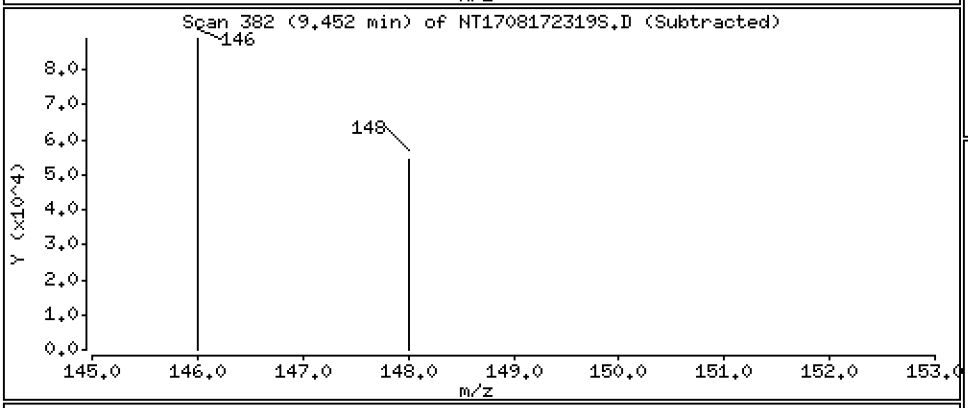
Column diameter: 0.25

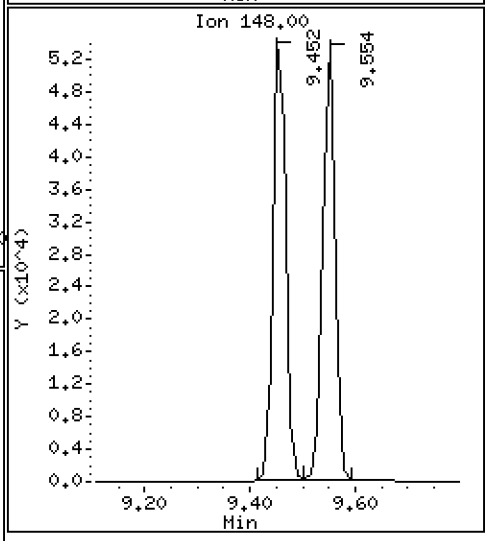
7 1,3-Dichlorobenzene

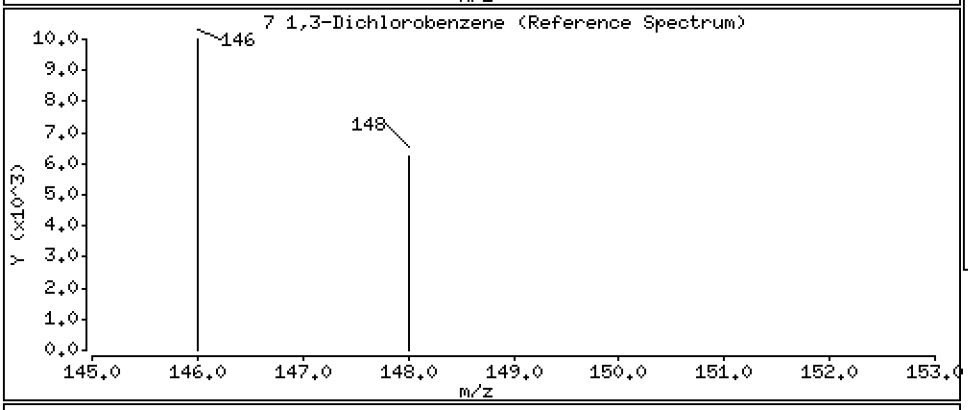
Concentration: 1.009 ug/mL

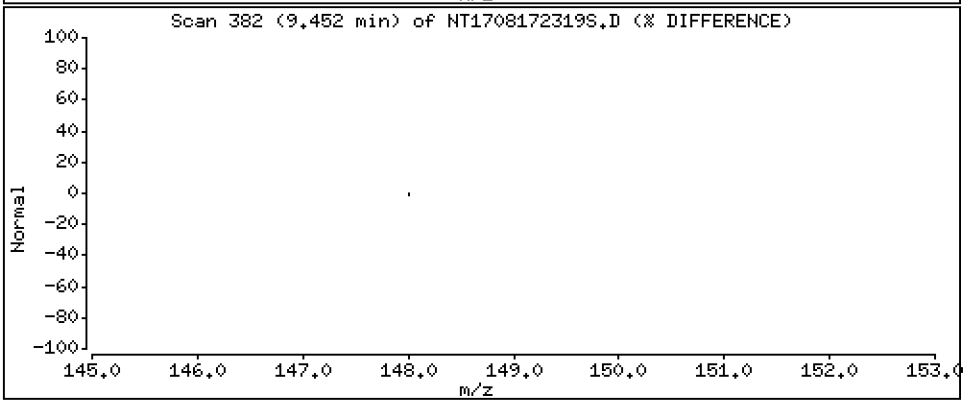












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172319S.D

Date : 18-AUG-2023 07:12

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

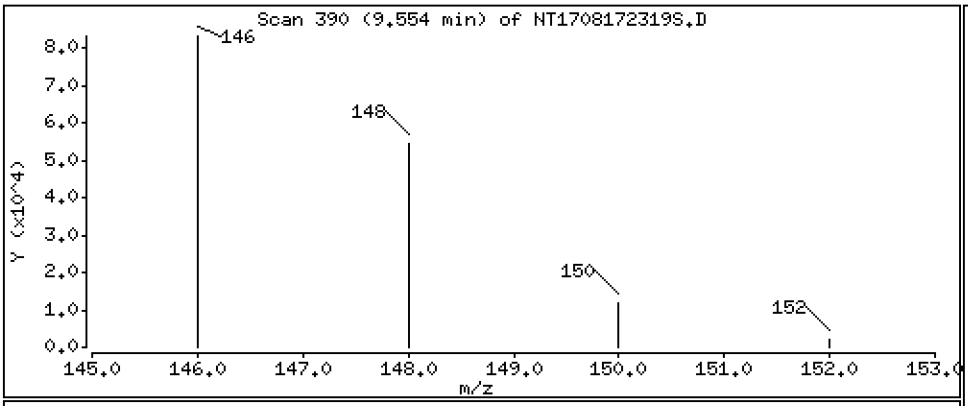
Operator: YZ

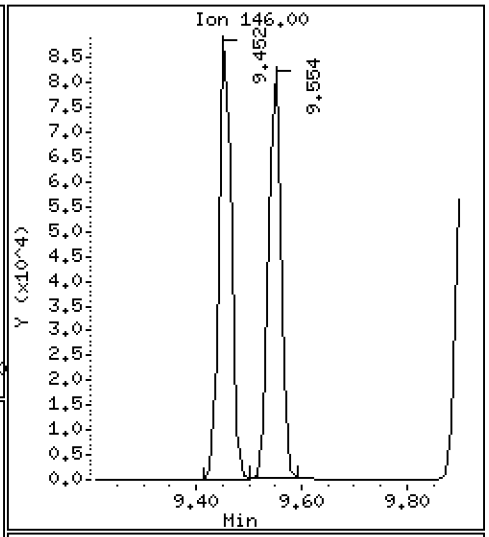
Column phase: ZB-5msi

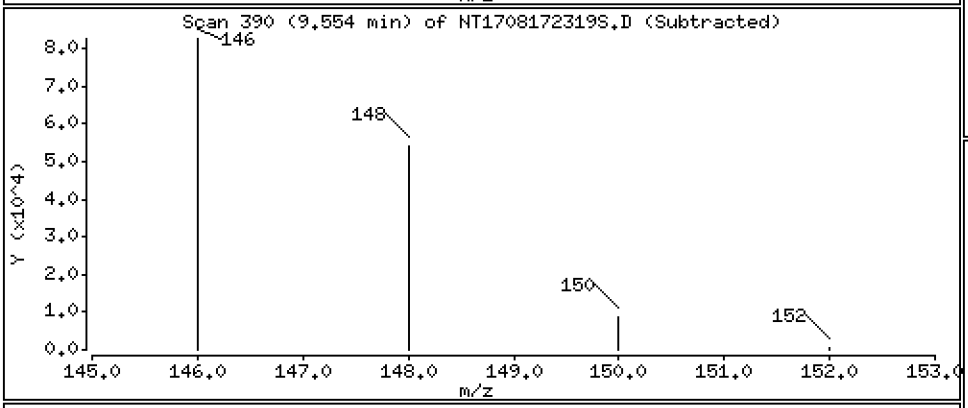
Column diameter: 0.25

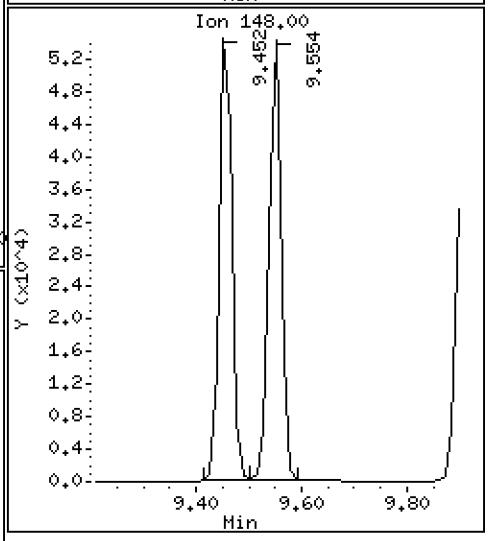
9 1,4-Dichlorobenzene

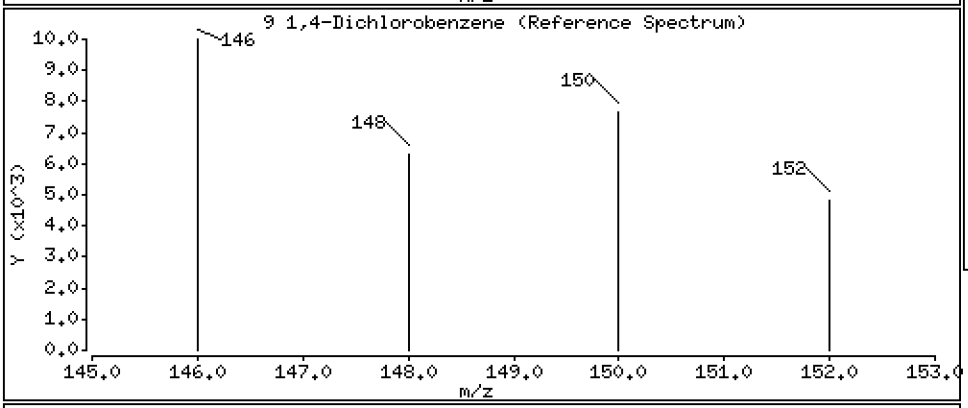
Concentration: 0.9871 ug/mL

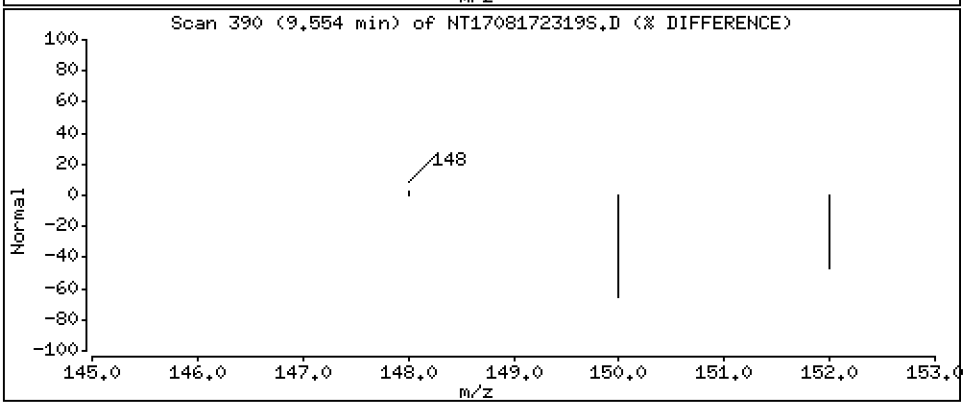












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT17081723195.D

Date : 18-AUG-2023 07:12

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

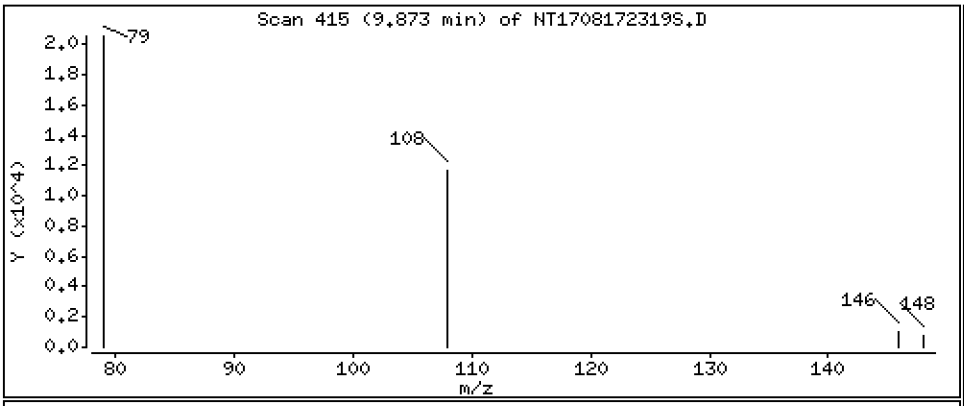
Operator: YZ

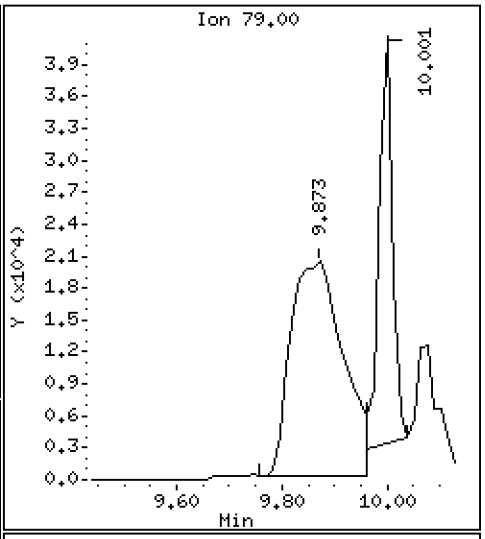
Column phase: ZB-5msi

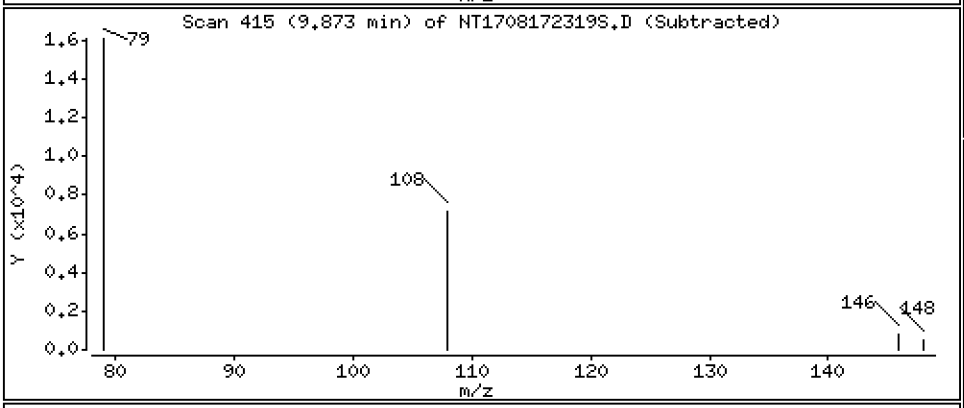
Column diameter: 0.25

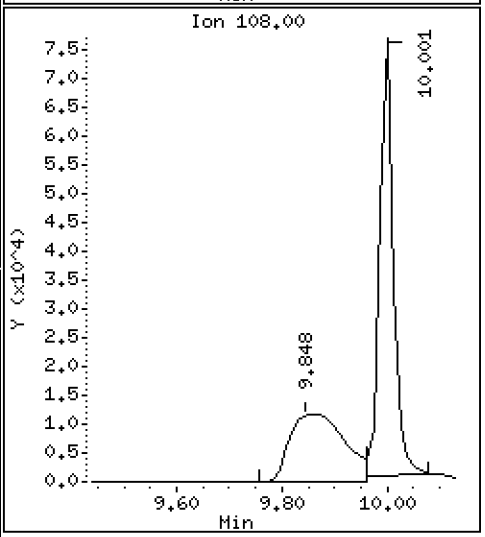
11 Benzyl alcohol

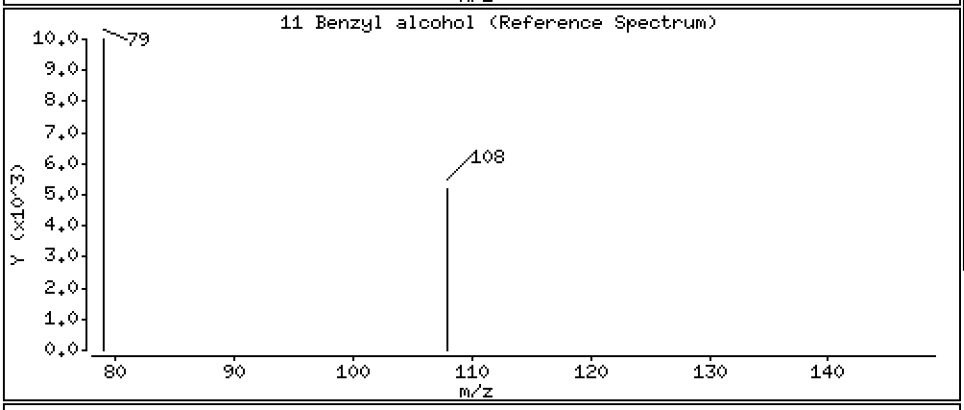
Concentration: 0.9528 ug/mL

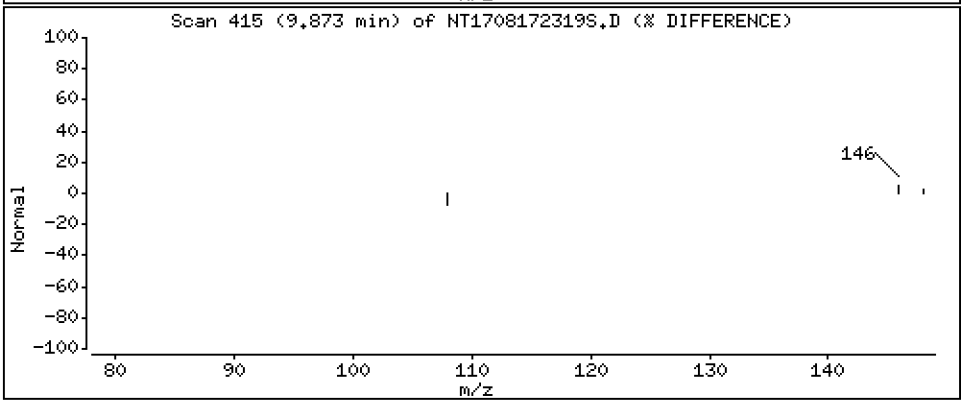












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT17081723195.D

Date : 18-AUG-2023 07:12

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

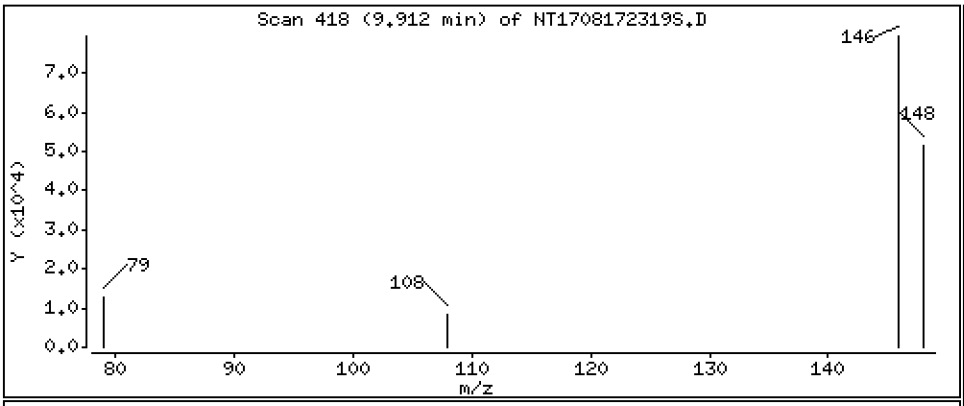
Operator: YZ

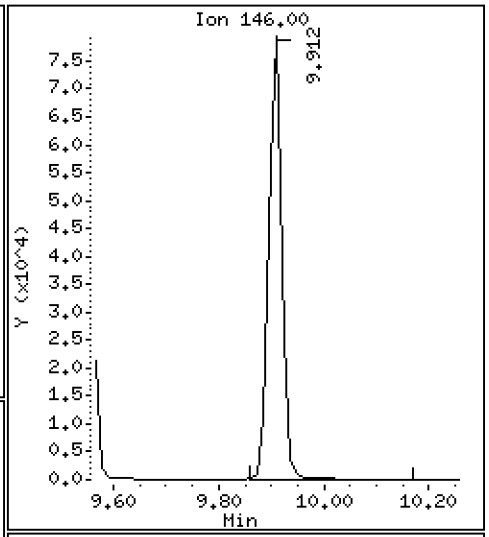
Column phase: ZB-5msi

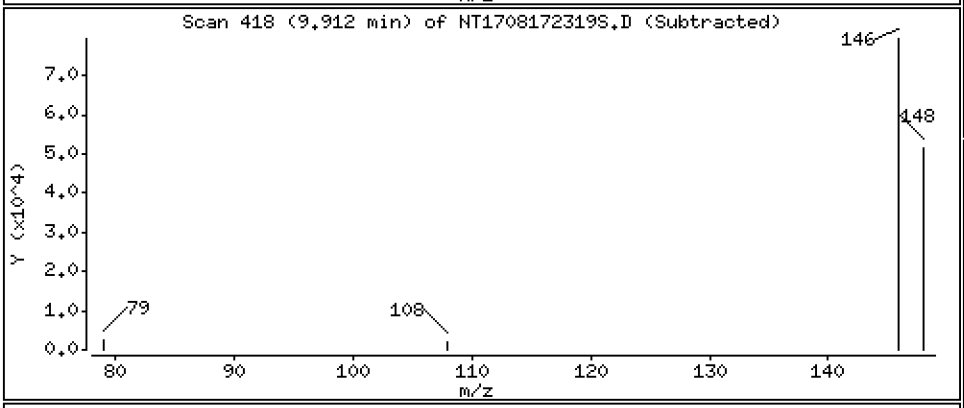
Column diameter: 0.25

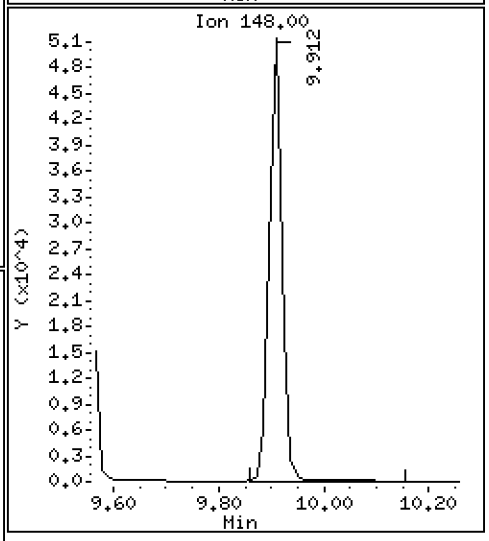
12 1,2-Dichlorobenzene

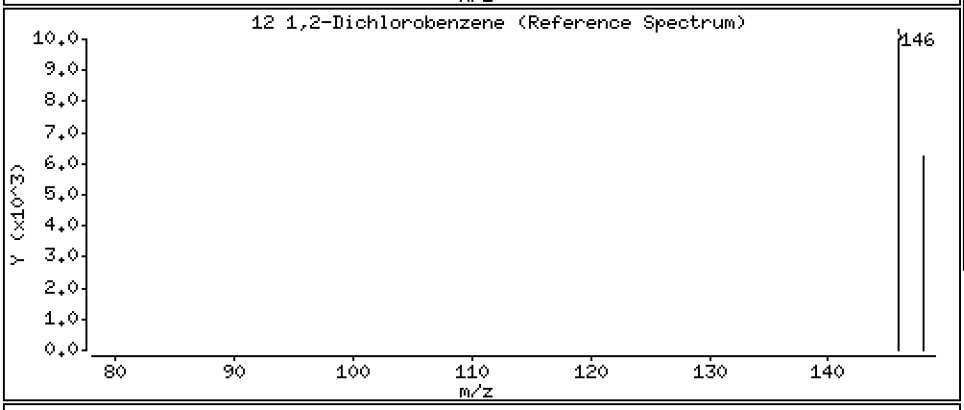
Concentration: 1.005 ug/mL

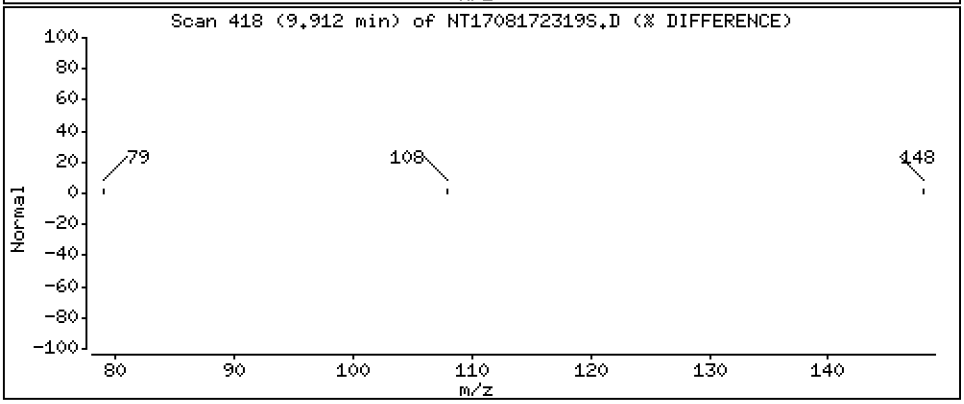












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Date : 18-AUG-2023 07:12

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

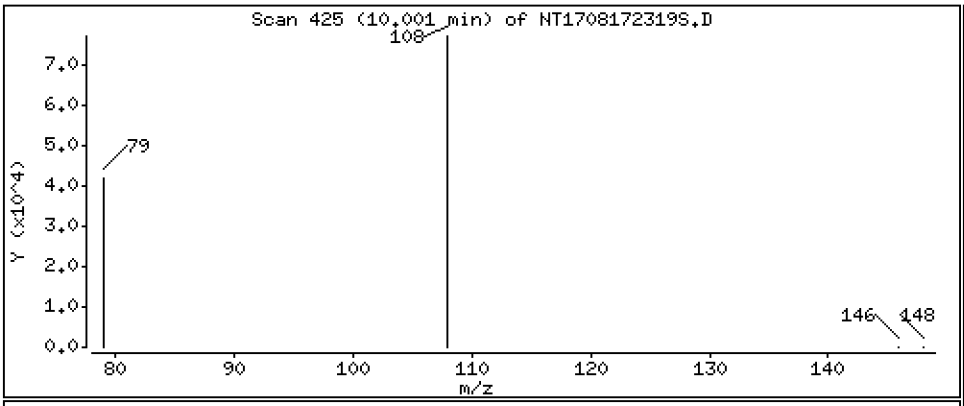
Operator: YZ

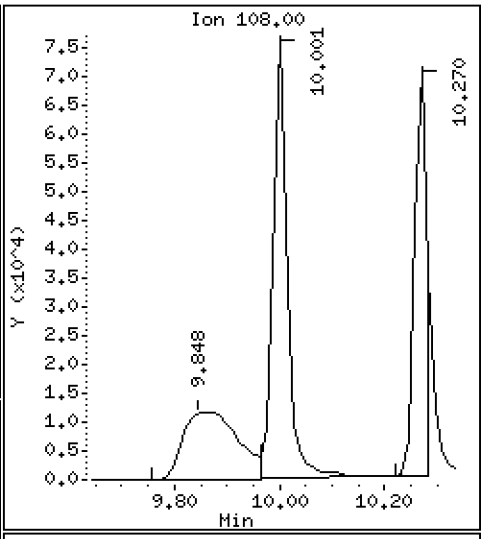
Column phase: ZB-5msi

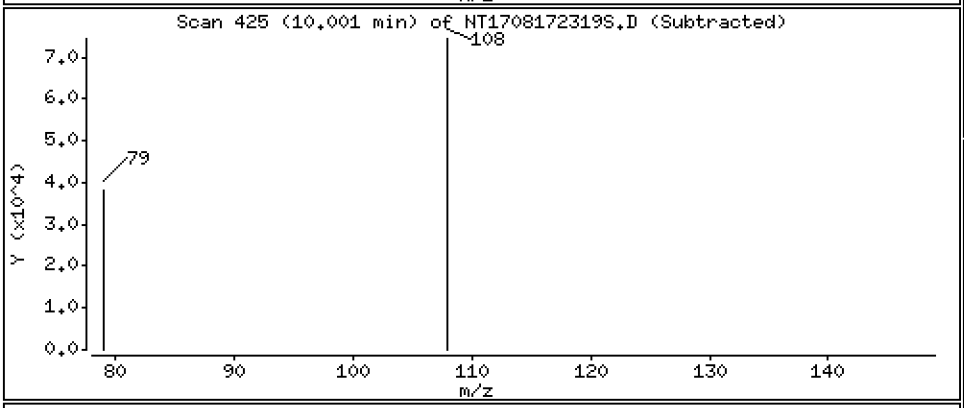
Column diameter: 0.25

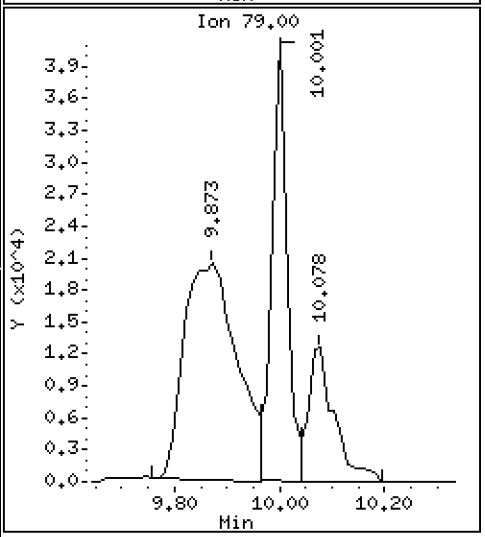
13 2-Methylphenol

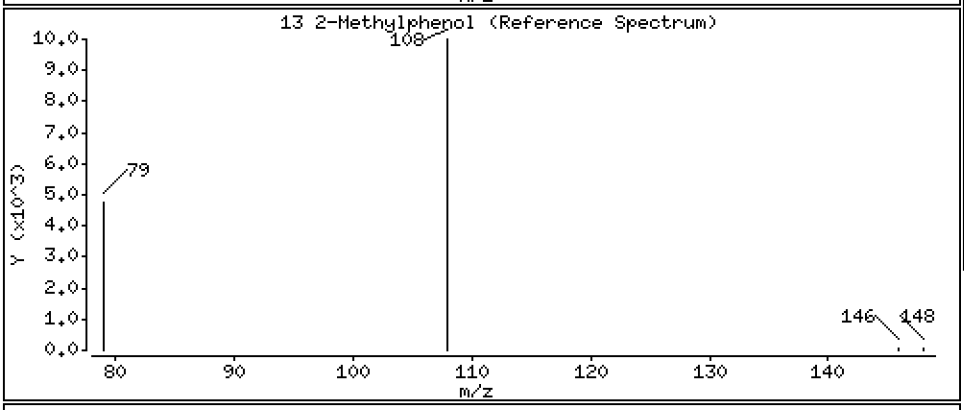
Concentration: 1.124 ug/mL

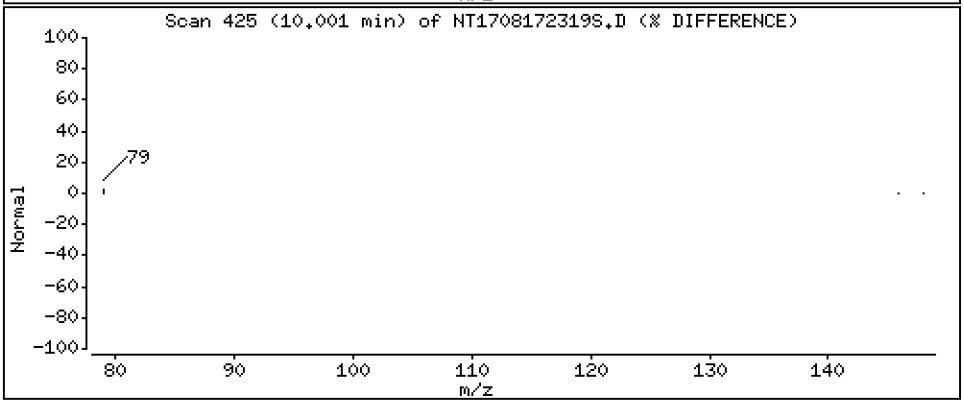












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Date : 18-AUG-2023 07:12

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

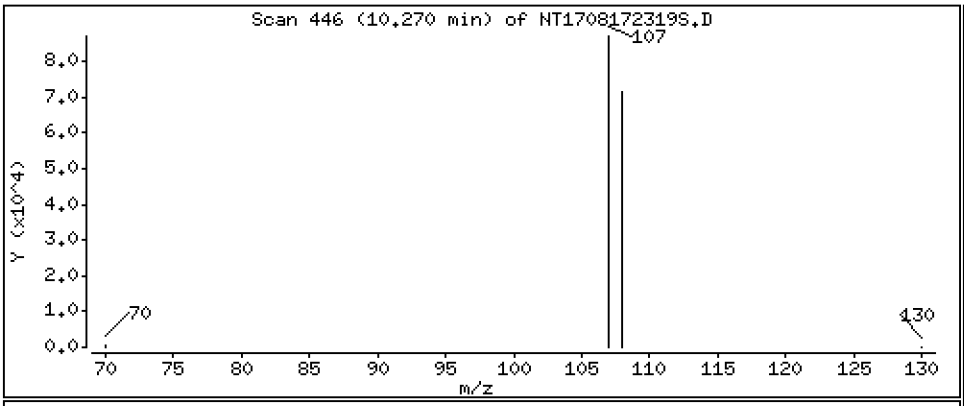
Operator: YZ

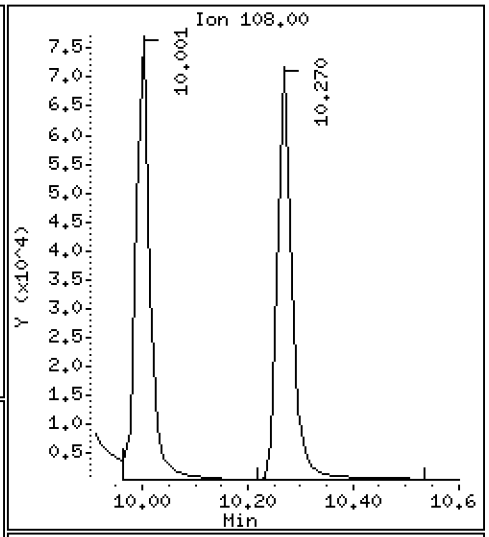
Column phase: ZB-5msi

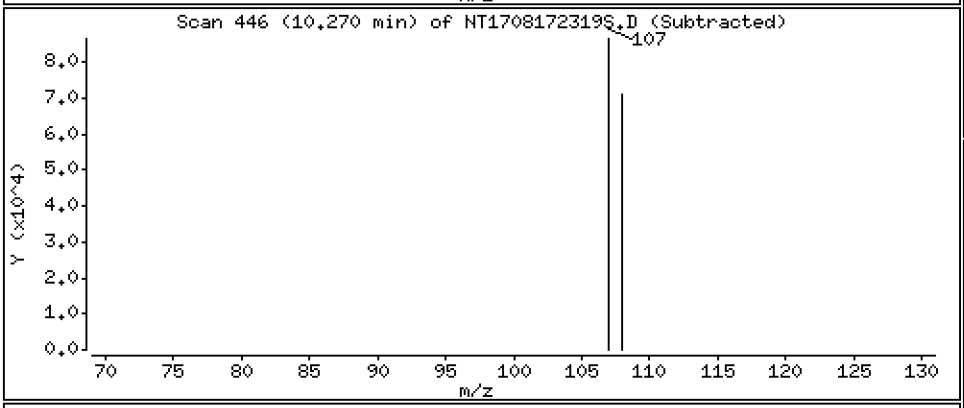
Column diameter: 0.25

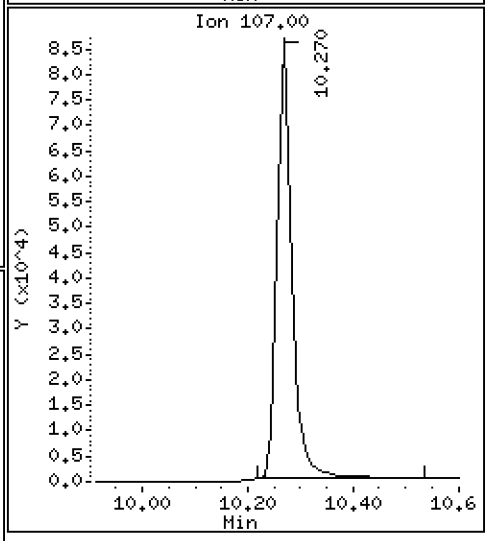
15 4-Methylphenol

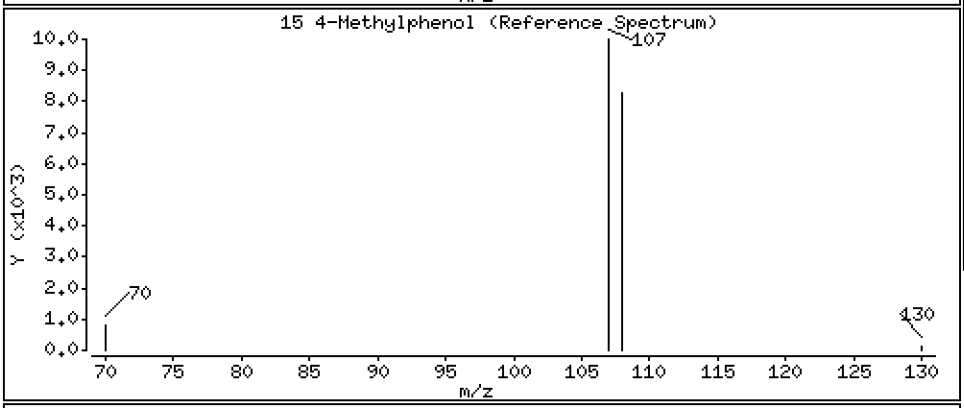
Concentration: 1.028 ug/mL

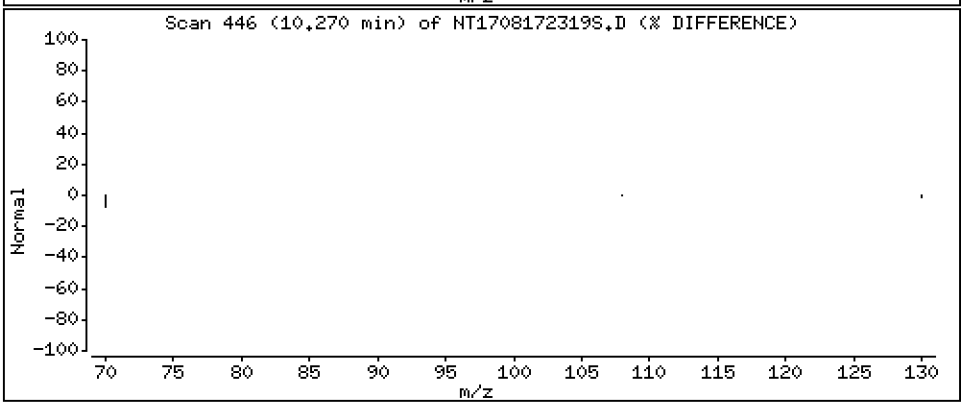












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Date : 18-AUG-2023 07:12

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

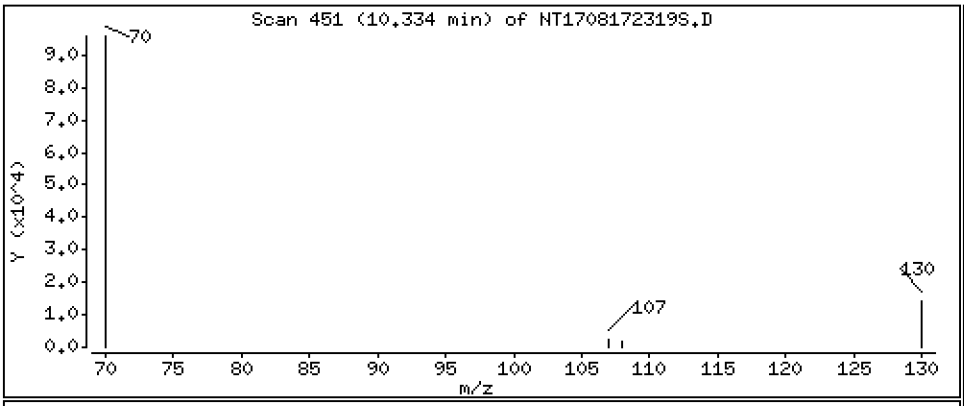
Operator: YZ

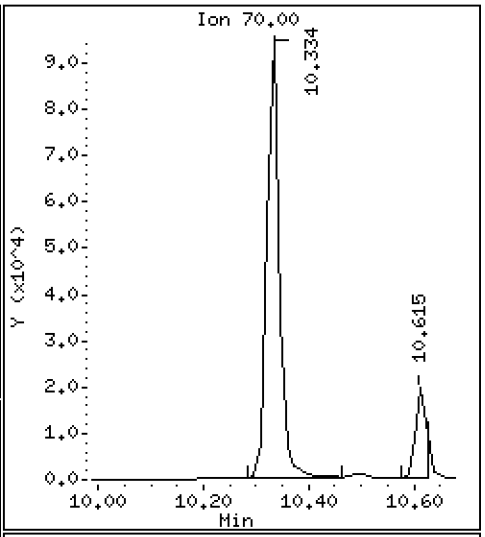
Column phase: ZB-5msi

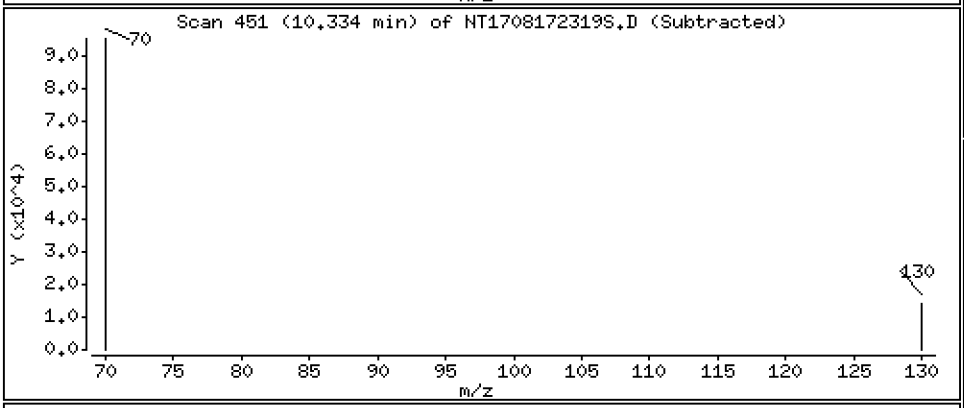
Column diameter: 0.25

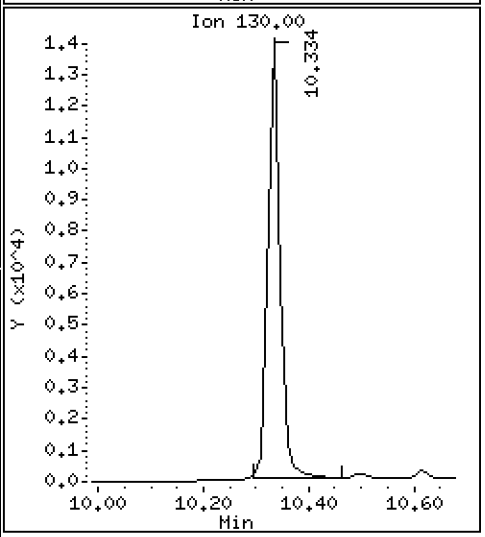
16 N-Nitroso-di-n-propylamine

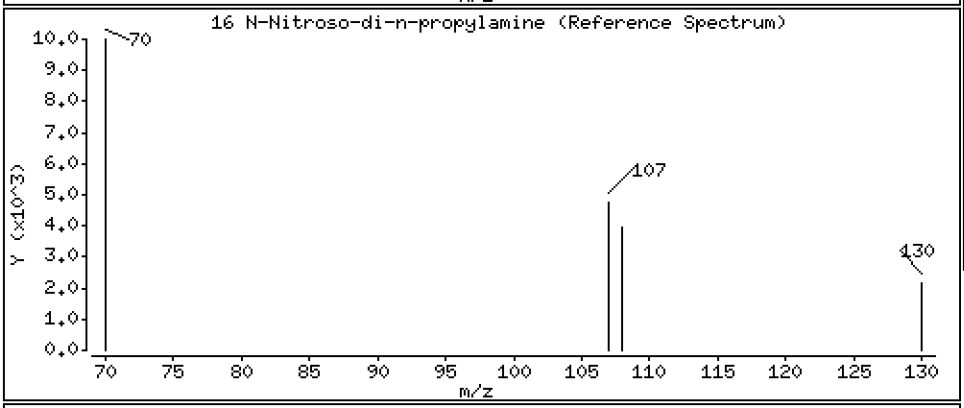
Concentration: 1.137 ug/mL

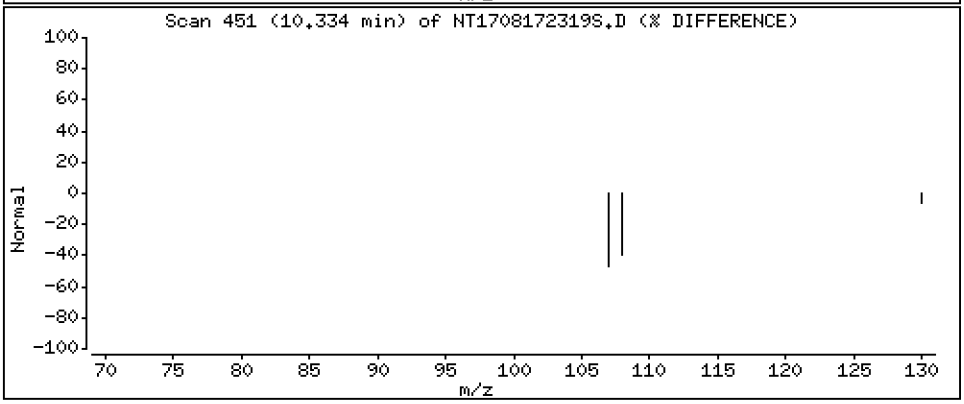












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Date : 18-AUG-2023 07:12

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

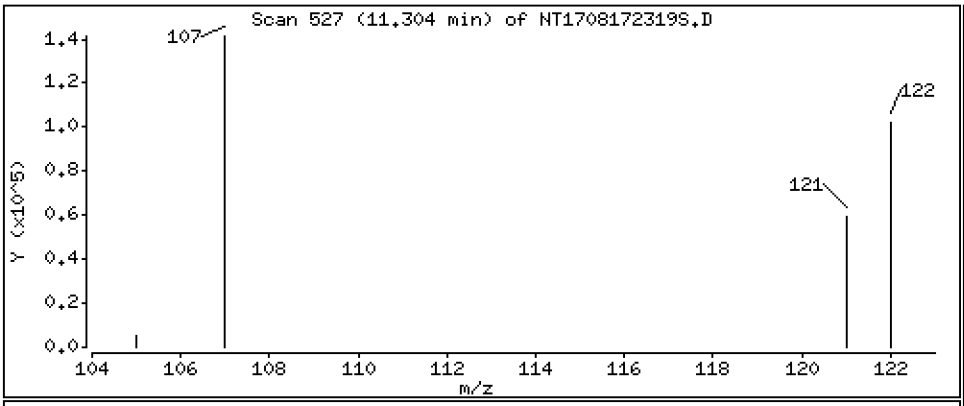
Operator: YZ

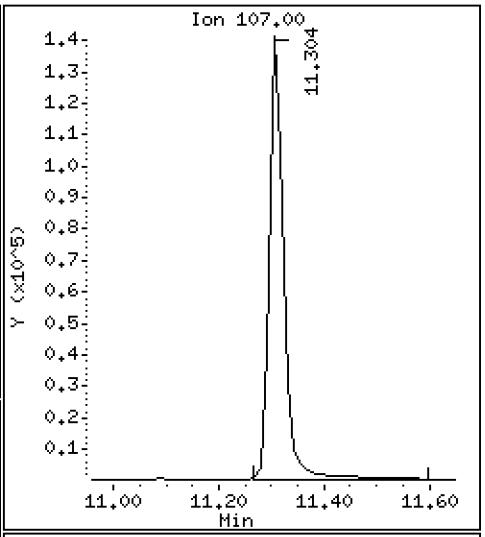
Column phase: ZB-5msi

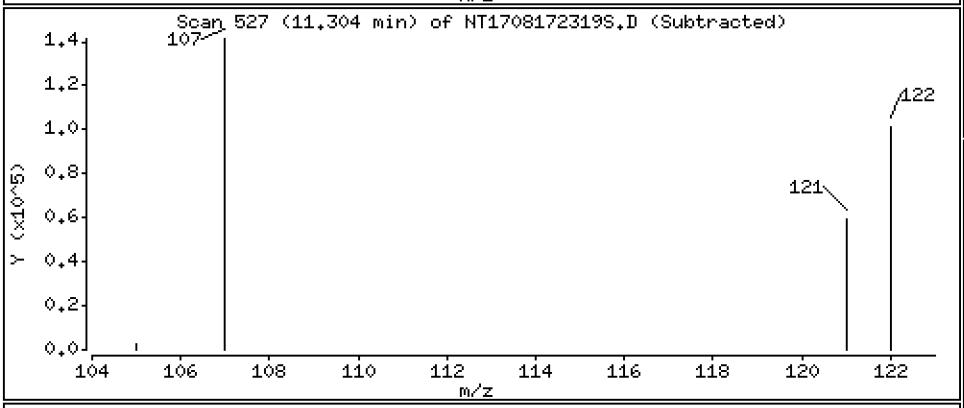
Column diameter: 0.25

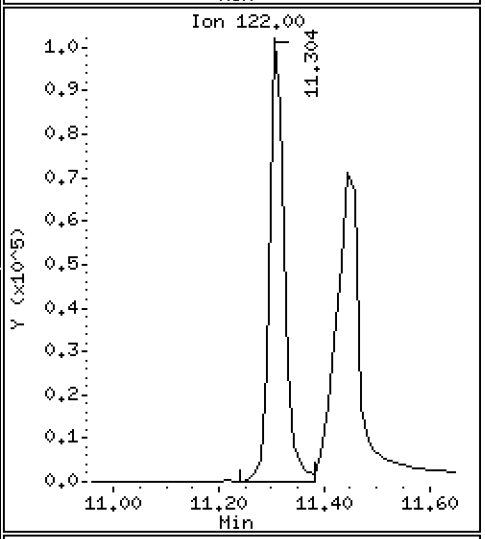
22 2,4-Dimethylphenol

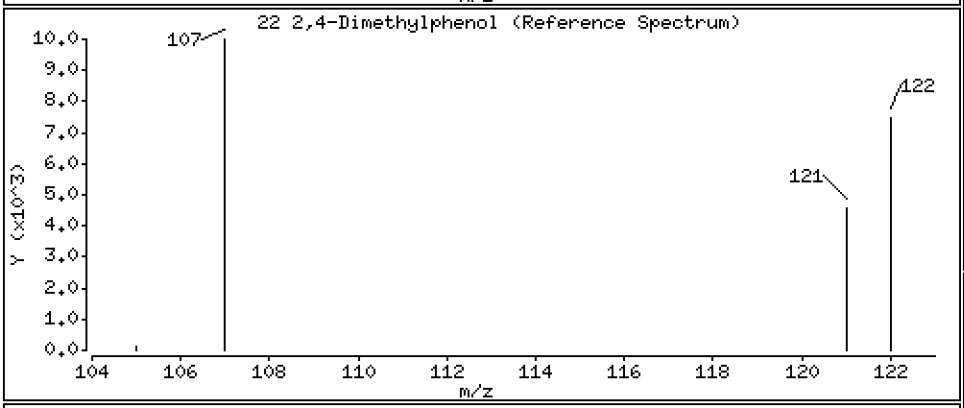
Concentration: 2.014 ug/mL

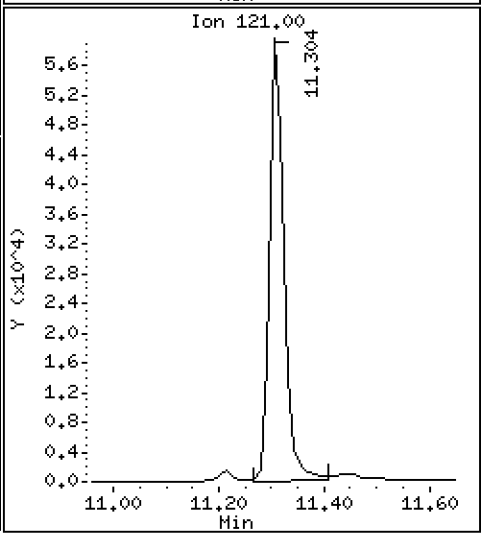


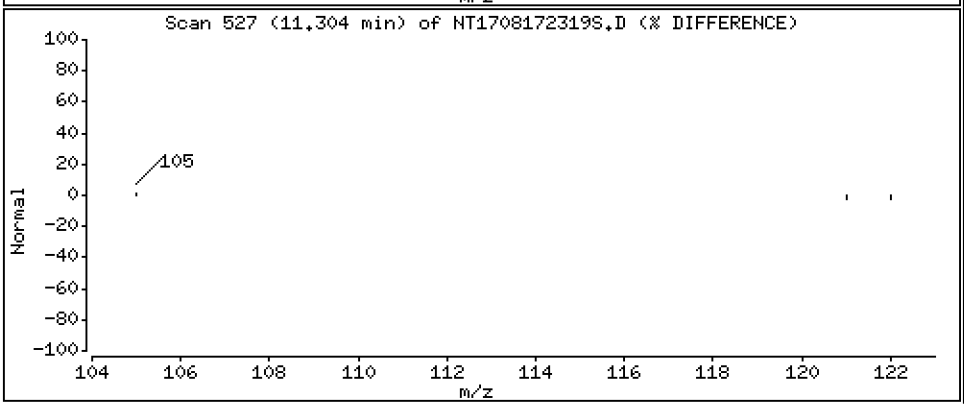












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Date : 18-AUG-2023 07:12

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

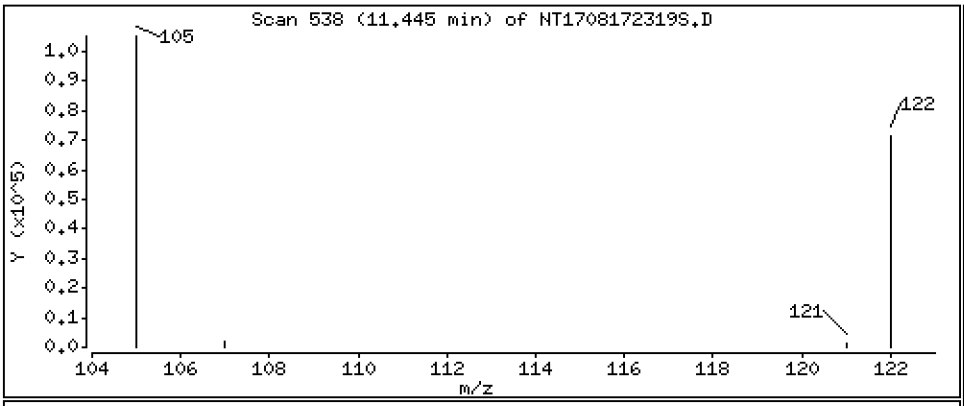
Operator: YZ

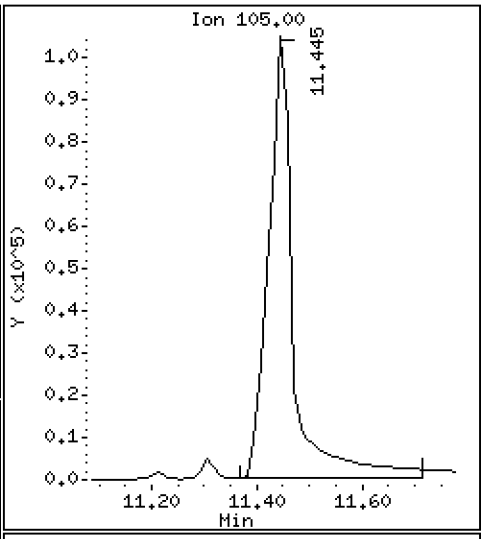
Column phase: ZB-5msi

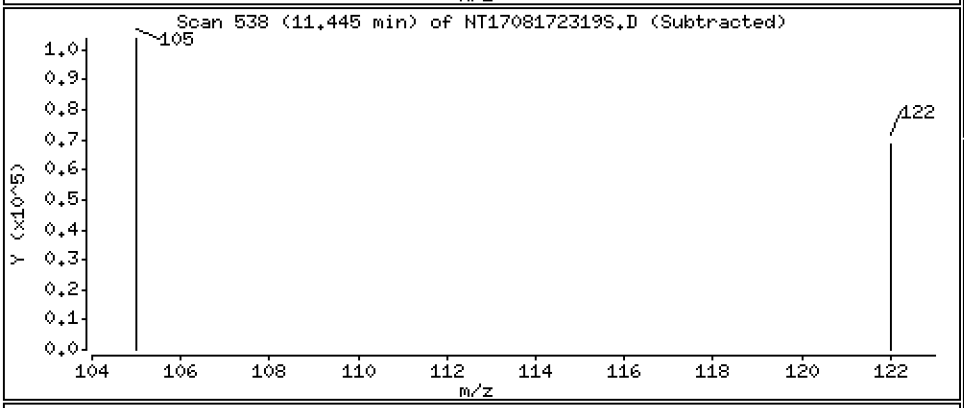
Column diameter: 0.25

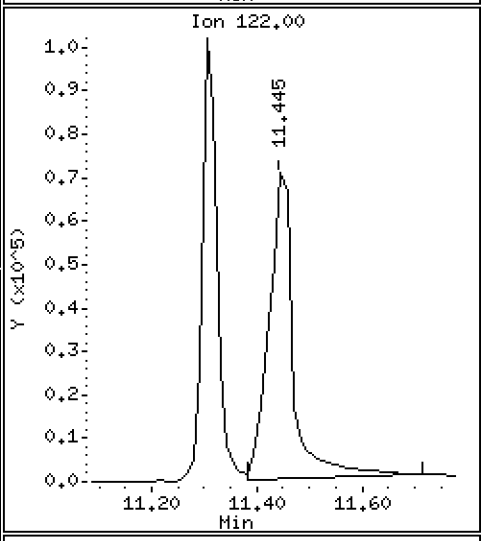
24 Benzoic acid

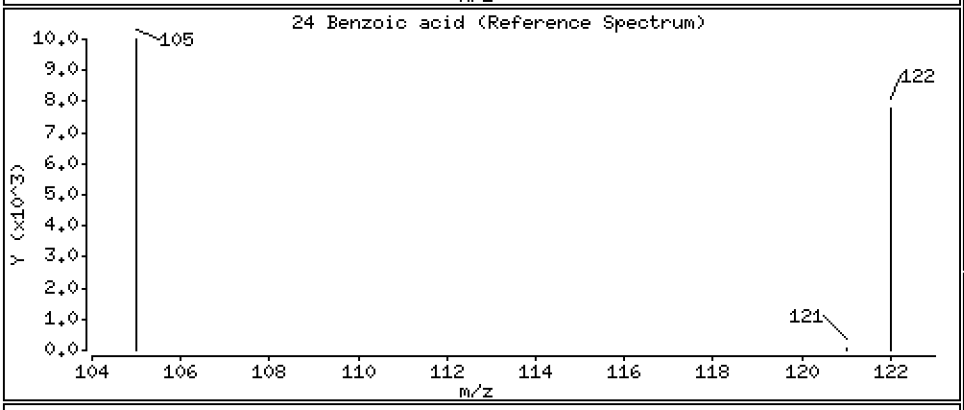
Concentration: 4.008 ug/mL

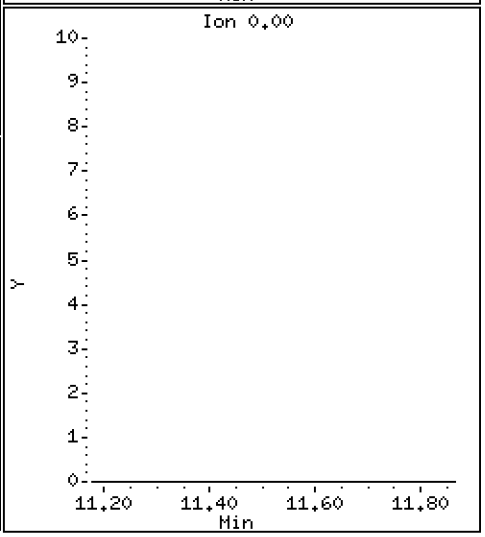


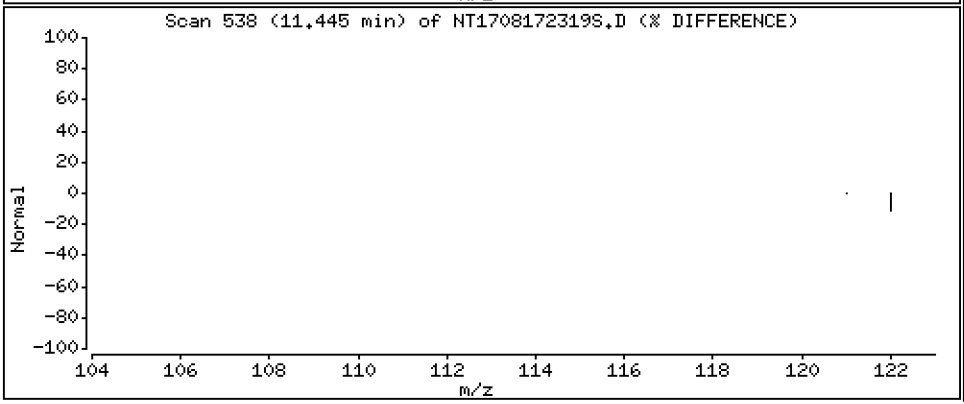












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Date : 18-AUG-2023 07:12

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

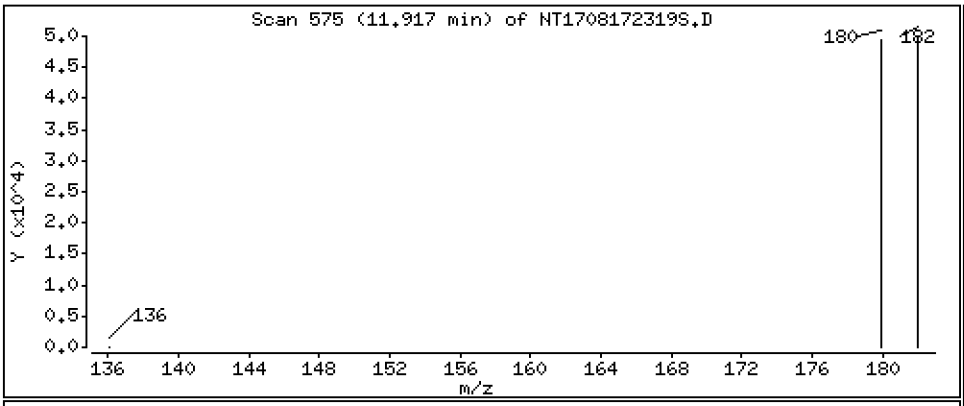
Operator: YZ

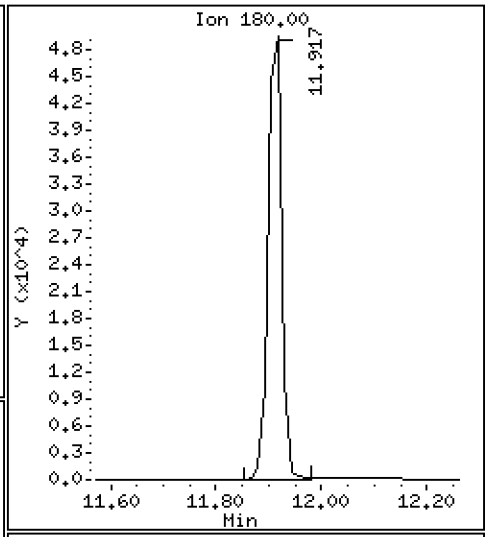
Column phase: ZB-5msi

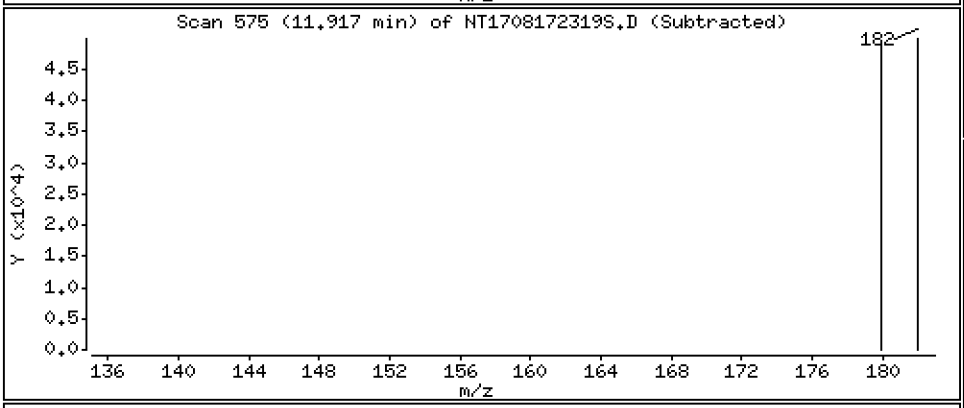
Column diameter: 0.25

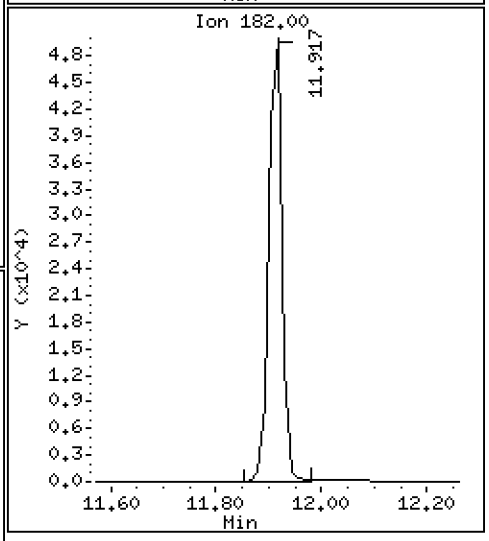
26 1,2,4-Trichlorobenzene

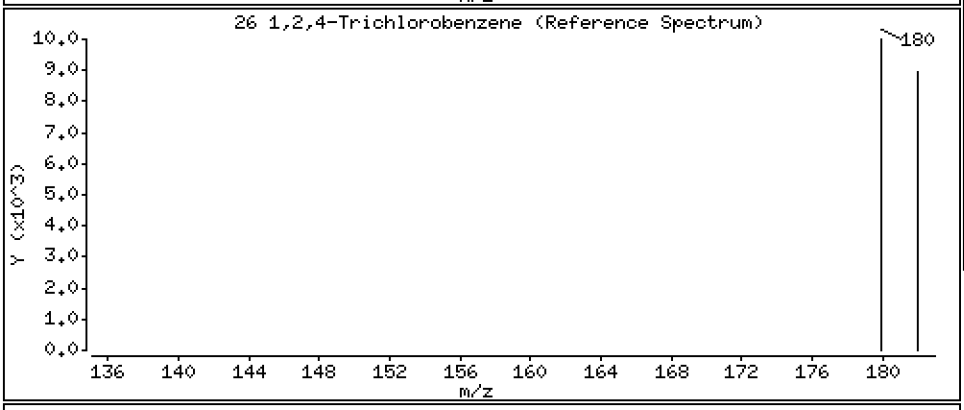
Concentration: 1.001 ug/mL

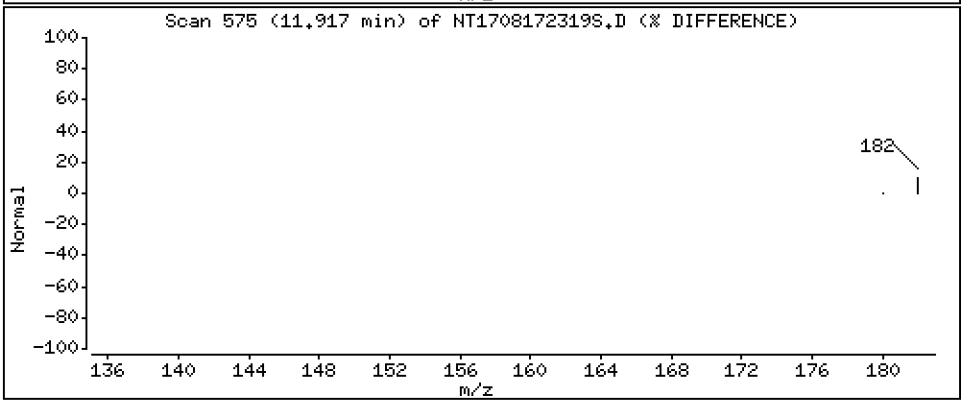












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Date : 18-AUG-2023 07:12

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

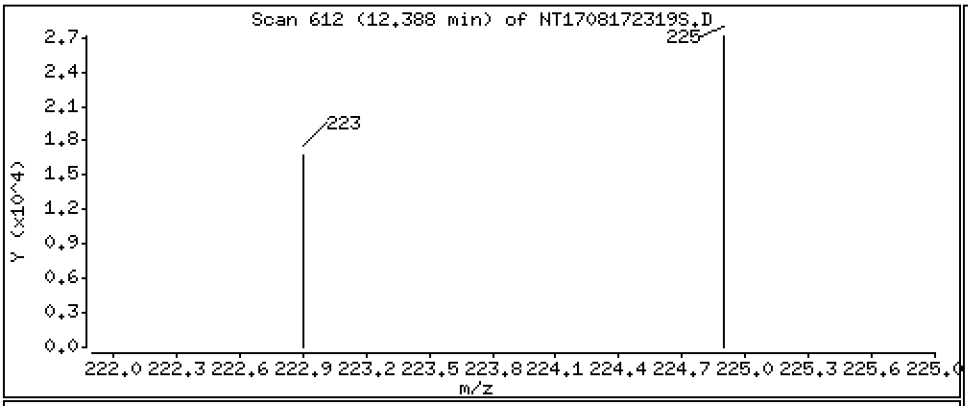
Operator: YZ

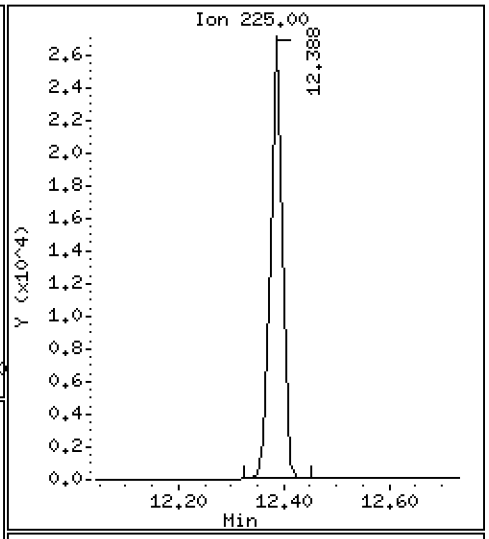
Column phase: ZB-5msi

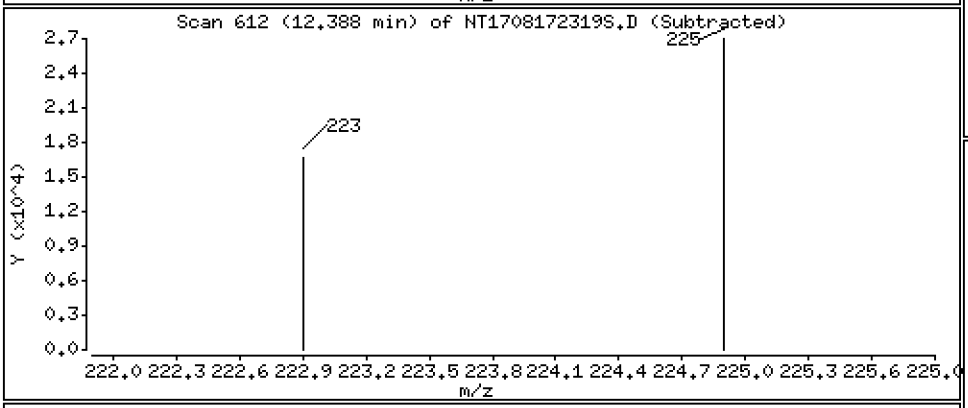
Column diameter: 0.25

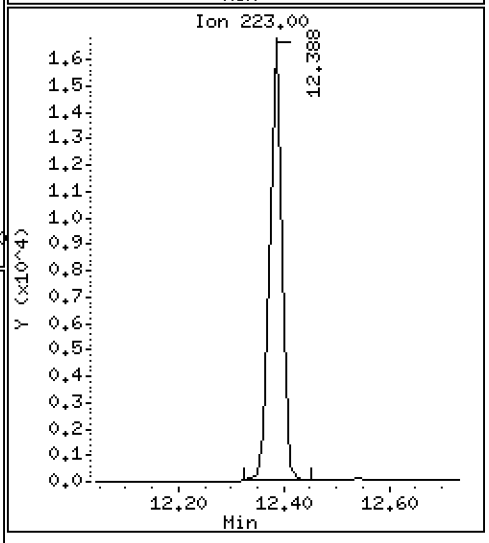
30 Hexachlorobutadiene

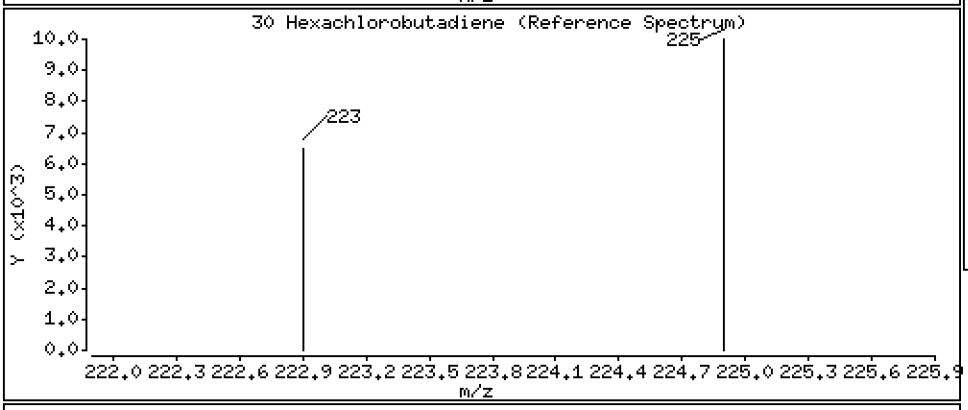
Concentration: 1.010 ug/mL

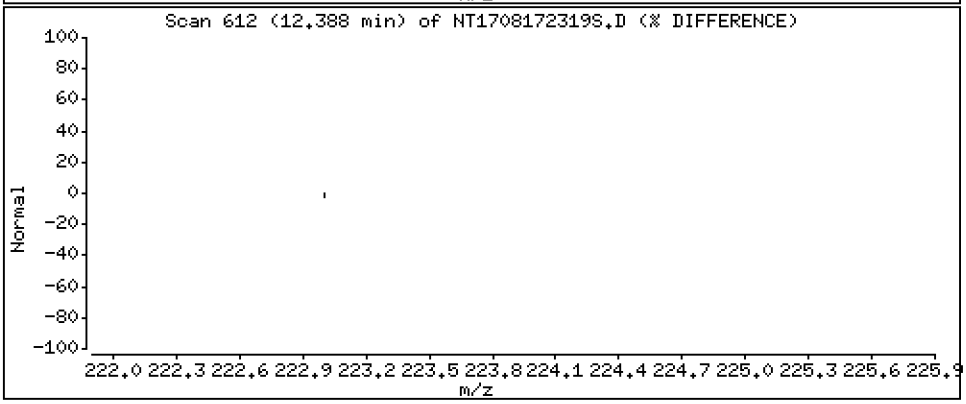












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Date : 18-AUG-2023 07:12

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

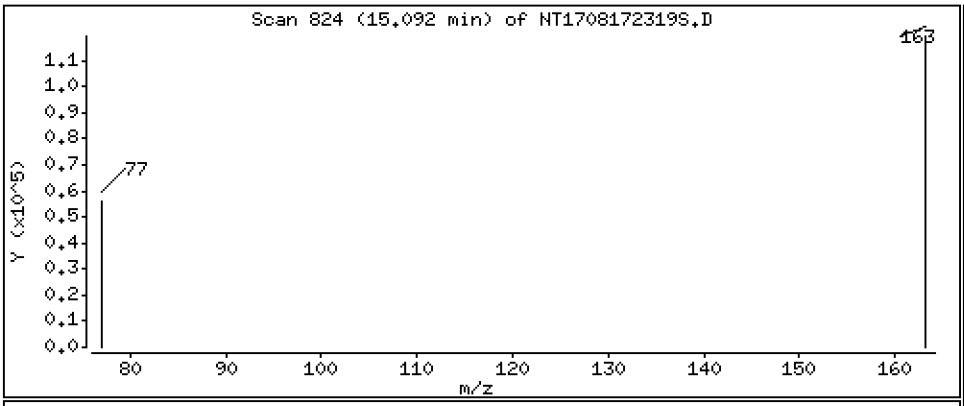
Operator: YZ

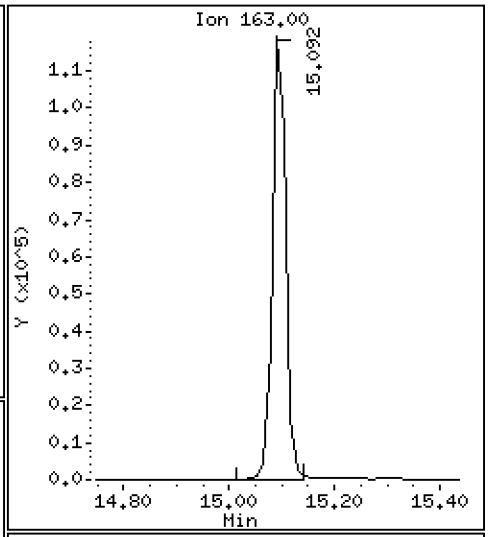
Column phase: ZB-5msi

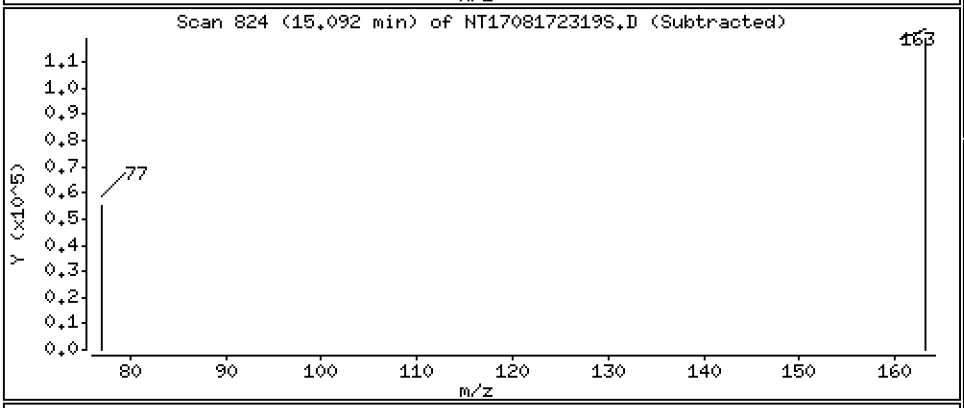
Column diameter: 0.25

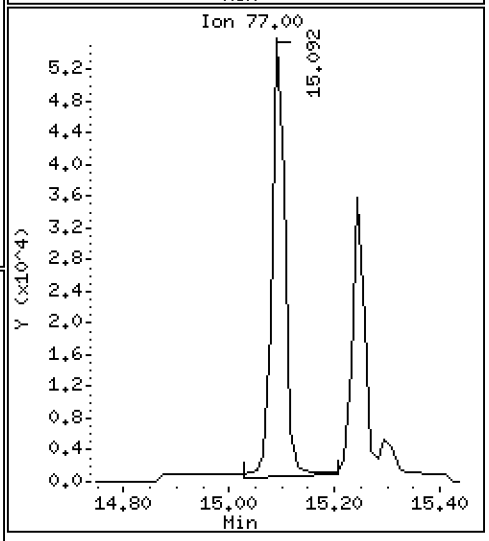
39 Dimethylphthalate

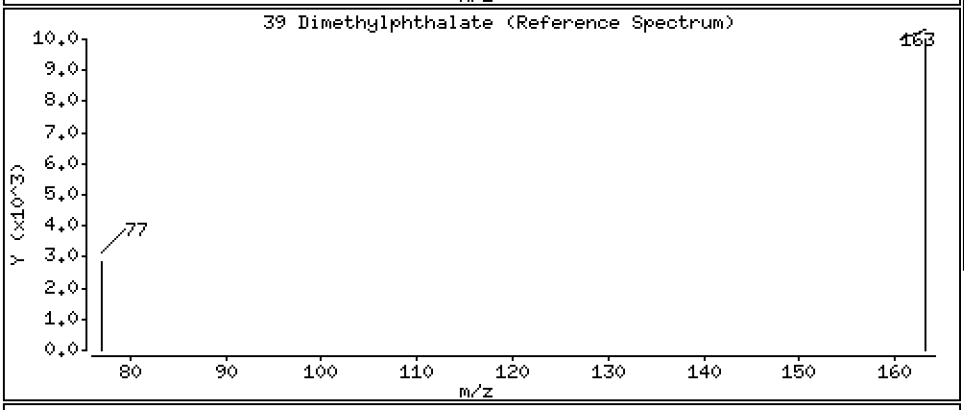
Concentration: 1.121 ug/mL

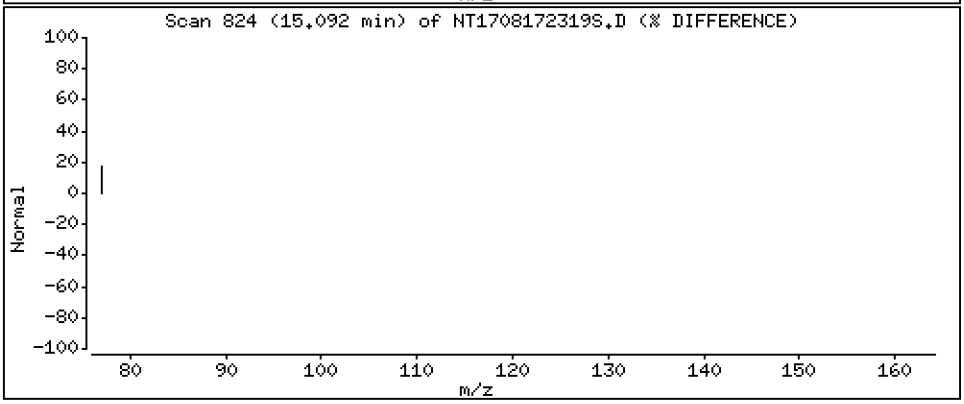












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Date : 18-AUG-2023 07:12

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

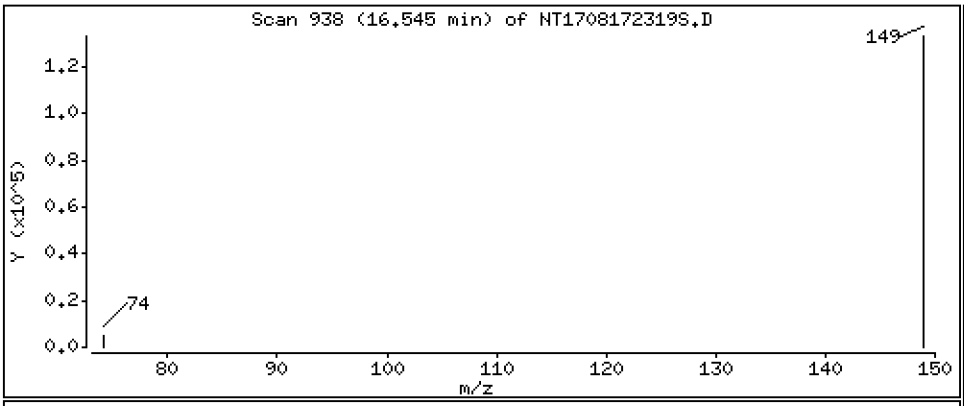
Operator: YZ

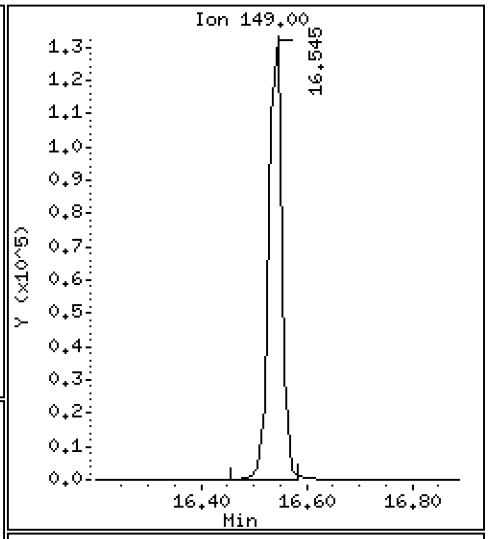
Column phase: ZB-5msi

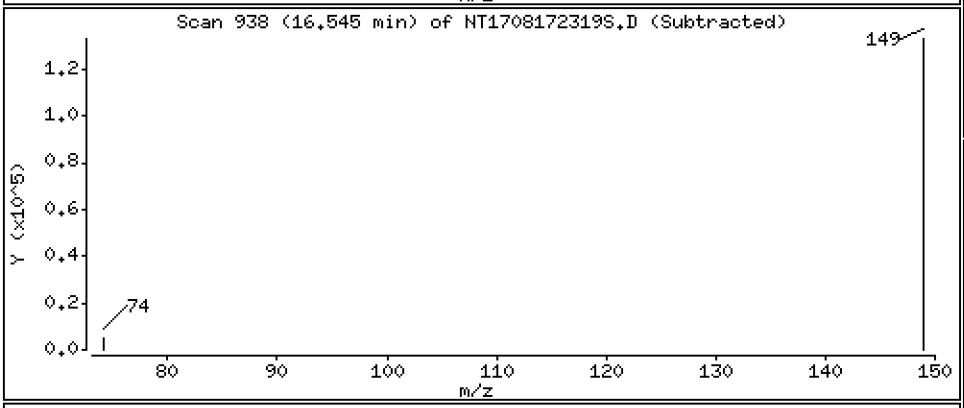
Column diameter: 0.25

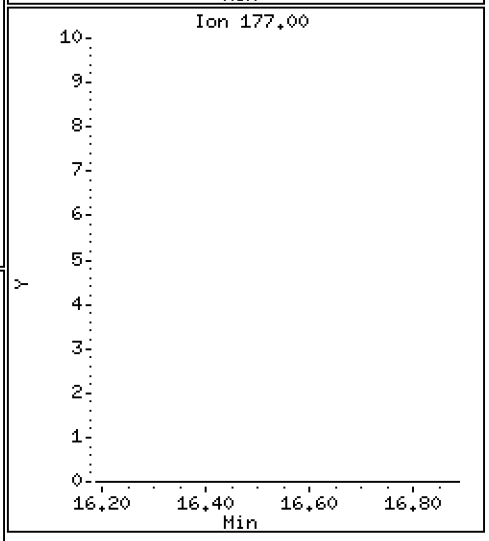
50 Diethylphthalate

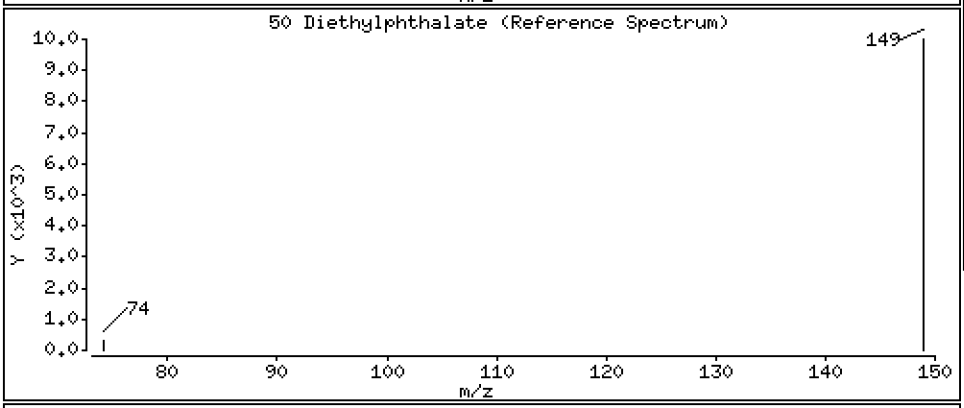
Concentration: 1.201 ug/mL

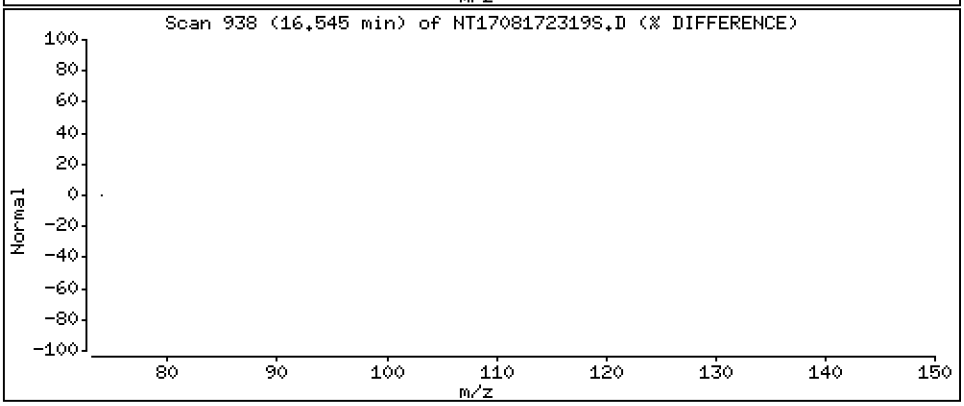












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Date : 18-AUG-2023 07:12

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

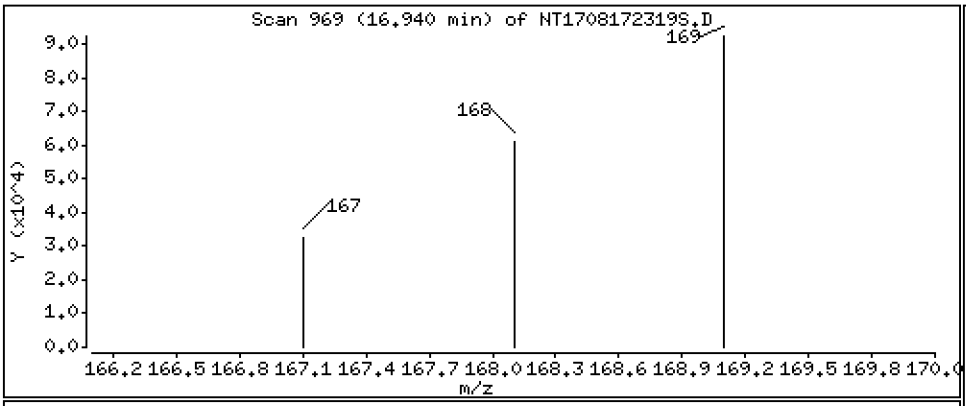
Operator: YZ

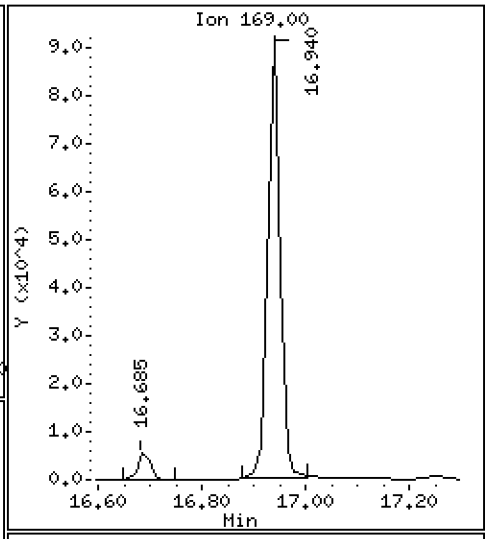
Column phase: ZB-5msi

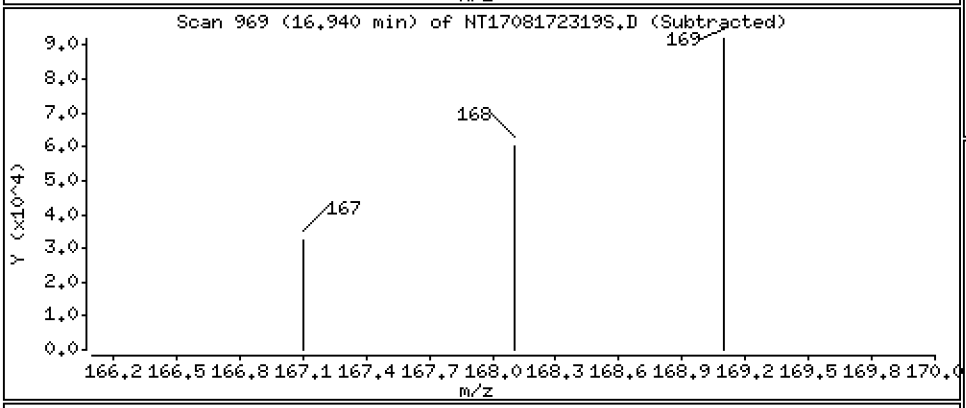
Column diameter: 0.25

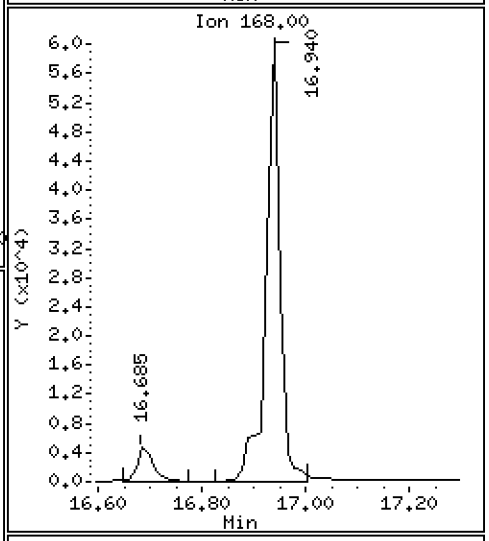
54 N-Nitrosodiphenylamine

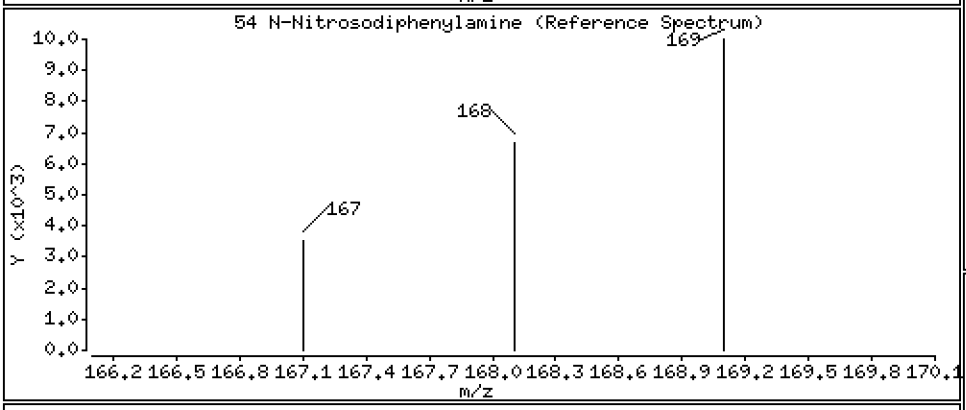
Concentration: 1.216 ug/mL

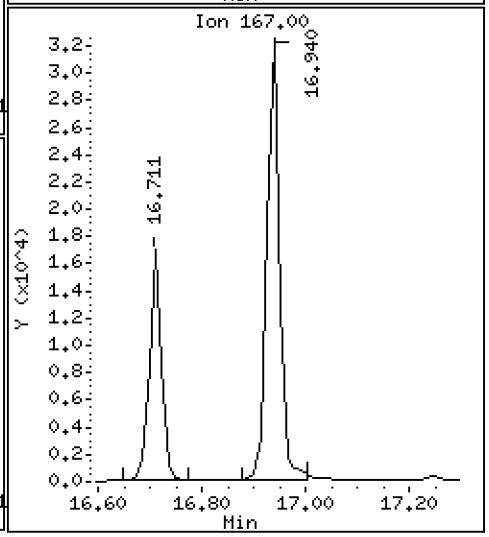


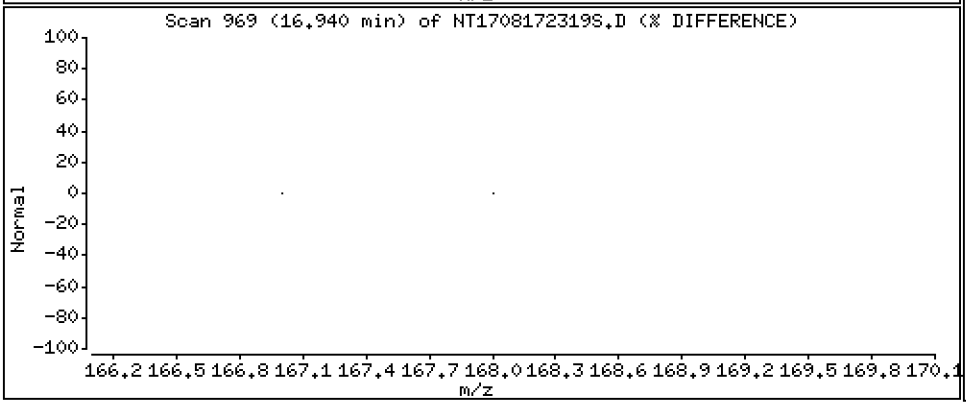












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172319S.D

Date : 18-AUG-2023 07:12

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

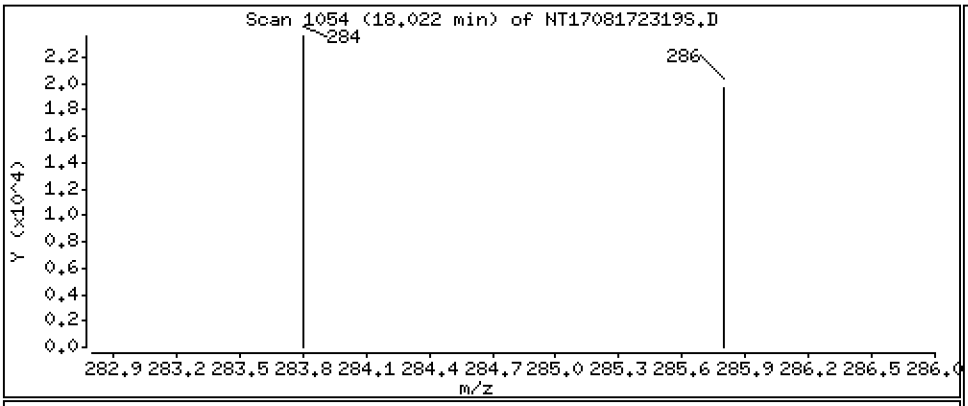
Operator: YZ

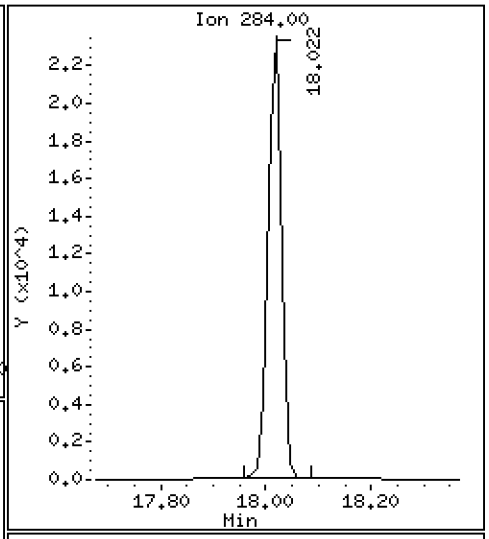
Column phase: ZB-5msi

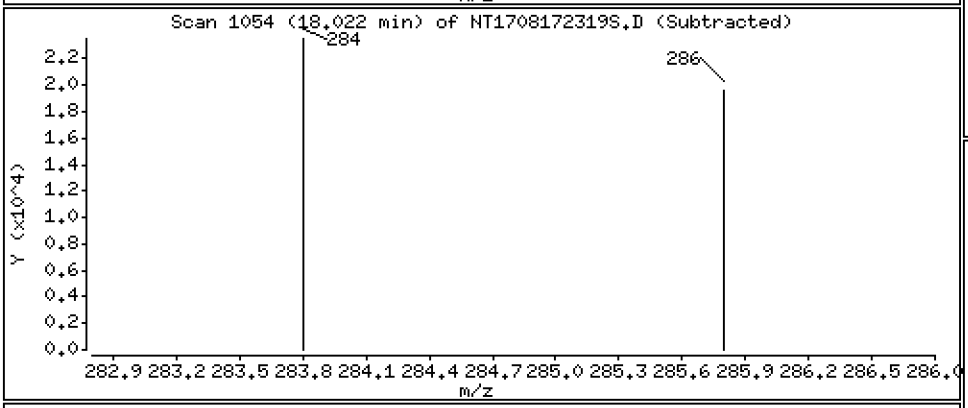
Column diameter: 0.25

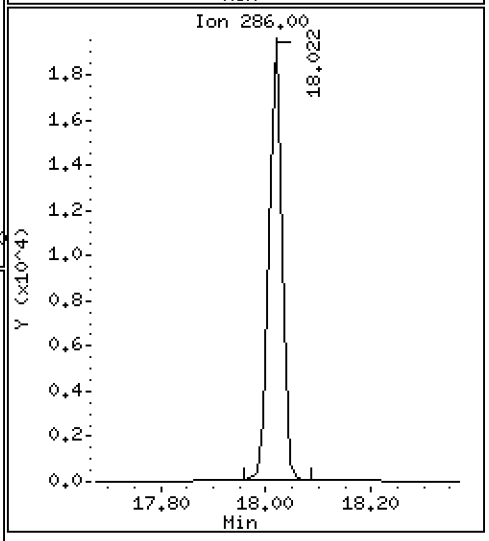
57 Hexachlorobenzene

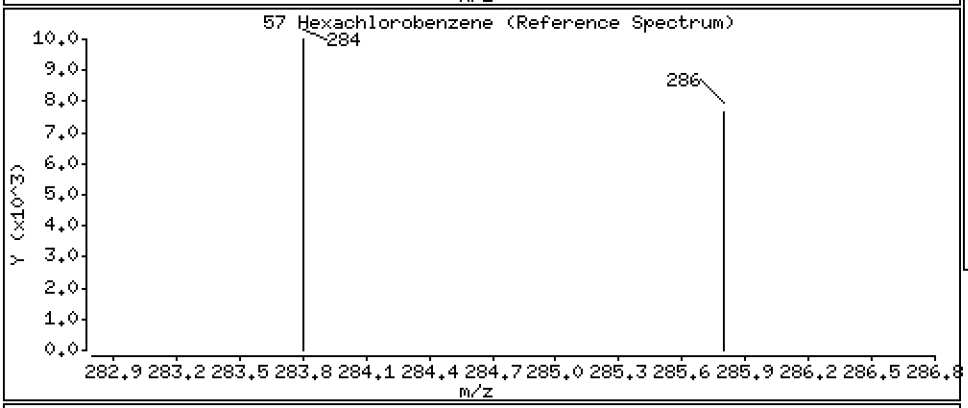
Concentration: 1.049 ug/mL

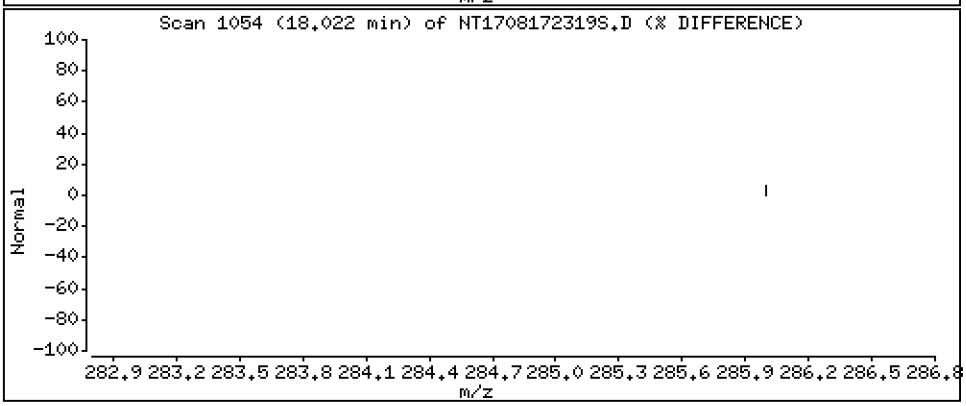












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172319S.D

Date : 18-AUG-2023 07:12

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

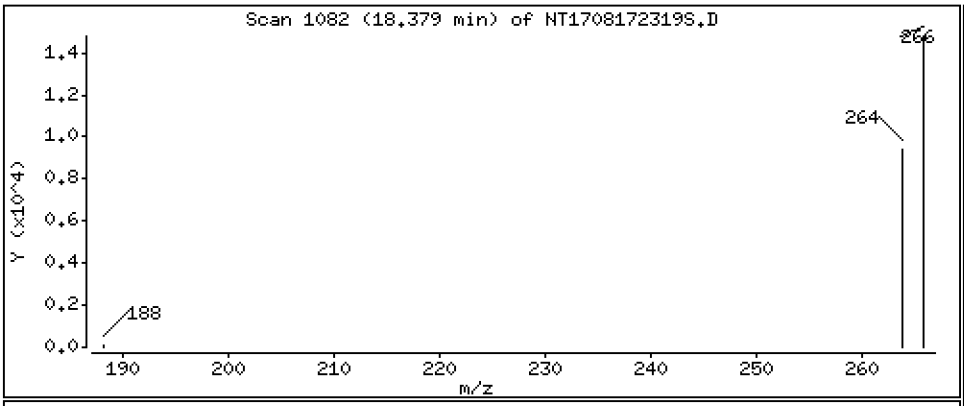
Operator: YZ

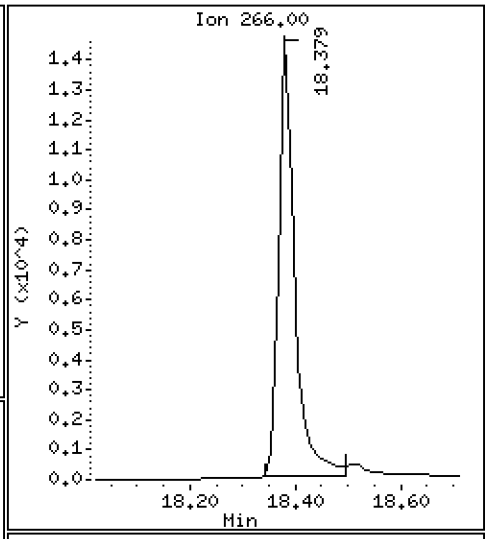
Column phase: ZB-5msi

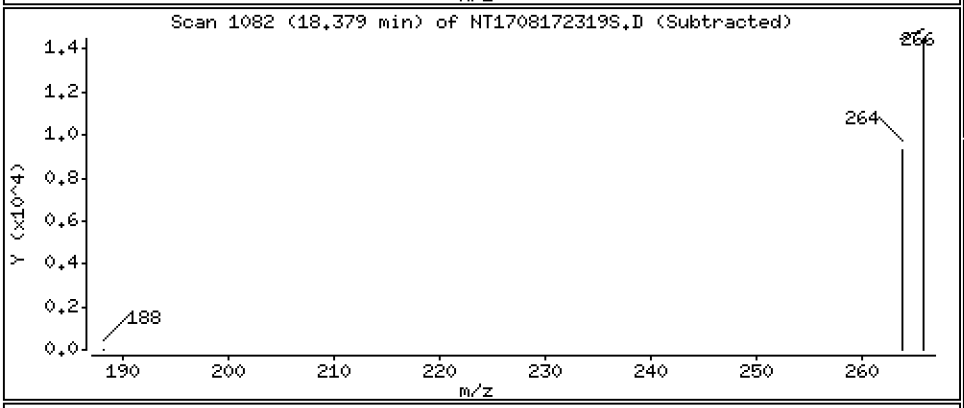
Column diameter: 0.25

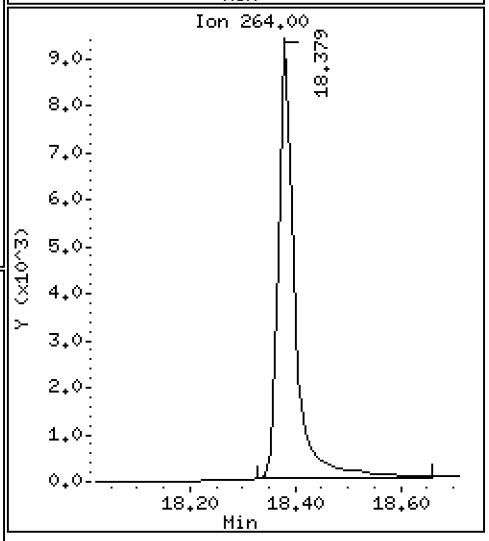
58 Pentachlorophenol

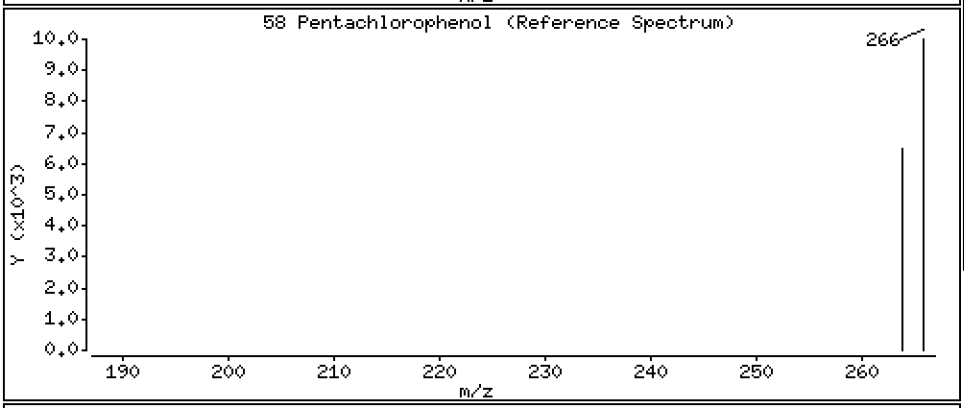
Concentration: 1.134 ug/mL

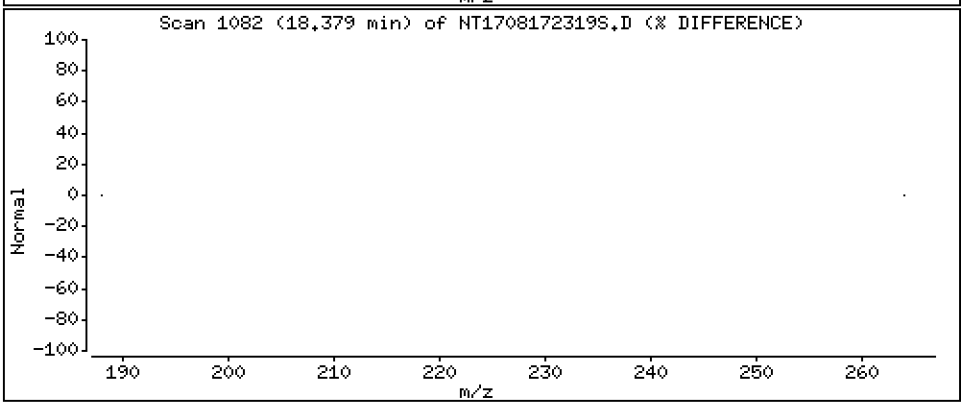












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172319S.D

Date : 18-AUG-2023 07:12

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

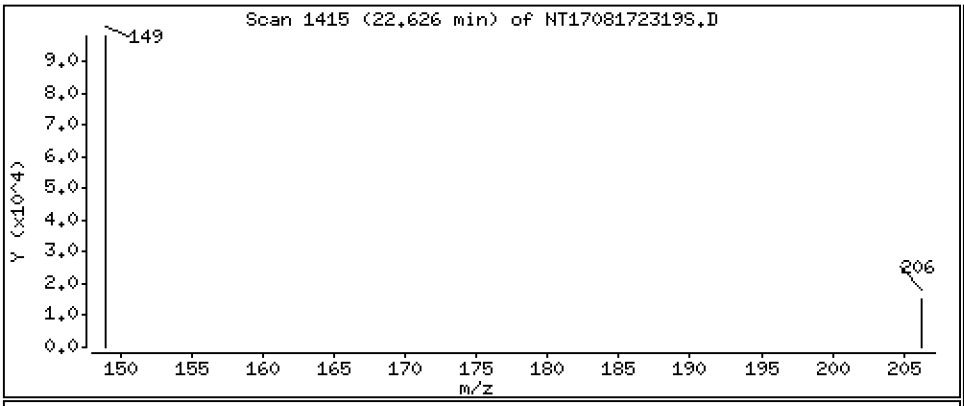
Operator: YZ

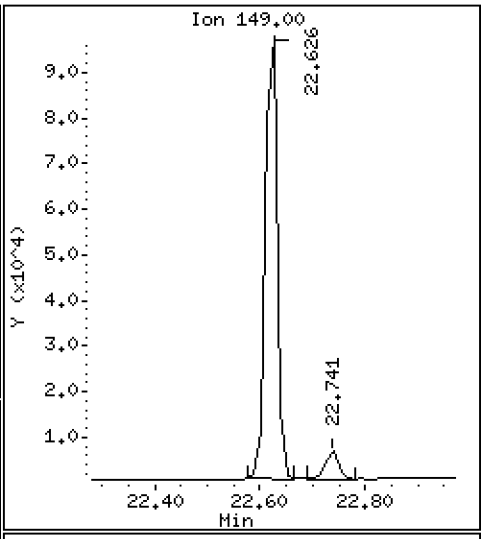
Column phase: ZB-5msi

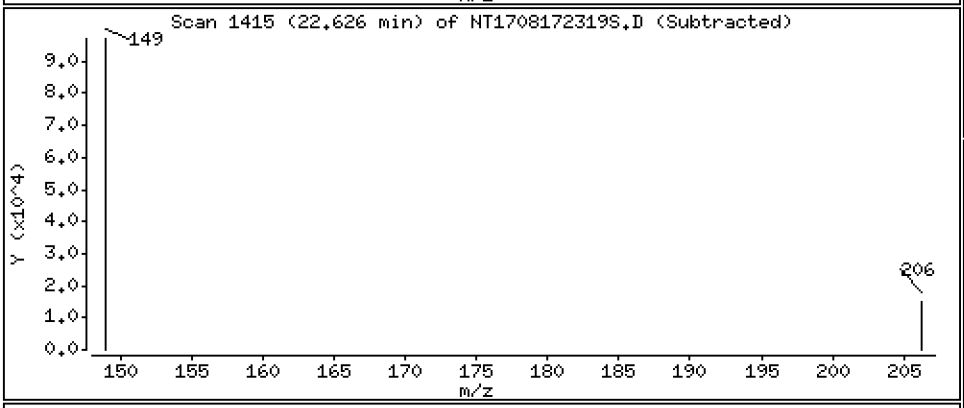
Column diameter: 0.25

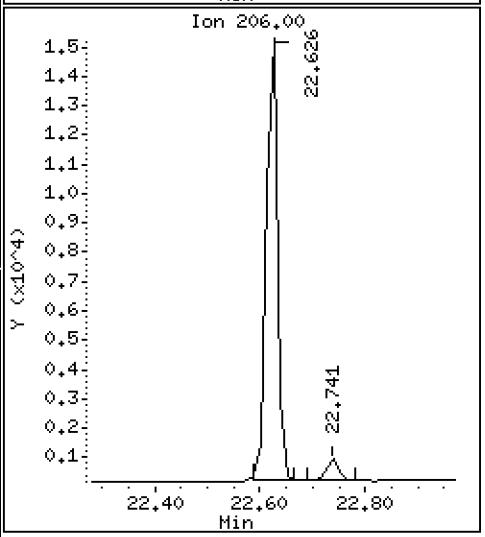
67 Butylbenzylphthalate

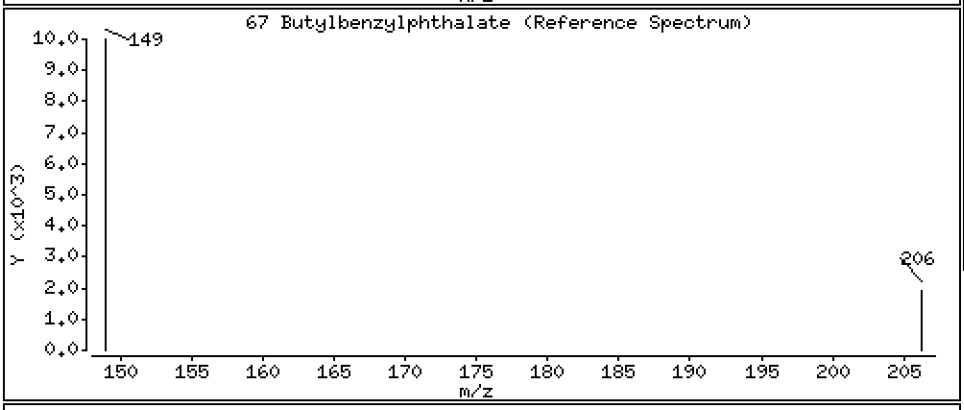
Concentration: 1.074 ug/mL

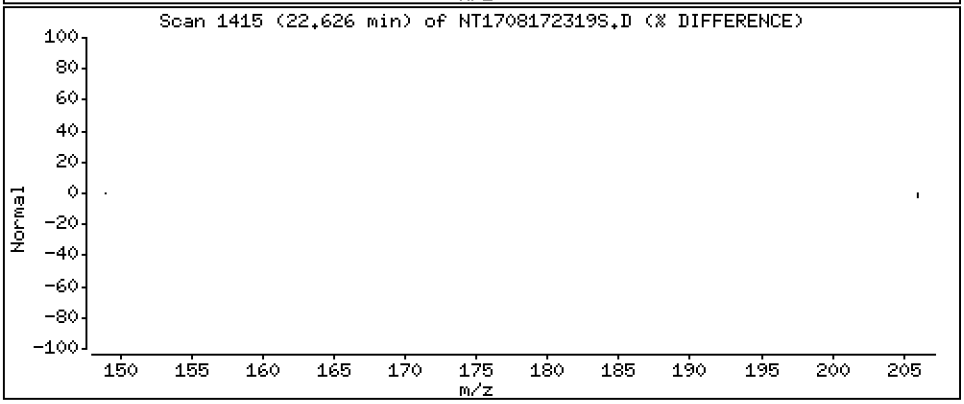












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172319S.D

Date : 18-AUG-2023 07:12

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

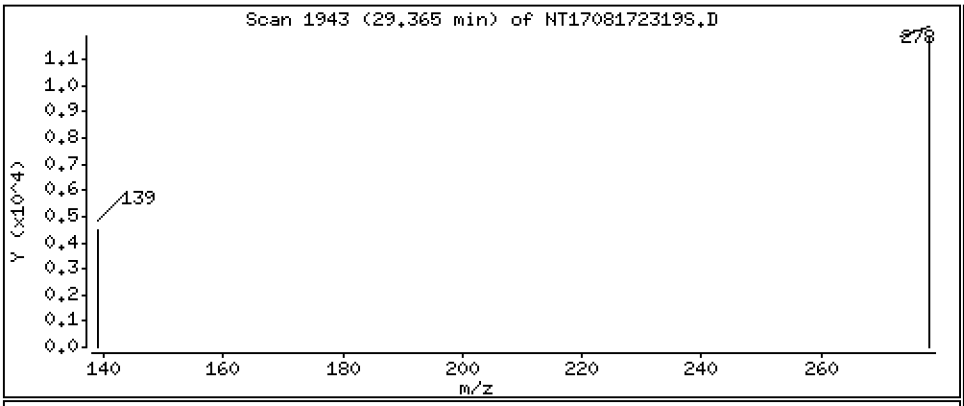
Operator: YZ

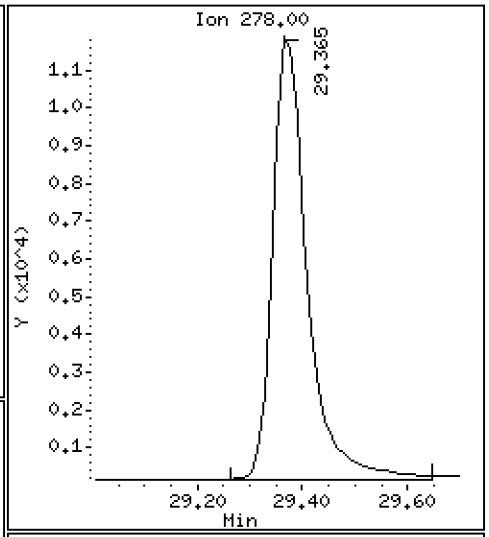
Column phase: ZB-5msi

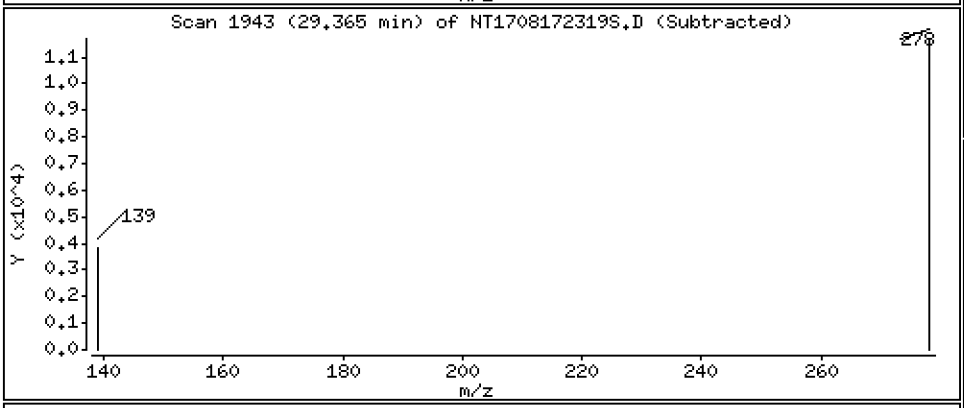
Column diameter: 0.25

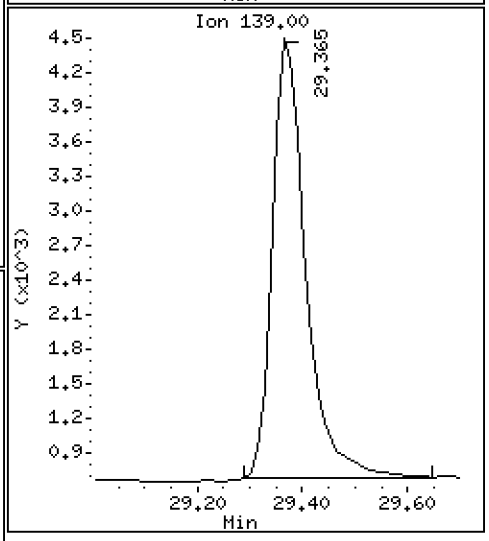
79 Dibenzo(a,h)anthracene

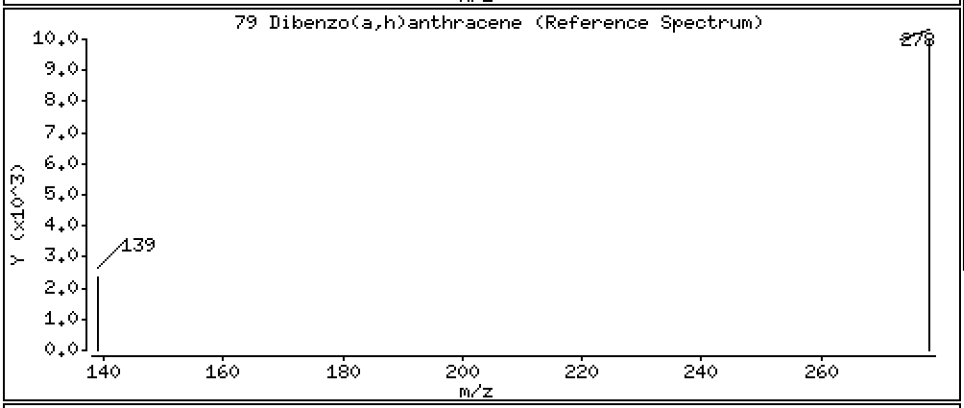
Concentration: 0.4409 ug/mL

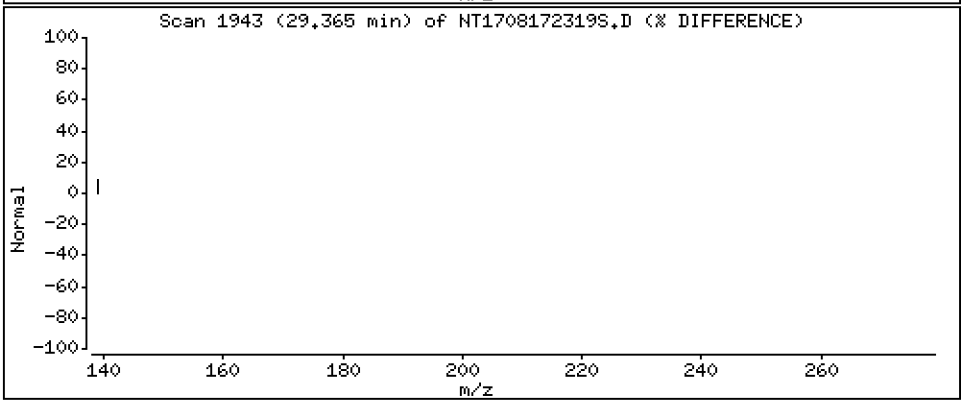












Data File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172319S.D

Date : 18-AUG-2023 07:12

Client ID:

Instrument: nt17.i

Sample Info: SEQ-CCV2

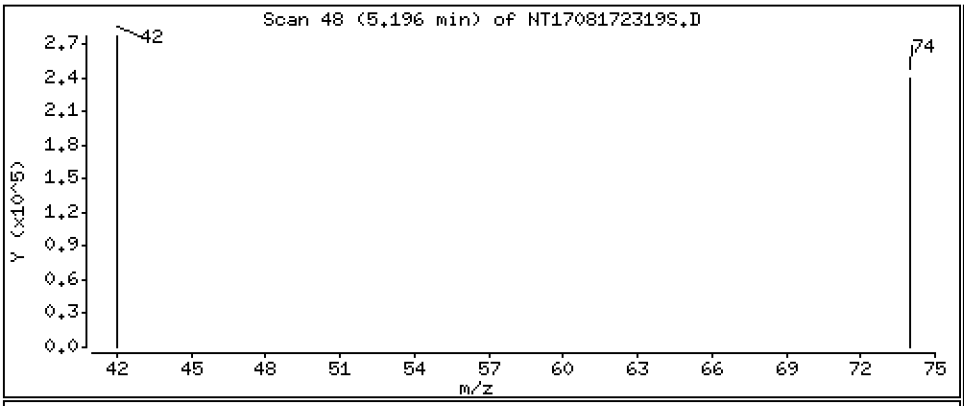
Operator: YZ

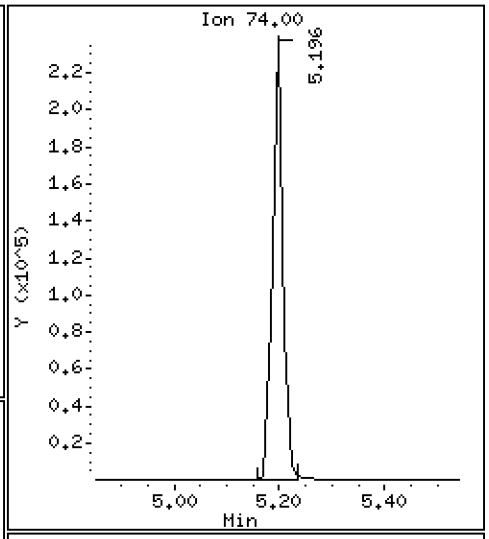
Column phase: ZB-5msi

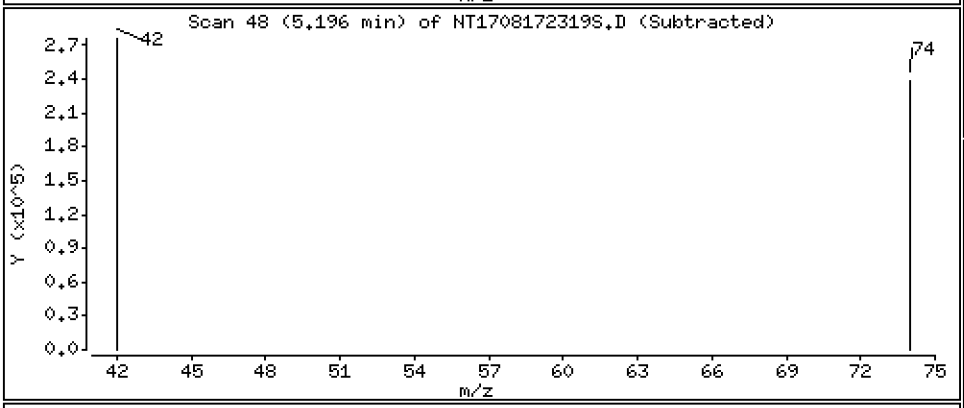
Column diameter: 0.25

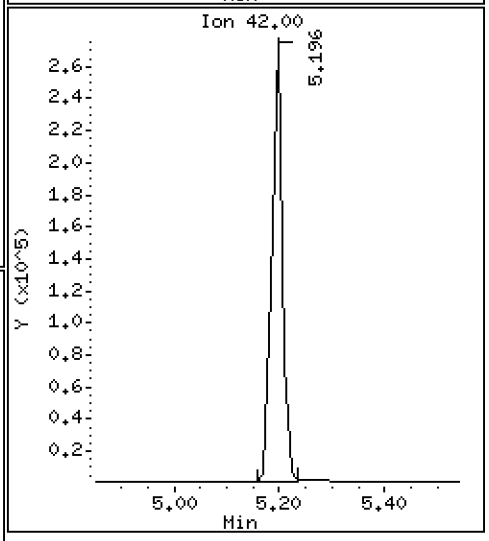
90 N-Nitrosodimethylamine

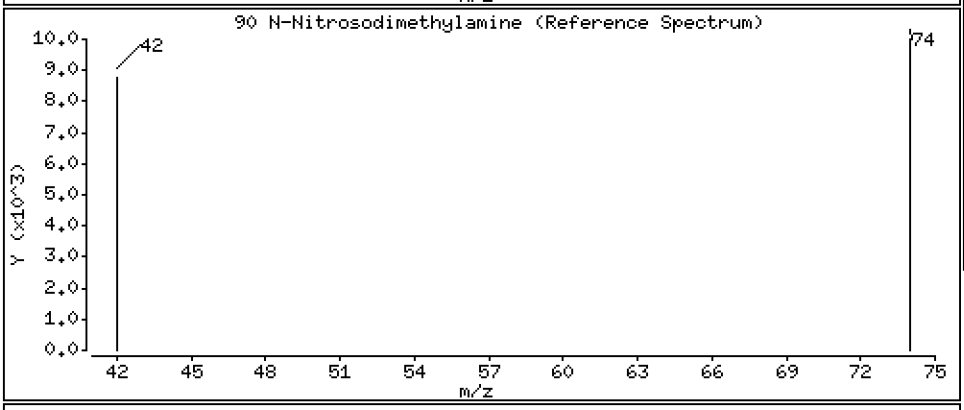
Concentration: 2.214 ug/mL

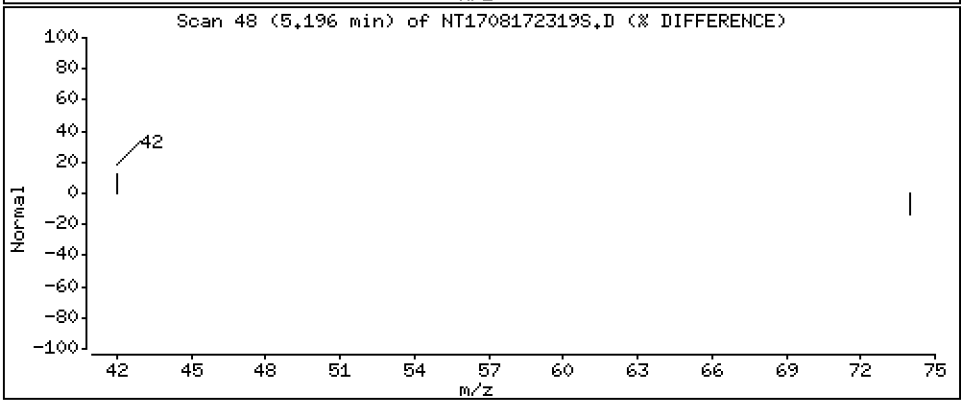












ARI Labs, Inc.

METHOD 8270D-SIM

Data file : \\target\share\chem3\nt17.i\20230817.b\SIM.b\NT1708172319S.D
Lab Smp Id: SEQ-CCV2
Inj Date : 18-AUG-2023 07:12
Operator : YZ Inst ID: nt17.i
Smp Info : SEQ-CCV2
Misc Info :
Comment :
Method : \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Meth Date : 19-Aug-2023 11:00 JoshuaR Quant Type: ISTD
Cal Date : 10-AUG-2023 16:53 Cal File: NT1708102309S.D
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 4.14
Processing Host: JOSHR-201909

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	7.298	7.285	(0.767)	240763	1.71731	1.717(R)
	3 Phenol	94	8.891	8.878	(0.934)	217436	1.01739	1.017
	7 1,3-Dichlorobenzene	146	9.451	9.451	(0.993)	145863	1.00899	1.009
*	8 1,4-Dichlorobenzene-d4	152	9.515	9.515	(1.000)	337646	4.00000	
	9 1,4-Dichlorobenzene	146	9.554	9.554	(1.004)	138096	0.98708	0.9871
	11 Benzyl alcohol	79	9.873	9.784	(1.038)	140934	0.95276	0.9528
	12 1,2-Dichlorobenzene	146	9.911	9.911	(1.042)	136367	1.00483	1.005
	13 2-Methylphenol	108	10.001	9.988	(1.051)	145664	1.12405	1.124
	15 4-Methylphenol	108	10.269	10.256	(1.079)	139184	1.02762	1.028
	16 N-Nitroso-di-n-propylamine	70	10.333	10.333	(1.086)	157494	1.13710	1.137
	22 2,4-Dimethylphenol	107	11.304	11.304	(0.942)	264916	2.01395	2.014
	24 Benzoic acid	105	11.444	11.431	(0.953)	350422	4.00756	4.008
	26 1,2,4-Trichlorobenzene	180	11.916	11.916	(0.993)	89999	1.00137	1.001
*	27 Naphthalene-d8	136	12.006	12.005	(1.000)	1311010	4.00000	
	30 Hexachlorobutadiene	225	12.388	12.388	(1.032)	42509	1.00996	1.010
	39 Dimethylphthalate	163	15.091	15.091	(0.967)	209525	1.12134	1.121
*	42 Acenaphthene-d10	162	15.614	15.614	(1.000)	574899	4.00000	
	50 Diethylphthalate	149	16.545	16.545	(1.060)	233313	1.20087	1.201
	54 N-Nitrosodiphenylamine	169	16.939	16.939	(0.908)	148743	1.21638	1.216
	57 Hexachlorobenzene	284	18.021	18.021	(0.966)	42010	1.04858	1.049
	58 Pentachlorophenol	266	18.379	18.366	(0.986)	30832	1.13404	1.134
*	59 Phenanthrene-d10	188	18.646	18.646	(1.000)	850574	4.00000	
$	66 Terphenyl-d14	244	21.720	21.720	(0.920)	84158	1.11813	1.118(R)
	67 Butylbenzylphthalate	149	22.625	22.625	(0.958)	155079	1.07450	1.074
*	69 Chrysene-d12	240	23.620	23.620	(1.000)	543906	4.00000	
*	77 Perylene-d12	264	26.427	26.414	(1.000)	411979	4.00000	
	79 Dibenzo(a,h)anthracene	278	29.365	29.352	(1.111)	53653	0.44092	0.4409
	90 N-Nitrosodimethylamine	74	5.196	5.196	(0.546)	315820	2.21383	2.214

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt17.i Calibration Date: 17-AUG-2023
Lab File ID: NT1708172319S.D Calibration Time: 20:49
Lab Smp Id: SEQ-CCV2
Analysis Type: SV Level:
Quant Type: ISTD Sample Type:
Operator: YZ
Method File: \\target\share\chem3\nt17.i\20230817.b\SIM.b\SIMABN2.m
Misc Info:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	348452	174226	696904	337646	-3.10
27 Naphthalene-d8	1404170	702085	2808340	1311010	-6.63
42 Acenaphthene-d10	619161	309581	1238322	574899	-7.15
59 Phenanthrene-d10	992768	496384	1985536	850574	-14.32
69 Chrysene-d12	642334	321167	1284668	543906	-15.32
77 Perylene-d12	573362	286681	1146724	411979	-28.15

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.52	9.02	10.02	9.52	0.00
27 Naphthalene-d8	12.01	11.51	12.51	12.01	0.00
42 Acenaphthene-d10	15.61	15.11	16.11	15.61	0.00
59 Phenanthrene-d10	18.65	18.15	19.15	18.65	0.00
69 Chrysene-d12	23.62	23.12	24.12	23.62	0.00
77 Perylene-d12	26.41	25.91	26.91	26.43	0.05

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

REVIEW SUMMARY FOR FILE - NT1708172319S.D

Lab ID: SEQ-CCV2
nt17.i, 20230817.b\SIM.b\SIMABN2.m,   18-AUG-2023 07:12

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
1.038	1.028	0.0094	Benzyl alcohol

RRT check based on Ccal File: SIM.b/NT1708172303S.D

On Column LOD for nt17.i, SIM.b\SIMABN2.m, PSDDA.sub = 0.0000

Exception: 1,2,4-Trichlorobenzene 0.0010

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

Analytical Resources, LLC
Analytical Chemists and Consultants

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Sequence:	SLH0217	Instrument:	NT17
		Calibration:	GH00045

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
MS Tune	SLH0217-TUN1	NT1708102301S.D	NA	08/10/23 12:15
CAL 10.0	SLH0217-CAL8	NT1708102303S.D	NA	08/10/23 13:09
CAL 5.0	SLH0217-CAL7	NT1708102304S.D	NA	08/10/23 13:47
CAL 2.5	SLH0217-CAL6	NT1708102305S.D	NA	08/10/23 14:24
CAL 1.0	SLH0217-CAL5	NT1708102306S.D	NA	08/10/23 15:01
CAL 0.50	SLH0217-CAL4	NT1708102307S.D	NA	08/10/23 15:38
CAL 0.20	SLH0217-CAL3	NT1708102308S.D	NA	08/10/23 16:16
CAL 0.10	SLH0217-CAL2	NT1708102309S.D	NA	08/10/23 16:53
CAL 0.05	SLH0217-CAL1	NT1708102310S.D	NA	08/10/23 17:30
Initial Cal Blank	SLH0217-ICB1	NT1708102311S.D	NA	08/10/23 18:08
SCV 5.0	SLH0217-SCV1	NT1708102312S.D	NA	08/10/23 18:45

Analytical Resources, LLC
Analytical Chemists and Consultants

ANALYSIS SEQUENCE

SLH0217

Instrument: NT17
Calibration ID: GH00045

Printed: 8/16/2023 2:03:57PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
SLH0217-TUN1	QC		1		L005045			
SLH0217-CAL8	QC		2		L009088	L006982		
SLH0217-CAL7	QC		3		L009089	L006982		
SLH0217-CAL6	QC		4		L009090	L006982		
SLH0217-CAL5	QC		5		L009091	L006982		
SLH0217-CAL4	QC		6		L009092	L006982		
SLH0217-CAL3	QC		7		L009093	L006982		
SLH0217-CAL2	QC		8		L009094	L006982		
SLH0217-CAL1	QC		9		L009095	L006982		
SLH0217-ICB1	QC		10		L006701	L006982		
SLH0217-SCV1	QC		11		L006700	L006982		

Samples Loaded By Date

Data Processed By Date

GC LOG SUMMARY FOR DATABATCH - \\target\share\chem3\nt17.i\20230810.b\SIM.B

	Inject Date/Time	Filename	DF	LabID	ClientID
1	10-AUG-2023 12:32	NT1708102302S.D	1	SEQ-CAL7	
2	10-AUG-2023 13:09	NT1708102303S.D	1	SEQ-CAL6	
3	10-AUG-2023 13:47	NT1708102304S.D	1	SEQ-CAL5	
4	10-AUG-2023 14:24	NT1708102305S.D	1	SEQ-CAL4	
5	10-AUG-2023 15:01	NT1708102306S.D	1	SEQ-CAL3	
6	10-AUG-2023 15:38	NT1708102307S.D	1	SEQ-CAL2	
7	10-AUG-2023 16:16	NT1708102308S.D	1	SEQ-CAL1	
8	10-AUG-2023 16:53	NT1708102309S.D	1	SEQ-SIM2	
9	10-AUG-2023 17:30	NT1708102310S.D	1	SEQ-SIM1	
10	10-AUG-2023 18:08	NT1708102311S.D	1	SEQ-ICB1	
11	10-AUG-2023 18:45	NT1708102312S.D	1	SEQ-SCV1	

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt17.i\20230810.b\SIM.B

ARI Job No.: SEQ- Method: SIM.B\SIMABN2.m Instrument: nt17.i Date: 10-AUG-2023

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1232	NT1708102302S.D	SEQ-CAL7		1	NO MANUAL INTEGRATION
1309	NT1708102303S.D	SEQ-CAL6		1	NO MANUAL INTEGRATION
1347	NT1708102304S.D	SEQ-CAL5		1	NO MANUAL INTEGRATION
1424	NT1708102305S.D	SEQ-CAL4		1	NO MANUAL INTEGRATION
1501	NT1708102306S.D	SEQ-CAL3		1	NO MANUAL INTEGRATION
1538	NT1708102307S.D	SEQ-CAL2		1	N-Nitrosodimethylamine, 2-Fluorophenol,
1616	NT1708102308S.D	SEQ-CAL1		1	N-Nitrosodimethylamine, 2-Fluorophenol,
1653	NT1708102309S.D	SEQ-SIM2		1	Benzoic acid, N-Nitrosodimethylamine, Hexachlorobenzene, Pentachlorophenol, 2-Fluorophenol,
1730	NT1708102310S.D	SEQ-SIM1		1	N-Nitrosodimethylamine, Pentachlorophenol, 2-Fluorophenol,
1808	NT1708102311S.D	SEQ-ICB1		1	2-Fluorophenol,
1845	NT1708102312S.D	SEQ-SCV1		1	N-Nitrosodimethylamine,

Security Status Report

Date: 16-Aug-2023 15:17

NT1708102302S.D	Data Locked	jrains, 16-Aug-2023 15:17
NT1708102303S.D	Data Locked	jrains, 16-Aug-2023 15:17
NT1708102304S.D	Data Locked	jrains, 16-Aug-2023 15:17
NT1708102305S.D	Data Locked	jrains, 16-Aug-2023 15:17
NT1708102306S.D	Data Locked	jrains, 16-Aug-2023 15:17
NT1708102307S.D	Data Locked	jrains, 16-Aug-2023 15:17
NT1708102308S.D	Data Locked	jrains, 16-Aug-2023 15:17
NT1708102309S.D	Data Locked	jrains, 16-Aug-2023 15:17
NT1708102310S.D	Data Locked	jrains, 16-Aug-2023 15:17
NT1708102311S.D	Data Locked	jrains, 16-Aug-2023 15:17
NT1708102312S.D	Data Locked	jrains, 16-Aug-2023 15:17

Analytical Resources, LLC
Analytical Chemists and Consultants

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Sequence:	SLH0248	Instrument:	NT17
		Calibration:	GH00045

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
MS Tune	SLH0248-TUN1	NT1708112301S.D	NA	08/11/23 12:33
Initial Cal Check	SLH0248-ICV1	NT1708112303S.D	NA	08/11/23 13:27
ZZZZZ	BLG0094-BLK1	NT1708112306S.D	Solid	08/11/23 15:21
ZZZZZ	BLG0094-BS1	NT1708112307S.D	Solid	08/11/23 15:59
ZZZZZ	23F0630-01	NT1708112308S.D	Solid	08/11/23 16:36
ZZZZZ	23F0630-02	NT1708112309S.D	Solid	08/11/23 17:14
ZZZZZ	23F0630-03	NT1708112310S.D	Solid	08/11/23 17:51
ZZZZZ	23F0630-04	NT1708112311S.D	Solid	08/11/23 18:28
Blank	BLH0180-BLK2	NT1708112312S.D	Solid	08/11/23 19:06
LCS	BLH0180-BS2	NT1708112313S.D	Solid	08/11/23 19:43
LCS Dup	BLH0180-BSD2	NT1708112314S.D	Solid	08/11/23 20:20
LDW23-SS1068	BLH0180-MS2	NT1708112315S.D	Solid	08/11/23 20:57
LDW23-SS1068	BLH0180-MSD2	NT1708112316S.D	Solid	08/11/23 21:35
LDW23-SS1233	23H0221-01	NT1708112317S.D	Solid	08/11/23 22:12
LDW23-SS1068	23H0221-02	NT1708112318S.D	Solid	08/11/23 22:49
Calibration Check	SLH0248-CCV1	NT1708112320S.D	NA	08/12/23 00:02

Analytical Resources, LLC
Analytical Chemists and Consultants

ANALYSIS SEQUENCE

SLH0248

Instrument: NT17
Calibration ID: GH00045

Printed: 8/16/2023 2:04:59PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
SLH0248-TUN1	QC		1		L005045			
SLH0248-ICV1	QC		2		L009091	L006982		
BLG0094-BLK1	QC		3			L006982		
BLG0094-BS1	QC		4			L006982		
23F0630-01	8270E-SIM Dual Scan SVOC	A 03	5			L006982	Analytical Resources, Inc. QA Department	
23F0630-02	8270E-SIM Dual Scan SVOC	A 03	6			L006982	Analytical Resources, Inc. QA Department	
23F0630-03	8270E-SIM Dual Scan SVOC	A 03	7			L006982	Analytical Resources, Inc. QA Department	
23F0630-04	8270E-SIM Dual Scan SVOC	A 03	8			L006982	Analytical Resources, Inc. QA Department	
BLH0180-BLK2	QC		9			L006982		
BLH0180-BSD2	QC		10			L006982		
BLH0180-BS2	QC		11			L006982		
BLH0180-MSD2	QC		12			L006982		
BLH0180-MS2	QC		13			L006982		
23H0221-01	8270E-SIM Dual Scan SVOC	B 01	14			L006982	Anchor QEA, LLC	
23H0221-02	8270E-SIM Dual Scan SVOC	B 01	15			L006982	Anchor QEA, LLC	
SLH0248-CCV1	QC		16		L009091	L006982		

Samples Loaded By Date

Data Processed By Date

Analytical Resources, LLC
Analytical Chemists and Consultants

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Sequence:	SLH0293	Instrument:	NT17
		Calibration:	GH00045

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
MS Tune	SLH0293-TUN1	NT1708172301.D	NA	08/17/23 19:52
Initial Cal Check	SLH0293-ICV1	NT1708172303S.D	NA	08/17/23 20:49
Blank	BLH0329-BLK1	NT1708172306S.D	Solid	08/17/23 22:42
LCS	BLH0329-BS1	NT1708172307S.D	Solid	08/17/23 23:20
LCS Dup	BLH0329-BSD1	NT1708172308S.D	Solid	08/17/23 23:57
LDW23-SS1807	BLH0329-MS1	NT1708172309S.D	Solid	08/18/23 00:35
LDW23-SS1807	BLH0329-MSD1	NT1708172310S.D	Solid	08/18/23 01:12
Reference	BLH0329-SRM1	NT1708172311S.D	Solid	08/18/23 01:50
LDW23-SS1071	23H0221-03	NT1708172312S.D	Solid	08/18/23 02:27
LDW23-SS1078	23H0221-04	NT1708172313S.D	Solid	08/18/23 03:04
LDW23-SS1807	23H0221-05	NT1708172314S.D	Solid	08/18/23 03:41
LDW23-SS1055	23H0221-06	NT1708172315S.D	Solid	08/18/23 04:19
LDW23-SS1034	23H0221-07	NT1708172316S.D	Solid	08/18/23 04:56
LDW23-SS1806	23H0221-08	NT1708172317S.D	Solid	08/18/23 05:33
Calibration Check	SLH0293-CCV1	NT1708172319S.D	NA	08/18/23 07:12

SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG/WO:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Sequence:	SLH0217	Instrument:	NT17
Calibration:	GH00045	Calibration Date:	08/10/2023

Surrogate Compound	Spike Level ug/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLH0217-ICB1 (Solid)			Lab File ID: NT1708102311S.D			Analyzed: 08/10/23 18:08		
2-Fluorophenol	7.5000	101	27 - 120	7.298	7.3045	-0.0065	N/A	
p-Terphenyl-d14	5.0000	103	37 - 120	21.745	21.745	0.0000	N/A	
SLH0217-SCV1 (Solid)			Lab File ID: NT1708102312S.D			Analyzed: 08/10/23 18:45		
2-Fluorophenol	7.5000		0 - 200		7.3045	-7.3045	N/A	
p-Terphenyl-d14	5.0000		0 - 200		21.745	-21.7450	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG/WO:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Sequence:	SLH0248	Instrument:	NT17
Calibration:	GH00045	Calibration Date:	08/10/2023

Surrogate Compound	Spike Level ug/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLH0248-ICV1 (Solid)				Lab File ID: NT1708112303S.D			Analyzed: 08/11/23 13:27	
2-Fluorophenol	1.5000	109	80 - 120	7.298	7.3045	-0.0065	N/A	
p-Terphenyl-d14	1.0000	106	80 - 120	21.745	21.745	0.0000	N/A	
BLH0180-BLK2 (Solid)				Lab File ID: NT1708112312S.D			Analyzed: 08/11/23 19:06	
2-Fluorophenol	7.5000	55.7	27 - 120	7.311	7.3045	0.0065	N/A	
p-Terphenyl-d14	5.0000	70.6	37 - 120	21.745	21.745	0.0000	N/A	
BLH0180-BS2 (Solid)				Lab File ID: NT1708112313S.D			Analyzed: 08/11/23 19:43	
2-Fluorophenol	7.5000	69.9	27 - 120	7.311	7.3045	0.0065	N/A	
p-Terphenyl-d14	5.0000	84.4	37 - 120	21.745	21.745	0.0000	N/A	
BLH0180-BSD2 (Solid)				Lab File ID: NT1708112314S.D			Analyzed: 08/11/23 20:20	
2-Fluorophenol	7.5000	71.4	27 - 120	7.311	7.3045	0.0065	N/A	
p-Terphenyl-d14	5.0000	89.3	37 - 120	21.732	21.745	-0.0130	N/A	
BLH0180-MS2 (Solid)				Lab File ID: NT1708112315S.D			Analyzed: 08/11/23 20:57	
2-Fluorophenol	7.5000	67.0	27 - 120	7.311	7.3045	0.0065	N/A	
p-Terphenyl-d14	5.0000	77.9	37 - 120	21.745	21.745	0.0000	N/A	
BLH0180-MSD2 (Solid)				Lab File ID: NT1708112316S.D			Analyzed: 08/11/23 21:35	
2-Fluorophenol	7.5000	72.7	27 - 120	7.324	7.3045	0.0195	N/A	
p-Terphenyl-d14	5.0000	83.4	37 - 120	21.745	21.745	0.0000	N/A	
23H0221-01 (Solid)				Lab File ID: NT1708112317S.D			Analyzed: 08/11/23 22:12	
2-Fluorophenol	7.5000	48.4	27 - 120	7.324	7.3045	0.0195	N/A	
p-Terphenyl-d14	5.0000	81.2	37 - 120	21.745	21.745	0.0000	N/A	
23H0221-02 (Solid)				Lab File ID: NT1708112318S.D			Analyzed: 08/11/23 22:49	
2-Fluorophenol	7.5000	62.1	27 - 120	7.311	7.3045	0.0065	N/A	
p-Terphenyl-d14	5.0000	84.1	37 - 120	21.745	21.745	0.0000	N/A	
SLH0248-CCV1 (Solid)				Lab File ID: NT1708112320S.D			Analyzed: 08/12/23 00:02	
2-Fluorophenol	1.5000	116	50 - 150	7.311	7.3045	0.0065	N/A	
p-Terphenyl-d14	1.0000	116	50 - 150	21.745	21.745	0.0000	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG/WO:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Sequence:	SLH0293	Instrument:	NT17
Calibration:	GH00045	Calibration Date:	08/10/2023

Surrogate Compound	Spike Level ug/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLH0293-ICV1 (Solid)			Lab File ID: NT1708172303S.D			Analyzed: 08/17/23 20:49		
2-Fluorophenol	1.5000	115	80 - 120	7.285	7.3045	-0.0195	N/A	
p-Terphenyl-d14	1.0000	123	80 - 120	21.72	21.745	-0.0250	N/A	*
BLH0329-BLK1 (Solid)			Lab File ID: NT1708172306S.D			Analyzed: 08/17/23 22:42		
2-Fluorophenol	750.00	63.8	27 - 120	7.298	7.3045	-0.0065	N/A	
p-Terphenyl-d14	500.00	85.1	37 - 120	21.72	21.745	-0.0250	N/A	
BLH0329-BS1 (Solid)			Lab File ID: NT1708172307S.D			Analyzed: 08/17/23 23:20		
2-Fluorophenol	750.00	75.6	27 - 120	7.298	7.3045	-0.0065	N/A	
p-Terphenyl-d14	500.00	95.4	37 - 120	21.72	21.745	-0.0250	N/A	
BLH0329-BSD1 (Solid)			Lab File ID: NT1708172308S.D			Analyzed: 08/17/23 23:57		
2-Fluorophenol	750.00	73.1	27 - 120	7.298	7.3045	-0.0065	N/A	
p-Terphenyl-d14	500.00	93.5	37 - 120	21.719	21.745	-0.0260	N/A	
BLH0329-MS1 (Solid)			Lab File ID: NT1708172309S.D			Analyzed: 08/18/23 00:35		
2-Fluorophenol	750.00	67.9	27 - 120	7.298	7.3045	-0.0065	N/A	
p-Terphenyl-d14	500.00	99.1	37 - 120	21.72	21.745	-0.0250	N/A	
BLH0329-MSD1 (Solid)			Lab File ID: NT1708172310S.D			Analyzed: 08/18/23 01:12		
2-Fluorophenol	750.00	72.5	27 - 120	7.298	7.3045	-0.0065	N/A	
p-Terphenyl-d14	500.00	105	37 - 120	21.719	21.745	-0.0260	N/A	
BLH0329-SRM1 (Solid)			Lab File ID: NT1708172311S.D			Analyzed: 08/18/23 01:50		
2-Fluorophenol	7500.0	73.2	27 - 120	7.298	7.3045	-0.0065	N/A	
p-Terphenyl-d14	5000.0	97.3	37 - 120	21.72	21.745	-0.0250	N/A	
23H0221-03 (Solid)			Lab File ID: NT1708172312S.D			Analyzed: 08/18/23 02:27		
2-Fluorophenol	748.70	75.3	27 - 120	7.298	7.3045	-0.0065	N/A	
p-Terphenyl-d14	499.13	84.4	37 - 120	21.719	21.745	-0.0260	N/A	
23H0221-04 (Solid)			Lab File ID: NT1708172313S.D			Analyzed: 08/18/23 03:04		
2-Fluorophenol	746.80	74.1	27 - 120	7.311	7.3045	0.0065	N/A	
p-Terphenyl-d14	497.87	87.6	37 - 120	21.719	21.745	-0.0260	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG/WO:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Sequence:	SLH0293	Instrument:	NT17
Calibration:	GH00045	Calibration Date:	08/10/2023

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
23H0221-05 (Solid)			Lab File ID: NT1708172314S.D			Analyzed: 08/18/23 03:41		
2-Fluorophenol	747.31	67.7	27 - 120	7.298	7.3045	-0.0065	N/A	
p-Terphenyl-d14	498.21	100	37 - 120	21.719	21.745	-0.0260	N/A	
23H0221-06 (Solid)			Lab File ID: NT1708172315S.D			Analyzed: 08/18/23 04:19		
2-Fluorophenol	745.35	71.0	27 - 120	7.311	7.3045	0.0065	N/A	
p-Terphenyl-d14	496.90	95.9	37 - 120	21.719	21.745	-0.0260	N/A	
23H0221-07 (Solid)			Lab File ID: NT1708172316S.D			Analyzed: 08/18/23 04:56		
2-Fluorophenol	749.85	70.6	27 - 120	7.311	7.3045	0.0065	N/A	
p-Terphenyl-d14	499.90	78.0	37 - 120	21.732	21.745	-0.0130	N/A	
23H0221-08 (Solid)			Lab File ID: NT1708172317S.D			Analyzed: 08/18/23 05:33		
2-Fluorophenol	747.54	70.2	27 - 120	7.311	7.3045	0.0065	N/A	
p-Terphenyl-d14	498.36	89.5	37 - 120	21.719	21.745	-0.0260	N/A	
SLH0293-CCV1 (Solid)			Lab File ID: NT1708172319S.D			Analyzed: 08/18/23 07:12		
2-Fluorophenol	1.5000	114	50 - 150	7.298	7.3045	-0.0065	N/A	
p-Terphenyl-d14	1.0000	112	50 - 150	21.72	21.745	-0.0250	N/A	

Analytical Resources, LLC
Analytical Chemists and Consultants

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Sequence:	SLH0217	Instrument:	NT17
		Calibration:	GH00045

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Blank (SLH0217-ICB1)		(Solid)	Lab File ID: NT1708102311S.D					Analyzed: 08/10/23 18:08	
1,4-Dichlorobenzene-d4	282360	9.541	319389	9.541	88	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1137473	12.018	1274686	12.018	89	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	492085	15.627	569885	15.64	86	50 - 200	-0.013	+/-0.50	
Phenanthrene-d10	785136	18.659	915829	18.672	86	50 - 200	-0.013	+/-0.50	
Chrysene-d12	567403	23.646	653460	23.646	87	50 - 200	0.000	+/-0.50	
Perylene-d12	571894	26.452	654887	26.452	87	50 - 200	0.000	+/-0.50	
Secondary Cal Check (SLH0217-SCV1)		(Solid)	Lab File ID: NT1708102312S.D					Analyzed: 08/10/23 18:45	
1,4-Dichlorobenzene-d4	267754	9.541	319389	9.541	84	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1096182	12.031	1274686	12.018	86	50 - 200	0.013	+/-0.50	
Acenaphthene-d10	498001	15.64	569885	15.64	87	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	810370	18.672	915829	18.672	88	50 - 200	0.000	+/-0.50	
Chrysene-d12	587436	23.646	653460	23.646	90	50 - 200	0.000	+/-0.50	
Perylene-d12	595930	26.452	654887	26.452	91	50 - 200	0.000	+/-0.50	

Analytical Resources, LLC
Analytical Chemists and Consultants

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Sequence:	SLH0248	Instrument:	NT17
		Calibration:	GH00045

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (SLH0248-ICV1)		(Solid)	Lab File ID: NT1708112303S.D				Analyzed: 08/11/23 13:27		
1,4-Dichlorobenzene-d4	295324	9.541	295324	9.541	100	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1172715	12.018	1172715	12.018	100	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	521273	15.627	521273	15.627	100	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	837823	18.659	837823	18.659	100	50 - 200	0.000	+/-0.50	
Chrysene-d12	615517	23.646	615517	23.646	100	50 - 200	0.000	+/-0.50	
Perylene-d12	594634	26.452	594634	26.452	100	50 - 200	0.000	+/-0.50	
Blank (BLH0180-BLK2)		(Solid)	Lab File ID: NT1708112312S.D				Analyzed: 08/11/23 19:06		
1,4-Dichlorobenzene-d4	297737	9.541	295324	9.541	101	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1248020	12.018	1172715	12.018	106	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	554198	15.627	521273	15.627	106	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	887885	18.659	837823	18.659	106	50 - 200	0.000	+/-0.50	
Chrysene-d12	641634	23.646	615517	23.646	104	50 - 200	0.000	+/-0.50	
Perylene-d12	615375	26.452	594634	26.452	103	50 - 200	0.000	+/-0.50	
LCS (BLH0180-BS2)		(Solid)	Lab File ID: NT1708112313S.D				Analyzed: 08/11/23 19:43		
1,4-Dichlorobenzene-d4	271780	9.541	295324	9.541	92	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1131212	12.018	1172715	12.018	96	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	509819	15.64	521273	15.627	98	50 - 200	0.013	+/-0.50	
Phenanthrene-d10	824057	18.672	837823	18.659	98	50 - 200	0.013	+/-0.50	
Chrysene-d12	583331	23.646	615517	23.646	95	50 - 200	0.000	+/-0.50	
Perylene-d12	590873	26.452	594634	26.452	99	50 - 200	0.000	+/-0.50	
LCS Dup (BLH0180-BSD2)		(Solid)	Lab File ID: NT1708112314S.D				Analyzed: 08/11/23 20:20		
1,4-Dichlorobenzene-d4	285765	9.541	295324	9.541	97	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1184883	12.018	1172715	12.018	101	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	528717	15.64	521273	15.627	101	50 - 200	0.013	+/-0.50	
Phenanthrene-d10	857321	18.672	837823	18.659	102	50 - 200	0.013	+/-0.50	
Chrysene-d12	581930	23.646	615517	23.646	95	50 - 200	0.000	+/-0.50	
Perylene-d12	613224	26.452	594634	26.452	103	50 - 200	0.000	+/-0.50	

Analytical Resources, LLC
Analytical Chemists and Consultants

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Sequence:	SLH0248	Instrument:	NT17
		Calibration:	GH00045

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (BLH0180-MS2)		(Solid)	Lab File ID: NT1708112315S.D				Analyzed: 08/11/23 20:57		
1,4-Dichlorobenzene-d4	277367	9.541	295324	9.541	94	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1143757	12.018	1172715	12.018	98	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	514461	15.64	521273	15.627	99	50 - 200	0.013	+/-0.50	
Phenanthrene-d10	830080	18.672	837823	18.659	99	50 - 200	0.013	+/-0.50	
Chrysene-d12	557244	23.646	615517	23.646	91	50 - 200	0.000	+/-0.50	
Perylene-d12	530402	26.465	594634	26.452	89	50 - 200	0.013	+/-0.50	
Matrix Spike Dup (BLH0180-MSD2)		(Solid)	Lab File ID: NT1708112316S.D				Analyzed: 08/11/23 21:35		
1,4-Dichlorobenzene-d4	270616	9.541	295324	9.541	92	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1116284	12.018	1172715	12.018	95	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	501754	15.64	521273	15.627	96	50 - 200	0.013	+/-0.50	
Phenanthrene-d10	803905	18.672	837823	18.659	96	50 - 200	0.013	+/-0.50	
Chrysene-d12	550093	23.646	615517	23.646	89	50 - 200	0.000	+/-0.50	
Perylene-d12	530766	26.452	594634	26.452	89	50 - 200	0.000	+/-0.50	
LDW23-SS1233 (23H0221-01)		(Solid)	Lab File ID: NT1708112317S.D				Analyzed: 08/11/23 22:12		
1,4-Dichlorobenzene-d4	286949	9.541	295324	9.541	97	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1192209	12.018	1172715	12.018	102	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	531289	15.627	521273	15.627	102	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	839886	18.672	837823	18.659	100	50 - 200	0.013	+/-0.50	
Chrysene-d12	570479	23.659	615517	23.646	93	50 - 200	0.013	+/-0.50	
Perylene-d12	542672	26.478	594634	26.452	91	50 - 200	0.026	+/-0.50	
LDW23-SS1068 (23H0221-02)		(Solid)	Lab File ID: NT1708112318S.D				Analyzed: 08/11/23 22:49		
1,4-Dichlorobenzene-d4	289859	9.541	295324	9.541	98	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1210872	12.018	1172715	12.018	103	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	539377	15.627	521273	15.627	103	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	854812	18.672	837823	18.659	102	50 - 200	0.013	+/-0.50	
Chrysene-d12	556720	23.646	615517	23.646	90	50 - 200	0.000	+/-0.50	
Perylene-d12	544244	26.452	594634	26.452	92	50 - 200	0.000	+/-0.50	

Analytical Resources, LLC
Analytical Chemists and Consultants

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Sequence:	SLH0248	Instrument:	NT17
		Calibration:	GH00045

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (SLH0248-CCV1)		(Solid)	Lab File ID: NT1708112320S.D					Analyzed: 08/12/23 00:02	
1,4-Dichlorobenzene-d4	299345	9.541	295324	9.541	101	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1205612	12.018	1172715	12.018	103	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	540469	15.627	521273	15.627	104	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	870160	18.659	837823	18.659	104	50 - 200	0.000	+/-0.50	
Chrysene-d12	596779	23.646	615517	23.646	97	50 - 200	0.000	+/-0.50	
Perylene-d12	597182	26.452	594634	26.452	100	50 - 200	0.000	+/-0.50	

Analytical Resources, LLC
Analytical Chemists and Consultants

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Sequence:	SLH0293	Instrument:	NT17
		Calibration:	GH00045

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (SLH0293-ICV1)		(Solid)	Lab File ID: NT1708172303S.D					Analyzed: 08/17/23 20:49	
1,4-Dichlorobenzene-d4	348452	9.515	348452	9.515	100	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1404170	12.005	1404170	12.005	100	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	619161	15.614	619161	15.614	100	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	992768	18.646	992768	18.646	100	50 - 200	0.000	+/-0.50	
Chrysene-d12	642334	23.62	642334	23.62	100	50 - 200	0.000	+/-0.50	
Perylene-d12	573362	26.414	573362	26.414	100	50 - 200	0.000	+/-0.50	
Blank (BLH0329-BLK1)		(Solid)	Lab File ID: NT1708172306S.D					Analyzed: 08/17/23 22:42	
1,4-Dichlorobenzene-d4	361421	9.515	348452	9.515	104	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1480453	11.993	1404170	12.005	105	50 - 200	-0.012	+/-0.50	
Acenaphthene-d10	652797	15.601	619161	15.614	105	50 - 200	-0.013	+/-0.50	
Phenanthrene-d10	1044593	18.646	992768	18.646	105	50 - 200	0.000	+/-0.50	
Chrysene-d12	667878	23.62	642334	23.62	104	50 - 200	0.000	+/-0.50	
Perylene-d12	558537	26.414	573362	26.414	97	50 - 200	0.000	+/-0.50	
LCS (BLH0329-BS1)		(Solid)	Lab File ID: NT1708172307S.D					Analyzed: 08/17/23 23:20	
1,4-Dichlorobenzene-d4	358954	9.515	348452	9.515	103	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1467682	12.005	1404170	12.005	105	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	651080	15.614	619161	15.614	105	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	1057087	18.646	992768	18.646	106	50 - 200	0.000	+/-0.50	
Chrysene-d12	683299	23.62	642334	23.62	106	50 - 200	0.000	+/-0.50	
Perylene-d12	580845	26.414	573362	26.414	101	50 - 200	0.000	+/-0.50	
LCS Dup (BLH0329-BSD1)		(Solid)	Lab File ID: NT1708172308S.D					Analyzed: 08/17/23 23:57	
1,4-Dichlorobenzene-d4	334622	9.515	348452	9.515	96	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1375092	12.005	1404170	12.005	98	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	607359	15.614	619161	15.614	98	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	987978	18.646	992768	18.646	100	50 - 200	0.000	+/-0.50	
Chrysene-d12	653257	23.62	642334	23.62	102	50 - 200	0.000	+/-0.50	
Perylene-d12	551283	26.414	573362	26.414	96	50 - 200	0.000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270E-SIM

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Sequence: SLH0293

SDG: 23H0221
Project: AOC5 MR Phase 1
Instrument: NT17
Calibration: GH00045

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (BLH0329-MS1)		(Solid)	Lab File ID: NT1708172309S.D				Analyzed: 08/18/23 00:35		
1,4-Dichlorobenzene-d4	379906	9.515	348452	9.515	109	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1542965	11.993	1404170	12.005	110	50 - 200	-0.012	+/-0.50	
Acenaphthene-d10	677725	15.614	619161	15.614	109	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	1109479	18.646	992768	18.646	112	50 - 200	0.000	+/-0.50	
Chrysene-d12	684799	23.62	642334	23.62	107	50 - 200	0.000	+/-0.50	
Perylene-d12	564050	26.414	573362	26.414	98	50 - 200	0.000	+/-0.50	
Matrix Spike Dup (BLH0329-MSD1)		(Solid)	Lab File ID: NT1708172310S.D				Analyzed: 08/18/23 01:12		
1,4-Dichlorobenzene-d4	355078	9.515	348452	9.515	102	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1445326	11.993	1404170	12.005	103	50 - 200	-0.012	+/-0.50	
Acenaphthene-d10	631529	15.614	619161	15.614	102	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	1012994	18.646	992768	18.646	102	50 - 200	0.000	+/-0.50	
Chrysene-d12	612376	23.62	642334	23.62	95	50 - 200	0.000	+/-0.50	
Perylene-d12	524014	26.414	573362	26.414	91	50 - 200	0.000	+/-0.50	
Reference (BLH0329-SRM1)		(Solid)	Lab File ID: NT1708172311S.D				Analyzed: 08/18/23 01:50		
1,4-Dichlorobenzene-d4	375981	9.515	348452	9.515	108	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1492235	11.993	1404170	12.005	106	50 - 200	-0.012	+/-0.50	
Acenaphthene-d10	663390	15.602	619161	15.614	107	50 - 200	-0.012	+/-0.50	
Phenanthrene-d10	1094271	18.646	992768	18.646	110	50 - 200	0.000	+/-0.50	
Chrysene-d12	712035	23.62	642334	23.62	111	50 - 200	0.000	+/-0.50	
Perylene-d12	597628	26.414	573362	26.414	104	50 - 200	0.000	+/-0.50	
LDW23-SS1071 (23H0221-03)		(Solid)	Lab File ID: NT1708172312S.D				Analyzed: 08/18/23 02:27		
1,4-Dichlorobenzene-d4	333332	9.515	348452	9.515	96	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1361503	11.993	1404170	12.005	97	50 - 200	-0.012	+/-0.50	
Acenaphthene-d10	576050	15.601	619161	15.614	93	50 - 200	-0.013	+/-0.50	
Phenanthrene-d10	836775	18.646	992768	18.646	84	50 - 200	0.000	+/-0.50	
Chrysene-d12	564584	23.633	642334	23.62	88	50 - 200	0.013	+/-0.50	
Perylene-d12	409790	26.478	573362	26.414	71	50 - 200	0.064	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270E-SIM

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Sequence: SLH0293
SDG: 23H0221
Project: AOC5 MR Phase 1
Instrument: NT17
Calibration: GH00045

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW23-SS1078 (23H0221-04)		(Solid)	Lab File ID: NT1708172313S.D				Analyzed: 08/18/23 03:04		
1,4-Dichlorobenzene-d4	341520	9.515	348452	9.515	98	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1405795	11.993	1404170	12.005	100	50 - 200	-0.012	+/-0.50	
Acenaphthene-d10	610708	15.614	619161	15.614	99	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	916109	18.646	992768	18.646	92	50 - 200	0.000	+/-0.50	
Chrysene-d12	557285	23.633	642334	23.62	87	50 - 200	0.013	+/-0.50	
Perylene-d12	374839	26.439	573362	26.414	65	50 - 200	0.025	+/-0.50	
LDW23-SS1807 (23H0221-05)		(Solid)	Lab File ID: NT1708172314S.D				Analyzed: 08/18/23 03:41		
1,4-Dichlorobenzene-d4	360042	9.515	348452	9.515	103	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1466150	12.005	1404170	12.005	104	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	633783	15.614	619161	15.614	102	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	984341	18.646	992768	18.646	99	50 - 200	0.000	+/-0.50	
Chrysene-d12	523450	23.62	642334	23.62	81	50 - 200	0.000	+/-0.50	
Perylene-d12	487765	26.427	573362	26.414	85	50 - 200	0.013	+/-0.50	
LDW23-SS1055 (23H0221-06)		(Solid)	Lab File ID: NT1708172315S.D				Analyzed: 08/18/23 04:19		
1,4-Dichlorobenzene-d4	355662	9.515	348452	9.515	102	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1468600	11.993	1404170	12.005	105	50 - 200	-0.012	+/-0.50	
Acenaphthene-d10	631605	15.614	619161	15.614	102	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	956116	18.646	992768	18.646	96	50 - 200	0.000	+/-0.50	
Chrysene-d12	530906	23.633	642334	23.62	83	50 - 200	0.013	+/-0.50	
Perylene-d12	453863	26.427	573362	26.414	79	50 - 200	0.013	+/-0.50	
LDW23-SS1034 (23H0221-07)		(Solid)	Lab File ID: NT1708172316S.D				Analyzed: 08/18/23 04:56		
1,4-Dichlorobenzene-d4	322467	9.515	348452	9.515	93	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1315125	11.993	1404170	12.005	94	50 - 200	-0.012	+/-0.50	
Acenaphthene-d10	558364	15.614	619161	15.614	90	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	844094	18.646	992768	18.646	85	50 - 200	0.000	+/-0.50	
Chrysene-d12	628093	23.646	642334	23.62	98	50 - 200	0.026	+/-0.50	
Perylene-d12	320158	26.478	573362	26.414	56	50 - 200	0.064	+/-0.50	

Analytical Resources, LLC
Analytical Chemists and Consultants

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270E-SIM

Laboratory:	Analytical Resources, LLC	SDG:	23H0221
Client:	Anchor QEA, LLC	Project:	AOC5 MR Phase 1
Sequence:	SLH0293	Instrument:	NT17
		Calibration:	GH00045

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW23-SS1806 (23H0221-08)		(Solid)	Lab File ID: NT1708172317S.D					Analyzed: 08/18/23 05:33	
1,4-Dichlorobenzene-d4	330552	9.515	348452	9.515	95	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1357302	12.005	1404170	12.005	97	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	589442	15.614	619161	15.614	95	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	906812	18.646	992768	18.646	91	50 - 200	0.000	+/-0.50	
Chrysene-d12	546855	23.633	642334	23.62	85	50 - 200	0.013	+/-0.50	
Perylene-d12	366059	26.427	573362	26.414	64	50 - 200	0.013	+/-0.50	
Calibration Check (SLH0293-CCV1)		(Solid)	Lab File ID: NT1708172319S.D					Analyzed: 08/18/23 07:12	
1,4-Dichlorobenzene-d4	337646	9.515	348452	9.515	97	50 - 200	0.000	+/-0.50	
Naphthalene-d8	1311010	12.006	1404170	12.005	93	50 - 200	0.001	+/-0.50	
Acenaphthene-d10	574899	15.614	619161	15.614	93	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	850574	18.646	992768	18.646	86	50 - 200	0.000	+/-0.50	
Chrysene-d12	543906	23.62	642334	23.62	85	50 - 200	0.000	+/-0.50	
Perylene-d12	411979	26.427	573362	26.414	72	50 - 200	0.013	+/-0.50	

HOLDING TIME SUMMARY

Analysis: EPA 8270E-SIM

Laboratory: Analytical Resources, LLC SDG: 23H0221

Client: Anchor QEA, LLC Project: AOC5 MR Phase 1

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW23-SS1233 23H0221-01	04/10/23 13:15	08/09/23 10:08	08/08/23 09:17	119	365	08/11/23 22:12	4	40	
LDW23-SS1068 23H0221-02	04/10/23 16:11	08/09/23 10:08	08/08/23 09:17	119	365	08/11/23 22:49	4	40	
LDW23-SS1071 23H0221-03	04/11/23 14:00	08/09/23 10:08	08/14/23 09:29	124	365	08/18/23 02:27	4	40	
LDW23-SS1078 23H0221-04	04/11/23 14:18	08/09/23 10:08	08/14/23 09:29	124	365	08/18/23 03:04	4	40	
LDW23-SS1807 23H0221-05	04/11/23 15:05	08/09/23 10:08	08/14/23 09:29	124	365	08/18/23 03:41	4	40	
LDW23-SS1055 23H0221-06	04/11/23 15:30	08/09/23 10:08	08/14/23 09:29	124	365	08/18/23 04:19	4	40	
LDW23-SS1034 23H0221-07	04/11/23 15:58	08/09/23 10:08	08/14/23 09:29	124	365	08/18/23 04:56	4	40	
LDW23-SS1806 23H0221-08	04/11/23 16:22	08/09/23 10:08	08/14/23 09:29	124	365	08/18/23 05:33	4	40	
Matrix Spike BLH0180-MS2	04/10/23 16:11	08/09/23 10:08	08/08/23 09:17	119	365	08/11/23 20:57	3	40	
Matrix Spike Dup BLH0180-MSD2	04/10/23 16:11	08/09/23 10:08	08/08/23 09:17	119	365	08/11/23 21:35	4	40	
Matrix Spike BLH0329-MS1	04/11/23 15:05	08/09/23 10:08	08/14/23 09:29	124	365	08/18/23 00:35	4	40	
Matrix Spike Dup BLH0329-MSD1	04/11/23 15:05	08/09/23 10:08	08/14/23 09:29	124	365	08/18/23 01:12	4	40	

* Indicates hold time exceedance.

METHOD DETECTION AND REPORTING LIMITS

EPA 8270E-SIM

Laboratory: Analytical Resources, LLC
SDG: 23H0221
Client: Anchor QEA, LLC
Project: AOC5 MR Phase 1
Matrix: Solid
Instrument: NT17

Analyte	MDL	RL	Units
1,4-Dichlorobenzene	0.6	5.0	ug/kg
1,2-Dichlorobenzene	0.7	5.0	ug/kg
Benzyl Alcohol	2.5	20.0	ug/kg
Benzoic acid	13.4	100	ug/kg
4-Methylphenol	0.9	5.0	ug/kg
2,4-Dimethylphenol	2.2	20.0	ug/kg
1,2,4-Trichlorobenzene	2.7	5.0	ug/kg
N-Nitrosodiphenylamine	1.3	5.0	ug/kg
Pentachlorophenol	2.1	20.0	ug/kg

Analytical Resources, Incorporated

Analytical Standard Record
Analytical Resources, Inc.
Standard ID: B001941

Printed: 9/25/2013 1:45:31PM

Description:	SVOC 2,4-Dinitrophenol	Expires:	31-Dec-29
Standard Type:	Calibration Stan	Prepared:	25-Sep-13
Solvent:	NA	Prepared By:	Jianqing Zhou
Final Volume (mls):	1	Department:	Organics
Vials:	1	Last Edit:	25-Sep-13 13:45 by JZ
Vendor:	SIGMA	Lot #:	65H5021
Vendor Catalog #:			

Comments

Neat, Purity @ 90-95%. (ARI#: 0466)

Analyte	CAS Number	Concentration	Units
2,4-Dinitrophenol	51-28-5	1000000	ug/mL

B001941
SVOA 2,4-Dinitrophenol
Expires 12/31/2029
Prepared By Jianqing Zhou 9/25/2013

Reviewed By Date

Appendix 20.1

ALTERNATE CERTIFICATE OF ANALYSIS

The manufacturer of the below chemical was unable to provide a Certificate of Analysis at the time of request by ARI.

Date Requested from Manufacturer:_____

Chemical: 2,4-Dinitrophenol

Manufacturer: Sigma

Product #: _____

Lot #: bEH502I

Purity: 90 ~ 94%

Analyst: [signature]

Analytical Resources, Incorporated

Analytical Standard Record
Analytical Resources, Inc.
Standard ID: B001945

Printed: 9/25/2013 3:23:22PM

Description:	SVOC Benzoic Acid	Expires:	31-Dec-29
Standard Type:	Calibration Stan	Prepared:	31-Dec-12
Solvent:	NA	Prepared By:	Jianqing Zhou
Final Volume (mls):	1	Department:	Organics
Vials:	1	Last Edit:	25-Sep-13 15:23 by JZ
Vendor:	ACROS Organics	Lot #:	A0224339
Vendor Catalog #:			

Comments

Neat, Purity @ 98%.

Analyte	CAS Number	Concentration	Units
Benzoic acid	65-85-0	1000000	ug/mL

B001945
SVOC Benzoic Acid
Expires 12/31/2029
Prepared By Jianqing Zhou 12/31/2012

Reviewed By Date

Appendix 20.1

ALTERNATE CERTIFICATE OF ANALYSIS

The manufacturer of the below chemical was unable to provide a Certificate of Analysis at the time of request by ARI.

Date Requested from Manufacturer:_____

Chemical: Benzoic Acid

Manufacturer: Acros Organics

Product #: _____

Lot #: A0224339

Purity: 98%

Analyst: _____

Analytical Resources, Incorporated

Analytical Standard Record
Analytical Resources, Inc.
Standard ID: B001948

Printed: 9/25/2013 3:37:51PM

Description:	SVOC 4,6-Dinitro-2-Methylphenol	Expires:	31-Dec-29
Standard Type:	Calibration Stan	Prepared:	25-Sep-13
Solvent:	NA	Prepared By:	Jianqing Zhou
Final Volume (mls):	1	Department:	Organics
Vials:	1	Last Edit:	25-Sep-13 15:37 by JZ
Vendor:	Chem Service	Lot #:	179-31A
Vendor Catalog #:			

Comments

Neat, Purity @ 99%. (ARI#: 009A)

Analyte	CAS Number	Concentration	Units
4,6-Dinitro-2-methylphenol	534-52-1	1000000	ug/mL

B001948
SVOA 4,6-Dinitro-2-Methylphenol
Expires 12/31/2029
Prepared By Jianqing Zhou 9/25/2013

Reviewed By Date

Appendix 20.1

ALTERNATE CERTIFICATE OF ANALYSIS

The manufacturer of the below chemical was unable to provide a Certificate of Analysis at the time of request by ARI.

Date Requested from Manufacturer: _____

Chemical: 4,6-Dinitro-2-Methylphenol

Manufacturer: Chem Service

Product #: _____

Lot #: 179-31A

Purity: 99%

Analyst: KB

Analytical Resources, Incorporated

Analytical Standard Record
Analytical Resources, Inc.
Standard ID: B002054

Printed: 10/4/2013 6:32:21PM

Description:	SVOA 1-Methylnaphthalene	Expires:	02-Apr-14
Standard Type:	Analyte Spike	Prepared:	13-Dec-12
Solvent:	NA	Prepared By:	Jianqing Zhou
Final Volume (mls):	1	Department:	Organics
Vials:	1	Last Edit:	04-Oct-13 18:32 by JZ
Vendor:	Chem Service	Lot #:	62-5B
Vendor Catalog #:			

Comments

Neat, Purity @ 99%

Analyte	CAS Number	Concentration	Units
1-Methylnaphthalene	90-12-0	1000000	ug/mL

B002054
SVOA 1-Methylnaphthalene
Solvent / Lot: NA
Prep: 12/13/2012 by JZ
Exp: 12/31/2029
Location:

Reviewed By Date

Appendix 20.1

ALTERNATE CERTIFICATE OF ANALYSIS

The manufacturer of the below chemical was unable to provide a Certificate of Analysis at the time of request by ARI.

Date Requested from Manufacturer:_____

Chemical: 1-Methyl naphthalene

Manufacturer: Chem Service

Product #: 0787

Lot #: 67-53

Purity: 99%

Analyst: AZ

H000691

Data File: \\target\share\chem2\fid4a.i\20230317.b\423C1703.D

Page 1

Date : 17-MAR-2023 10:46

Client ID:

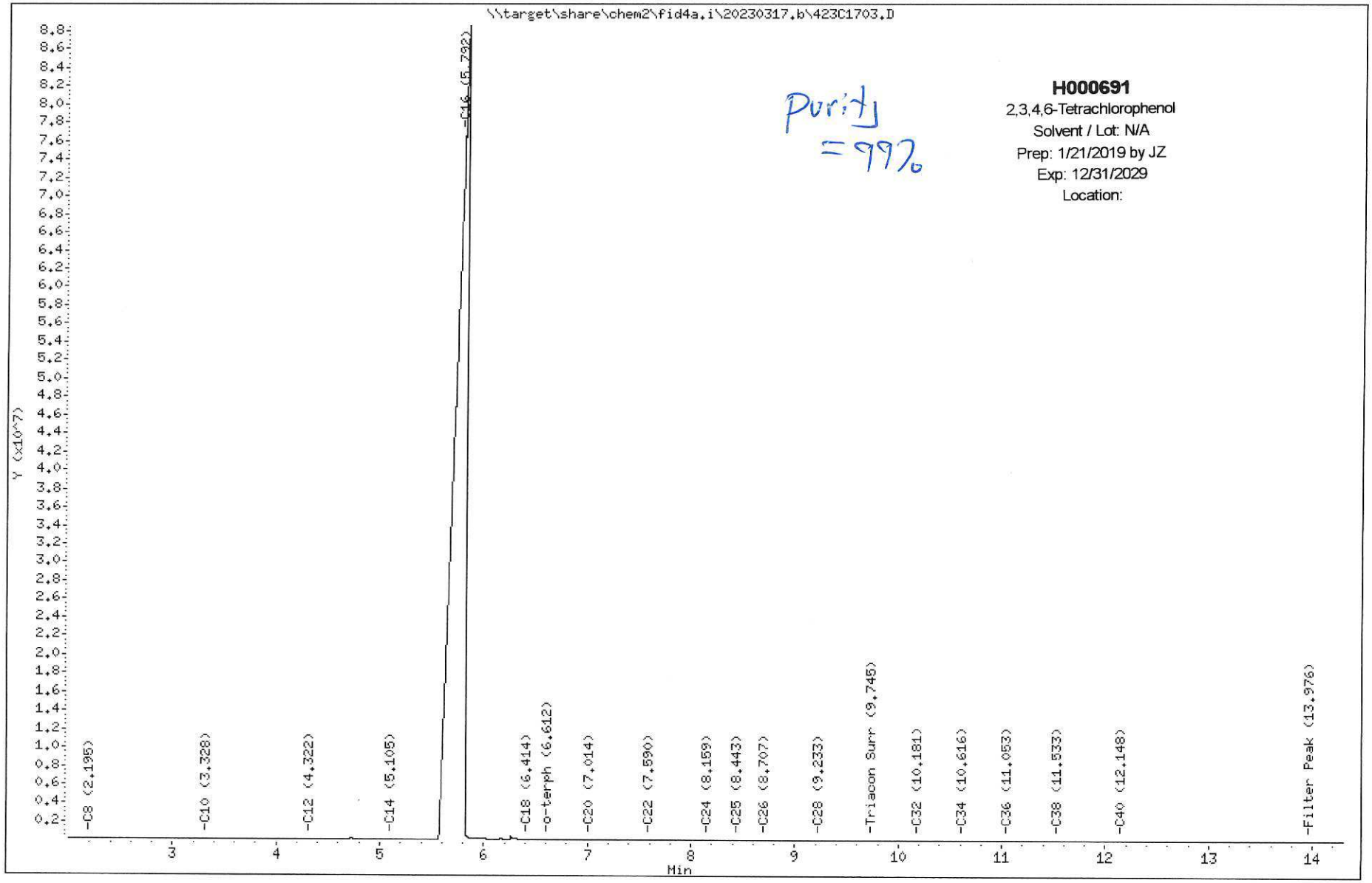
Instrument: fid4a.i

Sample Info: K007226

Operator: AA

Column phase: RTX-1

Column diameter: 0.25



Purity = 99%

H000691
2,3,4,6-Tetrachlorophenol
Solvent / Lot: N/A
Prep: 1/21/2019 by JZ
Exp: 12/31/2029
Location:

ARI Labs, Inc.

Data file : \\target\share\chem2\fid4a.i\20230317.b\423C1703.D
Lab Smp Id: K007226
Inj Date : 17-MAR-2023 10:46
Operator : AA Inst ID: fid4a.i
Smp Info : K007226
Misc Info :
Comment   :
Method   : \\target\share\chem2\fid4a.i\20230317.b\FID4TPH.m
Meth Date : 17-Mar-2023 16:58 alfonso Quant Type: AREA%
Cal Date : 18-AUG-2022 11:51 Cal File: 422H1803.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: Falcon+ Compound Sublist: tph.sub
Target Version: 4.14
Processing Host: ALFONSO-201901

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
2.043	81395	55677	0.684	0.012	1 Toluene
2.074	68503	39991	0.584	0.010	
2.104	85451	37158	0.435	0.012	
2.146	59381	25207	0.424	0.008	
2.181	11414	22862	2.003	0.001	
2.195	34939	23199	0.664	0.005	2 C8
2.218	8679	21808	2.513	0.001	
2.224	21070	21832	1.036	0.003	
2.243	45086	20191	0.448	0.006	
2.286	3130	15677	5.009	0.000	
2.291	12615	15880	1.259	0.001	
2.313	20979	15888	0.757	0.003	
2.333	7621	15373	2.017	0.001	
2.348	31874	17112	0.537	0.004	
2.373	4619	13267	2.872	0.000	
2.380	12003	13446	1.120	0.001	
2.393	10327	13347	1.292	0.001	
2.408	9963	12697	1.274	0.001	
2.446	24366	11882	0.488	0.003	
2.498	24898	10214	0.410	0.003	
2.557	1592	6395	4.017	0.000	
2.570	4427	6384	1.442	0.000	
2.583	4275	6215	1.454	0.000	
2.595	1208	6068	5.024	0.000	
2.602	3076	6230	2.025	0.000	
2.607	1560	6270	4.019	0.000	
2.631	17195	8933	0.520	0.002	
2.654	17386	7637	0.439	0.002	
2.703	4531	5468	1.207	0.000	
2.717	9156	5741	0.627	0.001	
2.740	3955	5045	1.275	0.000	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
2.768	1029	4134	4.017	0.000	
2.771	830	4189	5.050	0.000	
2.778	1924	4438	2.307	0.000	
2.784	5498	4564	0.830	0.000	
2.846	25970	8400	0.323	0.003	
2.880	939	3165	3.370	0.000	
2.884	1885	3183	1.688	0.000	
2.901	4805	3504	0.729	0.000	
2.938	581	1990	3.423	0.000	
2.944	1450	2016	1.390	0.000	
2.955	449	1816	4.043	0.000	
2.967	1234	2009	1.629	0.000	
2.982	712	2087	2.931	0.000	
2.988	1000	2338	2.337	0.000	
3.001	3475	3541	1.019	0.000	
3.018	3528	3705	1.050	0.000	
3.033	983	2521	2.564	0.000	
3.038	1297	2686	2.070	0.000	
3.044	2547	2541	0.997	0.000	
3.069	389	1330	3.418	0.000	
3.078	728	1545	2.123	0.000	
3.085	1244	1637	1.316	0.000	
3.098	1115	1624	1.457	0.000	
3.108	926	1475	1.593	0.000	
3.119	239	1202	5.036	0.000	
3.125	540	1251	2.315	0.000	
3.133	409	1219	2.978	0.000	
3.144	2600	1886	0.725	0.000	
3.165	620	1604	2.588	0.000	
3.173	554	1647	2.972	0.000	
3.192	2423	2273	0.938	0.000	
3.197	582	2418	4.158	0.000	
3.204	1161	2723	2.346	0.000	
3.208	825	2777	3.364	0.000	
3.228	4472	3391	0.758	0.000	
3.246	1586	2676	1.688	0.000	
3.279	1194	2070	1.734	0.000	
3.293	854	1951	2.285	0.000	
3.298	595	2029	3.408	0.000	
3.315	2640	2597	0.984	0.000	
3.320	1015	2542	2.504	0.000	
3.328	1549	2593	1.674	0.000	3 C10
3.338	1314	2533	1.928	0.000	
3.350	523	2159	4.130	0.000	
3.358	1776	2105	1.185	0.000	
3.371	356	1797	5.043	0.000	
3.378	914	1880	2.057	0.000	
3.383	380	1927	5.068	0.000	
3.387	595	2023	3.399	0.000	
3.395	1390	2270	1.633	0.000	
3.405	1490	1994	1.338	0.000	
3.423	690	1601	2.321	0.000	
3.435	821	1554	1.894	0.000	
3.441	387	1583	4.087	0.000	
3.444	401	1625	4.051	0.000	
3.448	403	1636	4.060	0.000	
3.455	1216	1700	1.398	0.000	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
3.478	235	1185	5.047	0.000	
3.482	412	1229	2.986	0.000	
3.488	695	1177	1.694	0.000	
3.501	239	969	4.063	0.000	
3.509	914	1149	1.258	0.000	
3.520	1078	1069	0.992	0.000	
3.540	301	927	3.079	0.000	
3.556	406	849	2.089	0.000	
3.567	370	873	2.359	0.000	
3.572	178	939	5.270	0.000	
3.578	591	1171	1.981	0.000	
3.591	869	1353	1.556	0.000	
3.596	741	1352	1.826	0.000	
3.606	471	1401	2.976	0.000	
3.613	548	1411	2.577	0.000	
3.618	433	1521	3.511	0.000	
3.625	710	1635	2.303	0.000	
3.630	910	1667	1.832	0.000	
3.652	661	1562	2.362	0.000	
3.670	462	1214	2.627	0.000	
3.686	1036	1453	1.403	0.000	
3.690	829	1374	1.658	0.000	
3.702	531	1191	2.241	0.000	
3.712	452	1355	3.001	0.000	
3.716	820	1423	1.736	0.000	
3.736	2685	2093	0.780	0.000	
3.752	689	2030	2.946	0.000	
3.760	4109	2349	0.572	0.000	
3.805	3183	2036	0.640	0.000	
3.823	496	1686	3.401	0.000	
3.835	1641	2314	1.410	0.000	
3.859	9243	4616	0.499	0.001	
3.897	851	1745	2.051	0.000	
3.904	503	1721	3.419	0.000	
3.927	3866	3293	0.852	0.000	
3.941	5520	3558	0.645	0.000	
3.980	573	1715	2.991	0.000	
3.992	1027	1794	1.748	0.000	
3.995	1494	1860	1.245	0.000	
4.010	887	1639	1.847	0.000	
4.021	663	1724	2.602	0.000	
4.026	1380	1776	1.287	0.000	
4.045	306	1546	5.059	0.000	
4.053	1001	1758	1.757	0.000	
4.061	1137	1804	1.586	0.000	
4.072	779	1773	2.275	0.000	
4.080	989	1896	1.917	0.000	
4.087	561	1905	3.396	0.000	
4.098	1956	2156	1.103	0.000	
4.106	1168	2044	1.750	0.000	
4.127	1049	1627	1.551	0.000	
4.142	587	1545	2.633	0.000	
4.148	1155	1572	1.361	0.000	
4.173	3682	2398	0.651	0.000	
4.189	1023	1738	1.700	0.000	
4.204	549	1627	2.961	0.000	
4.213	628	1658	2.641	0.000	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.221	1039	1830	1.761	0.000	
4.227	447	1814	4.058	0.000	
4.248	2703	2638	0.976	0.000	
4.256	1387	2945	2.123	0.000	
4.260	743	2988	4.022	0.000	
4.265	912	3081	3.378	0.000	
4.268	779	3140	4.031	0.000	
4.275	1736	3217	1.853	0.000	
4.289	2688	3495	1.300	0.000	
4.295	3466	3448	0.995	0.000	
4.322	1054	2680	2.543	0.000	4 C12
4.330	1686	2627	1.558	0.000	
4.358	1066	1974	1.852	0.000	
4.378	434	1758	4.054	0.000	
4.384	1324	1879	1.419	0.000	
4.403	860	1608	1.869	0.000	
4.414	457	1567	3.431	0.000	
4.421	1117	1675	1.499	0.000	
4.433	910	1538	1.690	0.000	
4.439	865	1534	1.774	0.000	
4.449	764	1302	1.705	0.000	
4.471	433	1123	2.593	0.000	
4.476	734	1135	1.546	0.000	
4.490	385	1005	2.610	0.000	
4.498	555	1186	2.137	0.000	
4.502	695	1166	1.677	0.000	
4.518	587	949	1.618	0.000	
4.526	316	925	2.924	0.000	
4.533	560	989	1.765	0.000	
4.543	469	1001	2.135	0.000	
4.548	222	916	4.130	0.000	
4.553	188	980	5.207	0.000	
4.558	255	1038	4.076	0.000	
4.568	652	1157	1.775	0.000	
4.573	338	1151	3.409	0.000	
4.580	487	1283	2.636	0.000	
4.596	3801	1950	0.513	0.000	
4.631	531	1429	2.692	0.000	
4.663	4548	3737	0.822	0.000	
4.667	2815	3822	1.358	0.000	
4.679	2199	3760	1.710	0.000	
4.688	1068	3585	3.356	0.000	
4.694	2166	3742	1.727	0.000	
4.723	372603	172476	0.463	0.055	
4.894	47034	21828	0.464	0.006	
4.956	80510	28154	0.350	0.011	
4.999	54273	16950	0.312	0.008	
5.068	1137	5713	5.027	0.000	
5.072	8415	5792	0.688	0.001	
5.105	4203	4316	1.027	0.000	5 C14
5.146	660	2685	4.070	0.000	
5.153	2524	2649	1.050	0.000	
5.170	1076	2437	2.265	0.000	
5.174	2371	2438	1.028	0.000	
5.201	1013	2011	1.986	0.000	
5.210	2064	2332	1.130	0.000	
5.224	1083	2304	2.127	0.000	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
5.228	2027	2354	1.162	0.000	
5.276	4673	2682	0.574	0.000	
5.322	195	844	4.328	0.000	
5.331	977	1203	1.231	0.000	
5.356	490	993	2.027	0.000	
5.361	814	1044	1.283	0.000	
5.382	115	387	3.351	0.000	
5.399	619	960	1.551	0.000	
5.406	402	1035	2.576	0.000	
5.410	378	1122	2.968	0.000	
5.423	1663	1555	0.935	0.000	
5.452	5951	5020	0.844	0.000	
5.501	290	797	2.753	0.000	
5.523	2317	2472	1.067	0.000	
5.538	5946	6823	1.147	0.000	
5.792	501855376	76456669	0.152	74.449	6 C16
5.807	79757019	82319946	1.032	11.775	
5.823	77929961	88539160	1.136	11.505	
5.962	75333	84828	1.126	0.011	
5.986	474748	124326	0.262	0.070	
6.070	17103	57180	3.343	0.002	
6.074	120761	57565	0.477	0.017	
6.113	90233	47140	0.522	0.013	
6.165	407438	218439	0.536	0.060	
6.263	944101	374166	0.396	0.139	
6.414	114839	39498	0.344	0.016	7 C18
6.464	53190	31177	0.586	0.007	
6.523	31509	25870	0.821	0.004	
6.551	4785	23963	5.008	0.000	
6.559	51194	25409	0.496	0.007	
6.590	21354	21666	1.015	0.003	
6.612	35061	21127	0.603	0.005	$ 8 o-terph
6.638	17712	19934	1.125	0.002	
6.672	22159	19651	0.887	0.003	
6.683	26846	19268	0.718	0.003	
6.708	5413	18142	3.351	0.000	
6.713	24941	18247	0.732	0.003	
6.747	50657	18478	0.365	0.007	
6.795	23973	17444	0.728	0.003	
6.814	28457	17895	0.629	0.004	
6.837	10746	15445	1.437	0.001	
6.871	29974	21406	0.714	0.004	
6.874	4287	21471	5.009	0.000	
6.882	20520	21675	1.056	0.003	
6.944	32864	17445	0.531	0.004	
6.978	9138	15347	1.679	0.001	
7.014	4130	13830	3.348	0.000	9 C20
7.025	12567	14083	1.121	0.001	
7.038	4952	14274	2.882	0.000	
7.044	6508	14578	2.240	0.000	
7.050	25344	14736	0.581	0.003	
7.099	5531	12365	2.236	0.000	
7.108	16440	12371	0.752	0.002	
7.129	9415	11275	1.198	0.001	
7.175	3589	10327	2.878	0.000	
7.182	7285	10474	1.438	0.001	
7.212	11252	10002	0.889	0.001	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.227	5193	9506	1.830	0.000	
7.237	5172	9476	1.832	0.000	
7.247	4652	9357	2.011	0.000	
7.254	3258	9369	2.875	0.000	
7.259	7003	9455	1.350	0.001	
7.272	5540	9252	1.670	0.000	
7.283	4511	9087	2.014	0.000	
7.296	5828	9031	1.550	0.000	
7.308	4850	8866	1.828	0.000	
7.318	3111	9014	2.897	0.000	
7.324	3191	9168	2.873	0.000	
7.328	2775	9325	3.360	0.000	
7.339	6190	9713	1.569	0.000	
7.344	2920	9761	3.343	0.000	
7.350	17091	9874	0.578	0.002	
7.379	7217	8616	1.194	0.001	
7.395	5430	8408	1.548	0.000	
7.404	2492	8342	3.348	0.000	
7.409	1666	8354	5.014	0.000	
7.415	2955	8500	2.877	0.000	
7.423	3887	8782	2.259	0.000	
7.465	28160	14253	0.506	0.004	
7.471	6466	14499	2.242	0.000	
7.480	6649	15111	2.273	0.000	
7.484	26595	15197	0.571	0.003	
7.514	13964	13621	0.975	0.002	
7.539	8118	12614	1.554	0.001	
7.553	10540	12495	1.185	0.001	
7.584	2820	11307	4.010	0.000	
7.590	4522	11429	2.527	0.000	10 C22
7.620	16634	10435	0.627	0.002	
7.653	6793	9783	1.440	0.001	
7.663	8606	9666	1.123	0.001	
7.675	2827	9464	3.347	0.000	
7.683	9373	9620	1.026	0.001	
7.699	3657	9205	2.517	0.000	
7.708	5071	9290	1.832	0.000	
7.713	10483	9274	0.885	0.001	
7.735	10686	9257	0.866	0.001	
7.752	4732	8664	1.831	0.000	
7.765	5624	8765	1.558	0.000	
7.773	5614	8686	1.547	0.000	
7.784	3375	8506	2.520	0.000	
7.793	2118	8517	4.021	0.000	
7.799	10086	8544	0.847	0.001	
7.817	7761	8325	1.073	0.001	
7.833	2415	8088	3.350	0.000	
7.838	2838	8160	2.875	0.000	
7.844	3649	8173	2.240	0.000	
7.858	2009	8069	4.017	0.000	
7.864	4482	8197	1.829	0.000	
7.871	3688	8223	2.230	0.000	
7.879	4875	8269	1.696	0.000	
7.889	2009	8061	4.013	0.000	
7.897	4080	8308	2.036	0.000	
7.916	17828	10103	0.567	0.002	
7.935	4052	9086	2.242	0.000	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
7.940	2229	8948	4.015	0.000	
7.945	5765	8973	1.556	0.000	
7.954	6458	8765	1.357	0.000	
7.976	2099	8428	4.016	0.000	
7.984	10213	8807	0.862	0.001	
7.999	4897	8282	1.691	0.000	
8.013	8782	8112	0.924	0.001	
8.028	5860	7858	1.341	0.000	
8.040	3929	7871	2.003	0.000	
8.054	9161	8146	0.889	0.001	
8.067	2701	7766	2.876	0.000	
8.074	3069	7702	2.510	0.000	
8.081	2694	7742	2.874	0.000	
8.088	2705	7793	2.881	0.000	
8.095	5842	7832	1.341	0.000	
8.104	5419	7841	1.447	0.000	
8.119	5740	7735	1.348	0.000	
8.134	4986	7768	1.558	0.000	
8.141	5893	8009	1.359	0.000	
8.159	9098	8027	0.882	0.001	11 C24
8.174	3156	7971	2.526	0.000	
8.185	2376	7967	3.353	0.000	
8.190	4739	7937	1.675	0.000	
8.202	5181	8028	1.549	0.000	
8.212	1994	8027	4.025	0.000	
8.223	6137	8270	1.348	0.000	
8.236	6864	8171	1.190	0.001	
8.248	2383	7986	3.351	0.000	
8.253	2405	8059	3.351	0.000	
8.259	5294	8207	1.550	0.000	
8.268	2866	8235	2.874	0.000	
8.280	6583	8312	1.263	0.000	
8.289	4538	8296	1.828	0.000	
8.295	2060	8300	4.029	0.000	
8.300	2063	8291	4.020	0.000	
8.313	7062	8400	1.189	0.001	
8.318	1667	8375	5.023	0.000	
8.332	11362	9100	0.801	0.001	
8.343	4357	8741	2.006	0.000	
8.358	1267	8458	6.676	0.000	
8.363	2991	8621	2.882	0.000	
8.371	3980	8983	2.257	0.000	
8.379	6330	9083	1.435	0.000	
8.385	3111	8963	2.881	0.000	
8.393	6706	9050	1.349	0.000	
8.404	4903	8943	1.824	0.000	
8.417	8437	8972	1.063	0.001	
8.438	7166	9103	1.270	0.001	
8.443	3211	9227	2.873	0.000	12 C25
8.450	3688	9295	2.521	0.000	
8.455	2313	9276	4.010	0.000	
8.475	30054	13714	0.456	0.004	
8.504	5760	9733	1.690	0.000	
8.519	2799	9376	3.350	0.000	
8.529	4766	9710	2.037	0.000	
8.537	4875	9815	2.013	0.000	
8.543	8411	9973	1.186	0.001	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.555	2969	9916	3.340	0.000	
8.560	3974	9987	2.513	0.000	
8.568	2483	9997	4.026	0.000	
8.572	5007	10043	2.006	0.000	
8.591	14074	10725	0.762	0.002	
8.602	2648	10665	4.028	0.000	
8.606	2159	10862	5.032	0.000	
8.609	2183	10952	5.017	0.000	
8.633	7361	10561	1.435	0.001	
8.647	6774	10495	1.549	0.001	
8.658	2596	10420	4.014	0.000	
8.663	4723	10573	2.239	0.000	
8.669	3156	10589	3.355	0.000	
8.687	15405	11334	0.736	0.002	
8.699	6103	11158	1.828	0.000	
8.707	2223	11136	5.009	0.000	13 C26
8.730	28697	12536	0.437	0.004	
8.754	8658	11553	1.334	0.001	
8.763	2896	11612	4.010	0.000	
8.780	15029	12352	0.822	0.002	
8.788	1833	12243	6.680	0.000	
8.798	11854	12679	1.070	0.001	
8.806	1873	12509	6.677	0.000	
8.809	3133	12565	4.011	0.000	
8.813	2506	12550	5.008	0.000	
8.819	7588	12757	1.681	0.001	
8.829	4418	12679	2.870	0.000	
8.835	6988	12762	1.826	0.001	
8.848	13711	13258	0.967	0.002	
8.872	26625	13656	0.513	0.003	
8.894	4575	13127	2.869	0.000	
8.898	2631	13188	5.013	0.000	
8.902	5918	13262	2.241	0.000	
8.914	8577	13313	1.552	0.001	
8.922	4011	13433	3.349	0.000	
8.926	4724	13546	2.867	0.000	
8.933	6787	13651	2.011	0.001	
8.946	9614	13923	1.448	0.001	
8.951	6274	14004	2.232	0.000	
8.960	5592	14036	2.510	0.000	
8.966	3513	14090	4.011	0.000	
8.969	2829	14171	5.009	0.000	
8.973	4976	14233	2.860	0.000	
8.980	4289	14365	3.350	0.000	
8.996	27708	16441	0.593	0.004	
9.013	8129	14847	1.827	0.001	
9.025	8129	14840	1.826	0.001	
9.036	7503	15229	2.030	0.001	
9.040	4559	15225	3.340	0.000	
9.057	14920	16251	1.089	0.002	
9.067	9915	16831	1.698	0.001	
9.076	8535	17331	2.031	0.001	
9.081	5250	17596	3.352	0.000	
9.084	10558	17675	1.674	0.001	
9.095	4386	17601	4.013	0.000	
9.111	30564	19262	0.630	0.004	
9.128	8346	18722	2.243	0.001	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
9.139	15095	18986	1.258	0.002	
9.149	6655	19050	2.862	0.000	
9.158	23240	19719	0.848	0.003	
9.171	1903	19042	10.005	0.000	
9.175	4773	19156	4.013	0.000	
9.187	23630	19927	0.843	0.003	
9.199	4925	19763	4.013	0.000	
9.208	14115	20394	1.445	0.002	
9.219	12303	20691	1.682	0.001	
9.226	7266	20831	2.867	0.001	
9.233	15622	21000	1.344	0.002	14 C28
9.247	9280	20714	2.232	0.001	
9.262	45057	27849	0.618	0.006	
9.281	22651	23200	1.024	0.003	
9.304	13489	22820	1.692	0.001	
9.307	18038	22862	1.267	0.002	
9.328	8656	21778	2.516	0.001	
9.334	8635	21650	2.507	0.001	
9.343	16240	21738	1.339	0.002	
9.354	5409	21709	4.013	0.000	
9.367	16481	22234	1.349	0.002	
9.370	6683	22346	3.344	0.000	
9.382	14775	23166	1.568	0.002	
9.390	11679	23531	2.015	0.001	
9.394	12888	23584	1.830	0.001	
9.408	18752	23645	1.261	0.002	
9.416	4675	23396	5.004	0.000	
9.428	25138	24392	0.970	0.003	
9.438	20233	24095	1.191	0.002	
9.468	67429	26696	0.396	0.009	
9.496	8413	24122	2.867	0.001	
9.507	12049	24259	2.013	0.001	
9.527	36362	25771	0.709	0.005	
9.538	12891	25911	2.010	0.001	
9.543	6452	25853	4.007	0.000	
9.551	10420	26202	2.515	0.001	
9.557	29750	26593	0.894	0.004	
9.574	6252	25071	4.010	0.000	
9.593	29143	27655	0.949	0.004	
9.599	40783	27905	0.684	0.006	
9.620	13159	26364	2.004	0.001	
9.632	17259	26799	1.553	0.002	
9.640	13210	26592	2.013	0.001	
9.664	35362	28170	0.797	0.005	
9.672	27890	28134	1.009	0.004	
9.696	26737	28634	1.071	0.003	
9.711	53475	30848	0.577	0.007	
9.745	33266	29504	0.887	0.004	$ 15 Triacon Surr
9.752	7348	29501	4.015	0.001	
9.756	20542	29565	1.439	0.003	
9.768	7255	29059	4.005	0.001	
9.773	7275	29173	4.010	0.001	
9.785	31543	30611	0.970	0.004	
9.803	46804	32832	0.701	0.006	
9.821	10456	30060	2.875	0.001	
9.833	30772	31156	1.012	0.004	
9.860	77784	33514	0.431	0.011	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
9.881	12779	32069	2.510	0.001	
9.892	14531	32668	2.248	0.002	
9.896	8201	32902	4.012	0.001	
9.908	23357	33882	1.451	0.003	
9.912	27050	34095	1.260	0.003	
9.939	14585	32570	2.233	0.002	
9.951	23032	33095	1.437	0.003	
9.956	11596	33292	2.871	0.001	
9.966	16544	33271	2.011	0.002	
9.971	11660	33391	2.864	0.001	
9.975	10051	33617	3.345	0.001	
9.983	15209	33983	2.234	0.002	
9.988	15177	33830	2.229	0.002	
9.996	10128	33907	3.348	0.001	
10.018	43348	35629	0.822	0.006	
10.021	7133	35693	5.004	0.001	
10.025	8960	35988	4.016	0.001	
10.034	42064	36944	0.878	0.006	
10.063	65447	38699	0.591	0.009	
10.077	7375	36906	5.004	0.001	
10.083	16743	37428	2.235	0.002	
10.095	34467	38665	1.122	0.005	
10.118	90921	40621	0.447	0.013	
10.151	37738	38047	1.008	0.005	
10.158	11383	38037	3.342	0.001	
10.168	36074	38274	1.061	0.005	
10.181	15072	37809	2.509	0.002	16 C32
10.185	5655	37746	6.675	0.000	
10.198	43905	38471	0.876	0.006	
10.208	24771	38177	1.541	0.003	
10.218	19031	38113	2.003	0.002	
10.228	13353	38279	2.867	0.001	
10.237	21225	38826	1.829	0.003	
10.243	30946	38929	1.258	0.004	
10.266	43064	39733	0.923	0.006	
10.275	11912	39784	3.340	0.001	
10.278	19932	39886	2.001	0.002	
10.293	46366	40725	0.878	0.006	
10.318	46465	41024	0.883	0.006	
10.328	24720	41353	1.673	0.003	
10.334	10308	41278	4.005	0.001	
10.343	29100	41866	1.439	0.004	
10.354	22822	41695	1.827	0.003	
10.360	16568	41490	2.504	0.002	
10.376	31388	42321	1.348	0.004	
10.384	36478	43119	1.182	0.005	
10.393	21427	43144	2.014	0.003	
10.416	82339	44731	0.543	0.012	
10.434	23173	42257	1.824	0.003	
10.455	42801	43684	1.021	0.006	
10.459	19648	44004	2.240	0.002	
10.469	19632	43883	2.235	0.002	
10.492	56113	45807	0.816	0.008	
10.497	20626	45915	2.226	0.003	
10.503	27439	45837	1.671	0.004	
10.513	31833	45842	1.440	0.004	
10.523	6773	45190	6.672	0.001	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
10.529	22697	45513	2.005	0.003	
10.543	39087	46432	1.188	0.005	
10.552	16284	46719	2.869	0.002	
10.558	18796	47158	2.509	0.002	
10.576	69878	48769	0.698	0.010	
10.586	12085	48384	4.004	0.001	
10.592	21757	48469	2.228	0.003	
10.609	46960	50482	1.075	0.006	
10.616	40486	50812	1.255	0.005	17 C34
10.628	52392	50284	0.960	0.007	
10.665	99744	52644	0.528	0.014	
10.680	20832	52264	2.509	0.003	
10.699	126137	55939	0.443	0.018	
10.723	18258	52316	2.865	0.002	
10.733	65550	52928	0.807	0.009	
10.751	49102	51903	1.057	0.007	
10.765	10288	51490	5.005	0.001	
10.777	73220	52877	0.722	0.010	
10.791	15621	52150	3.338	0.002	
10.799	46819	52190	1.115	0.006	
10.817	52000	52328	1.006	0.007	
10.828	13014	52167	4.008	0.001	
10.833	18275	52280	2.861	0.002	
10.838	67284	52271	0.777	0.009	
10.860	15395	51401	3.339	0.002	
10.867	15366	51252	3.335	0.002	
10.874	25712	51608	2.007	0.003	
10.885	59363	52064	0.877	0.008	
10.901	33199	51247	1.544	0.004	
10.911	35859	51446	1.435	0.005	
10.925	15150	50526	3.335	0.002	
10.936	27761	50508	1.819	0.004	
10.954	40634	51235	1.261	0.005	
10.958	17973	51428	2.861	0.002	
10.982	101216	54997	0.543	0.014	
10.999	80380	54264	0.675	0.011	
11.022	15822	52869	3.342	0.002	
11.029	23878	53171	2.227	0.003	
11.032	23908	53219	2.226	0.003	
11.044	39793	53228	1.338	0.005	
11.053	13218	52959	4.007	0.001	19 C36
11.057	26491	53088	2.004	0.003	
11.069	47933	53454	1.115	0.007	
11.079	78088	52997	0.679	0.011	
11.132	4853	48537	10.002	0.000	
11.138	21933	48845	2.227	0.003	
11.148	46678	49317	1.057	0.006	
11.158	12248	49060	4.006	0.001	
11.164	14711	49102	3.338	0.002	
11.179	64473	49939	0.775	0.009	
11.192	19751	49439	2.503	0.002	
11.197	14848	49541	3.337	0.002	
11.202	17336	49566	2.859	0.002	
11.206	12400	49639	4.003	0.001	
11.212	56808	49881	0.878	0.008	
11.230	26830	48794	1.819	0.003	
11.263	19014	47590	2.503	0.002	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
11.267	11927	47790	4.007	0.001	
11.285	66432	50042	0.753	0.009	
11.308	17214	49235	2.860	0.002	
11.312	19684	49285	2.504	0.002	
11.322	19740	49570	2.511	0.002	
11.331	27467	50208	1.828	0.004	
11.334	12565	50301	4.003	0.001	
11.338	17617	50367	2.859	0.002	
11.356	50450	50688	1.005	0.007	
11.383	31641	48774	1.541	0.004	
11.392	14562	48589	3.337	0.002	
11.398	14566	48593	3.336	0.002	
11.405	21947	48858	2.226	0.003	
11.418	36961	49602	1.342	0.005	
11.428	52174	49838	0.955	0.007	
11.438	46900	49605	1.058	0.006	
11.456	66003	49218	0.746	0.009	
11.481	84312	48818	0.579	0.012	
11.518	39837	46996	1.180	0.005	
11.533	55836	46822	0.839	0.008	20 C38
11.560	30101	46465	1.544	0.004	
11.568	20916	46512	2.224	0.003	
11.573	11637	46596	4.004	0.001	
11.579	23274	46598	2.002	0.003	
11.586	13953	46531	3.335	0.002	
11.591	9318	46631	5.004	0.001	
11.623	97892	48831	0.499	0.014	
11.631	17107	48984	2.863	0.002	
11.638	22090	49260	2.230	0.003	
11.642	32050	49351	1.540	0.004	
11.669	95446	50981	0.534	0.014	
11.685	95822	49865	0.520	0.014	
11.788	8918	44609	5.002	0.001	
11.791	35704	44768	1.254	0.005	
11.804	11082	44350	4.002	0.001	
11.813	22172	44403	2.003	0.003	
11.823	19993	44543	2.228	0.002	
11.829	13395	44754	3.341	0.001	
11.837	20184	44981	2.228	0.002	
11.852	26933	44942	1.669	0.003	
11.866	36041	45224	1.255	0.005	
11.877	15835	45355	2.864	0.002	
11.883	18222	45726	2.509	0.002	
11.889	15985	45741	2.861	0.002	
11.896	20679	46117	2.230	0.003	
11.905	23259	46896	2.016	0.003	
11.929	70146	49826	0.710	0.010	
11.936	52288	50085	0.958	0.007	
11.951	14787	49369	3.339	0.002	
11.957	17313	49595	2.865	0.002	
11.961	32199	49647	1.542	0.004	
11.971	19578	49063	2.506	0.002	
11.980	34244	49065	1.433	0.005	
12.019	96987	51133	0.527	0.014	
12.025	48685	51499	1.058	0.007	
12.053	38386	51386	1.339	0.005	
12.062	38575	51549	1.336	0.005	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
12.070	17923	51300	2.862	0.002	
12.078	45780	51141	1.117	0.006	
12.105	31495	48817	1.550	0.004	
12.118	85510	48295	0.565	0.012	
12.148	55474	46657	0.841	0.008	21 C40
12.172	34299	45899	1.338	0.005	
12.181	18286	45754	2.502	0.002	
12.188	20565	45727	2.223	0.003	
12.198	29701	45787	1.542	0.004	
12.212	11377	45530	4.002	0.001	
12.218	29576	45566	1.541	0.004	
12.237	41054	45750	1.114	0.006	
12.243	13695	45701	3.337	0.002	
12.253	27528	46122	1.675	0.004	
12.260	16149	46201	2.861	0.002	
12.272	32473	46571	1.434	0.004	
12.347	231342	54259	0.235	0.034	
12.355	96470	54322	0.563	0.014	
12.383	13155	52687	4.005	0.001	
12.389	52817	52930	1.002	0.007	
12.434	117936	55204	0.468	0.017	
12.440	19323	55283	2.861	0.002	
12.448	22049	55156	2.502	0.003	
12.460	127044	56114	0.442	0.018	
12.500	63536	55700	0.877	0.009	
12.519	44746	56237	1.257	0.006	
12.523	16928	56556	3.341	0.002	
12.528	14154	56666	4.003	0.002	
12.532	14154	56644	4.002	0.002	
12.538	25607	57089	2.229	0.003	
12.543	31284	57010	1.822	0.004	
12.560	76588	57084	0.745	0.011	
12.574	22463	56167	2.500	0.003	
12.583	192414	56305	0.293	0.028	
12.668	201456	54098	0.269	0.029	
12.722	63529	49368	0.777	0.009	
12.744	14574	48683	3.340	0.002	
12.757	68233	49046	0.719	0.010	
12.777	29106	48653	1.672	0.004	
12.802	69072	49884	0.722	0.010	
12.805	19947	49915	2.502	0.002	
12.813	12457	49907	4.006	0.001	
12.826	42860	50672	1.182	0.006	
12.830	15192	50711	3.338	0.002	
12.835	63121	50727	0.804	0.009	
12.856	30109	50299	1.671	0.004	
12.871	12459	49875	4.003	0.001	
12.876	24950	49913	2.001	0.003	
12.883	12458	49860	4.002	0.001	
12.892	24999	50091	2.004	0.003	
12.904	37682	50442	1.339	0.005	
12.918	60965	51059	0.838	0.009	
12.929	15268	50972	3.338	0.002	
12.950	101236	52476	0.518	0.014	
12.991	32619	50285	1.542	0.004	
13.030	23826	47690	2.002	0.003	
13.047	49429	47410	0.959	0.007	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
13.072	11668	46709	4.003	0.001	
13.077	14056	46964	3.341	0.002	
13.083	21201	47214	2.227	0.003	
13.092	45034	47490	1.055	0.006	
13.103	33139	47401	1.430	0.004	
13.119	58622	47300	0.807	0.008	
13.136	61979	46406	0.749	0.009	
13.163	36232	45399	1.253	0.005	
13.172	13552	45219	3.337	0.002	
13.178	13550	45211	3.337	0.002	
13.183	13581	45318	3.337	0.002	
13.188	15867	45365	2.859	0.002	
13.193	11350	45433	4.003	0.001	
13.206	54879	45909	0.837	0.008	
13.233	74220	46899	0.632	0.010	
13.246	18724	46923	2.506	0.002	
13.250	14089	47028	3.338	0.002	
13.254	9392	46999	5.004	0.001	
13.261	35241	47103	1.337	0.005	
13.270	21093	46884	2.223	0.003	
13.278	16404	46889	2.858	0.002	
13.284	28108	46937	1.670	0.004	
13.309	27777	46575	1.677	0.004	
13.313	11643	46617	4.004	0.001	
13.323	30391	46938	1.544	0.004	
13.337	49696	47554	0.957	0.007	
13.345	11906	47686	4.005	0.001	
13.352	21499	47921	2.229	0.003	
13.358	14416	48133	3.339	0.002	
13.366	24163	48487	2.007	0.003	
13.391	108474	49842	0.459	0.016	
13.411	39818	49922	1.254	0.005	
13.421	140245	49882	0.356	0.020	
13.468	75433	46221	0.613	0.011	
13.519	59701	44435	0.744	0.008	
13.538	26345	44021	1.671	0.003	
13.553	17475	43727	2.502	0.002	
13.559	19699	43828	2.225	0.002	
13.566	15324	43832	2.860	0.002	
13.574	28519	43956	1.541	0.004	
13.585	21950	43943	2.002	0.003	
13.595	26497	44341	1.673	0.003	
13.603	22230	44574	2.005	0.003	
13.608	11135	44585	4.004	0.001	
13.633	100703	46371	0.460	0.014	
13.650	25255	45974	1.820	0.003	
13.663	20511	45675	2.227	0.003	
13.670	15945	45584	2.859	0.002	
13.677	40973	45642	1.114	0.006	
13.688	4544	45448	10.002	0.000	
13.693	29520	45508	1.542	0.004	
13.718	24720	44995	1.820	0.003	
13.727	11216	44890	4.002	0.001	
13.735	29185	45025	1.543	0.004	
13.752	17874	44782	2.505	0.002	
13.767	35874	45020	1.255	0.005	
13.775	36036	45104	1.252	0.005	

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
13.785	11226	44939	4.003	0.001	
13.790	47016	44953	0.956	0.006	
13.813	11118	44516	4.004	0.001	
13.818	37641	44507	1.182	0.005	
13.832	15424	44192	2.865	0.002	
13.838	17564	43967	2.503	0.002	
13.844	26339	43892	1.666	0.003	
13.855	30567	43821	1.434	0.004	
13.865	23854	43526	1.825	0.003	
13.882	28266	43639	1.544	0.004	
13.886	30418	43629	1.434	0.004	
13.901	34702	43472	1.253	0.005	
13.920	48162	44005	0.914	0.007	
13.928	17577	43956	2.501	0.002	
13.941	15410	44084	2.861	0.002	
13.946	11045	44251	4.006	0.001	
13.949	24369	44341	1.820	0.003	
13.959	22103	44264	2.003	0.003	
13.967	22088	44195	2.001	0.003	
13.976	33207	44336	1.335	0.004	18 Filter Peak
13.998	24195	44018	1.819	0.003	
14.007	15335	43888	2.862	0.002	
14.014	17519	43863	2.504	0.002	
14.019	54335	43870	0.807	0.008	
14.046	10722	42915	4.003	0.001	
14.052	19305	42955	2.225	0.002	
14.058	8568	42864	5.003	0.001	
14.067	38739	43159	1.114	0.005	
14.077	15012	42931	2.860	0.002	
14.083	25753	42977	1.669	0.003	
14.102	25682	42913	1.671	0.003	
14.108	19267	42865	2.225	0.002	
14.116	12834	42815	3.336	0.001	
14.126	25874	43369	1.676	0.003	
14.133	56339	43595	0.774	0.008	
14.161	32503	43582	1.341	0.004	
14.165	10909	43696	4.006	0.001	
14.170	15313	43822	2.862	0.002	
14.175	10960	43911	4.007	0.001	
14.178	13176	43945	3.335	0.001	
14.183	19785	43976	2.223	0.002	
14.191	8796	44018	5.005	0.001	
14.197	17636	44177	2.505	0.002	
14.208	28815	44459	1.543	0.004	
14.219	8873	44379	5.002	0.001	
14.223	13318	44445	3.337	0.001	
14.229	28860	44456	1.540	0.004	
14.247	15436	44194	2.863	0.002	
14.260	37147	43758	1.178	0.005	
14.274	45685	43705	0.957	0.006	
	677340272	268782821		100.000	

Total unknown % area = 25.478

Certificate of Analysis

Produced by Phenova
6390 Joyce Drive STE 100, Golden, CO 80403 USA ▪ Tel: 303-940-0033 ▪ Fax: 303-940-0043 ▪ info@phenova.com
Access your Safety Data Sheets and digital Certificates at **www.phenova.com/documents.**

Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101244
Description: Benzidines Standard
Storage: 4 °C
Provided As: 1 mL in 2 mL Ampoule in Methylene Chloride

Lot Number: CL17662
Certification Date: December 2, 2021
Expiration Date: November 30, 2031

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Benzidine	92-87-5	2000	± 0.211%
3,3'-Dichlorobenzidine	91-94-1	2000	± 1.305%

K3236

Certificate of Analysis

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6390 Joyce Drive STE 100, Golden, CO 80403 USA ▪ Tel: 303-940-0033 ▪ Fax: 303-940-0043 ▪ info@phenova.com
Access your Safety Data Sheets and digital Certificates at www.phenova.com/documents.

1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO 17034[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in calibration, calibration verification, quantification, identification and other appropriate analytical control applications. The product is intended for routine laboratory analysis and research purposes only. Only trained personnel should handle this product.

4. Handling and Usage Notes: Store according to recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects, and additional transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm the opened product is fit for purpose under repeated use conditions.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

$$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31 – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35 – Reference Material – General and Statistical Principles for Certification.
[3] ISO 17034 – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

Certificate of Analysis

BNAs - Sandy Loam 1

Certified Reference Material

Description

Product ID CRM143-50G
Lot **LRAC8918**
Expiration Date January 2024
Manufacturing Date January 2021
Storage Conditions Refrigerate
Solvent/Matrix SOIL

Certified Values

Analyte	*Units*	*Certified Value* [1,4]
1,2,4-Trichlorobenzene	µg/Kg	1477 ± 181
1,3-Dichlorobenzene (m-Dichlorobenzene)	µg/Kg	1625 ± 292
1-Chloronaphthalene	µg/Kg	2809 ± 84
2,3-Dimethylphenol	µg/Kg	4552 ± 137
2,4,5-Trichlorophenol	µg/Kg	3438 ± 245
2,4,6-Trichlorophenol	µg/Kg	2194 ± 251
2,4-Dichlorophenol	µg/Kg	6991 ± 394
2,4-Dimethylphenol	µg/Kg	6357 ± 879
2,4-Dinitrophenol	µg/Kg	2922 ± 523
2,4-Dinitrotoluene (2,4-DNT)	µg/Kg	3318 ± 442
2,6-Dichlorophenol	µg/Kg	4578 ± 874
2,6-Dimethylphenol	µg/Kg	7582 ± 228
2-Chloronaphthalene	µg/Kg	2223 ± 168
2-Chlorophenol	µg/Kg	1678 ± 202
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	µg/Kg	5148 ± 685
2-Methylphenol (o-Cresol)	µg/Kg	6004 ± 573
2-Nitrophenol	µg/Kg	6456 ± 383
3,4-Dimethylphenol	µg/Kg	7185 ± 216
3+4-Methylphenol (m+p-Cresol)	µg/Kg	8033 ± 1613
4-Bromophenyl phenyl ether (BDE-3)	µg/Kg	7169 ± 310
4-Chloro-3-methylphenol	µg/Kg	2071 ± 110
4-Chlorophenyl phenylether	µg/Kg	2052 ± 113
4-Methylphenol (p-Cresol)	µg/Kg	6617 ± 1371
4-Nitrophenol	µg/Kg	6812 ± 595
Acenaphthene	µg/Kg	5489 ± 380

Description

Lot **LRAC8918**
Expiration Date January 2024
Manufacturing Date January 2021
Storage Conditions Refrigerate
Solvent/Matrix SOIL

Acenaphthylene	µg/Kg	1948 ± 240
Anthracene	µg/Kg	2866 ± 237
Benzo(a)anthracene	µg/Kg	5751 ± 552
Benzo(a)pyrene	µg/Kg	5902 ± 612
Benzo(b)fluoranthene	µg/Kg	3010 ± 409
Benzo(b+k)fluoranthene	µg/Kg	6534 ± 196
Benzo(g,h,i)perylene	µg/Kg	1380 ± 136
Benzo(k)fluoranthene	µg/Kg	2215 ± 237
Butyl benzyl phthalate	µg/Kg	3511 ± 384
Carbazole	µg/Kg	5412 ± 407
Chrysene	µg/Kg	1477 ± 72
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	µg/Kg	2905 ± 321
Dibenzo(a,h)anthracene	µg/Kg	3420 ± 302
Dibenzofuran	µg/Kg	6130 ± 253
Dimethyl phthalate	µg/Kg	4537 ± 250
Di-n-butyl phthalate	µg/Kg	1721 ± 154
Di-n-octyl phthalate	µg/Kg	2744 ± 288
Fluoranthene	µg/Kg	2497 ± 222
Fluorene	µg/Kg	3724 ± 222
Hexachlorobutadiene	µg/Kg	1877 ± 245
Indeno(1,2,3-cd) pyrene	µg/Kg	3914 ± 409
Isophorone	µg/Kg	1615 ± 170
Naphthalene	µg/Kg	4458 ± 480
Nitrobenzene	µg/Kg	3539 ± 266
n-Nitrosodimethylamine	µg/Kg	1580 ± 402
n-Nitrosodiphenylamine	µg/Kg	2854 ± 379
Pentachlorophenol	µg/Kg	3411 ± 358
Phenanthrene	µg/Kg	5052 ± 385
Phenol	µg/Kg	2660 ± 184
Pyrene	µg/Kg	2964 ± 256
Pyridine	µg/Kg	1008 ± 30

Informational Values

Certificate of Analysis

BNAs - Sandy Loam 1

Certified Reference Material

Description

Product ID CRM143-50G
Lot **LRAC8918**
Expiration Date January 2024
Manufacturing Date January 2021
Storage Conditions Refrigerate
Solvent/Matrix SOIL

Analyte	*Units*	*Suggested Acceptance Windows*	*Standard Deviation*
1,2,4-Trichlorobenzene	µg/Kg	148 to 2853	459
1,3-Dichlorobenzene (m-Dichlorobenzene)	µg/Kg	163 to 3440	605
1-Chloronaphthalene	µg/Kg	1123 to 4494	562
2,3-Dimethylphenol	µg/Kg	1821 to 7284	910
2,4,5-Trichlorophenol	µg/Kg	1003 to 5872	811
2,4,6-Trichlorophenol	µg/Kg	640 to 3748	518
2,4-Dichlorophenol	µg/Kg	2391 to 11591	1533
2,4-Dimethylphenol	µg/Kg	0.00 to 13959	2534
2,4-Dinitrophenol	µg/Kg	1169 to 4675	584
2,4-Dinitrotoluene (2,4-DNT)	µg/Kg	1248 to 5388	690
2,6-Dichlorophenol	µg/Kg	1831 to 7324	916
2,6-Dimethylphenol	µg/Kg	3033 to 12132	1516
2-Chloronaphthalene	µg/Kg	748 to 3699	492
2-Chlorophenol	µg/Kg	415 to 2942	421
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	µg/Kg	0.00 to 10347	1733
2-Methylphenol (o-Cresol)	µg/Kg	1306 to 10702	1566
2-Nitrophenol	µg/Kg	1534 to 11379	1641
3,4-Dimethylphenol	µg/Kg	2874 to 11495	1437
3+4-Methylphenol (m+p-Cresol)	µg/Kg	4054 to 16218	2027
4-Bromophenyl phenyl ether (BDE-3)	µg/Kg	2901 to 11437	1423
4-Chloro-3-methylphenol	µg/Kg	677 to 3464	464
4-Chlorophenyl phenylether	µg/Kg	756 to 3348	432
4-Methylphenol (p-Cresol)	µg/Kg	2647 to 10587	1323
4-Nitrophenol	µg/Kg	681 to 14762	2650
Acenaphthene	µg/Kg	2243 to 8736	1082
Acenaphthylene	µg/Kg	712 to 3183	412
Anthracene	µg/Kg	1218 to 4515	550
Benzo(a)anthracene	µg/Kg	2806 to 8696	982
Benzo(a)pyrene	µg/Kg	2512 to 9292	1130
Benzo(b)fluoranthene	µg/Kg	1197 to 4822	604
Benzo(b+k)fluoranthene	µg/Kg	2614 to 10454	1307

Description

Lot **LRAC8918**
Expiration Date January 2024
Manufacturing Date January 2021
Storage Conditions Refrigerate
Solvent/Matrix SOIL

Benzo(g,h,i)perylene	µg/Kg	489 to 2271	297
Benzo(k)fluoranthene	µg/Kg	892 to 3537	441
Butyl benzyl phthalate	µg/Kg	1255 to 5766	752
Carbazole	µg/Kg	2032 to 8792	1127
Chrysene	µg/Kg	669 to 2284	269
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	µg/Kg	765 to 5045	713
Dibenzo(a,h)anthracene	µg/Kg	1257 to 5583	721
Dibenzofuran	µg/Kg	2766 to 9493	1121
Dimethyl phthalate	µg/Kg	1842 to 7231	898
Di-n-butyl phthalate	µg/Kg	495 to 2947	409
Di-n-octyl phthalate	µg/Kg	690 to 4798	685
Fluoranthene	µg/Kg	984 to 4009	504
Fluorene	µg/Kg	1638 to 5810	695
Hexachlorobutadiene	µg/Kg	425 to 3329	484
Indeno(1,2,3-cd) pyrene	µg/Kg	870 to 6957	1015
Isophorone	µg/Kg	437 to 2792	392
Naphthalene	µg/Kg	1131 to 7784	1109
Nitrobenzene	µg/Kg	1024 to 6054	838
n-Nitrosodimethylamine	µg/Kg	632 to 2528	316
n-Nitrosodiphenylamine	µg/Kg	1142 to 4567	571
Pentachlorophenol	µg/Kg	341 to 7037	1209
Phenanthrene	µg/Kg	2307 to 7798	915
Phenol	µg/Kg	681 to 4639	660
Pyrene	µg/Kg	1118 to 4810	615
Pyridine	µg/Kg	403 to 1613	202

Additional Information:

DESCRIPTION

The organic sample is a soil containing extractable BNAs for analysis by 8100, 8270, 8310 or equivalent methods.

This product consist of a 5 vials each containing 10g of soil for analysis of PAHs. Each vial is identical and has been tested how homogeneity. Only one vial is need for test the remaining vials are to be used for multiple methods or routine testing.

The soil has been sterilized to minimize degradation of the sample.

The sample has been sized to 100 mesh.

Required storage condition is 4ºC.

The sample has been intentionally prepared with an apparent headspace.

STORAGE

The sample should be stored at 4ºC. It has been determined to be stable for the duration of the expiration date.

After sub-sampling replace cap securely and store remaining sample at 4ºC.

The shelf life of the product was determined by historic stability of similar CRM's. The expiration date may be extended based on stock and popularity upon successful stability testing by a 17025 accredited laboratory.

Certificate of Analysis

BNAs - Sandy Loam 1

Certified Reference Material

Description

Product ID	CRM143-50G
Lot	**LRAC8918**
Expiration Date	January 2024
Manufacturing Date	January 2021
Storage Conditions	Refrigerate
Solvent/Matrix	SOIL

Stability and shelf life after opening must be determined by the user, taking into account sampling frequency/volume and all local conditions.

SAMPLE PREPARATION

Extract the complete contents of a single vial. Transfer entire contents of one vial to extraction vessel. Rinse vial and cap with extraction solvent.

Assume a 10g sample size for all calculations.

Note: Sample extracts and calibration solutions should be in the same solvent.

Report all results on a wet weight basis, do not correct for moisture.

NOTE: For method 8100 and using a packed column gas chromatographic method or cannot adequately resolve the following may coelute in four pairs of compounds: anthracene and phenanthrene; chrysene and benzo(a)anthracene; benzo(b)fluoranthene and benzo(k)fluoranthene; and dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene.

SCOPE AND APPLICATION

The BNAs in Soil Certified Reference Material (CRM) consists of 5 10mL VOA vials, with a Teflon lined closures containing approximately 10 grams of soil, fortified with BNAs. Being a natural matrix waste sample the analyst is challenged by the same preparation problems, analytical interferences, etc. as is typical for similar matrices received by the laboratory for analysis.

Description

Lot	**LRAC8918**
Expiration Date	January 2024
Manufacturing Date	January 2021
Storage Conditions	Refrigerate
Solvent/Matrix	SOIL

1 **Metrological traceability:** Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. The balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.
4 Ucrm - Uncertainty values in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a *t*-distribution and degrees of freedom. K=2 unless specified. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical representation of the Ucrm calculation is as follows:

$$u_{CRM} = \sqrt{u_{char}^2 + u_{\text{hom } ogeneity}^2 + u_{stability}^2}$$

***k*:** Coverage factor derived from a t-distribution table, based on the degrees of freedom of the data set. Assume 2.0 for a **Confidence interval = 95%**

6 Analytical Value- For QC verification of the certified value only- not to be used in calculations. Represents the analytical data obtained by comparison to a standard as analyzed by the method described in the CoA or another acceptable method. The result may differ from the certified value and UCRM based on method uncertainty as well as the uncertainty associated with the standard used for comparison.

Traceability: The standard was manufactured under an ISO/IEC 17025:2017 certified quality system. The balance used to weigh raw materials is accurate to +/- 0.0001g and calibrated regularly using mass standards traceable to NIST. All dilutions were preformed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.

Homogeneity: Homogeneity was assessed in accordance with ISO 17034:2016. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared using a one-way analysis of variance approach as described by TNI EL-V3-2009 Appendix A.2. See Instructions for minimum sub-sample size.

Expiration is at end of month given on certificate and label.

MSDS reports for components comprising greater than 1.0% of the solution or 0.1% for components known to be carcinogens are available upon request.

THIS PRODUCT WAS DESIGNED, PRODUCED AND VERIFIED FOR ACCURACY AND STABILITY IN ACCORDANCE WITH **ISO/IEC 17025:2017 (ANAB Cert AT-1467)** and **ISO 17034:2016 (ANAB Cert AR-1470).**

Andy Ommen - QC Manager

Mark Pooler - QA Supervisor

Certification Date	January 05, 2021
Version	0-152021

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

Reference Materials Producer
Cert #2495.01

Certificate of Analysis

Chemical Testing
Cert #2495.02

Catalog Number: ECS-A-030 **Lot No.** AA210126005

Description: Base/Neutrals Mix 1

Matrix: Methylene Chloride

Manufactured Date: 1-26-2021

Expiration Date: 1-26-2024

This **SPEXOrganics**® Certified Reference Material, CRM, is intended primarily for use as a calibration standard or quality control standard for organic chromatography instrumentation such as GC, GC-MS, LC, and LC-MS. It can be employed in USEPA, ASTM and other methods relevant to the certified properties listed below.

Certified Compounds:

Compound	CAS #	Labeled	Purity	Certified†	Uncertainty
1,2,4-Trichlorobenzene	120-82-1	2000 µg/mL	99%	2010 µg/mL	± 50 µg/mL
1,2-Dichlorobenzene	95-50-1	2000 µg/mL	99%	2002 µg/mL	± 50 µg/mL
1,3-Dichlorobenzene	541-73-1	2000 µg/mL	98%	2021 µg/mL	± 51 µg/mL
1,4-Dichlorobenzene	106-46-7	2000 µg/mL	99%	2012 µg/mL	± 50 µg/mL
2,4-Dinitrotoluene	121-14-2	2000 µg/mL	97%	2006 µg/mL	± 50 µg/mL
2,6-Dinitrotoluene	606-20-2	2000 µg/mL	99.6%	2012 µg/mL	± 50 µg/mL
2-Chloronaphthalene	91-58-7	2000 µg/mL	98%	2004 µg/mL	± 50 µg/mL
4-Bromodiphenyl ether	101-55-3	2000 µg/mL	99%	2022 µg/mL	± 51 µg/mL
4-Chlorophenyl-phenyl ether	7005-72-3	2000 µg/mL	98%	2001 µg/mL	± 50 µg/mL
Azobenzene	103-33-3	2000 µg/mL	98%	2001 µg/mL	± 50 µg/mL
Bis(2-chloro-1-methylethyl) ether	108-60-1	2000 µg/mL	98.9%	2010 µg/mL	± 50 µg/mL
bis(2-Chloroethoxy)methane	111-91-1	2000 µg/mL	97%	2001 µg/mL	± 50 µg/mL
bis(2-Chloroethyl)ether	111-44-4	2000 µg/mL	99%	2002 µg/mL	± 50 µg/mL
Bis(2-Ethylhexyl)phthalate	117-81-7	2000 µg/mL	99%	2003 µg/mL	± 50 µg/mL
Butylbenzyl phthalate	85-68-7	2000 µg/mL	98%	2000 µg/mL	± 50 µg/mL
Carbazole	86-74-8	2000 µg/mL	95%	2009 µg/mL	± 50 µg/mL
Di-n-butyl phthalate	84-74-2	2000 µg/mL	99%	2020 µg/mL	± 50 µg/mL
Di-n-octyl phthalate	117-84-0	2000 µg/mL	98%	2000 µg/mL	± 50 µg/mL
Diethyl phthalate	84-66-2	2000 µg/mL	99.5%	2002 µg/mL	± 50 µg/mL
Dimethyl phthalate	131-11-3	2000 µg/mL	99%	2006 µg/mL	± 50 µg/mL
Hexachlorobenzene	118-74-1	2000 µg/mL	99%	2003 µg/mL	± 50 µg/mL
Hexachlorobutadiene	87-68-3	2000 µg/mL	97%	2003 µg/mL	± 50 µg/mL
Hexachlorocyclopentadiene	77-47-4	2000 µg/mL	99%	2003 µg/mL	± 50 µg/mL
Hexachloroethane	67-72-1	2000 µg/mL	98%	2003 µg/mL	± 50 µg/mL
Isophorone	78-59-1	2000 µg/mL	97%	2003 µg/mL	± 50 µg/mL
N-Nitrosodi-n-propylamine	621-64-7	2000 µg/mL	98%	2000 µg/mL	± 50 µg/mL
N-Nitrosodiphenylamine	86-30-6	2000 µg/mL	97%	2001 µg/mL	± 50 µg/mL
Nitrobenzene	98-95-3	2000 µg/mL	99%	2001 µg/mL	± 50 µg/mL
Pyridine	110-86-1	2000 µg/mL	99%	2004 µg/mL	± 50 µg/mL
N-Nitrosodimethylamine	62-75-9	2000 µg/mL	97%	2000 µg/mL	± 50 µg/mL

Certificate of Reference Material

Catalog Number: ECS-A-030

Description: Base/Neutrals Mix 1

Matrix: Methylene Chloride

Lot No. AA210126005

Manufactured Date: 1-26-2021

Expiration Date: 1-26-2024

Final Solution Verification:

Final solution integrity verified by Gas Chromatography/Mass Spectrometry. The mass spectrum of each compound was confirmed against the NIST mass spectral database.

† Certified concentration based on gravimetric weights and corrected for the purity of the compound(s) used to prepare the standard. Analytical balance calibration is verified daily with C1 weight set #23-190006 which is registered with Atlantic Scale, and traceable to NIST and NJ Division of Weights and Measures.

This CRM is guaranteed stable and accurate to within the uncertainty listed for the certified value. This includes uncertainty components due to preparation, homogeneity, short term and long term stability. During the stated period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution. For further information, contact the Sales Support Department at crmsales@spexcsp.com.

Date of Certification: 1-26-2021

Certifying Officer: Shannon Mora

Report of Certification

Catalog Number: ECS-A-030 **Lot No.** AA210126005

Description: Base/Neutrals Mix 1

Matrix: Methylene Chloride

Manufactured Date: 1-26-2021

Expiration Date: 1-26-2024

This Certified Reference Material (CRM) has been prepared and certified under an ISO 9001:2008, ISO 17025:2005, and ISO Guide 34:2009 Quality System consistent with the following standards:

- ISO 9001:2008: Quality management systems - Requirements - Certified by UL-DQS
- ISO 17025:2005: General Requirements for the Competence of Testing and Calibration Laboratories - Accredited by A2LA
- ISO Guide 34:2009: General Requirements for the Competence of Reference Material Producers - Accredited by A2LA
- ISO Guide 31:2000: Reference Materials - Contents of Certificates and Labels
- ISO Guide 35:2006: Reference Materials - General and statistical principals for certification
- Guide to the Expression of Uncertainty in Measurement 1997
- EURACHEM/CITAC Guide: Qualifying Uncertainty in Analytical Measurements - Second Edition
- ASTM Guide D6362-98
- NIST Technical Note 1297
- ILAC-G12-2000: Guidelines for the requirements for the competence of reference material producers
- ISO/REMCO N280

Storage Requirements:

To ensure the stability of the product once it arrives in your laboratory , please store this product in a refrigerator (2°C to 8°C). Note: Shipping conditions may differ from storage conditions. The EXPIRATION DATE is calculated from the MANUFACTURED DATE using our stability data and is applicable only if the product is unopened and stored under the prescribed conditions.

Instructions for Use:

Let material come to room temperature before use. Check for precipitate and if necessary sonicate for one minute. If compounds do not dissolve after one minute then sonicate further until the product is dissolved. A clear appearance is acceptable. The minimum recommended amount that should be removed from this vial is 5 µL with a 25µL gas tight syringe. All solutions should be thoroughly mixed, by shaking, prior to use. All surfaces that come in contact with the solution must be thoroughly cleaned prior to use. Dilutions should be performed only with Class A volumetric glassware.

Material Source:

All analytes and matrix materials are obtained and verified by SPEX CertiPrep from pre-qualified vendors as per ISO guidelines. Vendor identifications are proprietary, however sources of all materials used in the preparation and testing of SPEX CertiPrep CRMs are tracked and documented. For assistance, please contact sales support at crmsales@spexcsp.com.

Method of Preparation:

Clean laboratory procedures and techniques have been used throughout the preparation. All materials, equipment, and analytical instrumentation have been qualified prior to use. The highest purity solvents and Class A / calibrated volumetrics have been been used in all preparations.

Homogeneity:

The homogeneity of this CRM has been confirmed by procedures consistent with ISO 17025:2005, ISO Guide 34:2009, and ASTM D6362-98 Appendix X2. Random, replicate samples of the final, packaged material have been analyzed to prove homogeneity in accordance with our internal procedure 4300-HOMOGEN-1A. This is consistent with the intended use of this CRM. The Degree of Homogeneity, as expressed as maximum between-bottle variation, is 1.2%

Statistical Estimator and Confidence Limits:

The Certified value 'X' as listed on the reverse of this document is at the 95% level of confidence and can be expressed as:

- $X = x \pm U$ where X=certified value, U=expanded uncertainty, x=property value
- $U = ku_c$ where k=2 is the coverage factor at the 95% confidence level
- u_c = combined standard uncertainty obtained by combining the individual compound standard uncertainty components u_i, where $u_c = \sqrt{\sum u_i^2}$

Legal Notice:

SPEX CertiPrep Certified Reference Materials are not for any cosmetic, drug, or household application and are to be used only by qualified individuals who are trained in appropriate procedures. No claims against SPEX CertiPrep of any kind whatsoever, whether based on breech of warranty, alleged negligence, or otherwise, with respect to this Reference Material shall be greater than the purchase price. In no event shall SPEX CertiPrep be liable for any loss of profits or any incidental, special, or consequential damages.

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Accredited to 17025 & Guide 34 ISO Certified to 9001

ACCREDITED
Reference Materials Producer
Cert #2495.01

ECS

Certificate of Analysis

ilac-MRA ACCREDITED
Chemical Testing
Cert #2495.02

Catalog Number: ECS-A-030 **Lot No.** AA210126005

Description: Base/Neutrals Mix 1

Matrix: Methylene Chloride

Manufactured Date: 1-26-2021

Expiration Date: 1-26-2024

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K004542

Certificate of Reference Material

Catalog Number: ECS-A-030

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Lot No. AA210126005

Manufactured Date: 1-26-2021

Expiration Date: 1-26-2024

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Date of Certification: 1-26-2021

Certifying Officer: Shannon Nave

Report of Certification

Catalog Number: ECS-A-030 **Lot No.** AA210126005

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Matrix: Methylene Chloride

Manufactured Date: 1-26-2021

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- $U = ku_c$ where k=2 is the coverage factor at the 95% confidence level
- u_c = combined standard uncertainty obtained by combining the individual compound standard uncertainty components u_i where $u_c = \sqrt{\sum u_i^2}$

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31493 **Lot No.:** A0181243

Description : CLP 04.1 BNA Surrogate Mix

CLP 04.1 BNA Surrogate Mix 1000-1500 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2025 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

05/11/22

K004545
CLP 04.1 BNA SURR MIX
Solvent / Lot: AO175316
Prep: 5/11/2022 by JZ
Exp: 10/20/2025
Location:

Elution Order	Compound	Gr (weig					
1	2-Fluorophenol **CAS #** 367-12-4 (Lot STBJ2508) **Purity** 99%	1,50		+/- 53.3632	µg/mL	Stressed	
2	Phenol-d6 **CAS #** 13127-88-3 (Lot PR-31262) **Purity** 99%	1,506.0	µg/mL	+/- 8.9452 +/- 43.9882 +/- 53.3632	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed	
3	2-Chlorophenol-d4 **CAS #** 93951-73-6 (Lot PR-30568) **Purity** 99%	1,510.0	µg/mL	+/- 8.9689 +/- 44.1050 +/- 53.5049	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed	
4	1,2-Dichlorobenzene-d4 **CAS #** 2199-69-1 (Lot PR-32542/022621DB1 **Purity** 99%	1,004.0	µg/mL	+/- 5.9635 +/- 29.3255 +/- 35.5754	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed	
5	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	1,008.0	µg/mL	+/- 5.9872 +/- 29.4423 +/- 35.7172	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed	
6	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 19169) **Purity** 99%	1,006.0	µg/mL	+/- 5.9753 +/- 29.3839 +/- 35.6463	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed	
7	2,4,6-Tribromophenol **CAS #** 118-79-6 (Lot MKCJ7664) **Purity** 99%	1,506.0	µg/mL	+/- 8.9452 +/- 43.9882 +/- 53.3632	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed	

Certificate of Analysis

phenova Certified Reference Materials | A Phenomenex Company

Produced by Phenova
6390 Joyce Drive STE 100, Golden, CO 80403 USA ▪ Tel: 303-940-0033 ▪ Fax: 303-940-0043 ▪ info@phenova.com
Access your Safety Data Sheets and digital Certificates at **www.phenova.com/documents.**

Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.:	AL0-101246	**Lot Number:**	CL17953
Description:	Benzoic Acid	**Certification Date:**	January 31, 2022
Storage:	4 °C	**Expiration Date:**	January 31, 2032
Provided As:	1 mL in 2 mL Ampoule in Methylene Chloride		

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Benzoic acid	65-85-0	2000	± 2.714%

K004603
Benzoic Acid @2000ug/ml
Solvent / Lot: N/A
Prep: 5/13/2022 by JZ
Exp: 1/31/2032
Location: GC

5/13/22

ACCREDITED
Reference Material Producer
Certicate No. 2427.02

phenova Certified Reference Materials | A Phenomenex Company

Phenova is an accredited ISO/IEC 17034 Reference Material Producer and ISO/IEC 17025 accredited Chemical Testing Laboratory.

ACCREDITED
Chemical Testing Laboratory
Certicate No. 2427.03

IL64691018 us

Certificate of Analysis

phenova Certified Reference Materials | A Phenomenex Company

Produced by Phenova
6390 Joyce Drive STE 100, Golden, CO 80403 USA ▪ Tel: 303-940-0033 ▪ Fax: 303-940-0043 ▪ info@phenova.com
Access your Safety Data Sheets and digital Certificates at **www.phenova.com/documents.**

Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101244
Description: Benzidines Standard
Storage: 4 °C
Provided As: 1 mL in 2 mL Ampoule in Methylene Chloride

Lot Number: CL17662
Certification Date: December 2, 2021
Expiration Date: November 30, 2031

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Benzidine	92-87-5	2000	± 0.211%
3,3'-Dichlorobenzidine	91-94-1	2000	± 1.305%

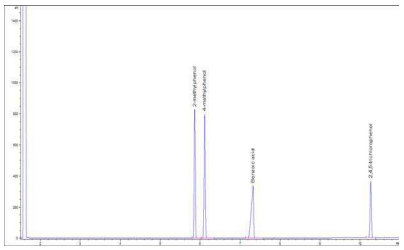
K004604
Benzidines std @2000ug/ml
Solvent / Lot: MeCl2
Prep: 5/13/2022 by JZ
Exp: 11/30/2031
Location: GC

5/13/22

Certificate of Analysis - Certified Reference Material

EPA TCL Hazardous Substances Mix 1

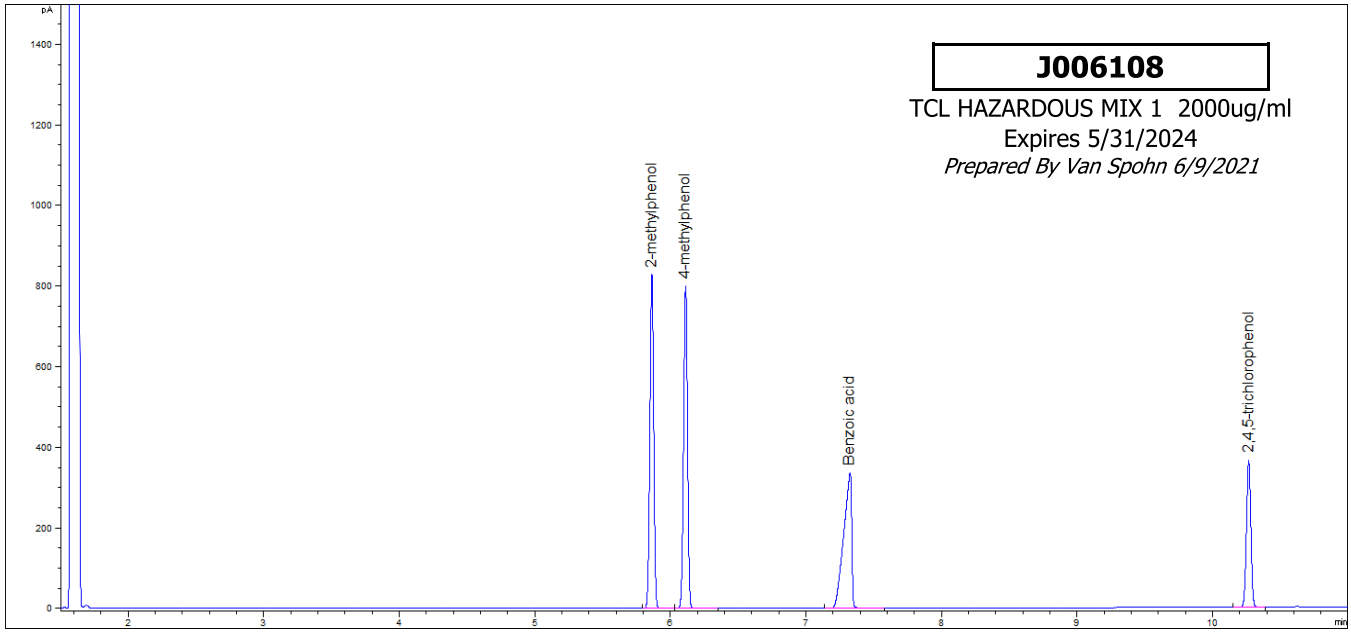
Product no.: 48907
Lot no.: LRAC9610
Expiry Date: May 2024
Manufacturing Date: May 2021
Storage: Refrigerate
Solvent/Matrix: DICHLOROMETHANE
Certificate version: LRAC9610.01 *(Note: Certificates may be updated due to the availability of new data. Check our website at: www.sigma-aldrich.com for the most current version.)*



Certified Values:

Analyte	*Certified Value*	*Units*	*Raw Material Purity,%*	*Elution order*	*Raw Material Lot*
2-METHYLPHENOL CAS# 95-48-7	2004 ± 9	µg/mL	99.0	1	G1735A
4-METHYLPHENOL CAS# 106-44-5	2004 ± 13	µg/mL	98.9	2	06921MG
BENZOIC ACID CAS# 65-85-0	2012 ± 6	µg/mL	99.9	3	LC16514
2,4,5-TRICHLOROPHENOL CAS# 95-95-4	2003 ± 6	µg/mL	99.9	4	JS00008

Informational Values:



Additional Information:
Analytical Method Parameters:
Column: Equity-5, 30 m × 0.53 mm I.D., 1.5 µm film thickness (Column #98)
Carrier Gas: H2, Flow: 4.5 mL/min
Inlet Temperature: 170 °C, Injection Volume: 1 µL
Injection Mode: Split, Split Ratio: 20:1

Sigma-Aldrich RTC, 2931 Soldier Springs Rd. Laramie, WY 82070, USA;
Tel. 1 307-742-5452; Fax 1 855-831-9211; www.sigmaaldrich.com
Sigma-Aldrich RTC is a subsidiary of Merck KGaA, Darmstadt, Germany.

Temperature Program: 80 °C @ 10 °C/min to 190 °C (Hold 5 min)
Detector: FID
Detector Temperature: 310 °C

Metrological traceability: Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. The balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.

Measurement method: Where applicable, the assigned value is based on a purity determination by mass balance and gravimetrically prepared value.

Intended use: Intended for R&D and Analytical Use only. Not for drug, household or other uses.

Packaging: 1 mL in amber ampule

Instructions for handling and correct use: Use on the as is basis. The internal pressure of the container may be slightly different from the atmospheric pressure at the user`s location. Open slowly and carefully to avoid dispersion of the material.

Health and safety information: All chemical reference materials should be considered potentially hazardous and should be used only by qualified laboratory personnel. Please refer to the Safety Data Sheet for detailed information about the nature of any hazard and appropriate precautions to be taken.

Accreditation: Sigma-Aldrich RTC is accredited by the US accreditation authority ANAB as a registered reference material producer AR-1470 in accordance with ISO 17034.

Certificate issue date: 20-May-2021

Andy Ommen - QC Manager

Mark Pooler - QA Supervisor

Details on metrological traceability: This standard has been gravimetrically prepared using balances that have been fully qualified and calibrated to ISO 17025 requirements. All calibrations utilize NIST traceable weights which are calibrated externally by a qualified ISO 17025 accredited calibration laboratory to NIST standards. Qualification of each balance includes the assignment of a minimum weighing by a qualified and ISO 17025 accredited calibration vendor taking into consideration the balance and installed environmental conditions to ensure compliance with USP tolerances of NMT 0.10% relative error. Fill volume to predetermined specifications is gravimetrically verified throughout the dispensing process using qualified and calibrated balances. Further traceability to a corresponding Primary Standard may be achieved through a direct comparison assay. Where a Primary Standard is available, the assay value will be included in the specified section of the COA.

Associated uncertainty: Ucrm - Uncertainty values in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a *t*-distribution and degrees of freedom. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical representation of the Ucrm calculation is as follows:

$$u_{CRM} = \sqrt{u_{char}^2 + u_{\text{hom } ogeneity}^2 + u_{stability}^2}$$

Homogeneity assessment: Homogeneity was assessed in accordance with ISO Guide 35. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared by Single Factor Analysis of Variance (ANOVA). The uncertainty due to homogeneity was derived from the ANOVA. Heterogeneity was not detected under the conditions of the ANOVA.

Stability assessment: Significance of the stability assessment will be demonstrated if the analytical result of the study and the range of values represented by the Expanded Uncertainty do not overlap the result of the original assay and the range of its values represented by the Expanded Uncertainty. The method employed will usually be the same method used to characterize the assay value in the initial

Certificate of analysis revision history:

Certificate version	Date	Reason for version
LRAC9610.01	20-May-2021	Original Release Date

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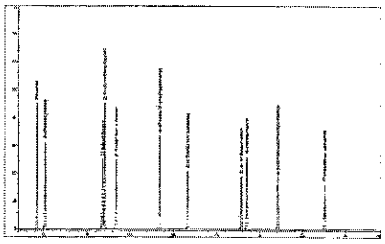
Supelco®

www.sigmaaldrich.com

Certificate of Analysis - Certified Reference Material

EPA TCL Phenols Mix

Product no.: 48904
Lot no.: LRAD0139
Expiry Date: July 2024
Manufacturing Date: July 2021
Storage: REFRIGERATE
Solvent/Matrix: DICHLOROMETHANE
Certificate version: LRAD0139.01 *(Note: Certificates may be updated due to the availability of new data. Check our website at: www.sigma-aldrich.com for the most current version.)*



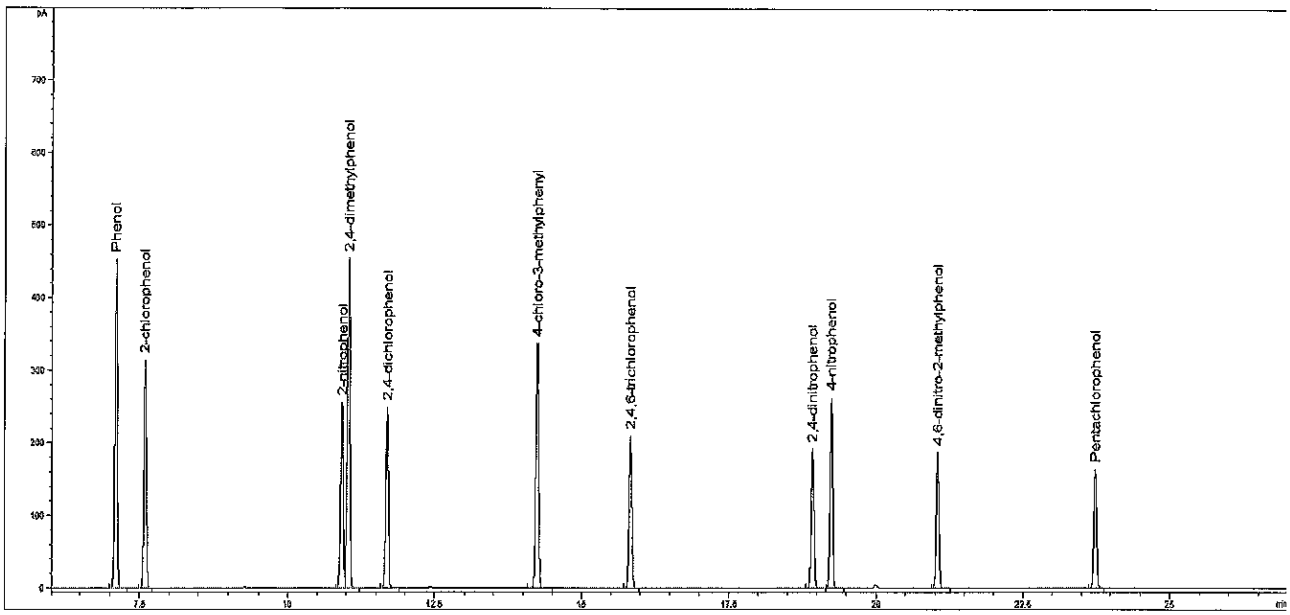
Certified Values:

Analyte	*Certified Value*	*Units*	*Raw Material Purity,%*	*Raw Material Lot*
2-CHLOROPHENOL CAS# 95-57-8	2001 ± 25	µg/mL	99.9	STBG3033V
2-NITROPHENOL CAS# 88-75-5	1999 ± 18	µg/mL	99.3	15905BB
2,4-DIMETHYLPHENOL CAS# 105-67-9	2000 ± 14	µg/mL	99.2	05421CO
2,4-DICHLOROPHENOL CAS# 120-83-2	2000 ± 17	µg/mL	99.5	03221TN
4-CHLORO-3-METHYLPHENOL CAS# 59-50-7	2000 ± 5	µg/mL	99.9	JS00013
2,4,6-TRICHLOROPHENOL CAS# 88-06-2	2002 ± 5	µg/mL	99.5	04212PS
2,4-DINITROPHENOL CAS# 51-28-5	2000 ± 28	µg/mL	66.9	STBJ5751
4-NITROPHENOL CAS# 100-02-7	2000 ± 33	µg/mL	99.0	04628LT
2-METHYL-4,6-DINITROPHENOL CAS# 534-52-1	2000 ± 27	µg/mL	99.7	LC18338
PENTACHLOROPHENOL CAS# 87-86-5	1999 ± 25	µg/mL	97.9	MKCD2150

ASSAY Method

J013597
TCL Phenols Mix 2000ug/ml
Solvent / Lot: LRAD0139
Prep: 12/30/2021 by VS
Exp: 7/31/2024
Location:

Sigma-Aldrich RTC, 2931 Soldier Springs Rd. Laramie, WY 82070, USA;
Tel. 1 307-742-5452; Fax 1 855-831-9211; www.sigmaaldrich.com
Sigma-Aldrich RTC is a subsidiary of Merck KGaA, Darmstadt, Germany.



METHOD: GC (Bellefonte Method)

Column: SPB-5, 30 m × 0.53 mm I.D., 1.5 µm film thickness
Carrier Gas: H_2 Flow Rate: 4.5 mL/min
Inlet Temperature: 200 °C Injection Volume: 1.0 µL
Injection Mode: 25:1
Temperature Program: 80 °C (Hold 2 min) @ 6 °C/min to 260 °C (Hold 5 min)
Detector: FID Temperature: 310 °C

Elution details:

EO	RT(MIN)	ANALYTE
1	7.095	Phenol
2	7.585	2-chlorophenol
3	10.925	2-nitrophenol
4	11.037	2,4-dimethylphenol
5	11.696	2,4-dichlorphenol
6	14.242	4-chloro-3-m3thylphenol
7	15.842	2,4,6-trichlorophenol
8	18.93	2,4-dinitrophenol
9	19.25	4-nitrophenol
10	21.05	4,6-dinitro-2-methylphenol
11	23.752	Pentachlorophenol

Metrological traceability: Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. The balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.

Measurement method: Where applicable, the assigned value is based on a purity determination by mass balance and gravimetrically prepared value.

Intended use: Intended for R&D and Analytical Use only. Not for drug, household or other uses.

Packaging: 1 mL in amber ampule

Instructions for handling and correct use: Use on the as is basis. The internal pressure of the container may be slightly different from the atmospheric pressure at the user`s location. Open slowly and carefully to avoid dispersion of the material.

Health and safety information: All chemical reference materials should be considered potentially hazardous and should be used only by qualified laboratory personnel. Please refer to the Safety Data Sheet for detailed information about the nature of any hazard and appropriate precautions to be taken.

Accreditation: Sigma-Aldrich RTC is accredited by the US accreditation authority ANAB as a registered reference material producer AR-1470 in accordance with ISO 17034.

Certificate issue date: 12-Jul-2021

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

Andy Ommen - QC Manager

Mark Pooler - QA Supervisor

Details on metrological traceability: This standard has been gravimetrically prepared using balances that have been fully qualified and calibrated to ISO 17025 requirements. All calibrations utilize NIST traceable weights which are calibrated externally by a qualified ISO 17025 accredited calibration laboratory to NIST standards. Qualification of each balance includes the assignment of a minimum weighing by a qualified and ISO 17025 accredited calibration vendor taking into consideration the balance and installed environmental conditions to ensure compliance with USP tolerances of NMT 0.10% relative error. Fill volume to predetermined specifications is gravimetrically verified throughout the dispensing process using qualified and calibrated balances. Further traceability to a corresponding Primary Standard may be achieved through a direct comparison assay. Where a Primary Standard is available, the assay value will be included in the specified section of the COA.

Associated uncertainty: Ucrm - Uncertainty values in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a *t*-distribution and degrees of freedom. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical representation of the Ucrm calculation is as follows:

$$u_{CRM} = \sqrt{u_{char}^2 + u_{hom\ ogeneity}^2 + u_{stability}^2}$$

Homogeneity assessment: Homogeneity was assessed in accordance with ISO Guide 35. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared by Single Factor Analysis of Variance (ANOVA). The uncertainty due to homogeneity was derived from the ANOVA. Heterogeneity was not detected under the conditions of the ANOVA.

Stability assessment: Significance of the stability assessment will be demonstrated if the analytical result of the study and the range of values represented by the Expanded Uncertainty do not overlap the result of the original assay and the range of its values represented by the Expanded Uncertainty. The method employed will usually be the same method used to characterize the assay value in the initial

Certificate of analysis revision history:

Certificate version	Date	Reason for version
LRAD0139.01	12-Jul-2021	Original Release Date

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Certificate of Analysis

Produced by Phenova
6390 Joyce Drive STE 100, Golden, CO 80403 USA ■ Tel: 303-940-0033 ■ Fax: 303-940-0043 ■ info@phenova.com
Access your Safety Data Sheets and digital Certificates at **www.phenova.com/documents.**

Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101444
Description: 8270 Calibration Standard
Storage: -18 °C
Provided As: 1 mL in 2 mL Ampoule in MeCl2/Methanol (97:3)

Lot Number: CL18355
Certification Date: July 25, 2022
Expiration Date: August 31, 2023

K007995
SVOA-8270 LCS MIX 1000ug/ml
Solvent / Lot: N/A
Prep: 8/29/2022 by JZ
Exp: 8/31/2023
Location: FREEZER 44

Aaron Dukes, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Acenaphthene	83-32-9	1000	± 0.300%
Acenaphthylene	208-96-8	1000	± 0.225%
Anthracene	120-12-7	1000	± 6.858%
Azobenzene	103-33-3	1000	± 0.224%
Benzo(a)anthracene	56-55-3	1000	± 0.247%
Benzo(a)pyrene	50-32-8	1000	± 0.270%
Benzo(b)fluoranthene	205-99-2	1000	± 0.635%
Benzo(k)fluoranthene	207-08-9	1000	± 0.682%
Benzo(g,h,i)perylene	191-24-2	1000	± 0.272%
Benzyl alcohol	100-51-6	1000	± 0.231%
Benzyl butyl phthalate	85-68-7	1000	± 0.480%
bis(2-Chloroethoxy)methane	111-91-1	1000	± 0.479%
bis(2-Chloroethyl) ether	111-44-4	1000	± 0.479%
bis(2-Chloroisopropyl) ether	108-60-1	1000	± 0.550%
bis(2-Ethylhexyl) adipate	103-23-1	1000	± 0.479%
bis(2-Ethylhexyl) phthalate	117-81-7	1000	± 0.479%
4-Bromophenyl phenyl ether	101-55-3	1000	± 0.479%
Carbazole	86-74-8	1000	± 0.146%

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101444
Lot Number: CL18355
Description: 8270 Calibration Standard
Certification Date: July 25, 2022
Storage: -18 °C
Expiration Date: August 31, 2023
Provided As: 1 mL in 2 mL Ampoule in MeCl2/Methanol (97:3)

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
4-Chloroaniline	106-47-8	1000	± 0.300%
4-Chloro-3-methylphenol	59-50-7	1000	± 0.545%
2-Chloronaphthalene	91-58-7	1000	± 0.224%
2-Chlorophenol	95-57-8	1000	± 0.507%
4-Chlorophenyl phenyl ether	7005-72-3	1000	± 0.479%
Chrysene	218-01-9	1000	± 0.145%
Dibenz(a,h)anthracene	53-70-3	1000	± 1.058%
Dibenzofuran	132-64-9	1000	± 0.302%
Di-n-butyl phthalate	84-74-2	1000	± 0.518%
1,2-Dichlorobenzene	95-50-1	1000	± 0.247%
1,3-Dichlorobenzene	541-73-1	1000	± 0.225%
1,4-Dichlorobenzene	106-46-7	1000	± 0.224%
2,4-Dichlorophenol	120-83-2	1000	± 0.545%
Diethyl phthalate	84-66-2	1000	± 0.518%
2,4-Dimethylphenol	105-67-9	1000	± 0.507%
Dimethyl phthalate	131-11-3	1000	± 0.518%
1,2-Dinitrobenzene	528-29-0	1000	± 0.361%
1,3-Dinitrobenzene	99-65-0	1000	± 0.300%
1,4-Dinitrobenzene	100-25-4	1000	± 0.242%
2,4-Dinitrophenol	51-28-5	1000	± 0.545%
2,4-Dinitrotoluene	121-14-2	1000	± 1.128%

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101444
Lot Number: CL18355
Description: 8270 Calibration Standard
Certification Date: July 25, 2022
Storage: -18 °C
Expiration Date: August 31, 2023
Provided As: 1 mL in 2 mL Ampoule in MeCl2/Methanol (97:3)

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
2,6-Dinitrotoluene	606-20-2	1000	± 0.224%
Di-n-octyl phthalate	117-84-0	1000	± 0.486%
Fluoranthene	206-44-0	1000	± 0.224%
Fluorene	86-73-7	1000	± 0.224%
Hexachlorobenzene	118-74-1	1000	± 0.152%
Hexachlorobutadiene	87-68-3	1000	± 0.746%
Hexachlorocyclopentadiene	77-47-4	1000	± 0.153%
Hexachloroethane	67-72-1	1000	± 0.300%
Indeno(1,2,3-cd)pyrene	193-39-5	1000	± 0.883%
Isophorone	78-59-1	1000	± 0.145%
2-Methyl-4,6-dinitrophenol	534-52-1	1000	± 0.508%
1-Methylnaphthalene	90-12-0	1000	± 0.479%
2-Methylnaphthalene	91-57-6	1000	± 0.487%
2-Methylphenol	95-48-7	1000	± 0.545%
3-Methylphenol	108-39-4	500	± 0.279%
4-Methylphenol	106-44-5	500	± 0.399%
Naphthalene	91-20-3	1000	± 0.226%
2-Nitroaniline	88-74-4	1000	± 0.224%
3-Nitroaniline	99-09-2	1000	± 0.235%
4-Nitroaniline	100-01-6	1000	± 0.300%
Nitrobenzene	98-95-3	1000	± 0.300%

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101444
Lot Number: CL18355
Description: 8270 Calibration Standard
Certification Date: July 25, 2022
Storage: -18 °C
Expiration Date: August 31, 2023
Provided As: 1 mL in 2 mL Ampoule in MeCl2/Methanol (97:3)

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
2-Nitrophenol	88-75-5	1000	± 0.514%
4-Nitrophenol	100-02-7	1000	± 0.519%
N-Nitrosodimethylamine	62-75-9	1000	± 0.503%
N-Nitrosodiphenylamine	86-30-6	1000	± 0.476%
N-Nitrosodi-n-propylamine	621-64-7	1000	± 0.461%
Pentachlorophenol	87-86-5	1000	± 0.202%
Phenanthrene	85-01-8	1000	± 0.145%
Phenol	108-95-2	1000	± 0.545%
Pyrene	129-00-0	1000	± 0.147%
Pyridine	110-86-1	1000	± 0.503%
2,3,4,6-Tetrachlorophenol	58-90-2	1000	± 0.247%
2,3,5,6-Tetrachlorophenol	935-95-5	1000	± 0.247%
1,2,4-Trichlorobenzene	120-82-1	1000	± 0.224%
2,4,5-Trichlorophenol	95-95-4	1000	± 0.507%
2,4,6-Trichlorophenol	88-06-2	1000	± 0.509%

Notes: The proper chemical name for Bis(2-Chloroiospropyl) ether is 2,2'-oxybis(1-chloropropane). The analytical uncertainty contribution to the expanded uncertainty for 3 and 4-Methylphenol is measured as the total of the two analytes. N-Nitrosodiphenylamine presents as Diphenylamine at 854 µg/mL.

Produced by Phenova
6390 Joyce Drive STE 100, Golden, CO 80403 USA ■ Tel: 303-940-0033 ■ Fax: 303-940-0043 ■ info@phenova.com
Access your Safety Data Sheets and digital Certificates at **www.phenova.com/documents.**

1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO 17034[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in calibration, calibration verification, quantification, identification and other appropriate analytical control applications. The product is intended for routine laboratory analysis and research purposes only. Only trained personnel should handle this product.

4. Handling and Usage Notes: Store according to recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects, and additional transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm the opened product is fit for purpose under repeated use conditions.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

$$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

   Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31 – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35 – Reference Material – General and Statistical Principles for Certification.
[3] ISO 17034 – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

Certificate of Composition - Analytical Standard

BASE STOCK

Product no.: 22523051
Lot no.: LRAD2751
Expiry Date: June 2024
Manufacturing Date: June 2022
Storage: REFRIGERATE
Solvent/Matrix: DICHLOROMETHANE
Certificate version: LRAD2751.01 (*Note: Certificates may be updated due to the availability of new data. Check our website at: www.sigma-aldrich.com for the most current version.)*

Analyte	*Assigned Value*	*Units*	*Raw Material Purity,%*	*Raw Material Lot*
3,3'-DICHLOROBENZIDINE, 100MG, NEAT CAS# 91-94-1	799	µg/mL	99.8	LRAD2376
2,4-DINITROTOLUENE CAS# 121-14-2	801	µg/mL	97.8	LB46632
2,6-DINITROTOLUENE CAS# 606-20-2	800	µg/mL	99.2	11231AN
HEXACHLOROCYCLOPENTADIENE CAS# 77-47-4	800	µg/mL	96.0	LB95525
N-NITROSODIMETHYLAMINE CAS# 62-75-9	800	µg/mL	95.0	2019-030598 5
PERYLENE CAS# 198-55-0	200	µg/mL	99.6	04101PG
ANILINE CAS# 62-53-3	800	µg/mL	99.9	LA41596
4-CHLOROANILINE CAS# 106-47-8	800	µg/mL	100.0	MKBZ6909V
2-NITROANILINE CAS# 88-74-4	799	µg/mL	99.9	07411KN
3-NITROANILINE CAS# 99-09-2	800	µg/mL	99.9	LC09264
4-NITROANILINE CAS# 100-01-6	800	µg/mL	99.9	15609AA
PYRIDINE (LOW WATER) CAS# 110-86-1	800	µg/mL	100.0	SHBJ9218

Measurement method: Where applicable, the assigned value is based on a purity determination by mass balance and gravimetrically prepared value.

Intended use: Intended for R&D and Analytical Use only. Not for drug, household or other uses.

Packaging: 1 mL in amber ampule

Instructions for handling and correct use: Use on the as is basis. The internal pressure of the container may be slightly different from the atmospheric pressure at the user`s location. Open slowly and carefully to avoid dispersion of the material.

Sigma-Aldrich RTC, 2931 Soldier Springs Rd. Laramie, WY 82070, USA;
Tel. 1 307-742-5452; Fax 1 855-831-9211; www.sigmaaldrich.com
Sigma-Aldrich RTC is a subsidiary of Merck KGaA, Darmstadt, Germany.

Health and safety information: All chemical reference materials should be considered potentially hazardous and should be used only by qualified laboratory personnel. Please refer to the Safety Data Sheet for detailed information about the nature of any hazard and appropriate precautions to be taken.

Certificate issue date: 03 JUN 2022

Andy Ommen - QC Manager

Scott Stetler - QA Manager

Certificate of analysis revision history:

Certificate version	Date	Reason for version
LRAD2751.01	03 JUN 2022	Original Release Date

Disclaimer: The purchaser is required to determine the suitability of this product for any particular application. Sigma-Aldrich RTC makes no warranty of any kind, express or implied, other than its products meet all quality control standards set by Sigma-Aldrich RTC. We do not guarantee that the product can be used for any particular application.

Supelco®

www.sigmaaldrich.com

Certificate of Composition - Analytical Standard

ACID STOCK

Product no.: 22523046
Lot no.: LRAD2750
Expiry Date: June 2024
Manufacturing Date: June 2022
Storage: REFRIGERATE
Solvent/Matrix: DICHLOROMETHANE
Certificate version: LRAD2750.01 (*Note: Certificates may be updated due to the availability of new data. Check our website at: www.sigma-aldrich.com for the most current version.)*

Analyte	*Assigned Value*	*Units*	*Raw Material Purity,%*	*Raw Material Lot*
2,4-DIMETHYLPHENOL CAS# 105-67-9	800	µg/mL	99.9	LB88935
2,4-DICHLOROPHENOL CAS# 120-83-2	800	µg/mL	100.0	BCBZ6787
2,4,5-TRICHLOROPHENOL CAS# 95-95-4	801	µg/mL	99.9	JS00008
2,4-DINITROPHENOL CAS# 51-28-5	1799	µg/mL	66.9	STBJ5751
2,4,6-TRICHLOROPHENOL CAS# 88-06-2	800	µg/mL	98.7	LB82983
4-CHLORO-3-METHYLPHENOL CAS# 59-50-7	800	µg/mL	100.0	BCCD4461
4-NITROPHENOL CAS# 100-02-7	800	µg/mL	100.0	MKCN1089
2-METHYL-4,6-DINITROPHENOL CAS# 534-52-1	1800	µg/mL	100.0	BCBX5762
PENTACHLOROPHENOL CAS# 87-86-5	800	µg/mL	99.0	23614-01
BENZOIC ACID CAS# 65-85-0	1800	µg/mL	99.9	LC16514

Measurement method: Where applicable, the assigned value is based on a purity determination by mass balance and gravimetrically prepared value.

Intended use: Intended for R&D and Analytical Use only. Not for drug, household or other uses.

Packaging: 1 mL in amber ampule

Instructions for handling and correct use: Use on the as is basis. The internal pressure of the container may be slightly different from the atmospheric pressure at the user`s location. Open slowly and carefully to avoid dispersion of the material.

Health and safety information: All chemical reference materials should be considered potentially hazardous and should be used only by qualified laboratory personnel. Please refer to the Safety Data Sheet for detailed information about the nature of any hazard and appropriate precautions to be taken.

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Tel. 1 307-742-5452; Fax 1 855-831-9211; www.sigmaaldrich.com
Sigma-Aldrich RTC is a subsidiary of Merck KGaA, Darmstadt, Germany.

Certificate issue date: 03 JUN 2022

Andy Ommen - QC Manager

Scott Stetler - QA Manager

Certificate of analysis revision history:

Certificate version	Date	Reason for version
LRAD2750.01	03 JUN 2022	Original Release Date

Disclaimer: The purchaser is required to determine the suitability of this product for any particular application. Sigma-Aldrich RTC makes no warranty of any kind, express or implied, other than its products meet all quality control standards set by Sigma-Aldrich RTC. We do not guarantee that the product can be used for any particular application.

Certificate of Analysis

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101244
Description: Benzidines Standard
Storage: 4 °C
Provided As: 1 mL in 2 mL Ampoule in Methylene Chloride

Lot Number: CL18939
Certification Date: September 7, 2022
Expiration Date: August 31, 2032

Aaron Dukes, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Benzidine	92-87-5	2000	± 3.812%
3,3'-Dichlorobenzidine	91-94-1	2000	± 1.419%

L001288
Benzidines std @2000ug/ml
Solvent / Lot: CL18939
Prep: 2/7/2023 by VS
Exp: 8/31/2032
Location: GC

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Certicate No. 2427.02

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Certified Reference Material

This product is included in Phenova's ISO/IEC 17025 and ISO Guide 34 Scopes of Accreditation

Catalog No.:	AL0-101291	**Lot Number:**	CL11000
Description:	GC/MS Tuning Mix	**Certification Date:**	May 9, 2014
Storage:	4 °C	**Expiration Date:**	December 31, 2023
Provided As:	1 mL in 2 mL Ampoule in Methylene chloride	**Revision Date:**	August 5, 2015

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty (%)
Benzidine	92-87-5	1000	± 0.208%
Decafluorotriphenylphosphine (DFTPP)	5074-71-5	1000	± 0.057%
4,4'-DDT	50-29-3	1000	± 0.056%
Pentachlorophenol	87-86-5	1000	± 0.061%

LOT 1648

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Certified Reference Material

This product is included in Phenova's ISO/IEC 17025 and ISO Guide 34 Scopes of Accreditation

Catalog No.: AL0-101291
Description: GC/MS Tuning Mix
Storage: 4 °C
Provided As: 1 mL in 2 mL Ampoule in Methylene chloride

Lot Number: CL11000
Certification Date: May 9, 2014
Expiration Date: December 31, 2023
Revision Date: August 5, 2015

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty (%)
Benzidine	92-87-5	1000	± 0.208%
Decafluorotriphenylphosphine (DFTPP)	5074-71-5	1000	± 0.057%
4,4'-DDT	50-29-3	1000	± 0.056%
Pentachlorophenol	87-86-5	1000	± 0.061%

LOO1648

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Chemical Testing Laboratory
Certificate No. 2427.03

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1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO Guide 34[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in the calibration and calibration verification of chromatographic instrumentation performed in routine laboratory analysis.

4. Instruction: Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all certified analytes in the mixture.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Material Safety Data Sheet (MSDS) is available at www.phenomenex.com/mysupport.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC Guide 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

$$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO Guide 34. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC Guide 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC Guide 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO Guide 34.

12. Period of Validity: The Certified Values and their uncertainties are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31:2000(E) – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35:2006(E) – Reference Material – General and Statistical Principles for Certification.
[3] ISO Guide 34:2009(E) – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC Guide 17025:2005(E) – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

ACCREDITED
Reference Material Producer
Certificate No. 2427.02

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Certificate No. 2427.03

IL.11170613_us

ISO 17034

Agilent
Trusted Answers

Reference Material Certificate

Product Name: PAH Standard

Product Number: US-106N-1

Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006666382

Lot Issue Date: 22-Apr-2022

Expiration Date: 31-May-2025

L007064

Component Name	CERTIFIED VALUES Concentration		Expanded Uncertainty	CAS#	Analyte Lot
acenaphthene	2002	±	10 µg/mL	000083-32-9	RM10879
acenaphthylene	2003	±	10 µg/mL	000208-96-8	RM10891
anthracene	2002	±	10 µg/mL	000120-12-7	RM14212
benz[a]anthracene	2003	±	10 µg/mL	000056-55-3	RM19299
benzo[b]fluoranthene	2004	±	10 µg/mL	000205-99-2	RM19754
benzo[k]fluoranthene	2010	±	10 µg/mL	000207-08-9	RM19818
benzo[ghi]perylene	2004	±	10 µg/mL	000191-24-2	RM19159
benzo[a]pyrene	1993	±	10 µg/mL	000050-32-8	RM17573
chrysene	2000	±	10 µg/mL	000218-01-9	RM18695
dibenz[a,h]anthracene	2008	±	10 µg/mL	000053-70-3	RM06786
fluoranthene	2007	±	10 µg/mL	000206-44-0	RM12277
fluorene	2003	±	10 µg/mL	000086-73-7	RM13733
indeno[1,2,3-cd]pyrene	2001	±	10 µg/mL	000193-39-5	RM19421
naphthalene	2002	±	10 µg/mL	000091-20-3	RM10445
phenanthrene	2008	±	10 µg/mL	000085-01-8	RM10495
pyrene	2001	±	10 µg/mL	000129-00-0	RM16126

Matrix: methylene chloride/benzene (1:1)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Toxic Substances Standard

Product Number: US-104N-1

Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006698499

Lot Issue Date: 10-Aug-2022

Expiration Date: 30-Sep-2025

Component Name	CERTIFIED VALUES Concentration	Expanded Uncertainty	CAS#	Analyte Lot
aniline	2006 ±	10 µg/mL	000062-53-3	RM16773
benzyl alcohol	2004 ±	10 µg/mL	000100-51-6	RM16537
4-chloroaniline	2005 ±	10 µg/mL	000106-47-8	RM01886
dibenzofuran	2008 ±	10 µg/mL	000132-64-9	RM02077
2-methylnaphthalene	2009 ±	10 µg/mL	000091-57-6	RM01258
2-nitroaniline	2007 ±	10 µg/mL	000088-74-4	RM02402
3-nitroaniline	2008 ±	10 µg/mL	000099-09-2	RM00427
4-nitroaniline	2004 ±	10 µg/mL	000100-01-6	RM02425

L007065

Matrix: methylene chloride (dichloromethane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

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Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

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No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

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ISO 17025

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101444
Description: 8270 Calibration Standard
Storage: -18 °C
Provided As: 1 mL in 2 mL Ampoule in MeCl2/Methanol (97:3

Lot Number: CL19475
Certification Date: January 10, 2023
Expiration Date: March 31, 2024

Aaron Dukes, Certified Reference Materials Manager

L008214
SVOA-8270 LCS MIX 1000ug/ml
Solvent / Lot: N/A
Prep: 7/26/2023 by JZ
Exp: 3/31/2024
Location: FREEZER 44

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Acenaphthene	83-32-9	1000	± 0.752%
Acenaphthylene	208-96-8	1000	± 0.725%
Anthracene	120-12-7	1000	± 0.725%
Azobenzene	103-33-3	1000	± 0.725%
Benzo(a)anthracene	56-55-3	1000	± 0.259%
Benzo(a)pyrene	50-32-8	1000	± 0.281%
Benzo(b)fluoranthene	205-99-2	1000	± 0.164%
Benzo(k)fluoranthene	207-08-9	1000	± 0.166%
Benzo(g,h,i)perylene	191-24-2	1000	± 1.169%
Benzyl alcohol	100-51-6	1000	± 0.727%
Benzyl butyl phthalate	85-68-7	1000	± 0.393%
bis(2-Chloroethoxy)methane	111-91-1	1000	± 0.392%
bis(2-Chloroethyl) ether	111-44-4	1000	± 0.439%
bis(2-Chloroisopropyl) ether	108-60-1	1000	± 0.167%
bis(2-Ethylhexyl) adipate	103-23-1	1000	± 4.027%
bis(2-Ethylhexyl) phthalate	117-81-7	1000	± 0.395%
4-Bromophenyl phenyl ether	101-55-3	1000	± 0.391%
Carbazole	86-74-8	1000	± 0.259%

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101444
Lot Number: CL19475
Description: 8270 Calibration Standard
Certification Date: January 10, 2023
Storage: -18 °C
Expiration Date: March 31, 2024
Provided As: 1 mL in 2 mL Ampoule in MeCl2/Methanol (97:3)

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
2,6-Dinitrotoluene	606-20-2	1000	± 0.750%
Di-n-octyl phthalate	117-84-0	1000	± 0.400%
Fluoranthene	206-44-0	1000	± 0.714%
Fluorene	86-73-7	1000	± 3.417%
Hexachlorobenzene	118-74-1	1000	± 0.526%
Hexachlorobutadiene	87-68-3	1000	± 0.969%
Hexachlorocyclopentadiene	77-47-4	1000	± 0.172%
Hexachloroethane	67-72-1	1000	± 2.107%
Indeno(1,2,3-cd)pyrene	193-39-5	1000	± 3.554%
Isophorone	78-59-1	1000	± 0.164%
2-Methyl-4,6-dinitrophenol	534-52-1	1000	± 0.483%
1-Methylnaphthalene	90-12-0	1000	± 0.392%
2-Methylnaphthalene	91-57-6	1000	± 0.401%
2-Methylphenol	95-48-7	1000	± 0.451%
3-Methylphenol	108-39-4	500	± 0.622%
4-Methylphenol	106-44-5	500	± 0.684%
Naphthalene	91-20-3	1000	± 0.726%
2-Nitroaniline	88-74-4	1000	± 0.721%
3-Nitroaniline	99-09-2	1000	± 0.749%
4-Nitroaniline	100-01-6	1000	± 0.748%
Nitrobenzene	98-95-3	1000	± 0.752%

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1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO 17034[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in calibration, calibration verification, quantification, identification and other appropriate analytical control applications. The product is intended for routine laboratory analysis and research purposes only. Only trained personnel should handle this product.

4. Handling and Usage Notes: Store according to recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects, and additional transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm the opened product is fit for purpose under repeated use conditions.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

$$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31 – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35 – Reference Material – General and Statistical Principles for Certification.
[3] ISO 17034 – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

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Packing List

Date	Order #
07/24/2023	310522

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Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

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www.phenova.com/home/termsofsale

Ship To

Analytical Resources Inc.
ATTN:
4611 South 134th
Tukwila, WA 981683240
USA

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
300121JR	Net 30	WMQ4684	1502697	FedEx Priority	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
6	6	0	AL0-101444	8270 Calibration Standard 1000 µg/mL MeCL2/MeOH		CL19475

Hazardous Communication Guide

Match the icons on your ampoule tag to this key.

Danger: May Cause Drowsiness or Dizziness.
Store in a well-ventilated place. Keep cool.

Danger: Harmful or Toxic to Aquatic Life with Long-Lasting Effects.
Avoid release to the environment.

Danger: Highly or Extremely Flammable Liquid and Vapor.
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Keep container tightly closed.

Danger: Causes Serious Eye and Skin Irritation.
Wear protective gloves/protective clothing/eye protection/face protection.
If in contact, wash with plenty of soap or water where appropriate.

Danger: Causes Damage to Organs. May Cause Cancer.
Do not eat, drink, or smoke when using this product. Use only in a well-ventilated area.

Danger: Fatal or Toxic if Swallowed, Inhaled, or in Contact with Skin.
Suspected of damaging fertility or the unborn child. IF EXPOSED: Immediately call a POISON CENTER or doctor/physician. Do not breathe dust/fume/gas/mist/vapors/spray.

Warning: Suspected of Causing Cancer.
Wear protective gloves/protective clothing/eye protection/face protection.
If in contact, wash with plenty of soap or water where appropriate.

Material Safety Data Sheet available for all products
Please call us at **866-942-2978** or
Email us at **info@phenova.com**.

FL32630515_us

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These products are manufactured by Phenova, Inc., a Phenomenex Company, which is accredited to

ISO Guide 34 | ISO/IEC 17025 | ISO/IEC 17043 | TNI EL-V3-2009

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Phenova Quality
ISO Guide 34 •
ISO/IEC 17025 •
ISO/IEC 17043 •
TNI EL-V3-2009 •

Important Documents and Information for Order 310522

Thank you for choosing Phenova! Please check your items for any damage that may have occurred during transit. If you need replacement standards for damaged items or have any questions, we are here to assist! Please call us at +1-303-940-0033 or email us at info@phenova.com.

Sincerely,

The Phenova Team

6390 Joyce Drive, Suite 100
Golden, CO 80403 USA

Tel: 1-303-940-0033
Fax: 1-303-940-0043

Email: info@phenova.com
www.phenova.com

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101443
Description: Aniline
Storage: 4 °C
Provided As: 1 mL in 2 mL Ampoule in Methylene Chloride

Lot Number: CL18741
Certification Date: July 21, 2022
Expiration Date: July 31, 2030

Aaron Dukes, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aniline	62-53-3	1000	± 1.719%

L008217
Aniline-1000ug/mL
Solvent / Lot: N/A
Prep: 7/26/2023 by JZ
Exp: 7/31/2030
Location: GC

ACCREDITED
Reference Material Producer
Certicate No. 2427.02

Phenova is an accredited ISO/IEC 17034 Reference Material Producer and ISO/IEC 17025 accredited Chemical Testing Laboratory.

ACCREDITED
Chemical Testing Laboratory
Certicate No. 2427.03