284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

DATA PACKAGE

SEMI-VOLATILE ORGANICS

PROJECT NAME : AE1-CTY 3.2.Z-PR-DOCK-DES-ODC - 60693795-1719206

AECOM

605 3rd Avenue

29th Floor

New York, NY - 10158

Phone No: 212-973-2900

ORDER ID : Q3363

ATTENTION : Rob Forstner

Laboratory Certification ID # 20012

Alliance TECHNICAL GROUP

Table Of Contents for Q3363

1) SEMI-VOLATILE DATA 2

2) Signature Page 4

3) Case Narrative 5

4) Qualifier Page 7

5) Conformance/Non Conformance 8

6) QA Checklist 10

7) Chronicle 11

8) Hit Summary 12

9) QC Data Summary For SVOC-TCL BNA -20 15

- 9.1) Deuterated Monitoring Compound Summary 16
- 9.2) MS/MSD Summary 18
- 9.3) LCS/LCSD Summary 22
- 9.4) Method Blank Summary 24
- 9.5) GS/MS Tune Summary 25
- 9.6) Internal Standard Area and RT Summary 29

10) Sample Data 33

- 10.1) PR132-SO1-085011-20251015 34
- 10.2) PR132-SO1-039085-20251015 60
- 10.3) PR132-SO3-028010-20251015 86
- 10.4) PR132-SO3-010013-20251015 105
- 10.5) COMP01-20251015 132

11) Calibration Data Summary 153

- 11.1) Initial Calibration Data 154
  - 11.1.1) BF100625 154
  - 11.1.2) BG100225 558
- 11.2) Continued Calibration Data 961
  - 11.2.1) BF143984.D 961
  - 11.2.2) BG064531.D 1018

12) QC Sample Data 1075

- 12.1) Tune Raw Data 1076
- 12.2) Method Blank Data 1092
- 12.3) LCS Data 1107
- 12.4) MS Data 1159
- 12.5) MSD Data 1211

13) Manual Integration 1263

Table Of Contents for Q3363

14) Analytical Runlogs 1268

15) Percent Solid 1276

16) Extraction Logs 1280

16.1) PB170144.pdf 1280

16.2) PB170144IC.pdf 1282

17) Standard Prep Logs 1283

18) Shipping Document 1349

18.1) Chain Of Custody 1350

18.2) Lab Certificate 1351

18.3) Internal COC 1352

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Cover Page

Order ID : Q3363

Project ID : AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Client : AECOM

Lab Sample Number	Client Sample Number
Q3363-01	PR132-SO1-085011-20251015
Q3363-02	PR132-SO1-039085-20251015
Q3363-03	PR132-SO3-028010-20251015
Q3363-04	PR132-SO3-010013-20251015
Q3363-05	COMP01-20251015

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:25 am, Oct 30, 2025

Date: 10/27/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

284 Sheffield Street, Mountainside, NJ 07092
Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

AECOM
Project Name: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Project # N/A
Order ID # Q3363
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 10/15/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The samples were analyzed on instrument BNA_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.

The MSD {Q3363-05MSD} with File ID: BG064540.D recoveries met the requirements for all compounds except for Acenaphthylene[127%], Carbazole[120%] and N-Nitrosodiphenylamine[120%], Recovery failed due to matrix interference.

The RPD for {Q3363-05MSD} with File ID: BG064540.D met criteria except for 1,4-Dioxane[25%], 2,2-oxybis(1-Chloropropane)[22%], 2,4-Dichlorophenol[21%], 2,4-Dimethylphenol[26%], 2-Chlorophenol[23%], 2-Methylphenol[23%], 3+4-Methylphenols[26%], 4-Chloro-3-methylphenol[23%], Acetophenone[21%], Atrazine[21%], Benzaldehyde[28%], Benzo(a)anthracene[26%], Benzo(a)pyrene[21%], Benzo(g,h,i)perylene[21%], Benzo(k)fluoranthene[23%], bis(2-Chloroethyl)ether[21%], bis(2-Ethylhexyl)phthalate[21%], Caprolactam[29%], Chrysene[22%], Dibenz(a,h)anthracene[21%], Hexachloroethane[23%], Isophorone[21%], Nitrobenzene[23%], N-Nitroso-di-n-propylamine[25%], N-Nitrosodiphenylamine[21%] and Pyrene[24%], RPD failed due to difference between MS and MSD results.

284 Sheffield Street, Mountainside, NJ 07092
Phone: 908 789 8900 Fax: 908 789 8922

The Blank Spike met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration (Method 8270-BF100625.M) for 2,4-Dinitrophenol this Compounds is passing on Linear regression.

The Continuous Calibration File ID BF143984.D met the requirements except for Di-n-octyl phthalate,Associated sample does not have hit for this compound, Therefor no further corrective action was taken.

The Continuous Calibration File ID BG064531.D met the requirements except for Hexachlorocyclopentadiene , Associated sample does not have hit for this compound, Therefor no further corrective action was taken.

The Tuning criteria met requirements.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_ ***APPROVED***
By Nimisha Pandya, QA/QC Supervisor at 9:26 am, Oct 30, 2025

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3363 MATRIX: Solid

METHOD: 8270E/3541

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.		✓	
	The %RSD is greater than 20% in the Initial Calibration (Method 8270-BF100625.M) for 2,4-Dinitrophenol this Compounds is passing on Linear regression.			
	The Continuous Calibration File ID BF143984.D met the requirements except for Di-n-octyl phthalate, Associated sample does not have hit for this compound, Therefor no further corrective action was taken.			
	The Continuous Calibration File ID BG064531.D met the requirements except for Hexachlorocyclopentadiene , Associated sample does not have hit for this compound, Therefor no further corrective action was taken.			
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	

If not met, list those compounds and their recoveries which fall outside the acceptable range.

The MSD {Q3363-05MSD} with File ID: BG064540.D recoveries met the requirements for all compounds except for Acenaphthylene[127%], Carbazole[120%] and N-Nitrosodiphenylamine[120%], Recovery failed due to matrix interference.

The Blank Spike met requirements for all compounds.

The RPD for {Q3363-05MSD} with File ID: BG064540.D met criteria except for 1,4-Dioxane[25%], 2,2-oxybis(1-Chloropropane)[22%], 2,4-Dichlorophenol[21%], 2,4-Dimethylphenol[26%], 2-Chlorophenol[23%], 2-Methylphenol[23%], 3+4-Methylphenols[26%], 4-Chloro-3-methylphenol[23%], Acetophenone[21%], Atrazine[21%], Benzaldehyde[28%], Benzo(a)anthracene[26%], Benzo(a)pyrene[21%], Benzo(g,h,i)perylene[21%], Benzo(k)fluoranthene[23%], bis(2-Chloroethyl)ether[21%], bis(2-Ethylhexyl)phthalate[21%], Caprolactam[29%], Chrysene[22%], Dibenz(a,h)anthracene[21%], Hexachloroethane[23%], Isophorone[21%], Nitrobenzene[23%], N-Nitroso-di-n-propylamine[25%], N-Nitrosodiphenylamine[21%] and Pyrene[24%], RPD failed due to diffrance between MS and MSD results.

9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓

Comments:

10.	Extraction Holding Time Met			✓

If not met, list number of days exceeded for each sample:

11.	Analysis Holding Time Met			✓

If not met, list number of days exceeded for each sample:

ADDITIONAL COMMENTS:

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The soil samples results are based on a dry weight basis.

QA REVIEW

REVIEWED
By Sohil Jodhani, QA/QC Director at 2:22 pm, Oct 29, 2025

Date

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3363

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 10/27/2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

OrderID:	Q3363	**OrderDate:**	10/16/2025 10:56:42 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3363-01	**PR132-SO1-085011-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			SVOC-TCL BNA -20	8270E		10/17/25	10/17/25	
Q3363-02	**PR132-SO1-039085-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			SVOC-TCL BNA -20	8270E		10/17/25	10/17/25	
Q3363-03	**PR132-SO3-028010-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			SVOC-TCL BNA -20	8270E		10/17/25	10/17/25	
Q3363-04	**PR132-SO3-010013-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			SVOC-TCL BNA -20	8270E		10/17/25	10/17/25	
Q3363-05	**COMP01-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			SVOC-TCL BNA -20	8270E		10/17/25	10/17/25	

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q3363

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**PR132-SO1-085011-20251015**								
Q3363-01	PR132-SO1-085011-2025	SOIL	Phenanthrene		220.000	J	41.6	340	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Fluoranthene		370.000		59.8	340	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Pyrene		340.000		71.7	340	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Benzo(a)anthracene		250.000	J	45.8	340	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Chrysene		260.000	J	39.6	340	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Benzo(b)fluoranthene		260.000	J	37.8	340	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Benzo(a)pyrene		270.000	J	58.8	340	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Benzo(g,h,i)perylene		170.000	J	51.2	340	ug/Kg
			Total Svoc :		**2,140.00**				
Q3363-01	PR132-SO1-085011-2025	SOIL	10,18-Bisnorabieta-5,7,9(10),11,1	*	820.000	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	2-Isopropyl-10-methylphenanthre	*	390.000	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	4b,8-Dimethyl-2-isopropylphenan	*	230.000	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Benzophenone	*	420.000	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Tridecane	*	460.000	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	n-Hexadecanoic acid	*	530.000	J	0	0	ug/Kg
			Total Tics :		**2,850.00**				
			Total Concentration:		**4,990.00**				
Client ID :	**PR132-SO1-039085-20251015**								
Q3363-02	PR132-SO1-039085-2025	SOIL	Acenaphthene		150.000	J	37.5	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Fluorene		180.000	J	44.6	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Phenanthrene		390.000		36.8	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Anthracene		250.000	J	58.7	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Fluoranthene		410.000		52.8	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Pyrene		350.000		63.4	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Benzo(a)anthracene		170.000	J	40.5	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Chrysene		210.000	J	35.1	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Bis(2-ethylhexyl)phthalate		450.000		100	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Benzo(b)fluoranthene		220.000	J	33.5	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Benzo(a)pyrene		180.000	J	52	300	ug/Kg
			Total Svoc :		**2,960.00**				
Q3363-02	PR132-SO1-039085-2025	SOIL	2,6,10-Trimethyltridecane	*	380.000	J	0	0	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Benzophenone	*	510.000	J	0	0	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Decahydro-1,1,4a,5,6-pentamethy	*	270.000	J	0	0	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Decane, 2-methyl-	*	880.000	J	0	0	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Phenanthrene, 2,4,5,7-tetramethyl	*	240.000	J	0	0	ug/Kg
			Total Tics :		**2,280.00**				

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q3363

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Concentration:		**5,240.00**				
Client ID :	**PR132-SO3-028010-20251015**								
Q3363-03	PR132-SO3-028010-2025	SOIL	Fluoranthene		160.000	J	54.7	310	ug/Kg
Q3363-03	PR132-SO3-028010-2025	SOIL	Pyrene		130.000	J	65.6	310	ug/Kg
Q3363-03	PR132-SO3-028010-2025	SOIL	Bis(2-ethylhexyl)phthalate		180.000	J	110	310	ug/Kg
			Total Svoc :		**470.00**				
Q3363-03	PR132-SO3-028010-2025	SOIL	Benzophenone	*	380.000	J	0	0	ug/Kg
Q3363-03	PR132-SO3-028010-2025	SOIL	Ethanol, 2-(tetradecyloxy)-	*	260.000	J	0	0	ug/Kg
			Total Tics :		**640.00**				
			Total Concentration:		**1,110.00**				
Client ID :	**PR132-SO3-010013-20251015**								
Q3363-04	PR132-SO3-010013-2025	SOIL	Phenanthrene		290.000	J	40.5	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Anthracene		130.000	J	64.6	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Fluoranthene		370.000		58.2	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Pyrene		350.000		69.8	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Benzo(a)anthracene		340.000		44.6	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Chrysene		300.000	J	38.6	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Benzo(b)fluoranthene		310.000	J	36.8	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Benzo(a)pyrene		330.000		57.2	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Indeno(1,2,3-cd)pyrene		140.000	J	56.4	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Benzo(g,h,i)perylene		170.000	J	49.8	330	ug/Kg
			Total Svoc :		**2,730.00**				
Q3363-04	PR132-SO3-010013-2025	SOIL	4b,8-Dimethyl-2-isopropylphenan	*	190.000	J	0	0	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Retene	*	2,100.000	J	0	0	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Benzophenone	*	310.000	J	0	0	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Dodecane, 2,6,10-trimethyl-	*	500.000	J	0	0	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Heptacosane	*	490.000	J	0	0	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Heptadecane, 2,6,10,15-tetrameth	*	750.000	J	0	0	ug/Kg
			Total Tics :		**4,340.00**				
			Total Concentration:		**7,070.00**				
Client ID :	**COMP01-20251015**								
Q3363-05	COMP01-20251015	SOIL	Fluoranthene		230.000	J	54	310	ug/Kg
Q3363-05	COMP01-20251015	SOIL	Pyrene		220.000	J	64.8	310	ug/Kg
Q3363-05	COMP01-20251015	SOIL	Benzo(a)anthracene		160.000	J	41.4	310	ug/Kg
Q3363-05	COMP01-20251015	SOIL	Chrysene		150.000	J	35.8	310	ug/Kg
Q3363-05	COMP01-20251015	SOIL	Benzo(b)fluoranthene		200.000	J	34.2	310	ug/Kg
Q3363-05	COMP01-20251015	SOIL	Benzo(a)pyrene		220.000	J	53.1	310	ug/Kg
Q3363-05	COMP01-20251015	SOIL	Benzo(g,h,i)perylene		170.000	J	46.3	310	ug/Kg
			Total Svoc :		**1,350.00**				

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q3363

Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3363-05	COMP01-20251015	SOIL	Benzophenone	* 430.000	J	0	0	ug/Kg
Q3363-05	COMP01-20251015	SOIL	n-Hexadecanoic acid	* 340.000	J	0	0	ug/Kg
			Total Tics :	**770.00**				
			Total Concentration:	**2,120.00**				

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: Q3363

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170144BL	PB170144BL	2-Fluorophenol	150	158	106		18	112
		Phenol-d6	150	146	97		15	107
		Nitrobenzene-d5	100	93.6	94		18	107
		2-Fluorobiphenyl	100	95.0	95		20	109
		2,4,6-Tribromophenol	150	147	98		10	116
		Terphenyl-d14	100	101	101		10	105
PB170144BS	PB170144BS	2-Fluorophenol	150	142	94		18	112
		Phenol-d6	150	141	94		15	107
		Nitrobenzene-d5	100	84.2	84		18	107
		2-Fluorobiphenyl	100	83.3	83		20	109
		2,4,6-Tribromophenol	150	133	89		10	116
		Terphenyl-d14	100	85.2	85		10	105
Q3363-01	PR132-SO1-085011-20251015	2-Fluorophenol	150	62.3	42		18	112
		Phenol-d6	150	55.4	37		15	107
		Nitrobenzene-d5	100	36.7	37		18	107
		2-Fluorobiphenyl	100	33.2	33		20	109
		2,4,6-Tribromophenol	150	63.7	42		10	116
		Terphenyl-d14	100	32.4	32		10	105
Q3363-02	PR132-SO1-039085-20251015	2-Fluorophenol	150	92.7	62		18	112
		Phenol-d6	150	85.0	57		15	107
		Nitrobenzene-d5	100	54.5	54		18	107
		2-Fluorobiphenyl	100	53.8	54		20	109
		2,4,6-Tribromophenol	150	92.0	61		10	116
		Terphenyl-d14	100	51.9	52		10	105
Q3363-03	PR132-SO3-028010-20251015	2-Fluorophenol	150	79.7	53		18	112
		Phenol-d6	150	78.7	52		15	107
		Nitrobenzene-d5	100	48.3	48		18	107
		2-Fluorobiphenyl	100	43.4	43		20	109
		2,4,6-Tribromophenol	150	58.4	39		10	116
		Terphenyl-d14	100	38.1	38		10	105
Q3363-04	PR132-SO3-010013-20251015	2-Fluorophenol	150	65.3	44		18	112
		Phenol-d6	150	64.9	43		15	107
		Nitrobenzene-d5	100	39.3	39		18	107
		2-Fluorobiphenyl	100	35.0	35		20	109
		2,4,6-Tribromophenol	150	44.4	30		10	116
		Terphenyl-d14	100	27.5	27		10	105
Q3363-05	COMP01-20251015	2-Fluorophenol	150	87.5	58		18	112
		Phenol-d6	150	82.3	55		15	107
		Nitrobenzene-d5	100	55.2	55		18	107
		2-Fluorobiphenyl	100	48.0	48		20	109
		2,4,6-Tribromophenol	150	92.3	62		10	116
		Terphenyl-d14	100	48.2	48		10	105
Q3363-05MS	COMP01-20251015MS	2-Fluorophenol	150	80.7	54		18	112
		Phenol-d6	150	76.7	51		15	107
		Nitrobenzene-d5	100	50.5	50		18	107
		2-Fluorobiphenyl	100	42.2	42		20	109
		2,4,6-Tribromophenol	150	80.7	54		10	116
		Terphenyl-d14	100	42.8	43		10	105
Q3363-05MSD	COMP01-20251015MSD	2-Fluorophenol	150	100	67		18	112
		Phenol-d6	150	95.3	64		15	107
		Nitrobenzene-d5	100	59.1	59		18	107

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: Q3363

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3363-05MSD	COMP01-20251015MSD	2-Fluorobiphenyl	100	48.8	49		20	109
		2,4,6-Tribromophenol	150	93.5	62		10	116
		Terphenyl-d14	100	52.2	52		10	105

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064539.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3363-05MS		**Client Sample ID: COMP01-20251015MS**									
Benzaldehyde	3000	0	1200	ug/Kg	40				10	171	
Phenol	3000	0	2800	ug/Kg	93				51	122	
bis(2-Chloroethyl)ether	3000	0	2600	ug/Kg	87				54	125	
2-Chlorophenol	3000	0	2800	ug/Kg	93				51	121	
2-Methylphenol	3000	0	2800	ug/Kg	93				47	125	
2,2-oxybis(1-Chloropropane)	3000	0	2400	ug/Kg	80				46	119	
Acetophenone	3000	0	3100	ug/Kg	103				55	128	
3+4-Methylphenols	3000	0	2600	ug/Kg	87				49	125	
N-Nitroso-di-n-propylamine	3000	0	2500	ug/Kg	83				59	119	
Hexachloroethane	3000	0	2700	ug/Kg	90				51	116	
Nitrobenzene	3000	0	2700	ug/Kg	90				47	124	
Isophorone	3000	0	2600	ug/Kg	87				49	127	
2-Nitrophenol	3000	0	2800	ug/Kg	93				43	131	
2,4-Dimethylphenol	3000	0	3000	ug/Kg	100				63	151	
bis(2-Chloroethoxy)methane	3000	0	2700	ug/Kg	90				51	119	
2,4-Dichlorophenol	3000	0	2900	ug/Kg	97				50	122	
Naphthalene	3000	0	2900	ug/Kg	97				51	121	
4-Chloroaniline	3000	0	1200	ug/Kg	40				10	100	
Hexachlorobutadiene	3000	0	3000	ug/Kg	100				44	126	
Caprolactam	3000	0	2400	ug/Kg	80				51	134	
4-Chloro-3-methylphenol	3000	0	2800	ug/Kg	93				57	132	
2-Methylnaphthalene	3000	0	2500	ug/Kg	83				59	123	
Hexachlorocyclopentadiene	6000	0	7700	ug/Kg	128				10	175	
2,4,6-Trichlorophenol	3000	0	2900	ug/Kg	97				33	141	
2,4,5-Trichlorophenol	3000	0	2900	ug/Kg	97				38	135	
1,1-Biphenyl	3000	0	3100	ug/Kg	103				55	131	
2-Chloronaphthalene	3000	0	2800	ug/Kg	93				48	124	
2-Nitroaniline	3000	0	2700	ug/Kg	90				47	134	
Dimethylphthalate	3000	0	2600	ug/Kg	87				54	120	
Acenaphthylene	3000	0	3200	ug/Kg	107				57	125	
2,6-Dinitrotoluene	3000	0	2800	ug/Kg	93				48	127	
3-Nitroaniline	3000	0	1900	ug/Kg	63				10	112	
Acenaphthene	3000	0	2700	ug/Kg	90				70	121	
2,4-Dinitrophenol	6000	0	4900	ug/Kg	82				10	155	
4-Nitrophenol	6000	0	5700	ug/Kg	95				10	175	
Dibenzofuran	3000	0	2700	ug/Kg	90				52	114	
2,4-Dinitrotoluene	3000	0	2800	ug/Kg	93				41	140	
Diethylphthalate	3000	0	2600	ug/Kg	87				51	119	
4-Chlorophenyl-phenylether	3000	0	2700	ug/Kg	90				48	122	
Fluorene	3000	0	2800	ug/Kg	93				53	118	
4-Nitroaniline	3000	0	2800	ug/Kg	93				29	140	
4,6-Dinitro-2-methylphenol	3000	0	2900	ug/Kg	97				10	160	
N-Nitrosodiphenylamine	3000	0	2900	ug/Kg	97				73	118	
4-Bromophenyl-phenylether	3000	0	2900	ug/Kg	97				65	121	
Hexachlorobenzene	3000	0	2900	ug/Kg	97				67	118	
Atrazine	3000	0	3000	ug/Kg	100				45	175	

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064539.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	6000	0	6300	ug/Kg	105				13	153	
Phenanthrene	3000	0	2900	ug/Kg	97				52	128	
Anthracene	3000	0	2900	ug/Kg	97				62	124	
Carbazole	3000	0	3000	ug/Kg	100				59	119	
Di-n-butylphthalate	3000	0	2900	ug/Kg	97				55	125	
Fluoranthene	3000	230	3100	ug/Kg	96				44	125	
Pyrene	3000	220	2700	ug/Kg	83				37	122	
Butylbenzylphthalate	3000	0	2800	ug/Kg	93				44	135	
3,3-Dichlorobenzidine	3000	0	1400	ug/Kg	47				15	112	
Benzo(a)anthracene	3000	160	2900	ug/Kg	91				53	119	
Chrysene	3000	150	2900	ug/Kg	92				57	121	
bis(2-Ethylhexyl)phthalate	3000	0	2900	ug/Kg	97				42	169	
Di-n-octyl phthalate	3000	0	2900	ug/Kg	97				51	156	
Benzo(b)fluoranthene	3000	200	3000	ug/Kg	93				52	117	
Benzo(k)fluoranthene	3000	0	2800	ug/Kg	93				57	134	
Benzo(a)pyrene	3000	220	3100	ug/Kg	96				70	142	
Indeno(1,2,3-cd)pyrene	3000	0	3000	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	3000	0	2900	ug/Kg	97				43	123	
Benzo(g,h,i)perylene	3000	170	3100	ug/Kg	98				24	125	
1,2,4,5-Tetrachlorobenzene	3000	0	3200	ug/Kg	107				52	134	
1,4-Dioxane	3000	0	2100	ug/Kg	70				46	112	
2,3,4,6-Tetrachlorophenol	3000	0	2900	ug/Kg	97				24	146	

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064540.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3363-05MSD		**Client Sample ID: COMP01-20251015MSD**									
Benzaldehyde	3000	0	1600	ug/Kg	53		28	*	10	171	20
Phenol	3000	0	3400	ug/Kg	113		19		51	122	20
bis(2-Chloroethyl)ether	3000	0	3200	ug/Kg	107		21	*	54	125	20
2-Chlorophenol	3000	0	3500	ug/Kg	117		23	*	51	121	20
2-Methylphenol	3000	0	3500	ug/Kg	117		23	*	47	125	20
2,2-oxybis(1-Chloropropane)	3000	0	3000	ug/Kg	100		22	*	46	119	20
Acetophenone	3000	0	3800	ug/Kg	127		21	*	55	128	20
3+4-Methylphenols	3000	0	3400	ug/Kg	113		26	*	49	125	20
N-Nitroso-di-n-propylamine	3000	0	3200	ug/Kg	107		25	*	59	119	20
Hexachloroethane	3000	0	3400	ug/Kg	113		23	*	51	116	20
Nitrobenzene	3000	0	3400	ug/Kg	113		23	*	47	124	20
Isophorone	3000	0	3200	ug/Kg	107		21	*	49	127	20
2-Nitrophenol	3000	0	3400	ug/Kg	113		19		43	131	20
2,4-Dimethylphenol	3000	0	3900	ug/Kg	130		26	*	63	151	20
bis(2-Chloroethoxy)methane	3000	0	3300	ug/Kg	110		20		51	119	20
2,4-Dichlorophenol	3000	0	3600	ug/Kg	120		21	*	50	122	20
Naphthalene	3000	0	3500	ug/Kg	117		19		51	121	20
4-Chloroaniline	3000	0	1300	ug/Kg	43		7		10	100	20
Hexachlorobutadiene	3000	0	3600	ug/Kg	120		18		44	126	20
Caprolactam	3000	0	3200	ug/Kg	107		29	*	51	134	20
4-Chloro-3-methylphenol	3000	0	3500	ug/Kg	117		23	*	57	132	20
2-Methylnaphthalene	3000	0	3000	ug/Kg	100		19		59	123	20
Hexachlorocyclopentadiene	6000	0	8800	ug/Kg	147		14		10	175	20
2,4,6-Trichlorophenol	3000	0	3500	ug/Kg	117		19		33	141	20
2,4,5-Trichlorophenol	3000	0	3400	ug/Kg	113		15		38	135	20
1,1-Biphenyl	3000	0	3600	ug/Kg	120		15		55	131	20
2-Chloronaphthalene	3000	0	3300	ug/Kg	110		17		48	124	20
2-Nitroaniline	3000	0	3300	ug/Kg	110		20		47	134	20
Dimethylphthalate	3000	0	3100	ug/Kg	103		17		54	120	20
Acenaphthylene	3000	0	3800	ug/Kg	127	*	17		57	125	20
2,6-Dinitrotoluene	3000	0	3300	ug/Kg	110		17		48	127	20
3-Nitroaniline	3000	0	2000	ug/Kg	67		6		10	112	20
Acenaphthene	3000	0	3200	ug/Kg	107		17		70	121	20
2,4-Dinitrophenol	6000	0	5700	ug/Kg	95		15		10	155	20
4-Nitrophenol	6000	0	6700	ug/Kg	112		16		10	175	20
Dibenzofuran	3000	0	3300	ug/Kg	110		20		52	114	20
2,4-Dinitrotoluene	3000	0	3300	ug/Kg	110		17		41	140	20
Diethylphthalate	3000	0	3100	ug/Kg	103		17		51	119	20
4-Chlorophenyl-phenylether	3000	0	3200	ug/Kg	107		17		48	122	20
Fluorene	3000	0	3400	ug/Kg	113		19		53	118	20
4-Nitroaniline	3000	0	3300	ug/Kg	110		17		29	140	20
4,6-Dinitro-2-methylphenol	3000	0	3400	ug/Kg	113		15		10	160	20
N-Nitrosodiphenylamine	3000	0	3600	ug/Kg	120	*	21	*	73	118	20
4-Bromophenyl-phenylether	3000	0	3500	ug/Kg	117		19		65	121	20
Hexachlorobenzene	3000	0	3500	ug/Kg	117		19		67	118	20
Atrazine	3000	0	3700	ug/Kg	123		21	*	45	175	20

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064540.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	6000	0	7600	ug/Kg	127		19		13	153	20
Phenanthrene	3000	0	3400	ug/Kg	113		15		52	128	20
Anthracene	3000	0	3500	ug/Kg	117		19		62	124	20
Carbazole	3000	0	3600	ug/Kg	120	*	18		59	119	20
Di-n-butylphthalate	3000	0	3500	ug/Kg	117		19		55	125	20
Fluoranthene	3000	230	3700	ug/Kg	116		19		44	125	20
Pyrene	3000	220	3400	ug/Kg	106		24	*	37	122	20
Butylbenzylphthalate	3000	0	3400	ug/Kg	113		19		44	135	20
3,3-Dichlorobenzidine	3000	0	1600	ug/Kg	53		12		15	112	20
Benzo(a)anthracene	3000	160	3700	ug/Kg	118		26	*	53	119	20
Chrysene	3000	150	3600	ug/Kg	115		22	*	57	121	20
bis(2-Ethylhexyl)phthalate	3000	0	3600	ug/Kg	120		21	*	42	169	20
Di-n-octyl phthalate	3000	0	3500	ug/Kg	117		19		51	156	20
Benzo(b)fluoranthene	3000	200	3500	ug/Kg	110		17		52	117	20
Benzo(k)fluoranthene	3000	0	3500	ug/Kg	117		23	*	57	134	20
Benzo(a)pyrene	3000	220	3800	ug/Kg	119		21	*	70	142	20
Indeno(1,2,3-cd)pyrene	3000	0	3500	ug/Kg	117		16		40	129	20
Dibenz(a,h)anthracene	3000	0	3600	ug/Kg	120		21	*	43	123	20
Benzo(g,h,i)perylene	3000	170	3800	ug/Kg	121		21	*	24	125	20
1,2,4,5-Tetrachlorobenzene	3000	0	3700	ug/Kg	123		14		52	134	20
1,4-Dioxane	3000	0	2700	ug/Kg	90		25	*	46	112	20
2,3,4,6-Tetrachlorophenol	3000	0	3500	ug/Kg	117		19		24	146	20

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** 8270E

Client: AECOM **DataFile:** BG064534.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170144BS	Benzaldehyde	1700	710	ug/Kg	42				10	133	
	Phenol	1700	1700	ug/Kg	100				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1600	ug/Kg	94				66	98	
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111	
	N-Nitroso-di-n-propylamine	1700	1600	ug/Kg	94				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	890	ug/Kg	52				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	4400	ug/Kg	133				45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	1000	ug/Kg	59				28	100	
	Acenaphthene	1700	1400	ug/Kg	82				57	104	
	2,4-Dinitrophenol	3300	2800	ug/Kg	85				37	128	
	4-Nitrophenol	3300	3000	ug/Kg	91				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				71	99	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** 8270E

Client: AECOM **DataFile:** BG064534.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170144BS	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	3300	ug/Kg	100				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103	
	3,3-Dichlorobenzidine	1700	1000	ug/Kg	59				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				54	135	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				52	137	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170144BL

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3363

Lab File ID: BG064533.D | Lab Sample ID: PB170144BL

Instrument ID: BNA_G | Date Extracted: 10/17/2025

Matrix: (soil/water) SOIL | Date Analyzed: 10/17/2025

Level: (low/med) LOW | Time Analyzed: 13:02

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170144BS	PB170144BS	BG064534.D	10/17/2025
PR132-SO1-085011-20251015	Q3363-01	BG064537.D	10/17/2025
PR132-SO1-039085-20251015	Q3363-02	BG064542.D	10/17/2025
COMP01-20251015	Q3363-05	BG064538.D	10/17/2025
COMP01-20251015MS	Q3363-05MS	BG064539.D	10/17/2025
COMP01-20251015MSD	Q3363-05MSD	BG064540.D	10/17/2025
PR132-SO3-028010-20251015	Q3363-03	BF143993.D	10/17/2025
PR132-SO3-010013-20251015	Q3363-04	BF143994.D	10/17/2025

COMMENTS:

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3363

Lab File ID: BF143874.D DFTPP Injection Date: 10/06/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	78
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF143875.D	10/06/2025	09:59
SSTDICC005	SSTDICC005	BF143876.D	10/06/2025	10:28
SSTDICC010	SSTDICC010	BF143877.D	10/06/2025	10:57
SSTDICC020	SSTDICC020	BF143878.D	10/06/2025	11:56
SSTDICCC040	SSTDICCC040	BF143879.D	10/06/2025	12:54
SSTDICC050	SSTDICC050	BF143880.D	10/06/2025	13:23
SSTDICC060	SSTDICC060	BF143881.D	10/06/2025	13:53
SSTDICC080	SSTDICC080	BF143882.D	10/06/2025	14:22

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3363

Lab File ID: BF143983.D DFTPP Injection Date: 10/17/2025

Instrument ID: BNA_F DFTPP Injection Time: 14:14

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1.7) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.6) 1
197	Less than 2.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
365	Greater than 1% of mass 198	5.0
441	Present, but less than mass 443	82.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143984.D	10/17/2025	14:43
PR132-SO3-028010-20251015	Q3363-03	BF143993.D	10/17/2025	19:12
PR132-SO3-010013-20251015	Q3363-04	BF143994.D	10/17/2025	19:41

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3363

Lab File ID: BG064472.D DFTPP Injection Date: 10/02/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1.1) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	7.1
441	Present, but less than mass 443	86.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG064473.D	10/02/2025	09:01
SSTDICC005	SSTDICC005	BG064474.D	10/02/2025	09:42
SSTDICC020	SSTDICC020	BG064476.D	10/02/2025	11:33
SSTDICCC040	SSTDICCC040	BG064477.D	10/02/2025	12:14
SSTDICC050	SSTDICC050	BG064478.D	10/02/2025	12:55
SSTDICC060	SSTDICC060	BG064479.D	10/02/2025	13:35
SSTDICC080	SSTDICC080	BG064480.D	10/02/2025	14:16
SSTDICC010	SSTDICC010	BG064481.D	10/02/2025	15:49

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3363

Lab File ID: BG064530.D DFTPP Injection Date: 10/17/2025

Instrument ID: BNA_G DFTPP Injection Time: 10:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.2
365	Greater than 1% of mass 198	6.6
441	Present, but less than mass 443	16.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064531.D	10/17/2025	11:39
PB170144BL	PB170144BL	BG064533.D	10/17/2025	13:02
PB170144BS	PB170144BS	BG064534.D	10/17/2025	13:43
PR132-SO1-085011-20251015	Q3363-01	BG064537.D	10/17/2025	15:48
COMP01-20251015	Q3363-05	BG064538.D	10/17/2025	16:29
COMP01-20251015MS	Q3363-05MS	BG064539.D	10/17/2025	17:10
COMP01-20251015MSD	Q3363-05MSD	BG064540.D	10/17/2025	17:51
PR132-SO1-039085-20251015	Q3363-02	BG064542.D	10/17/2025	19:12

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3363

Client ID : SSTDCCC040 Date Analyzed: 10/17/2025

Lab File ID: BF143984.D Time Analyzed: 14:43

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	156623	6.887	566623	8.17	278942	9.92
	UPPER LIMIT	313246	7.387	1133250	8.669	557884	10.422
	LOWER LIMIT	78311.5	6.387	283312	7.669	139471	9.422
	EPA SAMPLE NO.						
01	PR132-SO3-028010-20251015	104129	6.88	397063	8.16	206624	9.92
02	PR132-SO3-010013-20251015	95256	6.88	358249	8.16	180230	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3363

Client ID: SSTDCCC040 Date Analyzed: 10/17/2025

Lab File ID: BF143984.D Time Analyzed: 14:43

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	461614	11.416	286617	14.069	311878	15.551
	UPPER LIMIT	923228	11.916	573234	14.569	623756	16.051
	LOWER LIMIT	230807	10.916	143309	13.569	155939	15.051
	EPA SAMPLE NO.						
01	PR132-SO3-028010-20251015	340601	11.41	243470	14.06	303323	15.55
02	PR132-SO3-010013-20251015	275607	11.41	207243	14.06	275767	15.55

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3363

Client ID : SSTDCCC040 Date Analyzed: 10/17/2025

Lab File ID: BG064531.D Time Analyzed: 11:39

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	15109	7.82	59855	10.61	45410	14.45
	UPPER LIMIT	30218	8.32	119710	11.105	90820	14.947
	LOWER LIMIT	7554.5	7.32	29927.5	10.105	22705	13.947
	EPA SAMPLE NO.						
01	PB170144BL	15169	7.82	63951	10.60	47990	14.44
02	PB170144BS	13548	7.82	60553	10.60	47398	14.45
03	PR132-SO1-085011-20251015	15692	7.82	62273	10.60	44210	14.44
04	COMP01-20251015	13378	7.82	53157	10.61	39158	14.44
05	COMP01-20251015MS	14953	7.82	59781	10.60	44289	14.44
06	COMP01-20251015MSD	12958	7.82	53760	10.61	42324	14.45
07	PR132-SO1-039085-20251015	14350	7.82	59289	10.60	41893	14.45

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3363

Client ID: SSTDCCC040 Date Analyzed: 10/17/2025

Lab File ID: BG064531.D Time Analyzed: 11:39

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	113433	17.185	121987	21.416	135397	24.389
	UPPER LIMIT	226866	17.685	243974	21.916	270794	24.889
	LOWER LIMIT	56716.5	16.685	60993.5	20.916	67698.5	23.889
	EPA SAMPLE NO.						
01	PB170144BL	119250	17.19	136283	21.41	149804	24.39
02	PB170144BS	115978	17.19	125702	21.41	135853	24.39
03	PR132-SO1-085011-20251015	107542	17.19	122736	21.41	135244	24.39
04	COMP01-20251015	94623	17.19	112080	21.41	127010	24.40
05	COMP01-20251015MS	105365	17.19	119699	21.41	135091	24.40
06	COMP01-20251015MSD	98552	17.19	108444	21.42	124972	24.40
07	PR132-SO1-039085-20251015	102654	17.19	115906	21.41	131885	24.40

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-085011-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	50.1
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	660	U	1	310	660	ug/Kg	10/17/25 15:48	PB170144
108-95-2	Phenol	340	U	1	44.0	340	ug/Kg	10/17/25 15:48	PB170144
111-44-4	bis(2-Chloroethyl)ether	340	U	1	48.4	340	ug/Kg	10/17/25 15:48	PB170144
95-57-8	2-Chlorophenol	340	U	1	48.6	340	ug/Kg	10/17/25 15:48	PB170144
95-48-7	2-Methylphenol	340	U	1	59.6	340	ug/Kg	10/17/25 15:48	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	340	U	1	74.7	340	ug/Kg	10/17/25 15:48	PB170144
98-86-2	Acetophenone	340	U	1	58.8	340	ug/Kg	10/17/25 15:48	PB170144
65794-96-9	3+4-Methylphenols	660	U	1	81.9	660	ug/Kg	10/17/25 15:48	PB170144
621-64-7	n-Nitroso-di-n-propylamine	160	U	1	94.4	160	ug/Kg	10/17/25 15:48	PB170144
67-72-1	Hexachloroethane	340	U	1	35.1	340	ug/Kg	10/17/25 15:48	PB170144
98-95-3	Nitrobenzene	340	U	1	36.5	340	ug/Kg	10/17/25 15:48	PB170144
78-59-1	Isophorone	340	U	1	65.3	340	ug/Kg	10/17/25 15:48	PB170144
88-75-5	2-Nitrophenol	340	U	1	120	340	ug/Kg	10/17/25 15:48	PB170144
105-67-9	2,4-Dimethylphenol	340	U	1	130	340	ug/Kg	10/17/25 15:48	PB170144
111-91-1	bis(2-Chloroethoxy)methane	340	U	1	61.4	340	ug/Kg	10/17/25 15:48	PB170144
120-83-2	2,4-Dichlorophenol	340	U	1	56.4	340	ug/Kg	10/17/25 15:48	PB170144
91-20-3	Naphthalene	340	U	1	45.2	340	ug/Kg	10/17/25 15:48	PB170144
106-47-8	4-Chloroaniline	340	U	1	70.5	340	ug/Kg	10/17/25 15:48	PB170144
87-68-3	Hexachlorobutadiene	340	U	1	50.4	340	ug/Kg	10/17/25 15:48	PB170144
105-60-2	Caprolactam	660	U	1	100	660	ug/Kg	10/17/25 15:48	PB170144
59-50-7	4-Chloro-3-methylphenol	340	U	1	57.2	340	ug/Kg	10/17/25 15:48	PB170144
91-57-6	2-Methylnaphthalene	340	U	1	51.0	340	ug/Kg	10/17/25 15:48	PB170144
77-47-4	Hexachlorocyclopentadiene	660	U	1	230	660	ug/Kg	10/17/25 15:48	PB170144
88-06-2	2,4,6-Trichlorophenol	340	U	1	39.4	340	ug/Kg	10/17/25 15:48	PB170144
95-95-4	2,4,5-Trichlorophenol	340	U	1	58.0	340	ug/Kg	10/17/25 15:48	PB170144
92-52-4	1,1-Biphenyl	340	U	1	43.4	340	ug/Kg	10/17/25 15:48	PB170144
91-58-7	2-Chloronaphthalene	340	U	1	44.8	340	ug/Kg	10/17/25 15:48	PB170144
88-74-4	2-Nitroaniline	340	U	1	95.8	340	ug/Kg	10/17/25 15:48	PB170144
131-11-3	Dimethylphthalate	340	U	1	54.0	340	ug/Kg	10/17/25 15:48	PB170144
208-96-8	Acenaphthylene	340	U	1	57.6	340	ug/Kg	10/17/25 15:48	PB170144
606-20-2	2,6-Dinitrotoluene	340	U	1	66.9	340	ug/Kg	10/17/25 15:48	PB170144
99-09-2	3-Nitroaniline	340	U	1	91.6	340	ug/Kg	10/17/25 15:48	PB170144
83-32-9	Acenaphthene	340	U	1	42.4	340	ug/Kg	10/17/25 15:48	PB170144
51-28-5	2,4-Dinitrophenol	660	U	1	460	660	ug/Kg	10/17/25 15:48	PB170144
100-02-7	4-Nitrophenol	660	U	1	210	660	ug/Kg	10/17/25 15:48	PB170144
132-64-9	Dibenzofuran	340	U	1	45.2	340	ug/Kg	10/17/25 15:48	PB170144
121-14-2	2,4-Dinitrotoluene	340	U	1	99.8	340	ug/Kg	10/17/25 15:48	PB170144
84-66-2	Diethylphthalate	340	U	1	56.4	340	ug/Kg	10/17/25 15:48	PB170144
7005-72-3	4-Chlorophenyl-phenylether	340	U	1	53.2	340	ug/Kg	10/17/25 15:48	PB170144
86-73-7	Fluorene	340	U	1	50.4	340	ug/Kg	10/17/25 15:48	PB170144
100-01-6	4-Nitroaniline	340	U	1	130	340	ug/Kg	10/17/25 15:48	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	660	U	1	210	660	ug/Kg	10/17/25 15:48	PB170144

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-085011-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	50.1
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	340	U	1	65.5	340	ug/Kg	10/17/25 15:48	PB170144
101-55-3	4-Bromophenyl-phenylether	340	U	1	55.4	340	ug/Kg	10/17/25 15:48	PB170144
118-74-1	Hexachlorobenzene	340	U	1	50.4	340	ug/Kg	10/17/25 15:48	PB170144
1912-24-9	Atrazine	340	U	1	67.7	340	ug/Kg	10/17/25 15:48	PB170144
87-86-5	Pentachlorophenol	660	U	1	100	660	ug/Kg	10/17/25 15:48	PB170144
85-01-8	Phenanthrene	220	J	1	41.6	340	ug/Kg	10/17/25 15:48	PB170144
120-12-7	Anthracene	340	U	1	66.3	340	ug/Kg	10/17/25 15:48	PB170144
86-74-8	Carbazole	340	U	1	62.2	340	ug/Kg	10/17/25 15:48	PB170144
84-74-2	Di-n-butylphthalate	340	U	1	95.4	340	ug/Kg	10/17/25 15:48	PB170144
206-44-0	Fluoranthene	370		1	59.8	340	ug/Kg	10/17/25 15:48	PB170144
129-00-0	Pyrene	340		1	71.7	340	ug/Kg	10/17/25 15:48	PB170144
85-68-7	Butylbenzylphthalate	340	U	1	140	340	ug/Kg	10/17/25 15:48	PB170144
91-94-1	3,3-Dichlorobenzidine	660	U	1	73.1	660	ug/Kg	10/17/25 15:48	PB170144
56-55-3	Benzo(a)anthracene	250	J	1	45.8	340	ug/Kg	10/17/25 15:48	PB170144
218-01-9	Chrysene	260	J	1	39.6	340	ug/Kg	10/17/25 15:48	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	340	U	1	120	340	ug/Kg	10/17/25 15:48	PB170144
117-84-0	Di-n-octyl phthalate	660	U	1	170	660	ug/Kg	10/17/25 15:48	PB170144
205-99-2	Benzo(b)fluoranthene	260	J	1	37.8	340	ug/Kg	10/17/25 15:48	PB170144
207-08-9	Benzo(k)fluoranthene	340	U	1	44.6	340	ug/Kg	10/17/25 15:48	PB170144
50-32-8	Benzo(a)pyrene	270	J	1	58.8	340	ug/Kg	10/17/25 15:48	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	340	U	1	58.0	340	ug/Kg	10/17/25 15:48	PB170144
53-70-3	Dibenzo(a,h)anthracene	340	U	1	54.6	340	ug/Kg	10/17/25 15:48	PB170144
191-24-2	Benzo(g,h,i)perylene	170	J	1	51.2	340	ug/Kg	10/17/25 15:48	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	340	U	1	51.0	340	ug/Kg	10/17/25 15:48	PB170144
123-91-1	1,4-Dioxane	340	U	1	90.0	340	ug/Kg	10/17/25 15:48	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	340	U	1	54.6	340	ug/Kg	10/17/25 15:48	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	62.3			18 - 112	42%	SPK: 150		
13127-88-3	Phenol-d6	55.4			15 - 107	37%	SPK: 150		
4165-60-0	Nitrobenzene-d5	36.7			18 - 107	37%	SPK: 100		
321-60-8	2-Fluorobiphenyl	33.2			20 - 109	33%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	63.7			10 - 116	42%	SPK: 150		
1718-51-0	Terphenyl-d14	32.4			10 - 105	32%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	15700							
1146-65-2	Naphthalene-d8	62300							
15067-26-2	Acenaphthene-d10	44200							
1517-22-2	Phenanthrene-d10	108000							
1719-03-5	Chrysene-d12	123000							
1520-96-3	Perylene-d12	135000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	420	J			15.8	ug/Kg		
000629-50-5	Tridecane	460	J			17.0	ug/Kg		

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-085011-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	50.1
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000057-10-3	n-Hexadecanoic acid	530	J			18.1	ug/Kg		
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	230	J			18.8	ug/Kg		
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	820	J			19.3	ug/Kg		
066552-97-4	2-Isopropyl-10-methylphenanthrene	390	J			20.0	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064537.D
Acq On : 17 Oct 2025 15:48
Operator : RC/JU
Sample : Q3363-01
Misc : 8270/625.1 SPIKE
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

Quant Time: Oct 17 16:23:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.817	152	15692	20.000	ng		# 0.00
21) Naphthalene-d8	10.602	136	62273	20.000	ng		# 0.00
39) Acenaphthene-d10	14.444	164	44210	20.000	ng		0.00
64) Phenanthrene-d10	17.188	188	107542	20.000	ng		0.00
76) Chrysene-d12	21.413	240	122736	20.000	ng		0.00
86) Perylene-d12	24.391	264	135244	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	52795	62.265	ng		0.00
7) Phenol-d6	6.994	99	63162	55.432	ng		0.00
23) Nitrobenzene-d5	8.968	82	42502	36.699	ng		0.00
42) 2,4,6-Tribromophenol	15.937	330	51012	63.656	ng		0.00
45) 2-Fluorobiphenyl	13.064	172	99585	33.203	ng		0.00
79) Terphenyl-d14	19.803	244	210418	32.445	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	17.229	178	18436	3.278	ng		95
75) Fluoranthene	19.239	202	37412	5.568	ng		95
78) Pyrene	19.603	202	40759	5.117	ng		97
81) Benzo(a)anthracene	21.395	228	28933m	3.692	ng		
83) Chrysene	21.454	228	29391	3.955	ng		93
88) Benzo(b)fluoranthene	23.457	252	29707	3.861	ng	#	96
90) Benzo(a)pyrene	24.256	252	29136	4.109	ng	#	95
92) Benzo(g,h,i)perylene	28.792	276	18887	2.582	ng	#	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

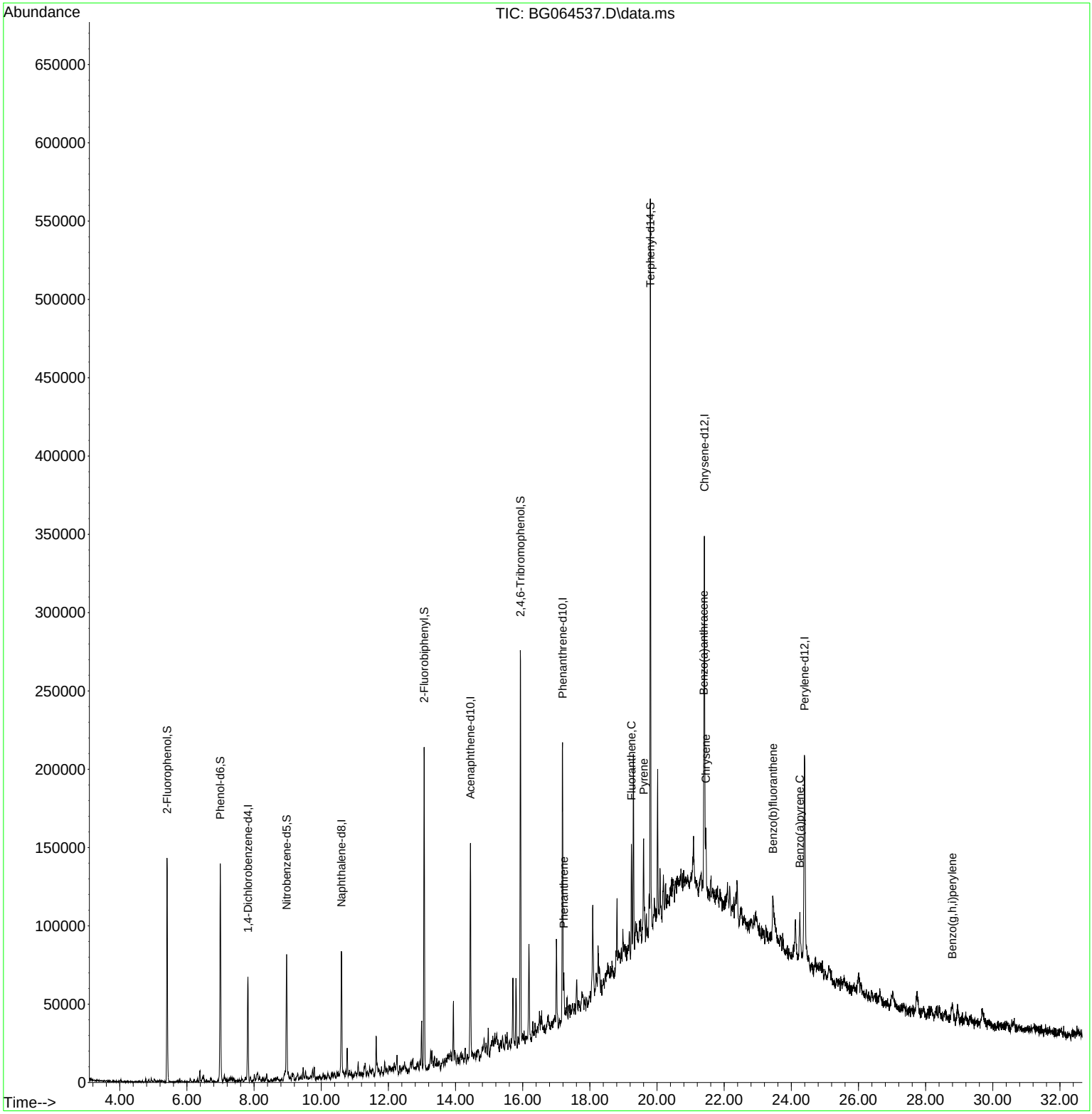
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064537.D
Acq On : 17 Oct 2025 15:48
Operator : RC/JU
Sample : Q3363-01
Misc : 8270/625.1 SPIKE
ALS Vial : 8 Sample Multiplier: 1

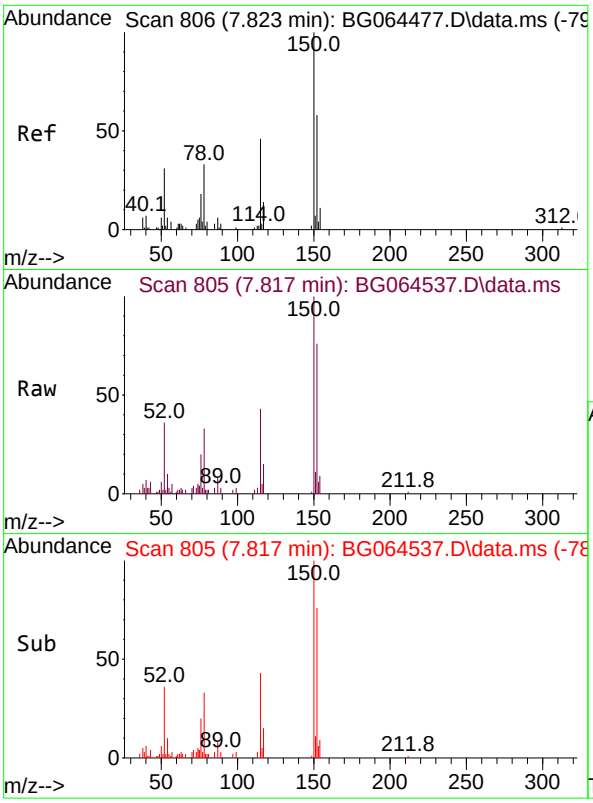
Quant Time: Oct 17 16:23:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

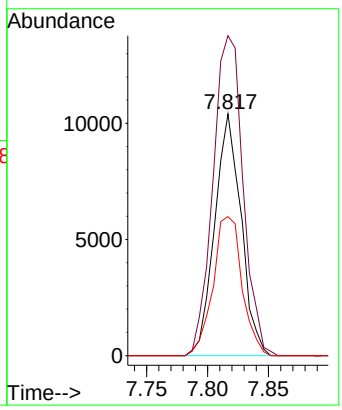




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.817 min Scan# 80
Delta R.T. -0.003 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Tgt Ion:152 Resp: 1569

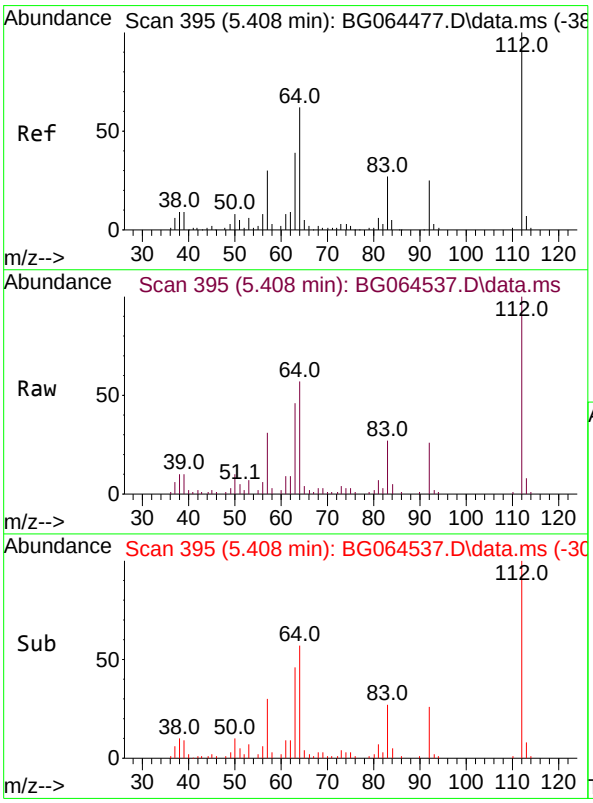
Ion	Ratio	Lower	Upper
152	100		
150	132.4	138.6	207.8
115	57.5	63.4	95.2



Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Manual Integrations
APPROVED

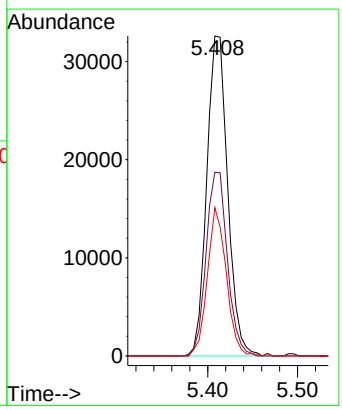
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

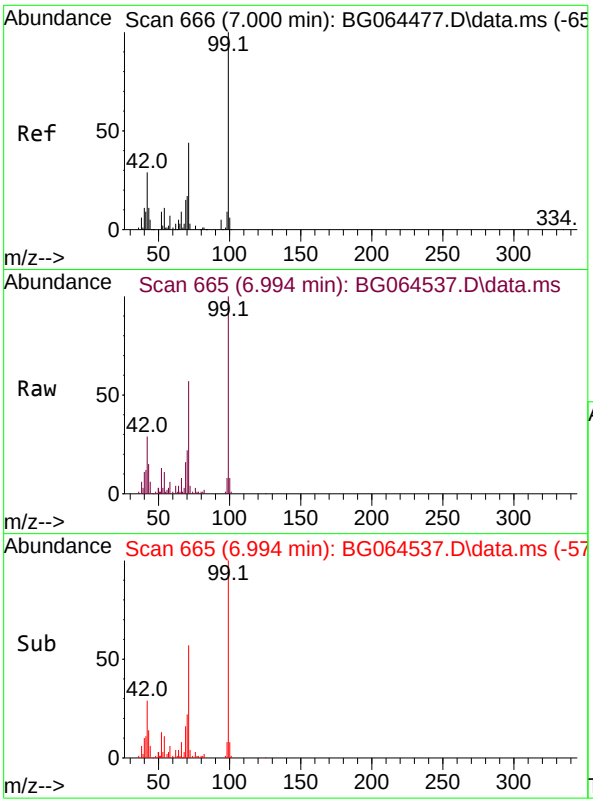


#5
2-Fluorophenol
Concen: 62.265 ng
RT: 5.408 min Scan# 395
Delta R.T. 0.002 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Tgt Ion:112 Resp: 52795

Ion	Ratio	Lower	Upper
112	100		
64	57.4	49.8	74.8
63	46.3	31.3	46.9

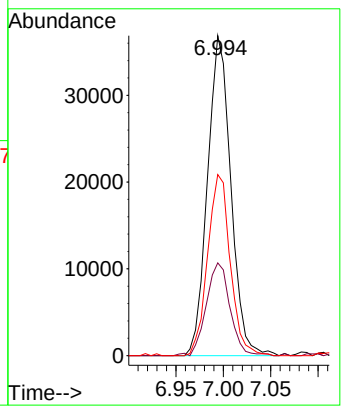




#7
Phenol-d6
Concen: 55.432 ng
RT: 6.994 min Scan# 6
Delta R.T. 0.008 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Tgt Ion: 99 Resp: 6316

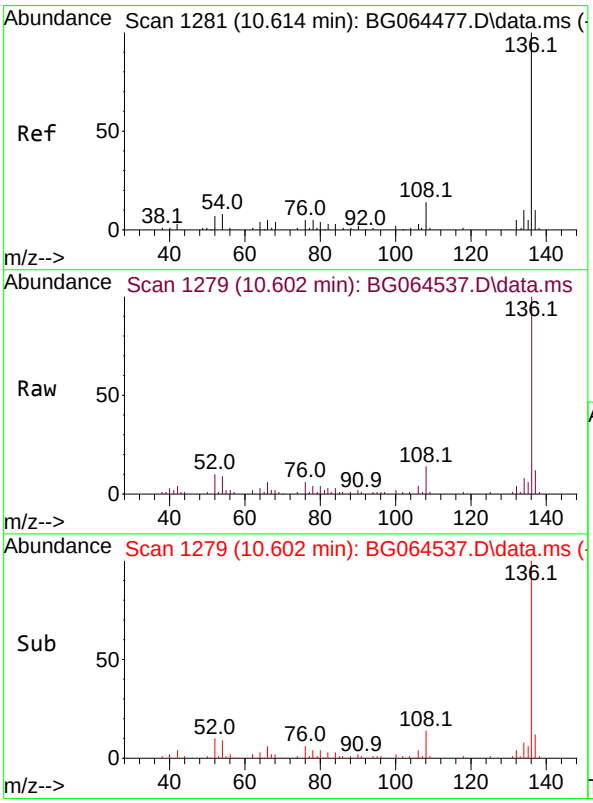
Ion	Ratio	Lower	Upper
99	100		
42	29.0	22.9	34.3
71	56.6	35.4	53.2#



Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Manual Integrations
APPROVED

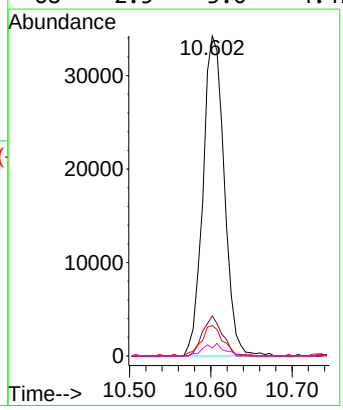
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

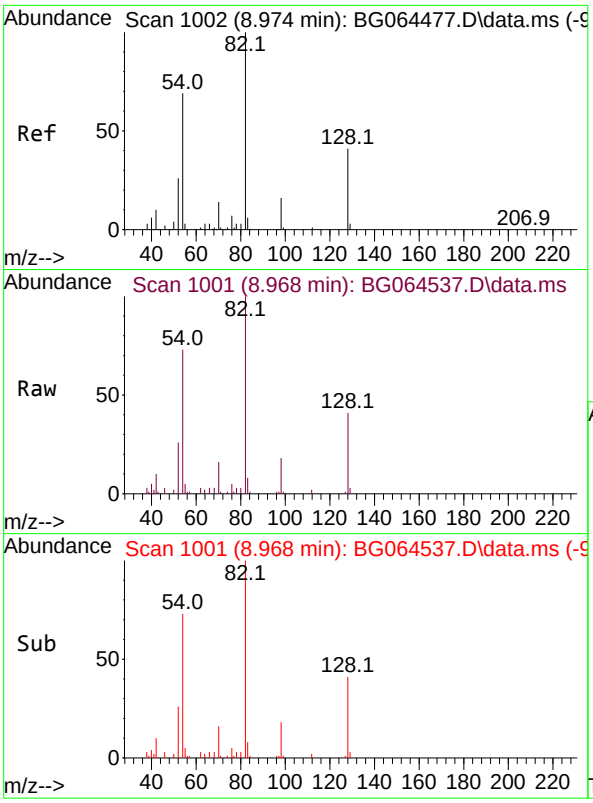


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.602 min Scan# 1279
Delta R.T. -0.004 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Tgt Ion:136 Resp: 62273

Ion	Ratio	Lower	Upper
136	100		
137	12.5	8.3	12.5#
54	9.5	6.2	9.4#
68	2.5	3.0	4.4#





#23
Nitrobenzene-d5
Concen: 36.699 ng
RT: 8.968 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

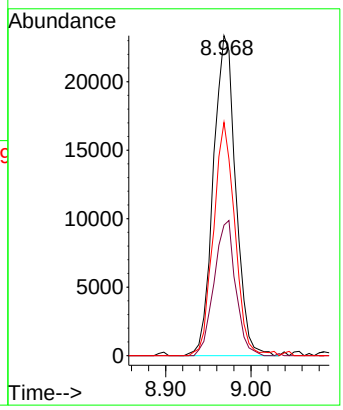
Tgt Ion: 82 Resp: 4250

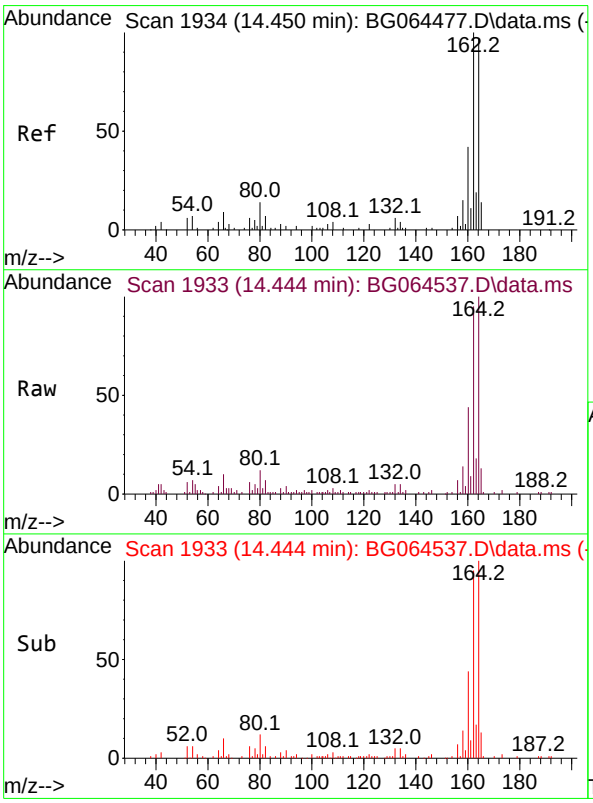
Ion	Ratio	Lower	Upper
82	100		
128	40.8	33.1	49.7
54	72.9	55.4	83.2

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

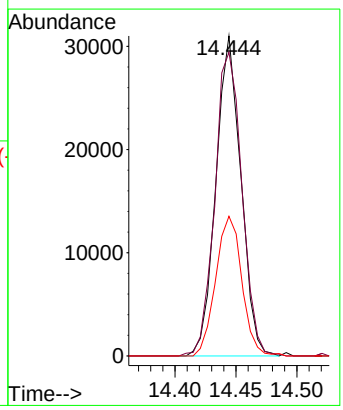


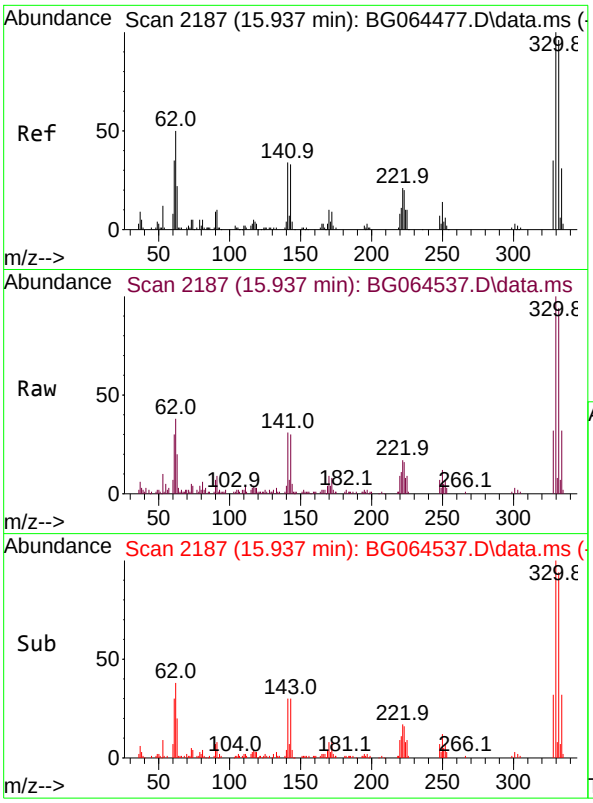


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.444 min Scan# 1933
Delta R.T. -0.004 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Tgt Ion:164 Resp: 44210

Ion	Ratio	Lower	Upper
164	100		
162	94.9	82.2	123.2
160	43.6	34.3	51.5

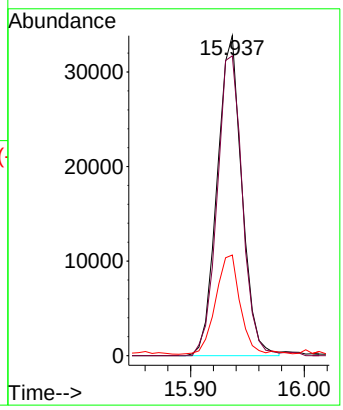




#42
2,4,6-Tribromophenol
Concen: 63.656 ng
RT: 15.937 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Tgt Ion:330 Resp: 5101

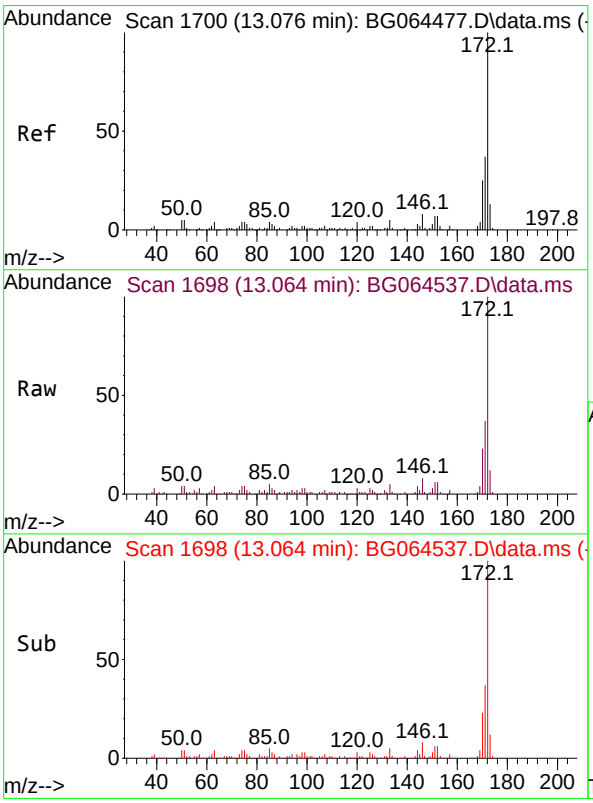
Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.4	116.0
141	32.1	25.8	38.6



Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Manual Integrations
APPROVED

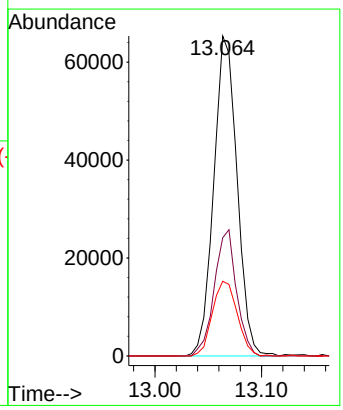
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

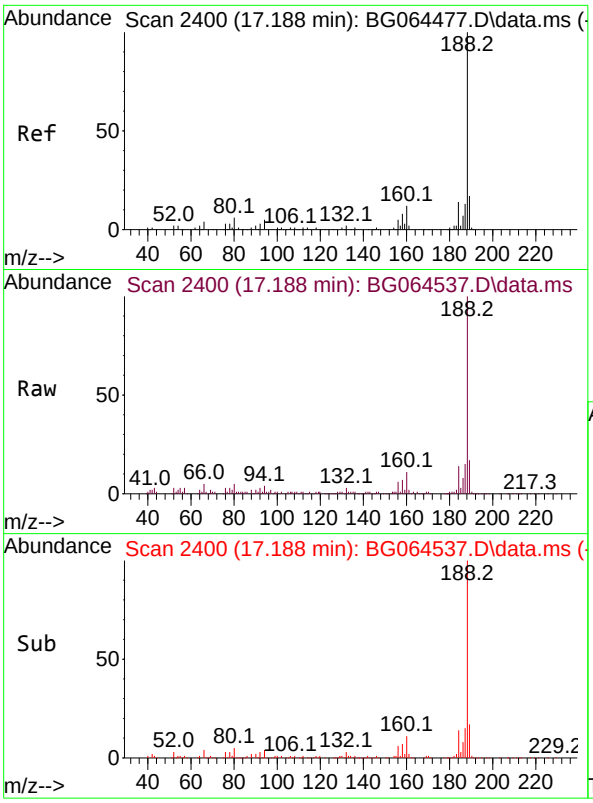


#45
2-Fluorobiphenyl
Concen: 33.203 ng
RT: 13.064 min Scan# 1698
Delta R.T. -0.004 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Tgt Ion:172 Resp: 99585

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.6	44.4
170	23.3	20.2	30.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.188 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

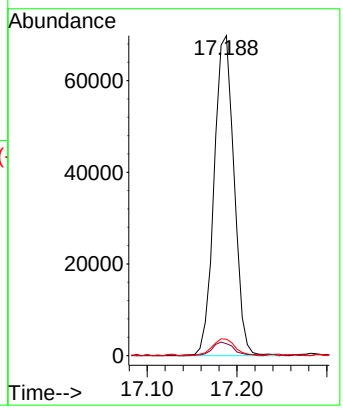
Tgt Ion:188 Resp: 10754

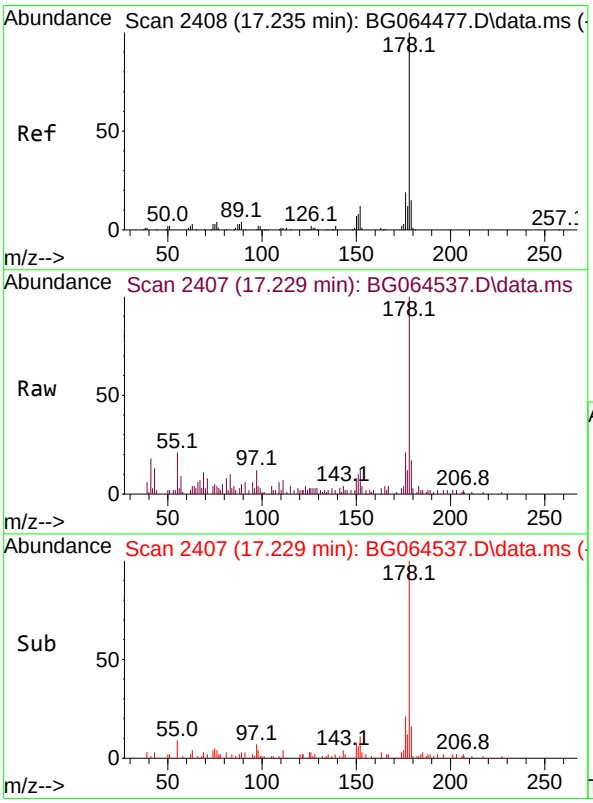
Ion	Ratio	Lower	Upper
188	100		
94	3.7	3.7	5.5
80	5.1	4.5	6.7

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

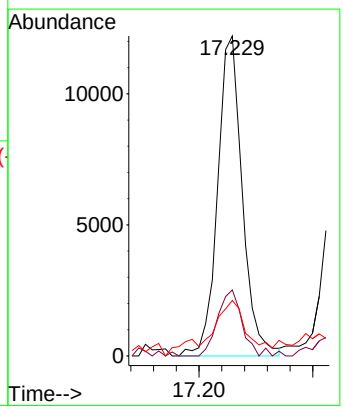


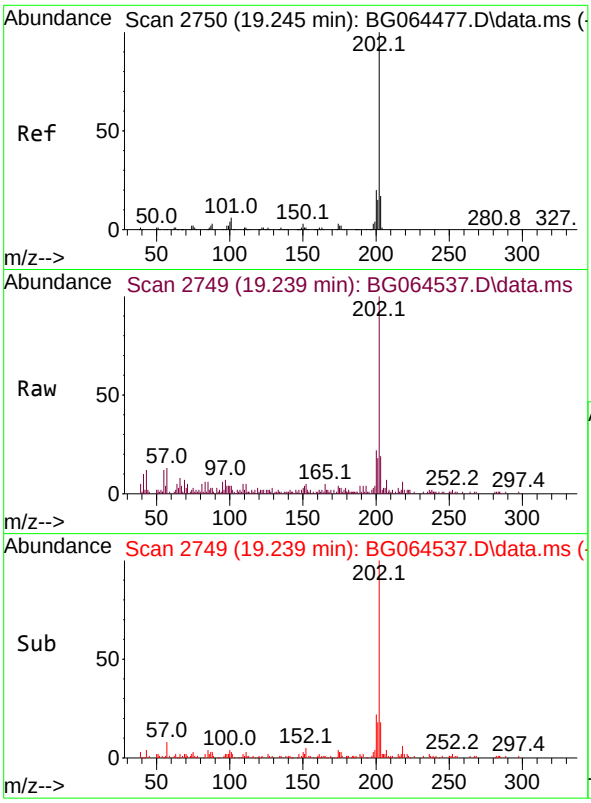


#71
Phenanthrene
Concen: 3.278 ng
RT: 17.229 min Scan# 2407
Delta R.T. 0.002 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Tgt Ion:178 Resp: 18436

Ion	Ratio	Lower	Upper
178	100		
176	20.7	15.2	22.8
179	17.3	11.8	17.6





#75
Fluoranthene
Concen: 5.568 ng
RT: 19.239 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

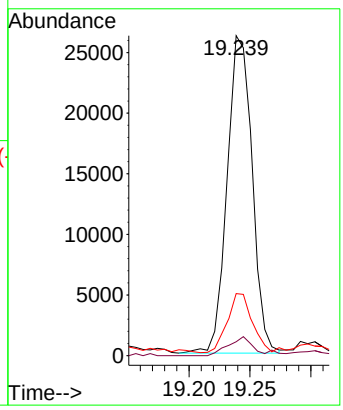
Tgt Ion:202 Resp: 3741

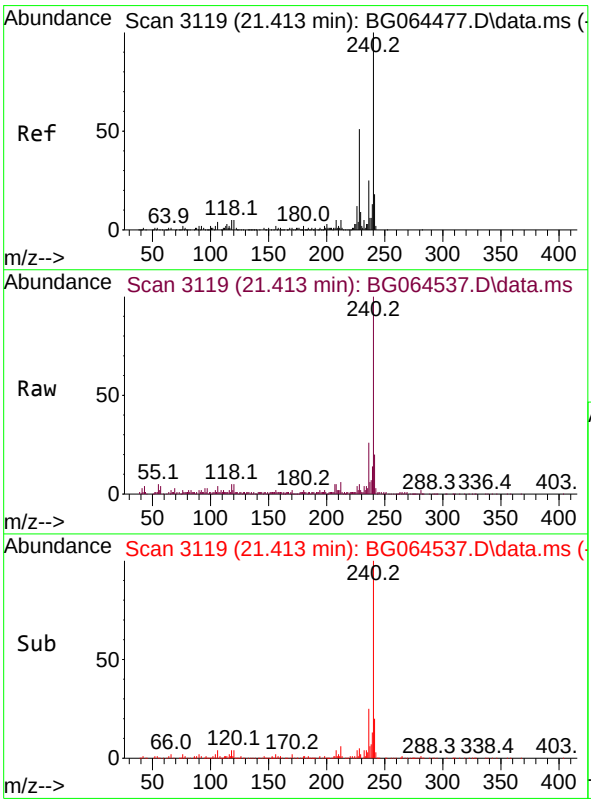
Ion	Ratio	Lower	Upper
202	100		
101	6.2	0.0	25.7
203	19.4	0.0	36.6

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

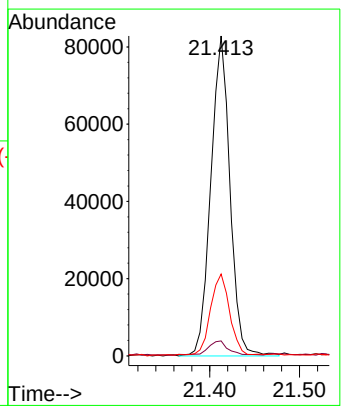


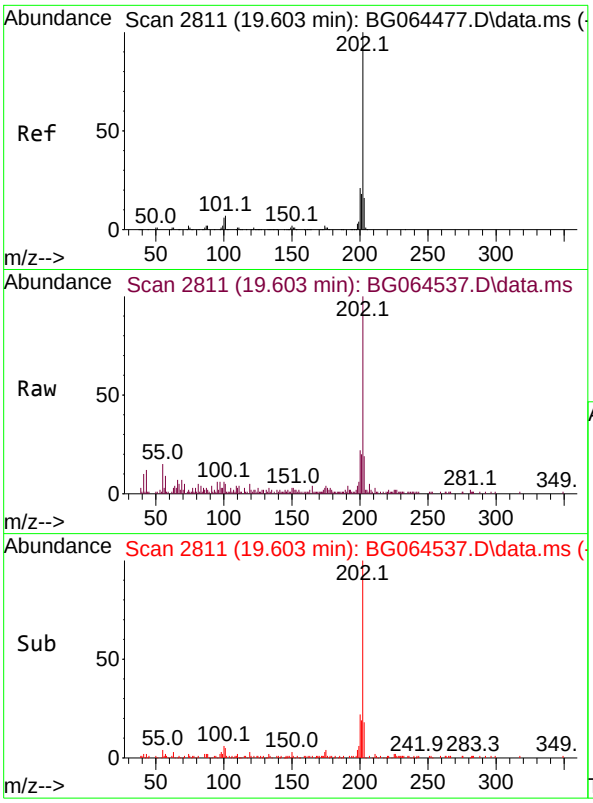


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.413 min Scan# 3119
Delta R.T. 0.003 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Tgt Ion:240 Resp: 122736

Ion	Ratio	Lower	Upper
240	100		
120	4.7	4.3	6.5
236	25.6	20.4	30.6

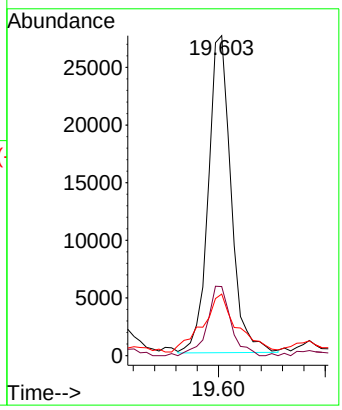




#78
Pyrene
Concen: 5.117 ng
RT: 19.603 min Scan# 28
Delta R.T. 0.002 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Tgt Ion:202 Resp: 40759

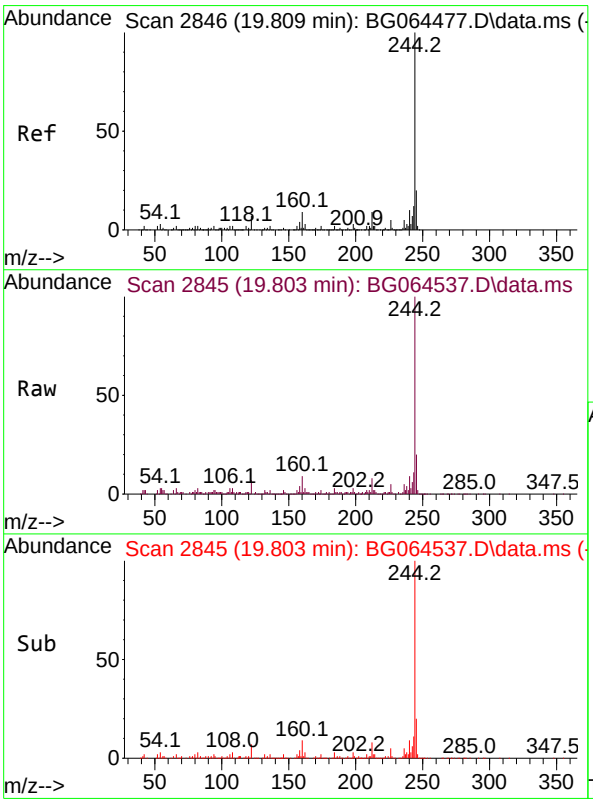
Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.4
203	19.2	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Manual Integrations APPROVED

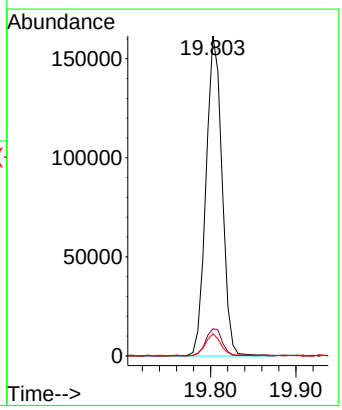
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

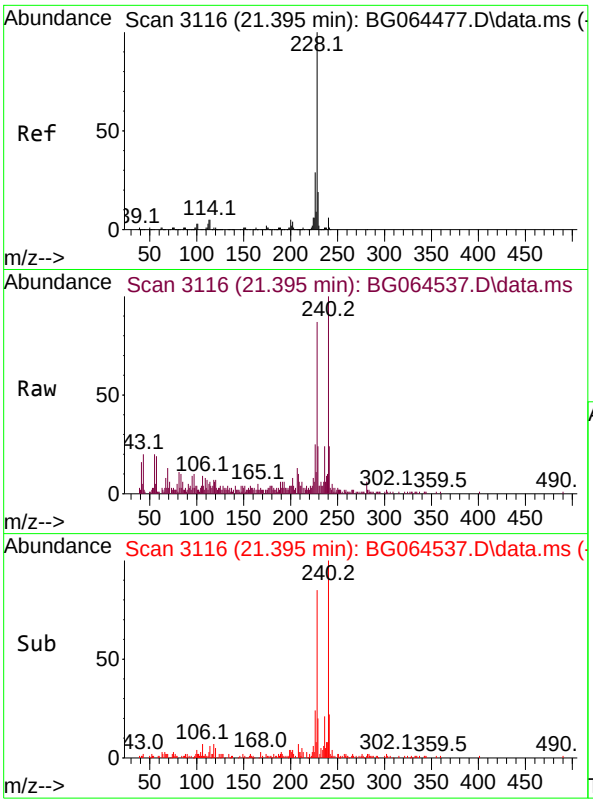


#79
Terphenyl-d14
Concen: 32.445 ng
RT: 19.803 min Scan# 2845
Delta R.T. -0.004 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Tgt Ion:244 Resp: 210418

Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.0	10.6
122	6.9	5.6	8.4

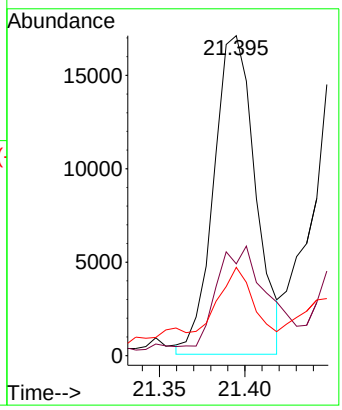




#81
Benzo(a)anthracene
Concen: 3.692 ng m
RT: 21.395 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Tgt Ion:228 Resp: 2893

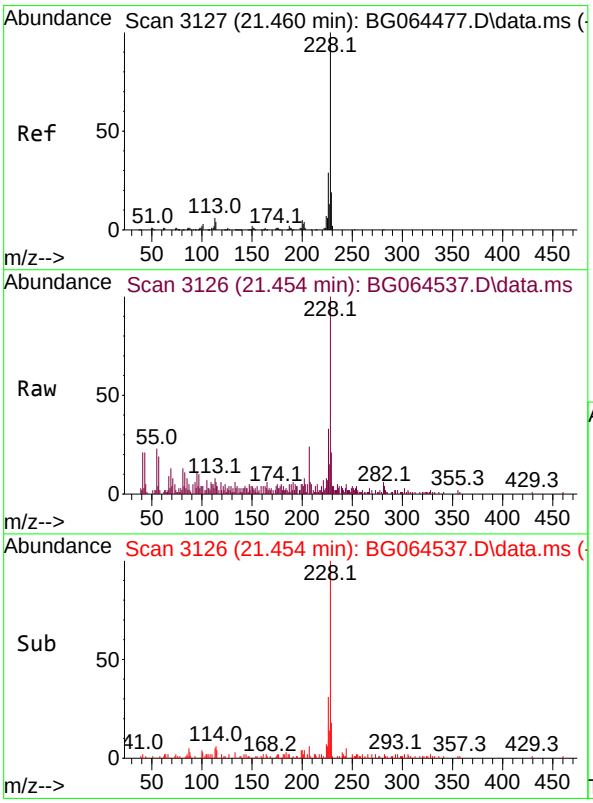
Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.8	34.2
229	27.6	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Manual Integrations
APPROVED

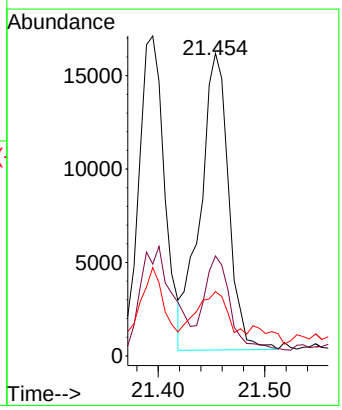
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

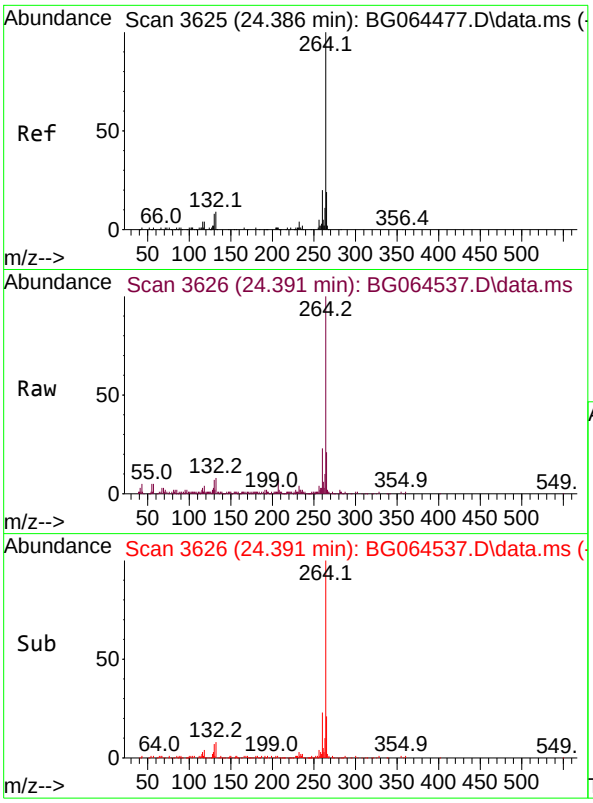


#83
Chrysene
Concen: 3.955 ng
RT: 21.454 min Scan# 3126
Delta R.T. 0.002 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Tgt Ion:228 Resp: 29391

Ion	Ratio	Lower	Upper
228	100		
226	33.0	22.8	34.2
229	21.2	15.4	23.0

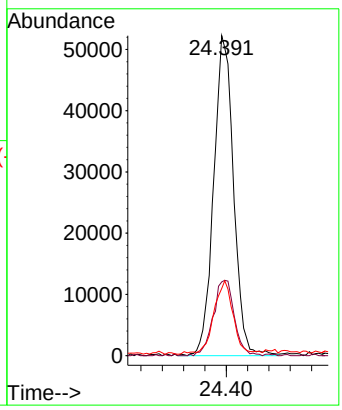




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Tgt Ion:264 Resp: 13524

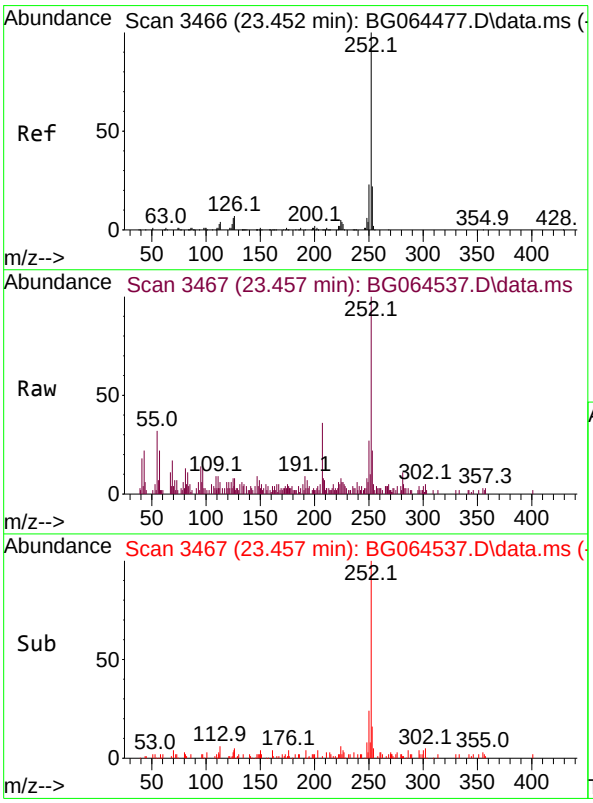
Ion	Ratio	Lower	Upper
264	100		
260	23.0	16.2	24.4
265	21.0	15.0	22.4



Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Manual Integrations
APPROVED

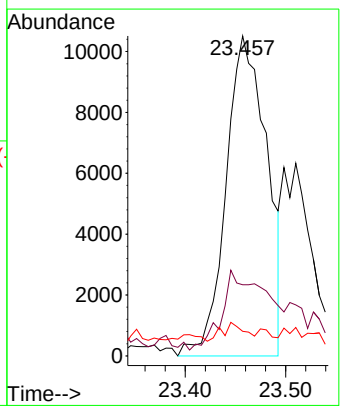
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

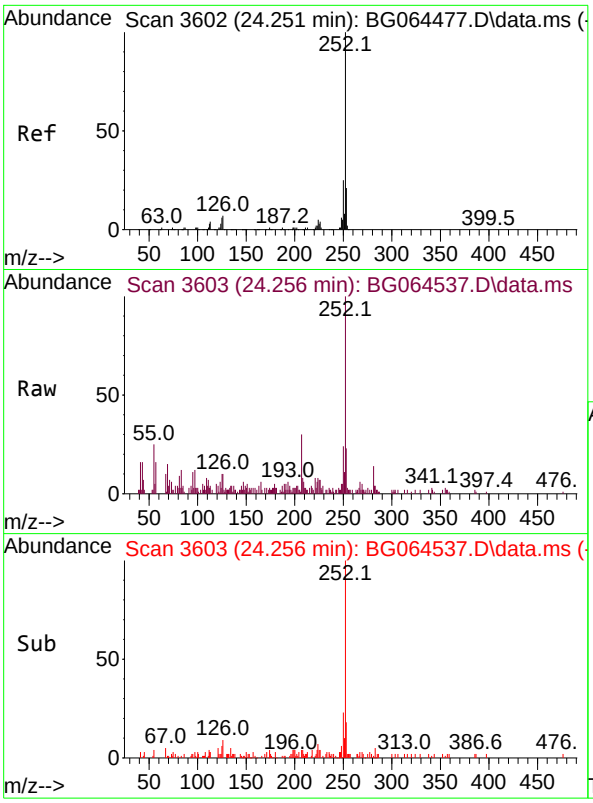


#88
Benzo(b)fluoranthene
Concen: 3.861 ng
RT: 23.457 min Scan# 3467
Delta R.T. 0.008 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Tgt Ion:252 Resp: 29707

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	11.7	4.5	6.7#

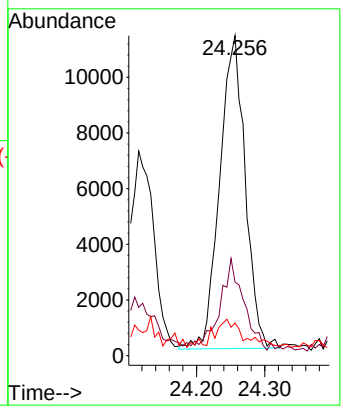




#90
Benzo(a)pyrene
Concen: 4.109 ng
RT: 24.256 min Scan# 3
Delta R.T. 0.008 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Tgt Ion:252 Resp: 2913

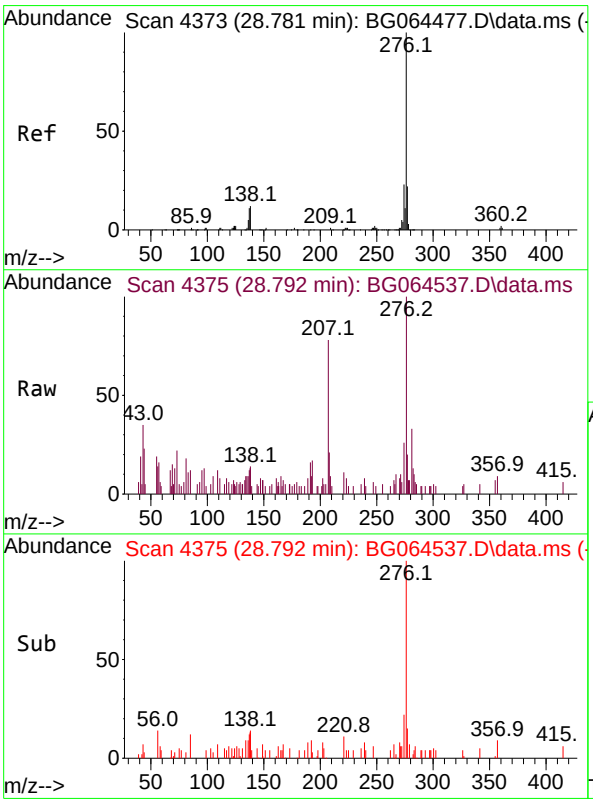
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	10.2	4.6	6.8#



Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Manual Integrations
APPROVED

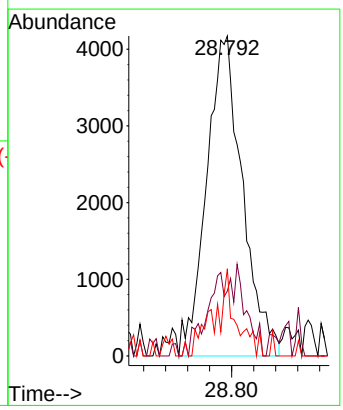
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#92
Benzo(g,h,i)perylene
Concen: 2.582 ng
RT: 28.792 min Scan# 4375
Delta R.T. 0.026 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Tgt Ion:276 Resp: 18887

Ion	Ratio	Lower	Upper
276	100		
277	20.3	17.8	26.6
138	27.2	9.4	14.0#



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064537.D
Acq On : 17 Oct 2025 15:48
Operator : RC/JU
Sample : Q3363-01
Misc : 8270/625.1 SPIKE
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064537.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.408	389	395	404	rBV	143277	224324	36.53%	4.327%
2	6.389	557	562	567	rBV2	7428	11661	1.90%	0.225%
3	6.994	656	665	676	rVB	139226	239661	39.03%	4.623%
4	7.817	797	805	812	rVB2	67128	120904	19.69%	2.332%
5	7.893	812	818	824	rVB3	3433	7323	1.19%	0.141%
6	8.093	846	852	853	rBV3	3684	6816	1.11%	0.131%
7	8.898	983	989	990	rBV3	4976	6326	1.03%	0.122%
8	8.968	995	1001	1008	rVB	77175	138428	22.54%	2.670%
9	9.139	1025	1030	1031	rBV2	4499	6623	1.08%	0.128%
10	9.297	1053	1057	1062	rVB4	4889	8340	1.36%	0.161%
11	9.462	1081	1085	1091	rBV3	7678	10161	1.65%	0.196%
12	9.532	1091	1097	1101	rVB7	4910	8420	1.37%	0.162%
13	9.744	1128	1133	1137	rBV5	5434	9814	1.60%	0.189%
14	9.797	1137	1142	1147	rVB6	8422	14959	2.44%	0.289%
15	10.302	1224	1228	1231	rBV3	3874	6156	1.00%	0.119%
16	10.602	1269	1279	1286	rBV	79446	152890	24.90%	2.949%
17	10.772	1304	1308	1313	rVB2	18253	28392	4.62%	0.548%
18	11.101	1357	1364	1367	rBV4	9232	15400	2.51%	0.297%
19	11.283	1388	1395	1397	rBV4	6645	12235	1.99%	0.236%
20	11.307	1397	1399	1406	rVB5	8142	11782	1.92%	0.227%
21	11.442	1418	1422	1424	rBV4	6089	7732	1.26%	0.149%
22	11.636	1451	1455	1459	rBV2	22479	31824	5.18%	0.614%
23	11.794	1478	1482	1484	rBV5	5134	6528	1.06%	0.126%
24	11.888	1495	1498	1504	rVB4	6806	9669	1.57%	0.187%
25	12.176	1543	1547	1548	rBV3	5567	7098	1.16%	0.137%
26	12.259	1554	1561	1568	rVB8	12727	29550	4.81%	0.570%
27	12.482	1595	1599	1603	rBV5	5346	7399	1.20%	0.143%
28	12.658	1622	1629	1631	rBV7	6338	12894	2.10%	0.249%
29	12.881	1665	1667	1673	rVB6	5556	7464	1.22%	0.144%
30	12.940	1673	1677	1679	rBV4	6079	8185	1.33%	0.158%
31	12.993	1681	1686	1691	rVV2	30853	44542	7.25%	0.859%
32	13.064	1691	1698	1706	rVV	205289	320955	52.26%	6.191%
33	13.257	1725	1731	1735	rBV8	10645	19028	3.10%	0.367%
34	13.299	1735	1738	1743	rVV7	10398	14669	2.39%	0.283%
35	13.369	1747	1750	1754	rBV5	7743	12514	2.04%	0.241%
36	13.504	1770	1773	1781	rVB8	5462	12497	2.04%	0.241%

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064537.D
Acq On : 17 Oct 2025 15:48
Operator : RC/JU
Sample : Q3363-01
Misc : 8270/625.1 SPIKE
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.622	1790	1793	1797	rVB6	4472	7221	1.18%	0.139%
38	13.669	1797	1801	1805	rBV7	5196	6948	1.13%	0.134%
39	13.716	1805	1809	1813	rBV6	4735	9232	1.50%	0.178%
40	13.774	1813	1819	1822	rBV6	5439	11539	1.88%	0.223%
41	13.939	1838	1847	1850	rBV	38425	57142	9.30%	1.102%
42	13.980	1851	1854	1861	rVB7	8599	16725	2.72%	0.323%
43	14.051	1863	1866	1871	rVB6	5706	9365	1.52%	0.181%
44	14.150	1879	1883	1884	rBV3	6682	7672	1.25%	0.148%
45	14.291	1903	1907	1912	rVB8	10145	17550	2.86%	0.339%
46	14.444	1926	1933	1940	rBV	136946	220960	35.98%	4.262%
47	14.850	1999	2002	2008	rVB8	9148	14902	2.43%	0.287%
48	14.973	2019	2023	2029	rVB8	18494	28947	4.71%	0.558%
49	15.049	2031	2036	2037	rBV5	7701	11995	1.95%	0.231%
50	15.108	2044	2046	2051	rVB6	6798	8151	1.33%	0.157%
51	15.484	2108	2110	2114	rBV4	8040	10260	1.67%	0.198%
52	15.537	2116	2119	2123	rVB6	11401	17404	2.83%	0.336%
53	15.707	2144	2148	2156	rVB2	41988	66948	10.90%	1.291%
54	15.801	2159	2164	2170	rVB	44916	69436	11.31%	1.339%
55	15.931	2180	2186	2193	rBV	251821	400022	65.14%	7.716%
56	16.189	2223	2230	2236	rBV	60442	106332	17.32%	2.051%
57	16.301	2247	2249	2252	rVB4	9293	8435	1.37%	0.163%
58	16.366	2258	2260	2265	rVB6	9477	13546	2.21%	0.261%
59	16.501	2281	2283	2287	rVB5	12207	12871	2.10%	0.248%
60	16.536	2287	2289	2292	rBV4	9070	12083	1.97%	0.233%
61	16.565	2292	2294	2298	rVB5	12141	12996	2.12%	0.251%
62	17.006	2364	2369	2377	rVB2	56629	96690	15.74%	1.865%
63	17.188	2394	2400	2404	rBV	178577	280764	45.72%	5.416%
64	17.364	2428	2430	2431	rBV2	8553	6202	1.01%	0.120%
65	18.087	2549	2553	2562	rVB6	58171	111572	18.17%	2.152%
66	18.246	2578	2580	2585	rVB4	17982	20740	3.38%	0.400%
67	18.810	2672	2676	2679	rVB2	39757	47576	7.75%	0.918%
68	19.239	2745	2749	2753	rBV	72715	102514	16.69%	1.977%
69	19.297	2755	2759	2765	rVB2	125711	173812	28.30%	3.353%
70	19.603	2807	2811	2820	rVB	66055	125237	20.39%	2.416%
71	19.767	2836	2839	2841	rBV4	22928	29263	4.77%	0.564%
72	19.803	2841	2845	2854	rVB	465585	614103	100.00%	11.845%
73	20.020	2878	2882	2887	rBV	94443	118423	19.28%	2.284%
74	21.413	3112	3119	3124	rBV2	224030	398716	64.93%	7.691%
75	24.391	3621	3626	3635	rVB2	123928	300384	48.91%	5.794%
76	28.351	4298	4300	4304	rVB5	8037	6605	1.08%	0.127%

Sample Results: **BG064537.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064537.D
Acq On : 17 Oct 2025 15:48
Operator : RC/JU
Sample : Q3363-01
Misc : 8270/625.1 SPIKE
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 5184446

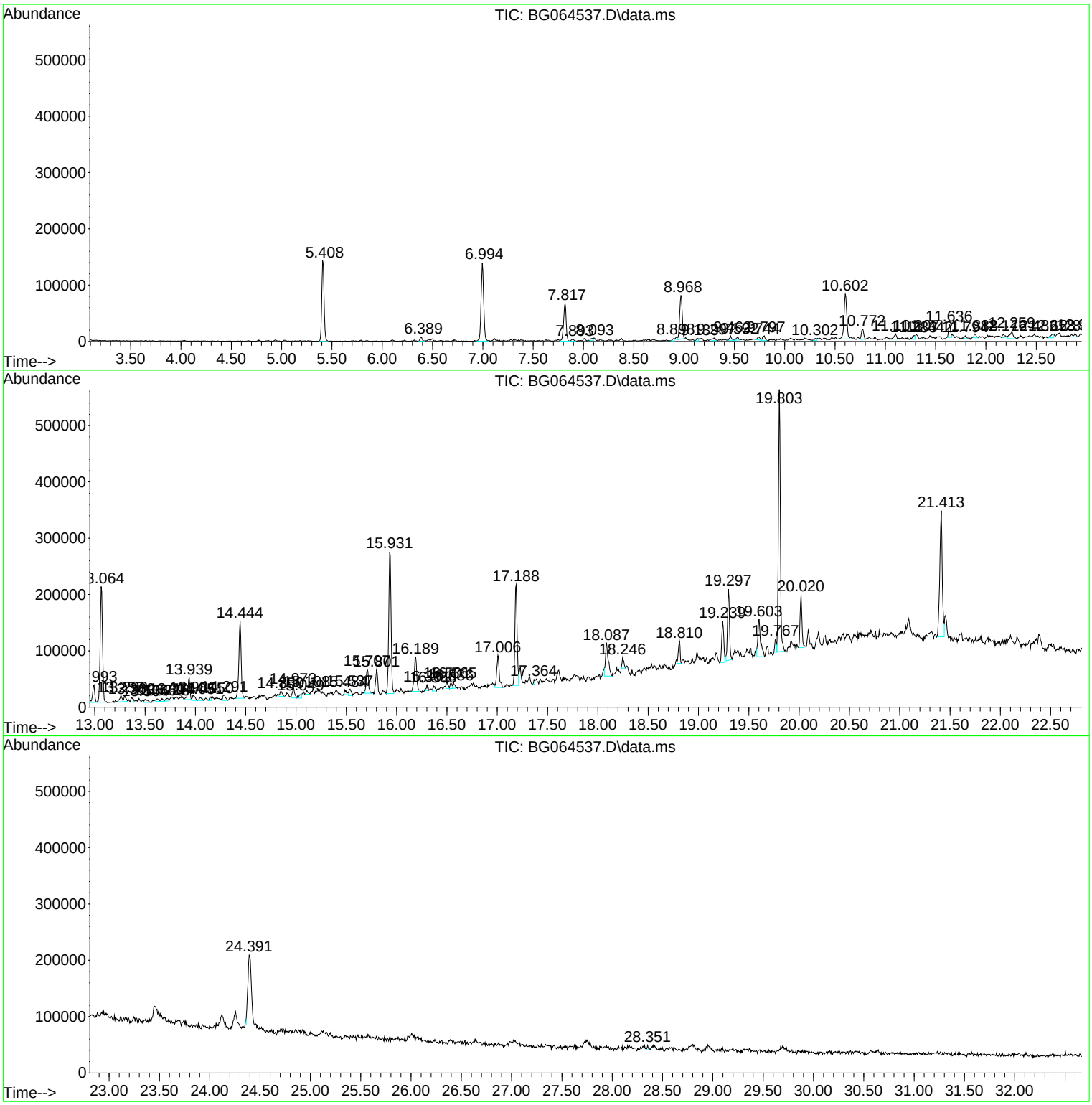
Sample Results: **BG064537.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064537.D
Acq On : 17 Oct 2025 15:48
Operator : RC/JU
Sample : Q3363-01
Misc : 8270/625.1 SPIKE
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064537.D
Acq On : 17 Oct 2025 15:48
Operator : RC/JU
Sample : Q3363-01
Misc : 8270/625.1 SPIKE
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

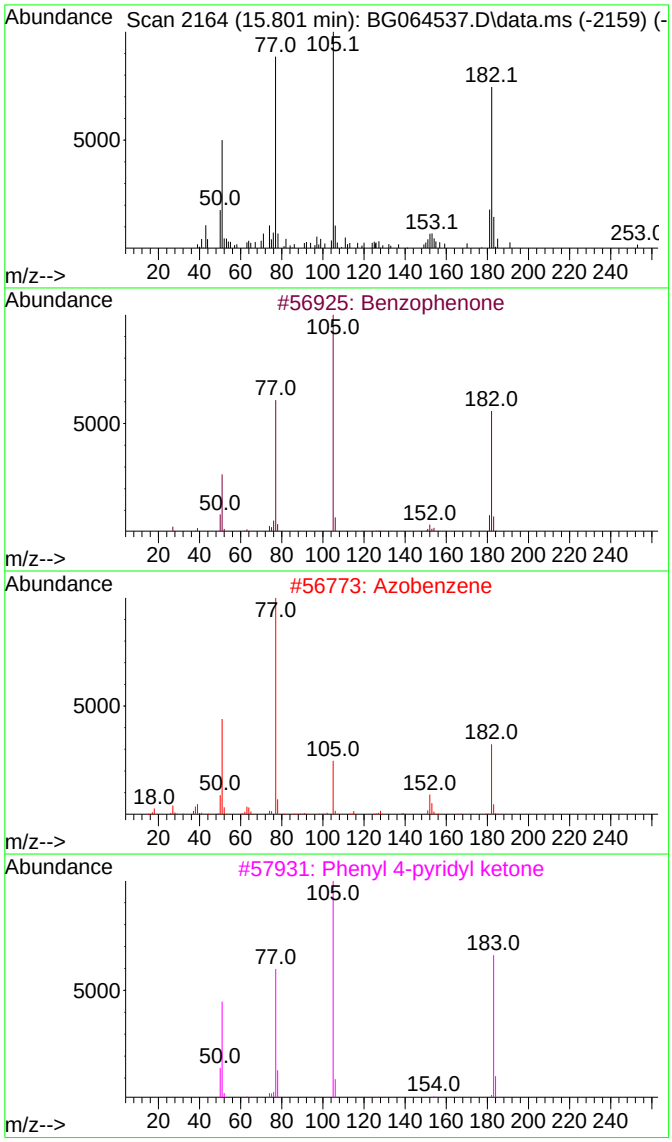
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

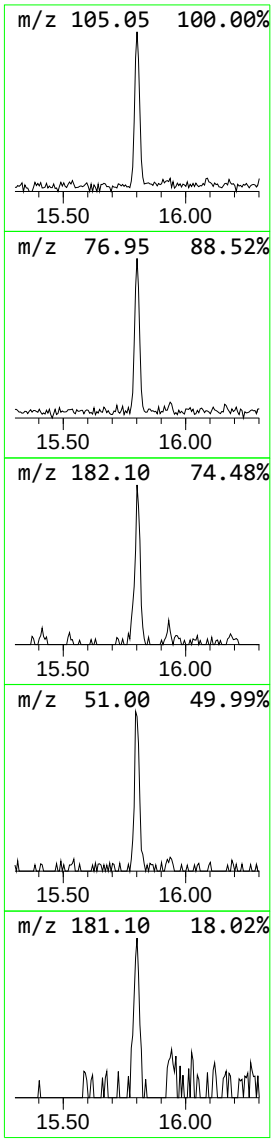
****

Peak Number 9 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.802	6.28 ng	69436	Acenaphthene-d10	14.444

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	91
2	Azobenzene	182	C12H10N2	000103-33-3	80
3	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
4	Benzamide, N-(1,3-dihydro-2-oxo-...	253	C15H11NO3	1010270-36-9	49
5	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064537.D
Acq On    : 17 Oct 2025  15:48
Operator  : RC/JU
Sample    : Q3363-01
Misc      : 8270/625.1 SPIKE
ALS Vial  : 8   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

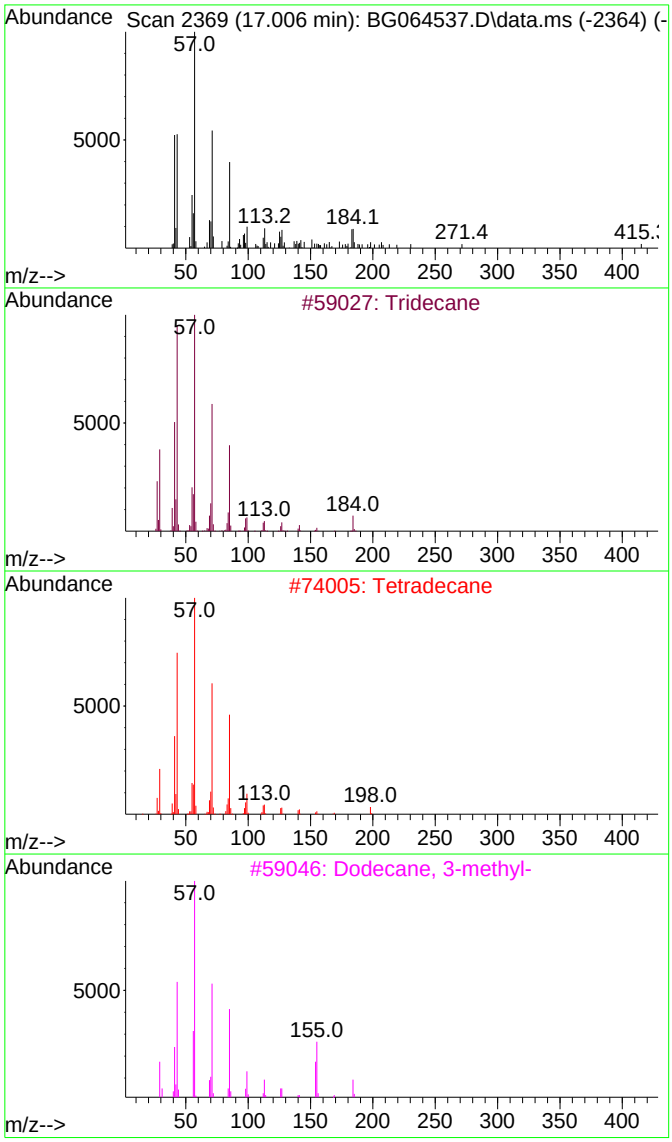
Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

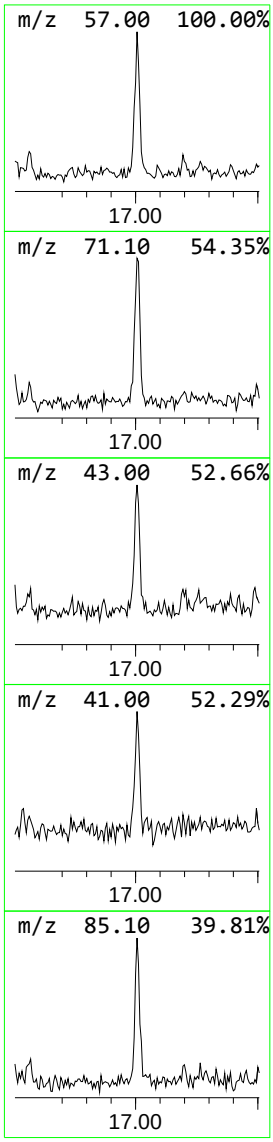
****

Peak Number 11 Tridecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.006	6.89 ng	96690	Phenanthrene-d10	17.188

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Tetradecane	198	C14H30	000629-59-4	87
3	Dodecane, 3-methyl-	184	C13H28	017312-57-1	83
4	Undecane	156	C11H24	001120-21-4	80
5	Nonadecane	268	C19H40	000629-92-5	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064537.D
Acq On : 17 Oct 2025 15:48
Operator : RC/JU
Sample : Q3363-01
Misc : 8270/625.1 SPIKE
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

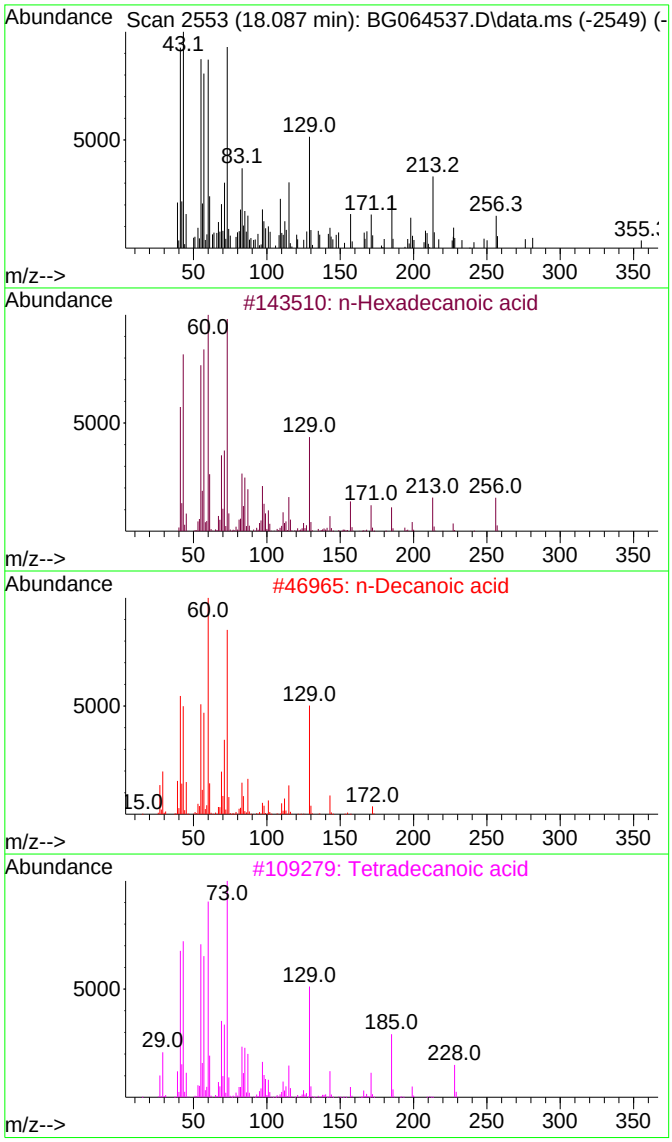
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

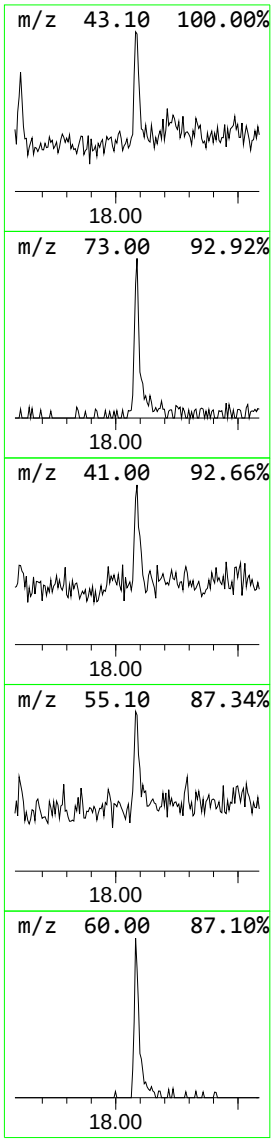
****

Peak Number 12 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.087	7.95 ng	111572	Phenanthrene-d10	17.188

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	n-Decanoic acid	172	C10H20O2	000334-48-5	90
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	70
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	58
5	Undecanoic acid	186	C11H22O2	000112-37-8	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064537.D
Acq On : 17 Oct 2025 15:48
Operator : RC/JU
Sample : Q3363-01
Misc : 8270/625.1 SPIKE
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

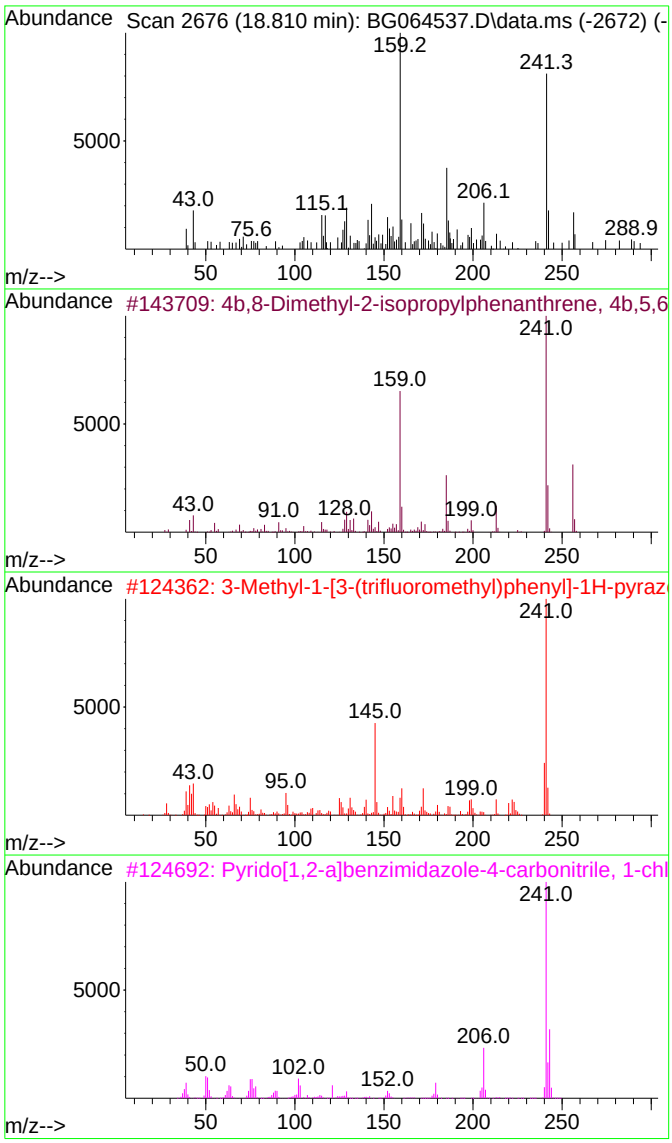
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

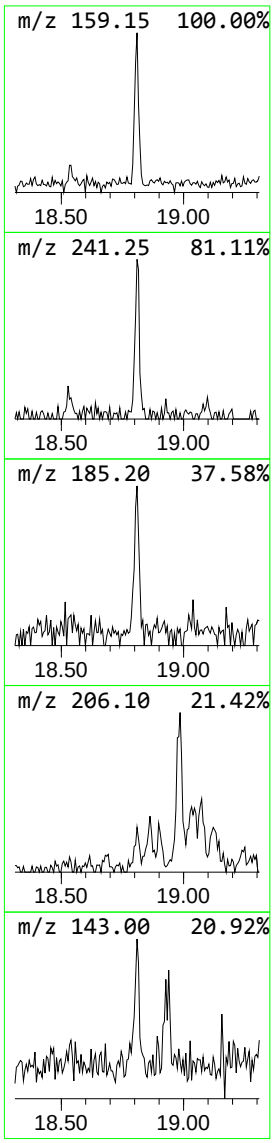
****

Peak Number 13 4b,8-Dimethyl-2-isopropylph... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.810	3.39 ng	47576	Phenanthrene-d10	17.188

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	90
2	3-Methyl-1-[3-(trifluoromethyl)p...	241	C11H10F3N3	000345-07-3	25
3	Pyrido[1,2-a]benzimidazole-4-car...	241	C13H8ClN3	121105-78-0	25
4	Naphthalene, 1,2,3,4-tetrahydro-...	202	C15H22	000483-77-2	22
5	cis-Calamenene	202	C15H22	072937-55-4	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064537.D
Acq On : 17 Oct 2025 15:48
Operator : RC/JU
Sample : Q3363-01
Misc : 8270/625.1 SPIKE
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

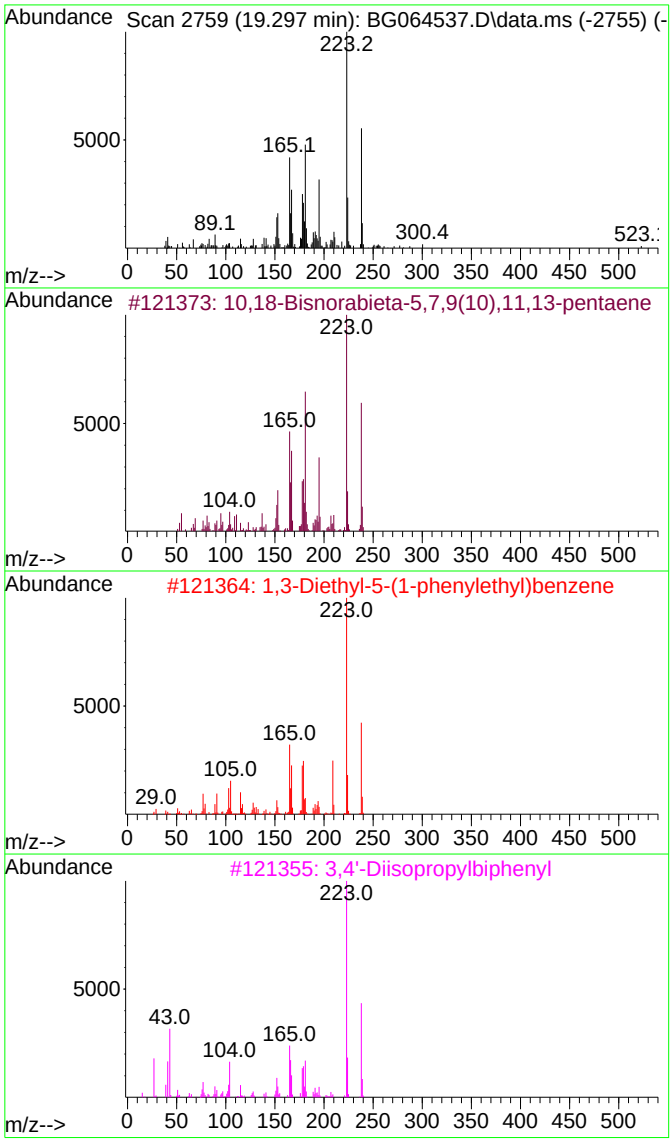
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

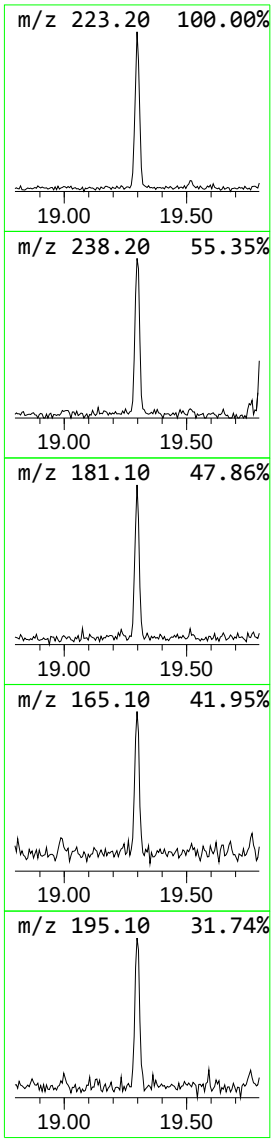
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.297	12.38 ng	173812	Phenanthrene-d10	17.188

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	1,3-Diethyl-5-(1-phenylethyl)ben...	238	C18H22	1000482-32-6	93
3	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	58
4	3,3'-Diacetylbiphenyl	238	C16H14O2	094113-07-2	45
5	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064537.D
Acq On : 17 Oct 2025 15:48
Operator : RC/JU
Sample : Q3363-01
Misc : 8270/625.1 SPIKE
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

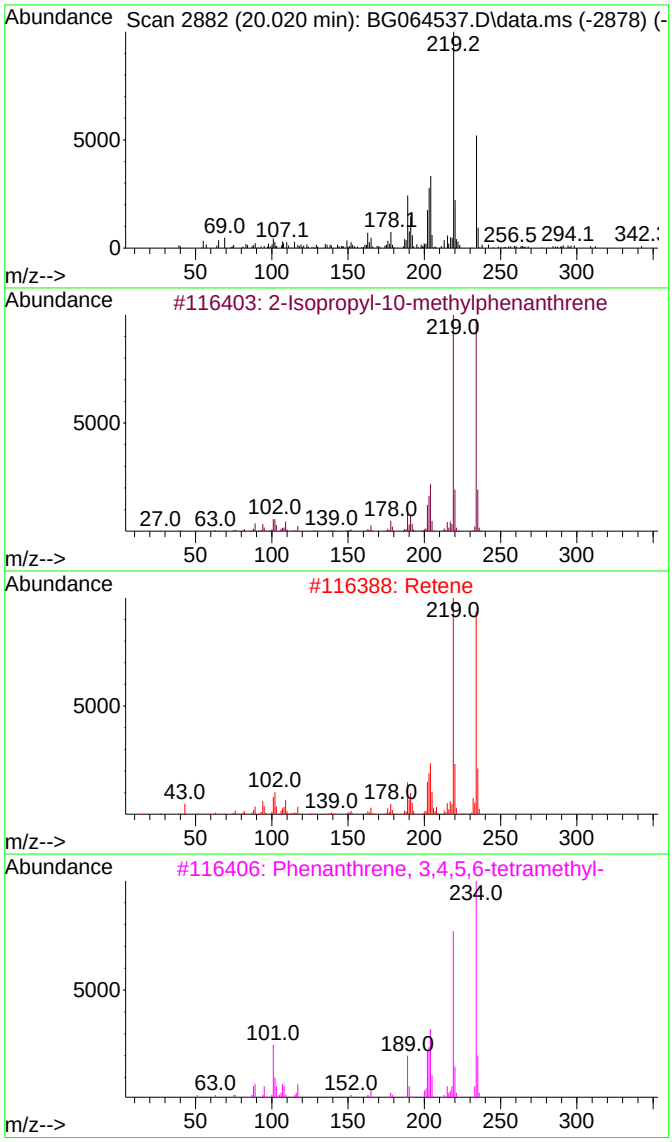
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

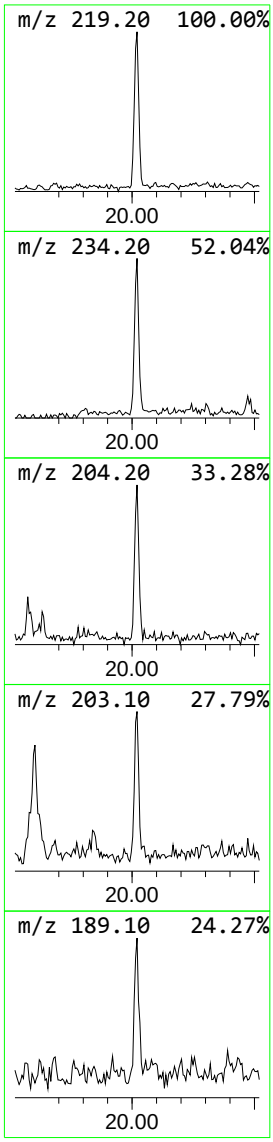
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 2-Isopropyl-10-methylphenan... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.020	5.94 ng	118423	Chrysene-d12	21.413

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	97
2	Retene	234	C18H18	000483-65-8	94
3	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	70
4	Anthracene, 2-(1,1-dimethylethyl)-	234	C18H18	018801-00-8	64
5	3,5-di-tert-Butyl-4-hydroxybenza...	234	C15H22O2	001620-98-0	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064537.D
Acq On : 17 Oct 2025 15:48
Operator : RC/JU
Sample : Q3363-01
Misc : 8270/625.1 SPIKE
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	15.802	6.3	ng	69436	3	14.444	220960	20.0
Tridecane	17.006	6.9	ng	96690	4	17.188	280764	20.0
n-Hexadecanoic ...	18.087	8.0	ng	111572	4	17.188	280764	20.0
4b,8-Dimethyl-2...	18.810	3.4	ng	47576	4	17.188	280764	20.0
10,18-Bisnorabi...	19.297	12.4	ng	173812	4	17.188	280764	20.0
2-Isopropyl-10-...	20.020	5.9	ng	118423	5	21.413	398716	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-039085-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	56.6
Sample Wt/Vol:	30.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	580	U	1	270	580	ug/Kg	10/17/25 19:12	PB170144
108-95-2	Phenol	300	U	1	38.9	300	ug/Kg	10/17/25 19:12	PB170144
111-44-4	bis(2-Chloroethyl)ether	300	U	1	42.8	300	ug/Kg	10/17/25 19:12	PB170144
95-57-8	2-Chlorophenol	300	U	1	43.0	300	ug/Kg	10/17/25 19:12	PB170144
95-48-7	2-Methylphenol	300	U	1	52.7	300	ug/Kg	10/17/25 19:12	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	300	U	1	66.1	300	ug/Kg	10/17/25 19:12	PB170144
98-86-2	Acetophenone	300	U	1	52.0	300	ug/Kg	10/17/25 19:12	PB170144
65794-96-9	3+4-Methylphenols	580	U	1	72.4	580	ug/Kg	10/17/25 19:12	PB170144
621-64-7	n-Nitroso-di-n-propylamine	140	U	1	83.5	140	ug/Kg	10/17/25 19:12	PB170144
67-72-1	Hexachloroethane	300	U	1	31.0	300	ug/Kg	10/17/25 19:12	PB170144
98-95-3	Nitrobenzene	300	U	1	32.2	300	ug/Kg	10/17/25 19:12	PB170144
78-59-1	Isophorone	300	U	1	57.8	300	ug/Kg	10/17/25 19:12	PB170144
88-75-5	2-Nitrophenol	300	U	1	100	300	ug/Kg	10/17/25 19:12	PB170144
105-67-9	2,4-Dimethylphenol	300	U	1	110	300	ug/Kg	10/17/25 19:12	PB170144
111-91-1	bis(2-Chloroethoxy)methane	300	U	1	54.3	300	ug/Kg	10/17/25 19:12	PB170144
120-83-2	2,4-Dichlorophenol	300	U	1	49.9	300	ug/Kg	10/17/25 19:12	PB170144
91-20-3	Naphthalene	300	U	1	40.0	300	ug/Kg	10/17/25 19:12	PB170144
106-47-8	4-Chloroaniline	300	U	1	62.4	300	ug/Kg	10/17/25 19:12	PB170144
87-68-3	Hexachlorobutadiene	300	U	1	44.6	300	ug/Kg	10/17/25 19:12	PB170144
105-60-2	Caprolactam	580	U	1	91.8	580	ug/Kg	10/17/25 19:12	PB170144
59-50-7	4-Chloro-3-methylphenol	300	U	1	50.6	300	ug/Kg	10/17/25 19:12	PB170144
91-57-6	2-Methylnaphthalene	300	U	1	45.1	300	ug/Kg	10/17/25 19:12	PB170144
77-47-4	Hexachlorocyclopentadiene	580	U	1	200	580	ug/Kg	10/17/25 19:12	PB170144
88-06-2	2,4,6-Trichlorophenol	300	U	1	34.9	300	ug/Kg	10/17/25 19:12	PB170144
95-95-4	2,4,5-Trichlorophenol	300	U	1	51.3	300	ug/Kg	10/17/25 19:12	PB170144
92-52-4	1,1-Biphenyl	300	U	1	38.4	300	ug/Kg	10/17/25 19:12	PB170144
91-58-7	2-Chloronaphthalene	300	U	1	39.6	300	ug/Kg	10/17/25 19:12	PB170144
88-74-4	2-Nitroaniline	300	U	1	84.7	300	ug/Kg	10/17/25 19:12	PB170144
131-11-3	Dimethylphthalate	300	U	1	47.7	300	ug/Kg	10/17/25 19:12	PB170144
208-96-8	Acenaphthylene	300	U	1	50.9	300	ug/Kg	10/17/25 19:12	PB170144
606-20-2	2,6-Dinitrotoluene	300	U	1	59.2	300	ug/Kg	10/17/25 19:12	PB170144
99-09-2	3-Nitroaniline	300	U	1	81.0	300	ug/Kg	10/17/25 19:12	PB170144
83-32-9	Acenaphthene	150	J	1	37.5	300	ug/Kg	10/17/25 19:12	PB170144
51-28-5	2,4-Dinitrophenol	580	U	1	400	580	ug/Kg	10/17/25 19:12	PB170144
100-02-7	4-Nitrophenol	580	U	1	190	580	ug/Kg	10/17/25 19:12	PB170144
132-64-9	Dibenzofuran	300	U	1	40.0	300	ug/Kg	10/17/25 19:12	PB170144
121-14-2	2,4-Dinitrotoluene	300	U	1	88.3	300	ug/Kg	10/17/25 19:12	PB170144
84-66-2	Diethylphthalate	300	U	1	49.9	300	ug/Kg	10/17/25 19:12	PB170144
7005-72-3	4-Chlorophenyl-phenylether	300	U	1	47.0	300	ug/Kg	10/17/25 19:12	PB170144
86-73-7	Fluorene	180	J	1	44.6	300	ug/Kg	10/17/25 19:12	PB170144
100-01-6	4-Nitroaniline	300	U	1	110	300	ug/Kg	10/17/25 19:12	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	580	U	1	180	580	ug/Kg	10/17/25 19:12	PB170144

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-039085-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	56.6
Sample Wt/Vol:	30.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	300	U	1	58.0	300	ug/Kg	10/17/25 19:12	PB170144
101-55-3	4-Bromophenyl-phenylether	300	U	1	49.0	300	ug/Kg	10/17/25 19:12	PB170144
118-74-1	Hexachlorobenzene	300	U	1	44.6	300	ug/Kg	10/17/25 19:12	PB170144
1912-24-9	Atrazine	300	U	1	59.9	300	ug/Kg	10/17/25 19:12	PB170144
87-86-5	Pentachlorophenol	580	U	1	90.4	580	ug/Kg	10/17/25 19:12	PB170144
85-01-8	Phenanthrene	390		1	36.8	300	ug/Kg	10/17/25 19:12	PB170144
120-12-7	Anthracene	250	J	1	58.7	300	ug/Kg	10/17/25 19:12	PB170144
86-74-8	Carbazole	300	U	1	55.0	300	ug/Kg	10/17/25 19:12	PB170144
84-74-2	Di-n-butylphthalate	300	U	1	84.4	300	ug/Kg	10/17/25 19:12	PB170144
206-44-0	Fluoranthene	410		1	52.8	300	ug/Kg	10/17/25 19:12	PB170144
129-00-0	Pyrene	350		1	63.4	300	ug/Kg	10/17/25 19:12	PB170144
85-68-7	Butylbenzylphthalate	300	U	1	130	300	ug/Kg	10/17/25 19:12	PB170144
91-94-1	3,3-Dichlorobenzidine	580	U	1	64.6	580	ug/Kg	10/17/25 19:12	PB170144
56-55-3	Benzo(a)anthracene	170	J	1	40.5	300	ug/Kg	10/17/25 19:12	PB170144
218-01-9	Chrysene	210	J	1	35.1	300	ug/Kg	10/17/25 19:12	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	450		1	100	300	ug/Kg	10/17/25 19:12	PB170144
117-84-0	Di-n-octyl phthalate	580	U	1	150	580	ug/Kg	10/17/25 19:12	PB170144
205-99-2	Benzo(b)fluoranthene	220	J	1	33.5	300	ug/Kg	10/17/25 19:12	PB170144
207-08-9	Benzo(k)fluoranthene	300	U	1	39.5	300	ug/Kg	10/17/25 19:12	PB170144
50-32-8	Benzo(a)pyrene	180	J	1	52.0	300	ug/Kg	10/17/25 19:12	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	300	U	1	51.3	300	ug/Kg	10/17/25 19:12	PB170144
53-70-3	Dibenzo(a,h)anthracene	300	U	1	48.3	300	ug/Kg	10/17/25 19:12	PB170144
191-24-2	Benzo(g,h,i)perylene	300	U	1	45.3	300	ug/Kg	10/17/25 19:12	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	300	U	1	45.1	300	ug/Kg	10/17/25 19:12	PB170144
123-91-1	1,4-Dioxane	300	U	1	79.6	300	ug/Kg	10/17/25 19:12	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	300	U	1	48.3	300	ug/Kg	10/17/25 19:12	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	92.7			18 - 112	62%	SPK: 150		
13127-88-3	Phenol-d6	85.0			15 - 107	57%	SPK: 150		
4165-60-0	Nitrobenzene-d5	54.5			18 - 107	54%	SPK: 100		
321-60-8	2-Fluorobiphenyl	53.8			20 - 109	54%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	92.0			10 - 116	61%	SPK: 150		
1718-51-0	Terphenyl-d14	51.9			10 - 105	52%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	14400							
1146-65-2	Naphthalene-d8	59300							
15067-26-2	Acenaphthene-d10	41900							
1517-22-2	Phenanthrene-d10	103000							
1719-03-5	Chrysene-d12	116000							
1520-96-3	Perylene-d12	132000							
TENTATIVE IDENTIFIED COMPOUNDS									
003891-99-4	2,6,10-Trimethyltridecane	380	J			13.9	ug/Kg		
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	270	J			14.3	ug/Kg		

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-039085-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	56.6
Sample Wt/Vol:	30.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000119-61-9	Benzophenone	510	J			15.8	ug/Kg		
006975-98-0	Decane, 2-methyl-	880	J			16.2	ug/Kg		
007396-38-5	Phenanthrene, 2,4,5,7-tetramethyl-	240	J			20.0	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064542.D
Acq On : 17 Oct 2025 19:12
Operator : RC/JU
Sample : Q3363-02
Misc : 8270/625.1 SPIKE
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

Quant Time: Oct 17 23:22:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.818	152	14350	20.000	ng		0.00
21) Naphthalene-d8	10.603	136	59289	20.000	ng		0.00
39) Acenaphthene-d10	14.445	164	41893	20.000	ng		0.00
64) Phenanthrene-d10	17.189	188	102654	20.000	ng		0.00
76) Chrysene-d12	21.414	240	115906	20.000	ng		0.00
86) Perylene-d12	24.398	264	131885	20.000	ng		# 0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.409	112	71909	92.739	ng		0.00
7) Phenol-d6	6.995	99	88539	84.971	ng		0.00
23) Nitrobenzene-d5	8.970	82	60080	54.487	ng		0.00
42) 2,4,6-Tribromophenol	15.938	330	69882	92.026	ng		0.00
45) 2-Fluorobiphenyl	13.065	172	152882	53.791	ng		0.00
79) Terphenyl-d14	19.810	244	317816	51.893	ng		0.00
Target Compounds							Qvalue
52) Acenaphthene	14.510	154	5792	2.496	ng		86
58) Fluorene	15.497	166	9815	3.082	ng	#	81
71) Phenanthrene	17.230	178	35938	6.694	ng		98
72) Anthracene	17.319	178	22884m	4.249	ng		
75) Fluoranthene	19.252	202	44438	6.929	ng		91
78) Pyrene	19.604	202	44716	5.945	ng	#	93
81) Benzo(a)anthracene	21.390	228	21984	2.971	ng		94
83) Chrysene	21.455	228	24522m	3.494	ng		
84) Bis(2-ethylhexyl)phtha...	21.320	149	28940	7.692	ng	#	86
88) Benzo(b)fluoranthene	23.453	252	28308	3.773	ng	#	77
90) Benzo(a)pyrene	24.263	252	21239	3.071	ng	#	84

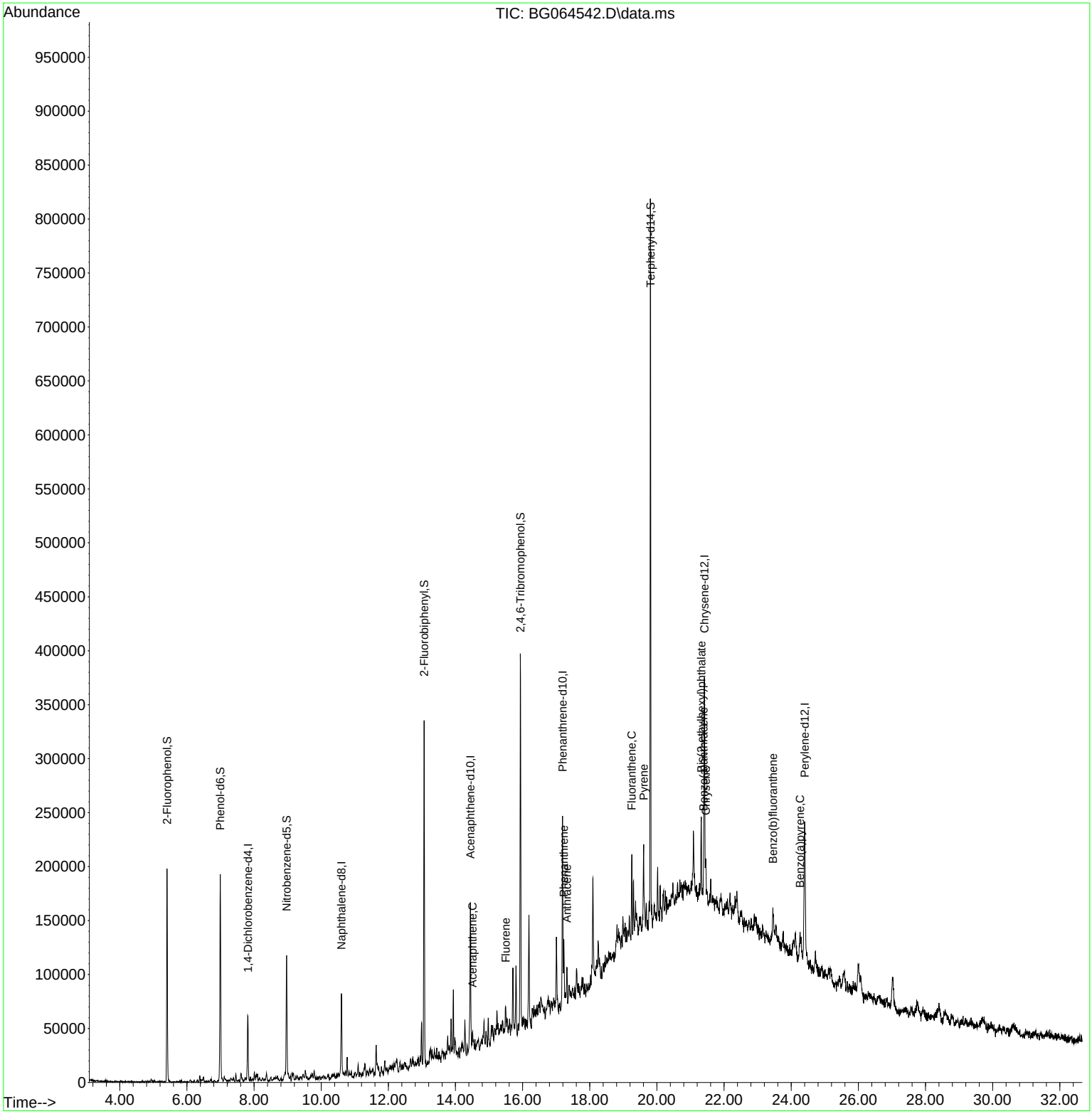
(#) = qualifier out of range (m) = manual integration (+) = signals summed

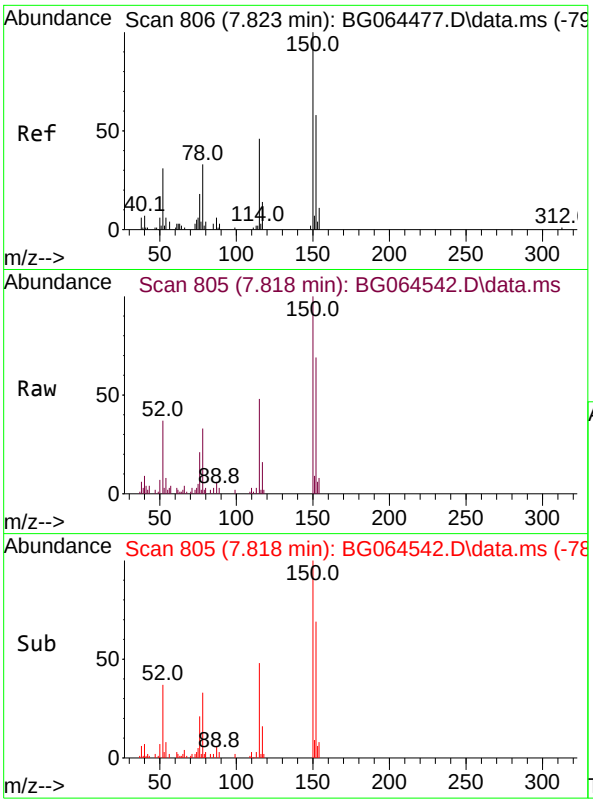
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064542.D
Acq On : 17 Oct 2025 19:12
Operator : RC/JU
Sample : Q3363-02
Misc : 8270/625.1 SPIKE
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 23:22:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

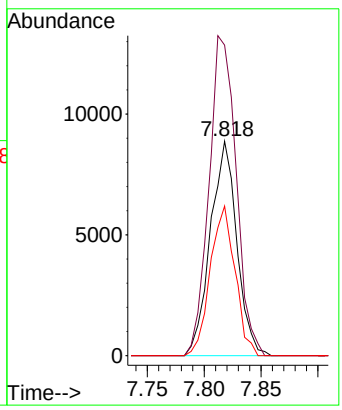




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.818 min Scan# 80
Delta R.T. -0.002 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

Tgt Ion:152 Resp: 1435

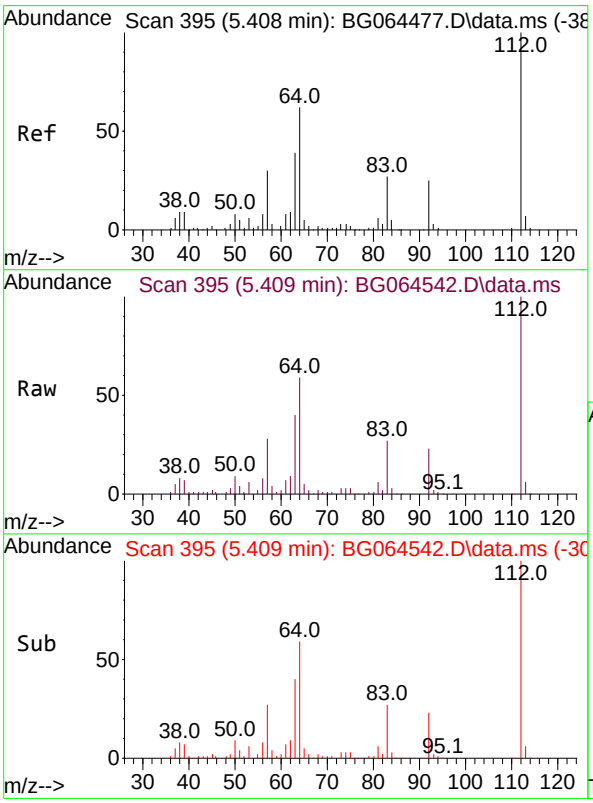
Ion	Ratio	Lower	Upper
152	100		
150	144.8	138.6	207.8
115	69.7	63.4	95.2



Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

Manual Integrations
APPROVED

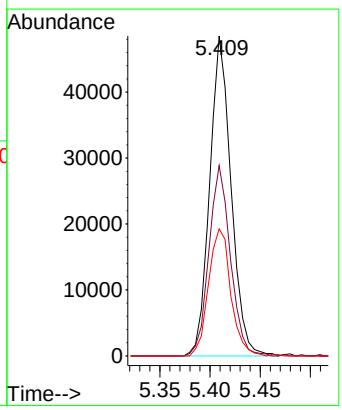
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

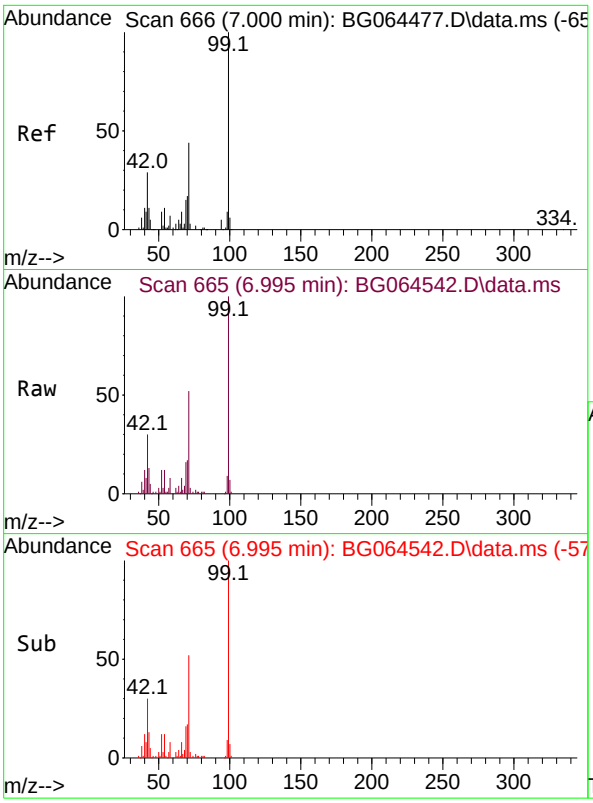


#5
2-Fluorophenol
Concen: 92.739 ng
RT: 5.409 min Scan# 395
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

Tgt Ion:112 Resp: 71909

Ion	Ratio	Lower	Upper
112	100		
64	59.5	49.8	74.8
63	39.7	31.3	46.9

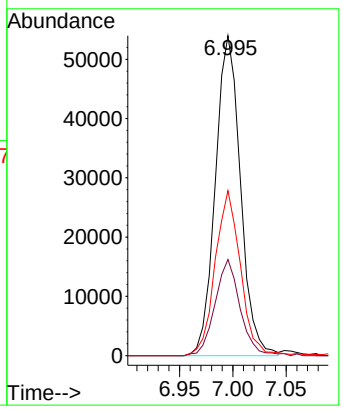




#7
Phenol-d6
Concen: 84.971 ng
RT: 6.995 min Scan# 6
Delta R.T. 0.009 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

Tgt Ion: 99 Resp: 8853

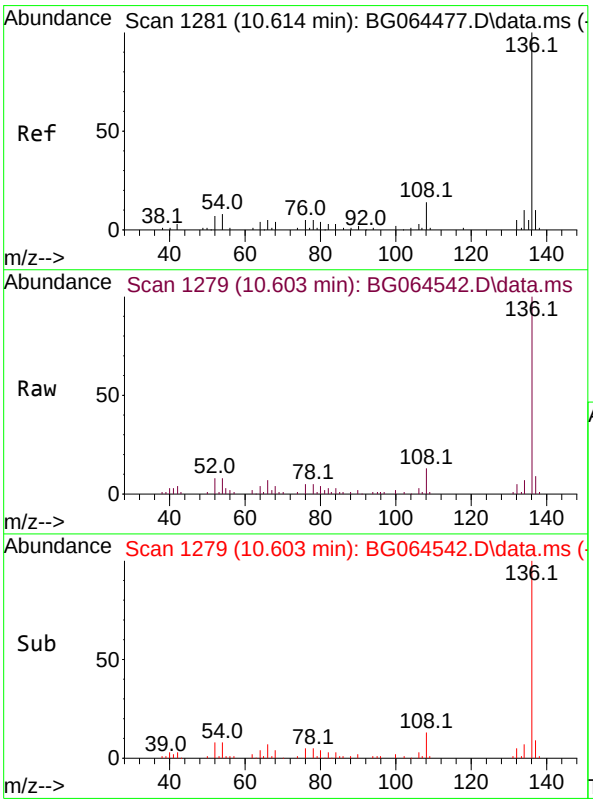
Ion	Ratio	Lower	Upper
99	100		
42	30.0	22.9	34.3
71	51.5	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

Manual Integrations APPROVED

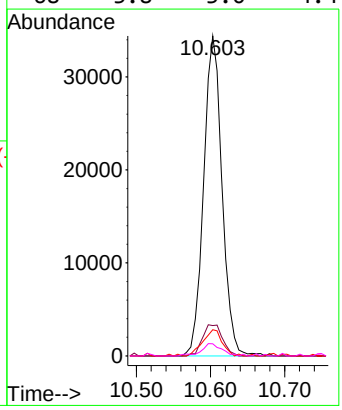
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

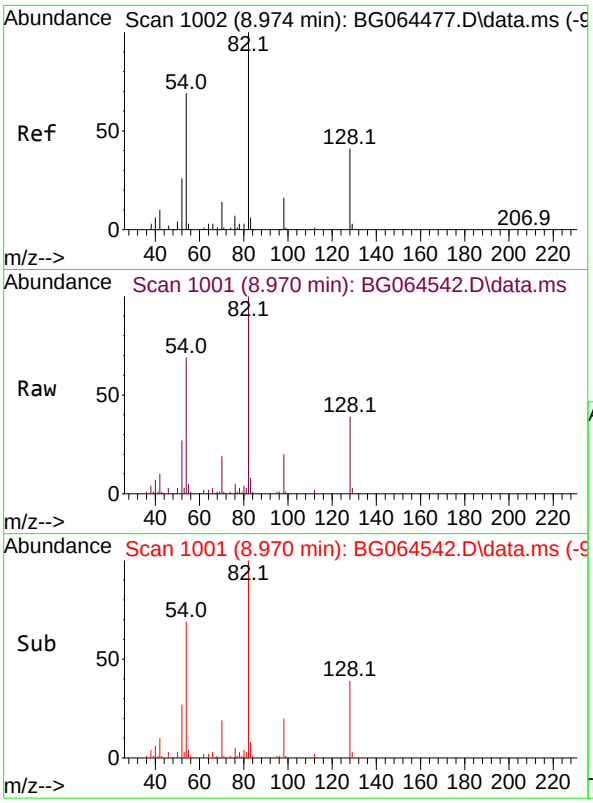


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.603 min Scan# 1279
Delta R.T. -0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

Tgt Ion:136 Resp: 59289

Ion	Ratio	Lower	Upper
136	100		
137	9.5	8.3	12.5
54	8.2	6.2	9.4
68	3.8	3.0	4.4

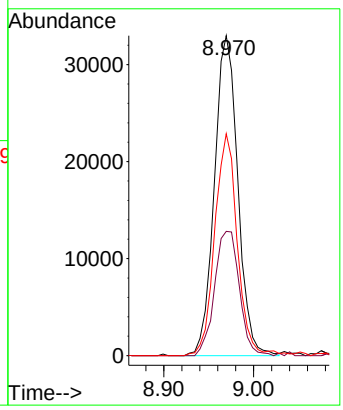




#23
Nitrobenzene-d5
Concen: 54.487 ng
RT: 8.970 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

Tgt Ion: 82 Resp: 6008

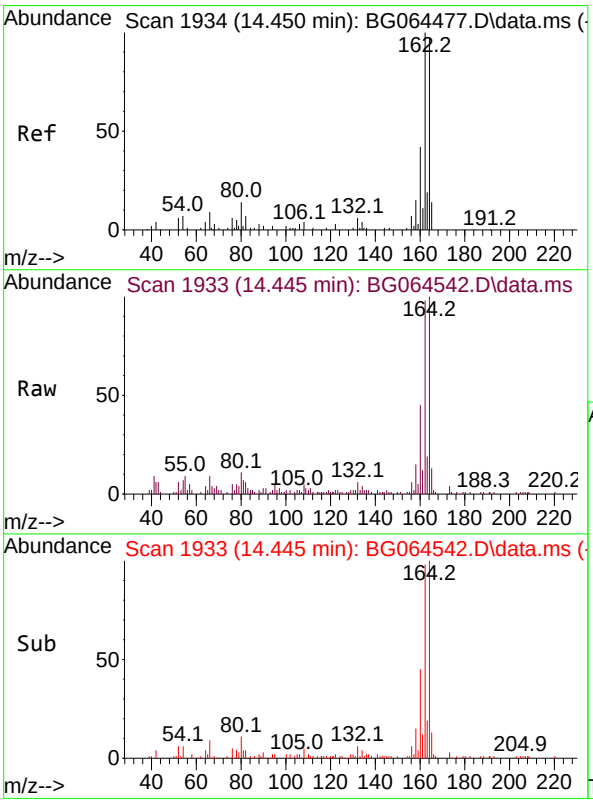
Ion	Ratio	Lower	Upper
82	100		
128	38.8	33.1	49.7
54	69.3	55.4	83.2



Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

Manual Integrations
APPROVED

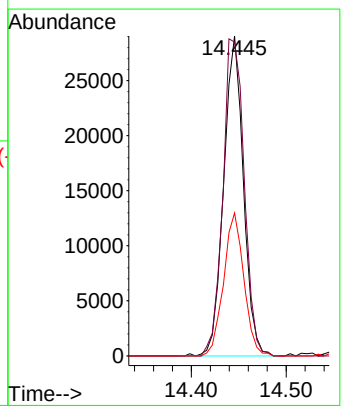
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

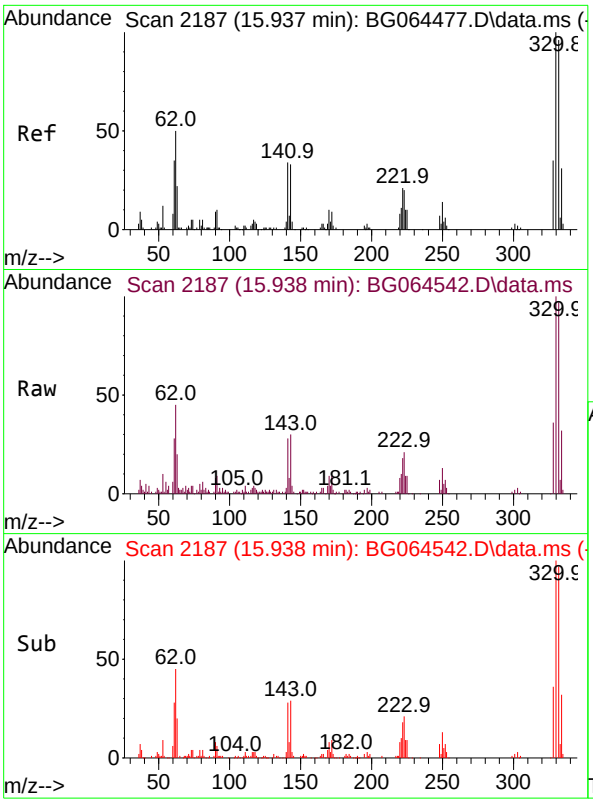


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1933
Delta R.T. -0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

Tgt Ion:164 Resp: 41893

Ion	Ratio	Lower	Upper
164	100		
162	98.1	82.2	123.2
160	44.7	34.3	51.5





#42
2,4,6-Tribromophenol
Concen: 92.026 ng
RT: 15.938 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

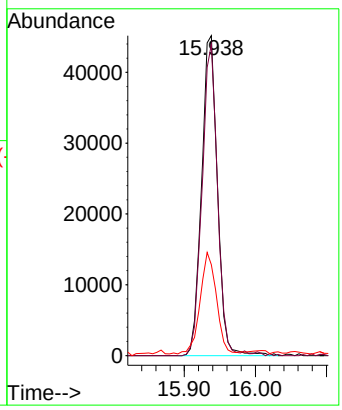
Tgt Ion:330 Resp: 6988

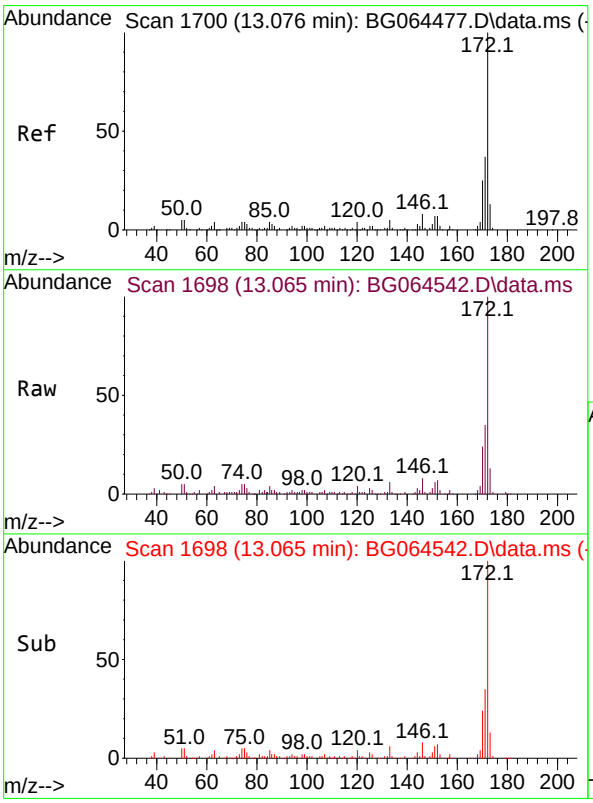
Ion	Ratio	Lower	Upper
330	100		
332	94.3	77.4	116.0
141	32.4	25.8	38.6

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

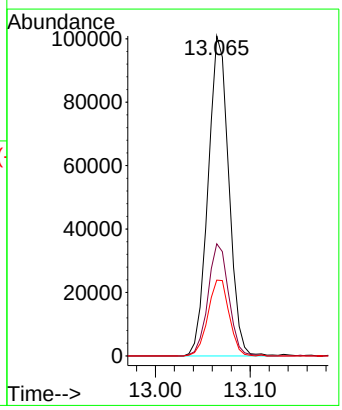


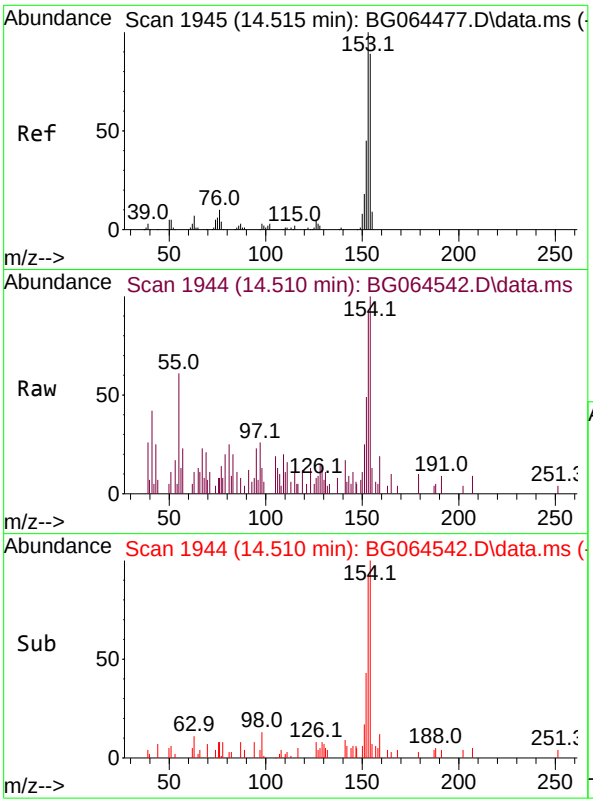


#45
2-Fluorobiphenyl
Concen: 53.791 ng
RT: 13.065 min Scan# 1698
Delta R.T. -0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

Tgt Ion:172 Resp: 152882

Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.6	44.4
170	23.7	20.2	30.2





#52
Acenaphthene
Concen: 2.496 ng
RT: 14.510 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

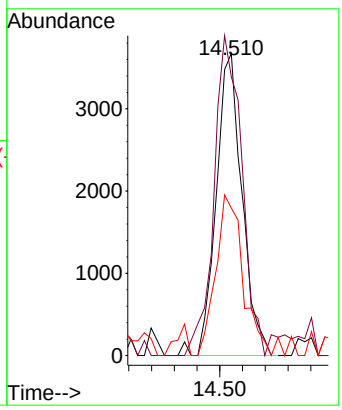
Tgt Ion:154 Resp: 5792

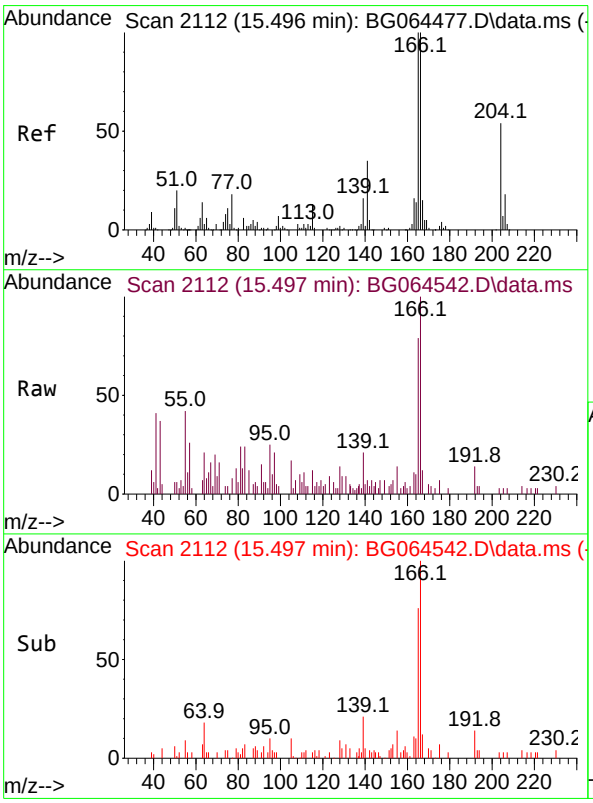
Ion	Ratio	Lower	Upper
154	100		
153	92.3	90.2	135.4
152	48.8	40.2	60.4

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

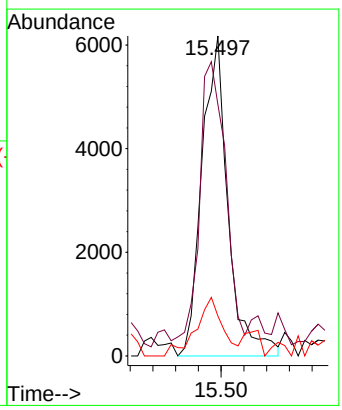


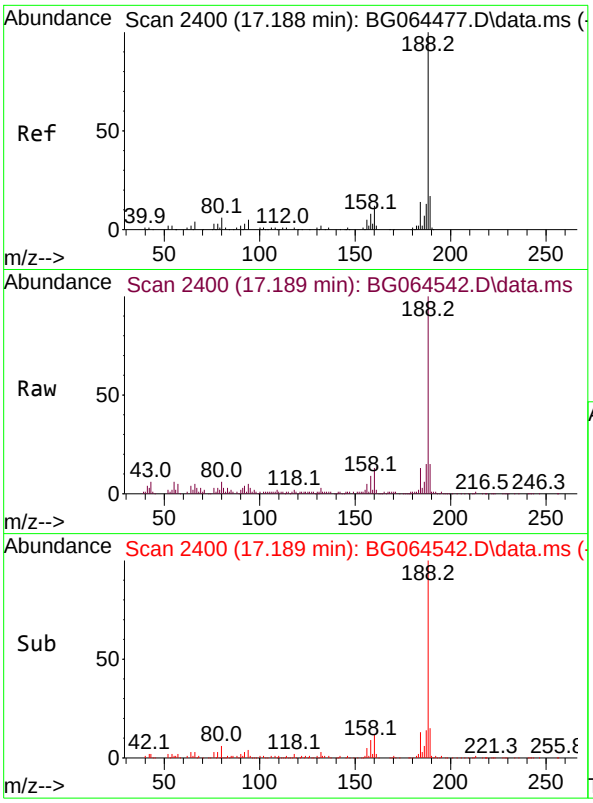


#58
Fluorene
Concen: 3.082 ng
RT: 15.497 min Scan# 2112
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

Tgt Ion:166 Resp: 9815

Ion	Ratio	Lower	Upper
166	100		
165	78.6	79.8	119.6#
167	12.5	11.7	17.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 24
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

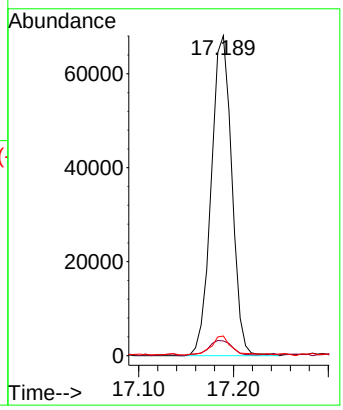
Tgt Ion:188 Resp: 10265

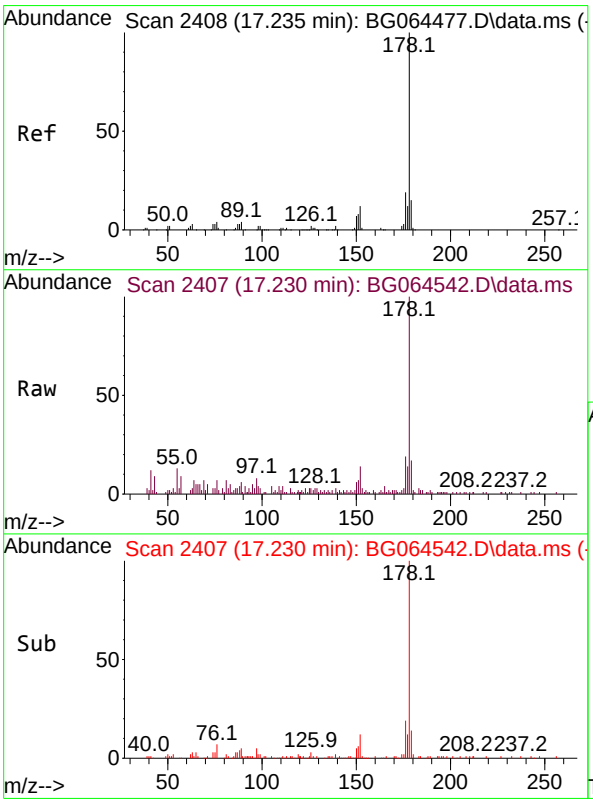
Ion	Ratio	Lower	Upper
188	100		
94	4.6	3.7	5.5
80	6.1	4.5	6.7

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

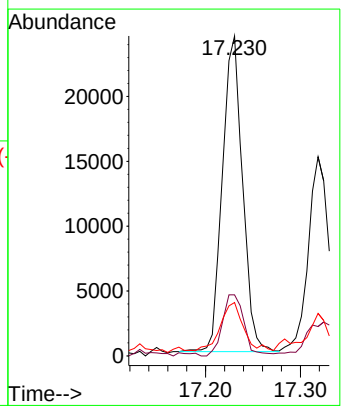


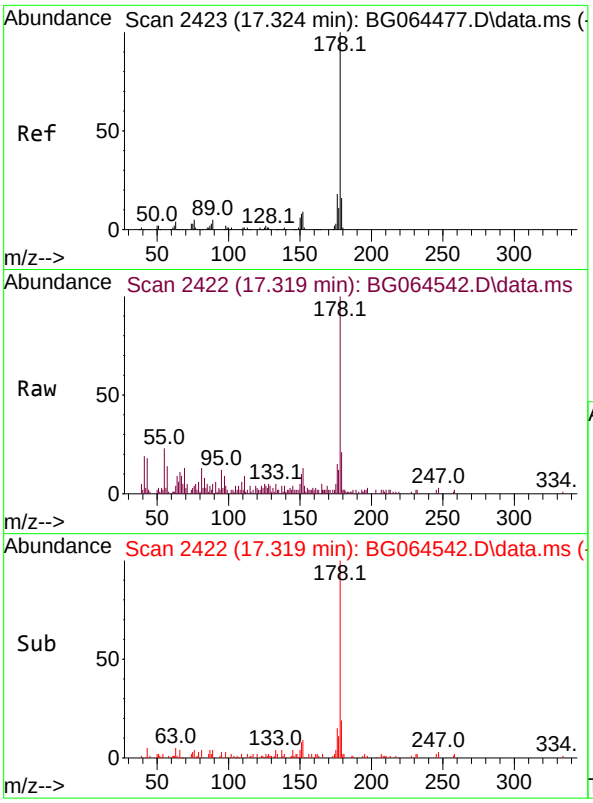


#71
Phenanthrene
Concen: 6.694 ng
RT: 17.230 min Scan# 2407
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

Tgt Ion:178 Resp: 35938

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	16.7	11.8	17.6

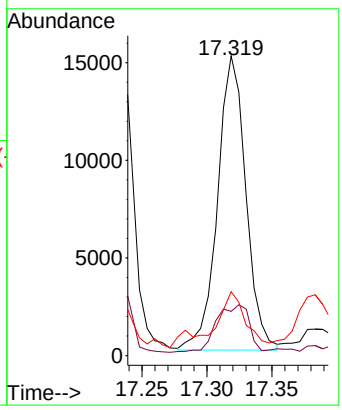




#72
Anthracene
Concen: 4.249 ng m
RT: 17.319 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

Tgt Ion:178 Resp: 2288

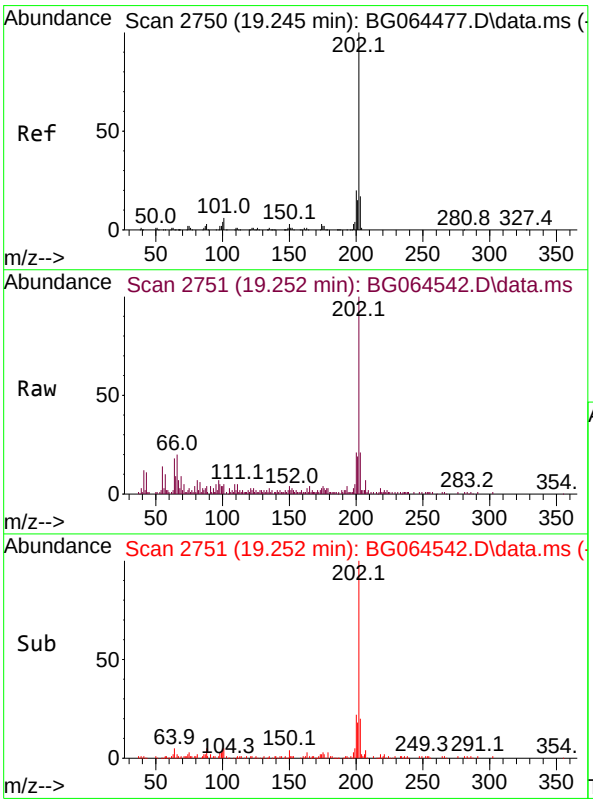
Ion	Ratio	Lower	Upper
178	100		
176	14.8	14.6	21.8
179	21.3	12.5	18.7



Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

Manual Integrations
APPROVED

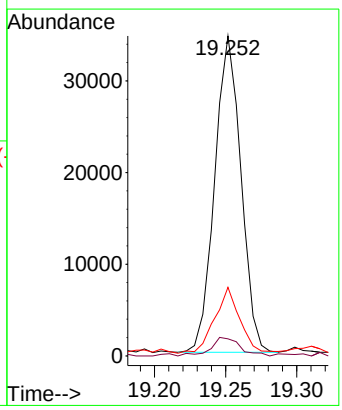
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

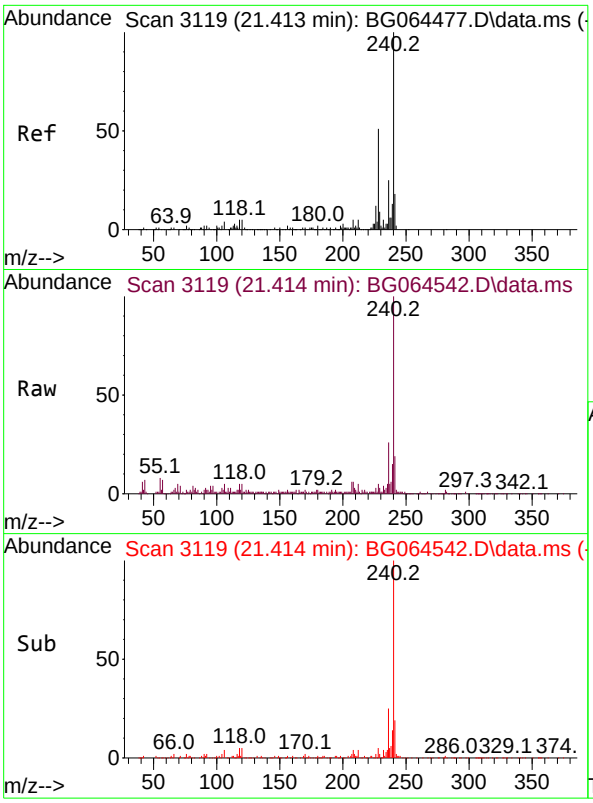


#75
Fluoranthene
Concen: 6.929 ng
RT: 19.252 min Scan# 2751
Delta R.T. 0.015 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

Tgt Ion:202 Resp: 44438

Ion	Ratio	Lower	Upper
202	100		
101	5.3	0.0	25.7
203	21.4	0.0	36.6

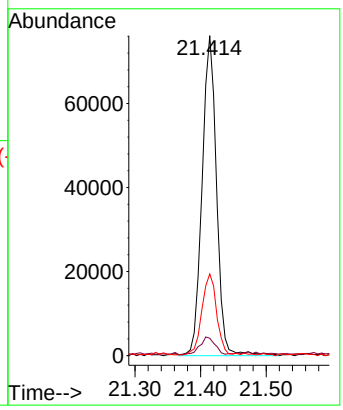




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.414 min Scan# 3
Delta R.T. 0.004 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

Tgt Ion:240 Resp: 11590

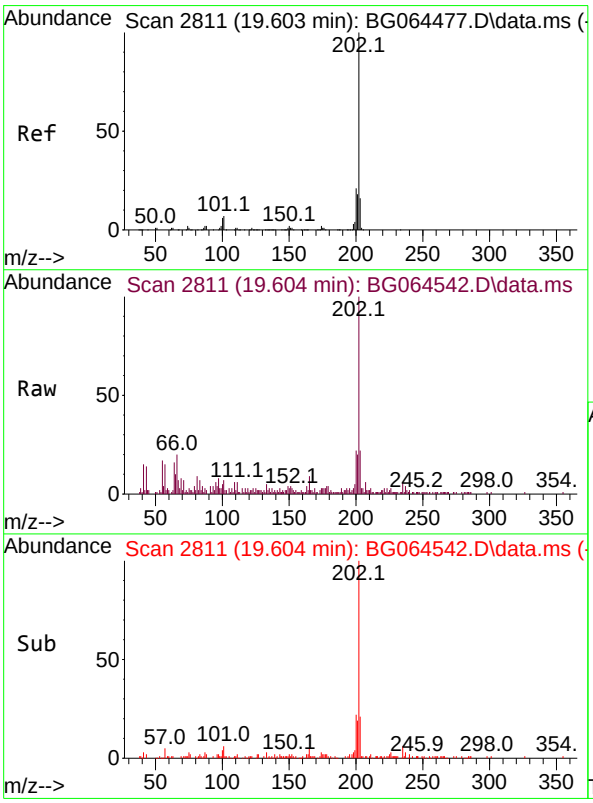
Ion	Ratio	Lower	Upper
240	100		
120	5.4	4.3	6.5
236	25.5	20.4	30.6



Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

Manual Integrations
APPROVED

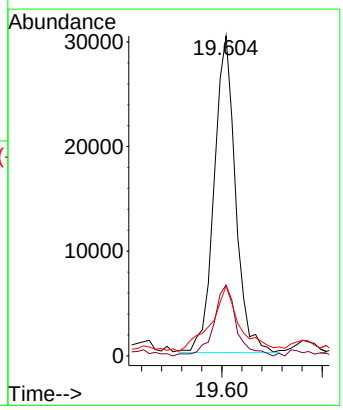
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

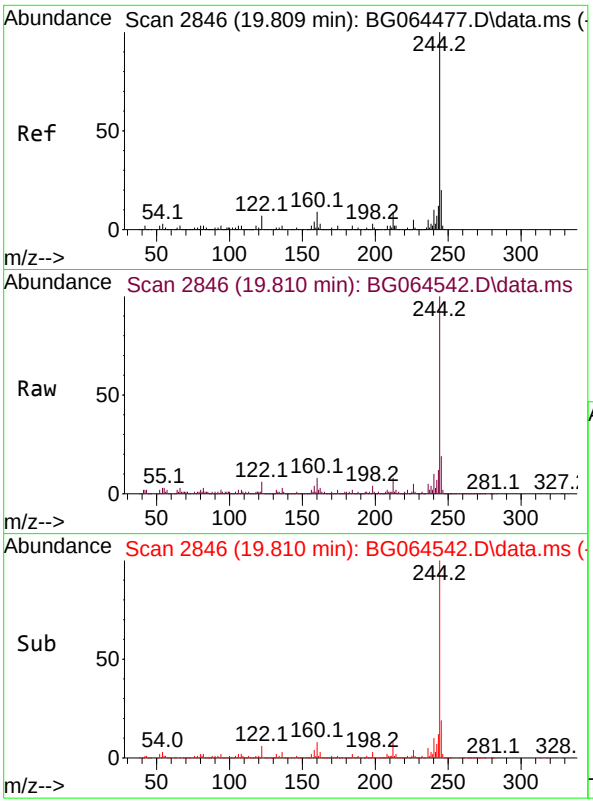


#78
Pyrene
Concen: 5.945 ng
RT: 19.604 min Scan# 2811
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

Tgt Ion:202 Resp: 44716

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.0	25.4
203	21.8	13.0	19.4#





#79
Terphenyl-d14
Concen: 51.893 ng
RT: 19.810 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

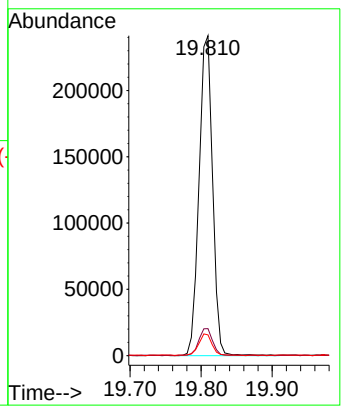
Tgt Ion:244 Resp: 31781

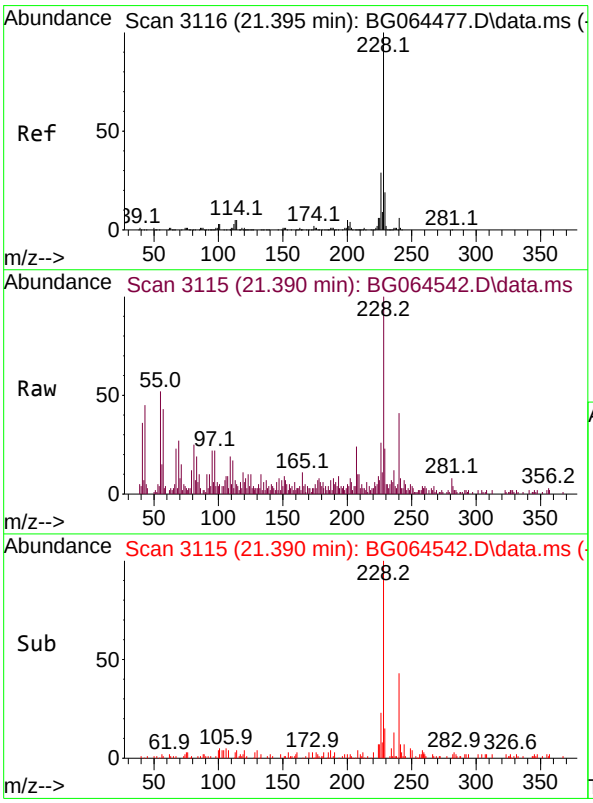
Ion	Ratio	Lower	Upper
244	100		
212	8.4	7.0	10.6
122	6.5	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

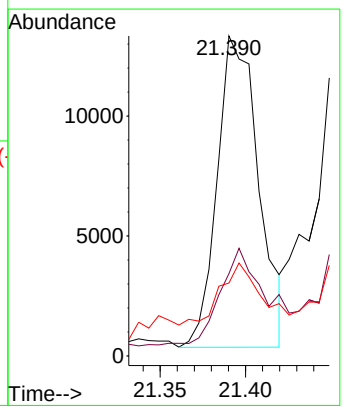


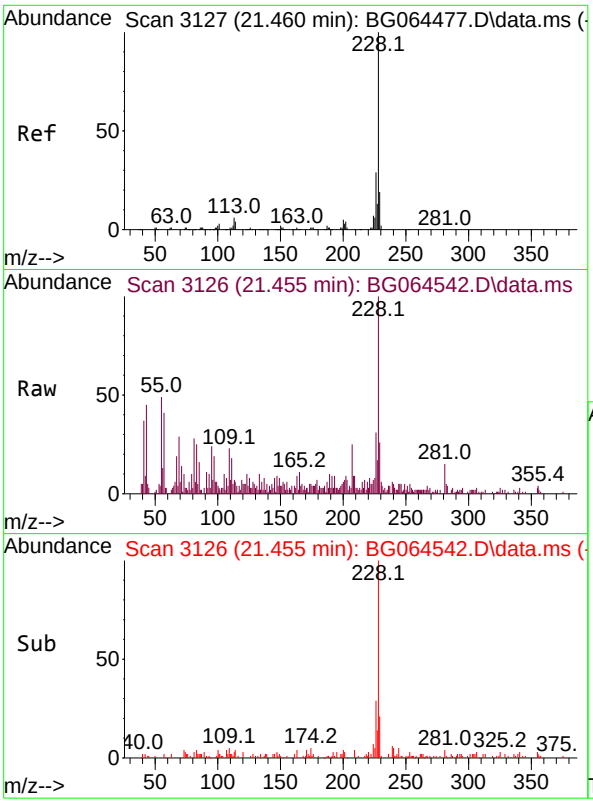


#81
Benzo(a)anthracene
Concen: 2.971 ng
RT: 21.390 min Scan# 3115
Delta R.T. -0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

Tgt Ion:228 Resp: 21984

Ion	Ratio	Lower	Upper
228	100		
226	25.7	22.8	34.2
229	22.8	15.2	22.8





#83
Chrysene
Concen: 3.494 ng m
RT: 21.455 min Scan# 31
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

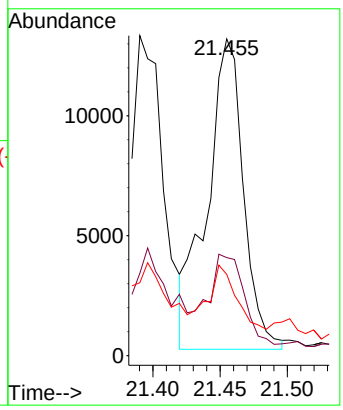
Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

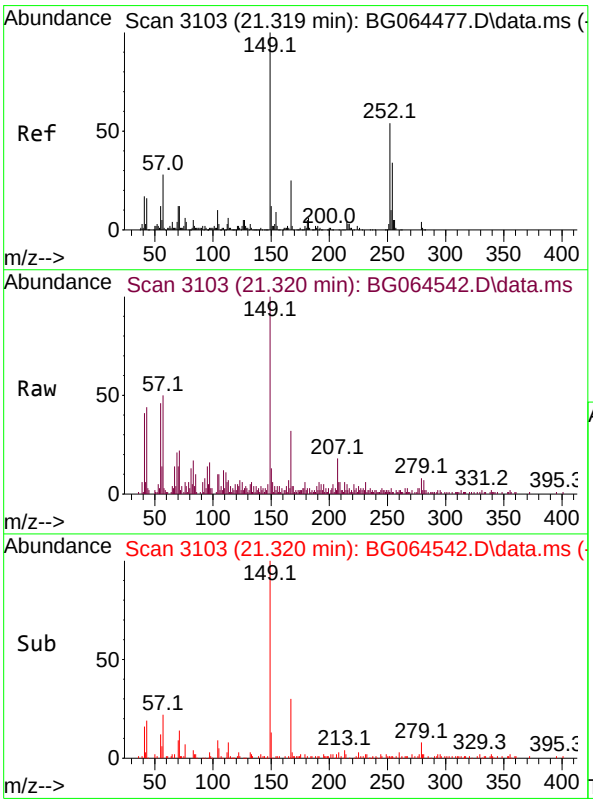
Tgt Ion:228 Resp: 2452

Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.8	34.2
229	25.6	15.4	23.0#

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

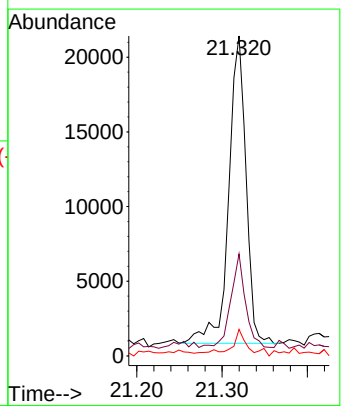


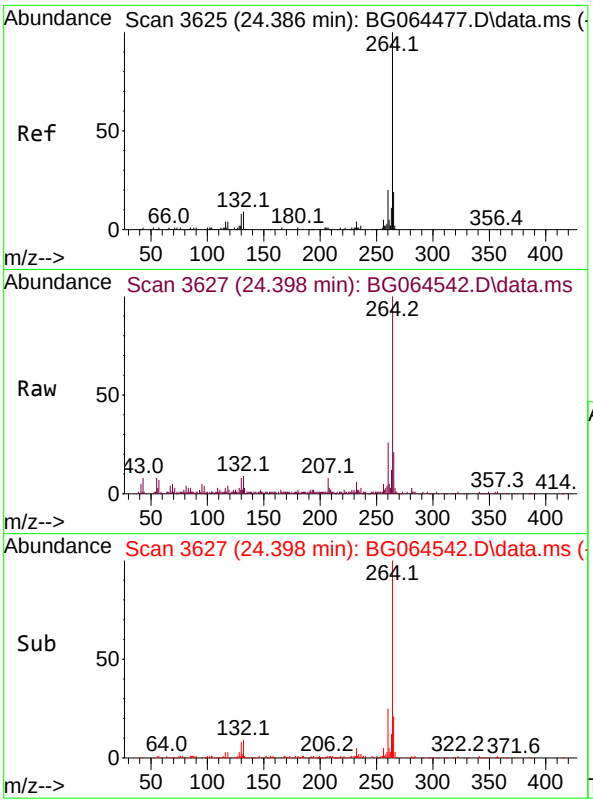


#84
Bis(2-ethylhexyl)phthalate
Concen: 7.692 ng
RT: 21.320 min Scan# 3103
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

Tgt Ion:149 Resp: 28940

Ion	Ratio	Lower	Upper
149	100		
167	31.9	19.7	29.5#
279	8.3	3.4	5.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.398 min Scan# 3
Delta R.T. 0.009 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

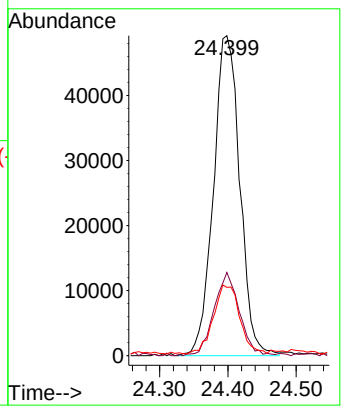
Tgt Ion:264 Resp: 13188

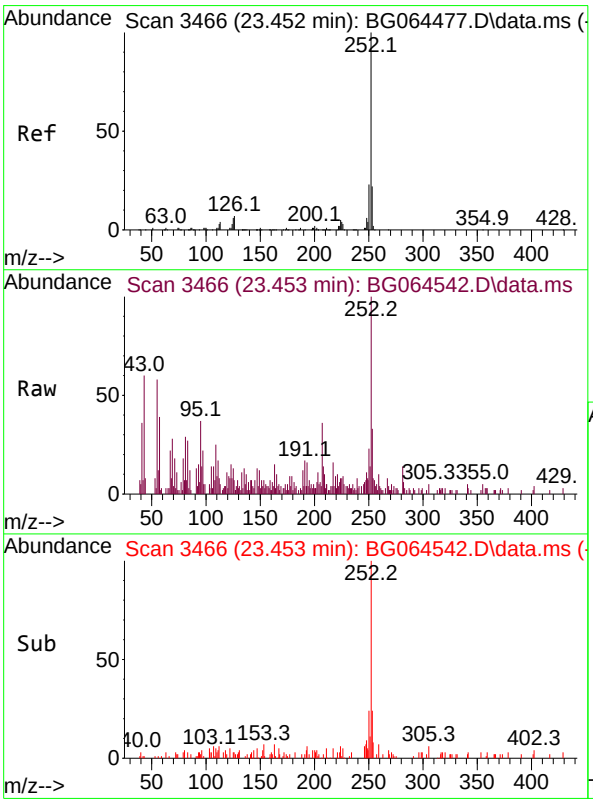
Ion	Ratio	Lower	Upper
264	100		
260	26.0	16.2	24.4#
265	21.3	15.0	22.4

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

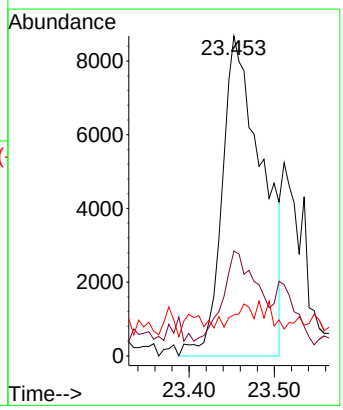


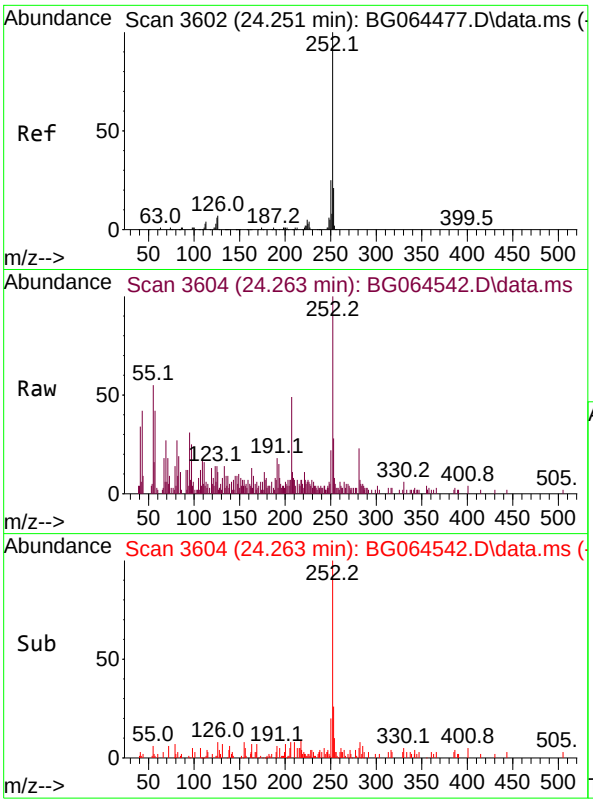


#88
Benzo(b)fluoranthene
Concen: 3.773 ng
RT: 23.453 min Scan# 3466
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

Tgt Ion:252 Resp: 28308

Ion	Ratio	Lower	Upper
252	100		
253	32.8	17.5	26.3#
125	12.8	4.5	6.7#

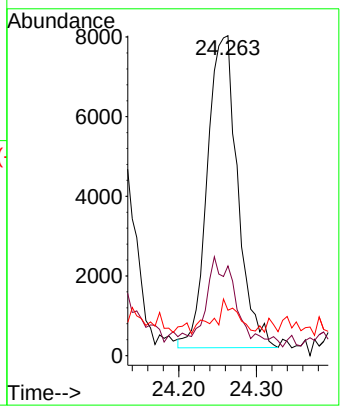




#90
Benzo(a)pyrene
Concen: 3.071 ng
RT: 24.263 min Scan# 3
Delta R.T. 0.015 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

Tgt Ion:252 Resp: 2123

Ion	Ratio	Lower	Upper
252	100		
253	28.0	17.1	25.7#
125	14.2	4.6	6.8#



Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064542.D
Acq On : 17 Oct 2025 19:12
Operator : RC/JU
Sample : Q3363-02
Misc : 8270/625.1 SPIKE
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064542.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.409	389	395	404	rBV	197214	298654	34.41%	4.824%
2	6.378	557	560	566	rVB3	5960	9582	1.10%	0.155%
3	6.496	572	580	584	rVB4	4701	10554	1.22%	0.170%
4	6.995	655	665	679	rVB	192078	330751	38.10%	5.343%
5	7.460	740	744	749	rBV3	6803	9983	1.15%	0.161%
6	7.612	763	770	775	rBV6	8038	18590	2.14%	0.300%
7	7.812	799	804	813	rVB	60297	108731	12.53%	1.756%
8	8.012	832	838	842	rBV4	8034	10920	1.26%	0.176%
9	8.370	893	899	906	rVB7	7222	14704	1.69%	0.238%
10	8.970	995	1001	1008	rVB	109764	185375	21.36%	2.994%
11	9.128	1024	1028	1031	rBV3	6925	10862	1.25%	0.175%
12	9.463	1079	1085	1092	rBV5	4877	11732	1.35%	0.190%
13	9.528	1092	1096	1102	rVB5	7701	12453	1.43%	0.201%
14	9.792	1136	1141	1147	rVB6	7712	13035	1.50%	0.211%
15	10.603	1268	1279	1286	rBV	76911	148153	17.07%	2.393%
16	10.773	1304	1308	1313	rVB3	17652	24235	2.79%	0.391%
17	11.102	1360	1364	1369	rVB5	11965	18799	2.17%	0.304%
18	11.284	1388	1395	1396	rBV5	7297	13121	1.51%	0.212%
19	11.308	1396	1399	1404	rVB7	11554	18313	2.11%	0.296%
20	11.449	1418	1423	1426	rBV6	5523	8921	1.03%	0.144%
21	11.637	1450	1455	1459	rBV3	28018	51644	5.95%	0.834%
22	11.796	1475	1482	1487	rBV7	9373	19975	2.30%	0.323%
23	11.896	1491	1499	1504	rBV7	14243	32324	3.72%	0.522%
24	12.172	1543	1546	1550	rBV5	6298	9100	1.05%	0.147%
25	12.254	1557	1560	1565	rVB5	10929	18644	2.15%	0.301%
26	12.348	1570	1576	1581	rBV8	9228	20139	2.32%	0.325%
27	12.730	1639	1641	1649	rVB9	9133	12340	1.42%	0.199%
28	12.947	1675	1678	1681	rBV5	8096	10076	1.16%	0.163%
29	12.988	1681	1685	1690	rVB2	38849	55204	6.36%	0.892%
30	13.065	1690	1698	1705	rBV	318899	490048	56.45%	7.916%
31	13.229	1723	1726	1728	rBV3	10584	13684	1.58%	0.221%
32	13.259	1728	1731	1735	rVV6	11974	18495	2.13%	0.299%
33	13.300	1735	1738	1741	rVV4	9050	11211	1.29%	0.181%
34	13.370	1747	1750	1755	rBV7	8396	13456	1.55%	0.217%
35	13.441	1760	1762	1766	rVB5	10584	9463	1.09%	0.153%
36	13.599	1783	1789	1791	rBV6	11082	21556	2.48%	0.348%

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064542.D
Acq On : 17 Oct 2025 19:12
Operator : RC/JU
Sample : Q3363-02
Misc : 8270/625.1 SPIKE
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.658	1797	1799	1805	rVB7	6379	10132	1.17%	0.164%
38	13.723	1806	1810	1813	rBV6	7108	11219	1.29%	0.181%
39	13.770	1814	1818	1821	rVB5	14003	19234	2.22%	0.311%
40	13.870	1831	1835	1838	rVB4	30556	39783	4.58%	0.643%
41	13.940	1842	1847	1850	rVV2	58386	77984	8.98%	1.260%
42	13.981	1850	1854	1861	rVB9	15299	31317	3.61%	0.506%
43	14.111	1872	1876	1879	rVB4	9024	12592	1.45%	0.203%
44	14.193	1886	1890	1892	rBV5	7602	11207	1.29%	0.181%
45	14.281	1901	1905	1912	rVB5	33173	54212	6.25%	0.876%
46	14.346	1912	1916	1920	rBV6	10121	16170	1.86%	0.261%
47	14.445	1924	1933	1939	rBV	136327	238849	27.52%	3.858%
48	14.510	1941	1944	1947	rBV3	11643	15324	1.77%	0.248%
49	14.851	1999	2002	2008	rVB7	22216	33519	3.86%	0.541%
50	14.974	2019	2023	2030	rBV5	27298	45640	5.26%	0.737%
51	15.233	2065	2067	2071	rBV5	17975	21177	2.44%	0.342%
52	15.491	2107	2111	2115	rBV3	24002	41392	4.77%	0.669%
53	15.650	2136	2138	2143	rBV6	9821	18933	2.18%	0.306%
54	15.709	2144	2148	2155	rVV2	61124	104116	11.99%	1.682%
55	15.803	2159	2164	2170	rVB2	64533	102855	11.85%	1.661%
56	15.873	2172	2176	2178	rBV5	10252	15298	1.76%	0.247%
57	15.932	2180	2186	2194	rVB	345216	539792	62.18%	8.719%
58	16.091	2211	2213	2215	rBV3	10348	9394	1.08%	0.152%
59	16.190	2222	2230	2236	rBV2	105055	192664	22.20%	3.112%
60	16.285	2242	2246	2247	rBV4	18964	24115	2.78%	0.390%
61	17.007	2365	2369	2373	rVB2	58622	80963	9.33%	1.308%
62	17.189	2395	2400	2404	rBV	171590	256616	29.56%	4.145%
63	17.225	2404	2406	2411	rVB	54741	74106	8.54%	1.197%
64	18.094	2550	2554	2562	rVB4	88223	141132	16.26%	2.280%
65	19.252	2747	2751	2755	rBV	74822	102700	11.83%	1.659%
66	19.304	2757	2760	2764	rVB5	46579	55451	6.39%	0.896%
67	19.604	2807	2811	2820	rVB2	75797	130733	15.06%	2.112%
68	19.804	2841	2845	2850	rVB	663519	868050	100.00%	14.022%
69	20.021	2879	2882	2886	rVB	44809	55321	6.37%	0.894%
70	21.320	3099	3103	3107	rVB	71787	92574	10.66%	1.495%
71	21.414	3114	3119	3123	rBV	178895	271259	31.25%	4.382%
72	24.399	3621	3627	3635	rVB2	119274	290188	33.43%	4.687%

Sum of corrected areas: 6190838

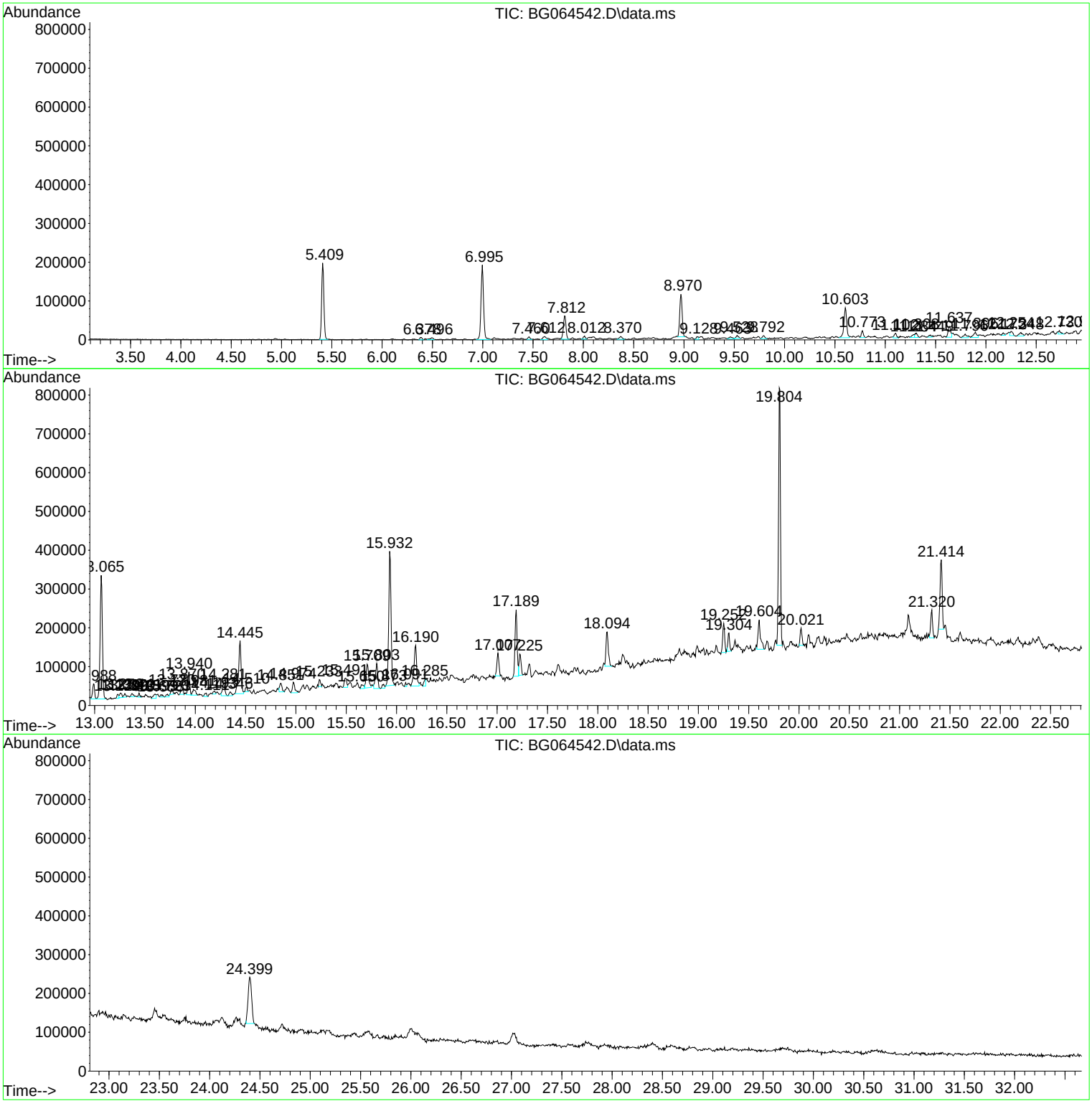
Sample Results: **BG064542.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064542.D
Acq On : 17 Oct 2025 19:12
Operator : RC/JU
Sample : Q3363-02
Misc : 8270/625.1 SPIKE
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064542.D
Acq On : 17 Oct 2025 19:12
Operator : RC/JU
Sample : Q3363-02
Misc : 8270/625.1 SPIKE
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

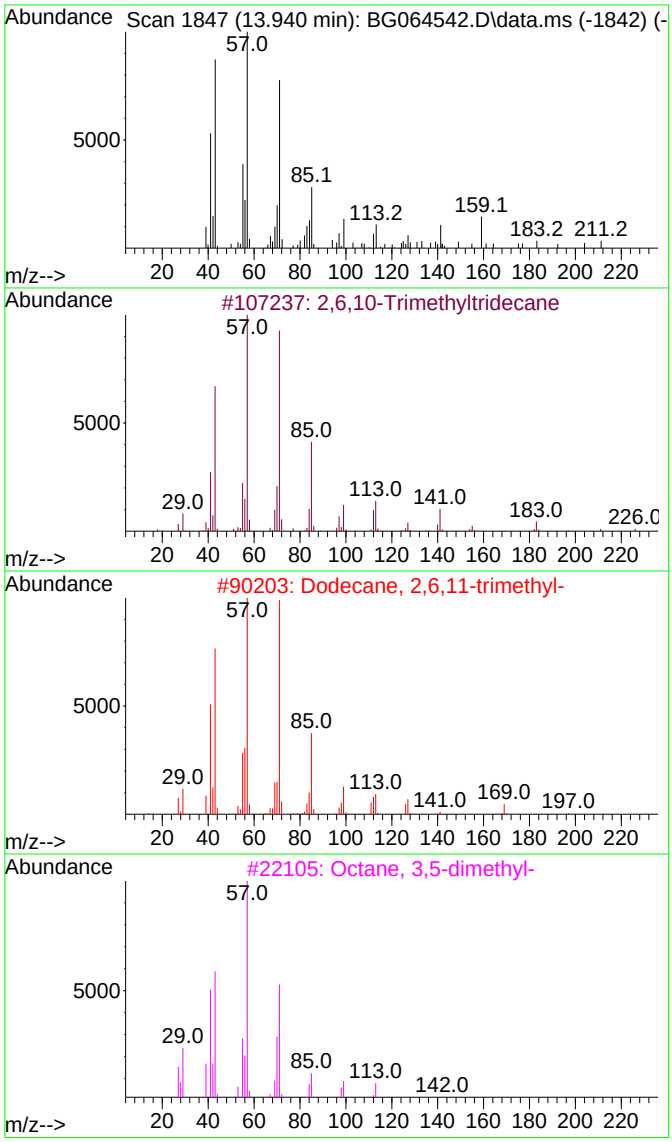
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

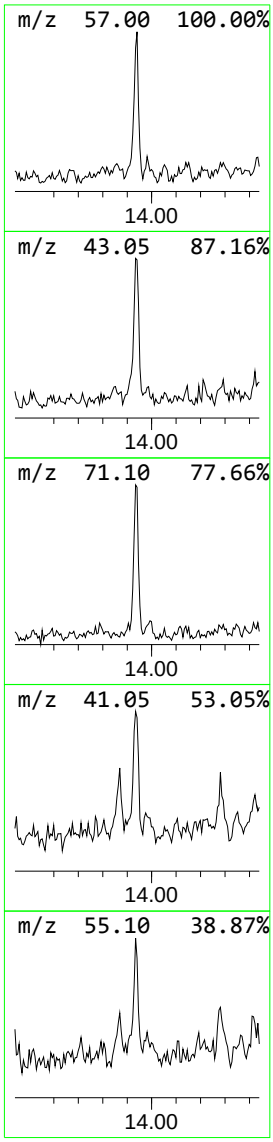
****

Peak Number 10 2,6,10-Trimethyltridecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.940	6.53 ng	77984	Acenaphthene-d10	14.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	87
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
3	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	76
4	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	64
5	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064542.D
Acq On : 17 Oct 2025 19:12
Operator : RC/JU
Sample : Q3363-02
Misc : 8270/625.1 SPIKE
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

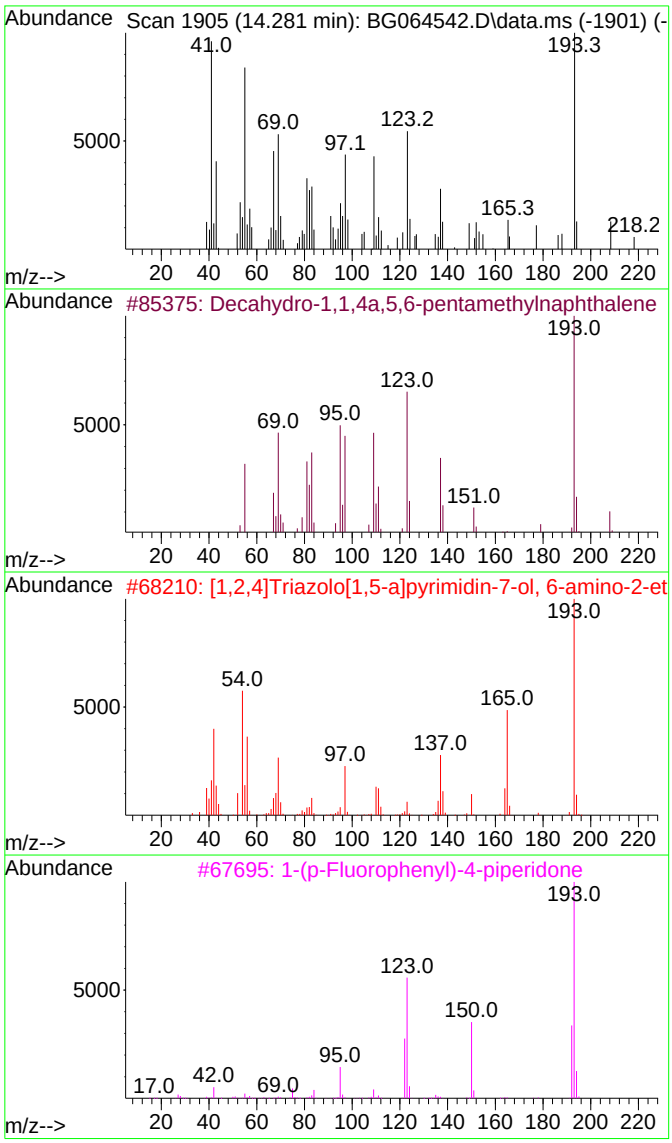
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

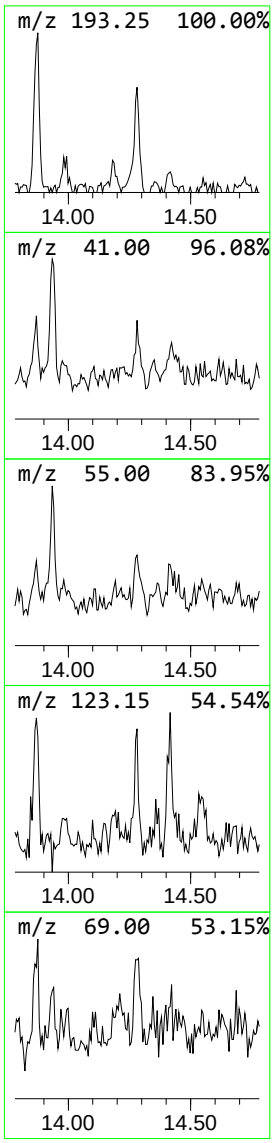
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Decahydro-1,1,4a,5,6-pentam... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.281	4.54 ng	54212	Acenaphthene-d10	14.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	89
2	[1,2,4]Triazolo[1,5-a]pyrimidin-...	193	C8H11N5O	1000351-50-1	38
3	1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	35
4	Borinic acid, diethyl-, 3,3,5-tr...	208	C13H25BO	057387-76-5	35
5	benzoxazole, 5,6-dimethoxy-2-met...	193	C10H11NO3	1000395-98-9	22





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064542.D
Acq On    : 17 Oct 2025  19:12
Operator  : RC/JU
Sample    : Q3363-02
Misc      : 8270/625.1 SPIKE
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

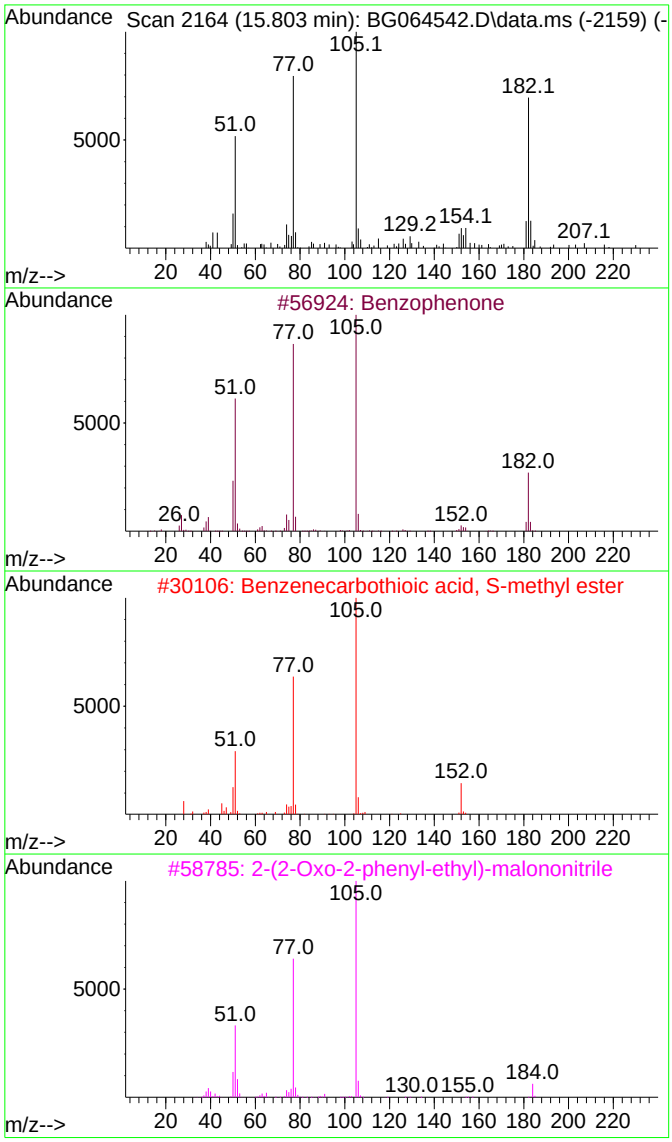
Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

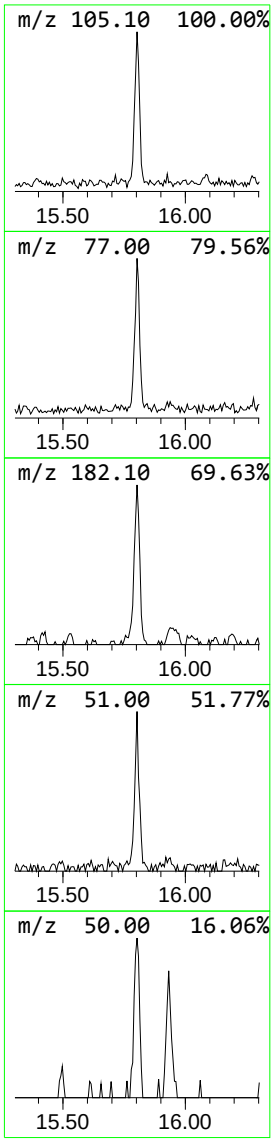
****

Peak Number 15 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.803	8.61 ng	102855	Acenaphthene-d10	14.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	94
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	64
3	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	52
4	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	52
5	Phenylglyoxylic acid, propyl ester	192	C11H12O3	1000453-46-7	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064542.D
Acq On : 17 Oct 2025 19:12
Operator : RC/JU
Sample : Q3363-02
Misc : 8270/625.1 SPIKE
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

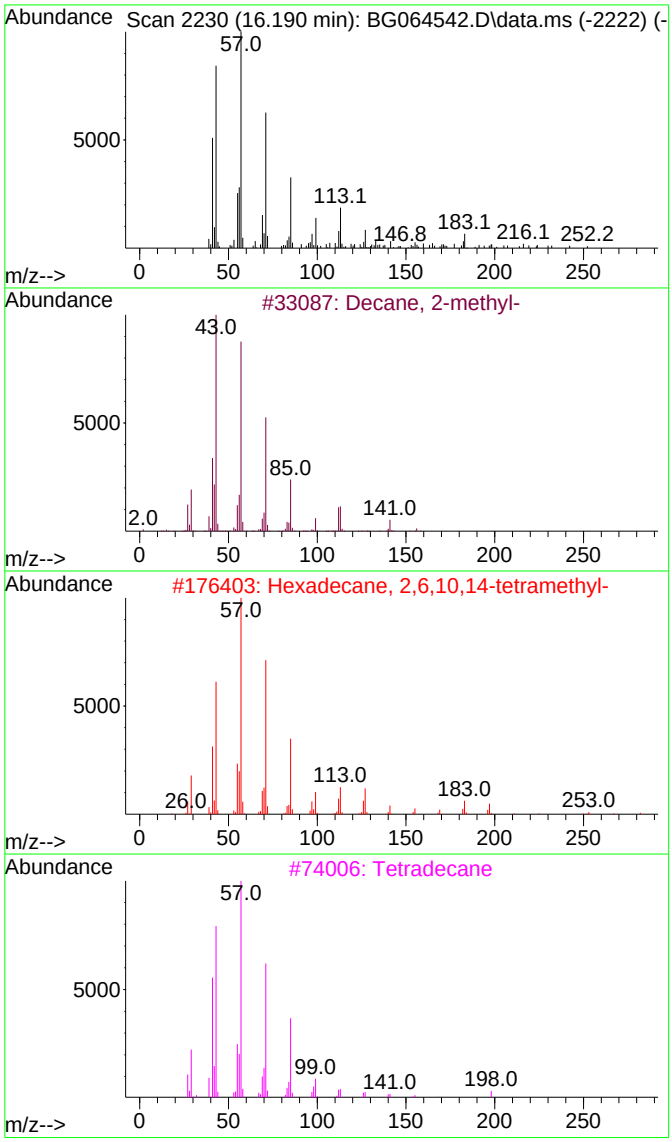
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

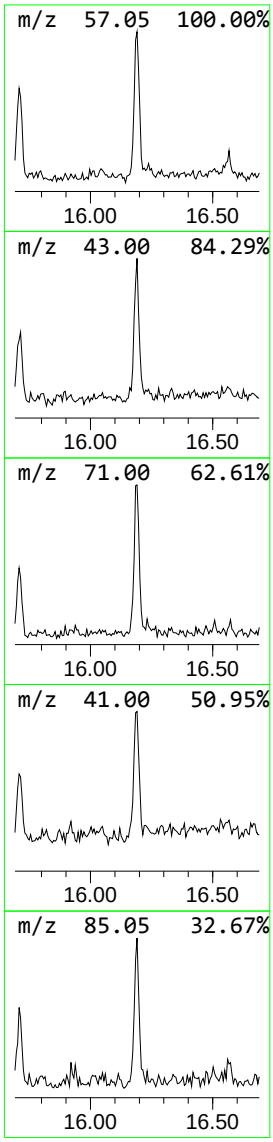
****

Peak Number 16 Decane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.191	15.02 ng	192664	Phenanthrene-d10	17.189

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	87
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80
3	Tetradecane	198	C14H30	000629-59-4	72
4	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	72
5	Eicosane	282	C20H42	000112-95-8	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064542.D
Acq On : 17 Oct 2025 19:12
Operator : RC/JU
Sample : Q3363-02
Misc : 8270/625.1 SPIKE
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

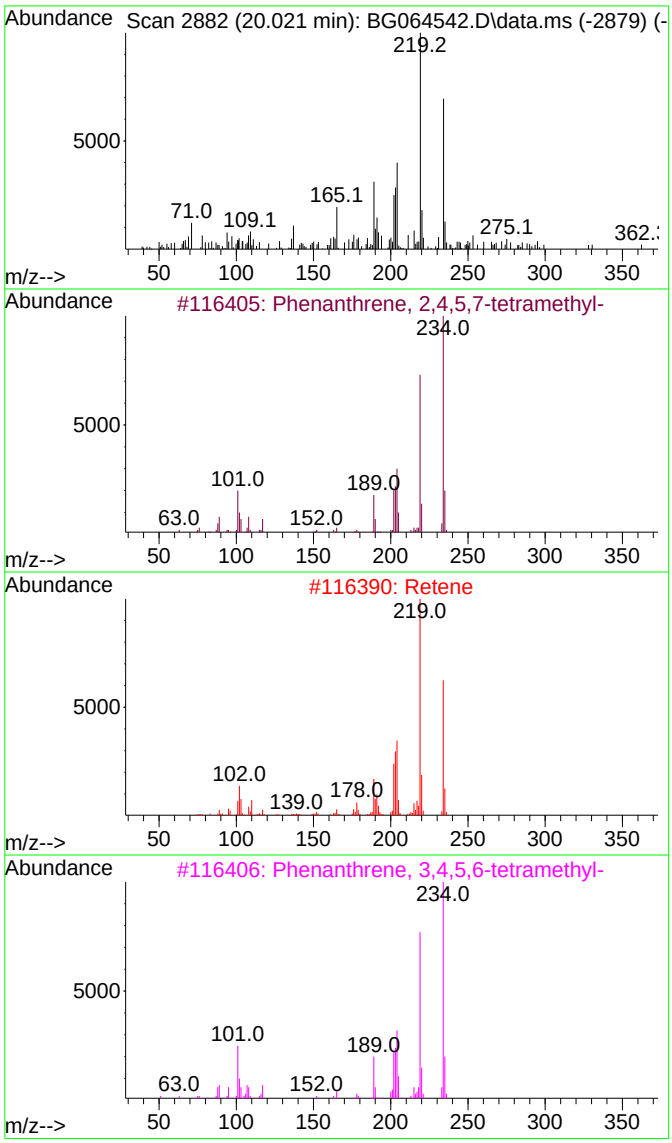
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

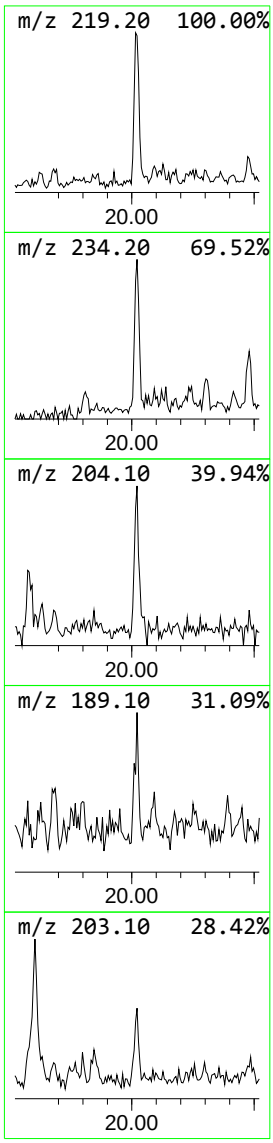
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Phenanthrene, 2,4,5,7-tetra... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.021	4.08 ng	55321	Chrysene-d12	21.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	95
2	Retene	234	C18H18	000483-65-8	93
3	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	89
4	1,4-Di-(4'-methylphenyl)buta-1,3...	234	C18H18	1000202-17-5	74
5	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064542.D
Acq On : 17 Oct 2025 19:12
Operator : RC/JU
Sample : Q3363-02
Misc : 8270/625.1 SPIKE
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2,6,10-Trimethy...	13.940	6.5	ng	77984	3	14.445	238849	20.0
Decahydro-1,1,4...	14.281	4.5	ng	54212	3	14.445	238849	20.0
Benzophenone	15.803	8.6	ng	102855	3	14.445	238849	20.0
Decane, 2-methyl-	16.191	15.0	ng	192664	4	17.189	256616	20.0
Phenanthrene, 2...	20.021	4.1	ng	55321	5	21.414	271259	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-028010-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-03	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.8
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	600	U	1	280	600	ug/Kg	10/17/25 19:12	PB170144
108-95-2	Phenol	310	U	1	40.3	310	ug/Kg	10/17/25 19:12	PB170144
111-44-4	bis(2-Chloroethyl)ether	310	U	1	44.3	310	ug/Kg	10/17/25 19:12	PB170144
95-57-8	2-Chlorophenol	310	U	1	44.5	310	ug/Kg	10/17/25 19:12	PB170144
95-48-7	2-Methylphenol	310	U	1	54.5	310	ug/Kg	10/17/25 19:12	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	310	U	1	68.4	310	ug/Kg	10/17/25 19:12	PB170144
98-86-2	Acetophenone	310	U	1	53.8	310	ug/Kg	10/17/25 19:12	PB170144
65794-96-9	3+4-Methylphenols	600	U	1	75.0	600	ug/Kg	10/17/25 19:12	PB170144
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	86.4	150	ug/Kg	10/17/25 19:12	PB170144
67-72-1	Hexachloroethane	310	U	1	32.1	310	ug/Kg	10/17/25 19:12	PB170144
98-95-3	Nitrobenzene	310	U	1	33.4	310	ug/Kg	10/17/25 19:12	PB170144
78-59-1	Isophorone	310	U	1	59.8	310	ug/Kg	10/17/25 19:12	PB170144
88-75-5	2-Nitrophenol	310	U	1	110	310	ug/Kg	10/17/25 19:12	PB170144
105-67-9	2,4-Dimethylphenol	310	U	1	120	310	ug/Kg	10/17/25 19:12	PB170144
111-91-1	bis(2-Chloroethoxy)methane	310	U	1	56.2	310	ug/Kg	10/17/25 19:12	PB170144
120-83-2	2,4-Dichlorophenol	310	U	1	51.6	310	ug/Kg	10/17/25 19:12	PB170144
91-20-3	Naphthalene	310	U	1	41.4	310	ug/Kg	10/17/25 19:12	PB170144
106-47-8	4-Chloroaniline	310	U	1	64.6	310	ug/Kg	10/17/25 19:12	PB170144
87-68-3	Hexachlorobutadiene	310	U	1	46.1	310	ug/Kg	10/17/25 19:12	PB170144
105-60-2	Caprolactam	600	U	1	95.0	600	ug/Kg	10/17/25 19:12	PB170144
59-50-7	4-Chloro-3-methylphenol	310	U	1	52.3	310	ug/Kg	10/17/25 19:12	PB170144
91-57-6	2-Methylnaphthalene	310	U	1	46.7	310	ug/Kg	10/17/25 19:12	PB170144
77-47-4	Hexachlorocyclopentadiene	600	U	1	210	600	ug/Kg	10/17/25 19:12	PB170144
88-06-2	2,4,6-Trichlorophenol	310	U	1	36.1	310	ug/Kg	10/17/25 19:12	PB170144
95-95-4	2,4,5-Trichlorophenol	310	U	1	53.1	310	ug/Kg	10/17/25 19:12	PB170144
92-52-4	1,1-Biphenyl	310	U	1	39.8	310	ug/Kg	10/17/25 19:12	PB170144
91-58-7	2-Chloronaphthalene	310	U	1	41.0	310	ug/Kg	10/17/25 19:12	PB170144
88-74-4	2-Nitroaniline	310	U	1	87.7	310	ug/Kg	10/17/25 19:12	PB170144
131-11-3	Dimethylphthalate	310	U	1	49.4	310	ug/Kg	10/17/25 19:12	PB170144
208-96-8	Acenaphthylene	310	U	1	52.7	310	ug/Kg	10/17/25 19:12	PB170144
606-20-2	2,6-Dinitrotoluene	310	U	1	61.3	310	ug/Kg	10/17/25 19:12	PB170144
99-09-2	3-Nitroaniline	310	U	1	83.9	310	ug/Kg	10/17/25 19:12	PB170144
83-32-9	Acenaphthene	310	U	1	38.8	310	ug/Kg	10/17/25 19:12	PB170144
51-28-5	2,4-Dinitrophenol	600	U	1	420	600	ug/Kg	10/17/25 19:12	PB170144
100-02-7	4-Nitrophenol	600	U	1	200	600	ug/Kg	10/17/25 19:12	PB170144
132-64-9	Dibenzofuran	310	U	1	41.4	310	ug/Kg	10/17/25 19:12	PB170144
121-14-2	2,4-Dinitrotoluene	310	U	1	91.4	310	ug/Kg	10/17/25 19:12	PB170144
84-66-2	Diethylphthalate	310	U	1	51.6	310	ug/Kg	10/17/25 19:12	PB170144
7005-72-3	4-Chlorophenyl-phenylether	310	U	1	48.7	310	ug/Kg	10/17/25 19:12	PB170144
86-73-7	Fluorene	310	U	1	46.1	310	ug/Kg	10/17/25 19:12	PB170144
100-01-6	4-Nitroaniline	310	U	1	120	310	ug/Kg	10/17/25 19:12	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	600	U	1	190	600	ug/Kg	10/17/25 19:12	PB170144

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-028010-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-03	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.8
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	310	U	1	60.0	310	ug/Kg	10/17/25 19:12	PB170144
101-55-3	4-Bromophenyl-phenylether	310	U	1	50.7	310	ug/Kg	10/17/25 19:12	PB170144
118-74-1	Hexachlorobenzene	310	U	1	46.1	310	ug/Kg	10/17/25 19:12	PB170144
1912-24-9	Atrazine	310	U	1	62.0	310	ug/Kg	10/17/25 19:12	PB170144
87-86-5	Pentachlorophenol	600	U	1	93.6	600	ug/Kg	10/17/25 19:12	PB170144
85-01-8	Phenanthrene	310	U	1	38.1	310	ug/Kg	10/17/25 19:12	PB170144
120-12-7	Anthracene	310	U	1	60.7	310	ug/Kg	10/17/25 19:12	PB170144
86-74-8	Carbazole	310	U	1	56.9	310	ug/Kg	10/17/25 19:12	PB170144
84-74-2	Di-n-butylphthalate	310	U	1	87.4	310	ug/Kg	10/17/25 19:12	PB170144
206-44-0	Fluoranthene	160	J	1	54.7	310	ug/Kg	10/17/25 19:12	PB170144
129-00-0	Pyrene	130	J	1	65.6	310	ug/Kg	10/17/25 19:12	PB170144
85-68-7	Butylbenzylphthalate	310	U	1	130	310	ug/Kg	10/17/25 19:12	PB170144
91-94-1	3,3-Dichlorobenzidine	600	U	1	66.9	600	ug/Kg	10/17/25 19:12	PB170144
56-55-3	Benzo(a)anthracene	310	U	1	41.9	310	ug/Kg	10/17/25 19:12	PB170144
218-01-9	Chrysene	310	U	1	36.3	310	ug/Kg	10/17/25 19:12	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	180	J	1	110	310	ug/Kg	10/17/25 19:12	PB170144
117-84-0	Di-n-octyl phthalate	600	U	1	160	600	ug/Kg	10/17/25 19:12	PB170144
205-99-2	Benzo(b)fluoranthene	310	U	1	34.6	310	ug/Kg	10/17/25 19:12	PB170144
207-08-9	Benzo(k)fluoranthene	310	U	1	40.8	310	ug/Kg	10/17/25 19:12	PB170144
50-32-8	Benzo(a)pyrene	310	U	1	53.8	310	ug/Kg	10/17/25 19:12	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	310	U	1	53.1	310	ug/Kg	10/17/25 19:12	PB170144
53-70-3	Dibenzo(a,h)anthracene	310	U	1	50.0	310	ug/Kg	10/17/25 19:12	PB170144
191-24-2	Benzo(g,h,i)perylene	310	U	1	46.9	310	ug/Kg	10/17/25 19:12	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	310	U	1	46.7	310	ug/Kg	10/17/25 19:12	PB170144
123-91-1	1,4-Dioxane	310	U	1	82.4	310	ug/Kg	10/17/25 19:12	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	310	U	1	50.0	310	ug/Kg	10/17/25 19:12	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	79.7			18 - 112	53%	SPK: 150		
13127-88-3	Phenol-d6	78.7			15 - 107	52%	SPK: 150		
4165-60-0	Nitrobenzene-d5	48.3			18 - 107	48%	SPK: 100		
321-60-8	2-Fluorobiphenyl	43.4			20 - 109	43%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	58.4			10 - 116	39%	SPK: 150		
1718-51-0	Terphenyl-d14	38.1			10 - 105	38%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	104000							
1146-65-2	Naphthalene-d8	397000							
15067-26-2	Acenaphthene-d10	207000							
1517-22-2	Phenanthrene-d10	341000							
1719-03-5	Chrysene-d12	243000							
1520-96-3	Perylene-d12	303000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	380	J			10.6	ug/Kg		
002136-70-1	Ethanol, 2-(tetradecyloxy)-	260	J			13.9	ug/Kg		

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-028010-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-03	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.8
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143993.D
Acq On : 17 Oct 2025 19:12
Operator : RC/JU
Sample : Q3363-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-028010-20251015

Quant Time: Oct 20 11:12:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

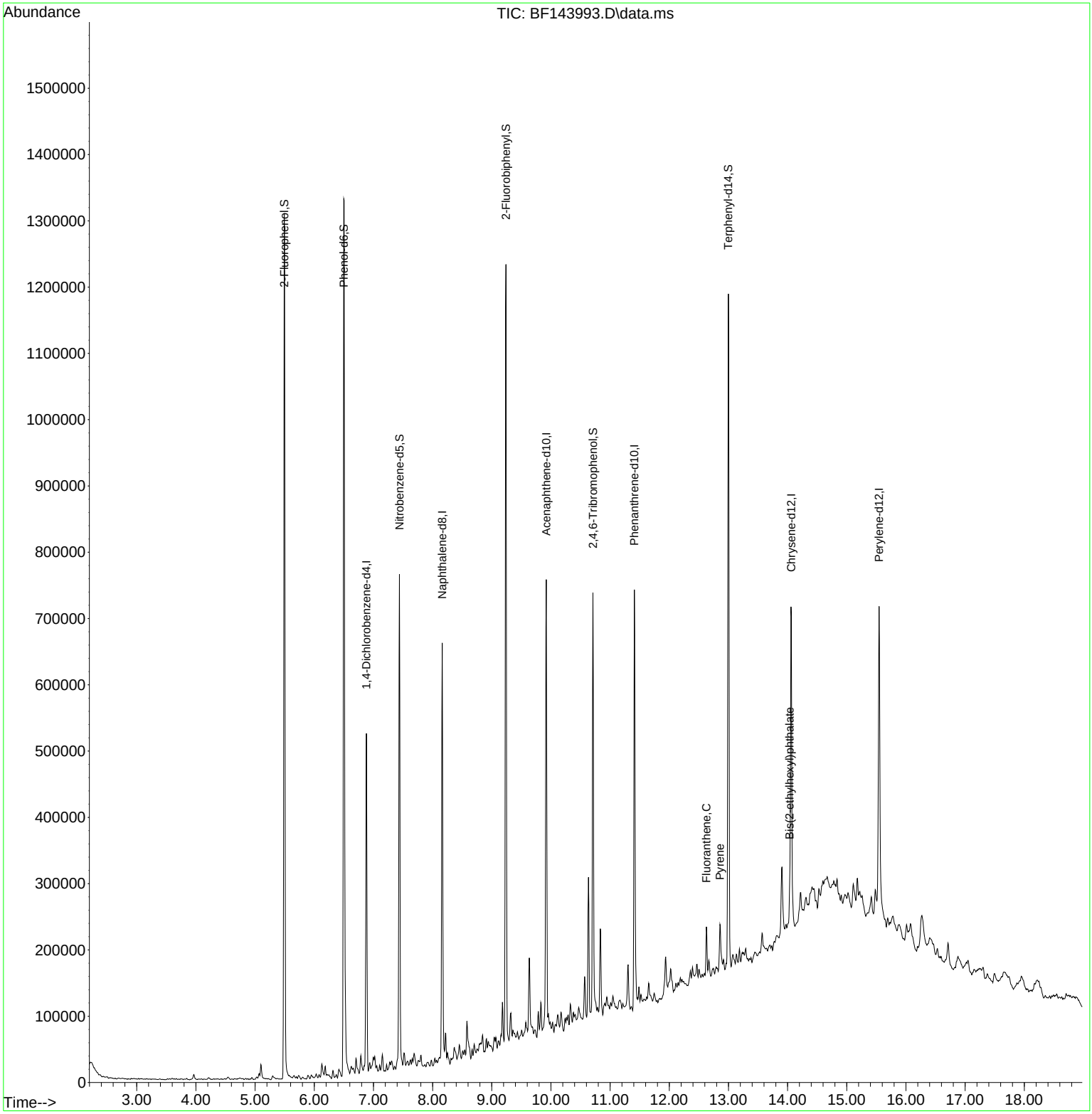
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	104129	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	397063	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	206624	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	340601	20.000	ng		0.00
76) Chrysene-d12	14.063	240	243470	20.000	ng		0.00
86) Perylene-d12	15.545	264	303323	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	522351	79.660	ng		0.00
7) Phenol-d6	6.498	99	614862	78.667	ng		-0.02
23) Nitrobenzene-d5	7.440	82	315684	48.303	ng		-0.02
42) 2,4,6-Tribromophenol	10.710	330	120278	58.444	ng		-0.01
45) 2-Fluorobiphenyl	9.239	172	565104	43.396	ng		-0.01
79) Terphenyl-d14	12.998	244	542536	38.084	ng		-0.01
Target Compounds							Qvalue
75) Fluoranthene	12.627	202	45012	2.639	ng		96
78) Pyrene	12.857	202	43225	2.130	ng		97
84) Bis(2-ethylhexyl)phtha...	14.033	149	22963	2.890	ng	#	90

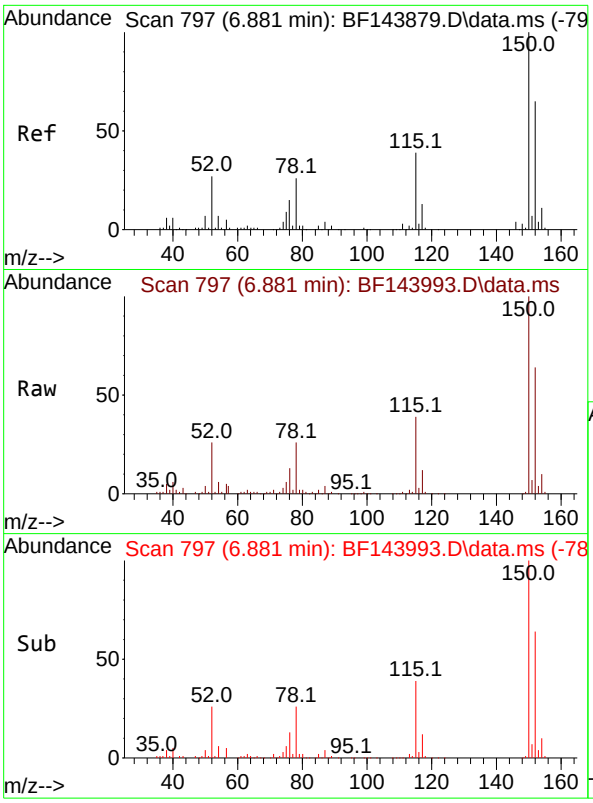
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143993.D
Acq On : 17 Oct 2025 19:12
Operator : RC/JU
Sample : Q3363-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-028010-20251015

Quant Time: Oct 20 11:12:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



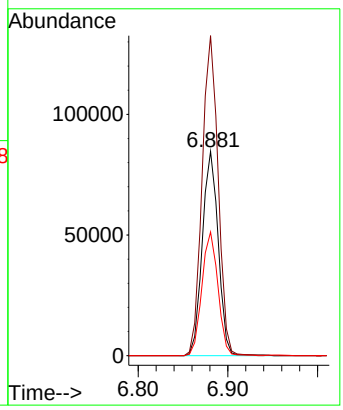


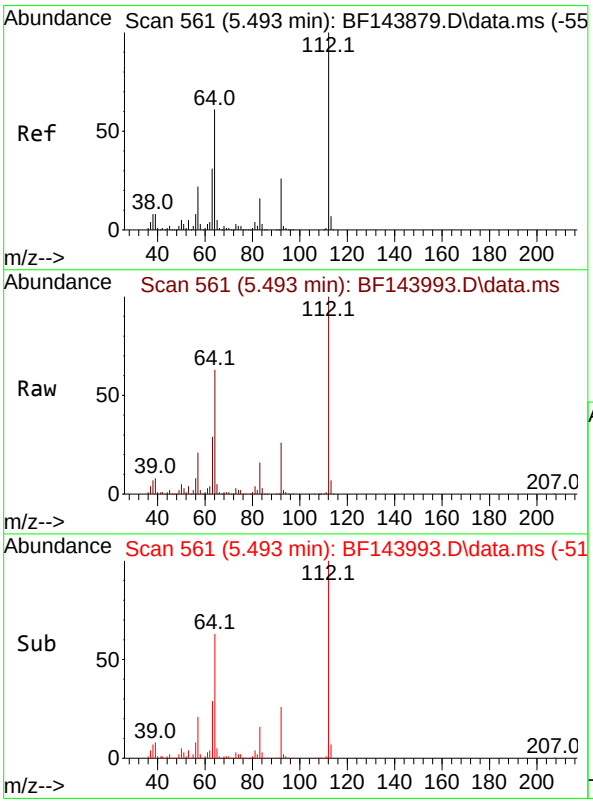
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-028010-20251015

Tgt Ion:152 Resp: 104129

Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.4	186.6
115	60.6	48.1	72.1

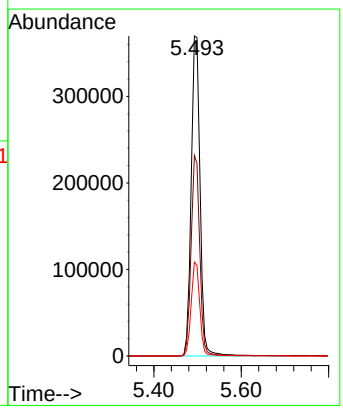


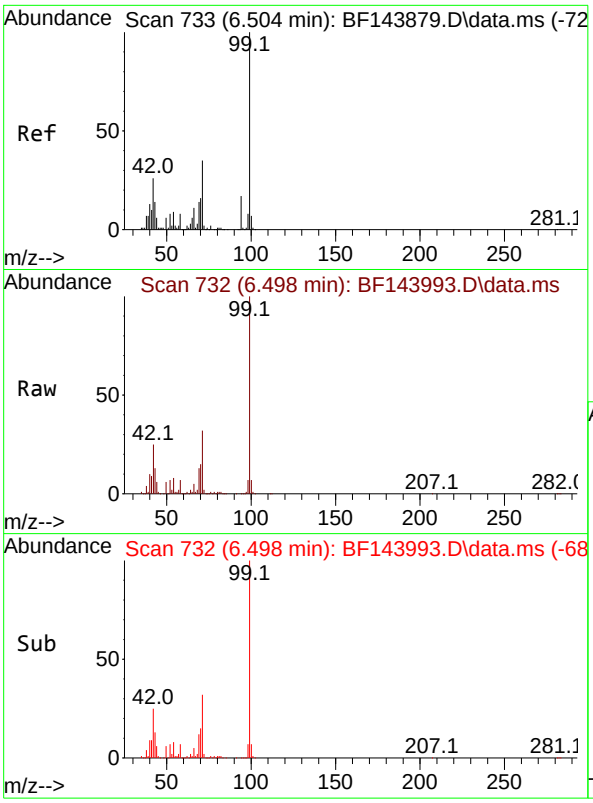


#5
2-Fluorophenol
Concen: 79.660 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

Tgt Ion:112 Resp: 522351

Ion	Ratio	Lower	Upper
112	100		
64	62.7	49.1	73.7
63	29.4	24.5	36.7



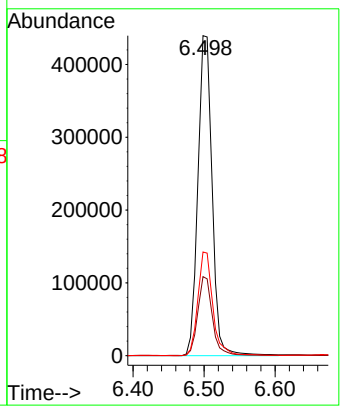


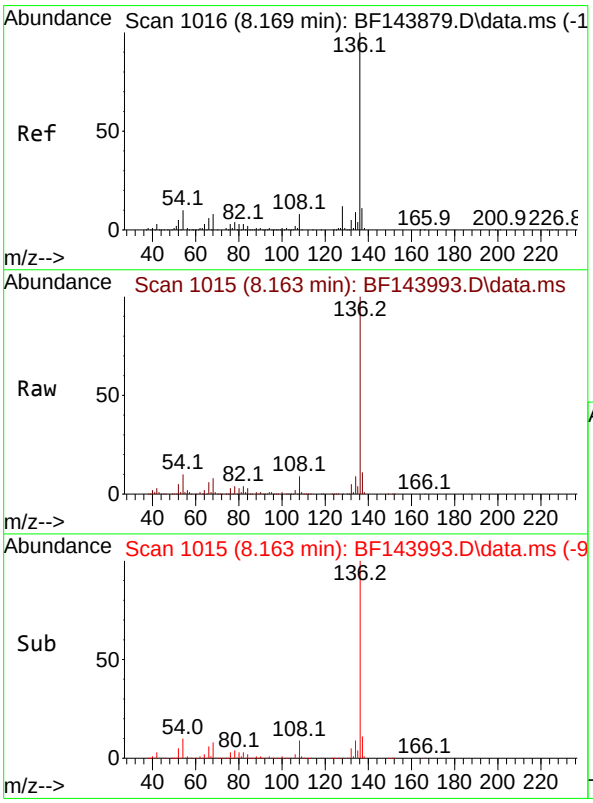
#7
Phenol-d6
Concen: 78.667 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-028010-20251015

Tgt Ion: 99 Resp: 614862

Ion	Ratio	Lower	Upper
99	100		
42	24.7	21.0	31.4
71	32.4	27.8	41.8

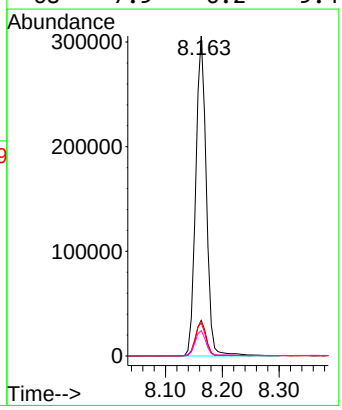


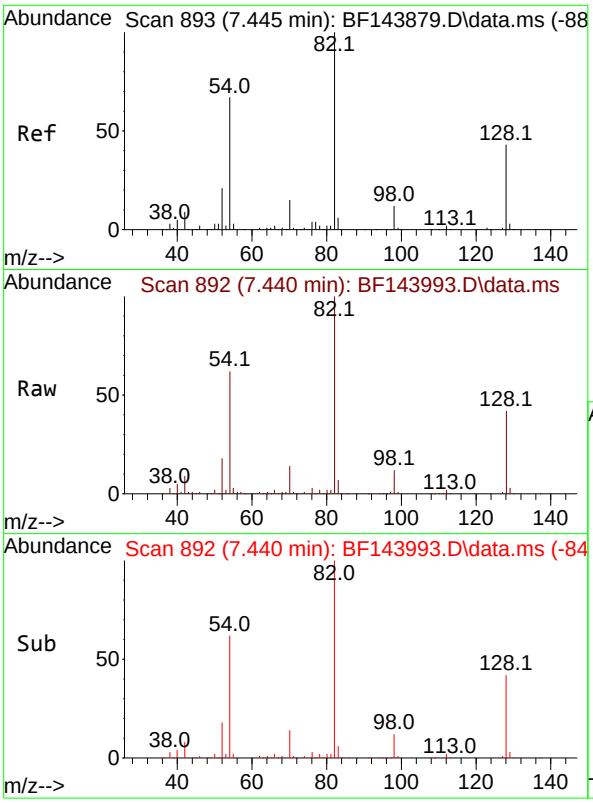


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

Tgt Ion:136 Resp: 397063

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	10.3	8.2	12.4
68	7.9	6.2	9.4



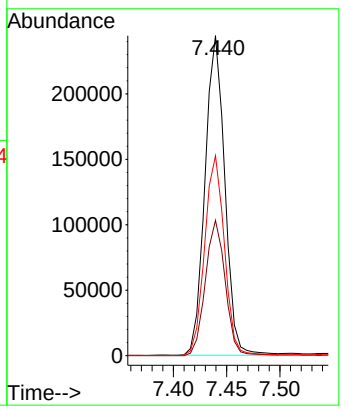


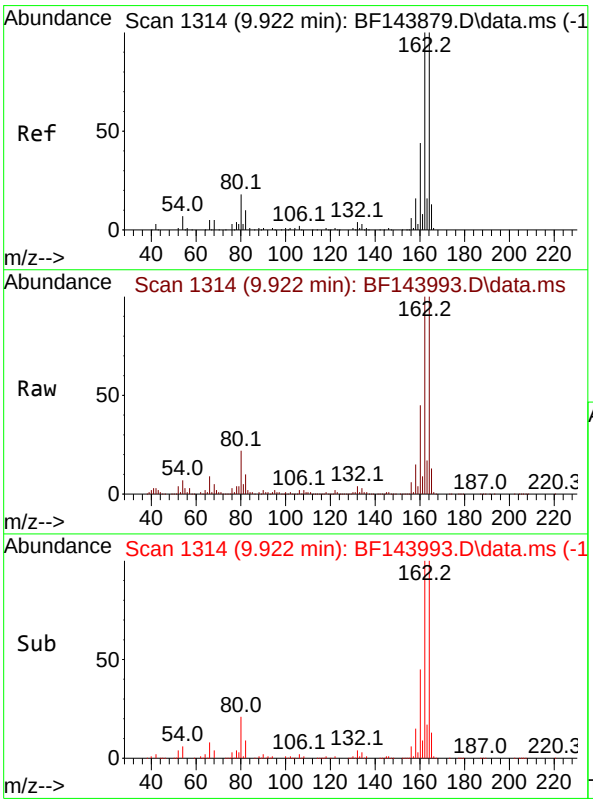
#23
Nitrobenzene-d5
Concen: 48.303 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-028010-20251015

Tgt Ion: 82 Resp: 315684

Ion	Ratio	Lower	Upper
82	100		
128	42.3	34.0	51.0
54	62.5	53.2	79.8

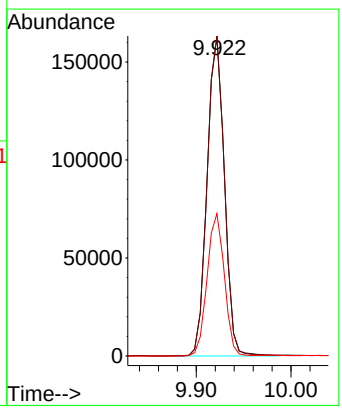


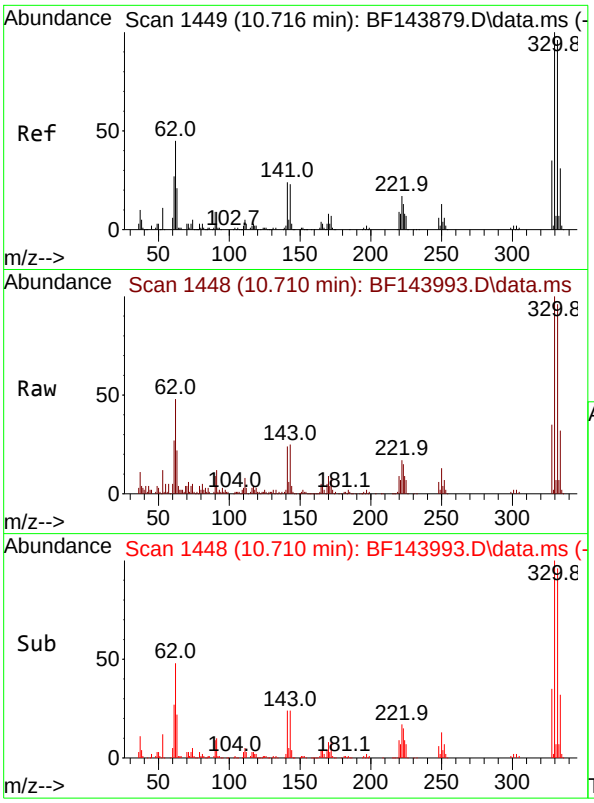


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

Tgt Ion:164 Resp: 206624

Ion	Ratio	Lower	Upper
164	100		
162	100.2	80.2	120.2
160	44.6	35.4	53.0



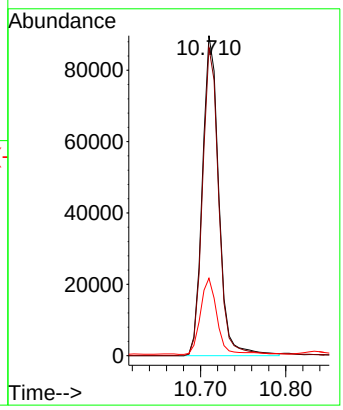


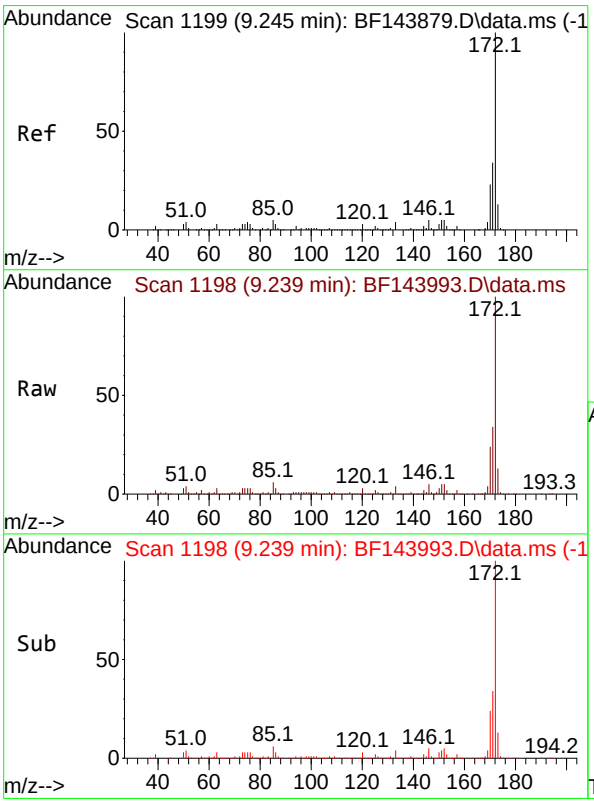
#42
2,4,6-Tribromophenol
Concen: 58.444 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-028010-20251015

Tgt Ion:330 Resp: 120278

Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.9	115.3
141	24.3	20.2	30.4

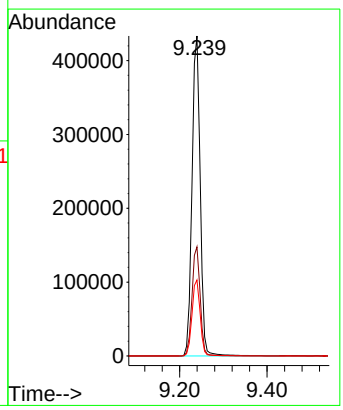


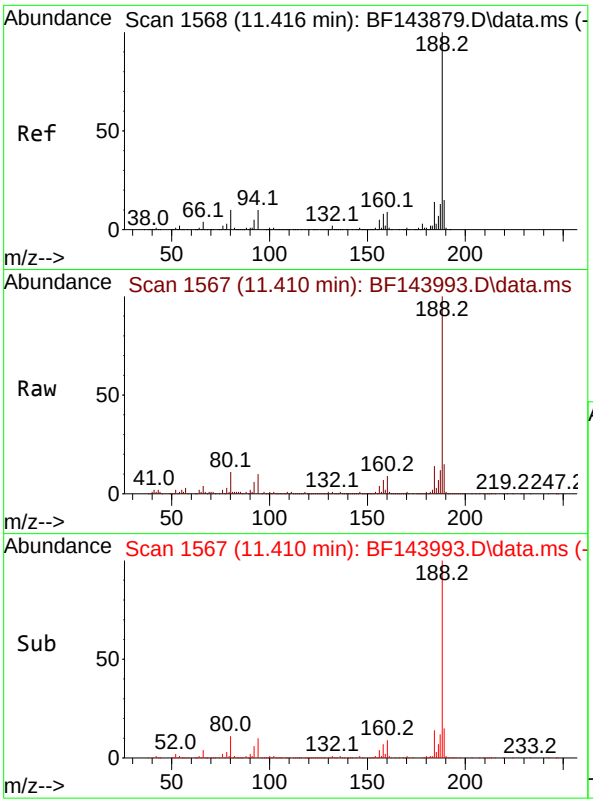


#45
2-Fluorobiphenyl
Concen: 43.396 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

Tgt Ion:172 Resp: 565104

Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.4	41.0
170	23.7	18.6	28.0



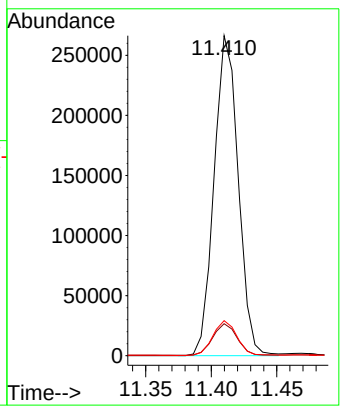


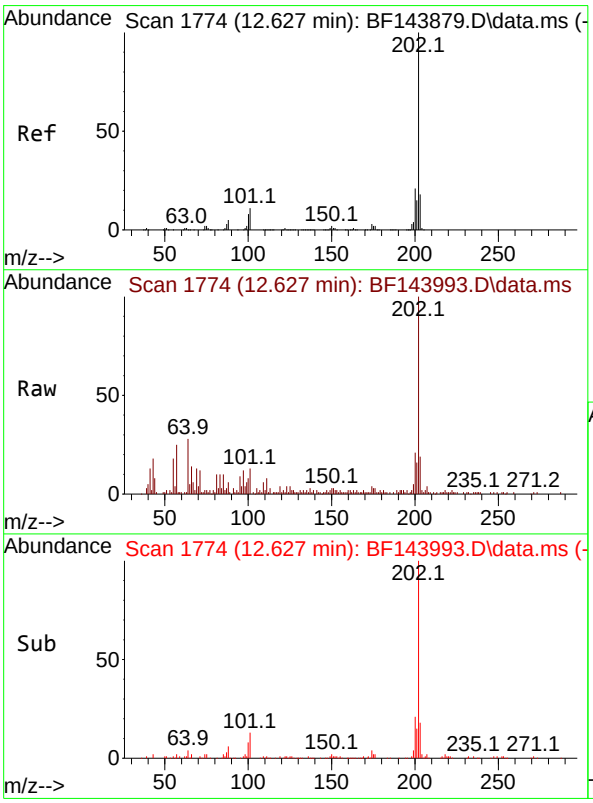
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-028010-20251015

Tgt Ion:188 Resp: 340601

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.8	11.6
80	11.0	7.9	11.9

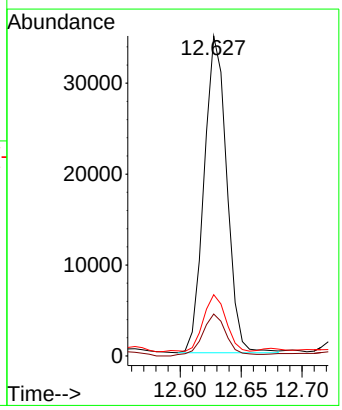


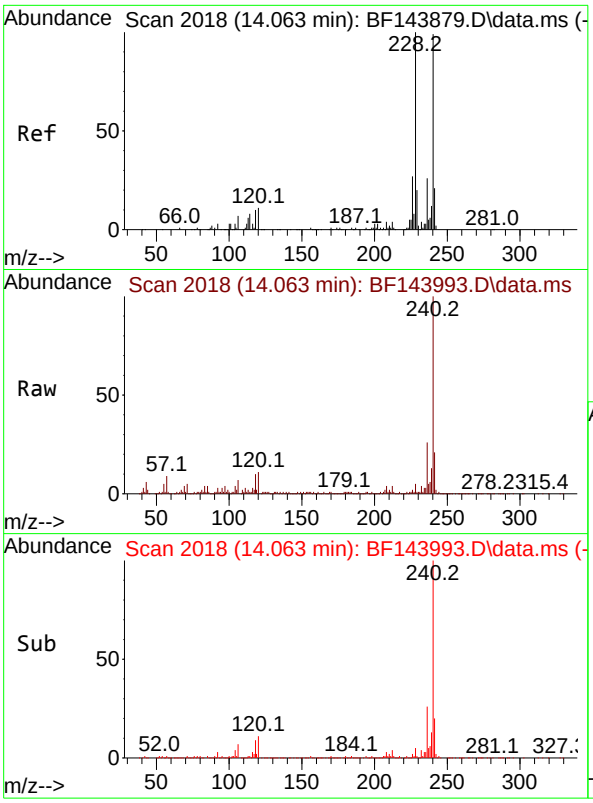


#75
Fluoranthene
Concen: 2.639 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

Tgt Ion:202 Resp: 45012

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	30.7
203	19.1	0.0	37.8



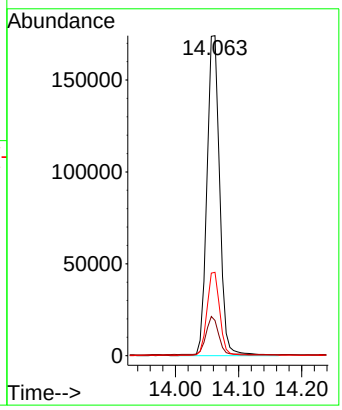


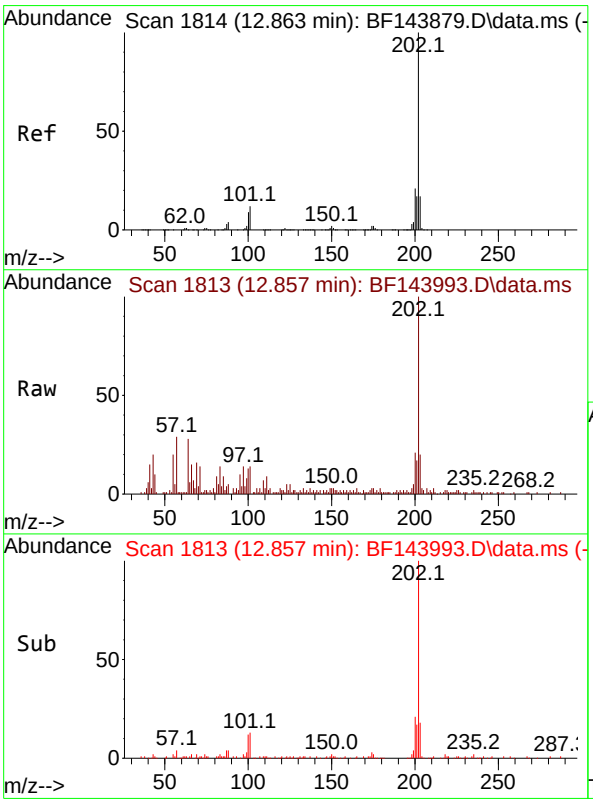
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.005 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-028010-20251015

Tgt Ion:240 Resp: 243470

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.6	13.0
236	26.1	21.1	31.7

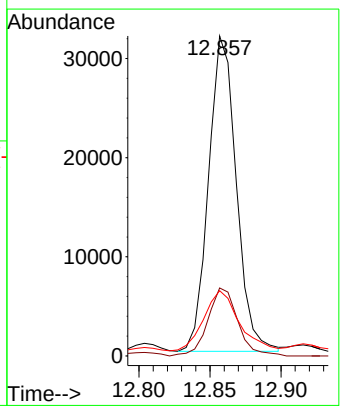


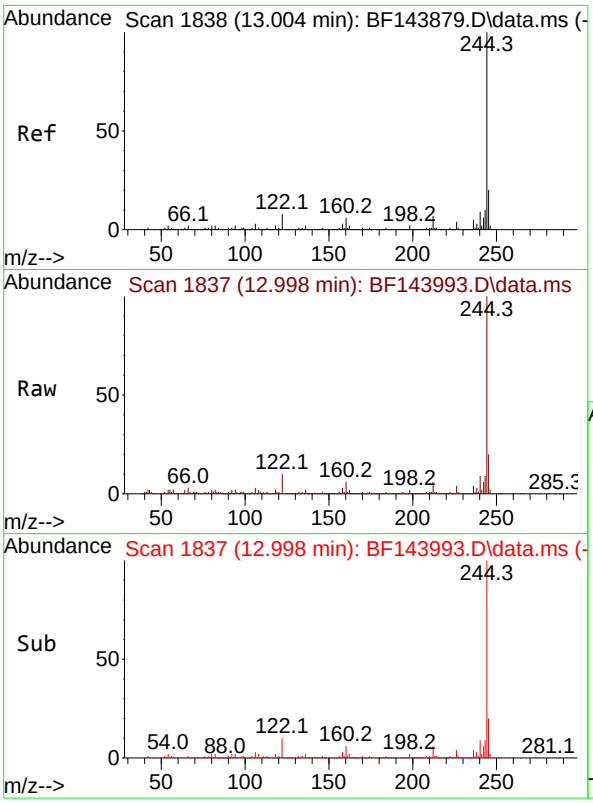


#78
Pyrene
Concen: 2.130 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

Tgt Ion:202 Resp: 43225

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.6
203	20.4	13.8	20.6



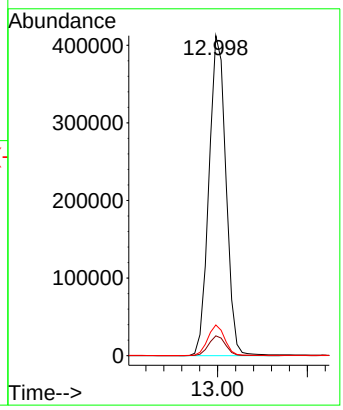


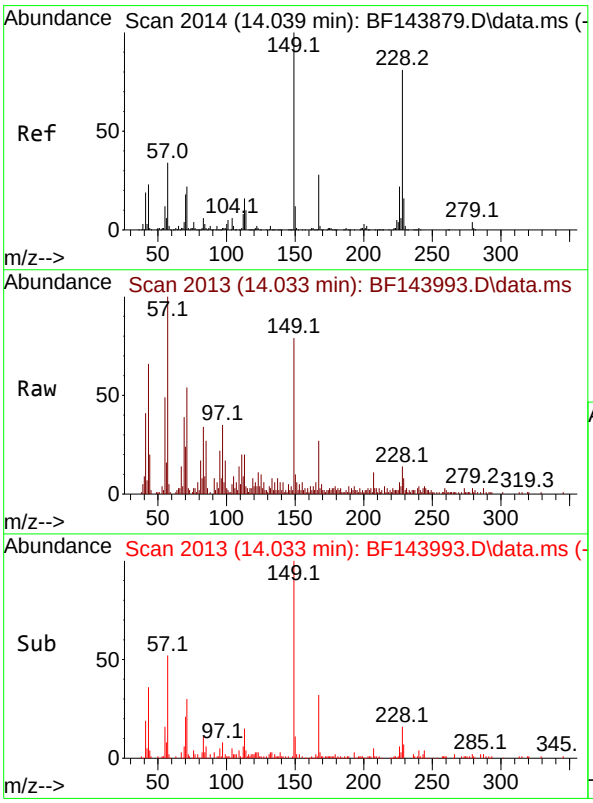
#79
Terphenyl-d14
Concen: 38.084 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-028010-20251015

Tgt Ion:244 Resp: 542536

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.4	8.0
122	9.6	6.4	9.6

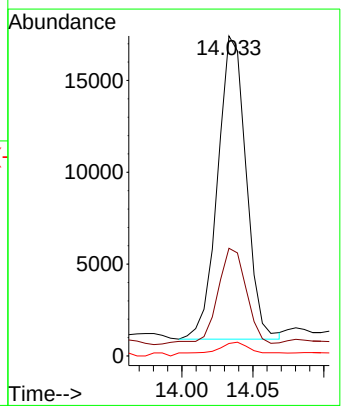


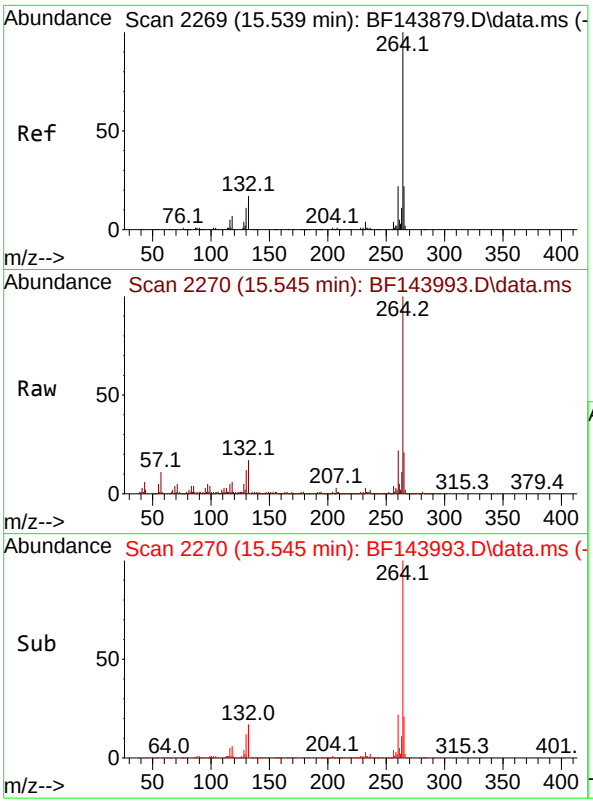


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.890 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

Tgt Ion:149 Resp: 22963

Ion	Ratio	Lower	Upper
149	100		
167	33.6	22.2	33.4#
279	3.9	3.1	4.7



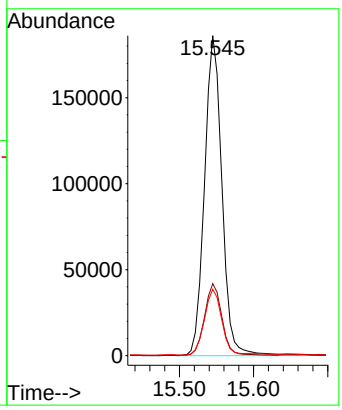


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-028010-20251015

Tgt Ion:264 Resp: 303323

Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.8	26.8
265	20.7	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143993.D
Acq On : 17 Oct 2025 19:12
Operator : RC/JU
Sample : Q3363-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-028010-20251015

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143993.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.098	491	494	503	rVB	21095	31212	1.58%	0.198%
2	5.493	556	561	574	rBV	1305210	1794705	90.68%	11.380%
3	6.128	665	669	675	rBV3	19674	34683	1.75%	0.220%
4	6.416	714	718	727	rBV7	13153	33523	1.69%	0.213%
5	6.498	727	732	749	rBV	1323345	1979220	100.00%	12.550%
6	6.628	749	754	757	rBV3	10917	19992	1.01%	0.127%
7	6.704	764	767	776	rVB	22844	40331	2.04%	0.256%
8	6.787	776	781	788	rBV2	26922	51628	2.61%	0.327%
9	6.881	792	797	802	rVB	509438	647657	32.72%	4.107%
10	6.998	810	817	819	rVV4	16874	31972	1.62%	0.203%
11	7.151	838	843	848	rVB2	25302	36691	1.85%	0.233%
12	7.304	867	869	875	rVB4	12707	21437	1.08%	0.136%
13	7.440	881	892	901	rBV	746530	1024140	51.74%	6.494%
14	7.516	901	905	910	rVB3	19005	32011	1.62%	0.203%
15	7.687	931	934	942	rVB4	18851	35287	1.78%	0.224%
16	7.804	951	954	959	rVB4	16420	21148	1.07%	0.134%
17	8.163	1009	1015	1021	rBV	627370	822639	41.56%	5.216%
18	8.216	1021	1024	1028	rVV	42836	60647	3.06%	0.385%
19	8.251	1028	1030	1037	rVB7	17266	29493	1.49%	0.187%
20	8.369	1046	1050	1057	rVB6	17597	36433	1.84%	0.231%
21	8.451	1061	1064	1070	rVB5	20818	32636	1.65%	0.207%
22	8.581	1082	1086	1097	rVB	56632	120593	6.09%	0.765%
23	8.704	1104	1107	1112	rBV4	16635	25358	1.28%	0.161%
24	8.845	1128	1131	1135	rVB2	25746	33857	1.71%	0.215%
25	8.910	1138	1142	1144	rBV2	19269	24110	1.22%	0.153%
26	9.039	1160	1164	1167	rBV4	20861	35405	1.79%	0.224%
27	9.181	1185	1188	1192	rVV	62051	74443	3.76%	0.472%
28	9.239	1192	1198	1207	rVV	1172458	1524863	77.04%	9.669%
29	9.322	1207	1212	1216	rBV3	41453	66465	3.36%	0.421%
30	9.633	1260	1265	1272	rBV2	110949	177316	8.96%	1.124%
31	9.786	1287	1291	1294	rBV3	39303	55847	2.82%	0.354%
32	9.828	1295	1298	1302	rVB2	43218	59028	2.98%	0.374%
33	9.922	1309	1314	1318	rVB	660547	826602	41.76%	5.241%
34	10.239	1365	1368	1370	rBV3	16670	22295	1.13%	0.141%
35	10.328	1380	1383	1389	rBV6	30992	50252	2.54%	0.319%
36	10.569	1420	1424	1430	rVB	61075	87451	4.42%	0.555%

Sample Results: **BF143993.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143993.D
Acq On : 17 Oct 2025 19:12
Operator : RC/JU
Sample : Q3363-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-028010-20251015

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.633	1431	1435	1440	rVV	207704	258494	13.06%	1.639%
38	10.710	1443	1448	1459	rVV	632308	847061	42.80%	5.371%
39	10.833	1465	1469	1476	rVB	130269	188261	9.51%	1.194%
40	11.304	1545	1549	1555	rVB2	67174	104211	5.27%	0.661%
41	11.410	1562	1567	1575	rBV	634919	891087	45.02%	5.650%
42	11.939	1654	1657	1663	rVB3	45670	63610	3.21%	0.403%
43	12.627	1771	1774	1778	rBV	70046	87957	4.44%	0.558%
44	12.857	1810	1813	1820	rVB	59984	91221	4.61%	0.578%
45	12.998	1832	1837	1845	rVB	1015186	1344182	67.91%	8.523%
46	13.904	1987	1991	1999	rVB	93726	160778	8.12%	1.019%
47	14.057	2013	2017	2028	rVB	482282	760145	38.41%	4.820%
48	15.545	2265	2270	2291	rVB	483475	972674	49.14%	6.167%

Sum of corrected areas: 15771051

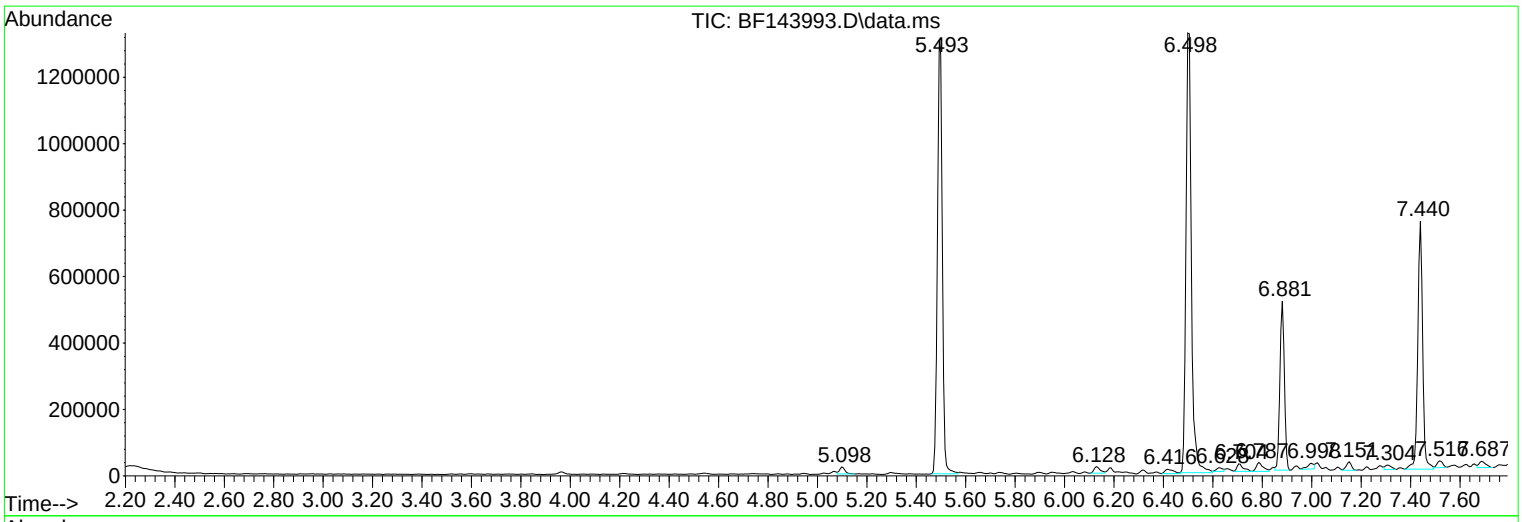
Sample Results: **BF143993.D**

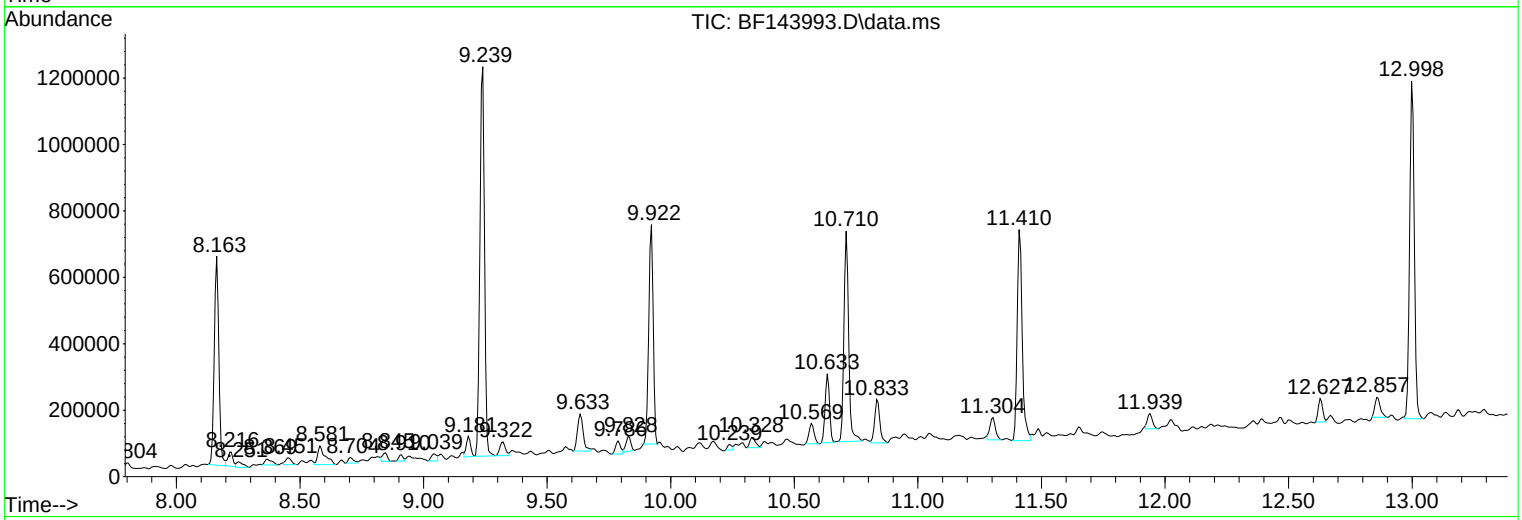
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143993.D
Acq On : 17 Oct 2025 19:12
Operator : RC/JU
Sample : Q3363-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

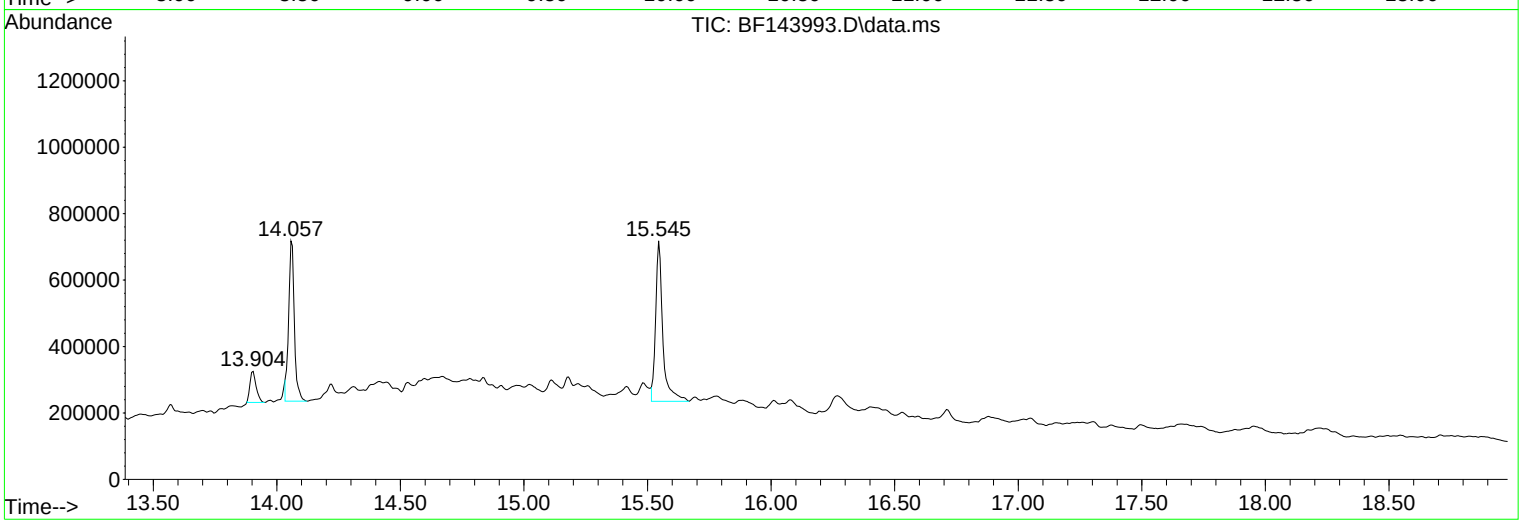
Instrument :
BNA_F
ClientSampleId :
PR132-SO3-028010-20251015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143993.D
Acq On : 17 Oct 2025 19:12
Operator : RC/JU
Sample : Q3363-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-028010-20251015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

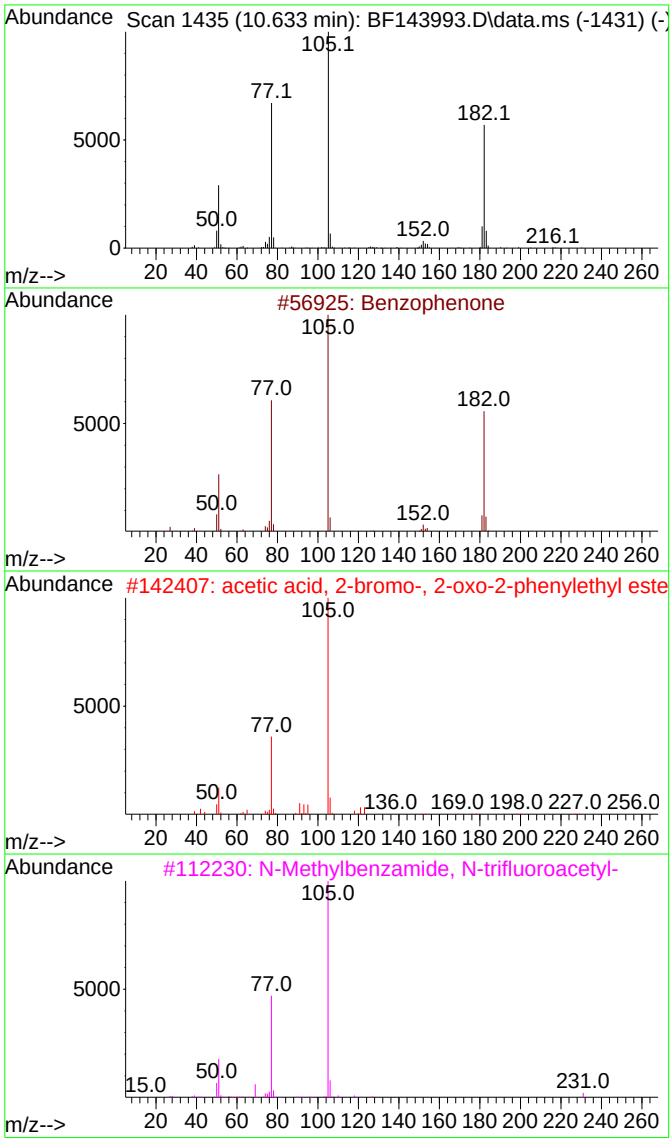
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

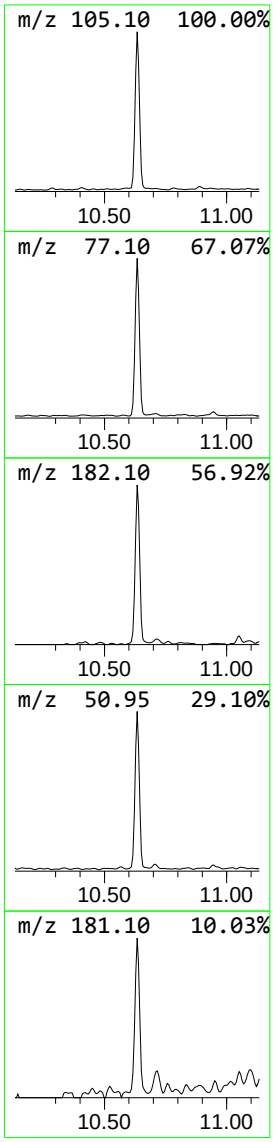
****

Peak Number 4 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.633	6.25 ng	258494	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47
3	N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
4	N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	47
5	2-Pyrazoline-3-carbonitrile, 1-b...	199	C11H9N3O	067872-68-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143993.D
Acq On : 17 Oct 2025 19:12
Operator : RC/JU
Sample : Q3363-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-028010-20251015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

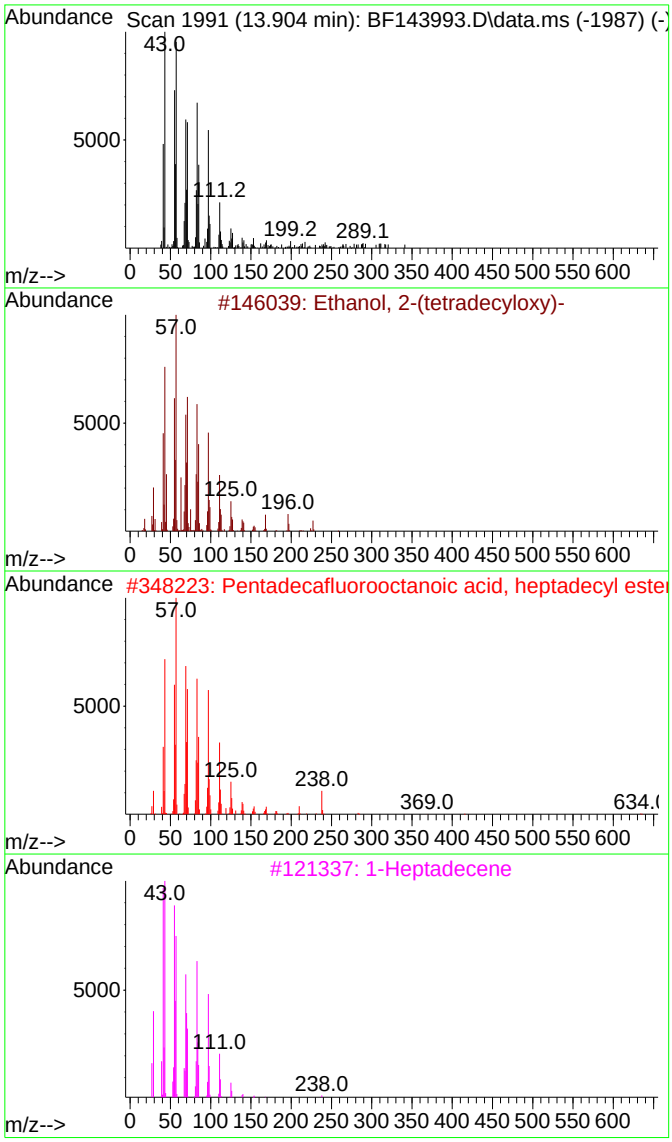
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

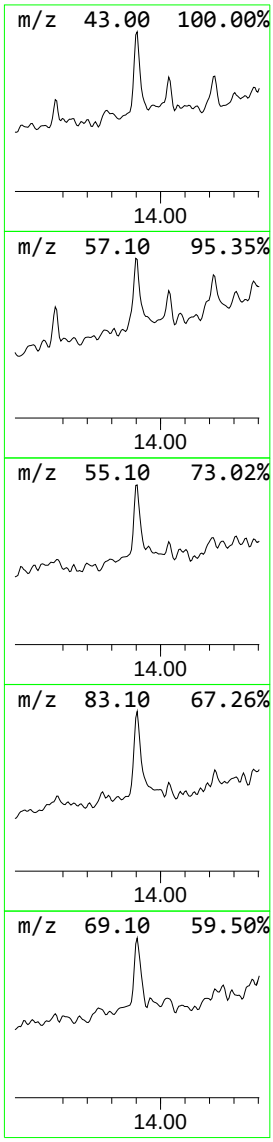
****

Peak Number 7 Ethanol, 2-(tetradecyloxy)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	4.23 ng	160778	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91
2	Pentadecafluorooctanoic acid, he...	652	C25H35F15O2	1000406-04-7	87
3	1-Heptadecene	238	C17H34	006765-39-5	86
4	17-Pentatriacontene	491	C35H70	006971-40-0	83
5	Hexadecyl propyl ether	284	C19H40O	1000406-27-9	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143993.D
Acq On : 17 Oct 2025 19:12
Operator : RC/JU
Sample : Q3363-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-028010-20251015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	10.633	6.3	ng	258494	3	9.922	826602	20.0
Ethanol, 2-(tet...	13.904	4.2	ng	160778	5	14.063	760145	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-010013-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.5
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	640	U	1	300	640	ug/Kg	10/17/25 19:41	PB170144
108-95-2	Phenol	330	U	1	42.9	330	ug/Kg	10/17/25 19:41	PB170144
111-44-4	bis(2-Chloroethyl)ether	330	U	1	47.1	330	ug/Kg	10/17/25 19:41	PB170144
95-57-8	2-Chlorophenol	330	U	1	47.3	330	ug/Kg	10/17/25 19:41	PB170144
95-48-7	2-Methylphenol	330	U	1	58.0	330	ug/Kg	10/17/25 19:41	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	330	U	1	72.7	330	ug/Kg	10/17/25 19:41	PB170144
98-86-2	Acetophenone	330	U	1	57.2	330	ug/Kg	10/17/25 19:41	PB170144
65794-96-9	3+4-Methylphenols	640	U	1	79.7	640	ug/Kg	10/17/25 19:41	PB170144
621-64-7	n-Nitroso-di-n-propylamine	160	U	1	91.9	160	ug/Kg	10/17/25 19:41	PB170144
67-72-1	Hexachloroethane	330	U	1	34.1	330	ug/Kg	10/17/25 19:41	PB170144
98-95-3	Nitrobenzene	330	U	1	35.5	330	ug/Kg	10/17/25 19:41	PB170144
78-59-1	Isophorone	330	U	1	63.6	330	ug/Kg	10/17/25 19:41	PB170144
88-75-5	2-Nitrophenol	330	U	1	110	330	ug/Kg	10/17/25 19:41	PB170144
105-67-9	2,4-Dimethylphenol	330	U	1	130	330	ug/Kg	10/17/25 19:41	PB170144
111-91-1	bis(2-Chloroethoxy)methane	330	U	1	59.7	330	ug/Kg	10/17/25 19:41	PB170144
120-83-2	2,4-Dichlorophenol	330	U	1	54.9	330	ug/Kg	10/17/25 19:41	PB170144
91-20-3	Naphthalene	330	U	1	44.0	330	ug/Kg	10/17/25 19:41	PB170144
106-47-8	4-Chloroaniline	330	U	1	68.6	330	ug/Kg	10/17/25 19:41	PB170144
87-68-3	Hexachlorobutadiene	330	U	1	49.1	330	ug/Kg	10/17/25 19:41	PB170144
105-60-2	Caprolactam	640	U	1	100	640	ug/Kg	10/17/25 19:41	PB170144
59-50-7	4-Chloro-3-methylphenol	330	U	1	55.7	330	ug/Kg	10/17/25 19:41	PB170144
91-57-6	2-Methylnaphthalene	330	U	1	49.6	330	ug/Kg	10/17/25 19:41	PB170144
77-47-4	Hexachlorocyclopentadiene	640	U	1	220	640	ug/Kg	10/17/25 19:41	PB170144
88-06-2	2,4,6-Trichlorophenol	330	U	1	38.4	330	ug/Kg	10/17/25 19:41	PB170144
95-95-4	2,4,5-Trichlorophenol	330	U	1	56.4	330	ug/Kg	10/17/25 19:41	PB170144
92-52-4	1,1-Biphenyl	330	U	1	42.3	330	ug/Kg	10/17/25 19:41	PB170144
91-58-7	2-Chloronaphthalene	330	U	1	43.6	330	ug/Kg	10/17/25 19:41	PB170144
88-74-4	2-Nitroaniline	330	U	1	93.3	330	ug/Kg	10/17/25 19:41	PB170144
131-11-3	Dimethylphthalate	330	U	1	52.6	330	ug/Kg	10/17/25 19:41	PB170144
208-96-8	Acenaphthylene	330	U	1	56.0	330	ug/Kg	10/17/25 19:41	PB170144
606-20-2	2,6-Dinitrotoluene	330	U	1	65.2	330	ug/Kg	10/17/25 19:41	PB170144
99-09-2	3-Nitroaniline	330	U	1	89.2	330	ug/Kg	10/17/25 19:41	PB170144
83-32-9	Acenaphthene	330	U	1	41.3	330	ug/Kg	10/17/25 19:41	PB170144
51-28-5	2,4-Dinitrophenol	640	U	1	440	640	ug/Kg	10/17/25 19:41	PB170144
100-02-7	4-Nitrophenol	640	U	1	210	640	ug/Kg	10/17/25 19:41	PB170144
132-64-9	Dibenzofuran	330	U	1	44.0	330	ug/Kg	10/17/25 19:41	PB170144
121-14-2	2,4-Dinitrotoluene	330	U	1	97.2	330	ug/Kg	10/17/25 19:41	PB170144
84-66-2	Diethylphthalate	330	U	1	54.9	330	ug/Kg	10/17/25 19:41	PB170144
7005-72-3	4-Chlorophenyl-phenylether	330	U	1	51.8	330	ug/Kg	10/17/25 19:41	PB170144
86-73-7	Fluorene	330	U	1	49.1	330	ug/Kg	10/17/25 19:41	PB170144
100-01-6	4-Nitroaniline	330	U	1	120	330	ug/Kg	10/17/25 19:41	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	640	U	1	200	640	ug/Kg	10/17/25 19:41	PB170144

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-010013-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.5
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	330	U	1	63.8	330	ug/Kg	10/17/25 19:41	PB170144
101-55-3	4-Bromophenyl-phenylether	330	U	1	53.9	330	ug/Kg	10/17/25 19:41	PB170144
118-74-1	Hexachlorobenzene	330	U	1	49.1	330	ug/Kg	10/17/25 19:41	PB170144
1912-24-9	Atrazine	330	U	1	65.9	330	ug/Kg	10/17/25 19:41	PB170144
87-86-5	Pentachlorophenol	640	U	1	99.5	640	ug/Kg	10/17/25 19:41	PB170144
85-01-8	Phenanthrene	290	J	1	40.5	330	ug/Kg	10/17/25 19:41	PB170144
120-12-7	Anthracene	130	J	1	64.6	330	ug/Kg	10/17/25 19:41	PB170144
86-74-8	Carbazole	330	U	1	60.5	330	ug/Kg	10/17/25 19:41	PB170144
84-74-2	Di-n-butylphthalate	330	U	1	92.9	330	ug/Kg	10/17/25 19:41	PB170144
206-44-0	Fluoranthene	370		1	58.2	330	ug/Kg	10/17/25 19:41	PB170144
129-00-0	Pyrene	350		1	69.8	330	ug/Kg	10/17/25 19:41	PB170144
85-68-7	Butylbenzylphthalate	330	U	1	140	330	ug/Kg	10/17/25 19:41	PB170144
91-94-1	3,3-Dichlorobenzidine	640	U	1	71.2	640	ug/Kg	10/17/25 19:41	PB170144
56-55-3	Benzo(a)anthracene	340		1	44.6	330	ug/Kg	10/17/25 19:41	PB170144
218-01-9	Chrysene	300	J	1	38.6	330	ug/Kg	10/17/25 19:41	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	330	U	1	110	330	ug/Kg	10/17/25 19:41	PB170144
117-84-0	Di-n-octyl phthalate	640	U	1	170	640	ug/Kg	10/17/25 19:41	PB170144
205-99-2	Benzo(b)fluoranthene	310	J	1	36.8	330	ug/Kg	10/17/25 19:41	PB170144
207-08-9	Benzo(k)fluoranthene	330	U	1	43.4	330	ug/Kg	10/17/25 19:41	PB170144
50-32-8	Benzo(a)pyrene	330		1	57.2	330	ug/Kg	10/17/25 19:41	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	140	J	1	56.4	330	ug/Kg	10/17/25 19:41	PB170144
53-70-3	Dibenzo(a,h)anthracene	330	U	1	53.1	330	ug/Kg	10/17/25 19:41	PB170144
191-24-2	Benzo(g,h,i)perylene	170	J	1	49.8	330	ug/Kg	10/17/25 19:41	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	330	U	1	49.6	330	ug/Kg	10/17/25 19:41	PB170144
123-91-1	1,4-Dioxane	330	U	1	87.7	330	ug/Kg	10/17/25 19:41	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	330	U	1	53.1	330	ug/Kg	10/17/25 19:41	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	65.3			18 - 112	44%	SPK: 150		
13127-88-3	Phenol-d6	64.9			15 - 107	43%	SPK: 150		
4165-60-0	Nitrobenzene-d5	39.3			18 - 107	39%	SPK: 100		
321-60-8	2-Fluorobiphenyl	35.0			20 - 109	35%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	44.4			10 - 116	30%	SPK: 150		
1718-51-0	Terphenyl-d14	27.5			10 - 105	27%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	95300							
1146-65-2	Naphthalene-d8	358000							
15067-26-2	Acenaphthene-d10	180000							
1517-22-2	Phenanthrene-d10	276000							
1719-03-5	Chrysene-d12	207000							
1520-96-3	Perylene-d12	276000							
TENTATIVE IDENTIFIED COMPOUNDS									
003891-98-3	Dodecane, 2,6,10-trimethyl-	500	J			9.18	ug/Kg		
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	750	J			9.63	ug/Kg		

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-010013-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.5
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000119-61-9	Benzophenone	310	J			10.6	ug/Kg		
000593-49-7	Heptacosane	490	J			11.3	ug/Kg		
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	190	J			12.4	ug/Kg		
000483-65-8	Retene	2100	J			13.1	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143994.D
Acq On : 17 Oct 2025 19:41
Operator : RC/JU
Sample : Q3363-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

Quant Time: Oct 20 11:13:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	95256	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	358249	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	180230	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	275607	20.000	ng		0.00
76) Chrysene-d12	14.057	240	207243	20.000	ng		-0.01
86) Perylene-d12	15.545	264	275767	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	391537	65.272	ng		0.00
7) Phenol-d6	6.498	99	463866	64.876	ng		-0.02
23) Nitrobenzene-d5	7.439	82	231928	39.332	ng		-0.02
42) 2,4,6-Tribromophenol	10.710	330	79717	44.407	ng		-0.01
45) 2-Fluorobiphenyl	9.239	172	397515	34.997	ng		-0.01
79) Terphenyl-d14	12.998	244	333237	27.481	ng		-0.01
Target Compounds							Qvalue
71) Phenanthrene	11.433	178	59711	4.469	ng		97
72) Anthracene	11.486	178	27202m	2.015	ng		
75) Fluoranthene	12.627	202	78903	5.717	ng		98
78) Pyrene	12.857	202	93212	5.395	ng		97
81) Benzo(a)anthracene	14.051	228	71493	5.272	ng	#	85
83) Chrysene	14.086	228	58705	4.677	ng	#	96
87) Indeno(1,2,3-cd)pyrene	17.039	276	36806	2.178	ng		97
88) Benzo(b)fluoranthene	15.110	252	75320m	4.755	ng		
90) Benzo(a)pyrene	15.480	252	69118	5.032	ng	#	89
92) Benzo(g,h,i)perylene	17.498	276	35340	2.600	ng		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

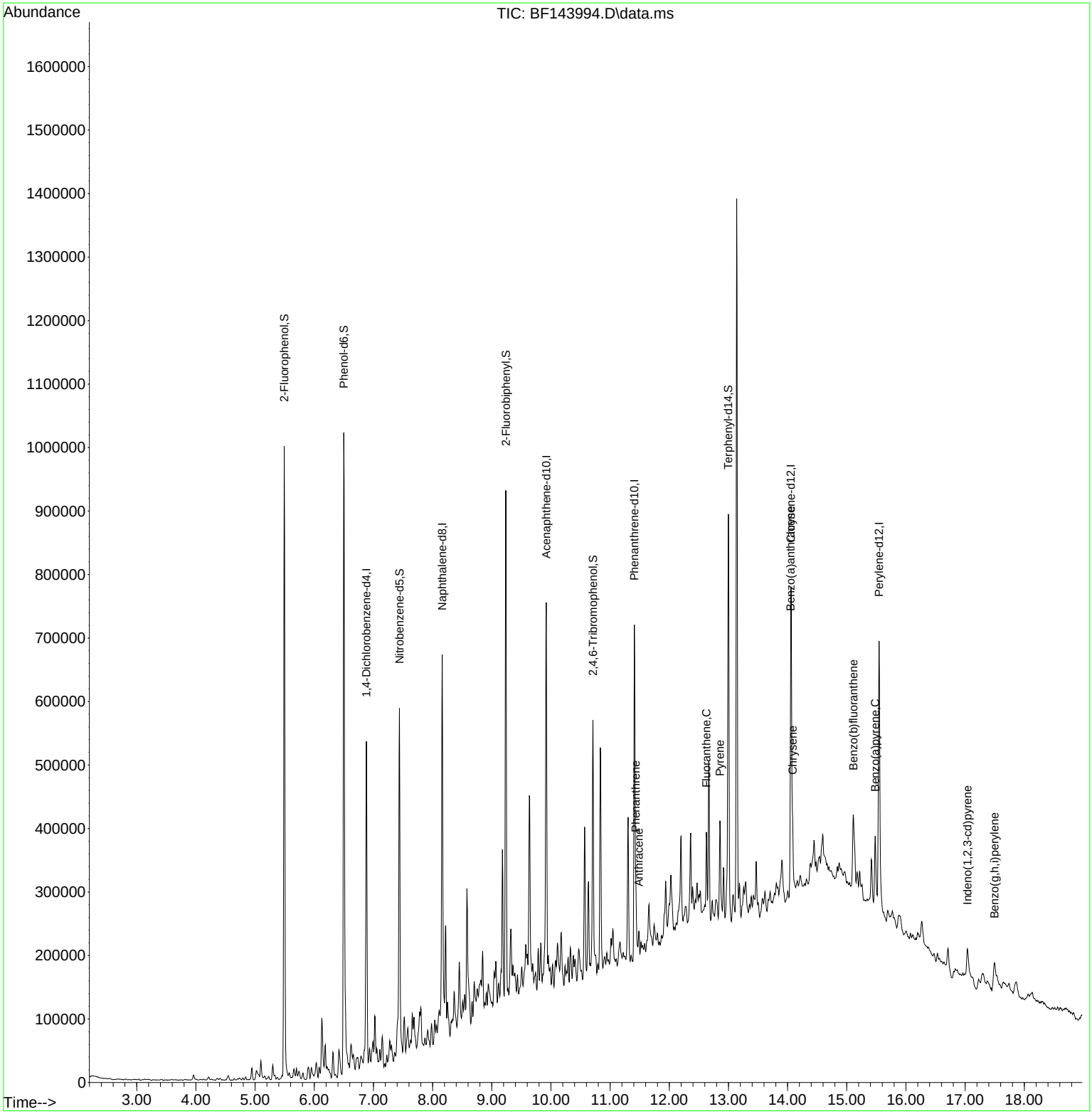
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143994.D
Acq On : 17 Oct 2025 19:41
Operator : RC/JU
Sample : Q3363-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

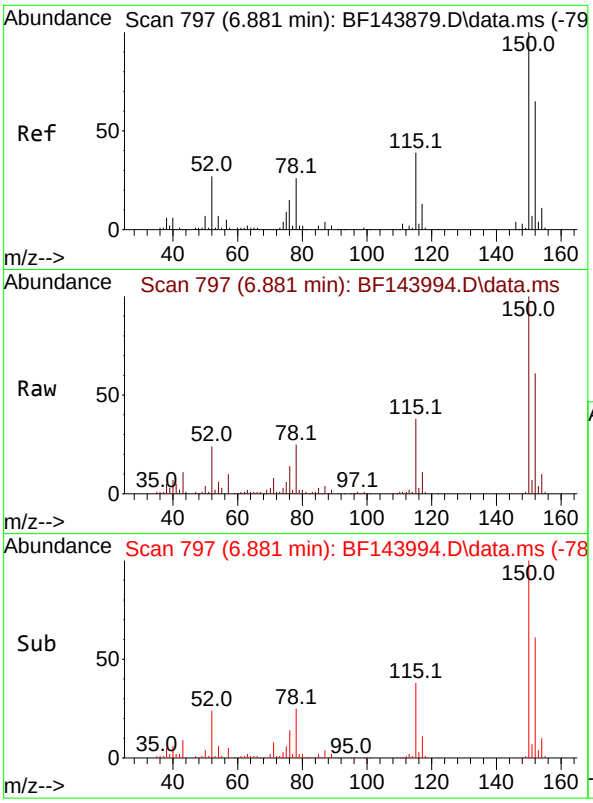
Quant Time: Oct 20 11:13:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

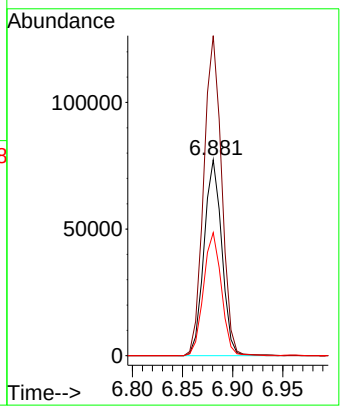




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

Tgt Ion:152 Resp: 9525

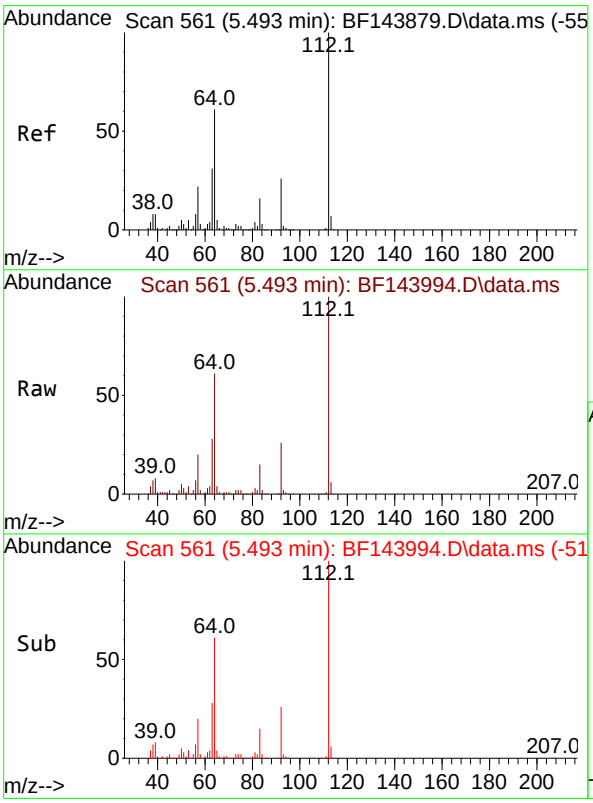
Ion	Ratio	Lower	Upper
152	100		
150	163.4	124.4	186.6
115	62.9	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Manual Integrations
APPROVED

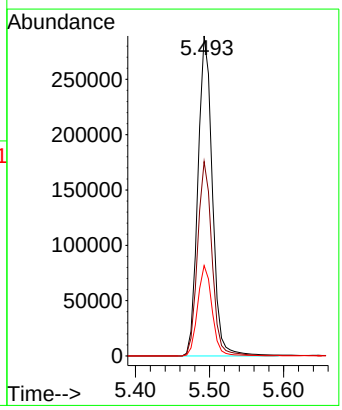
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

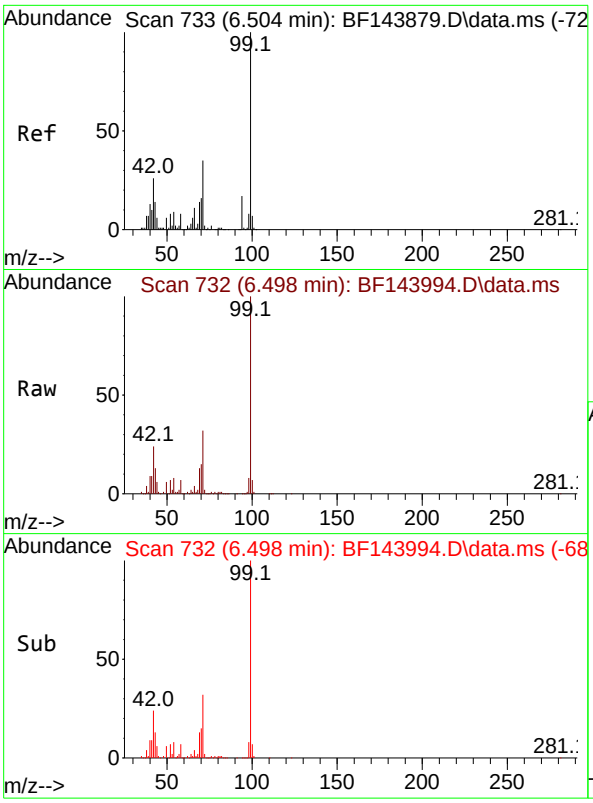


#5
2-Fluorophenol
Concen: 65.272 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

Tgt Ion:112 Resp: 391537

Ion	Ratio	Lower	Upper
112	100		
64	60.8	49.1	73.7
63	28.3	24.5	36.7

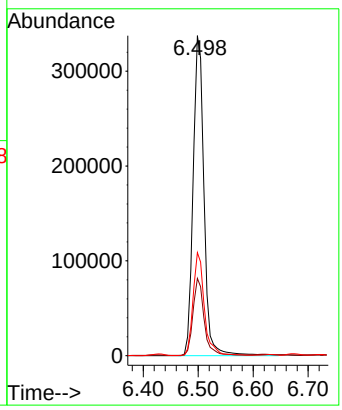




#7
Phenol-d6
Concen: 64.876 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

Tgt Ion: 99 Resp: 46386

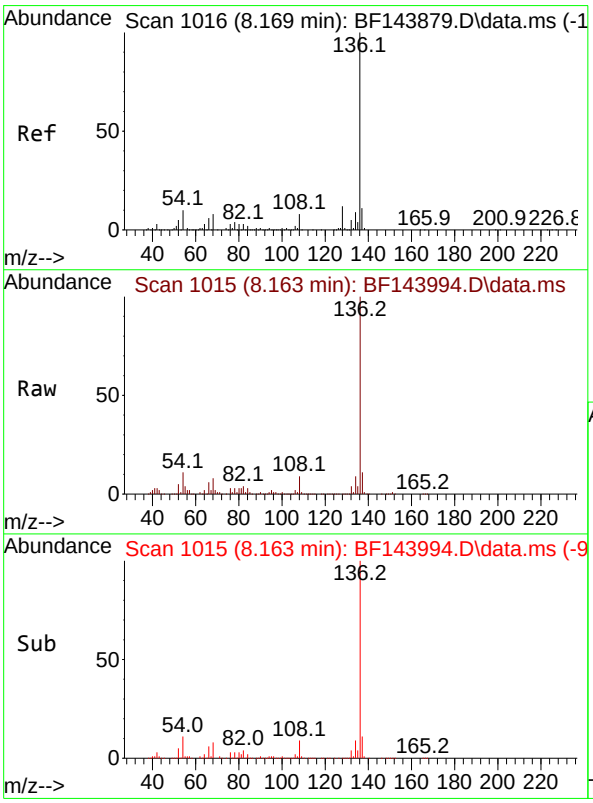
Ion	Ratio	Lower	Upper
99	100		
42	24.2	21.0	31.4
71	32.2	27.8	41.8



Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Manual Integrations
APPROVED

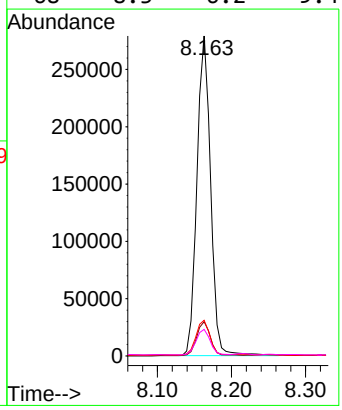
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

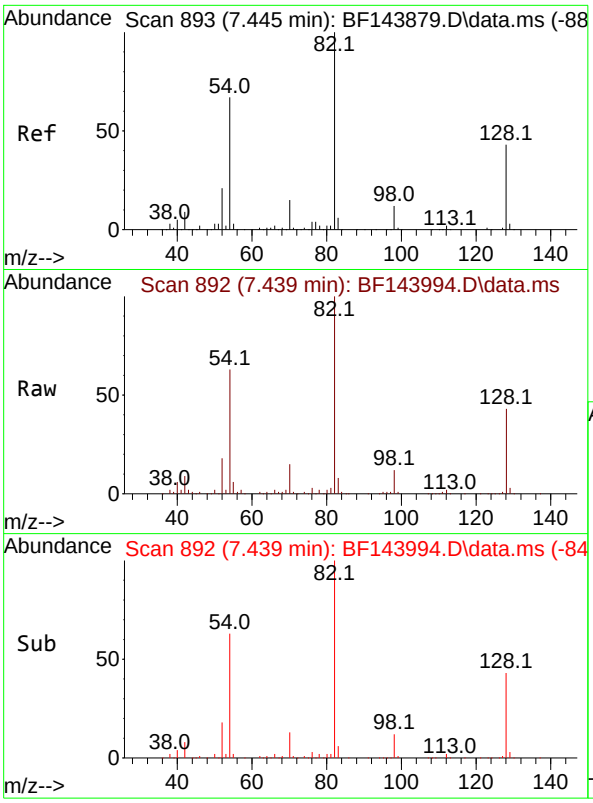


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

Tgt Ion:136 Resp: 358249

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	11.2	8.2	12.4
68	8.3	6.2	9.4

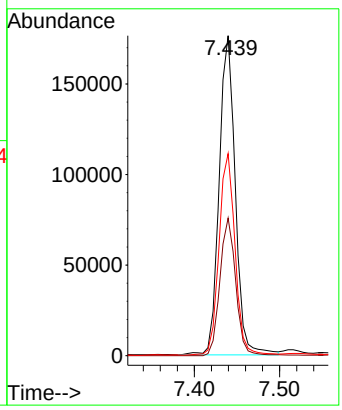




#23
Nitrobenzene-d5
Concen: 39.332 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

Tgt Ion: 82 Resp: 23192

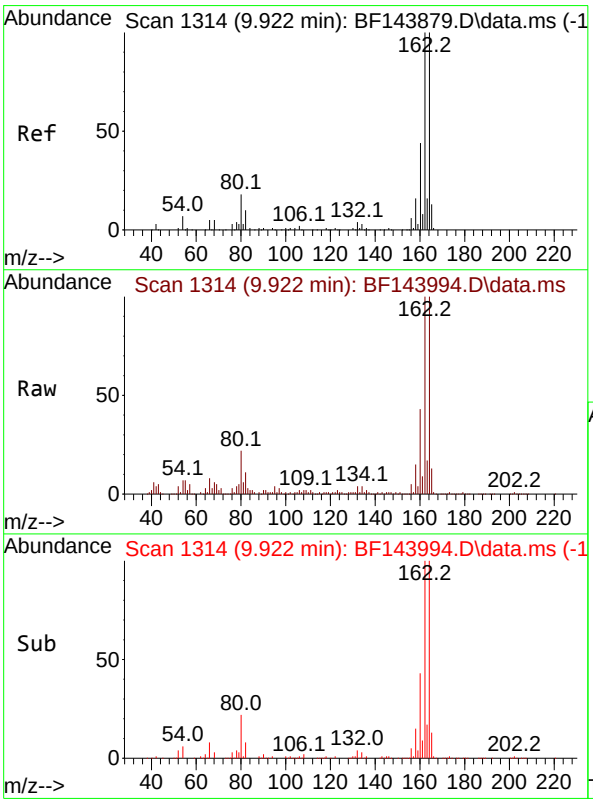
Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.0	51.0
54	63.2	53.2	79.8



Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Manual Integrations
APPROVED

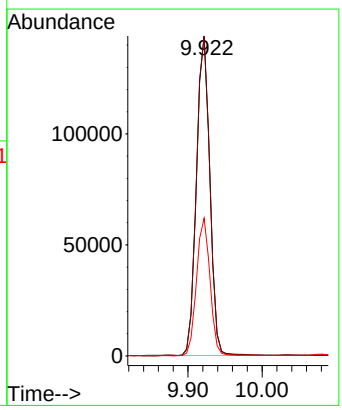
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

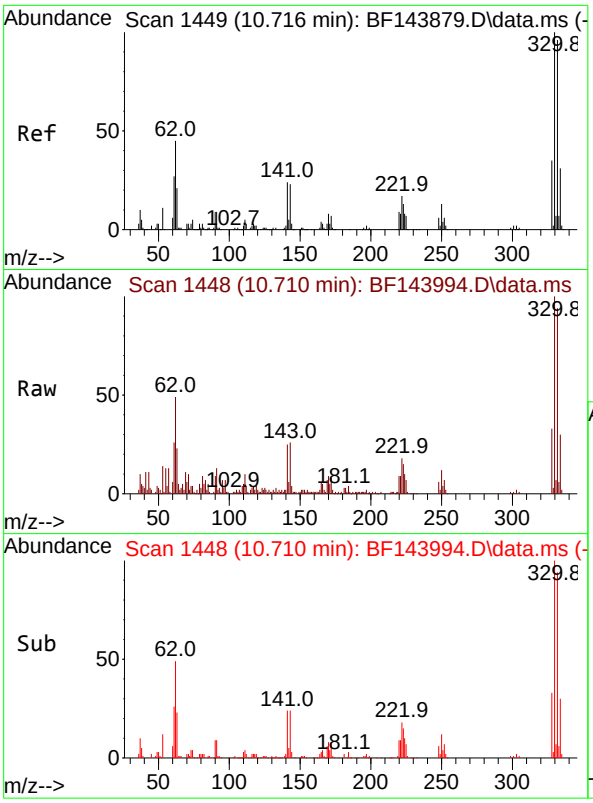


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

Tgt Ion:164 Resp: 180230

Ion	Ratio	Lower	Upper
164	100		
162	100.2	80.2	120.2
160	43.1	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 44.407 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

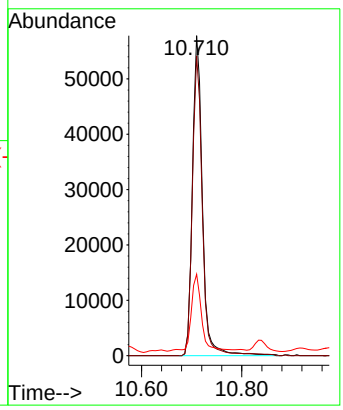
Tgt Ion:330 Resp: 7971

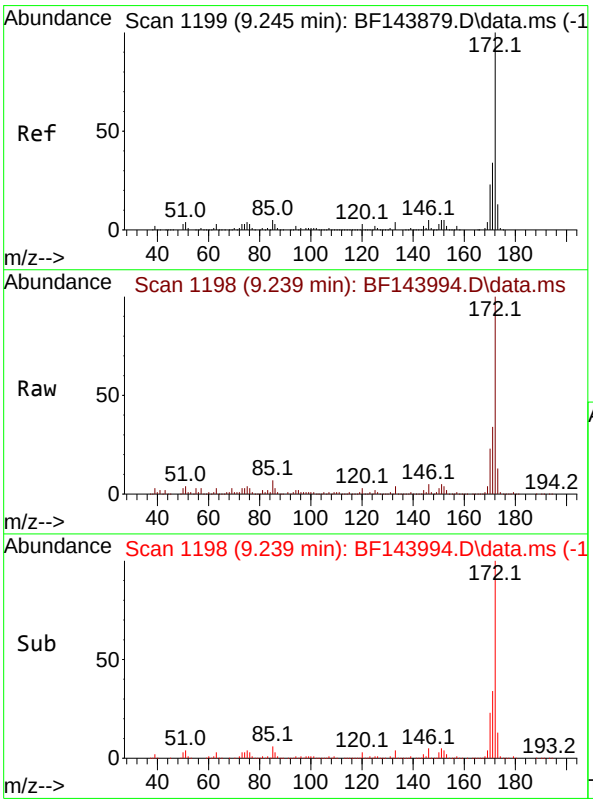
Ion	Ratio	Lower	Upper
330	100		
332	94.2	76.9	115.3
141	24.9	20.2	30.4

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

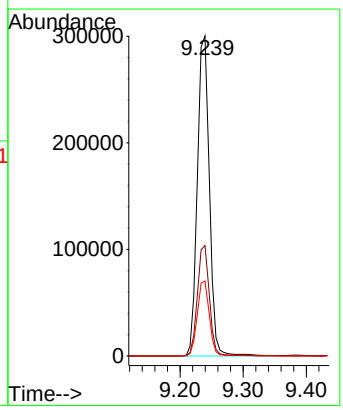


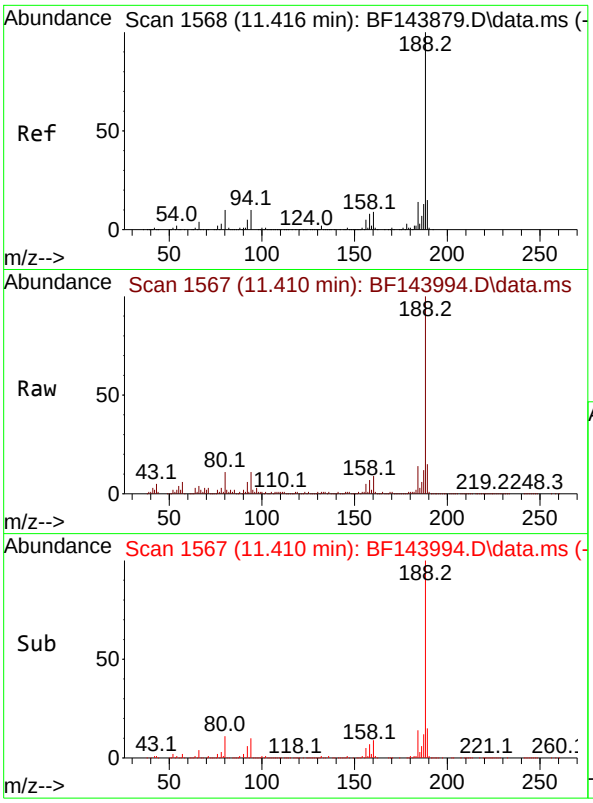


#45
2-Fluorobiphenyl
Concen: 34.997 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

Tgt Ion:172 Resp: 397515

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.4	41.0
170	23.4	18.6	28.0

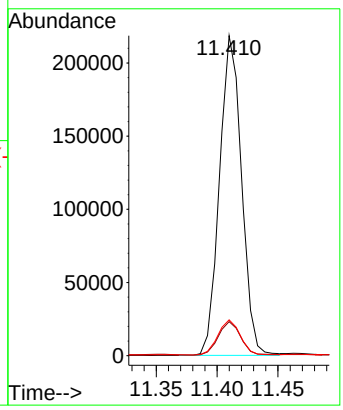




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

Tgt Ion:188 Resp: 27560

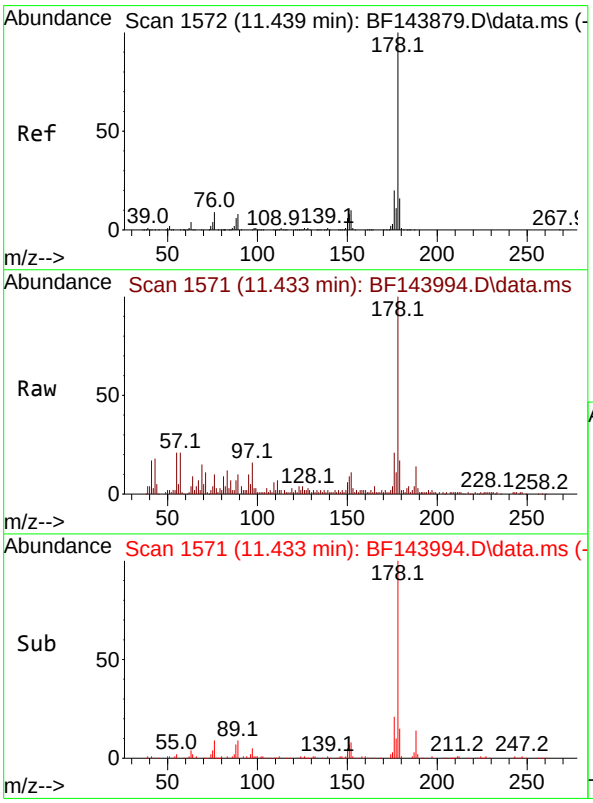
Ion	Ratio	Lower	Upper
188	100		
94	10.7	7.8	11.6
80	11.2	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Manual Integrations
APPROVED

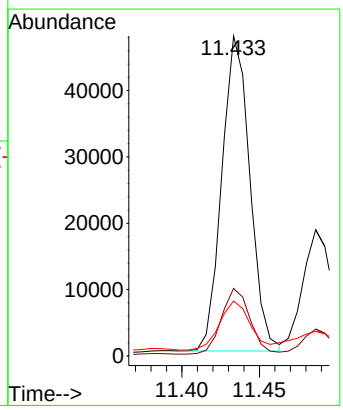
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

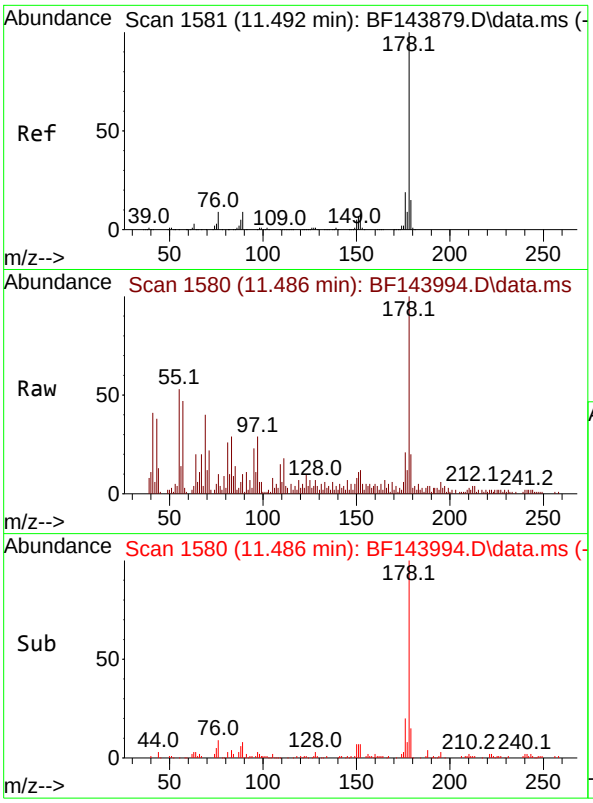


#71
Phenanthrene
Concen: 4.469 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

Tgt Ion:178 Resp: 59711

Ion	Ratio	Lower	Upper
178	100		
176	21.1	15.9	23.9
179	17.2	12.4	18.6

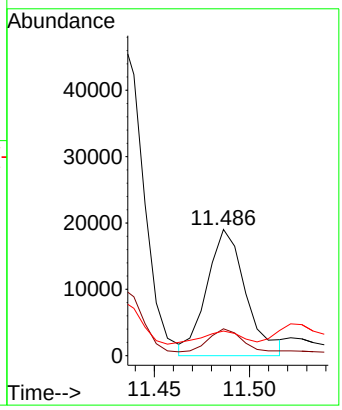




#72
Anthracene
Concen: 2.015 ng m
RT: 11.486 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

Tgt Ion:178 Resp: 2720

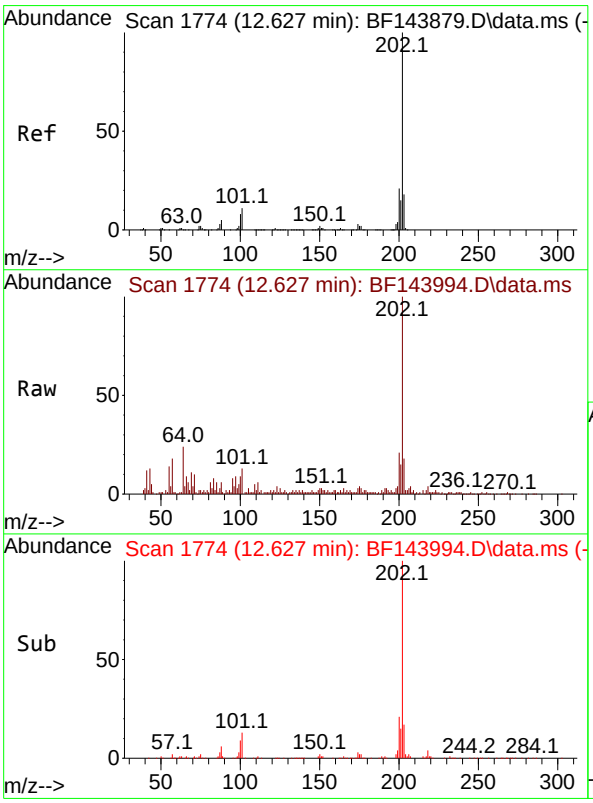
Ion	Ratio	Lower	Upper
178	100		
176	21.3	14.9	22.3
179	19.6	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Manual Integrations
APPROVED

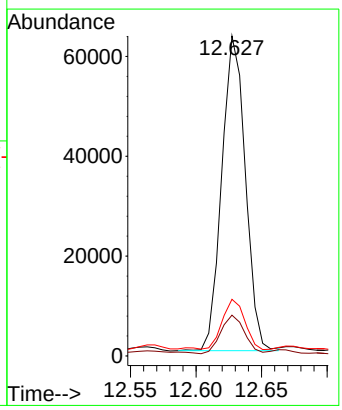
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

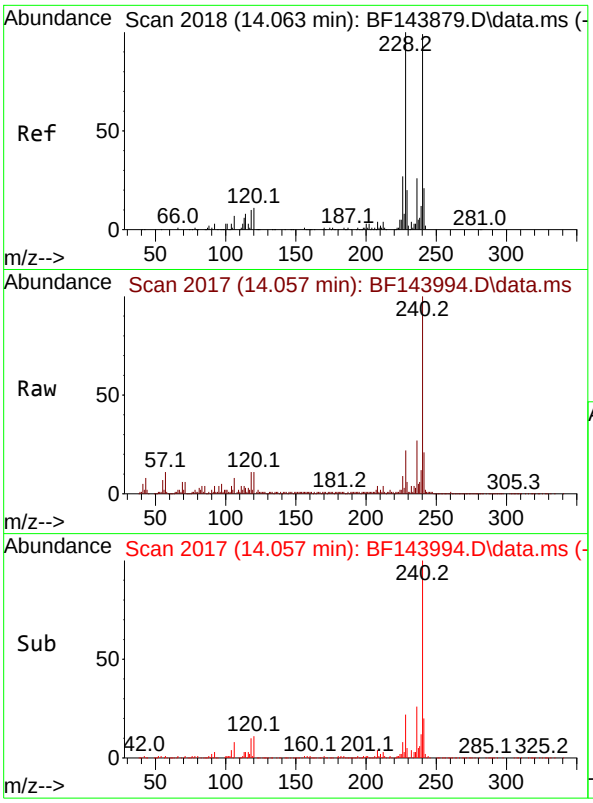


#75
Fluoranthene
Concen: 5.717 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

Tgt Ion:202 Resp: 78903

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	30.7
203	17.7	0.0	37.8

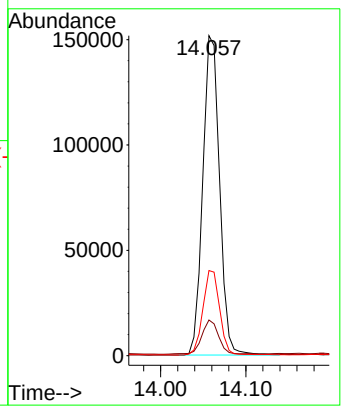




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.011 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

Tgt Ion:240 Resp: 20724

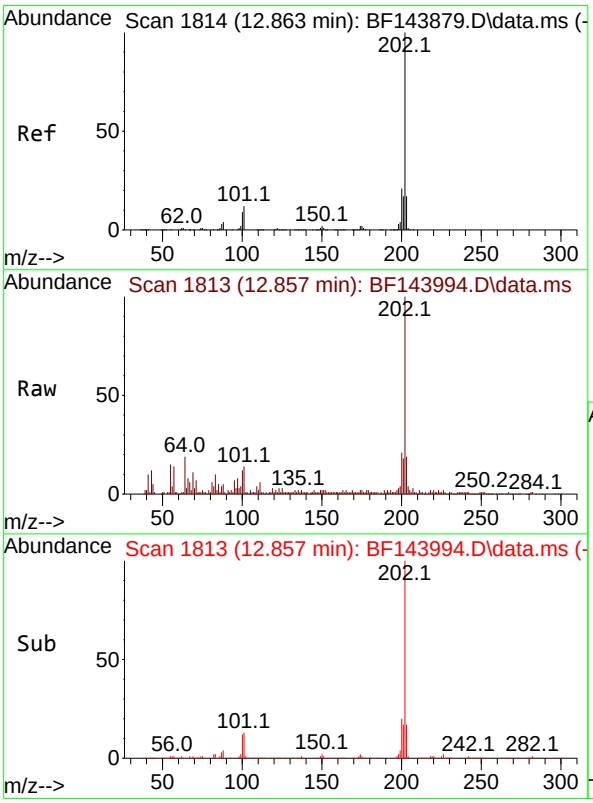
Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.6	13.0
236	26.6	21.1	31.7



Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Manual Integrations
APPROVED

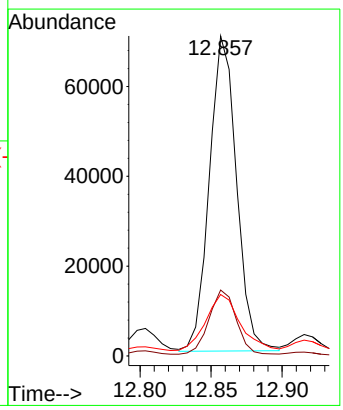
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

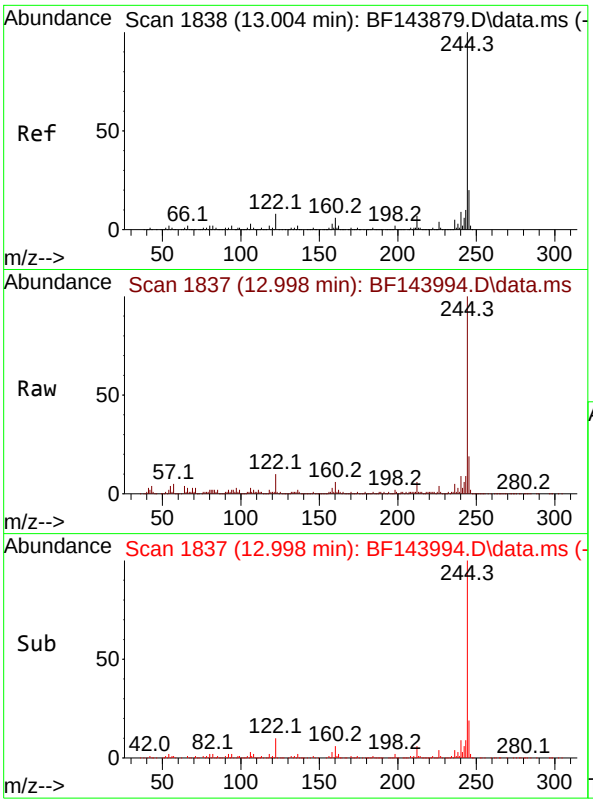


#78
Pyrene
Concen: 5.395 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

Tgt Ion:202 Resp: 93212

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.0	25.6
203	19.2	13.8	20.6





#79
Terphenyl-d14
Concen: 27.481 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

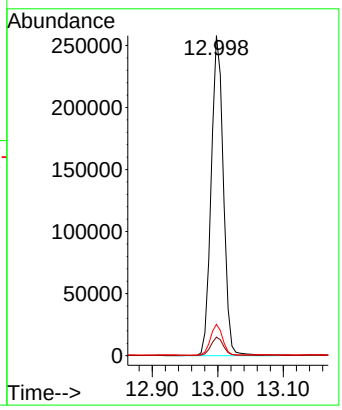
Tgt Ion:244 Resp: 33323

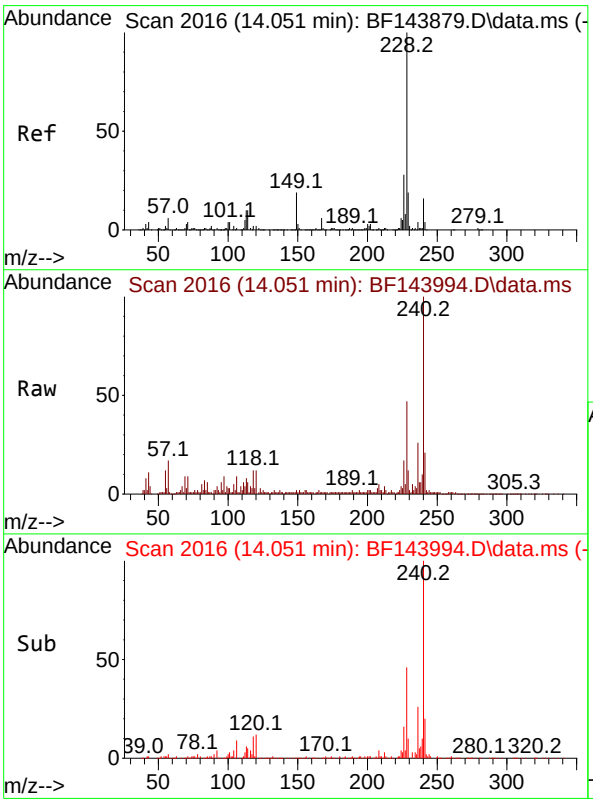
Ion	Ratio	Lower	Upper
244	100		
212	5.8	5.4	8.0
122	9.8	6.4	9.6#

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

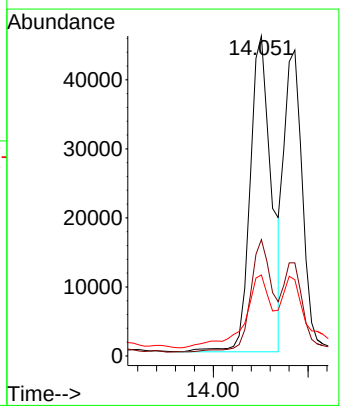


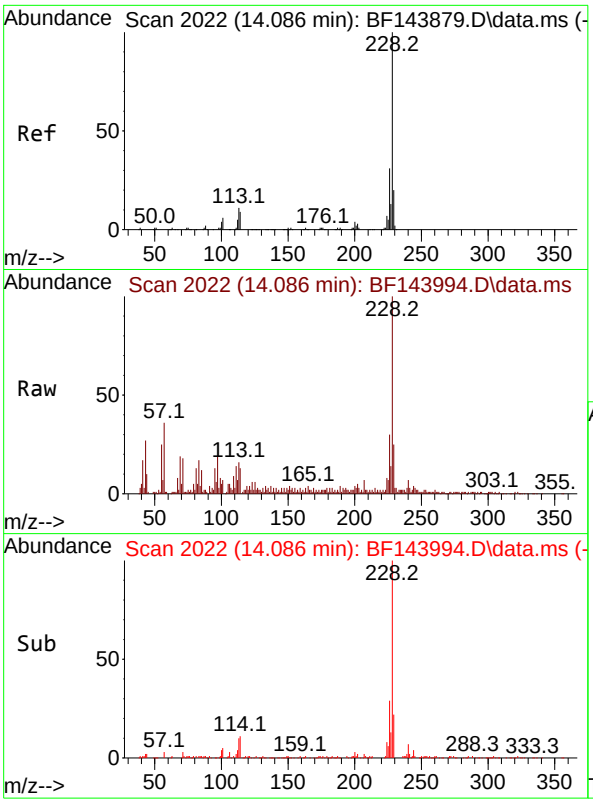


#81
Benzo(a)anthracene
Concen: 5.272 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

Tgt Ion:228 Resp: 71493

Ion	Ratio	Lower	Upper
228	100		
226	36.4	22.2	33.2#
229	25.3	15.6	23.4#

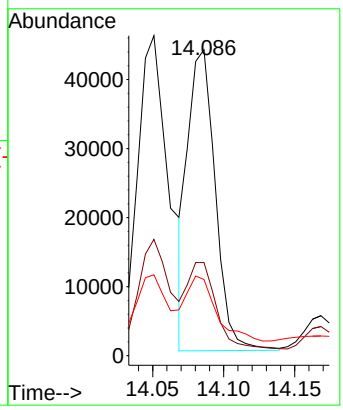




#83
Chrysene
Concen: 4.677 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

Tgt Ion:228 Resp: 5870

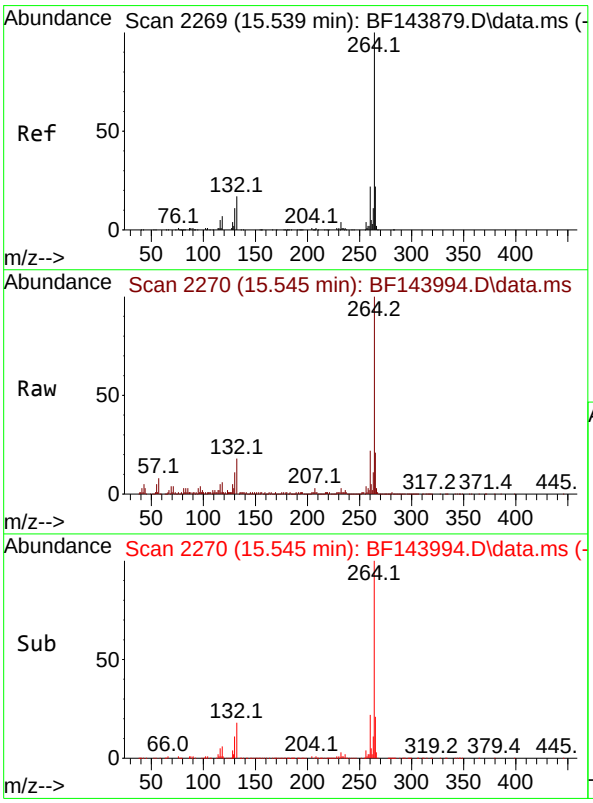
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.4	36.6
229	24.9	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Manual Integrations
APPROVED

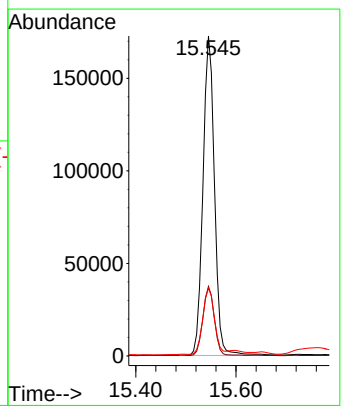
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

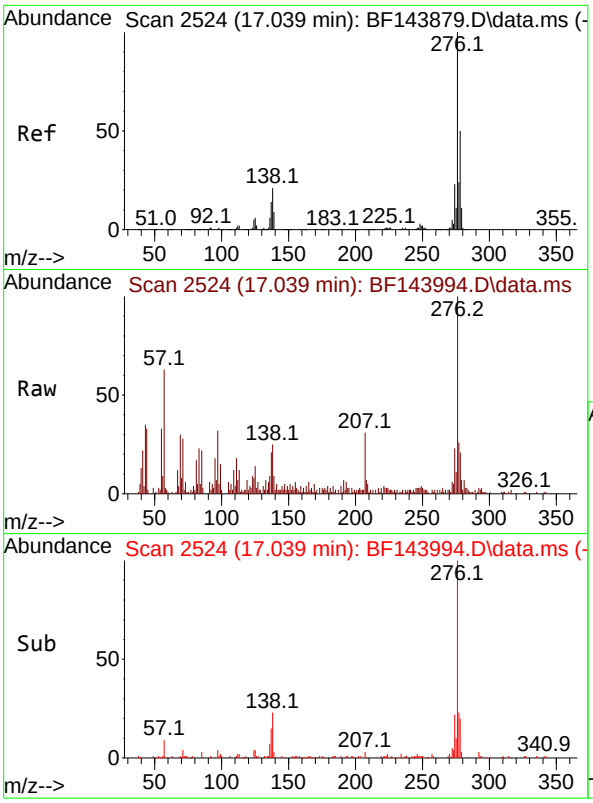


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

Tgt Ion:264 Resp: 275767

Ion	Ratio	Lower	Upper
264	100		
260	21.7	17.8	26.8
265	21.2	17.5	26.3

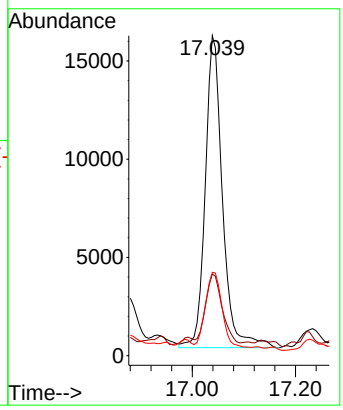




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.178 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

Tgt Ion:276 Resp: 3680

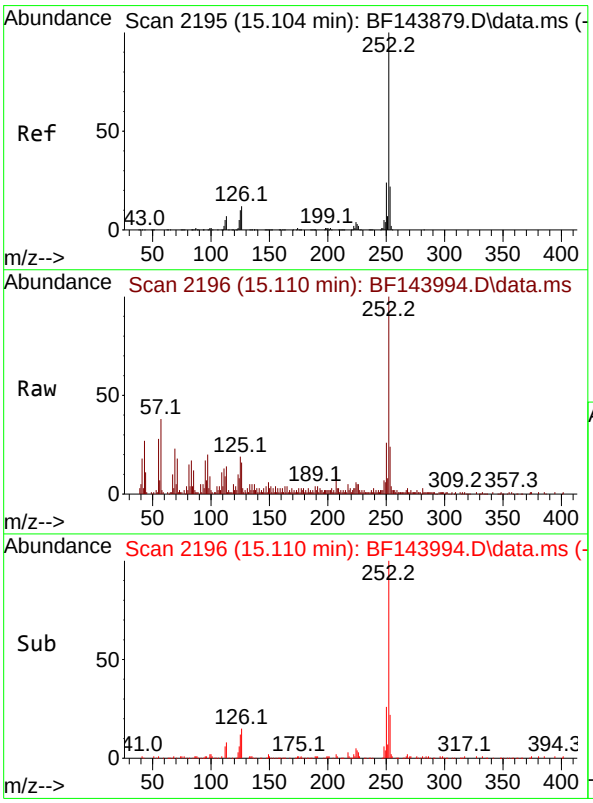
Ion	Ratio	Lower	Upper
276	100		
138	21.3	18.2	27.2
277	23.4	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Manual Integrations
APPROVED

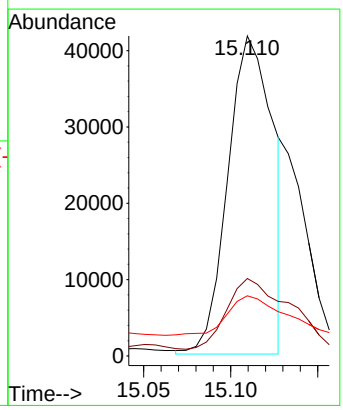
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

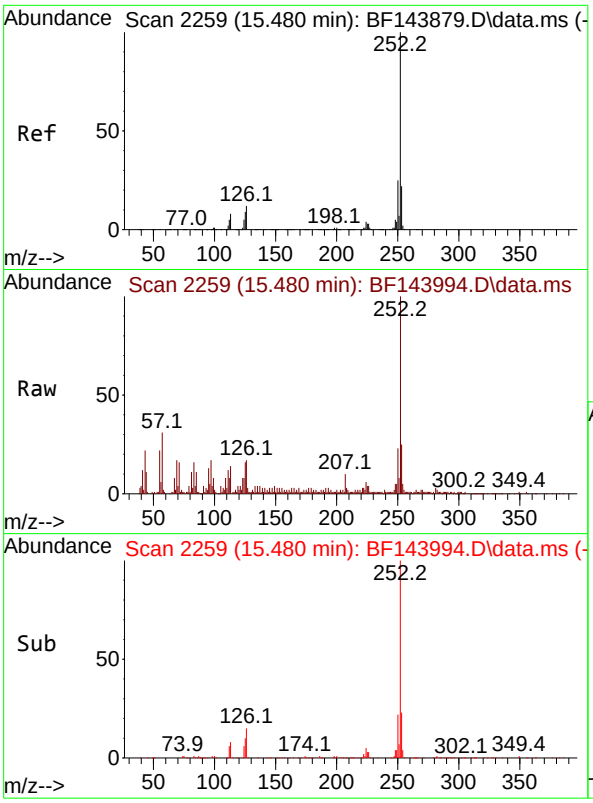


#88
Benzo(b)fluoranthene
Concen: 4.755 ng m
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

Tgt Ion:252 Resp: 75320

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.2
125	18.8	7.8	11.6#

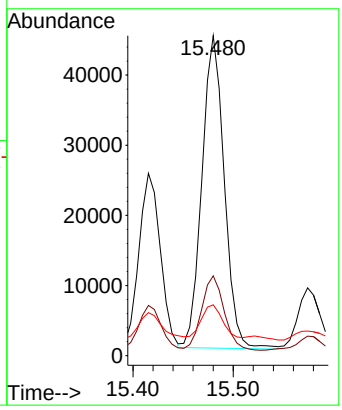




#90
Benzo(a)pyrene
Concen: 5.032 ng
RT: 15.480 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

Tgt Ion:252 Resp: 6911

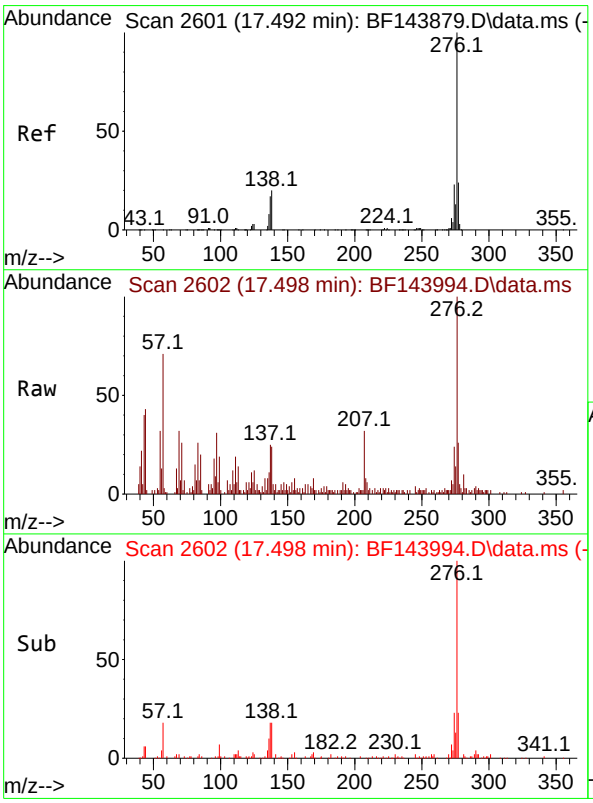
Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.3	25.9
125	15.9	7.0	10.4



Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Manual Integrations
APPROVED

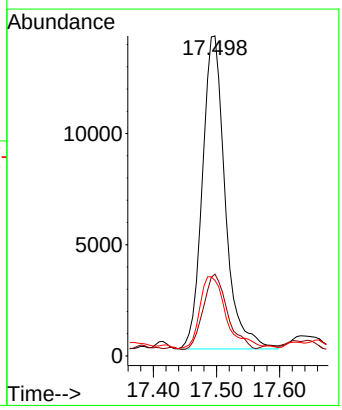
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#92
Benzo(g,h,i)perylene
Concen: 2.600 ng
RT: 17.498 min Scan# 2602
Delta R.T. -0.018 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

Tgt Ion:276 Resp: 35340

Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.0	28.6
138	23.6	16.1	24.1



Sample Results: **BF143994.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143994.D
Acq On : 17 Oct 2025 19:41
Operator : RC/JU
Sample : Q3363-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143994.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.957	292	300	306	rBV	8066	15549	1.03%	0.079%
2	4.546	394	400	408	rVB6	7392	15722	1.04%	0.079%
3	4.945	459	468	473	rVB	18493	27747	1.84%	0.140%
4	5.022	475	481	490	rBV4	14765	43625	2.89%	0.220%
5	5.098	490	494	501	rVB	26493	38348	2.54%	0.194%
6	5.298	523	528	532	rBV2	23052	35869	2.37%	0.181%
7	5.493	556	561	572	rBV	991582	1314928	87.04%	6.641%
8	5.657	584	589	593	rBV3	13548	21640	1.43%	0.109%
9	5.740	599	603	609	rVB4	11719	21770	1.44%	0.110%
10	5.810	609	615	621	rVB4	10381	17406	1.15%	0.088%
11	5.898	624	630	635	rBV4	19305	39440	2.61%	0.199%
12	5.951	635	639	646	rBV3	16712	34039	2.25%	0.172%
13	6.034	646	653	658	rVB3	23092	44063	2.92%	0.223%
14	6.081	658	661	664	rBV2	15904	22273	1.47%	0.112%
15	6.128	664	669	675	rBV2	87388	141589	9.37%	0.715%
16	6.187	675	679	682	rVB	36931	44668	2.96%	0.226%
17	6.316	696	701	706	rBV2	40110	64038	4.24%	0.323%
18	6.416	713	718	726	rBV3	43705	96114	6.36%	0.485%
19	6.498	727	732	745	rBV	1010108	1510802	100.00%	7.630%
20	6.622	748	753	757	rBV4	36462	71281	4.72%	0.360%
21	6.657	757	759	765	rVB3	23845	34962	2.31%	0.177%
22	6.716	765	769	771	rBV3	18406	31173	2.06%	0.157%
23	6.787	776	781	788	rVV4	25551	77378	5.12%	0.391%
24	6.845	788	791	792	rVV3	33821	40944	2.71%	0.207%
25	6.881	792	797	802	rVV2	519195	731800	48.44%	3.696%
26	6.934	802	806	810	rVV3	34420	63422	4.20%	0.320%
27	6.992	810	816	818	rVV4	44417	93650	6.20%	0.473%
28	7.022	818	821	825	rVV2	83771	133336	8.83%	0.673%
29	7.057	825	827	830	rVV	31593	40711	2.69%	0.206%
30	7.104	832	835	838	rVV	28797	42315	2.80%	0.214%
31	7.151	838	843	847	rVB2	49002	80577	5.33%	0.407%
32	7.228	852	856	858	rBV2	17635	22187	1.47%	0.112%
33	7.275	860	864	867	rBV2	29564	43245	2.86%	0.218%
34	7.357	875	878	881	rBV4	14155	21322	1.41%	0.108%
35	7.439	887	892	901	rVB	541081	768664	50.88%	3.882%
36	7.522	901	906	910	rVB4	55519	86256	5.71%	0.436%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143994.D
Acq On : 17 Oct 2025 19:41
Operator : RC/JU
Sample : Q3363-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	7.581	910	916	920	rBV3	37671	71568	4.74%	0.361%
38	7.657	926	929	931	rBV2	46851	52805	3.50%	0.267%
39	7.686	931	934	941	rVB4	48911	79808	5.28%	0.403%
40	7.781	943	950	951	rBV2	53004	85268	5.64%	0.431%
41	7.916	969	973	980	rVB6	25324	49452	3.27%	0.250%
42	7.981	980	984	989	rBV4	36076	52073	3.45%	0.263%
43	8.034	989	993	996	rBV3	38527	59664	3.95%	0.301%
44	8.110	1001	1006	1009	rVV4	39289	81762	5.41%	0.413%
45	8.163	1010	1015	1021	rVV	595029	870872	57.64%	4.398%
46	8.216	1021	1024	1028	rVV	162330	220551	14.60%	1.114%
47	8.251	1028	1030	1037	rVB6	53633	91824	6.08%	0.464%
48	8.316	1037	1041	1042	rBV2	24021	29201	1.93%	0.147%
49	8.363	1046	1049	1057	rVB4	55460	94994	6.29%	0.480%
50	8.451	1059	1064	1070	rBV4	90333	139747	9.25%	0.706%
51	8.510	1071	1074	1076	rBV3	25874	30850	2.04%	0.156%
52	8.545	1077	1080	1082	rVV3	26025	30732	2.03%	0.155%
53	8.581	1082	1086	1097	rVB	212320	391092	25.89%	1.975%
54	8.669	1098	1101	1103	rBV	31600	34760	2.30%	0.176%
55	8.704	1103	1107	1112	rBV5	55689	102353	6.77%	0.517%
56	8.845	1128	1131	1135	rVB	87680	113092	7.49%	0.571%
57	8.939	1144	1147	1157	rBV8	33492	76295	5.05%	0.385%
58	9.039	1161	1164	1166	rBV3	51680	72057	4.77%	0.364%
59	9.116	1174	1177	1180	rBV3	27961	37084	2.45%	0.187%
60	9.157	1181	1184	1185	rVV3	41965	45986	3.04%	0.232%
61	9.181	1185	1188	1193	rVB	230980	278748	18.45%	1.408%
62	9.233	1193	1197	1203	rBV	796259	1049410	69.46%	5.300%
63	9.322	1207	1212	1216	rBV4	103274	178991	11.85%	0.904%
64	9.633	1261	1265	1273	rVB3	276645	417673	27.65%	2.109%
65	9.786	1287	1291	1294	rBV3	64965	87568	5.80%	0.442%
66	9.828	1295	1298	1302	rVB3	62667	83590	5.53%	0.422%
67	9.922	1309	1314	1318	rVB	569213	720007	47.66%	3.636%
68	10.175	1353	1357	1364	rVB3	83164	158035	10.46%	0.798%
69	10.239	1365	1368	1370	rBV3	31616	39834	2.64%	0.201%
70	10.328	1380	1383	1388	rBV4	54399	83497	5.53%	0.422%
71	10.569	1419	1424	1430	rBV	239696	356025	23.57%	1.798%
72	10.633	1431	1435	1439	rVV	134344	174332	11.54%	0.880%
73	10.710	1444	1448	1454	rVB	372535	479733	31.75%	2.423%
74	10.833	1465	1469	1476	rBV	349207	485459	32.13%	2.452%
75	11.304	1545	1549	1555	rVB	226781	316323	20.94%	1.597%
76	11.410	1563	1567	1576	rBV2	530038	840674	55.64%	4.246%

Sample Results: **BF143994.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143994.D
Acq On : 17 Oct 2025 19:41
Operator : RC/JU
Sample : Q3363-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	12.198	1698	1701	1707	rVB3	134369	181770	12.03%	0.918%
78	12.363	1726	1729	1732	rVB	110672	125359	8.30%	0.633%
79	12.627	1771	1774	1777	rBV	119269	141784	9.38%	0.716%
80	12.669	1777	1781	1786	rVB	251973	320755	21.23%	1.620%
81	12.857	1810	1813	1820	rVV	142142	193455	12.80%	0.977%
82	12.916	1821	1823	1827	rVB	79132	90436	5.99%	0.457%
83	12.998	1833	1837	1846	rVB	641620	891307	59.00%	4.501%
84	13.139	1856	1861	1866	rBV	1123474	1454547	96.28%	7.346%
85	14.057	2012	2017	2030	rBV2	486415	913025	60.43%	4.611%
86	15.480	2256	2259	2265	rVV	93382	135677	8.98%	0.685%
87	15.545	2265	2270	2282	rVB	427514	756634	50.08%	3.821%

Sum of corrected areas: 19801391

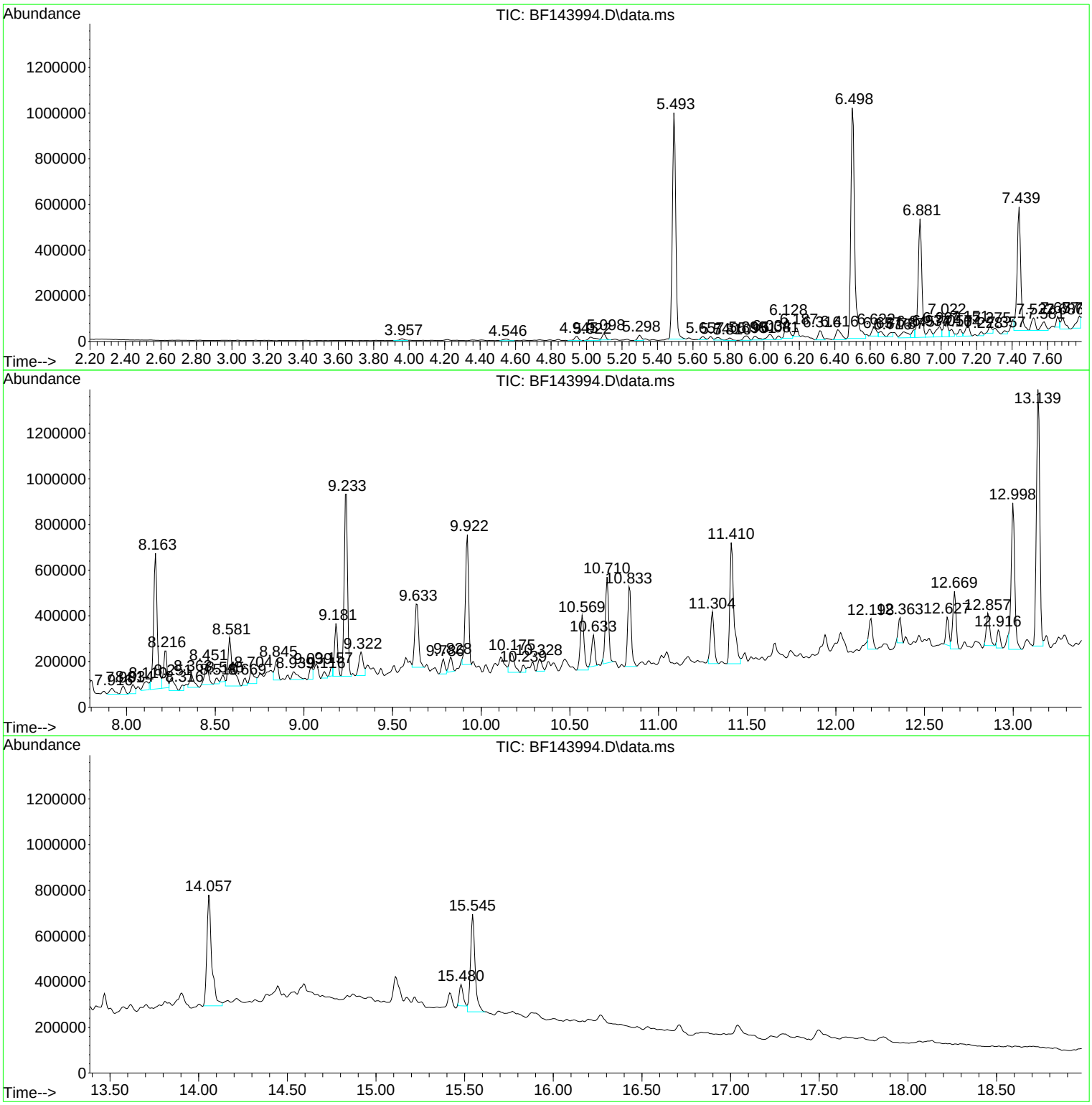
Sample Results: **BF143994.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143994.D
Acq On : 17 Oct 2025 19:41
Operator : RC/JU
Sample : Q3363-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143994.D
Acq On : 17 Oct 2025 19:41
Operator : RC/JU
Sample : Q3363-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

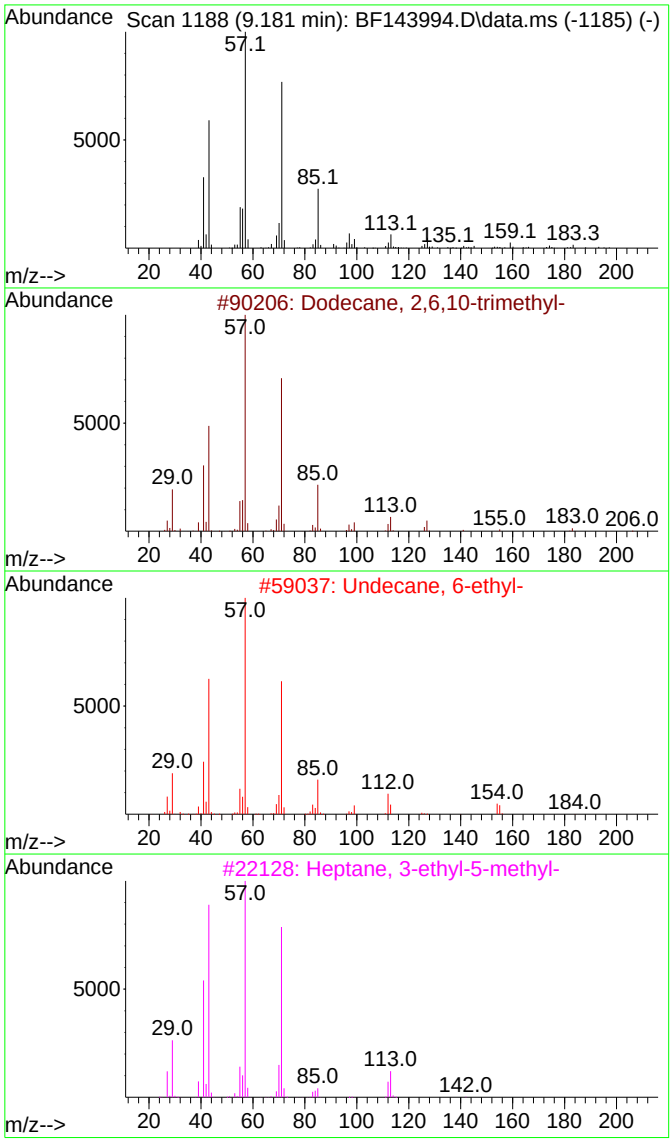
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

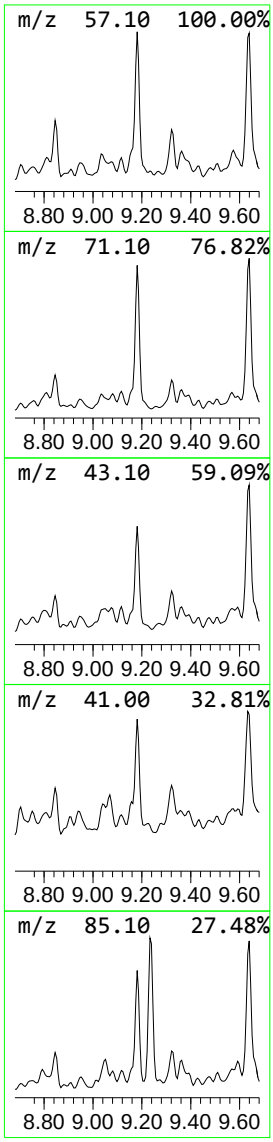
****

Peak Number 9 Dodecane, 2,6,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.181	7.74 ng	278748	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
2	Undecane, 6-ethyl-	184	C13H28	017312-60-6	78
3	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	64
4	Nonane, 5-butyl-	184	C13H28	017312-63-9	64
5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143994.D
Acq On : 17 Oct 2025 19:41
Operator : RC/JU
Sample : Q3363-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

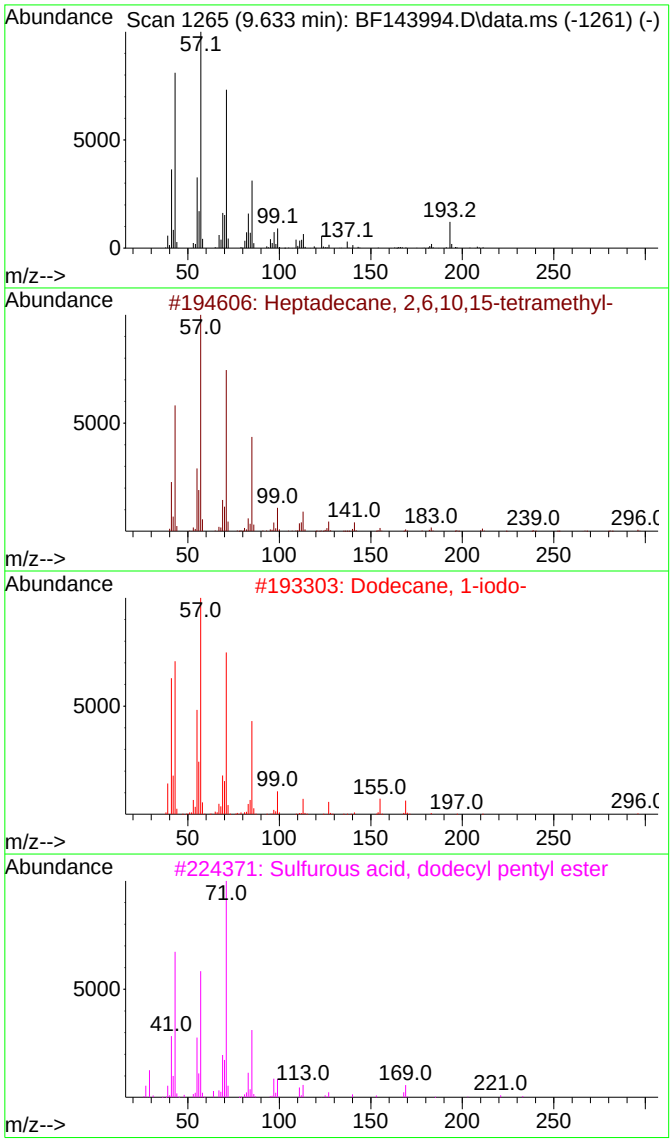
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

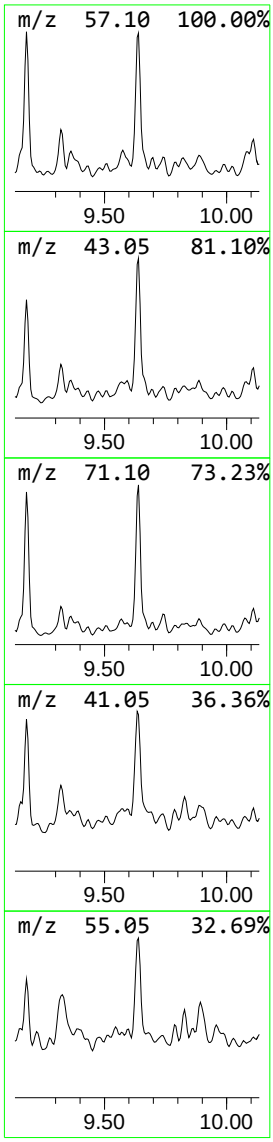
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Heptadecane, 2,6,10,15-tetr... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.633	11.60 ng	417673	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
3	Sulfurous acid, dodecyl pentyl e...	320	C17H36O3S	1000309-14-5	72
4	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	72
5	Sulfurous acid, pentyl undecyl e...	306	C16H34O3S	1000309-14-4	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143994.D
Acq On : 17 Oct 2025 19:41
Operator : RC/JU
Sample : Q3363-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

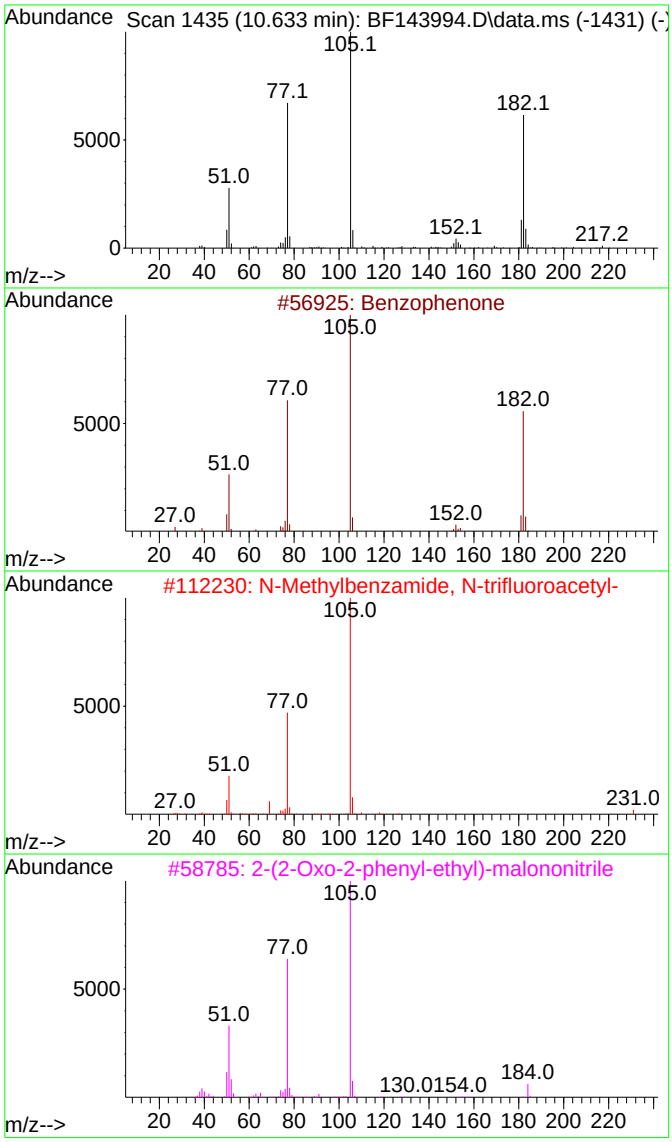
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

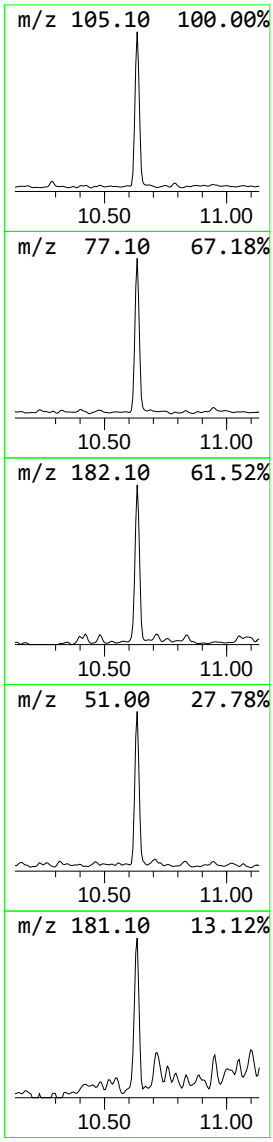
****

Peak Number 15 Benzophenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.633	4.84 ng	174332	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
3	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47
4	2-Pyrazoline-3-carbonitrile, 1-b...	199	C11H9N3O	067872-68-8	47
5	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143994.D
Acq On : 17 Oct 2025 19:41
Operator : RC/JU
Sample : Q3363-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

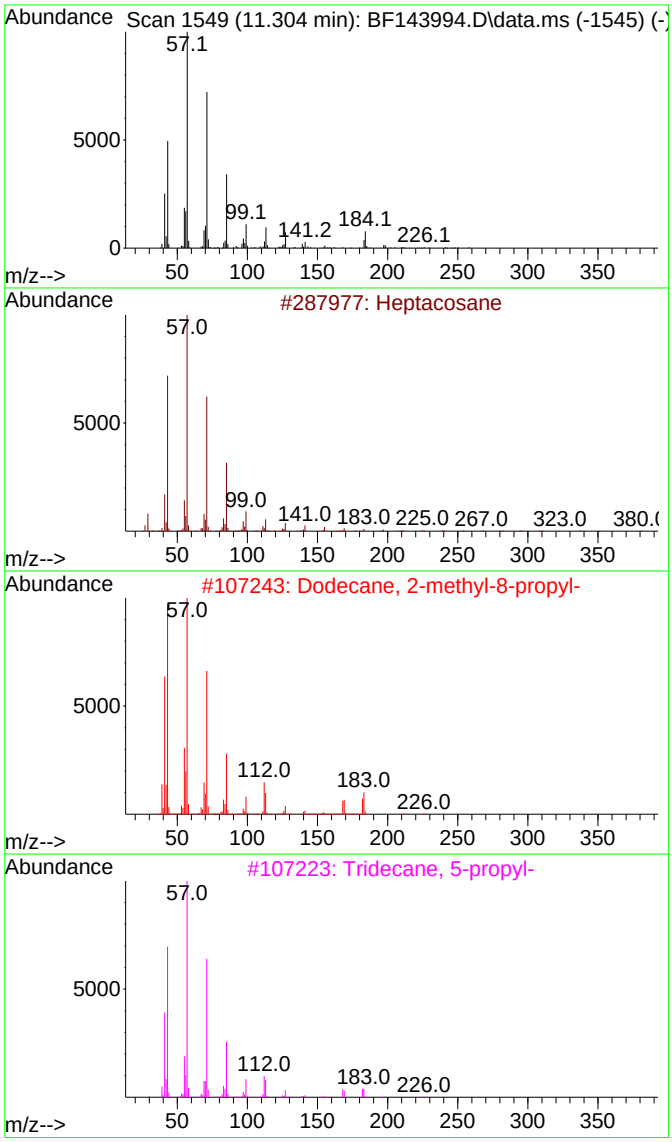
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

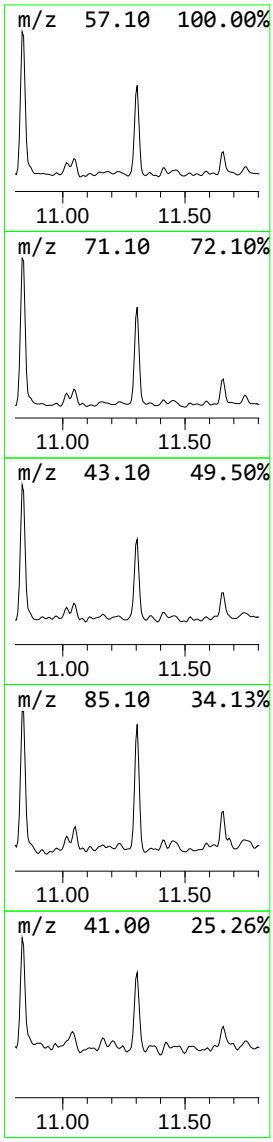
****

Peak Number 17 Heptacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.304	7.53 ng	316323	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	87
2	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	83
3	Tridecane, 5-propyl-	226	C16H34	055045-11-9	78
4	Tetracosane	338	C24H50	000646-31-1	72
5	Tridecane	184	C13H28	000629-50-5	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143994.D
Acq On : 17 Oct 2025 19:41
Operator : RC/JU
Sample : Q3363-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

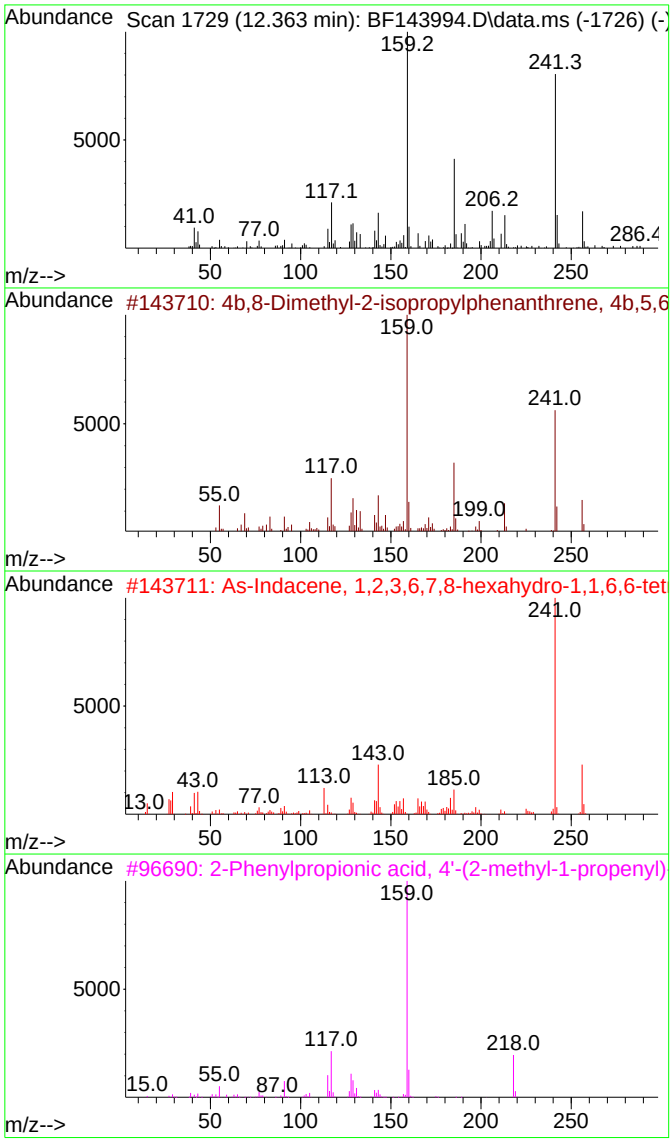
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

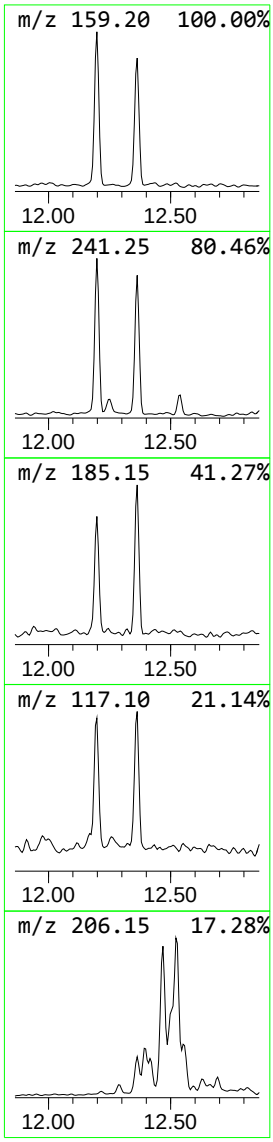
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 4b,8-Dimethyl-2-isopropylph... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.363	2.98 ng	125359	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	90
2	As-Indacene, 1,2,3,6,7,8-hexahyd...	256	C19H28	017465-47-3	30
3	2-Phenylpropionic acid, 4'-(2-me...	218	C14H18O2	1010454-94-3	25
4	Benzene, 1,1'-(1-methylethyliden...	256	C17H20O2	001568-83-8	22
5	2,5-Bis((trimethylsilyl)oxy)pyra...	256	C10H20N2O2Si2	362516-09-4	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143994.D
Acq On : 17 Oct 2025 19:41
Operator : RC/JU
Sample : Q3363-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

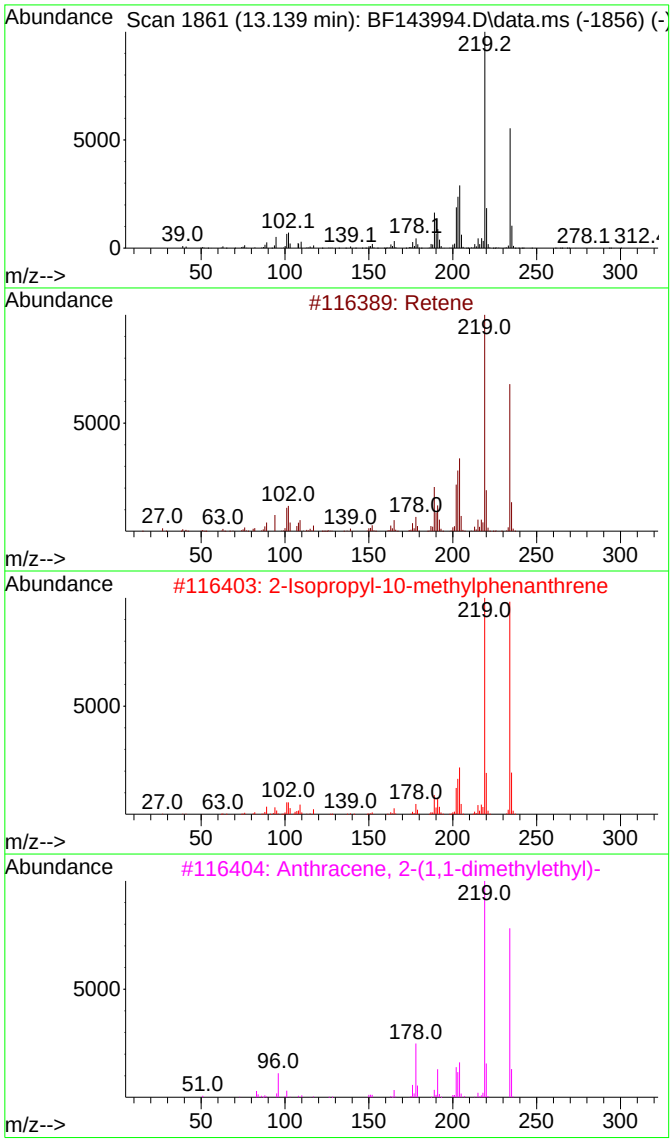
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

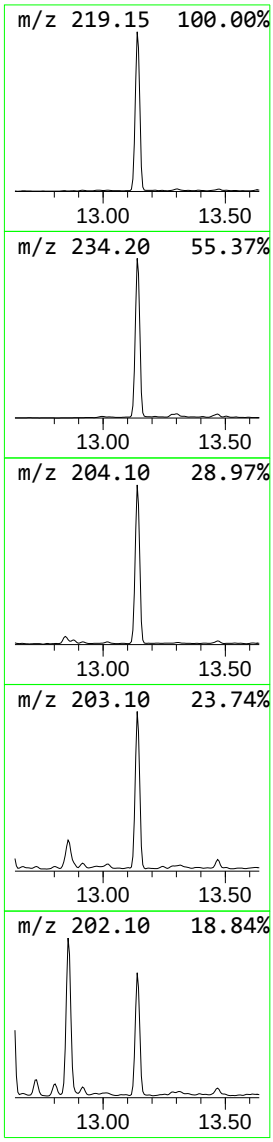
****

Peak Number 20 Retene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.139	31.86 ng	1454550	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	98
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	94
3	Anthracene, 2-(1,1-dimethylethyl)-	234	C18H18	018801-00-8	83
4	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	76
5	Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143994.D
Acq On : 17 Oct 2025 19:41
Operator : RC/JU
Sample : Q3363-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Dodecane, 2,6,1...	9.181	7.7	ng	278748	3	9.922	720007	20.0
Heptadecane, 2,...	9.633	11.6	ng	417673	3	9.922	720007	20.0
Benzophenone	10.633	4.8	ng	174332	3	9.922	720007	20.0
Heptacosane	11.304	7.5	ng	316323	4	11.410	840674	20.0
4b,8-Dimethyl-2...	12.363	3.0	ng	125359	4	11.410	840674	20.0
Retene	13.139	31.9	ng	1454550	5	14.057	913025	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	590	U	1	280	590	ug/Kg	10/17/25 16:29	PB170144
108-95-2	Phenol	310	U	1	39.8	310	ug/Kg	10/17/25 16:29	PB170144
111-44-4	bis(2-Chloroethyl)ether	310	U	1	43.8	310	ug/Kg	10/17/25 16:29	PB170144
95-57-8	2-Chlorophenol	310	U	1	43.9	310	ug/Kg	10/17/25 16:29	PB170144
95-48-7	2-Methylphenol	310	U	1	53.8	310	ug/Kg	10/17/25 16:29	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	310	U	1	67.5	310	ug/Kg	10/17/25 16:29	PB170144
98-86-2	Acetophenone	310	U	1	53.1	310	ug/Kg	10/17/25 16:29	PB170144
65794-96-9	3+4-Methylphenols	590	U	1	74.0	590	ug/Kg	10/17/25 16:29	PB170144
621-64-7	n-Nitroso-di-n-propylamine	140	U	1	85.4	140	ug/Kg	10/17/25 16:29	PB170144
67-72-1	Hexachloroethane	310	U	1	31.7	310	ug/Kg	10/17/25 16:29	PB170144
98-95-3	Nitrobenzene	310	U	1	33.0	310	ug/Kg	10/17/25 16:29	PB170144
78-59-1	Isophorone	310	U	1	59.1	310	ug/Kg	10/17/25 16:29	PB170144
88-75-5	2-Nitrophenol	310	U	1	100	310	ug/Kg	10/17/25 16:29	PB170144
105-67-9	2,4-Dimethylphenol	310	U	1	120	310	ug/Kg	10/17/25 16:29	PB170144
111-91-1	bis(2-Chloroethoxy)methane	310	U	1	55.5	310	ug/Kg	10/17/25 16:29	PB170144
120-83-2	2,4-Dichlorophenol	310	U	1	51.0	310	ug/Kg	10/17/25 16:29	PB170144
91-20-3	Naphthalene	310	U	1	40.9	310	ug/Kg	10/17/25 16:29	PB170144
106-47-8	4-Chloroaniline	310	U	1	63.8	310	ug/Kg	10/17/25 16:29	PB170144
87-68-3	Hexachlorobutadiene	310	U	1	45.6	310	ug/Kg	10/17/25 16:29	PB170144
105-60-2	Caprolactam	590	U	1	93.8	590	ug/Kg	10/17/25 16:29	PB170144
59-50-7	4-Chloro-3-methylphenol	310	U	1	51.7	310	ug/Kg	10/17/25 16:29	PB170144
91-57-6	2-Methylnaphthalene	310	U	1	46.1	310	ug/Kg	10/17/25 16:29	PB170144
77-47-4	Hexachlorocyclopentadiene	590	U	1	210	590	ug/Kg	10/17/25 16:29	PB170144
88-06-2	2,4,6-Trichlorophenol	310	U	1	35.7	310	ug/Kg	10/17/25 16:29	PB170144
95-95-4	2,4,5-Trichlorophenol	310	U	1	52.4	310	ug/Kg	10/17/25 16:29	PB170144
92-52-4	1,1-Biphenyl	310	U	1	39.3	310	ug/Kg	10/17/25 16:29	PB170144
91-58-7	2-Chloronaphthalene	310	U	1	40.5	310	ug/Kg	10/17/25 16:29	PB170144
88-74-4	2-Nitroaniline	310	U	1	86.6	310	ug/Kg	10/17/25 16:29	PB170144
131-11-3	Dimethylphthalate	310	U	1	48.8	310	ug/Kg	10/17/25 16:29	PB170144
208-96-8	Acenaphthylene	310	U	1	52.0	310	ug/Kg	10/17/25 16:29	PB170144
606-20-2	2,6-Dinitrotoluene	310	U	1	60.5	310	ug/Kg	10/17/25 16:29	PB170144
99-09-2	3-Nitroaniline	310	U	1	82.8	310	ug/Kg	10/17/25 16:29	PB170144
83-32-9	Acenaphthene	310	U	1	38.4	310	ug/Kg	10/17/25 16:29	PB170144
51-28-5	2,4-Dinitrophenol	590	U	1	410	590	ug/Kg	10/17/25 16:29	PB170144
100-02-7	4-Nitrophenol	590	U	1	190	590	ug/Kg	10/17/25 16:29	PB170144
132-64-9	Dibenzofuran	310	U	1	40.9	310	ug/Kg	10/17/25 16:29	PB170144
121-14-2	2,4-Dinitrotoluene	310	U	1	90.2	310	ug/Kg	10/17/25 16:29	PB170144
84-66-2	Diethylphthalate	310	U	1	51.0	310	ug/Kg	10/17/25 16:29	PB170144
7005-72-3	4-Chlorophenyl-phenylether	310	U	1	48.1	310	ug/Kg	10/17/25 16:29	PB170144
86-73-7	Fluorene	310	U	1	45.6	310	ug/Kg	10/17/25 16:29	PB170144
100-01-6	4-Nitroaniline	310	U	1	120	310	ug/Kg	10/17/25 16:29	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	590	U	1	190	590	ug/Kg	10/17/25 16:29	PB170144

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	310	U	1	59.2	310	ug/Kg	10/17/25 16:29	PB170144
101-55-3	4-Bromophenyl-phenylether	310	U	1	50.1	310	ug/Kg	10/17/25 16:29	PB170144
118-74-1	Hexachlorobenzene	310	U	1	45.6	310	ug/Kg	10/17/25 16:29	PB170144
1912-24-9	Atrazine	310	U	1	61.2	310	ug/Kg	10/17/25 16:29	PB170144
87-86-5	Pentachlorophenol	590	U	1	92.4	590	ug/Kg	10/17/25 16:29	PB170144
85-01-8	Phenanthrene	310	U	1	37.6	310	ug/Kg	10/17/25 16:29	PB170144
120-12-7	Anthracene	310	U	1	60.0	310	ug/Kg	10/17/25 16:29	PB170144
86-74-8	Carbazole	310	U	1	56.2	310	ug/Kg	10/17/25 16:29	PB170144
84-74-2	Di-n-butylphthalate	310	U	1	86.3	310	ug/Kg	10/17/25 16:29	PB170144
206-44-0	Fluoranthene	230	J	1	54.0	310	ug/Kg	10/17/25 16:29	PB170144
129-00-0	Pyrene	220	J	1	64.8	310	ug/Kg	10/17/25 16:29	PB170144
85-68-7	Butylbenzylphthalate	310	U	1	130	310	ug/Kg	10/17/25 16:29	PB170144
91-94-1	3,3-Dichlorobenzidine	590	U	1	66.1	590	ug/Kg	10/17/25 16:29	PB170144
56-55-3	Benzo(a)anthracene	160	J	1	41.4	310	ug/Kg	10/17/25 16:29	PB170144
218-01-9	Chrysene	150	J	1	35.8	310	ug/Kg	10/17/25 16:29	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	310	U	1	110	310	ug/Kg	10/17/25 16:29	PB170144
117-84-0	Di-n-octyl phthalate	590	U	1	160	590	ug/Kg	10/17/25 16:29	PB170144
205-99-2	Benzo(b)fluoranthene	200	J	1	34.2	310	ug/Kg	10/17/25 16:29	PB170144
207-08-9	Benzo(k)fluoranthene	310	U	1	40.3	310	ug/Kg	10/17/25 16:29	PB170144
50-32-8	Benzo(a)pyrene	220	J	1	53.1	310	ug/Kg	10/17/25 16:29	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	310	U	1	52.4	310	ug/Kg	10/17/25 16:29	PB170144
53-70-3	Dibenzo(a,h)anthracene	310	U	1	49.3	310	ug/Kg	10/17/25 16:29	PB170144
191-24-2	Benzo(g,h,i)perylene	170	J	1	46.3	310	ug/Kg	10/17/25 16:29	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	310	U	1	46.1	310	ug/Kg	10/17/25 16:29	PB170144
123-91-1	1,4-Dioxane	310	U	1	81.4	310	ug/Kg	10/17/25 16:29	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	310	U	1	49.3	310	ug/Kg	10/17/25 16:29	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	87.5			18 - 112	58%	SPK: 150		
13127-88-3	Phenol-d6	82.3			15 - 107	55%	SPK: 150		
4165-60-0	Nitrobenzene-d5	55.2			18 - 107	55%	SPK: 100		
321-60-8	2-Fluorobiphenyl	48.0			20 - 109	48%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	92.3			10 - 116	62%	SPK: 150		
1718-51-0	Terphenyl-d14	48.2			10 - 105	48%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	13400							
1146-65-2	Naphthalene-d8	53200							
15067-26-2	Acenaphthene-d10	39200							
1517-22-2	Phenanthrene-d10	94600							
1719-03-5	Chrysene-d12	112000							
1520-96-3	Perylene-d12	127000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	430	J			15.8	ug/Kg		
000057-10-3	n-Hexadecanoic acid	340	J			18.1	ug/Kg		

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064538.D
Acq On : 17 Oct 2025 16:29
Operator : RC/JU
Sample : Q3363-05
Misc : 8270/625.1 SPIKE
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

Quant Time: Oct 17 17:04:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.821	152	13378	20.000	ng	# 0.00
21) Naphthalene-d8	10.606	136	53157	20.000	ng	0.00
39) Acenaphthene-d10	14.442	164	39158	20.000	ng	0.00
64) Phenanthrene-d10	17.186	188	94623	20.000	ng	# 0.00
76) Chrysene-d12	21.411	240	112080	20.000	ng	0.00
86) Perylene-d12	24.395	264	127010	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.412	112	63244	87.490	ng	0.00
7) Phenol-d6	6.992	99	79949	82.301	ng	0.00
23) Nitrobenzene-d5	8.972	82	54606	55.236	ng	0.00
42) 2,4,6-Tribromophenol	15.935	330	65490	92.266	ng	0.00
45) 2-Fluorobiphenyl	13.068	172	127558	48.016	ng	0.00
79) Terphenyl-d14	19.807	244	285318	48.177	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	19.237	202	22421	3.793	ng	96
78) Pyrene	19.601	202	26885	3.696	ng	95
81) Benzo(a)anthracene	21.393	228	19009	2.656	ng	# 90
83) Chrysene	21.452	228	17492m	2.577	ng	
88) Benzo(b)fluoranthene	23.444	252	24103	3.336	ng	# 92
90) Benzo(a)pyrene	24.249	252	24819	3.727	ng	# 92
92) Benzo(g,h,i)perylene	28.779	276	19058	2.774	ng	# 93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

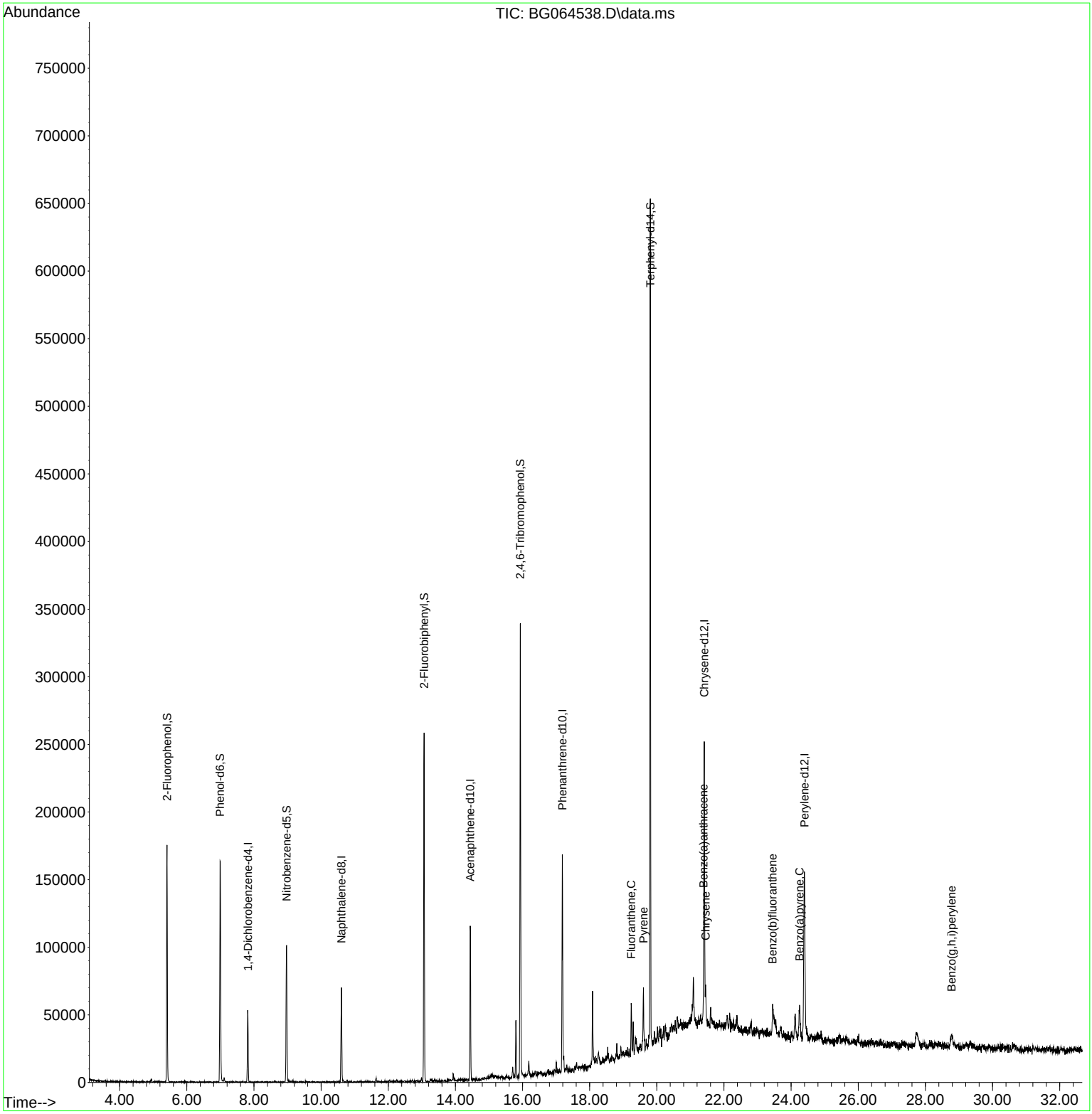
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064538.D
Acq On : 17 Oct 2025 16:29
Operator : RC/JU
Sample : Q3363-05
Misc : 8270/625.1 SPIKE
ALS Vial : 9 Sample Multiplier: 1

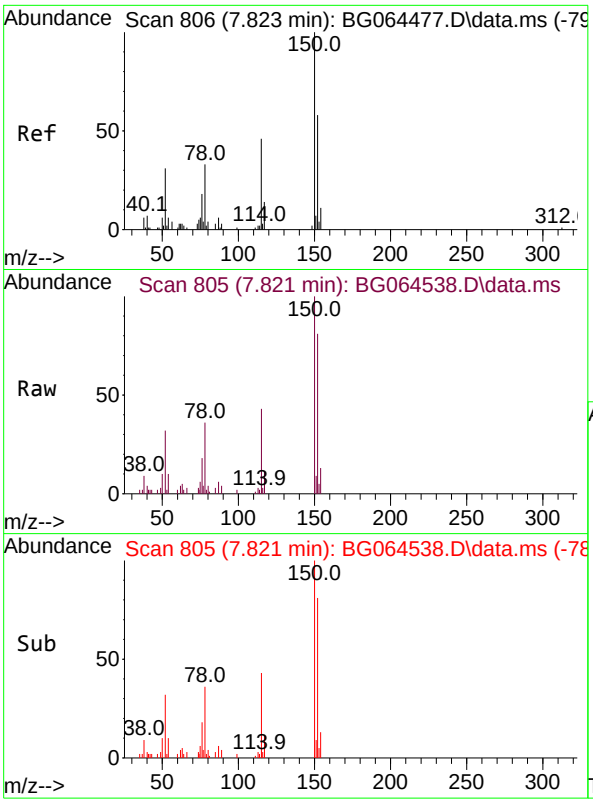
Quant Time: Oct 17 17:04:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

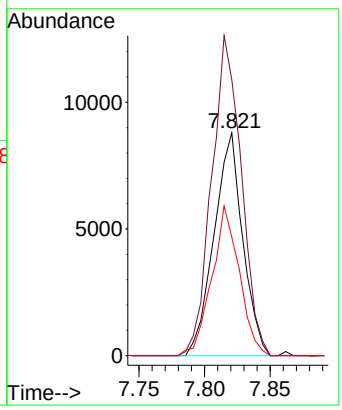




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.821 min Scan# 8
Delta R.T. 0.001 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Tgt Ion:152 Resp: 1337

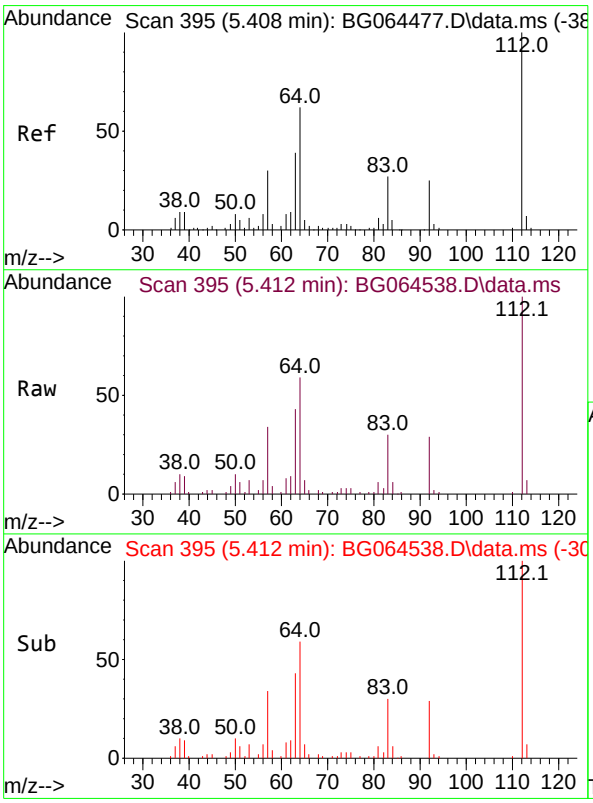
Ion	Ratio	Lower	Upper
152	100		
150	123.8	138.6	207.8
115	53.1	63.4	95.2



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

Manual Integrations
APPROVED

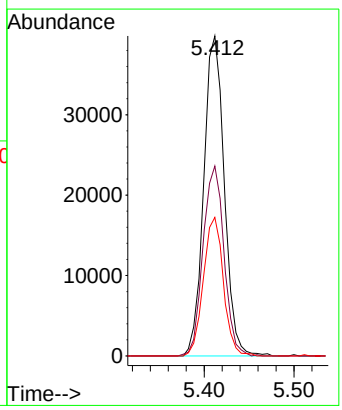
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

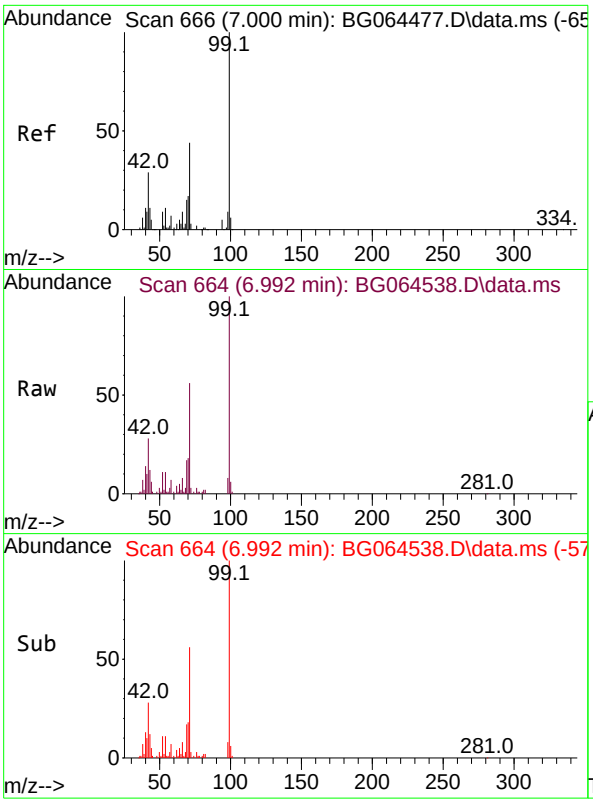


#5
2-Fluorophenol
Concen: 87.490 ng
RT: 5.412 min Scan# 395
Delta R.T. 0.006 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Tgt Ion:112 Resp: 63244

Ion	Ratio	Lower	Upper
112	100		
64	59.3	49.8	74.8
63	43.3	31.3	46.9

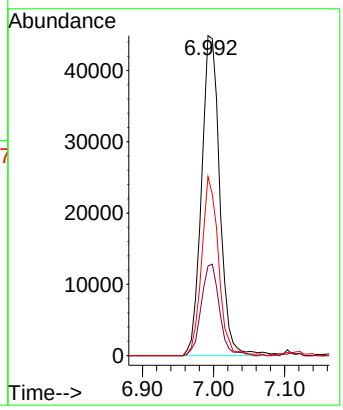




#7
Phenol-d6
Concen: 82.301 ng
RT: 6.992 min Scan# 6
Delta R.T. 0.006 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Tgt Ion: 99 Resp: 7994

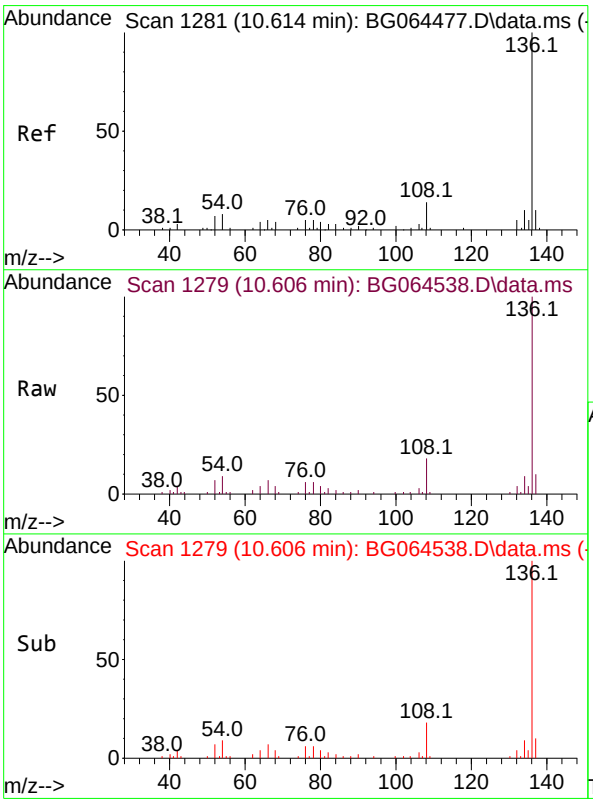
Ion	Ratio	Lower	Upper
99	100		
42	28.0	22.9	34.3
71	56.0	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

Manual Integrations
APPROVED

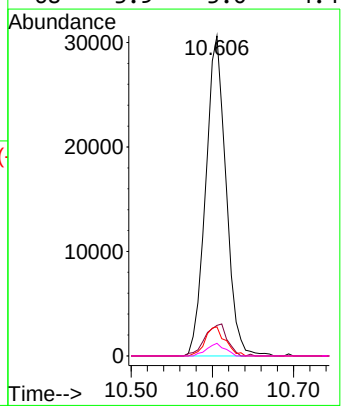
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

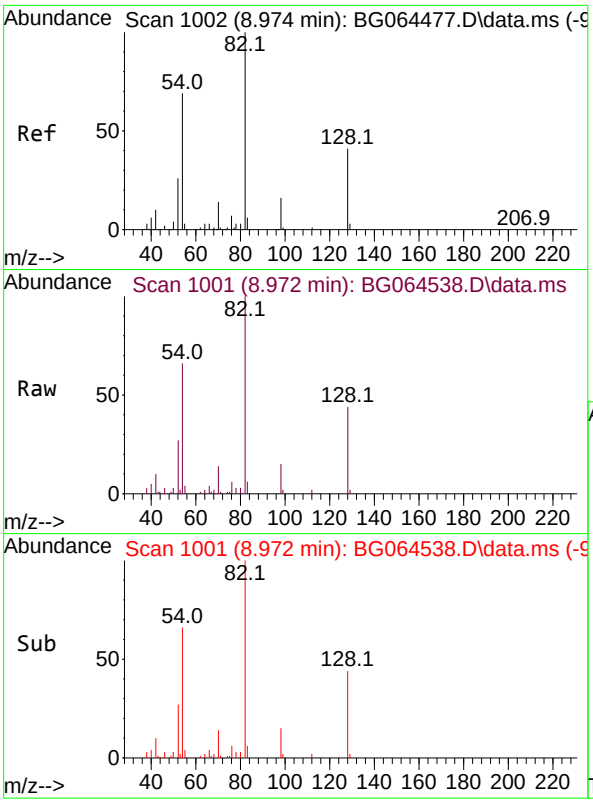


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.606 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Tgt Ion:136 Resp: 53157

Ion	Ratio	Lower	Upper
136	100		
137	9.5	8.3	12.5
54	9.1	6.2	9.4
68	3.9	3.0	4.4

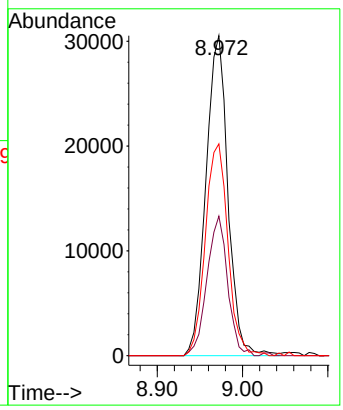




#23
Nitrobenzene-d5
Concen: 55.236 ng
RT: 8.972 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Tgt Ion: 82 Resp: 5460

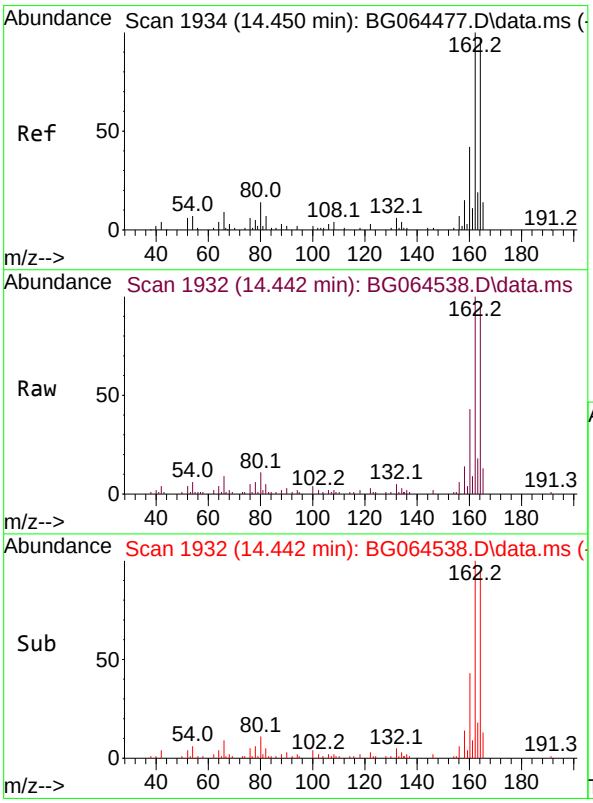
Ion	Ratio	Lower	Upper
82	100		
128	43.6	33.1	49.7
54	66.2	55.4	83.2



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

Manual Integrations
APPROVED

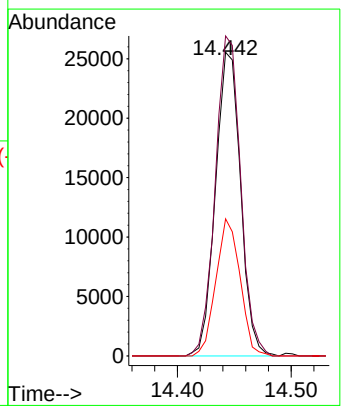
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

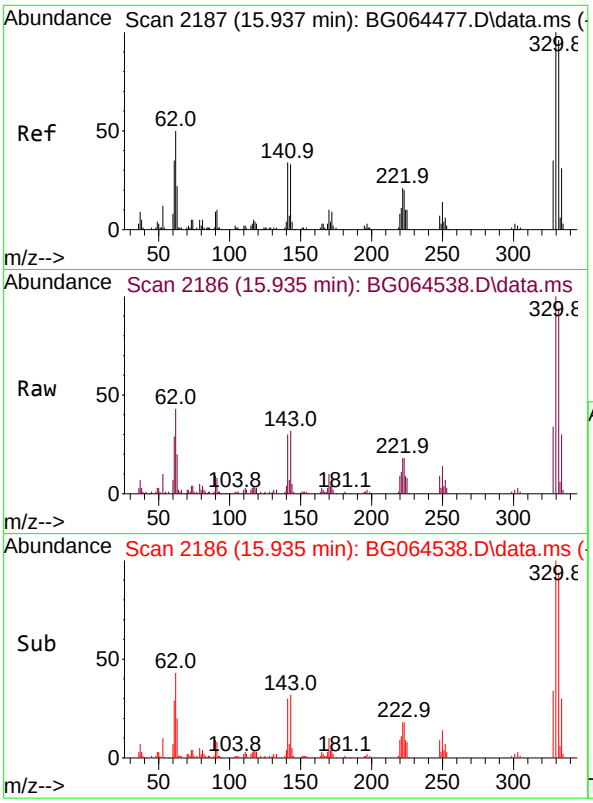


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.442 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Tgt Ion:164 Resp: 39158

Ion	Ratio	Lower	Upper
164	100		
162	105.4	82.2	123.2
160	45.1	34.3	51.5

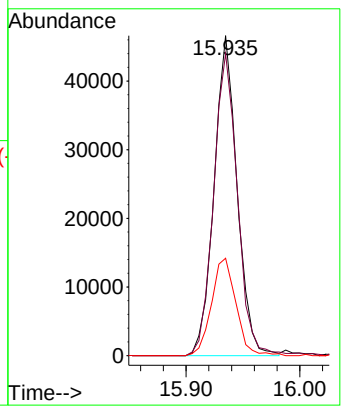




#42
2,4,6-Tribromophenol
Concen: 92.266 ng
RT: 15.935 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Tgt Ion:330 Resp: 6549

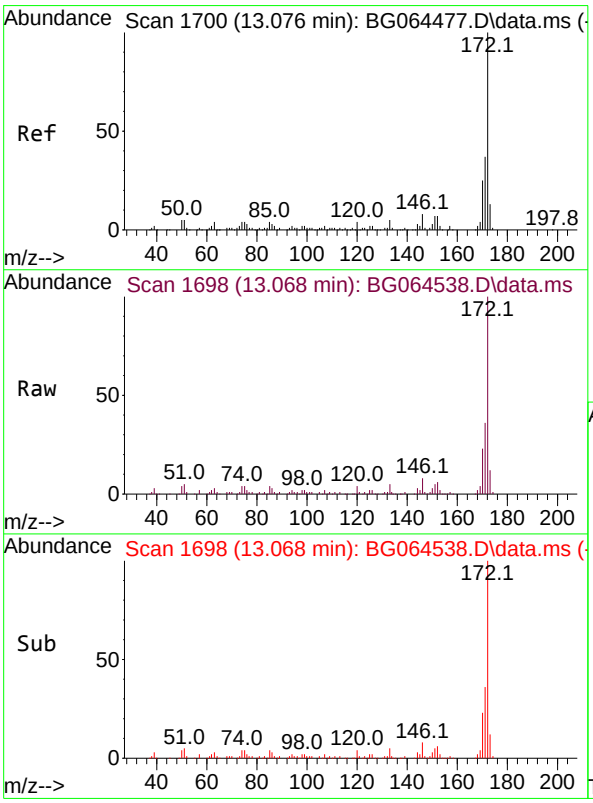
Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.4	116.0
141	32.3	25.8	38.6



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

Manual Integrations APPROVED

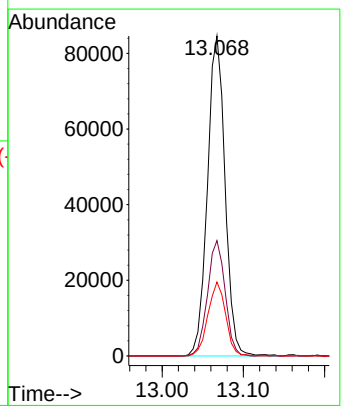
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

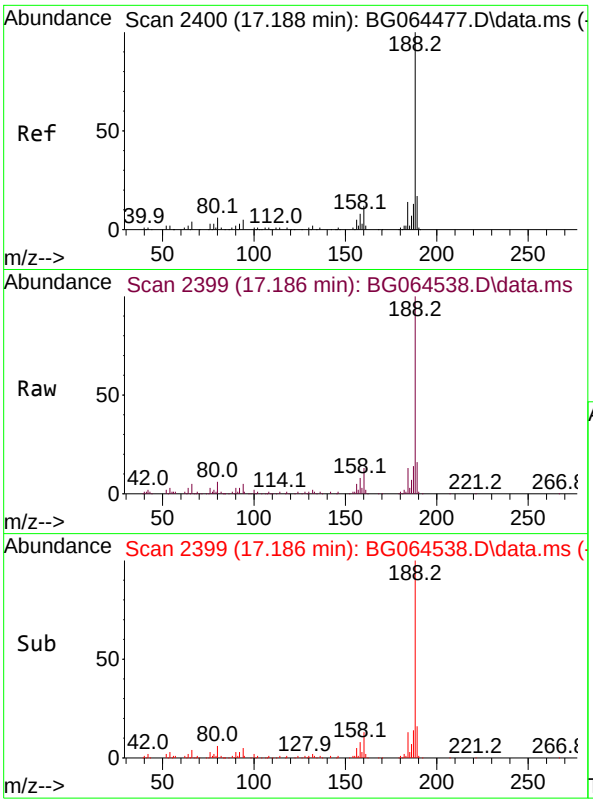


#45
2-Fluorobiphenyl
Concen: 48.016 ng
RT: 13.068 min Scan# 1698
Delta R.T. 0.000 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Tgt Ion:172 Resp: 127558

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	23.1	20.2	30.2

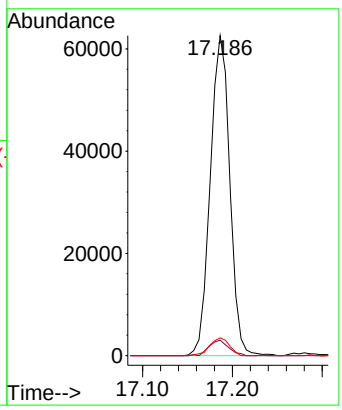




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Tgt Ion:188 Resp: 9462

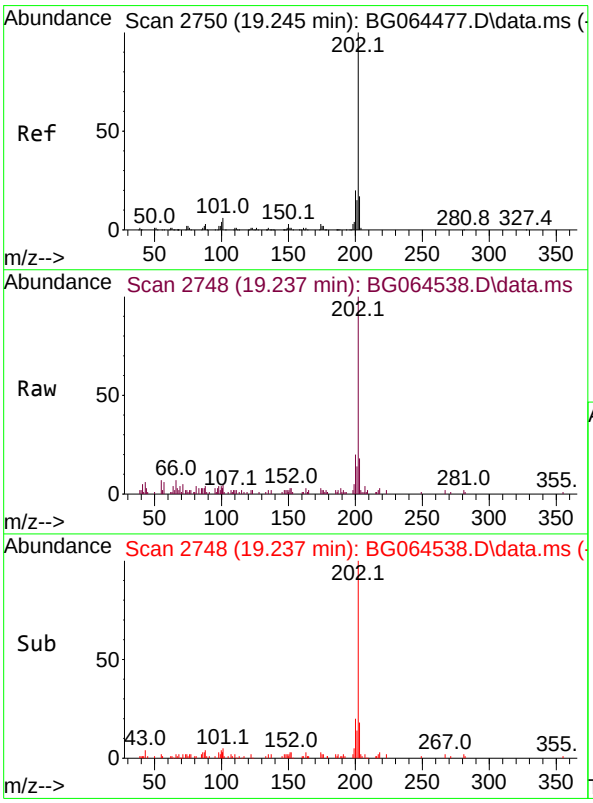
Ion	Ratio	Lower	Upper
188	100		
94	5.7	3.7	5.5#
80	5.5	4.5	6.7



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

Manual Integrations APPROVED

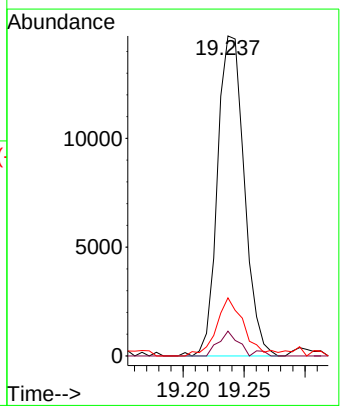
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

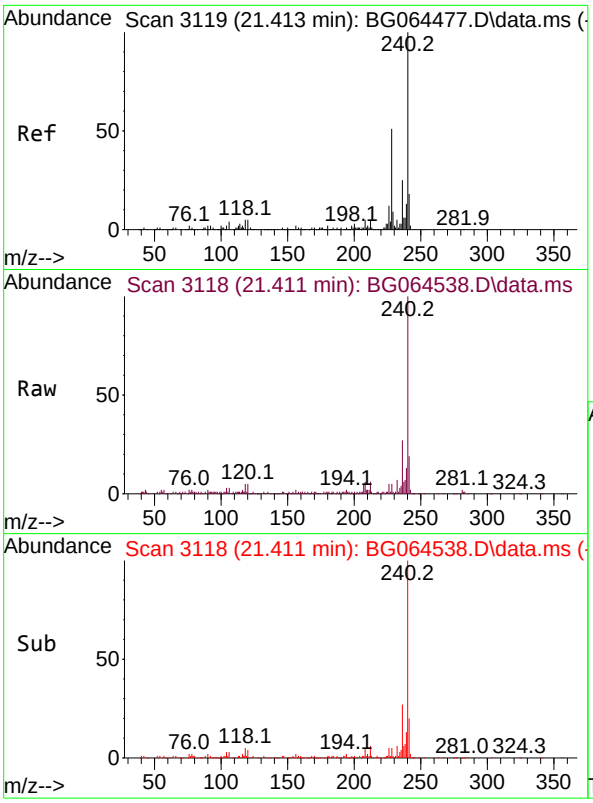


#75
Fluoranthene
Concen: 3.793 ng
RT: 19.237 min Scan# 2748
Delta R.T. 0.000 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Tgt Ion:202 Resp: 22421

Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	25.7
203	18.1	0.0	36.6

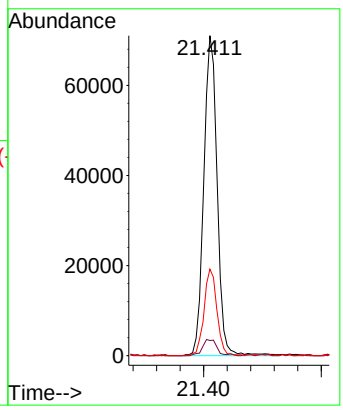




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.411 min Scan# 3
Delta R.T. 0.001 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Tgt Ion:240 Resp: 11208

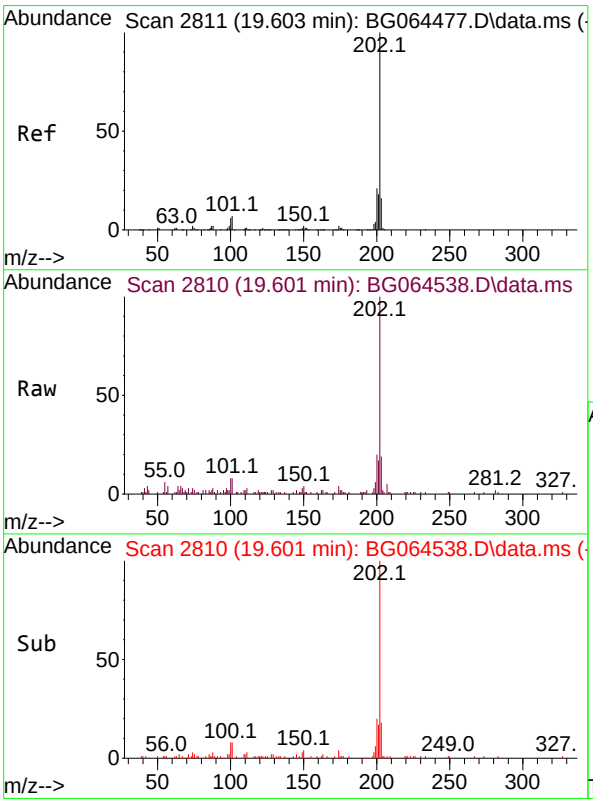
Ion	Ratio	Lower	Upper
240	100		
120	4.7	4.3	6.5
236	27.0	20.4	30.6



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

Manual Integrations
APPROVED

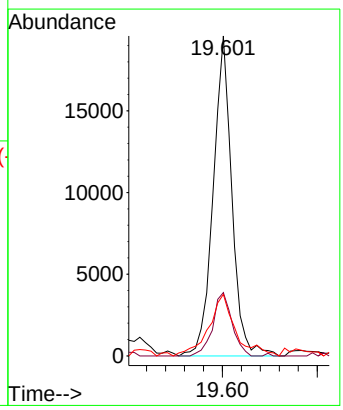
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

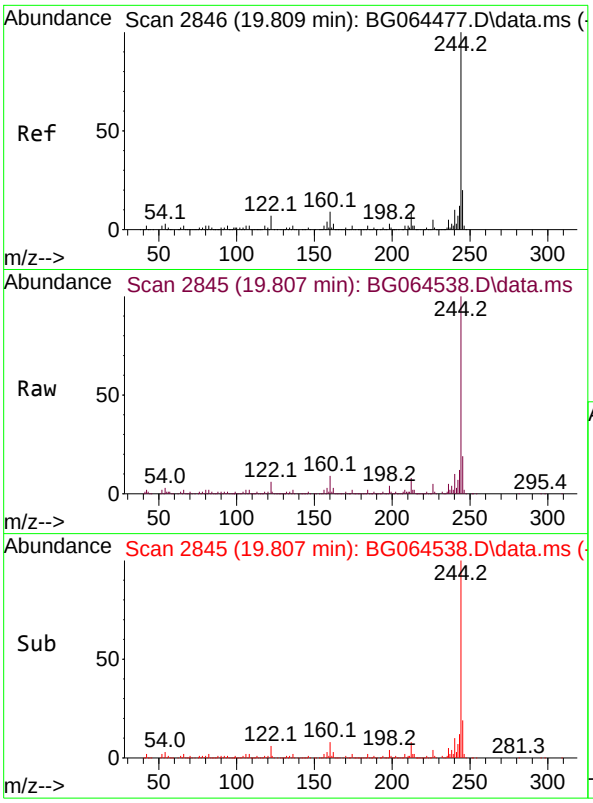


#78
Pyrene
Concen: 3.696 ng
RT: 19.601 min Scan# 2810
Delta R.T. 0.000 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Tgt Ion:202 Resp: 26885

Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.0	25.4
203	19.2	13.0	19.4





#79
Terphenyl-d14
Concen: 48.177 ng
RT: 19.807 min Scan# 28
Delta R.T. 0.000 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

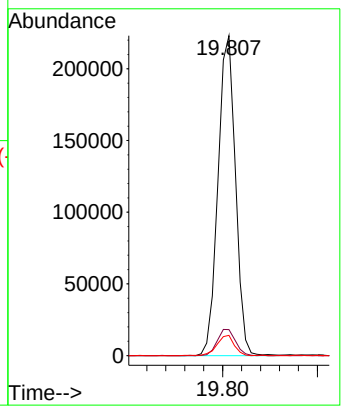
Tgt Ion:244 Resp: 285318

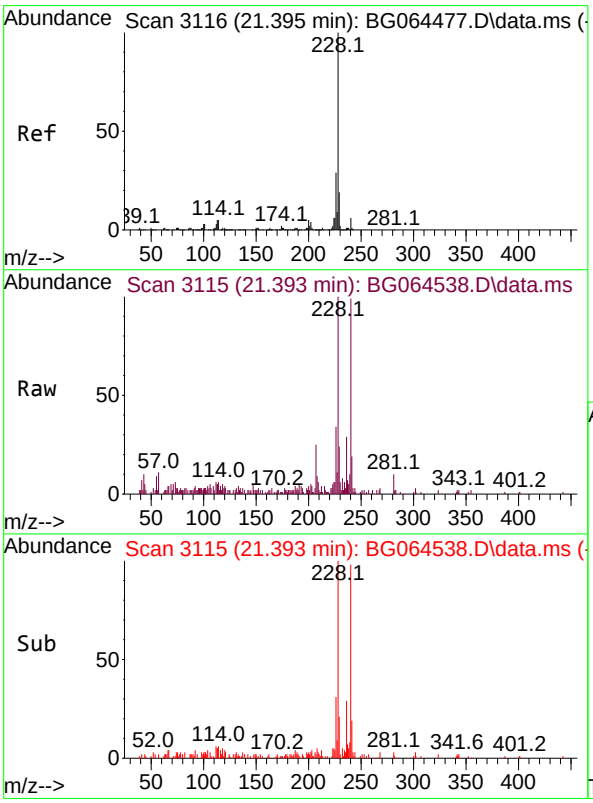
Ion	Ratio	Lower	Upper
244	100		
212	8.1	7.0	10.6
122	6.3	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

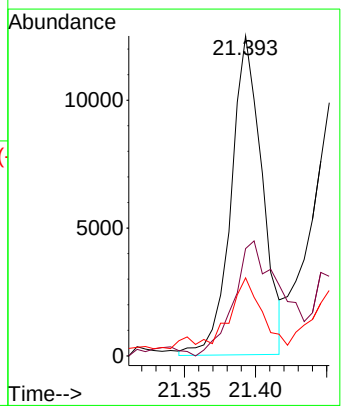


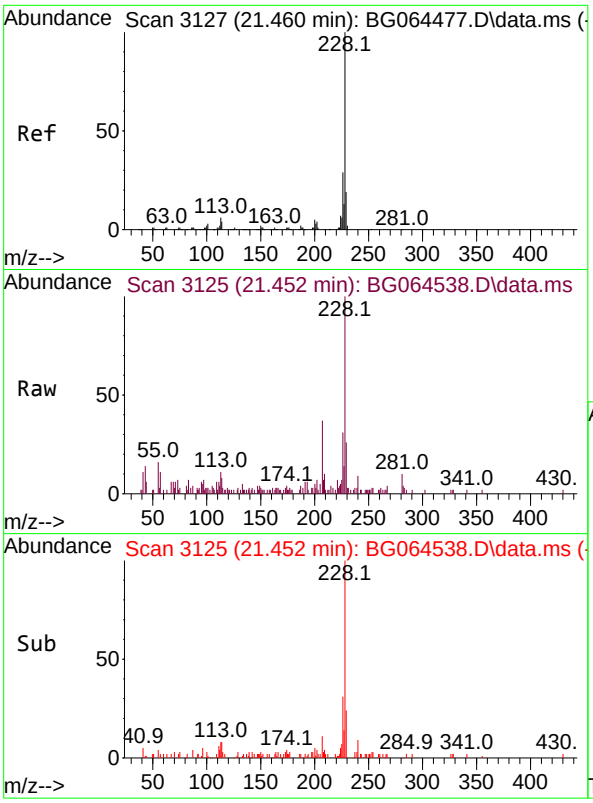


#81
Benzo(a)anthracene
Concen: 2.656 ng
RT: 21.393 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Tgt Ion:228 Resp: 19009

Ion	Ratio	Lower	Upper
228	100		
226	33.5	22.8	34.2
229	24.4	15.2	22.8#

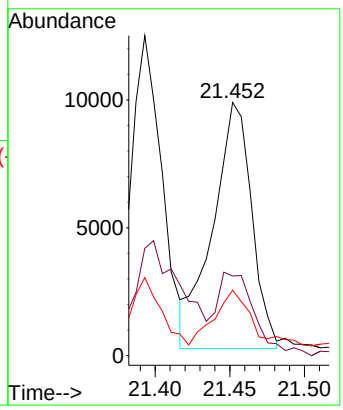




#83
Chrysene
Concen: 2.577 ng m
RT: 21.452 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Tgt Ion:228 Resp: 1749

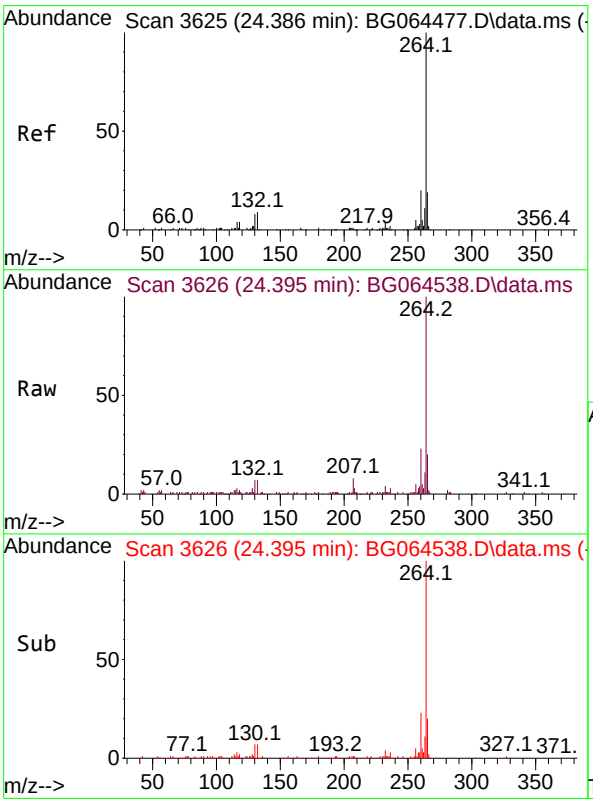
Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.8	34.2
229	25.8	15.4	23.0#



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

Manual Integrations
APPROVED

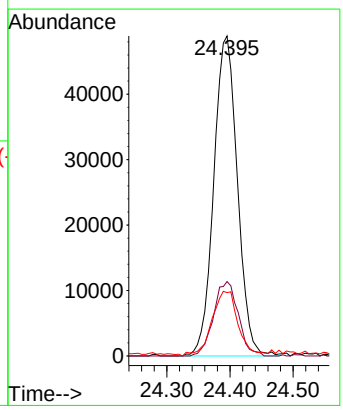
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

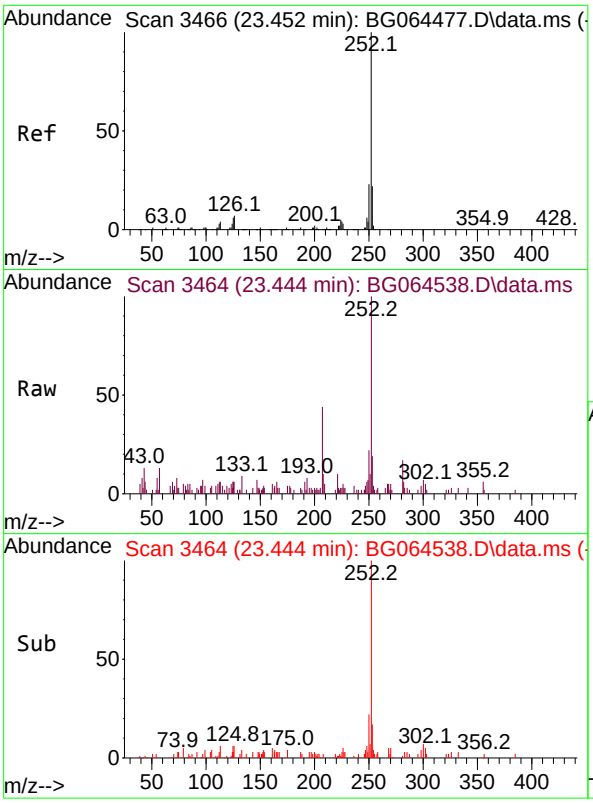


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.395 min Scan# 3626
Delta R.T. 0.006 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Tgt Ion:264 Resp: 127010

Ion	Ratio	Lower	Upper
264	100		
260	23.2	16.2	24.4
265	19.8	15.0	22.4

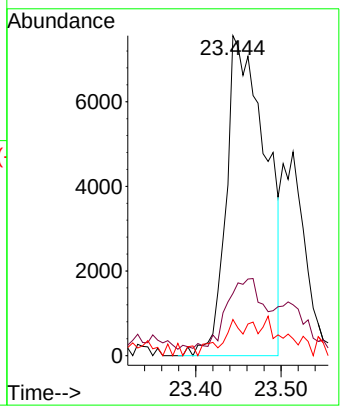




#88
Benzo(b)fluoranthene
Concen: 3.336 ng
RT: 23.444 min Scan# 34
Delta R.T. -0.006 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Tgt Ion:252 Resp: 2410

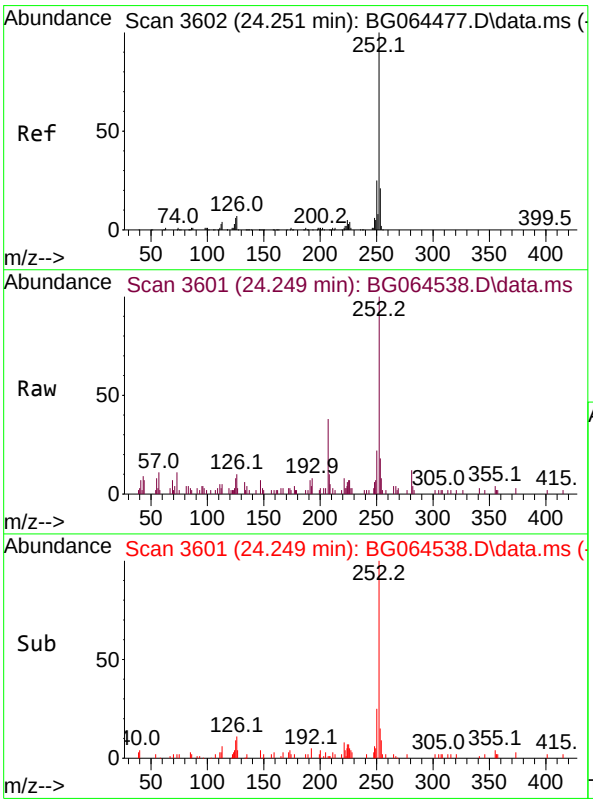
Ion	Ratio	Lower	Upper
252	100		
253	19.4	17.5	26.3
125	11.3	4.5	6.7#



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

Manual Integrations APPROVED

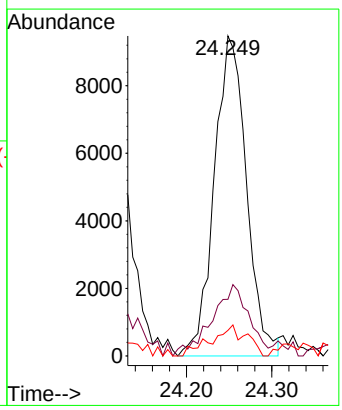
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

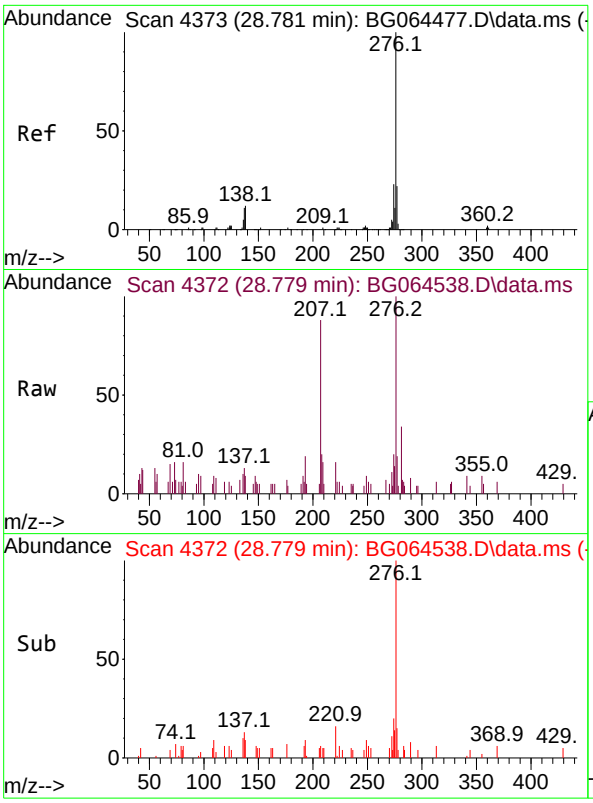


#90
Benzo(a)pyrene
Concen: 3.727 ng
RT: 24.249 min Scan# 3601
Delta R.T. 0.000 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Tgt Ion:252 Resp: 24819

Ion	Ratio	Lower	Upper
252	100		
253	17.7	17.1	25.7
125	8.0	4.6	6.8#

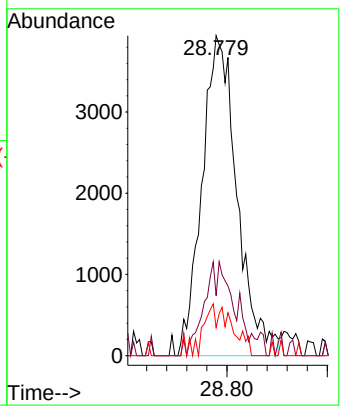




#92
Benzo(g,h,i)perylene
Concen: 2.774 ng
RT: 28.779 min Scan# 4
Delta R.T. 0.012 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Tgt Ion:276 Resp: 1905

Ion	Ratio	Lower	Upper
276	100		
277	18.7	17.8	26.6
138	8.8	9.4	14.0#



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064538.D
Acq On : 17 Oct 2025 16:29
Operator : RC/JU
Sample : Q3363-05
Misc : 8270/625.1 SPIKE
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064538.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.412	388	395	407	rVB	175590	272593	33.36%	6.050%
2	6.992	658	664	674	rBV	163674	288836	35.35%	6.410%
3	7.815	798	804	810	rBV2	53209	84905	10.39%	1.884%
4	8.972	994	1001	1009	rBV	100781	181874	22.26%	4.036%
5	10.606	1272	1279	1285	rBV	69997	117605	14.39%	2.610%
6	13.068	1691	1698	1706	rBV	258292	391602	47.92%	8.691%
7	14.442	1925	1932	1940	rBV	114762	179422	21.96%	3.982%
8	15.706	2141	2147	2152	rBV5	8458	13861	1.70%	0.308%
9	15.805	2157	2164	2171	rVB	42755	63476	7.77%	1.409%
10	15.935	2180	2186	2193	rBV	335854	499262	61.10%	11.080%
11	16.187	2223	2229	2234	rVB5	10736	18992	2.32%	0.421%
12	17.004	2365	2368	2372	rVB5	8023	11920	1.46%	0.265%
13	17.186	2392	2399	2404	rBV	161120	245915	30.09%	5.458%
14	17.310	2419	2420	2427	rVB6	5539	8909	1.09%	0.198%
15	18.085	2548	2552	2559	rBV2	51771	70230	8.59%	1.559%
16	18.261	2577	2582	2586	rBV8	5593	10102	1.24%	0.224%
17	18.808	2672	2675	2678	rVB5	10405	13300	1.63%	0.295%
18	18.925	2692	2695	2702	rVB8	7200	11588	1.42%	0.257%
19	19.237	2744	2748	2753	rBV2	39850	61639	7.54%	1.368%
20	19.296	2755	2758	2763	rVB4	24596	32635	3.99%	0.724%
21	19.360	2766	2769	2772	rBV5	9212	11806	1.44%	0.262%
22	19.601	2806	2810	2814	rBV	39474	49239	6.03%	1.093%
23	19.760	2834	2837	2839	rBV4	8909	11076	1.36%	0.246%
24	19.807	2839	2845	2854	rVB	625556	817143	100.00%	18.135%
25	20.018	2878	2881	2887	rBV7	11652	15723	1.92%	0.349%
26	20.124	2896	2899	2902	rVB5	13650	16665	2.04%	0.370%
27	20.612	2978	2982	2986	rBV6	12658	24376	2.98%	0.541%
28	21.052	3055	3057	3059	rBV3	9527	9008	1.10%	0.200%
29	21.088	3060	3063	3069	rVB5	32185	54141	6.63%	1.202%
30	21.411	3111	3118	3123	rBV2	203561	349504	42.77%	7.756%
31	21.605	3147	3151	3154	rBV6	15662	25781	3.16%	0.572%
32	22.169	3243	3247	3252	rVB7	14473	27444	3.36%	0.609%
33	22.286	3264	3267	3271	rBV6	8240	10259	1.26%	0.228%
34	23.449	3460	3465	3470	rBV3	20771	44920	5.50%	0.997%
35	24.119	3572	3579	3584	rBV3	18647	44857	5.49%	0.996%
36	24.249	3594	3601	3609	rVB3	23828	62171	7.61%	1.380%

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064538.D
Acq On : 17 Oct 2025 16:29
Operator : RC/JU
Sample : Q3363-05
Misc : 8270/625.1 SPIKE
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	24.395	3616	3626	3635	rBV	123861	339700	41.57%	7.539%
38	31.199	4780	4784	4788	rBV7	6787	13493	1.65%	0.299%

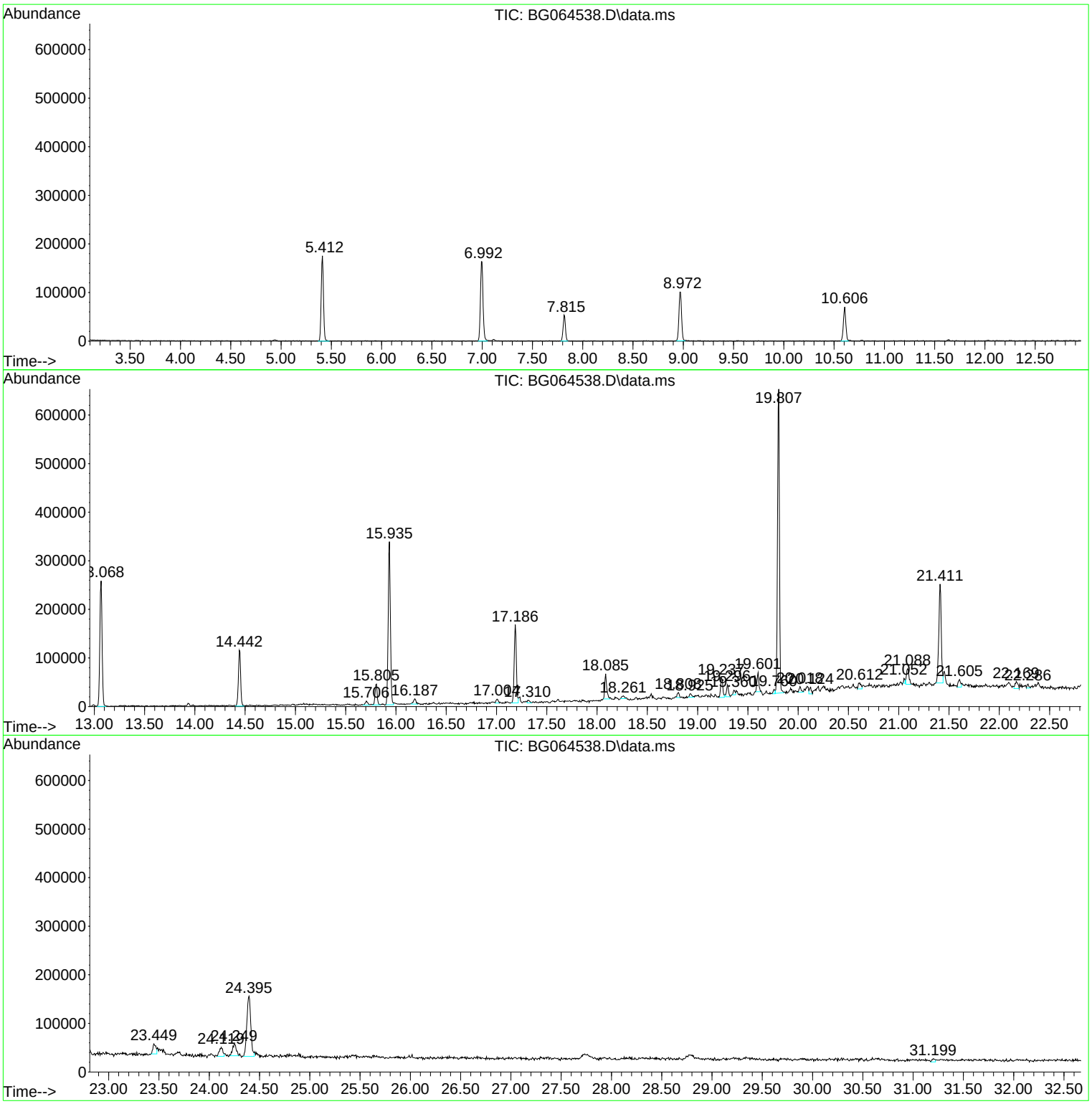
Sum of corrected areas: 4505972

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064538.D
Acq On : 17 Oct 2025 16:29
Operator : RC/JU
Sample : Q3363-05
Misc : 8270/625.1 SPIKE
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064538.D
Acq On : 17 Oct 2025 16:29
Operator : RC/JU
Sample : Q3363-05
Misc : 8270/625.1 SPIKE
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

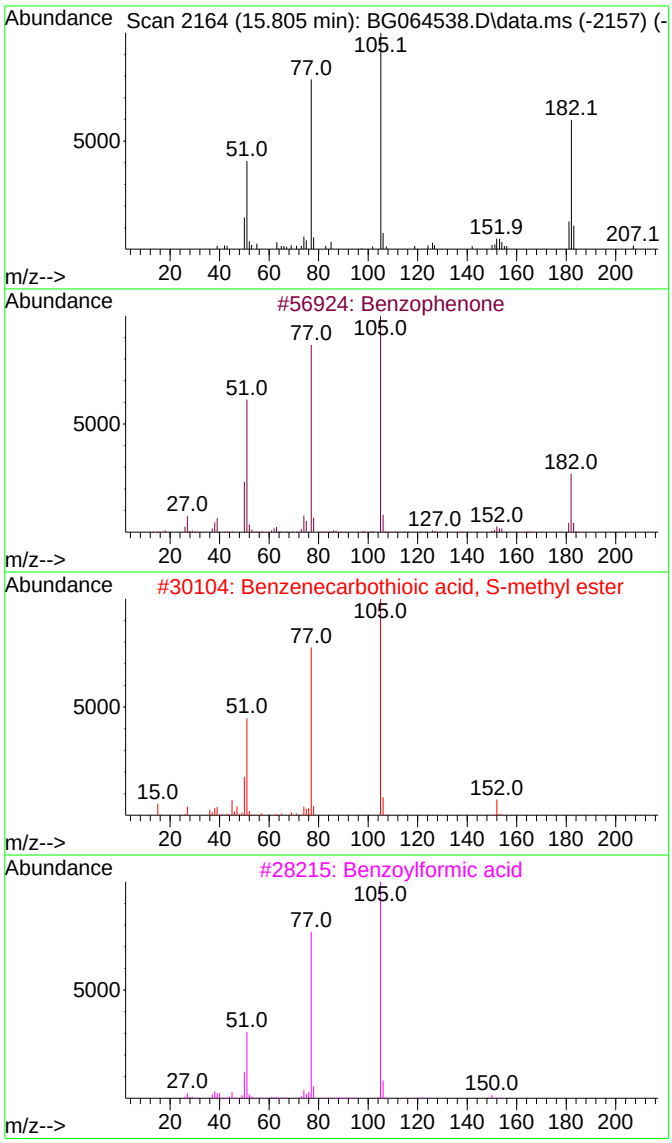
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

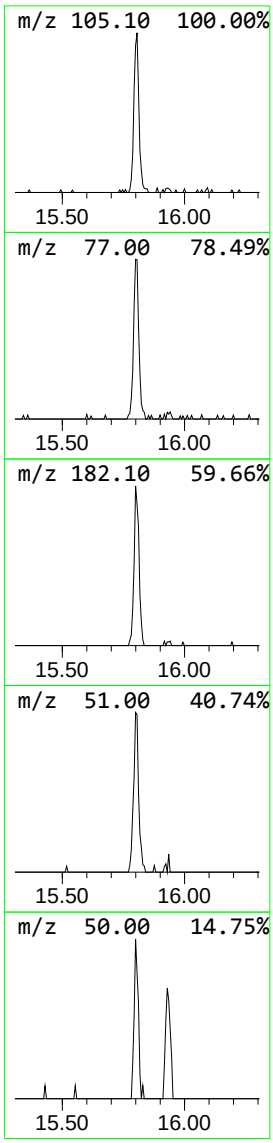
****

Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.806	7.08 ng	63476	Acenaphthene-d10	14.442

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	52
3	Benzoylformic acid	150	C8H6O3	000611-73-4	52
4	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	50
5	N-cyanobenzamide	146	C8H6N2O	015150-25-1	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064538.D
Acq On : 17 Oct 2025 16:29
Operator : RC/JU
Sample : Q3363-05
Misc : 8270/625.1 SPIKE
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

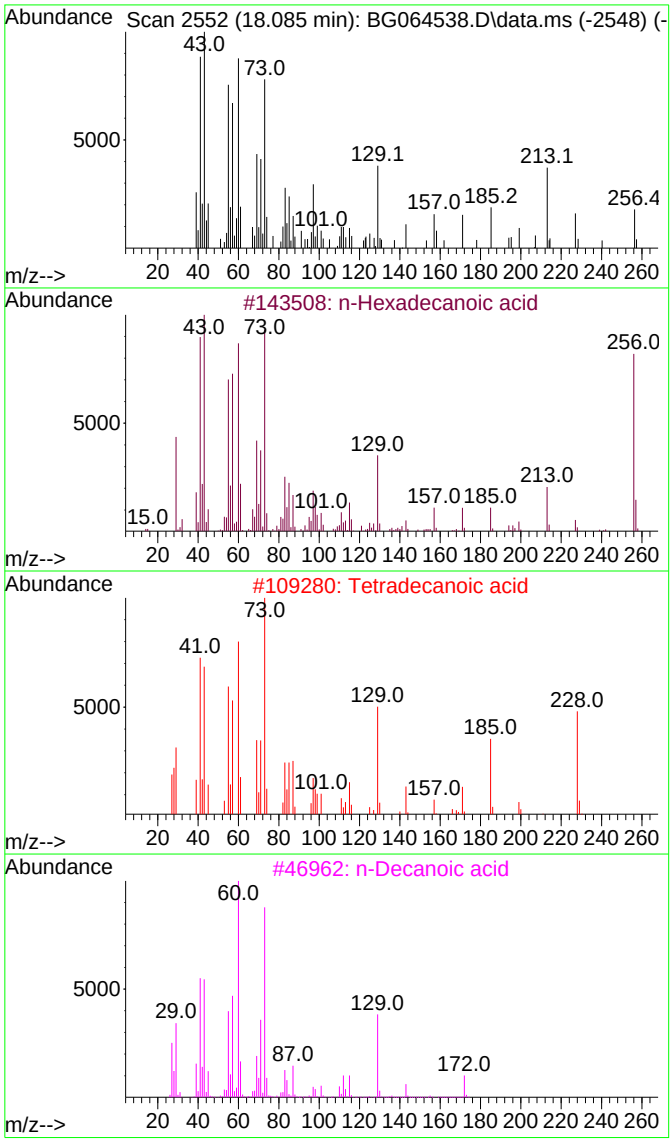
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

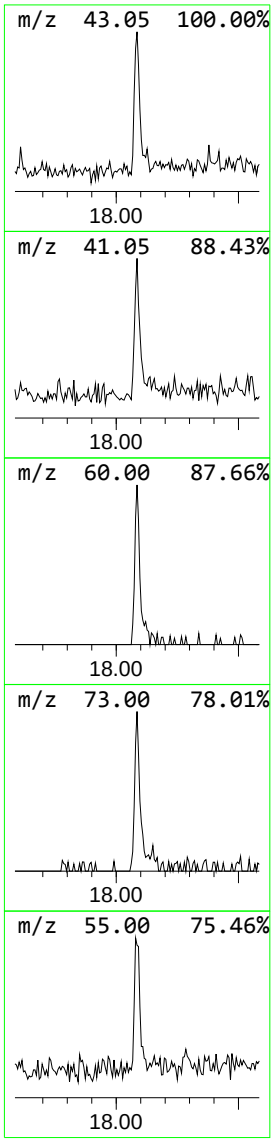
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.085	5.71 ng	70230	Phenanthrene-d10	17.186

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	89
3	n-Decanoic acid	172	C10H20O2	000334-48-5	68
4	Tridecanoic acid	214	C13H26O2	000638-53-9	64
5	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064538.D
Acq On : 17 Oct 2025 16:29
Operator : RC/JU
Sample : Q3363-05
Misc : 8270/625.1 SPIKE
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	15.806	7.1	ng	63476	3	14.442	179422	20.0
n-Hexadecanoic ...	18.085	5.7	ng	70230	4	17.186	245915	20.0

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Oct 06 15:29:47 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF143875.D 5 =BF143876.D 10 =BF143877.D 20 =BF143878.D 40 =BF143879.D 50 =BF143880.D 60 =BF143881.D 80 =BF1438
82.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.614	0.595	0.597	0.609	0.544	0.576	0.544	0.583	4.96
3)		Pyridine		1.691	1.672	1.749	1.772	1.668	1.680	1.644	1.697	2.74
4)		n-Nitrosodimet...			0.825	0.895	0.909	0.917	0.909	0.900	0.893	3.81
5)	S	2-Fluorophenol		1.378	1.349	1.352	1.307	1.173	1.177	1.079	1.259	9.15
6)		Aniline		2.400	2.327	2.361	2.343	2.185	2.134	1.997	2.250	6.58
7)	S	Phenol-d6		1.626	1.631	1.601	1.542	1.404	1.387	1.317	1.501	8.62
8)		2-Chlorophenol		1.324	1.229	1.274	1.294	1.201	1.182	1.113	1.231	5.90
9)		Benzaldehyde			1.115	1.026	1.329	1.198	1.390	0.890	1.158	16.18
10)	C	Phenol		1.934	1.814	1.889	1.841	1.756	1.739	1.589	1.795	6.33
11)		bis(2-Chloroet...		1.487	1.457	1.467	1.446	1.308	1.302	1.238	1.386	7.25
12)		1,3-Dichlorobe...		1.742	1.591	1.589	1.516	1.336	1.327	1.215	1.474	12.64
13)	C	1,4-Dichlorobe...		1.653	1.606	1.567	1.499	1.326	1.340	1.185	1.454	11.88
14)		1,2-Dichlorobe...		1.581	1.507	1.501	1.434	1.283	1.288	1.153	1.392	11.06
15)		Benzyl Alcohol			1.118	1.138	1.173	1.134	1.104	1.082	1.125	2.79
16)		2,2'-oxybis(1-...		3.520	3.385	3.273	3.239	3.008	2.945	2.720	3.156	8.79
17)		2-Methylphenol		1.064	1.057	1.049	1.054	0.985	0.986	0.927	1.017	5.10
18)		Hexachloroethane		0.533	0.508	0.515	0.501	0.456	0.464	0.417	0.485	8.39
19)	P	n-Nitroso-di-n...	1.052	1.135	1.134	1.054	1.026	0.970	0.938	0.912	1.028	8.13
20)		3+4-Methylphenols			1.401	1.342	1.266	1.067	1.068	0.933	1.179	15.58
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.515	0.461	0.462	0.433	0.374	0.375	0.340	0.423	14.67
23)	S	Nitrobenzene-d5		0.325	0.333	0.347	0.345	0.323	0.325	0.307	0.329	4.19
24)		Nitrobenzene		0.369	0.349	0.389	0.391	0.352	0.365	0.342	0.366	5.26
25)		Isophorone		0.754	0.708	0.708	0.705	0.665	0.663	0.656	0.694	5.04
26)	C	2-Nitrophenol		0.121	0.133	0.163	0.174	0.167	0.173	0.166	0.157	13.39
27)		2,4-Dimethylph...		0.287	0.288	0.292	0.295	0.271	0.278	0.264	0.282	4.08
28)		bis(2-Chloroet...		0.510	0.474	0.463	0.444	0.398	0.401	0.380	0.438	10.79
29)	C	2,4-Dichloroph...		0.317	0.292	0.313	0.307	0.280	0.282	0.265	0.294	6.54
30)		1,2,4-Trichlor...		0.331	0.299	0.307	0.298	0.266	0.272	0.249	0.289	9.57
31)		Naphthalene		1.103	0.996	0.972	0.932	0.817	0.817	0.732	0.910	14.06
32)		Benzoic acid			0.131	0.173	0.200	0.216	0.222	0.228	0.195	18.95
33)		4-Chloroaniline		0.368	0.370	0.357	0.355	0.319	0.321	0.298	0.341	8.20
34)	C	Hexachlorobuta...		0.231	0.214	0.210	0.207	0.183	0.187	0.173	0.201	10.11
35)		Caprolactam			0.092	0.091	0.095	0.094	0.093	0.094	0.093	1.59
36)	C	4-Chloro-3-met...		0.301	0.302	0.289	0.287	0.269	0.270	0.256	0.282	6.27
37)		2-Methylnaphth...		0.742	0.683	0.654	0.616	0.527	0.533	0.487	0.606	15.46
38)		1-Methylnaphth...		0.719	0.656	0.629	0.605	0.517	0.523	0.465	0.588	15.23

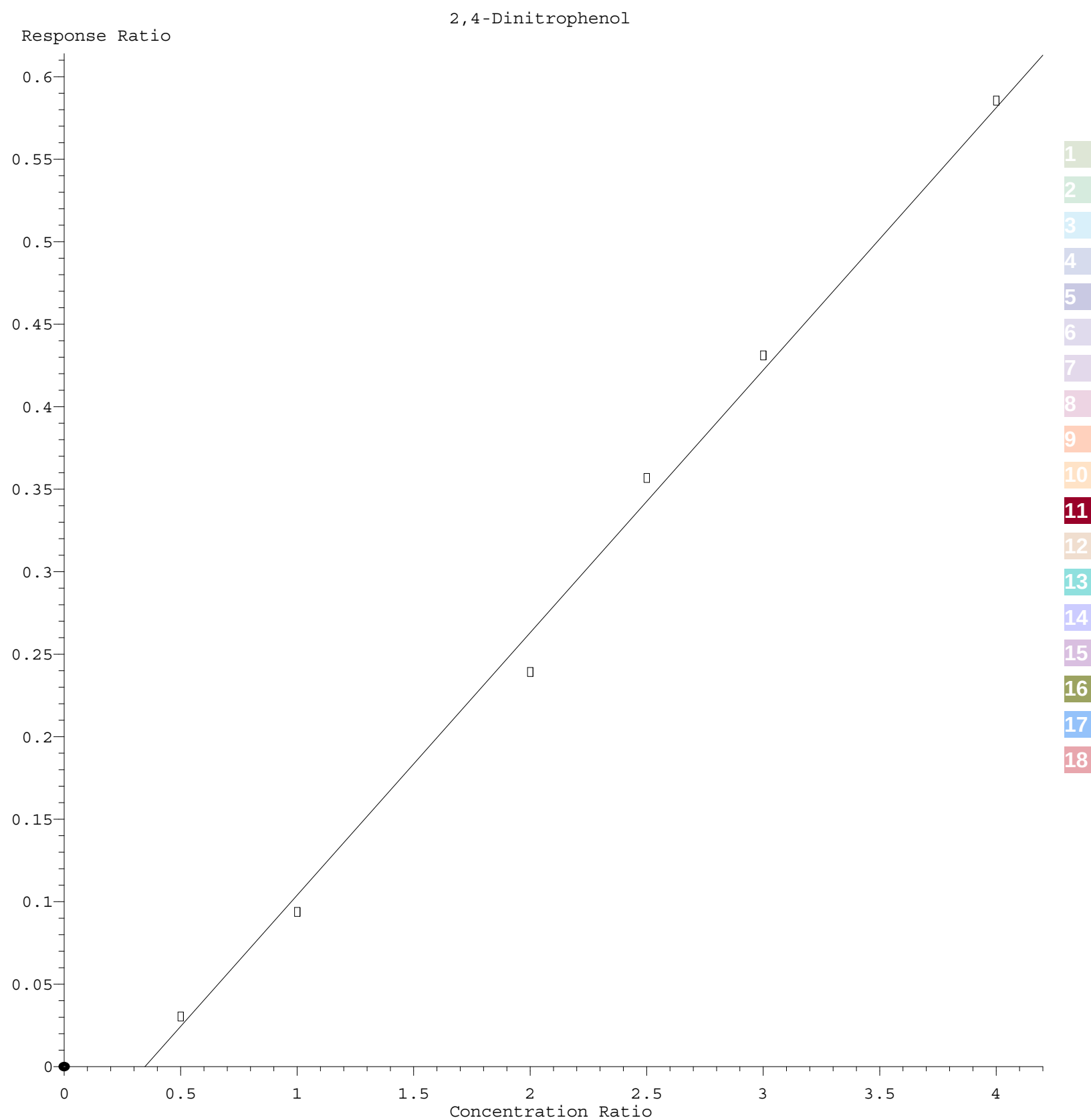
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100625.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.610	0.592	0.595	0.590	0.500	0.519	0.464	0.553	10.38
41)	P	Hexachlorocycl...		0.182	0.216	0.257	0.246	0.240	0.235	0.229	11.77
42)	S	2,4,6-Tribromo...	0.194	0.192	0.210	0.207	0.198	0.200	0.193	0.199	3.51
43)	C	2,4,6-Trichlor...	0.408	0.394	0.426	0.445	0.383	0.395	0.376	0.404	6.07
44)		2,4,5-Trichlor...	0.443	0.444	0.460	0.456	0.401	0.403	0.380	0.427	7.34
45)	S	2-Fluorobiphenyl	1.568	1.424	1.335	1.224	0.984	1.028		1.260	18.04
46)		1,1'-Biphenyl	1.617	1.476	1.448	1.374	1.134	1.171	1.050	1.324	15.77
47)		2-Chloronaphth...	1.294	1.196	1.197	1.137	0.988	1.003	0.913	1.104	12.50
48)		2-Nitroaniline	0.293	0.322	0.371	0.392	0.354	0.365	0.348	0.349	9.43
49)		Acenaphthylene	1.797	1.701	1.648	1.623	1.386	1.426	1.284	1.552	12.11
50)		Dimethylphthalate	1.442	1.351	1.334	1.291	1.166	1.202	1.105	1.270	9.29
51)		2,6-Dinitrotol...	0.201	0.204	0.245	0.262	0.250	0.250	0.237	0.236	10.13
52)	C	Acenaphthene	1.177	1.115	1.096	1.052	0.897	0.934	0.847	1.017	12.21
53)		3-Nitroaniline	0.256	0.270	0.306	0.306	0.296	0.298	0.286	0.288	6.59
54)	P	2,4-Dinitrophenol		0.061	0.094	0.120	0.143	0.144	0.146	0.118	29.25
55)		Dibenzofuran	1.680	1.608	1.572	1.494	1.253	1.295	1.149	1.436	14.13
56)	P	4-Nitrophenol		0.173	0.215	0.234	0.230	0.228	0.230	0.218	10.55
57)		2,4-Dinitrotol...	0.252	0.284	0.341	0.365	0.335	0.346	0.320	0.320	12.30
58)		Fluorene	1.393	1.266	1.173	1.097	0.897	0.922	0.835	1.083	19.21
59)		2,3,4,6-Tetrac...	0.276	0.303	0.315	0.325	0.300	0.309	0.288	0.302	5.49
60)		Diethylphthalate	1.319	1.281	1.273	1.222	1.070	1.105	0.989	1.180	10.62
61)		4-Chlorophenyl...	0.689	0.662	0.626	0.596	0.485	0.505	0.446	0.573	16.43
62)		4-Nitroaniline	0.257	0.259	0.285	0.292	0.287	0.288	0.274	0.277	5.25
63)		Azobenzene	1.387	1.331	1.308	1.280	1.114	1.156	1.055	1.233	10.10
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.065	0.092	0.111	0.112	0.114	0.110	0.101	19.26
66)	c	n-Nitrosodiphe...	0.712	0.683	0.675	0.656	0.560	0.584	0.527	0.628	11.22
67)		4-Bromophenyl-...	0.247	0.234	0.231	0.231	0.201	0.207	0.196	0.221	8.74
68)		Hexachlorobenzene	0.277	0.268	0.263	0.267	0.242	0.245	0.231	0.256	6.59
69)		Atrazine	0.197	0.206	0.213	0.195	0.184	0.177	0.161	0.190	9.44
70)	C	Pentachlorophenol		0.117	0.152	0.157	0.154	0.154	0.147	0.147	10.10
71)		Phenanthrene	1.164	1.092	1.066	0.976	0.842	0.872	0.775	0.970	14.94
72)		Anthracene	1.161	1.097	1.057	1.025	0.854	0.881	0.781	0.980	14.43
73)		Carbazole	1.015	0.962	0.939	0.884	0.766	0.804	0.703	0.868	13.10
74)		Di-n-butylphth...	1.089	1.094	1.108	1.053	0.910	0.954	0.830	1.005	10.76
75)	C	Fluoranthene	1.156	1.153	1.094	1.032	0.876	0.910	0.789	1.002	14.43
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.701	0.719	0.761	0.651	0.640		0.694	7.16
78)		Pyrene	1.838	1.663	1.769	1.863	1.541	1.578	1.420	1.667	9.87
79)	S	Terphenyl-d14	1.301	1.209	1.271	1.279	1.066	1.080	0.984	1.170	10.70
80)		Butylbenzylpht...	0.466	0.503	0.579	0.620	0.545	0.553	0.524	0.542	9.31
81)		Benzo(a)anthra...	1.342	1.347	1.354	1.398	1.232	1.291	1.198	1.309	5.49
82)		3,3'-Dichlorob...		0.364	0.403	0.440	0.401	0.404	0.381	0.399	6.41
83)		Chrysene	1.373	1.188	1.267	1.294	1.116	1.126	1.115	1.211	8.41
84)		Bis(2-ethylhex...	0.591	0.619	0.687	0.739	0.642	0.672	0.619	0.653	7.70
85)	c	Di-n-octyl pht...		0.837	1.009	1.194	1.108	1.151	1.133	1.072	12.19

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100625.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.114	1.104	1.222	1.393	1.235	1.263	1.248	1.225	7.97
88)		Benzo(b)fluora...	1.207	1.138	1.131	1.269	1.095	1.202	1.000	1.149	7.63
89)		Benzo(k)fluora...	1.138	1.173	1.228	1.108	0.923	0.921	0.951	1.063	12.11
90)	C	Benzo(a)pyrene	1.000	1.006	1.037	1.102	0.936	0.970	0.923	0.996	6.17
91)		Dibenzo(a,h)an...	0.888	0.915	1.015	1.128	0.975	1.007	0.972	0.986	7.89
92)		Benzo(g,h,i)pe...	0.889	0.888	0.983	1.117	0.991	1.018	1.014	0.986	8.08

(#) = Out of Range



Response = 1.591e-001 * Amt - 5.521e-002
Coef of Det (r^2) = 0.995474 Curve Fit: wlr(1/a)
Method: NEW C:\TCL\BNA 20\HPCHEM1\BNA F\Methods\8270-BF100625.M
Calibration Table Last Updated: Mon Oct 06 15:29:47 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143875.D
Acq On : 06 Oct 2025 09:59
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 06 15:37:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

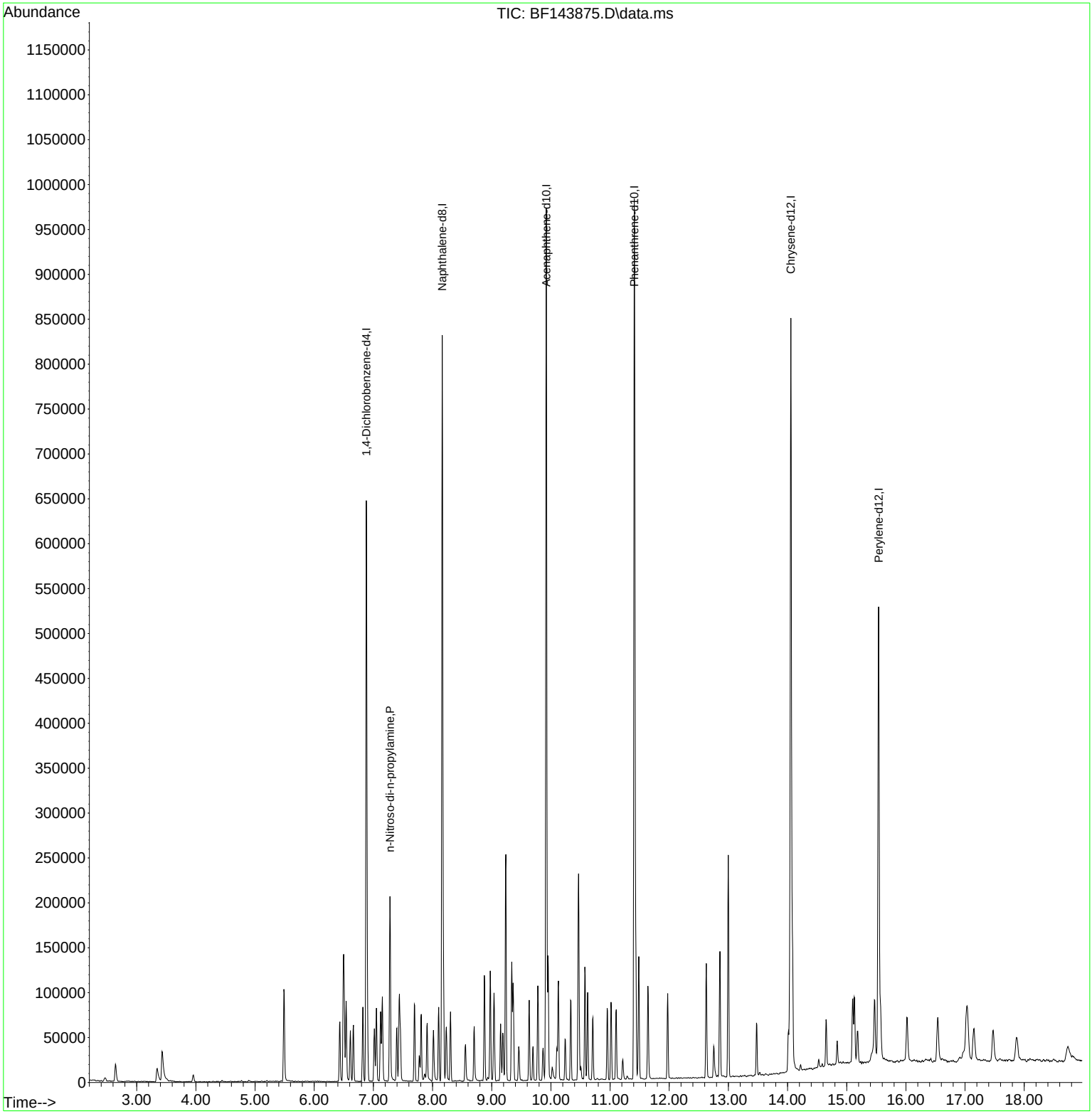
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	128129	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	501174	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	285618	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	520523	20.000	ng	0.00
76) Chrysene-d12	14.057	240	373433	20.000	ng	-0.01
86) Perylene-d12	15.539	264	316147	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.281	70	16847	2.559	ng	98

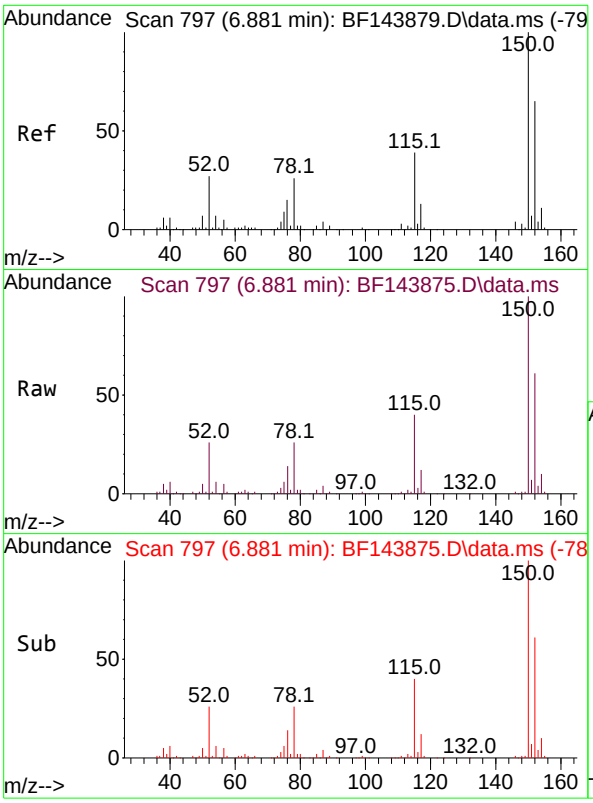
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143875.D
Acq On : 06 Oct 2025 09:59
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 06 15:37:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



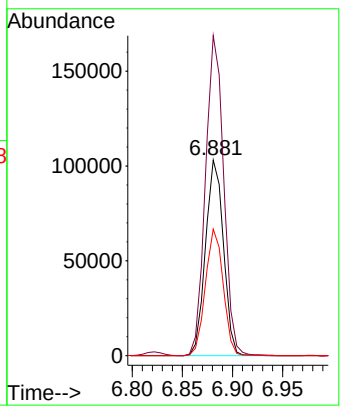


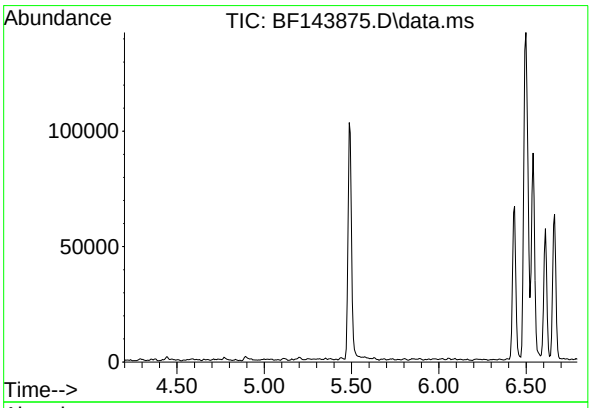
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 128129

Ion	Ratio	Lower	Upper
152	100		
150	163.6	124.4	186.6
115	64.7	48.1	72.1



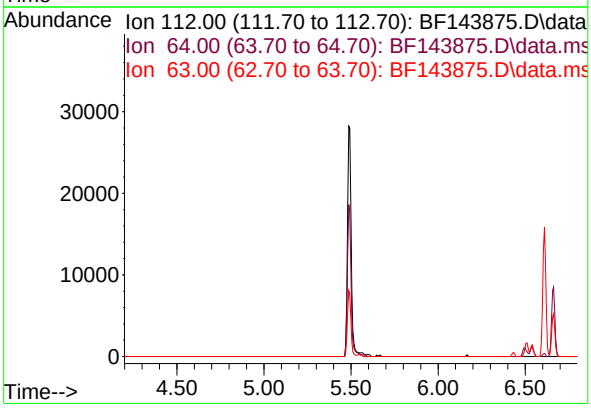


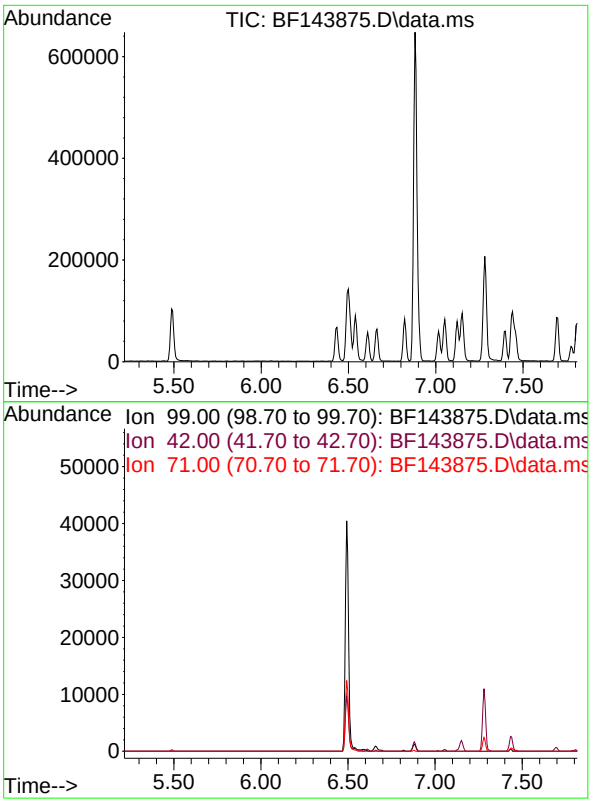
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.50 min

Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	61.4
63	30.6





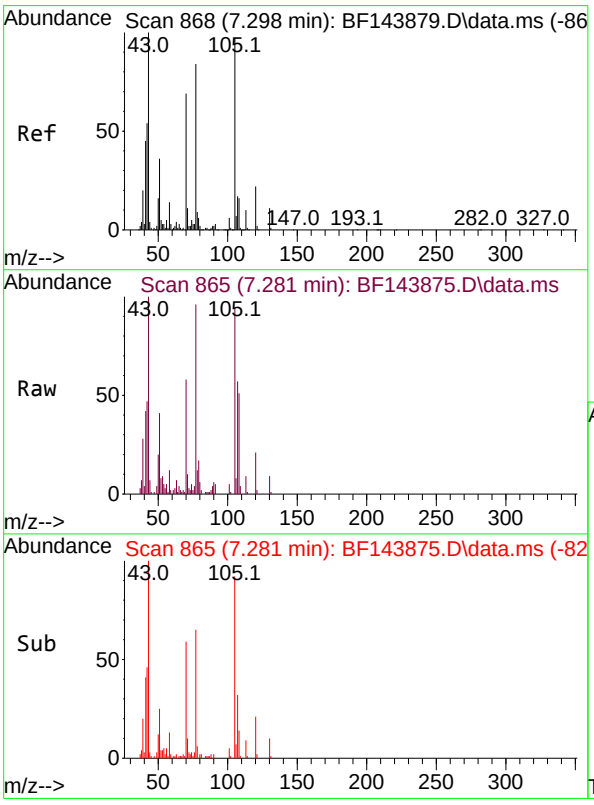
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.52 min

Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

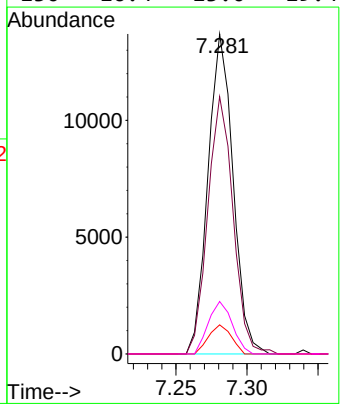
Sig	Exp Ratio
99	100
42	26.2
71	34.8

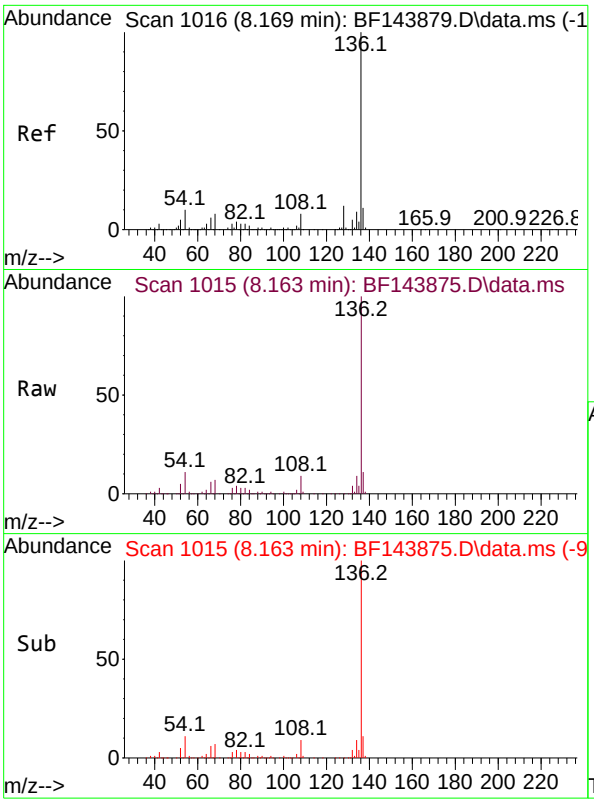


#19
n-Nitroso-di-n-propylamine
Concen: 2.559 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.035 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Tgt Ion: 70 Resp: 16847

Ion	Ratio	Lower	Upper
70	100		
42	80.4	62.8	94.2
101	9.1	6.7	10.1
130	16.4	13.0	19.4



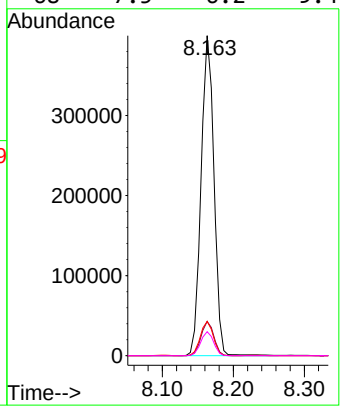


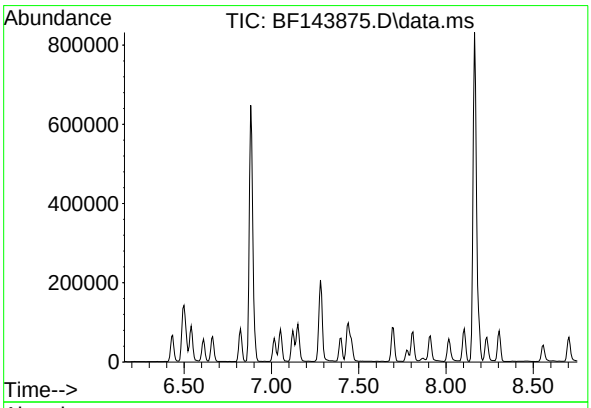
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 501174

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	10.7	8.2	12.4
68	7.5	6.2	9.4



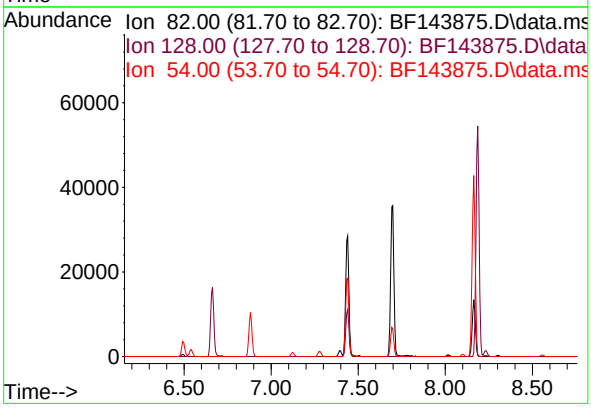


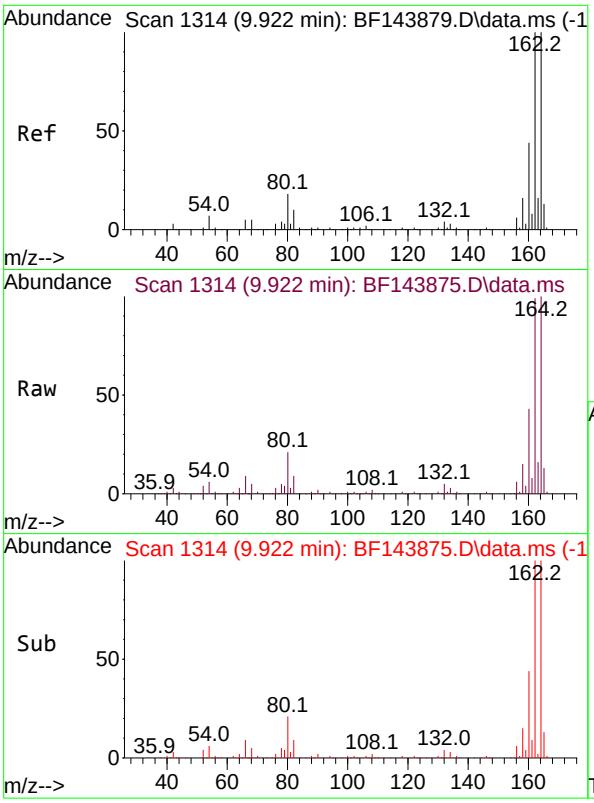
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.46 min

Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	42.5
54	66.5



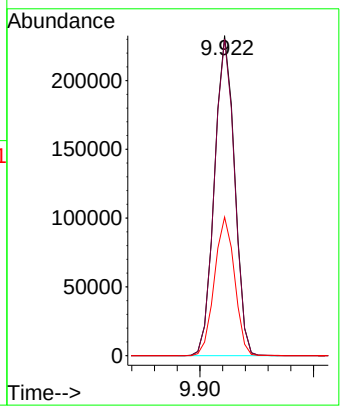


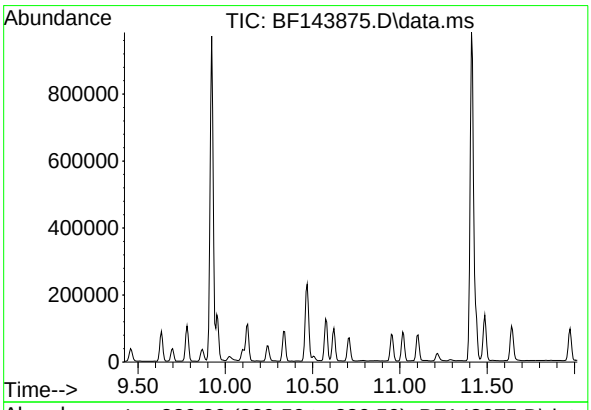
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 285618

Ion	Ratio	Lower	Upper
164	100		
162	98.9	80.2	120.2
160	43.3	35.4	53.0



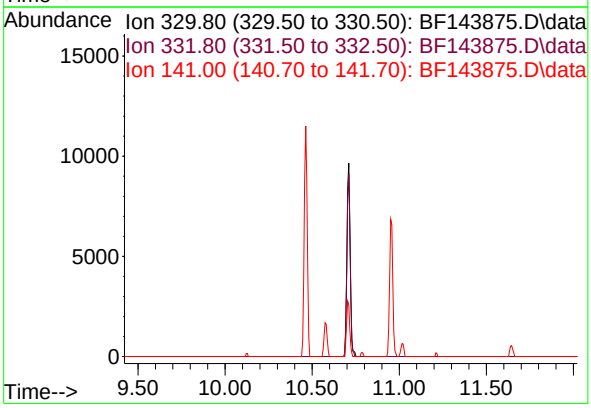


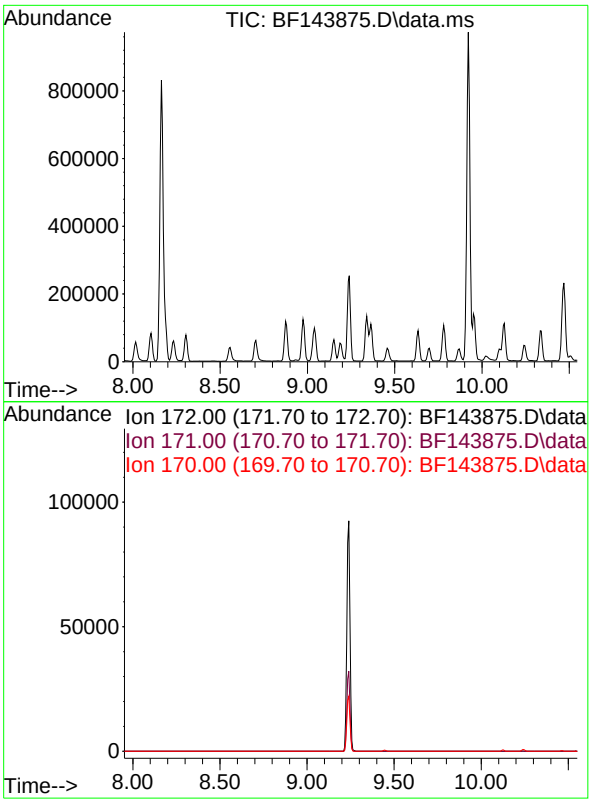
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.72 min

Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.1
141	25.3





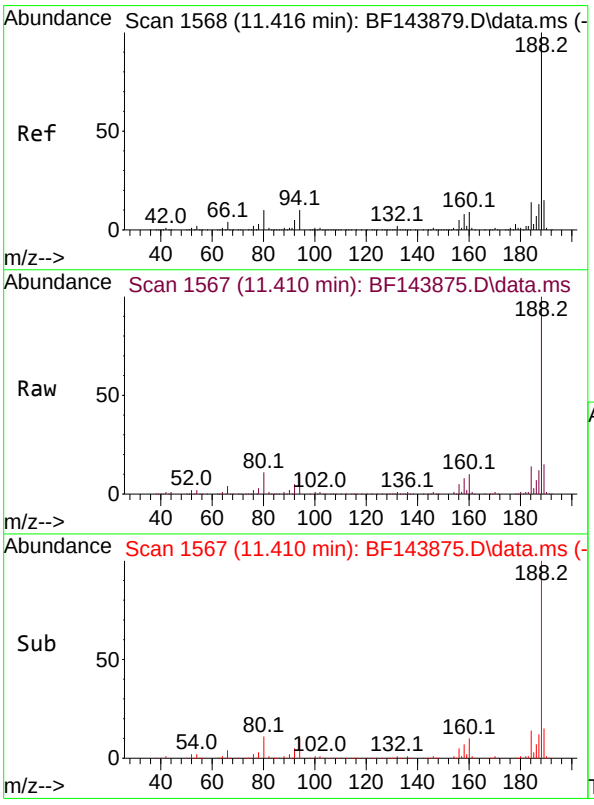
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.25 min

Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

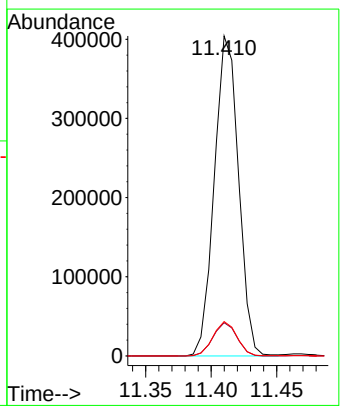
Sig	Exp Ratio
172	100
171	34.2
170	23.3

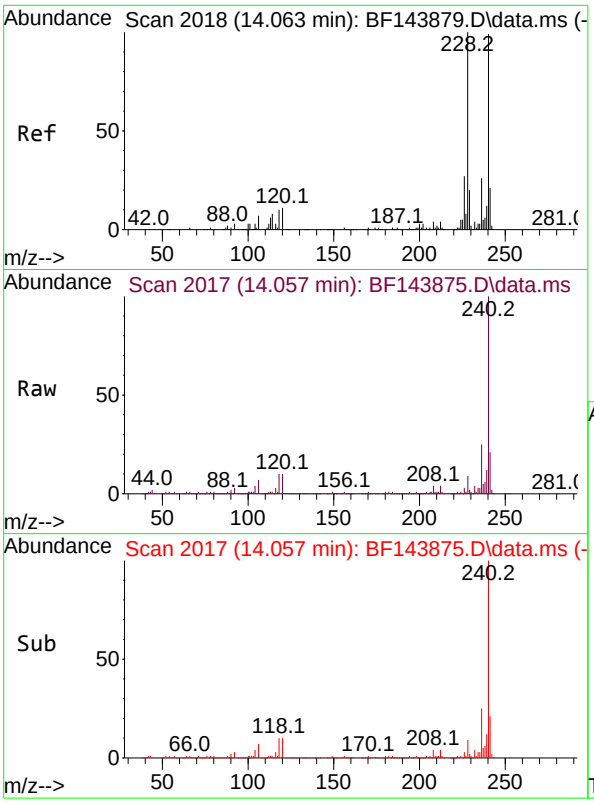


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Tgt Ion:188 Resp: 520523

Ion	Ratio	Lower	Upper
188	100		
94	10.4	7.8	11.6
80	10.7	7.9	11.9



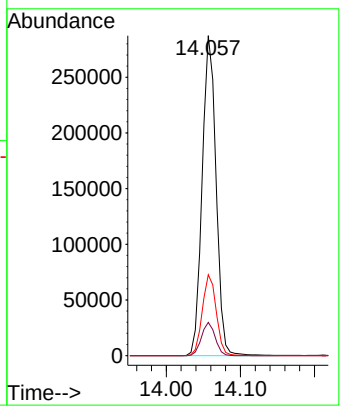


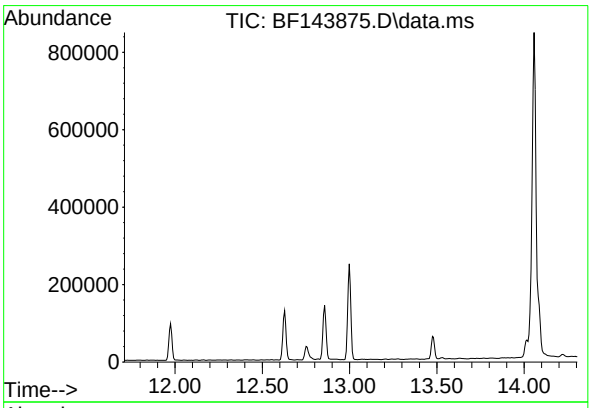
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2(
Delta R.T. -0.011 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 373433

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.6	13.0
236	25.3	21.1	31.7



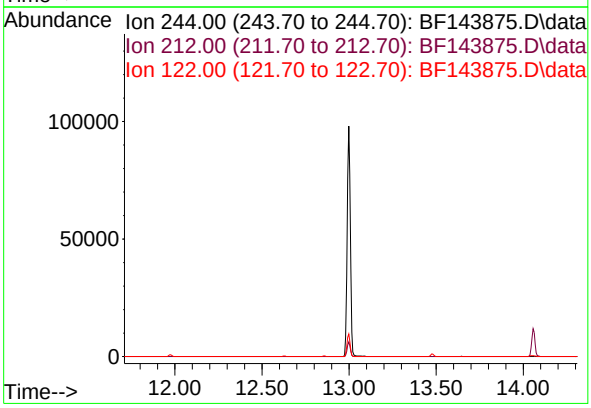


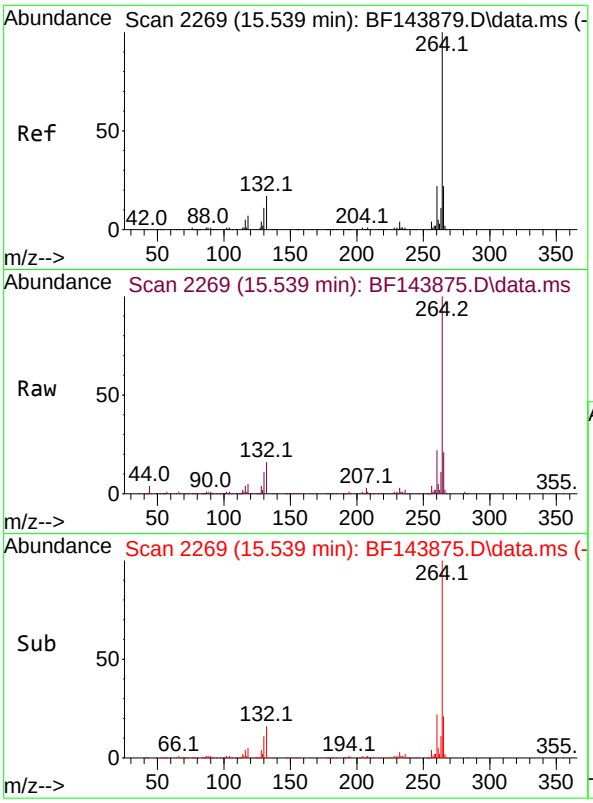
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.01 min

Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.7
122	8.0



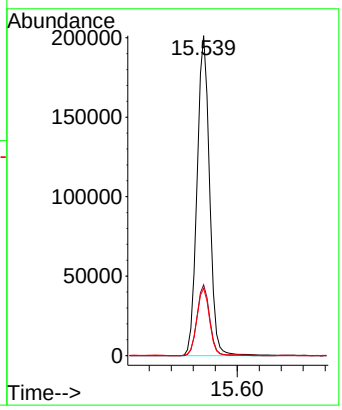


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 316147

Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.8	26.8
265	21.0	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143876.D
Acq On : 06 Oct 2025 10:28
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 16:14:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	137596	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	524114	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	303230	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	538298	20.000	ng	0.00
76) Chrysene-d12	14.057	240	379937	20.000	ng	-0.01
86) Perylene-d12	15.539	264	317181	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	94810	10.942	ng	-0.01
7) Phenol-d6	6.493	99	111877	10.832	ng	-0.02
23) Nitrobenzene-d5	7.440	82	85080	9.862	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	29360	9.721	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	237689	12.438	ng	-0.01
79) Terphenyl-d14	12.998	244	247223	11.121	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	21110	5.265	ng	96
3) Pyridine	3.422	79	58179	4.984	ng	96
6) Aniline	6.540	93	82563	5.335	ng	99
8) 2-Chlorophenol	6.663	128	45534	5.376	ng	96
10) Phenol	6.510	94	66523m	5.388	ng	
11) bis(2-Chloroethyl)ether	6.610	93	51163	5.364	ng	98
12) 1,3-Dichlorobenzene	6.822	146	59929	5.911	ng	96
13) 1,4-Dichlorobenzene	6.898	146	56869	5.686	ng	98
14) 1,2-Dichlorobenzene	7.051	146	54371	5.676	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.151	45	121082	5.577	ng	99
17) 2-Methylphenol	7.122	107	36595	5.228	ng	97
18) Hexachloroethane	7.398	117	18346	5.501	ng	96
19) n-Nitroso-di-n-propyla...	7.281	70	39050	5.524	ng	98
22) Acetophenone	7.287	105	67515	6.092	ng	95
24) Nitrobenzene	7.457	77	48413	5.054	ng	96
25) Isophorone	7.692	82	98761	5.429	ng	100
26) 2-Nitrophenol	7.775	139	15870	3.864	ng	93
27) 2,4-Dimethylphenol	7.810	122	37645	5.095	ng	97
28) bis(2-Chloroethoxy)met...	7.910	93	66779	5.812	ng	99
29) 2,4-Dichlorophenol	8.016	162	41484	5.390	ng	97
30) 1,2,4-Trichlorobenzene	8.104	180	43309	5.722	ng	100
31) Naphthalene	8.187	128	144561	6.063	ng	100
33) 4-Chloroaniline	8.234	127	48181	5.388	ng	97
34) Hexachlorobutadiene	8.304	225	30246	5.751	ng	99
36) 4-Chloro-3-methylphenol	8.704	107	39500	5.343	ng	99
37) 2-Methylnaphthalene	8.875	142	97227	6.122	ng	100
38) 1-Methylnaphthalene	8.975	142	94190	6.114	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	46252	5.519	ng	93
43) 2,4,6-Trichlorophenol	9.151	196	30908	5.047	ng	98
44) 2,4,5-Trichlorophenol	9.187	196	33613	5.194	ng	94
46) 1,1'-Biphenyl	9.339	154	122568	6.105	ng	100
47) 2-Chloronaphthalene	9.363	162	98102	5.861	ng	98
48) 2-Nitroaniline	9.457	65	22188	4.193	ng	98
49) Acenaphthylene	9.781	152	136204	5.788	ng	98
50) Dimethylphthalate	9.634	163	109323	5.677	ng	98
51) 2,6-Dinitrotoluene	9.698	165	15228	4.265	ng	97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143876.D
Acq On : 06 Oct 2025 10:28
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 16:14:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	9.951	154	89242	5.787	ng		98
53) 3-Nitroaniline	9.869	138	19400	4.437	ng	#	97
55) Dibenzofuran	10.128	168	127374	5.852	ng		99
57) 2,4-Dinitrotoluene	10.098	165	19103	3.932	ng	#	97
58) Fluorene	10.469	166	105607	6.430	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.239	232	20888	4.560	ng	#	96
60) Diethylphthalate	10.339	149	100010	5.590	ng		100
61) 4-Chlorophenyl-phenyle...	10.463	204	52199	6.011	ng		95
62) 4-Nitroaniline	10.475	138	19447	4.625	ng		95
63) Azobenzene	10.622	77	105174	5.625	ng		98
66) n-Nitrosodiphenylamine	10.575	169	95847	5.671	ng		96
67) 4-Bromophenyl-phenylether	10.957	248	33236	5.587	ng		95
68) Hexachlorobenzene	11.016	284	37233	5.406	ng		97
69) Atrazine	11.104	200	26507	5.174	ng		93
71) Phenanthrene	11.433	178	156676	6.004	ng		99
72) Anthracene	11.486	178	156289	5.928	ng		99
73) Carbazole	11.639	167	136597	5.850	ng		97
74) Di-n-butylphthalate	11.975	149	146596	5.417	ng		98
75) Fluoranthene	12.627	202	155574	5.771	ng		98
78) Pyrene	12.857	202	174542	5.510	ng		99
80) Butylbenzylphthalate	13.474	149	44252	4.302	ng		99
81) Benzo(a)anthracene	14.045	228	127434	5.125	ng		98
83) Chrysene	14.080	228	130450	5.669	ng		99
84) Bis(2-ethylhexyl)phtha...	14.039	149	56165	4.529	ng		99
87) Indeno(1,2,3-cd)pyrene	17.021	276	88321	4.544	ng		95
88) Benzo(b)fluoranthene	15.098	252	95737	5.255	ng		100
89) Benzo(k)fluoranthene	15.127	252	90226	5.352	ng		99
90) Benzo(a)pyrene	15.474	252	79275	5.018	ng	#	96
91) Dibenzo(a,h)anthracene	17.045	278	70452	4.507	ng		97
92) Benzo(g,h,i)perylene	17.474	276	70468	4.508	ng		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

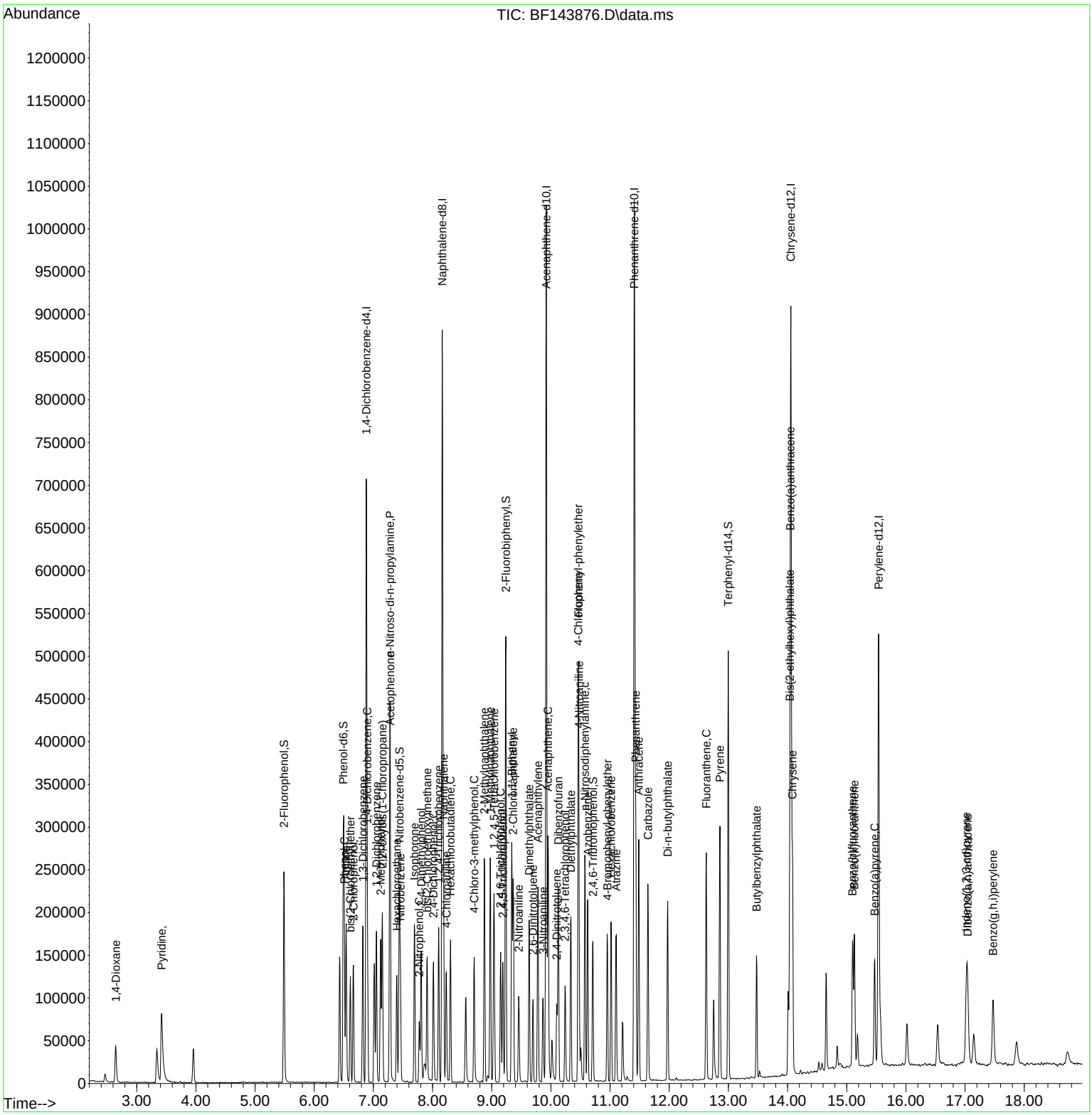
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143876.D
Acq On : 06 Oct 2025 10:28
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

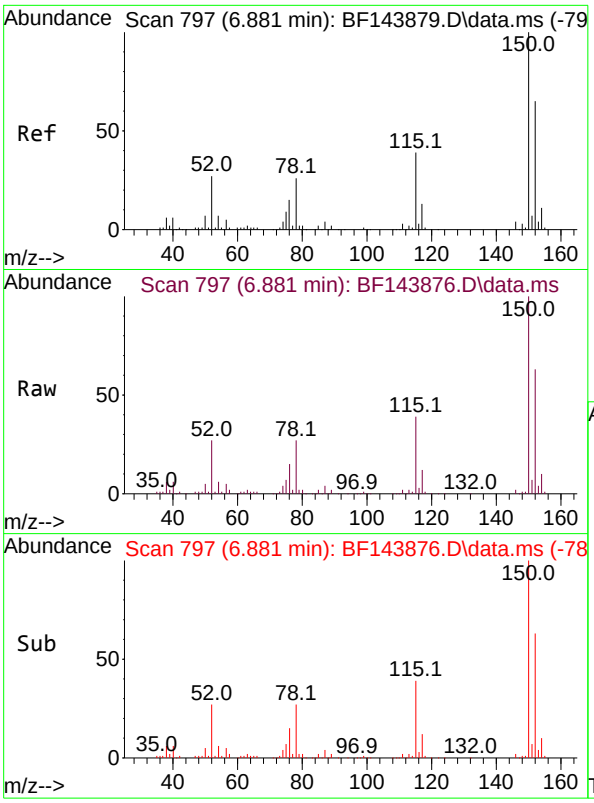
Quant Time: Oct 06 16:14:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

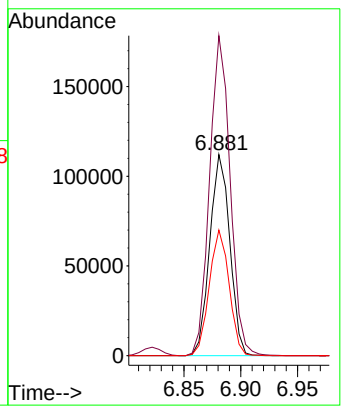




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:152 Resp: 13759

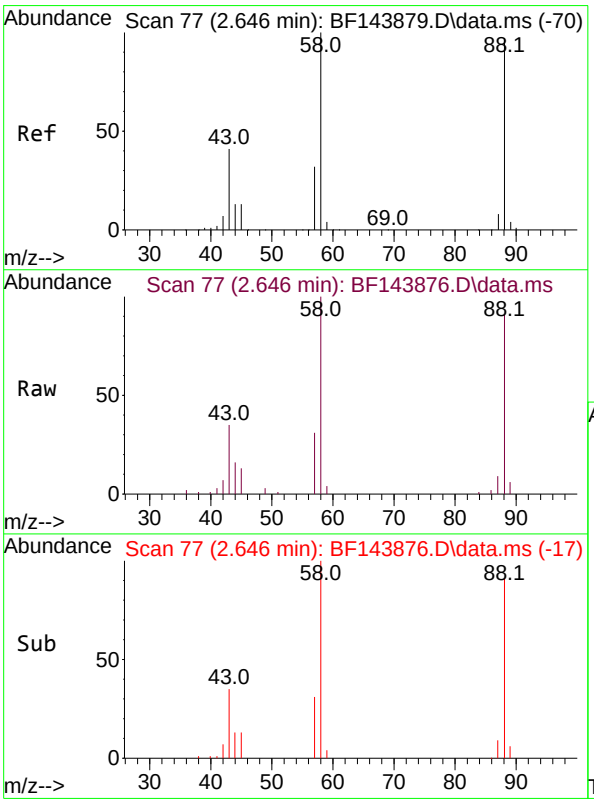
Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.4	186.6
115	62.4	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

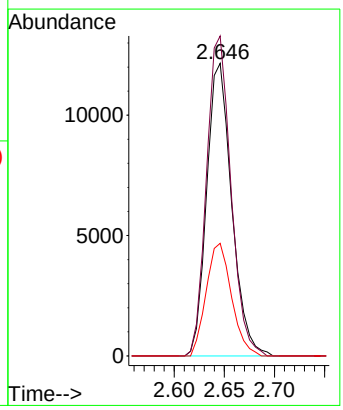
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

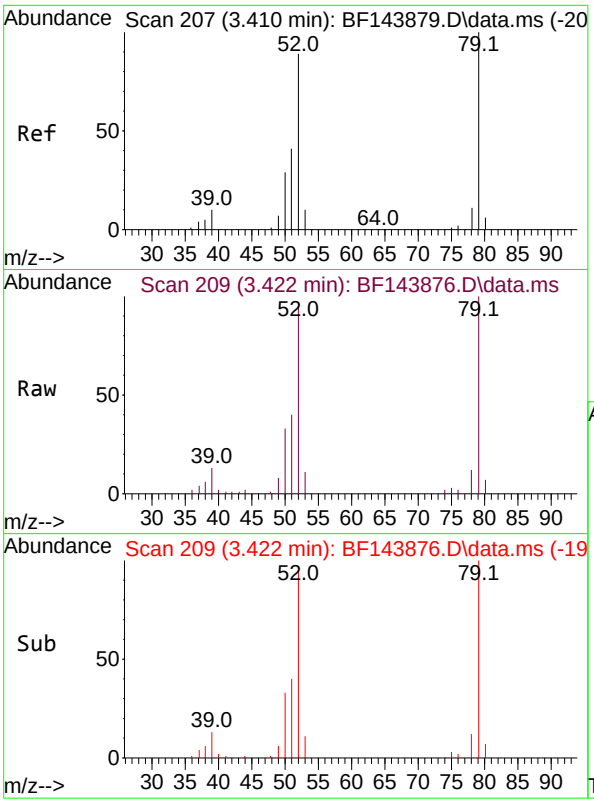


#2
1,4-Dioxane
Concen: 5.265 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.000 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 88 Resp: 21110

Ion	Ratio	Lower	Upper
88	100		
58	106.6	83.0	124.6
43	38.9	33.9	50.9

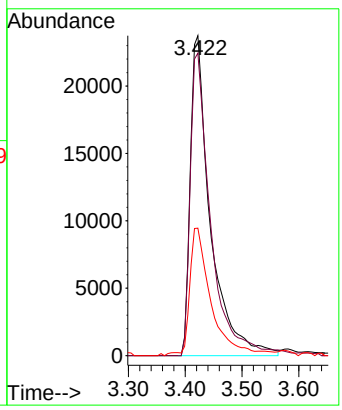




#3
Pyridine
Concen: 4.984 ng
RT: 3.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 79 Resp: 5817

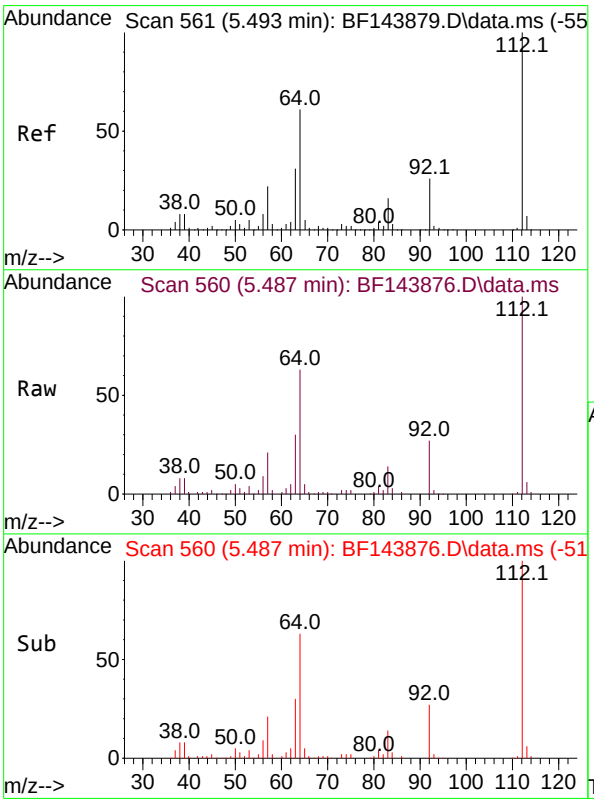
Ion	Ratio	Lower	Upper
79	100		
52	94.5	71.5	107.3
51	39.8	32.9	49.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

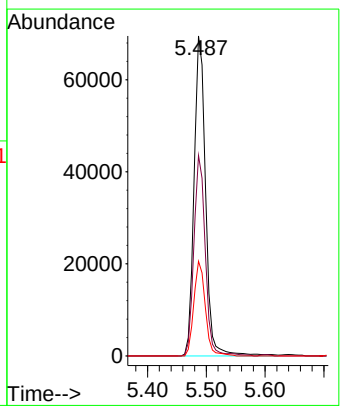
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

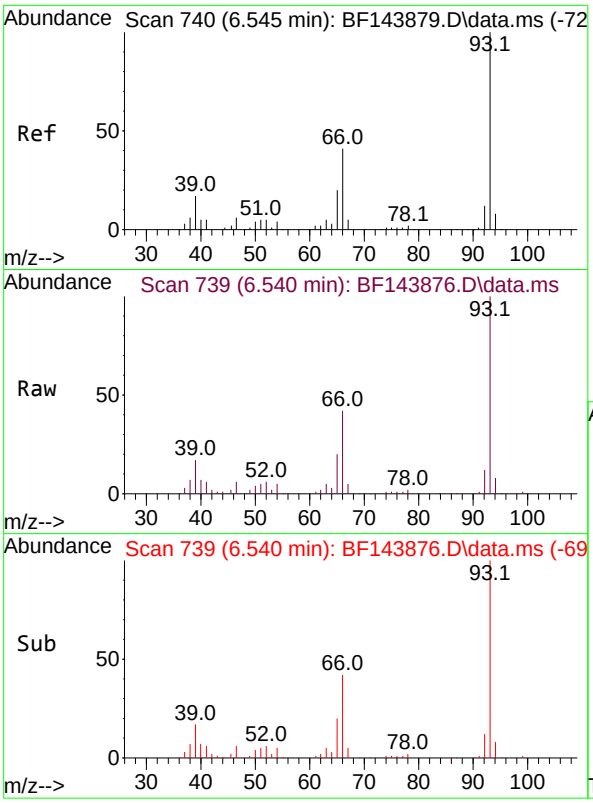


#5
2-Fluorophenol
Concen: 10.942 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:112 Resp: 94810

Ion	Ratio	Lower	Upper
112	100		
64	62.6	49.1	73.7
63	29.6	24.5	36.7

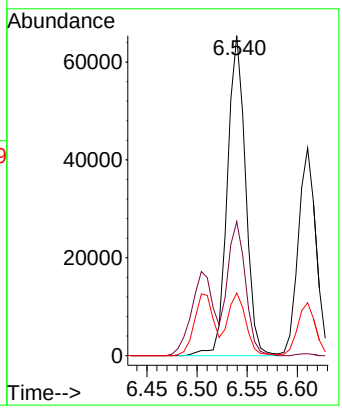




#6
Aniline
Concen: 5.335 ng
RT: 6.540 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 93 Resp: 8256

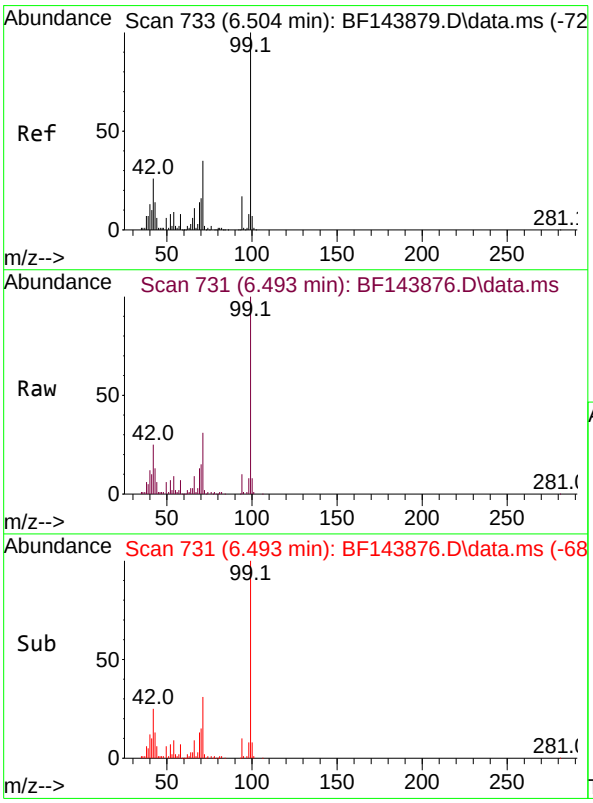
Ion	Ratio	Lower	Upper
93	100		
66	41.9	33.0	49.6
65	19.6	15.8	23.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

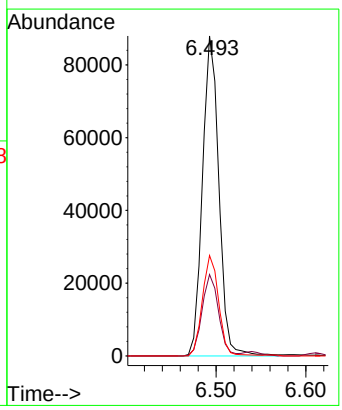
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

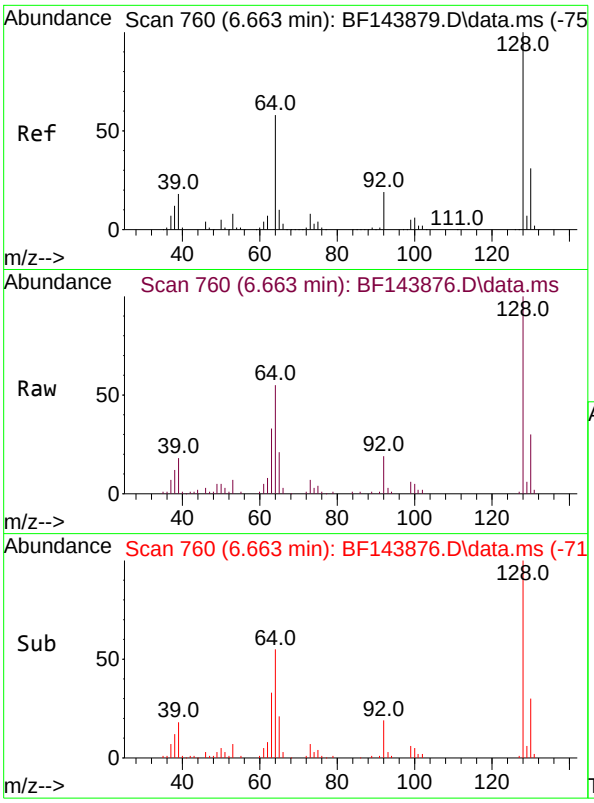


#7
Phenol-d6
Concen: 10.832 ng
RT: 6.493 min Scan# 731
Delta R.T. -0.023 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 99 Resp: 111877

Ion	Ratio	Lower	Upper
99	100		
42	25.4	21.0	31.4
71	31.4	27.8	41.8

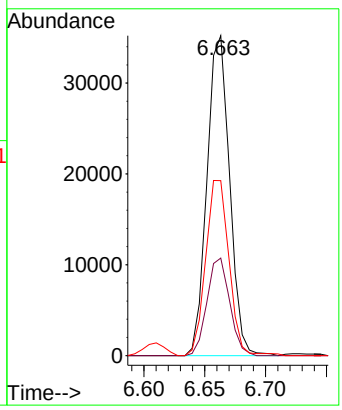




#8
2-Chlorophenol
Concen: 5.376 ng
RT: 6.663 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:128 Resp: 4553

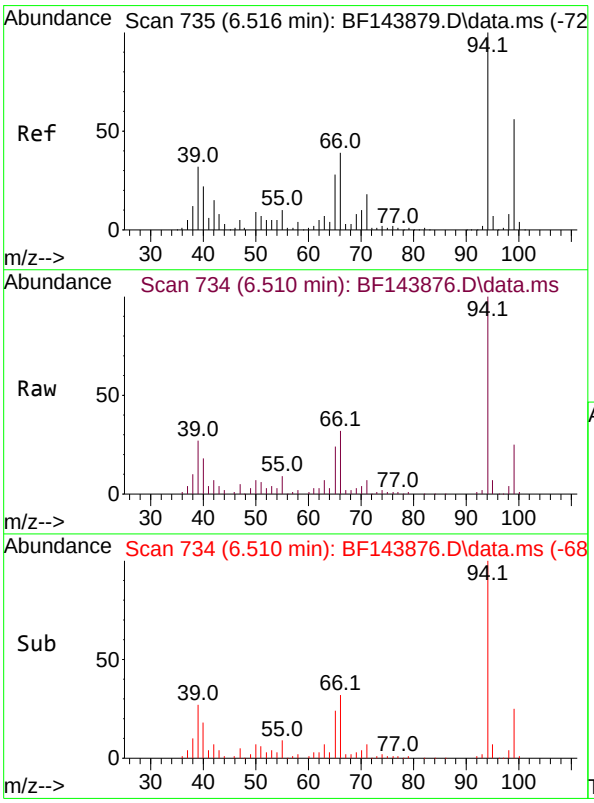
Ion	Ratio	Lower	Upper
128	100		
130	30.5	10.7	50.7
64	54.7	39.0	79.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

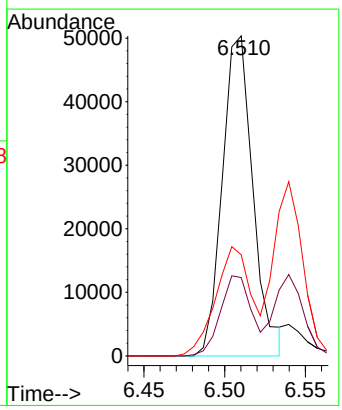
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

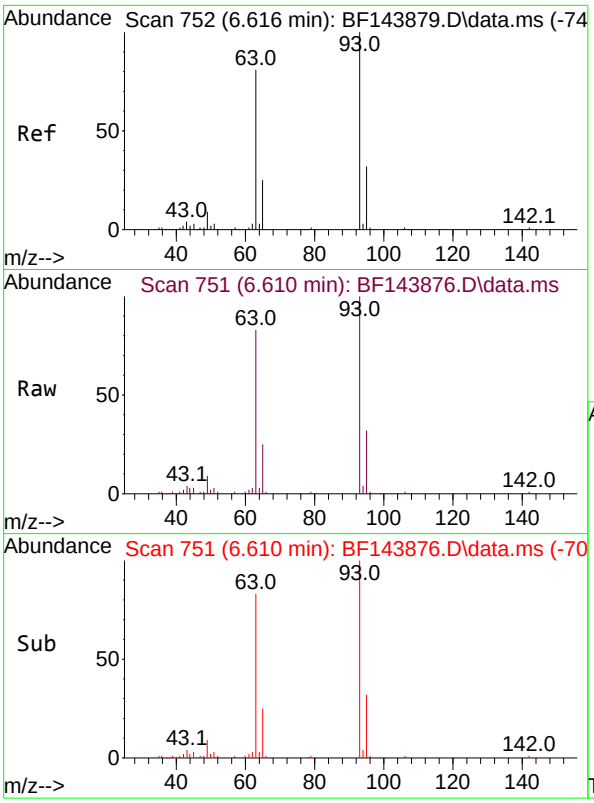


#10
Phenol
Concen: 5.388 ng m
RT: 6.510 min Scan# 734
Delta R.T. -0.023 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 94 Resp: 66523

Ion	Ratio	Lower	Upper
94	100		
65	24.5	8.5	48.5
66	31.6	19.9	59.9

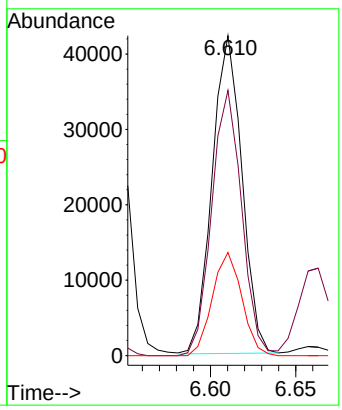




#11
bis(2-Chloroethyl)ether
Concen: 5.364 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 93 Resp: 5116

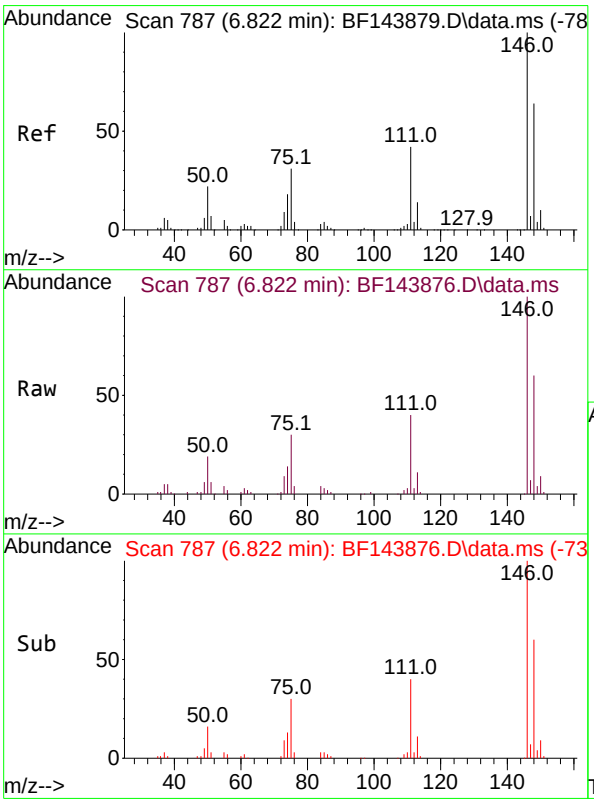
Ion	Ratio	Lower	Upper
93	100		
63	82.9	60.9	100.9
95	32.2	11.5	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

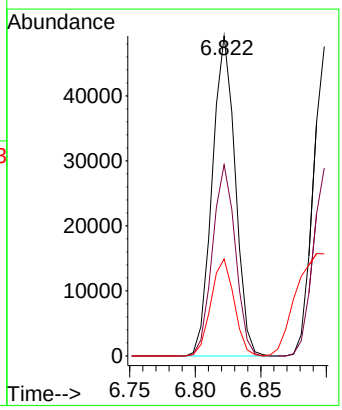
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

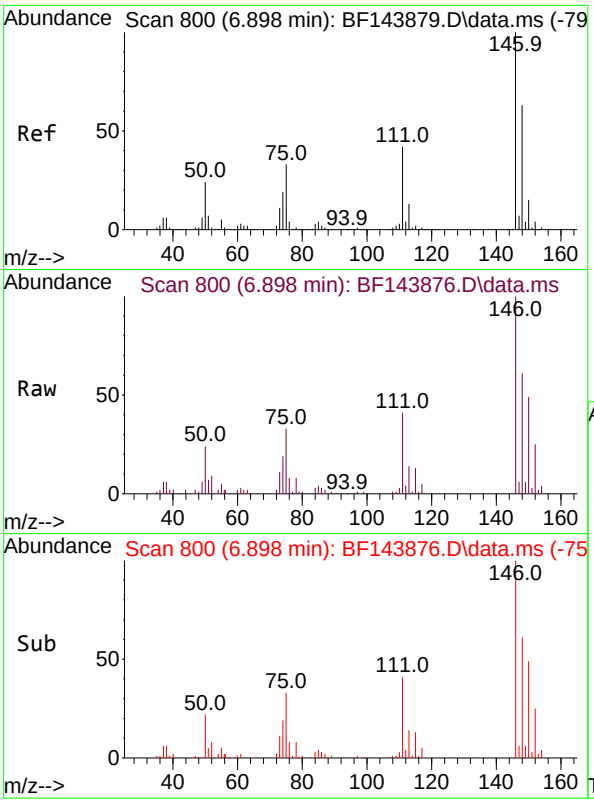


#12
1,3-Dichlorobenzene
Concen: 5.911 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:146 Resp: 59929

Ion	Ratio	Lower	Upper
146	100		
148	59.7	51.0	76.4
75	30.3	24.9	37.3

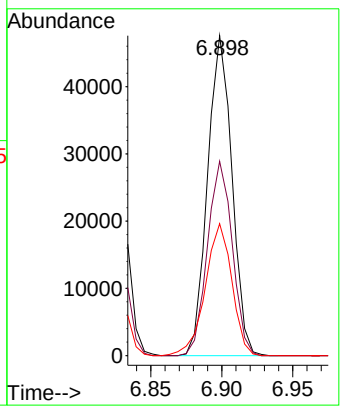




#13
1,4-Dichlorobenzene
Concen: 5.686 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:146 Resp: 5686

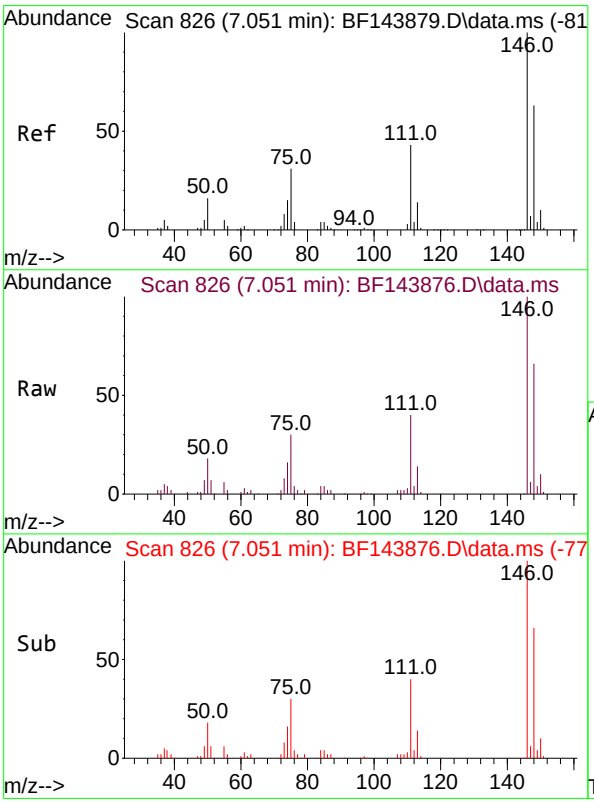
Ion	Ratio	Lower	Upper
146	100		
148	60.7	50.5	75.7
111	41.2	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

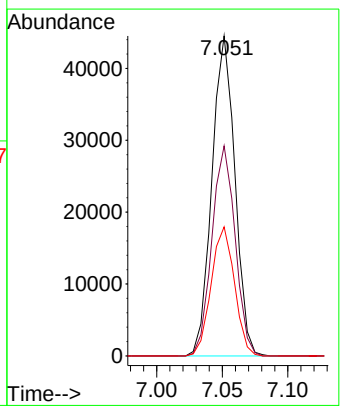
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

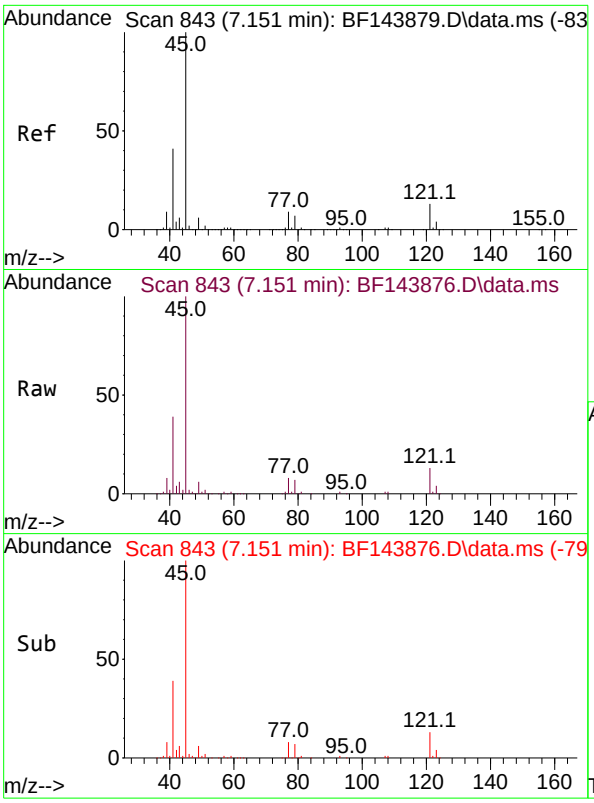


#14
1,2-Dichlorobenzene
Concen: 5.676 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:146 Resp: 54371

Ion	Ratio	Lower	Upper
146	100		
148	65.6	50.6	75.8
111	40.3	34.6	51.8

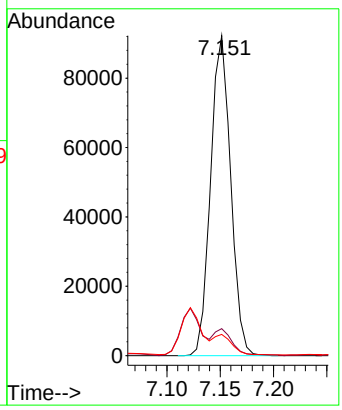




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.577 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 45 Resp: 12108

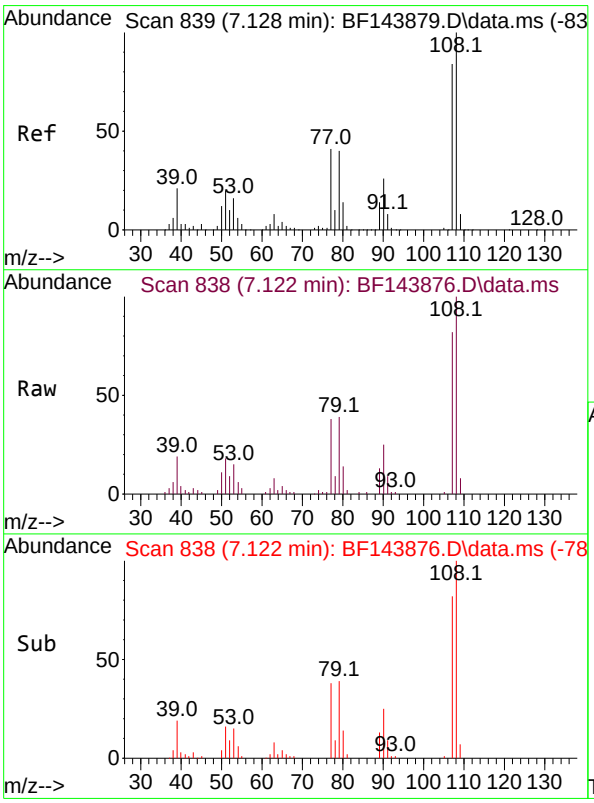
Ion	Ratio	Lower	Upper
45	100		
77	8.4	0.0	29.0
79	6.6	0.0	26.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

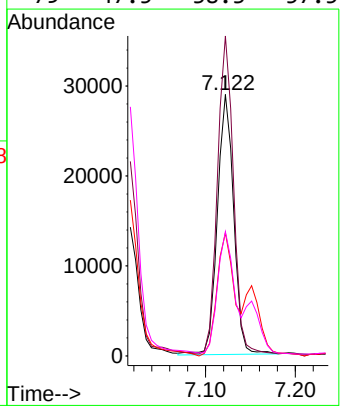
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

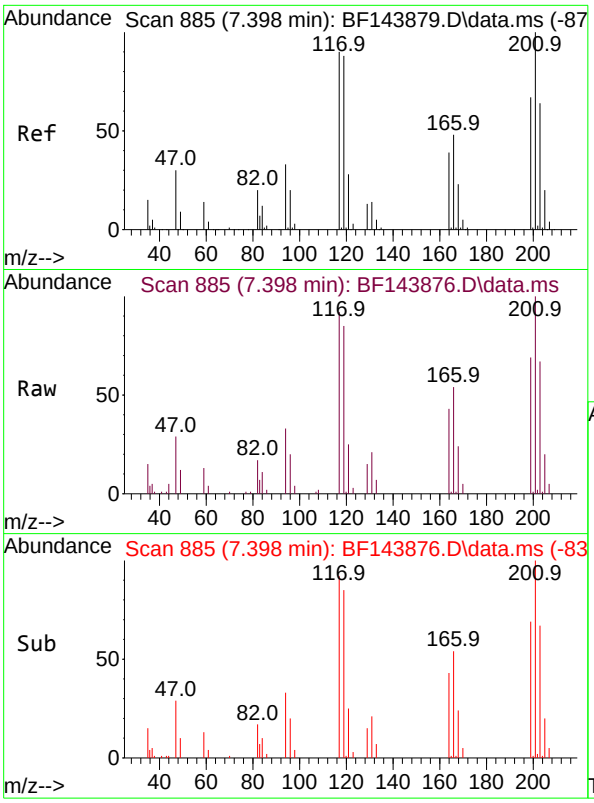


#17
2-Methylphenol
Concen: 5.228 ng
RT: 7.122 min Scan# 838
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:107 Resp: 36595

Ion	Ratio	Lower	Upper
107	100		
108	122.4	94.7	142.1
77	47.0	38.8	58.2
79	47.5	38.3	57.5

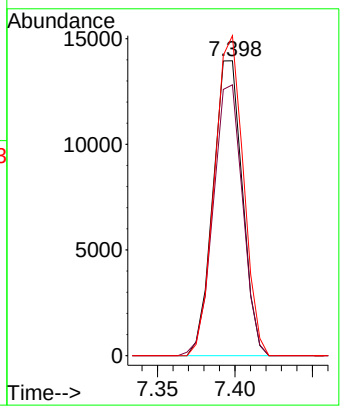




#18
Hexachloroethane
Concen: 5.501 ng
RT: 7.398 min Scan# 88
Delta R.T. 0.000 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:117 Resp: 1834

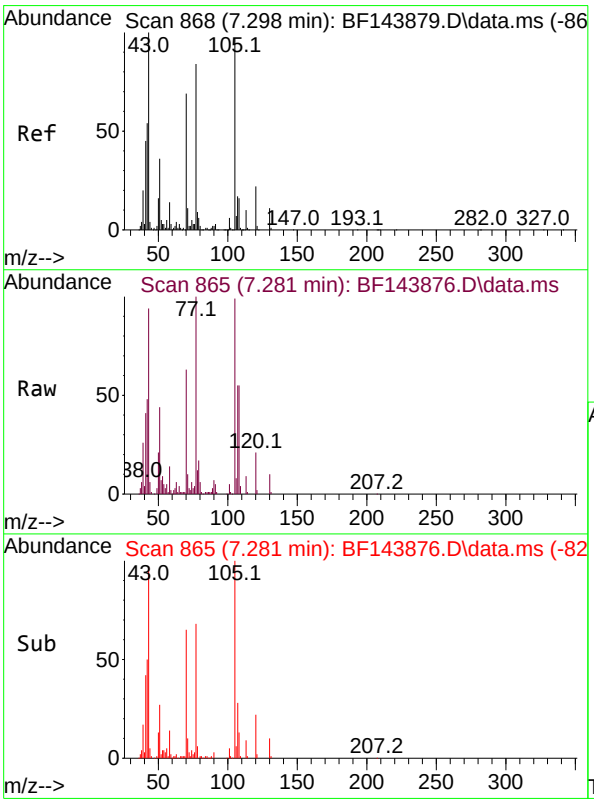
Ion	Ratio	Lower	Upper
117	100		
119	91.8	77.8	116.8
201	108.5	88.5	132.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

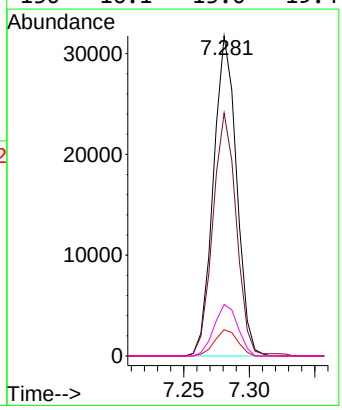
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

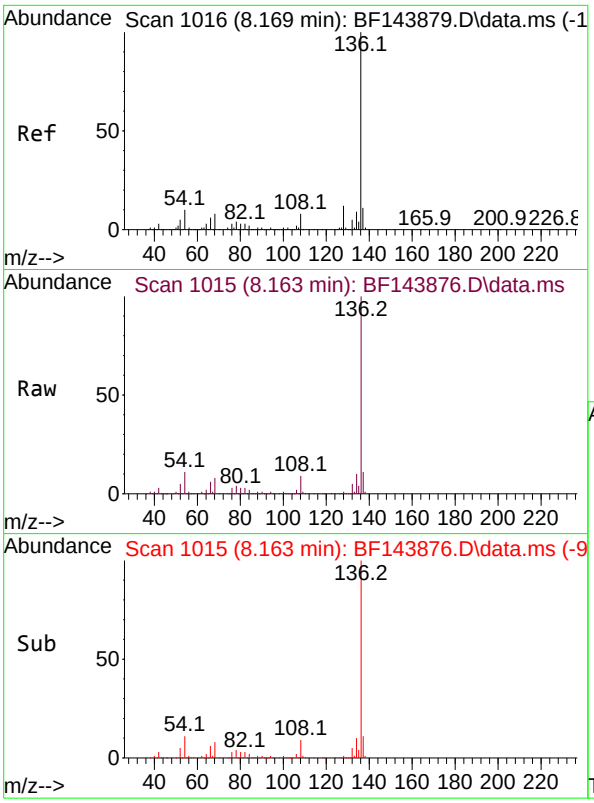


#19
n-Nitroso-di-n-propylamine
Concen: 5.524 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.035 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 70 Resp: 39050

Ion	Ratio	Lower	Upper
70	100		
42	75.9	62.8	94.2
101	8.2	6.7	10.1
130	16.1	13.0	19.4

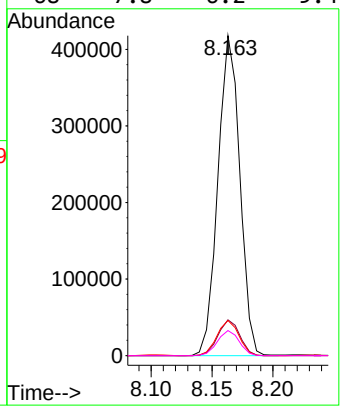




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:136 Resp: 524114

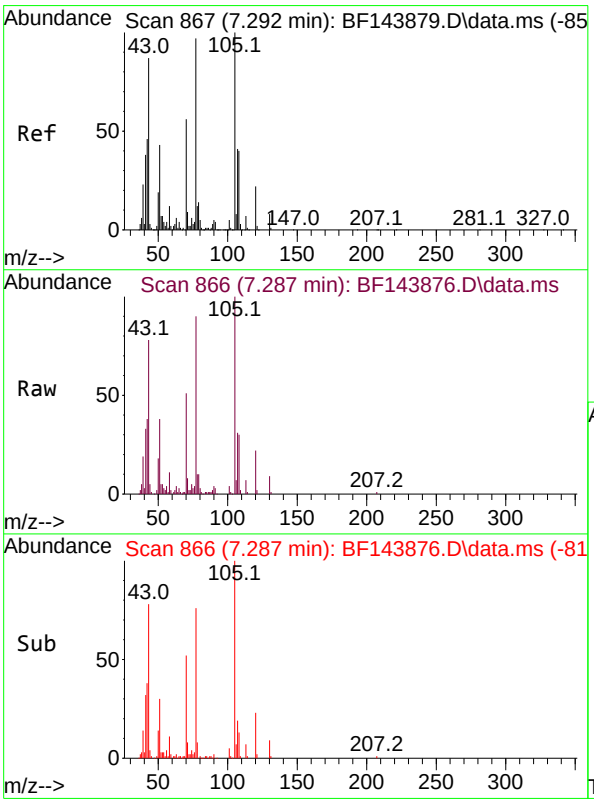
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	11.0	8.2	12.4
68	7.8	6.2	9.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

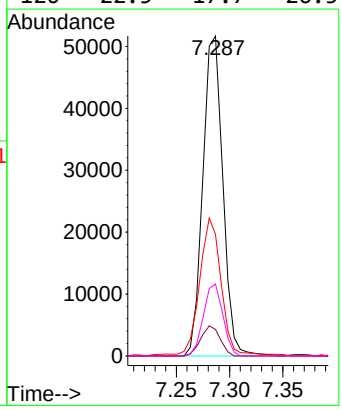
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

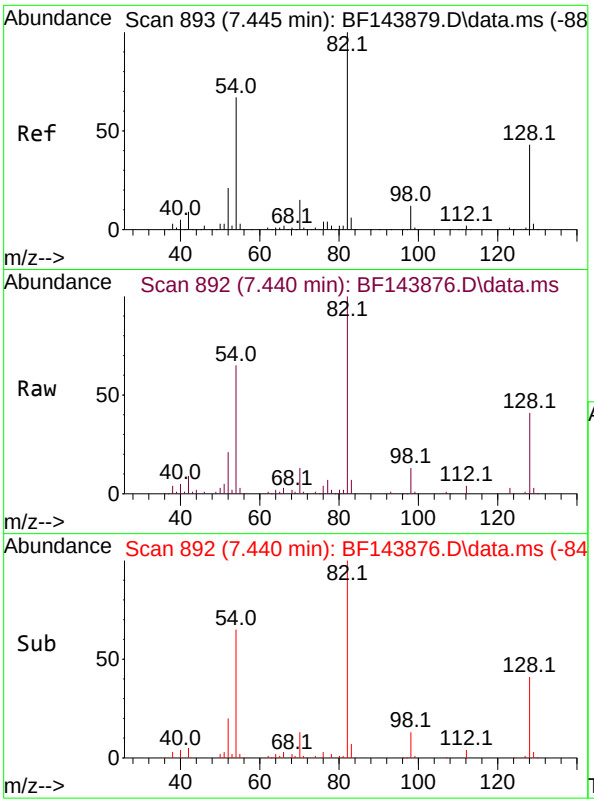


#22
Acetophenone
Concen: 6.092 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:105 Resp: 67515

Ion	Ratio	Lower	Upper
105	100		
71	8.3	7.4	11.0
51	38.0	34.2	51.4
120	22.5	17.7	26.5

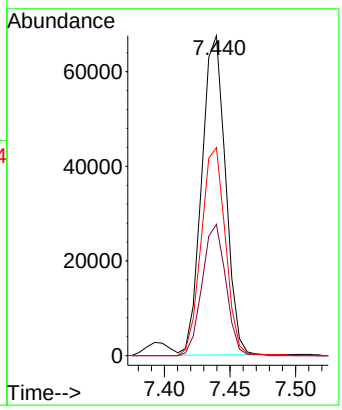




#23
Nitrobenzene-d5
Concen: 9.862 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 82 Resp: 8508

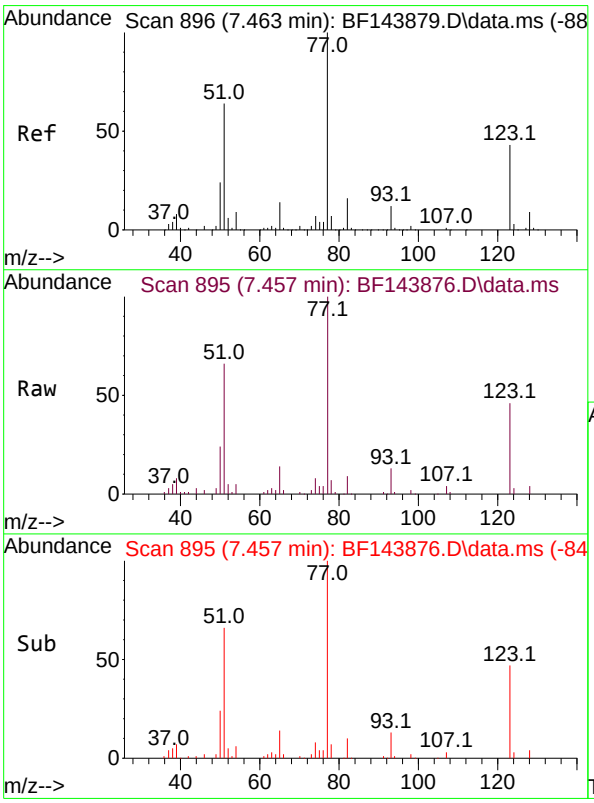
Ion	Ratio	Lower	Upper
82	100		
128	41.0	34.0	51.0
54	65.0	53.2	79.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

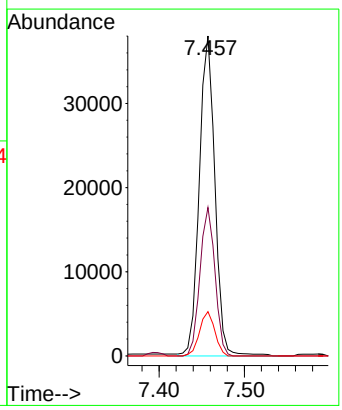
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

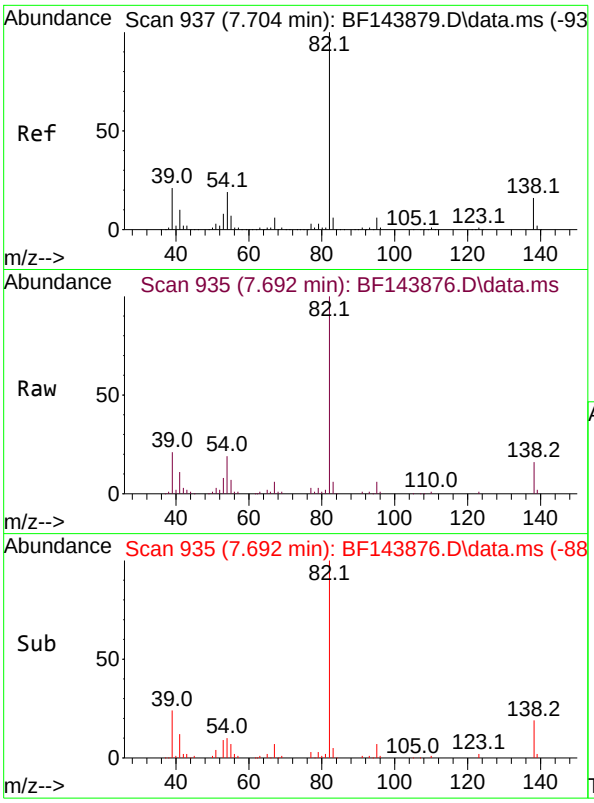


#24
Nitrobenzene
Concen: 5.054 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 77 Resp: 48413

Ion	Ratio	Lower	Upper
77	100		
123	46.4	34.2	51.4
65	13.8	11.0	16.6

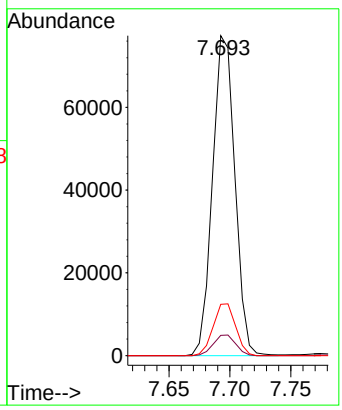




#25
Isophorone
Concen: 5.429 ng
RT: 7.692 min Scan# 9
Delta R.T. -0.029 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 82 Resp: 9876

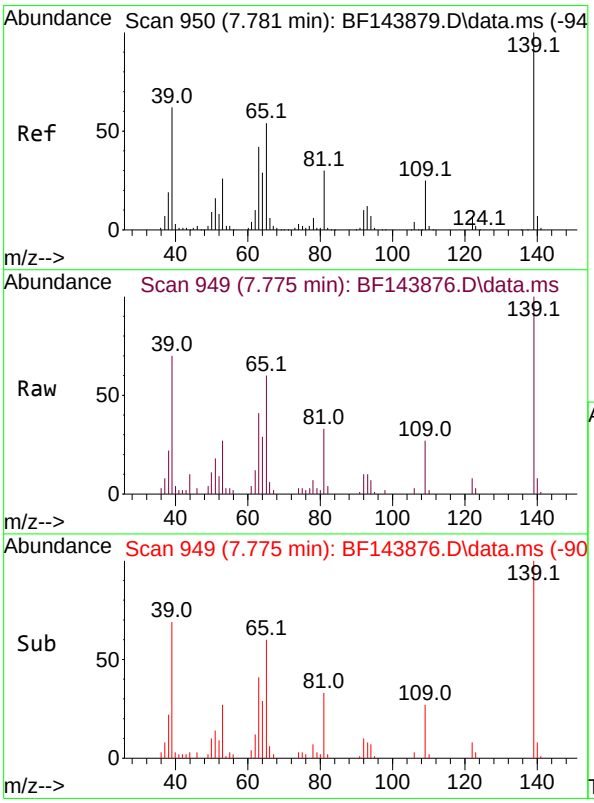
Ion	Ratio	Lower	Upper
82	100		
95	6.3	5.1	7.7
138	16.0	12.9	19.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

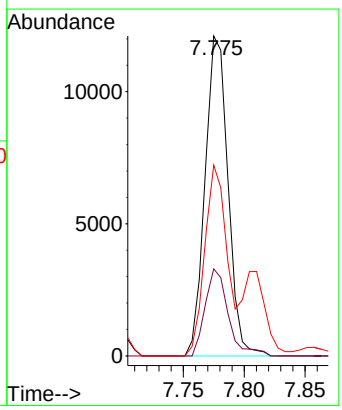
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

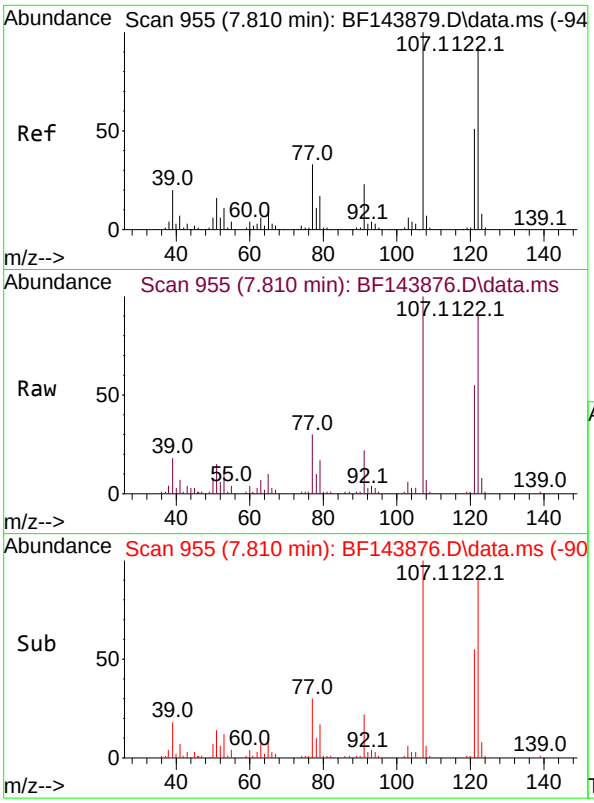


#26
2-Nitrophenol
Concen: 3.864 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:139 Resp: 15870

Ion	Ratio	Lower	Upper
139	100		
109	27.2	19.8	29.6
65	59.6	42.9	64.3

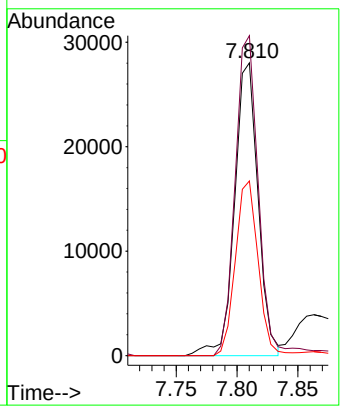




#27
2,4-Dimethylphenol
Concen: 5.095 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:122 Resp: 3764

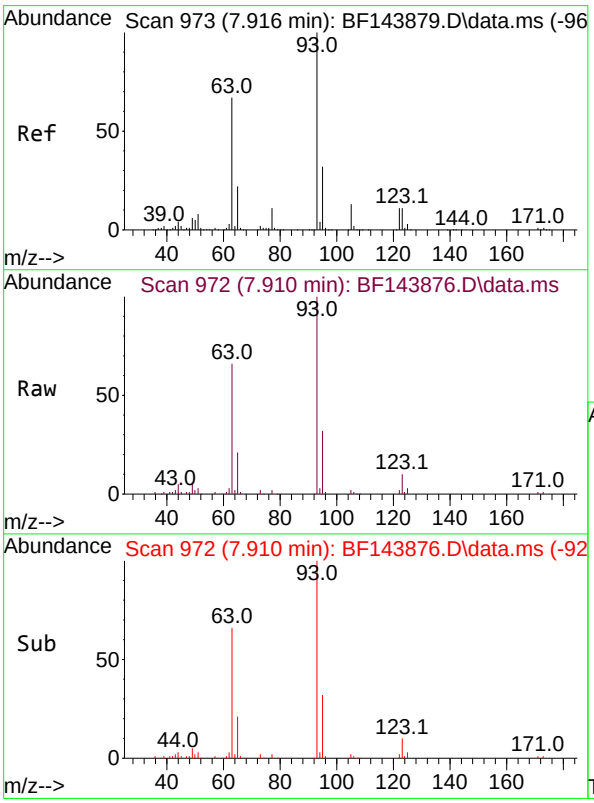
Ion	Ratio	Lower	Upper
122	100		
107	109.3	86.1	129.1
121	59.6	43.8	65.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

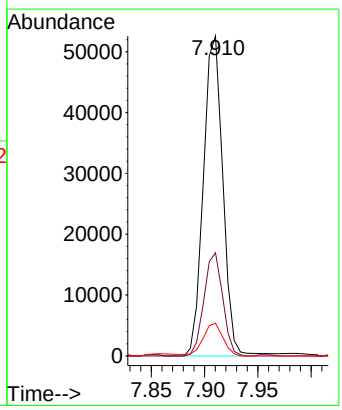
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

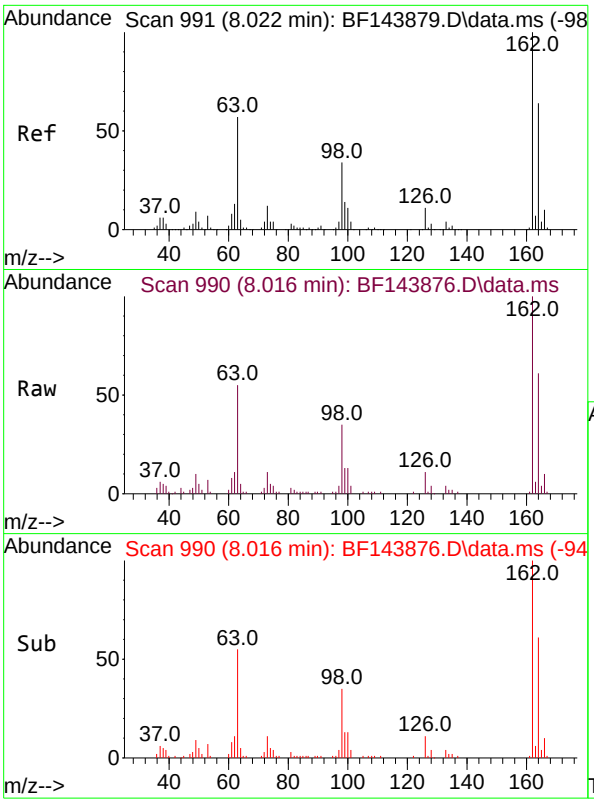


#28
bis(2-Chloroethoxy)methane
Concen: 5.812 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 93 Resp: 66779

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.9	38.9
123	10.2	9.4	14.0

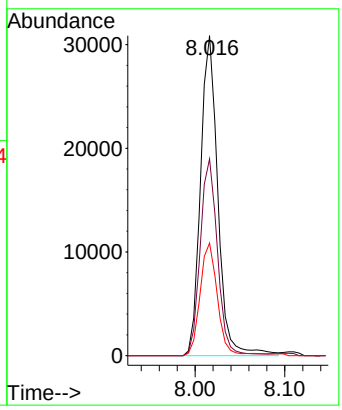




#29
2,4-Dichlorophenol
Concen: 5.390 ng
RT: 8.016 min Scan# 99
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:162 Resp: 4148

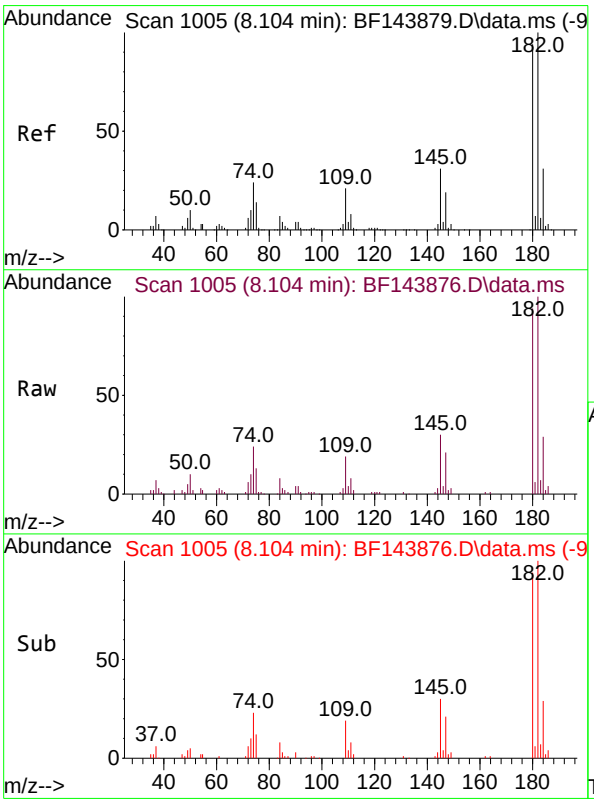
Ion	Ratio	Lower	Upper
162	100		
164	61.5	43.9	83.9
98	35.2	14.4	54.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

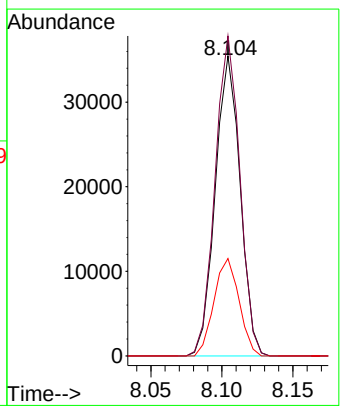
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

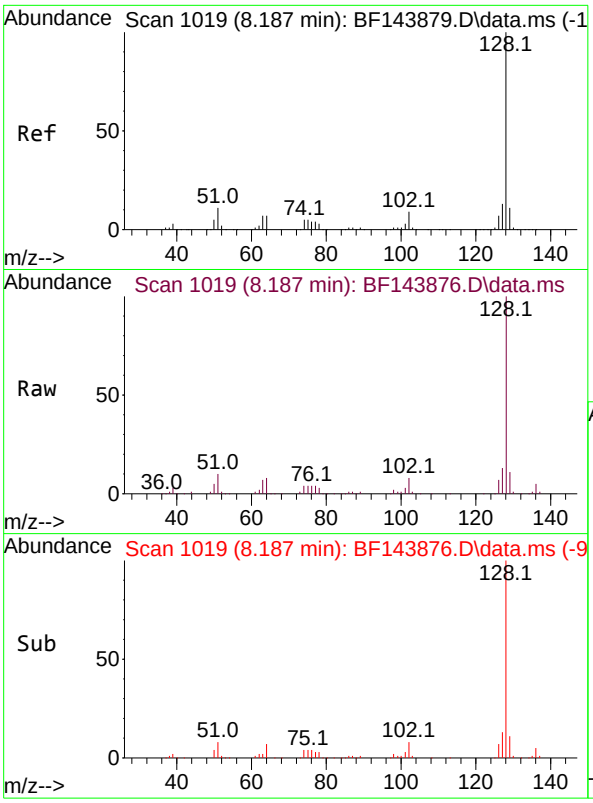


#30
1,2,4-Trichlorobenzene
Concen: 5.722 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:180 Resp: 43309

Ion	Ratio	Lower	Upper
180	100		
182	106.7	85.4	128.0
145	32.5	26.3	39.5

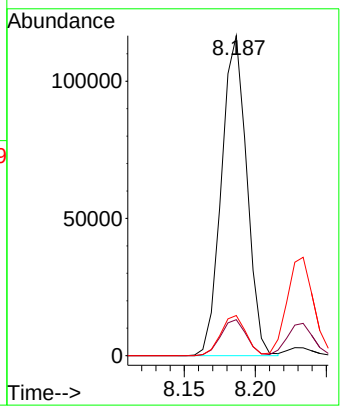




#31
Naphthalene
Concen: 6.063 ng
RT: 8.187 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:128 Resp: 14456

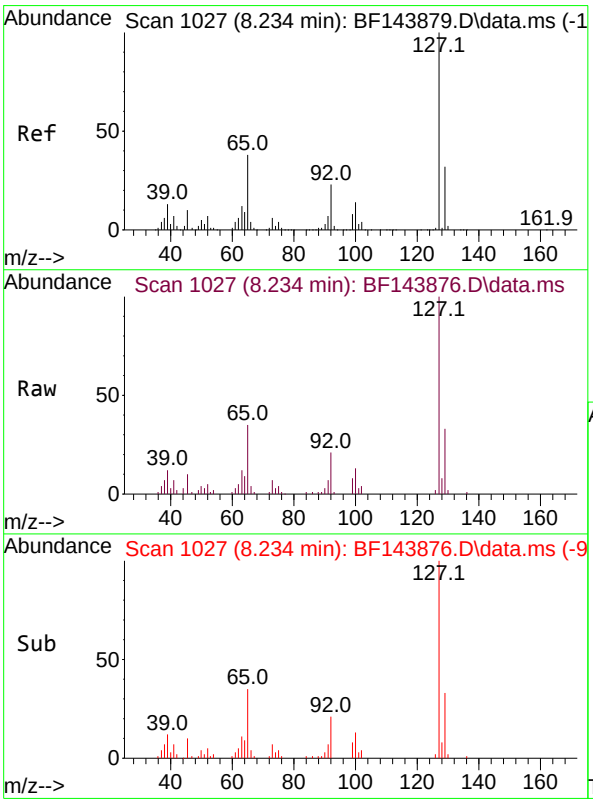
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	12.5	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

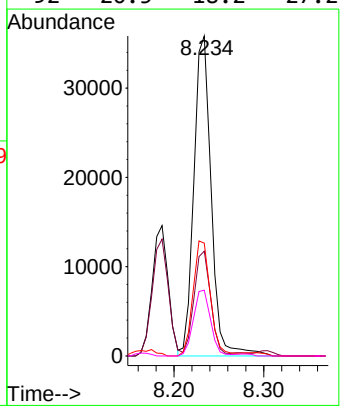
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

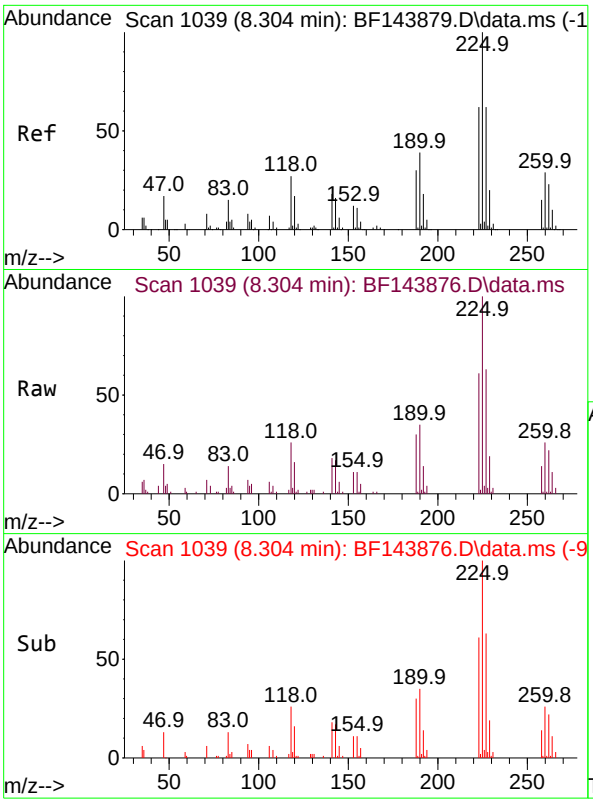


#33
4-Chloroaniline
Concen: 5.388 ng
RT: 8.234 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:127 Resp: 48181

Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.8	38.8
65	35.2	30.0	45.0
92	20.5	18.2	27.2

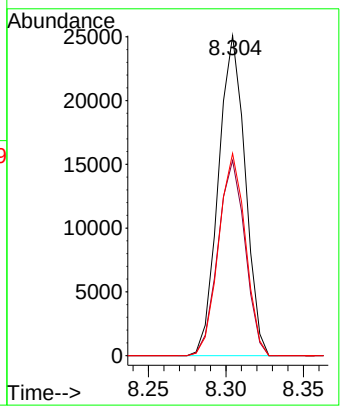




#34
Hexachlorobutadiene
Concen: 5.751 ng
RT: 8.304 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:225 Resp: 3024

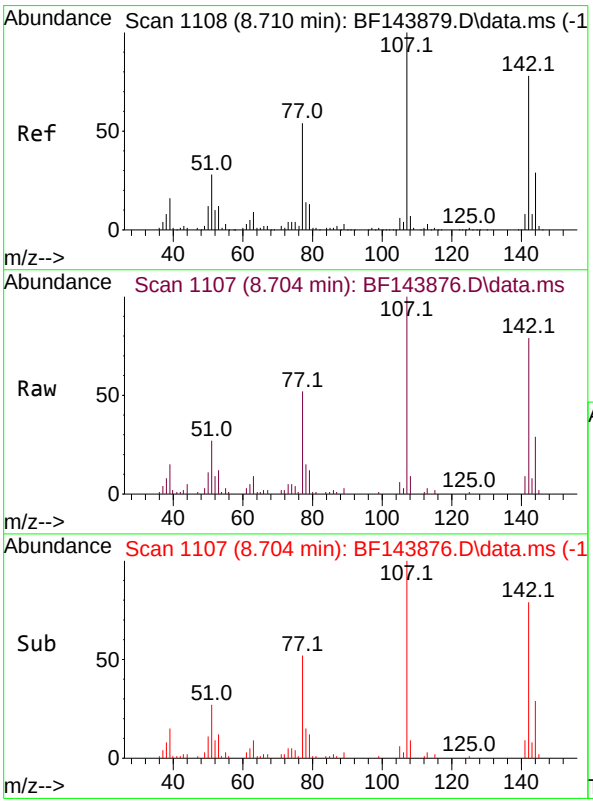
Ion	Ratio	Lower	Upper
225	100		
223	61.0	49.4	74.2
227	63.2	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

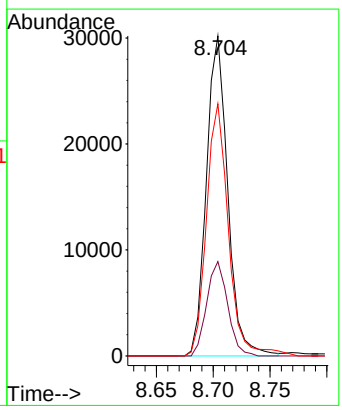
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

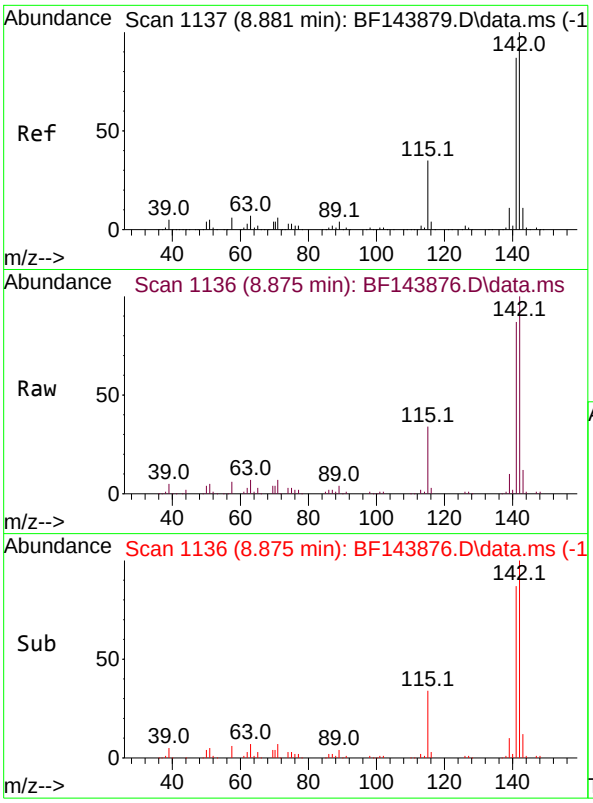


#36
4-Chloro-3-methylphenol
Concen: 5.343 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:107 Resp: 39500

Ion	Ratio	Lower	Upper
107	100		
144	29.5	23.1	34.7
142	78.8	62.6	94.0

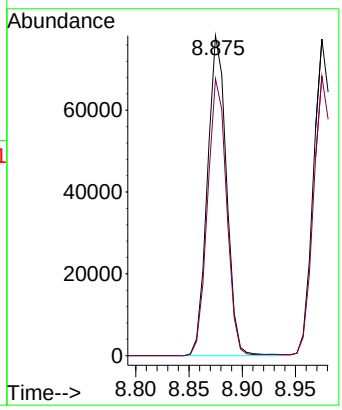




#37
2-Methylnaphthalene
Concen: 6.122 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:142 Resp: 9722

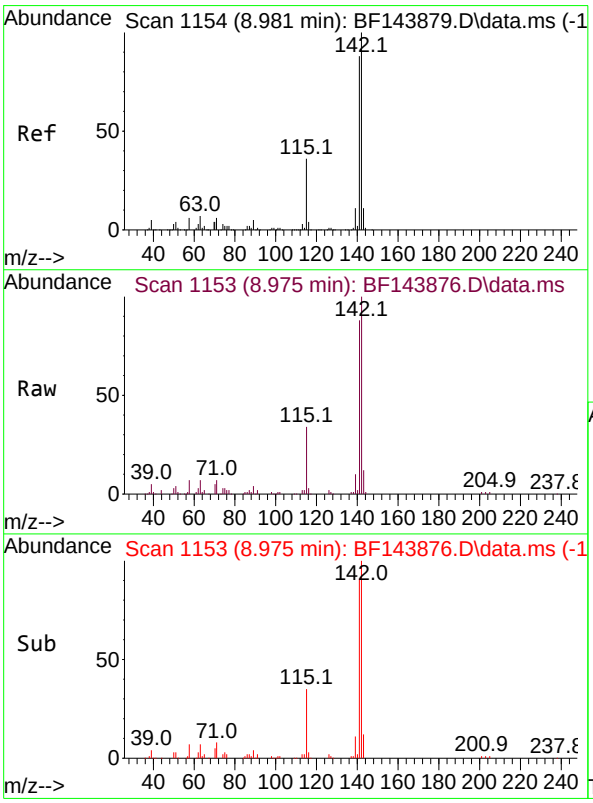
Ion	Ratio	Lower	Upper
142	100		
141	86.5	69.2	103.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

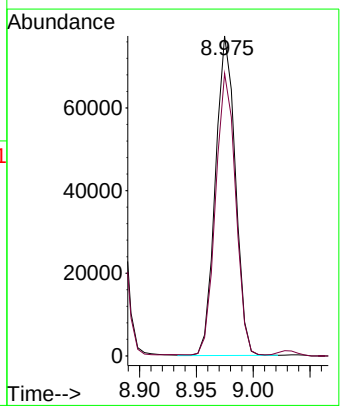
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

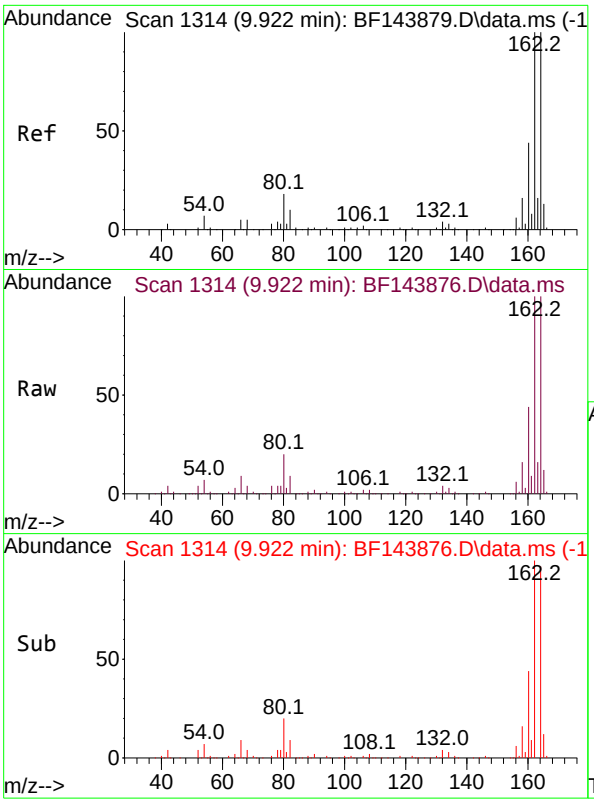


#38
1-Methylnaphthalene
Concen: 6.114 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.011 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:142 Resp: 94190

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.8	106.2

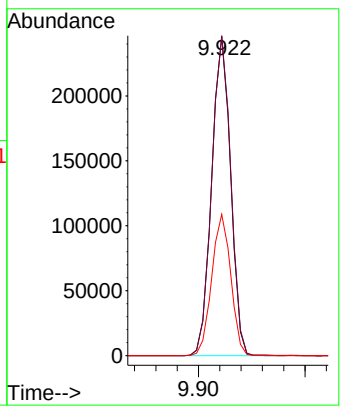




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:164 Resp: 30323

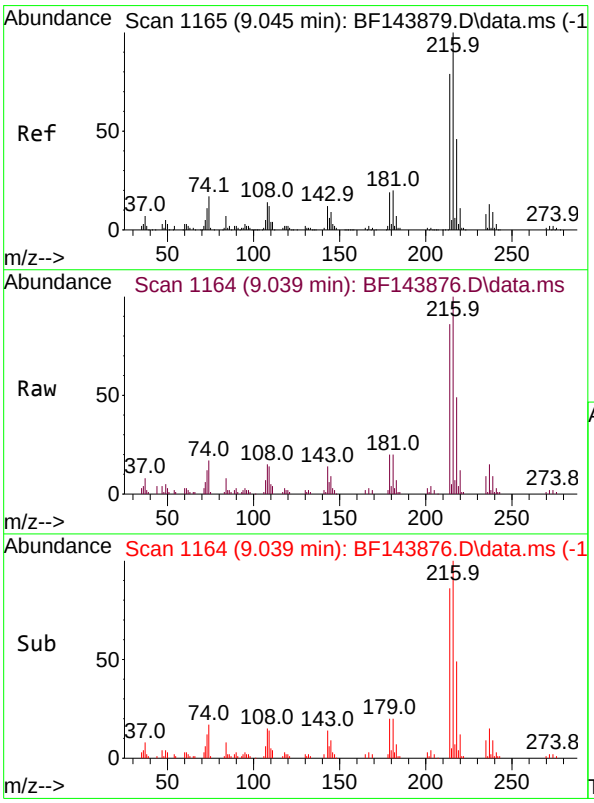
Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.2	120.2
160	44.3	35.4	53.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

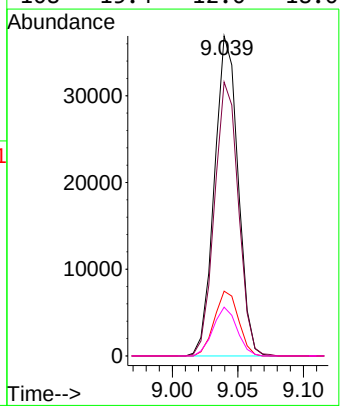
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

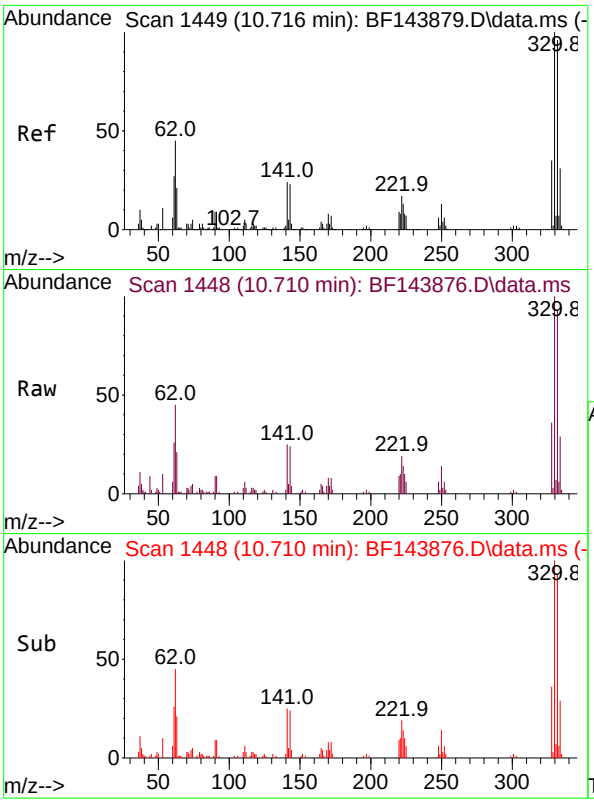


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.519 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:216 Resp: 46252

Ion	Ratio	Lower	Upper
216	100		
214	86.6	62.6	94.0
179	20.7	15.4	23.0
108	15.4	12.0	18.0

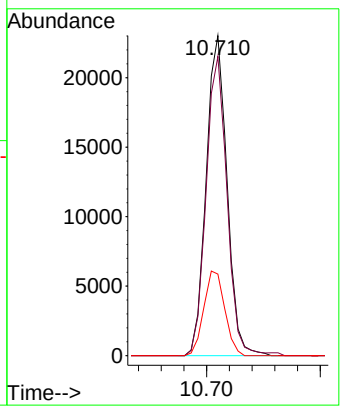




#42
2,4,6-Tribromophenol
Concen: 9.721 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:330 Resp: 2936

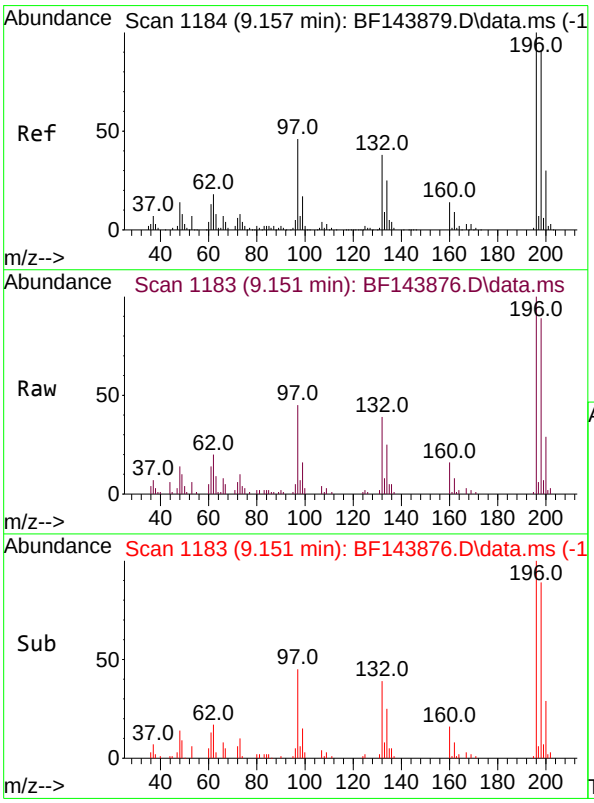
Ion	Ratio	Lower	Upper
330	100		
332	93.9	76.9	115.3
141	26.6	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

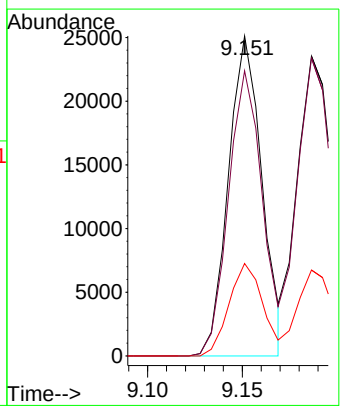
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

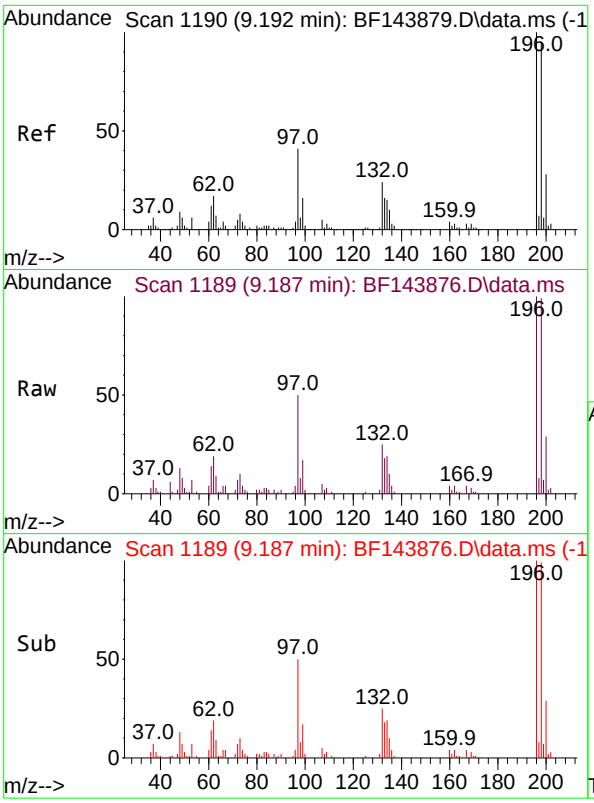


#43
2,4,6-Trichlorophenol
Concen: 5.047 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:196 Resp: 30908

Ion	Ratio	Lower	Upper
196	100		
198	89.1	72.8	109.2
200	28.9	24.0	36.0

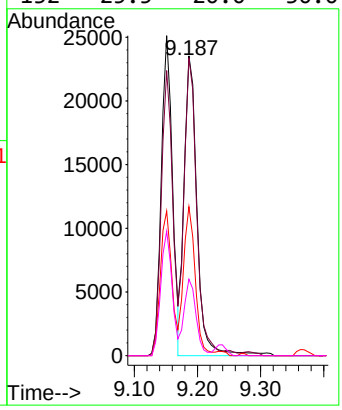




#44
2,4,5-Trichlorophenol
Concen: 5.194 ng
RT: 9.187 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:196 Resp: 3361

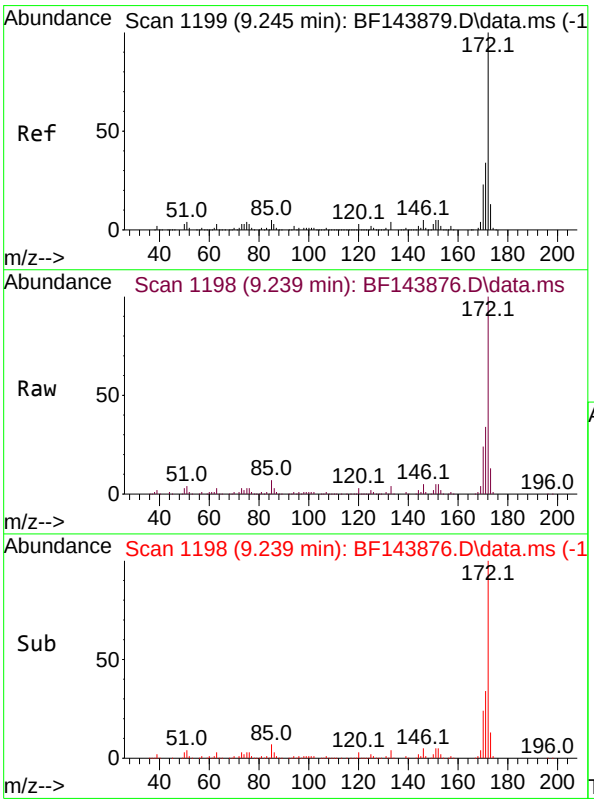
Ion	Ratio	Lower	Upper
196	100		
198	99.4	75.5	113.3
97	49.7	33.9	50.9
132	25.5	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

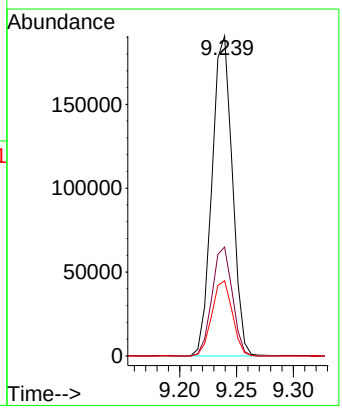
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

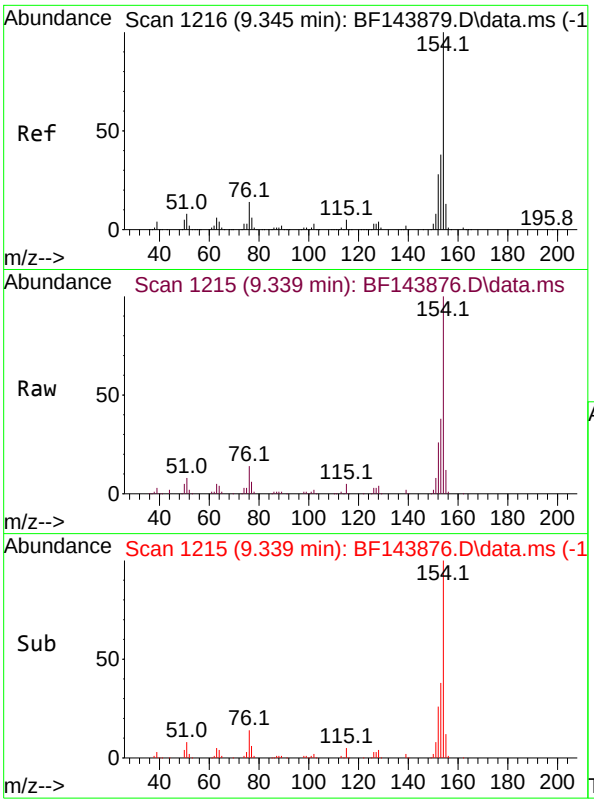


#45
2-Fluorobiphenyl
Concen: 12.438 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:172 Resp: 237689

Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.4	41.0
170	23.5	18.6	28.0

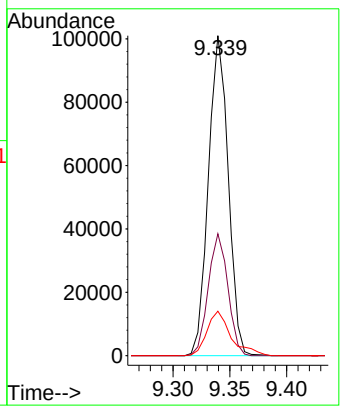




#46
1,1'-Biphenyl
Concen: 6.105 ng
RT: 9.339 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:154 Resp: 12256

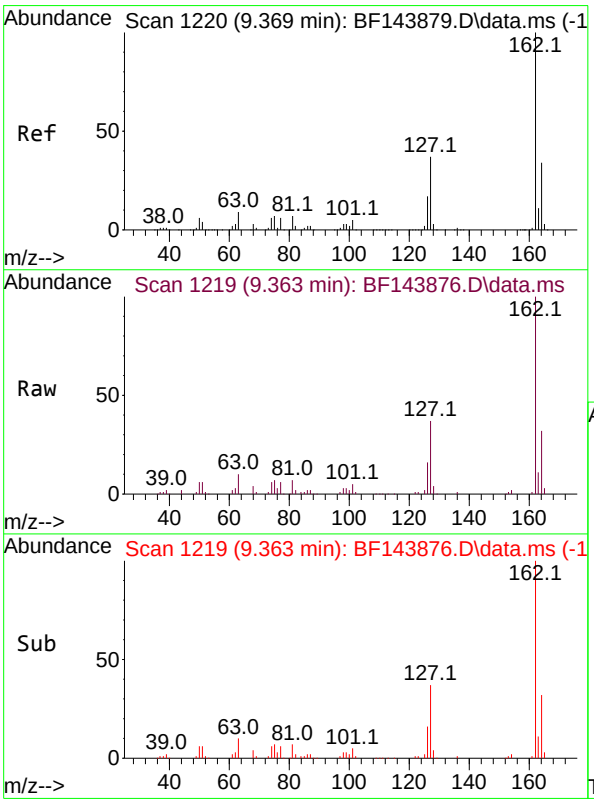
Ion	Ratio	Lower	Upper
154	100		
153	38.1	18.4	58.4
76	13.9	0.0	34.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

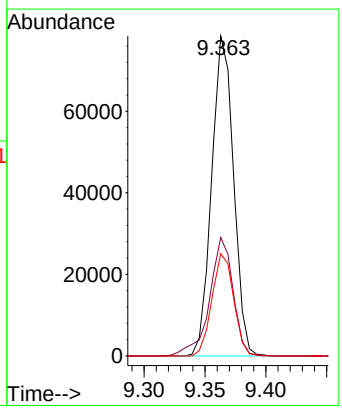
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

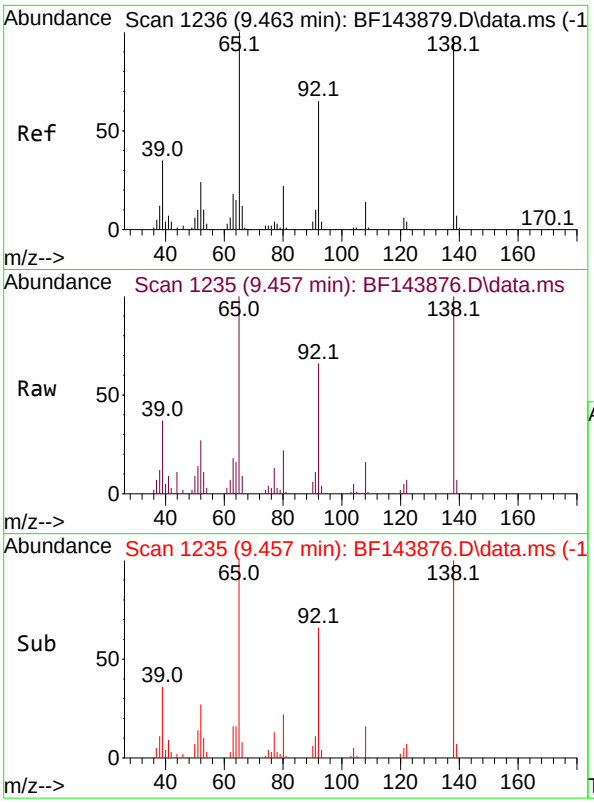


#47
2-Chloronaphthalene
Concen: 5.861 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:162 Resp: 98102

Ion	Ratio	Lower	Upper
162	100		
127	37.0	30.2	45.2
164	32.0	26.9	40.3

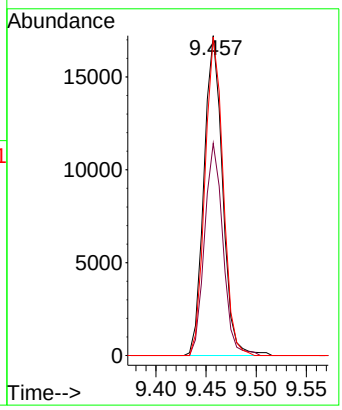




#48
2-Nitroaniline
Concen: 4.193 ng
RT: 9.457 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 65 Resp: 2218

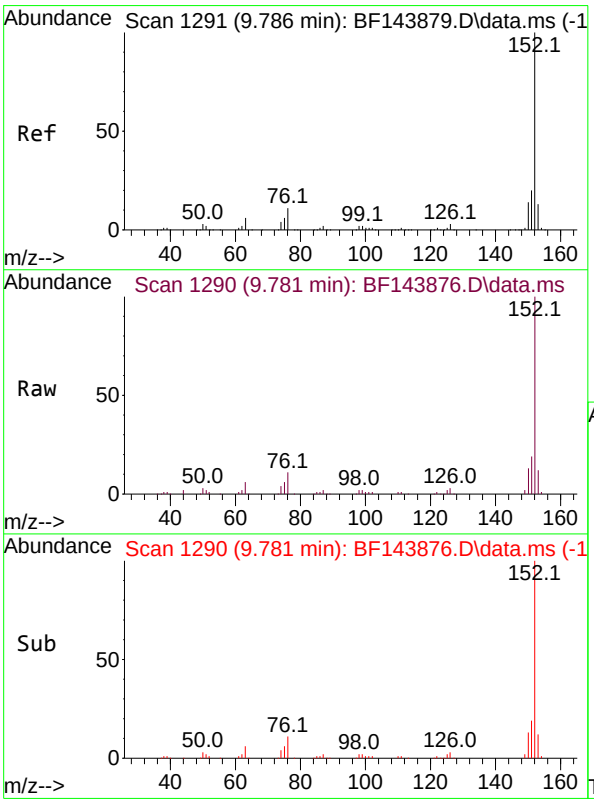
Ion	Ratio	Lower	Upper
65	100		
92	66.3	52.1	78.1
138	99.6	77.4	116.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

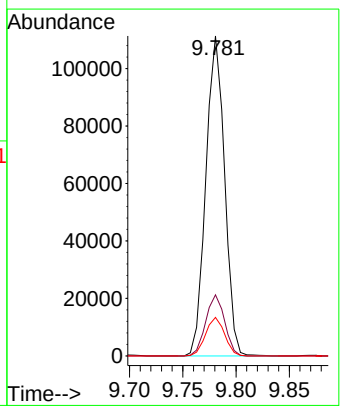
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

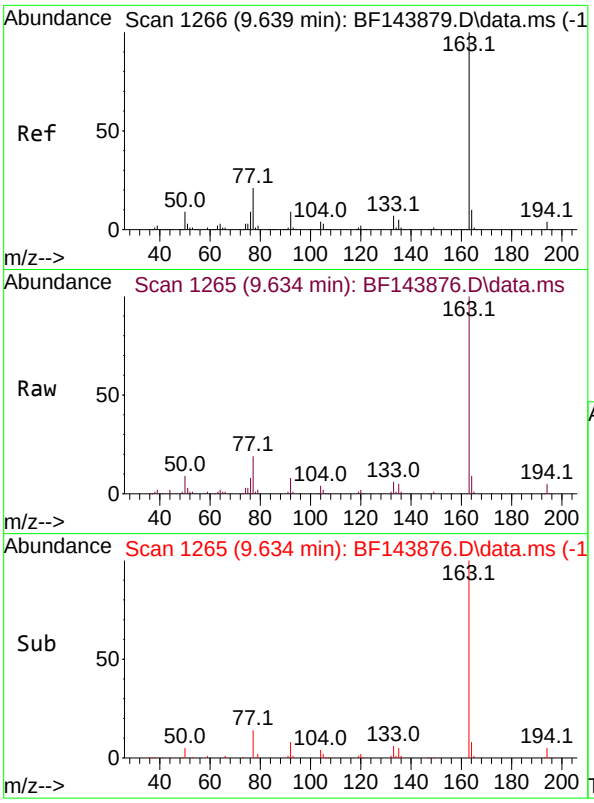


#49
Acenaphthylene
Concen: 5.788 ng
RT: 9.781 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:152 Resp: 136204

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.8	23.6
153	12.0	10.5	15.7

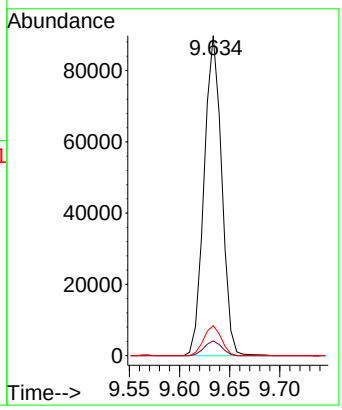




#50
Dimethylphthalate
Concen: 5.677 ng
RT: 9.634 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:163 Resp: 10932

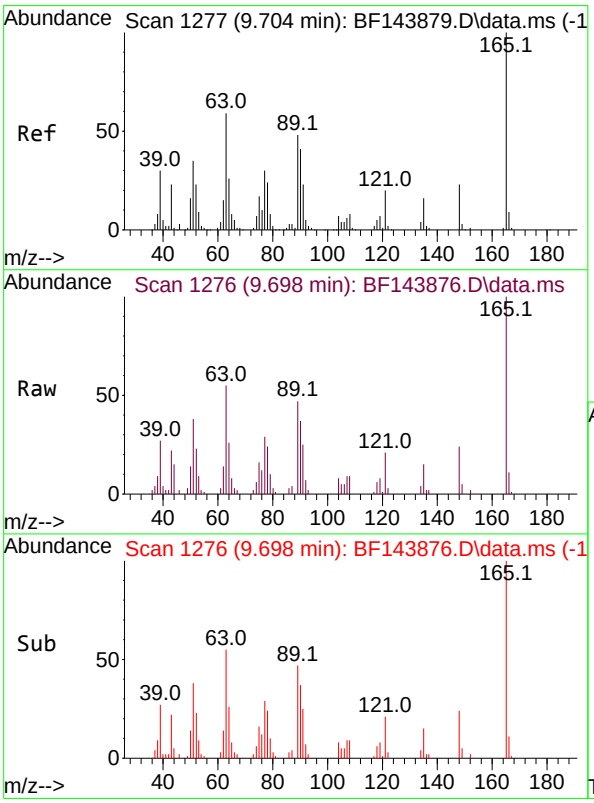
Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.3	4.9
164	9.4	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

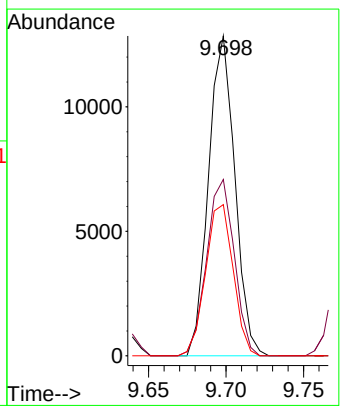
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

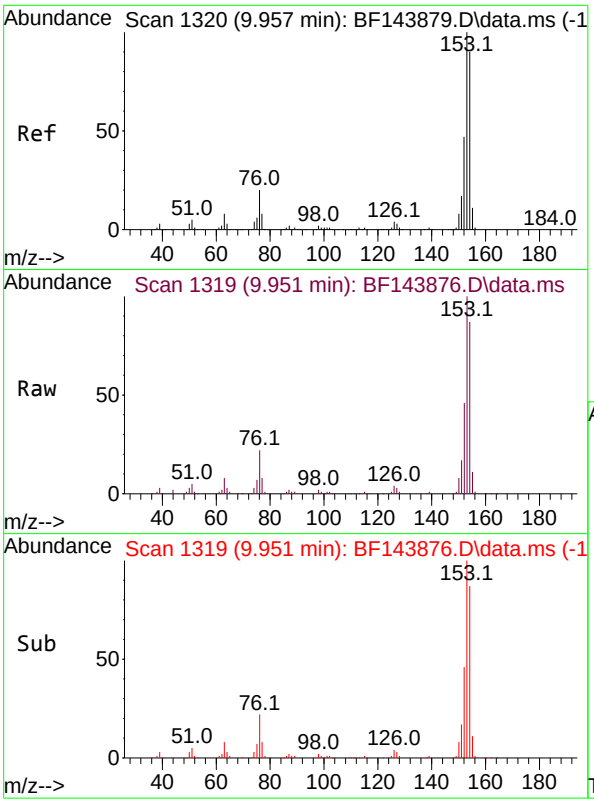


#51
2,6-Dinitrotoluene
Concen: 4.265 ng
RT: 9.698 min Scan# 1276
Delta R.T. -0.018 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:165 Resp: 15228

Ion	Ratio	Lower	Upper
165	100		
63	55.1	47.3	70.9
89	47.3	38.2	57.4

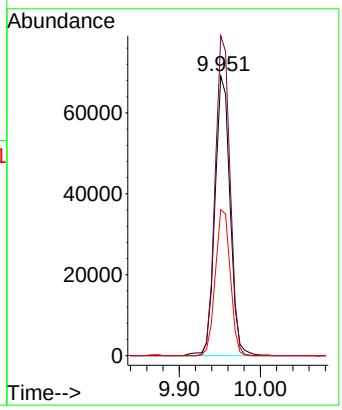




#52
Acenaphthene
Concen: 5.787 ng
RT: 9.951 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:154 Resp: 8924

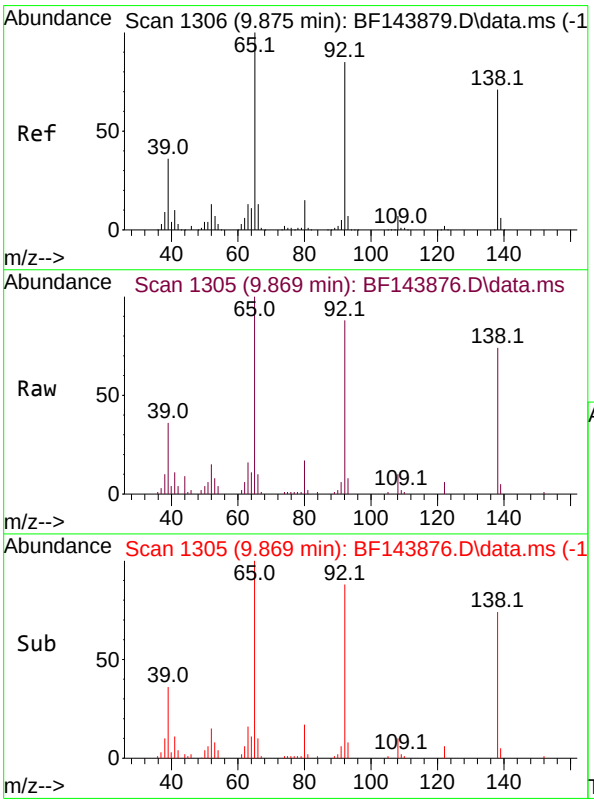
Ion	Ratio	Lower	Upper
154	100		
153	114.5	89.3	133.9
152	52.2	42.2	63.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

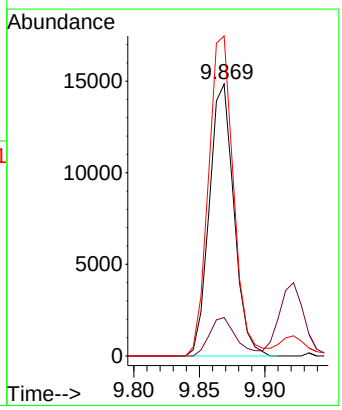
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

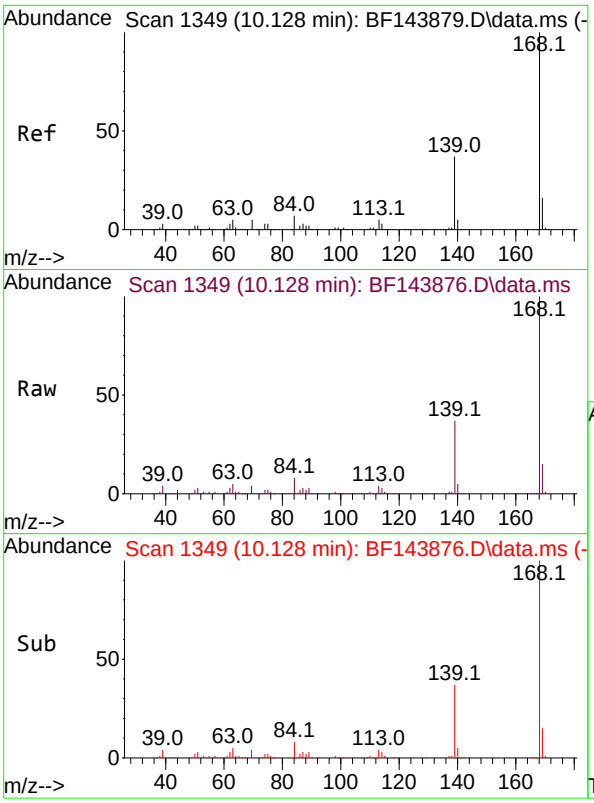


#53
3-Nitroaniline
Concen: 4.437 ng
RT: 9.869 min Scan# 1305
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:138 Resp: 19400

Ion	Ratio	Lower	Upper
138	100		
108	14.1	8.3	12.5#
92	117.8	96.2	144.2

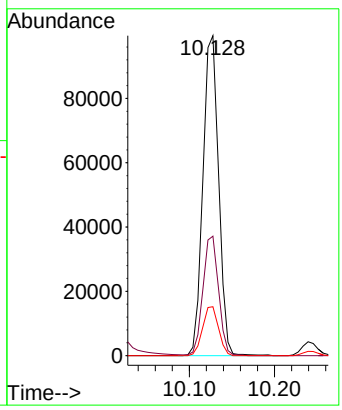




#55
Dibenzofuran
Concen: 5.852 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:168 Resp: 12737

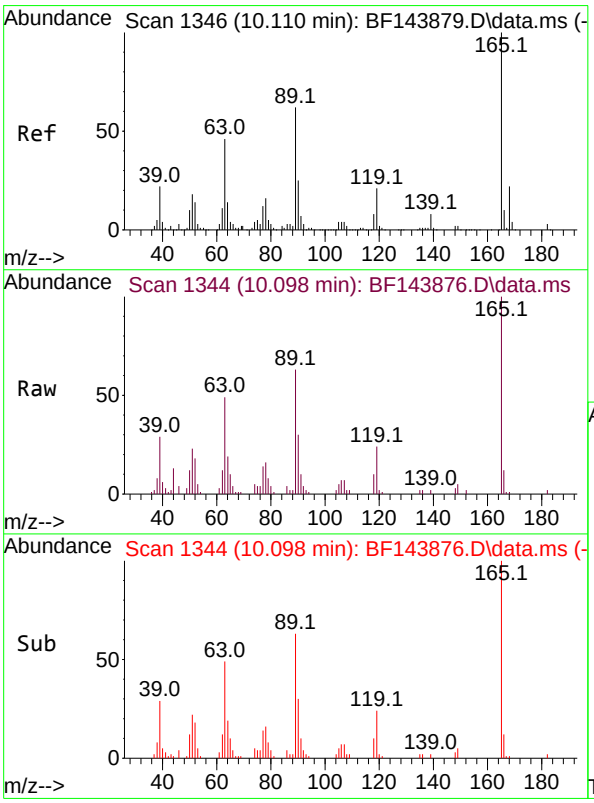
Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.8	44.8
169	15.3	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

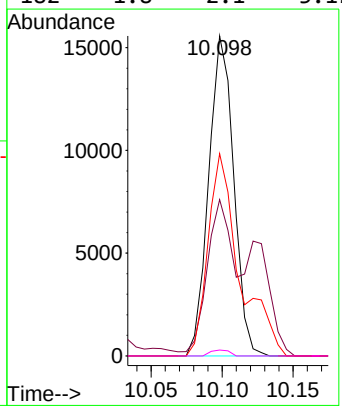
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

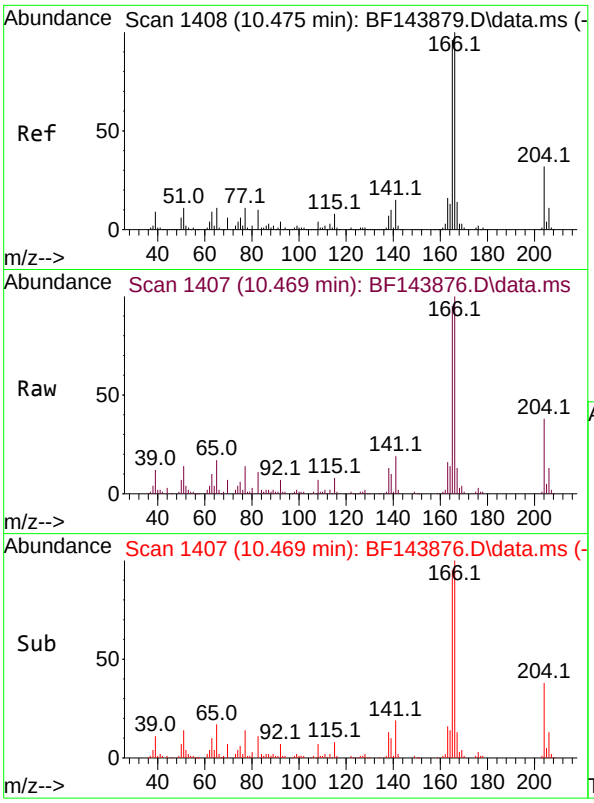


#57
2,4-Dinitrotoluene
Concen: 3.932 ng
RT: 10.098 min Scan# 1344
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:165 Resp: 19103

Ion	Ratio	Lower	Upper
165	100		
63	48.8	37.2	55.8
89	63.2	49.4	74.2
182	1.8	2.1	3.1#

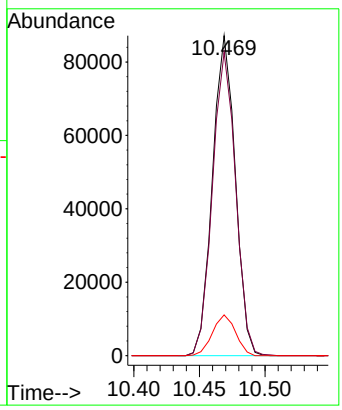




#58
Fluorene
Concen: 6.430 ng
RT: 10.469 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:166 Resp: 10560

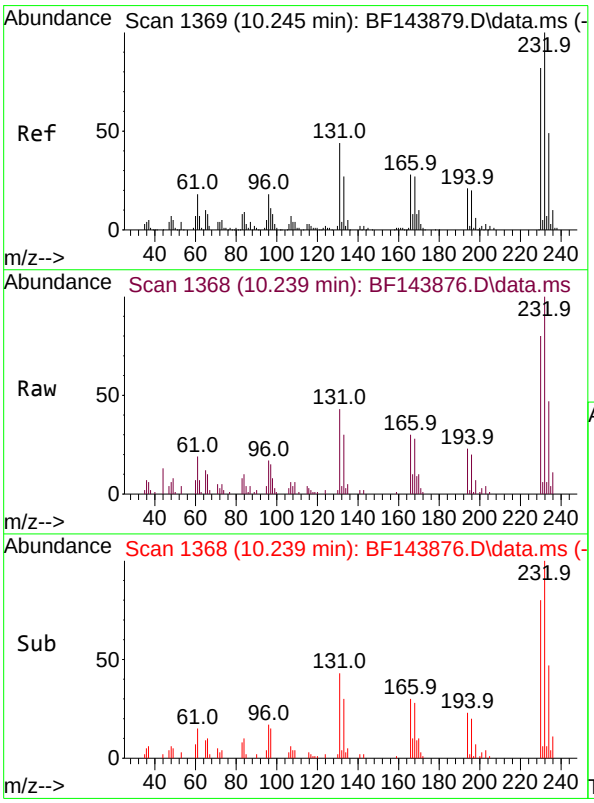
Ion	Ratio	Lower	Upper
166	100		
165	94.8	77.0	115.6
167	12.7	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

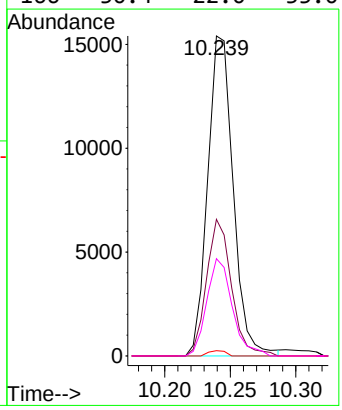
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

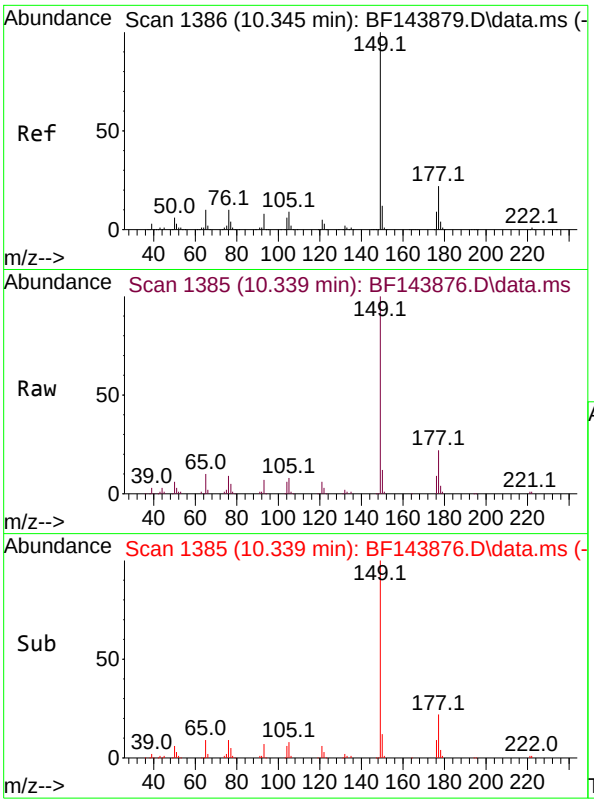


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.560 ng
RT: 10.239 min Scan# 1368
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:232 Resp: 20888

Ion	Ratio	Lower	Upper
232	100		
131	41.6	34.9	52.3
130	1.1	1.6	2.4#
166	30.4	22.0	33.0

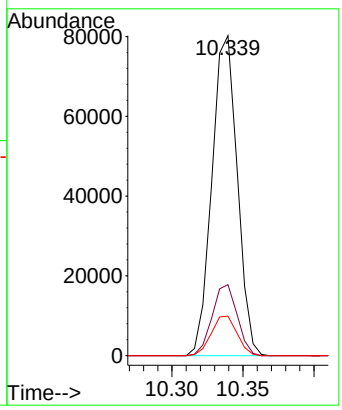




#60
Diethylphthalate
Concen: 5.590 ng
RT: 10.339 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:149 Resp: 10001

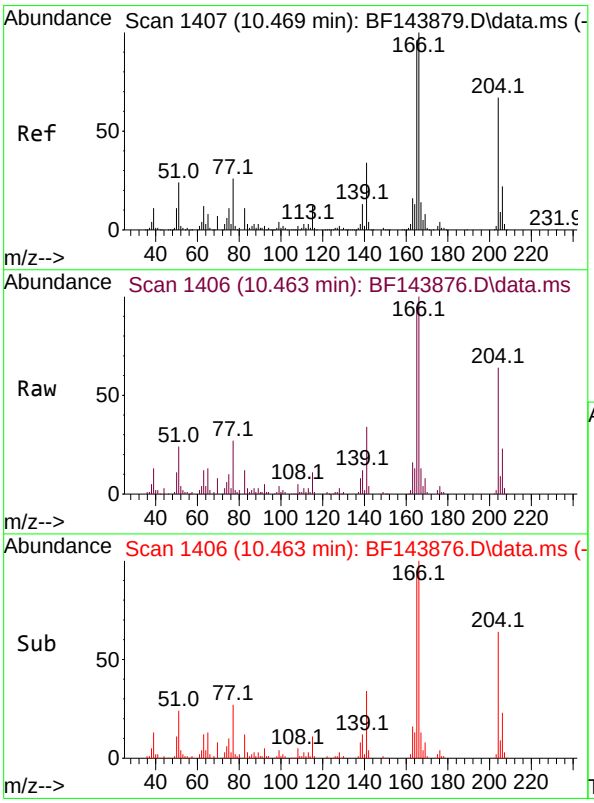
Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.9	26.9
150	12.3	9.8	14.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

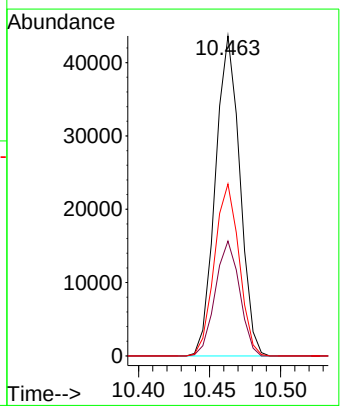
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

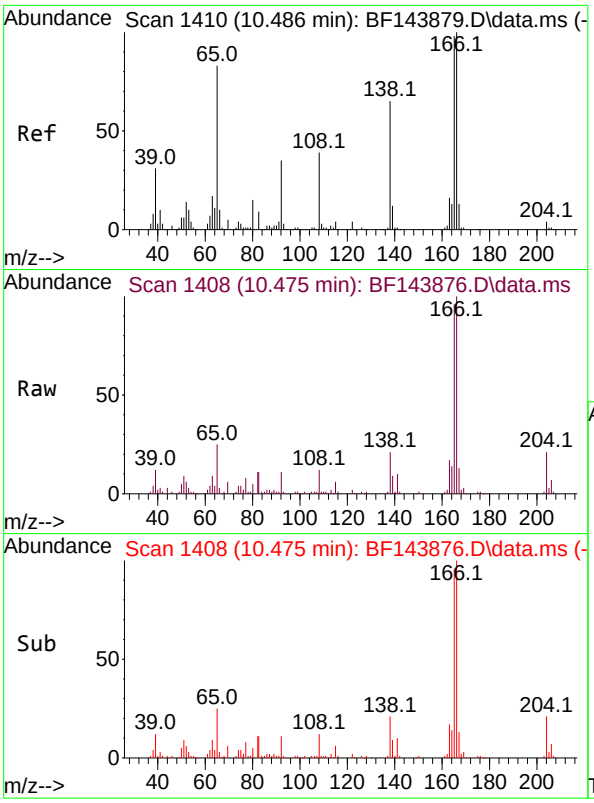


#61
4-Chlorophenyl-phenylether
Concen: 6.011 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:204 Resp: 52199

Ion	Ratio	Lower	Upper
204	100		
206	35.9	26.6	40.0
141	53.7	40.4	60.6

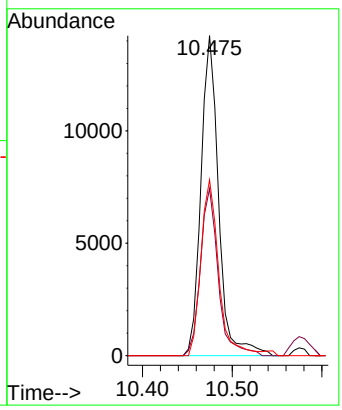




#62
4-Nitroaniline
Concen: 4.625 ng
RT: 10.475 min Scan# 14
Delta R.T. -0.035 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:138 Resp: 1944

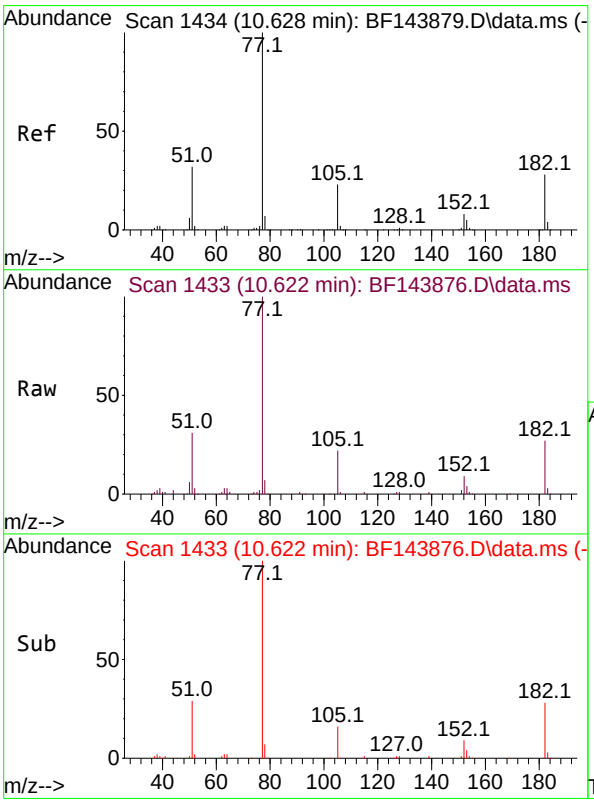
Ion	Ratio	Lower	Upper
138	100		
92	52.2	33.9	73.9
108	54.9	40.2	80.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

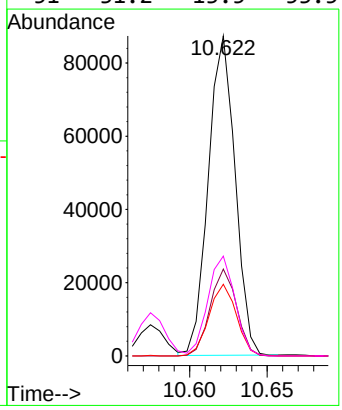
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

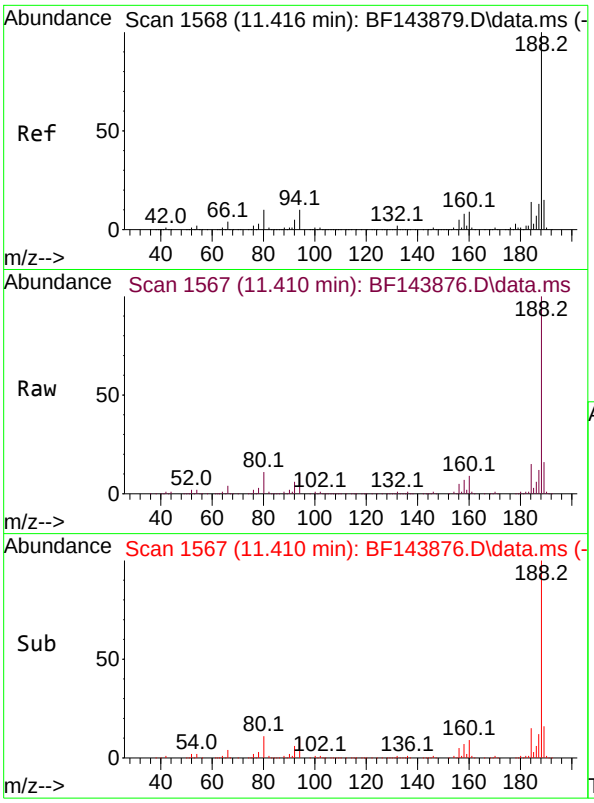


#63
Azobenzene
Concen: 5.625 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 77 Resp: 105174

Ion	Ratio	Lower	Upper
77	100		
182	27.1	7.3	47.3
105	22.4	3.0	43.0
51	31.2	13.5	53.5

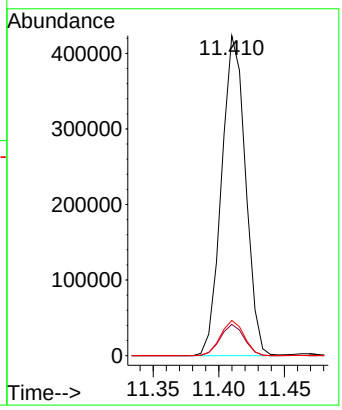




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:188 Resp: 538298

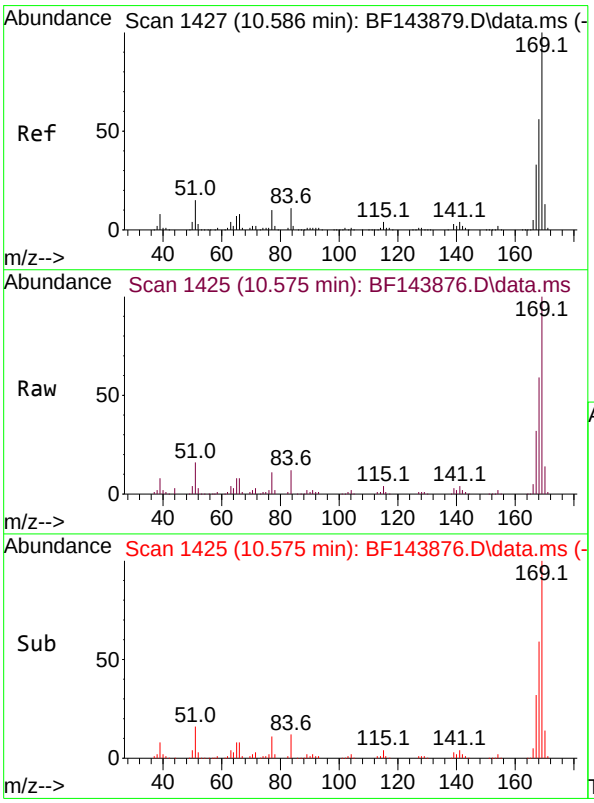
Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.8	11.6
80	11.0	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

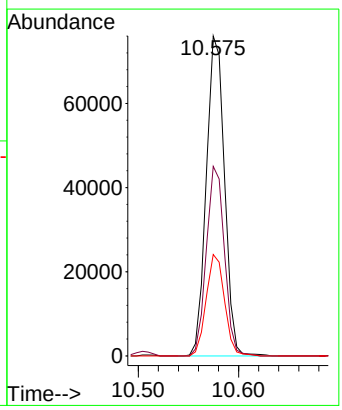
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

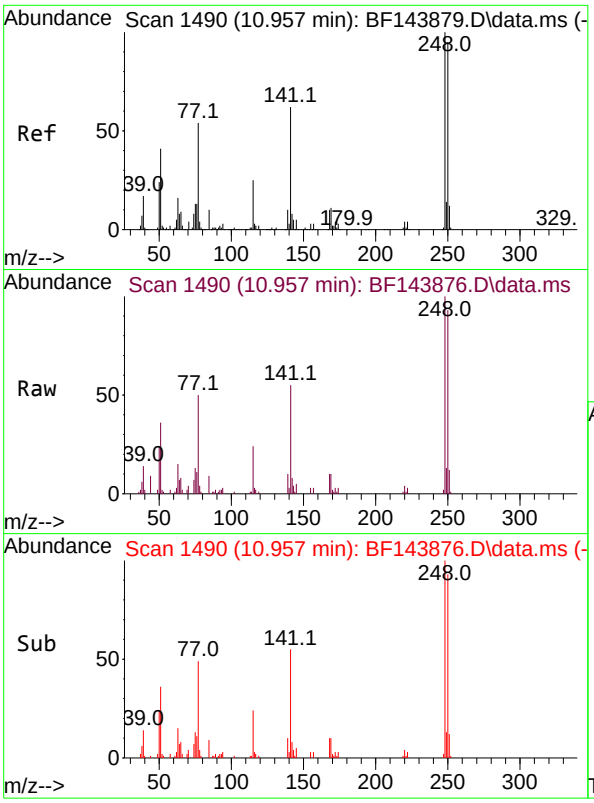


#66
n-Nitrosodiphenylamine
Concen: 5.671 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:169 Resp: 95847

Ion	Ratio	Lower	Upper
169	100		
168	59.2	44.9	67.3
167	31.7	26.3	39.5

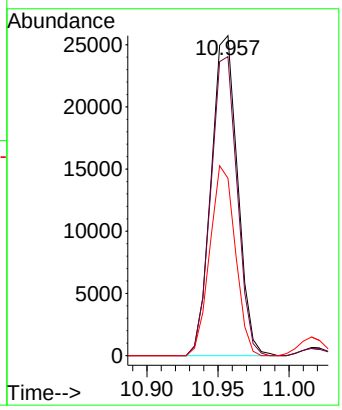




#67
4-Bromophenyl-phenylether
Concen: 5.587 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:248 Resp: 3323

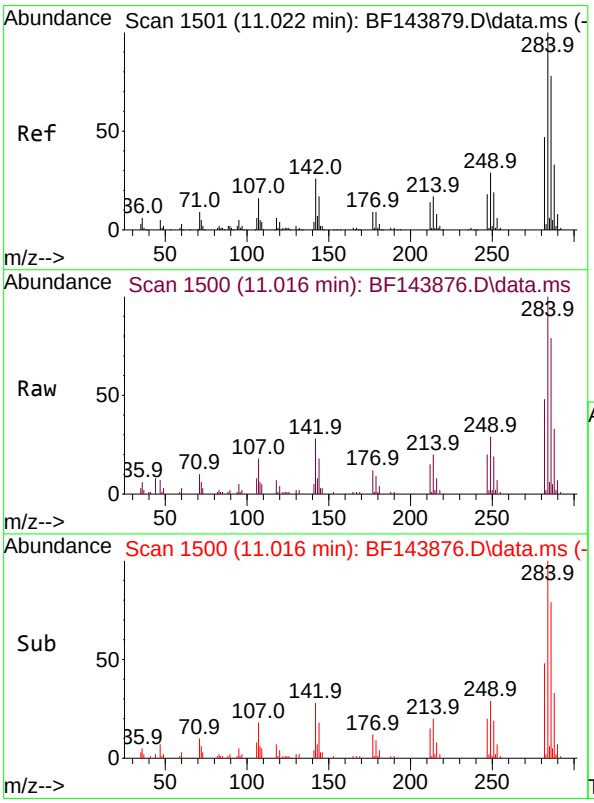
Ion	Ratio	Lower	Upper
248	100		
250	93.4	76.3	114.5
141	55.4	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

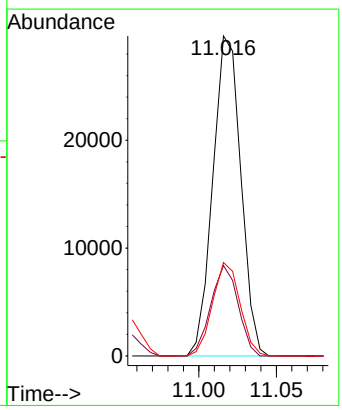
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

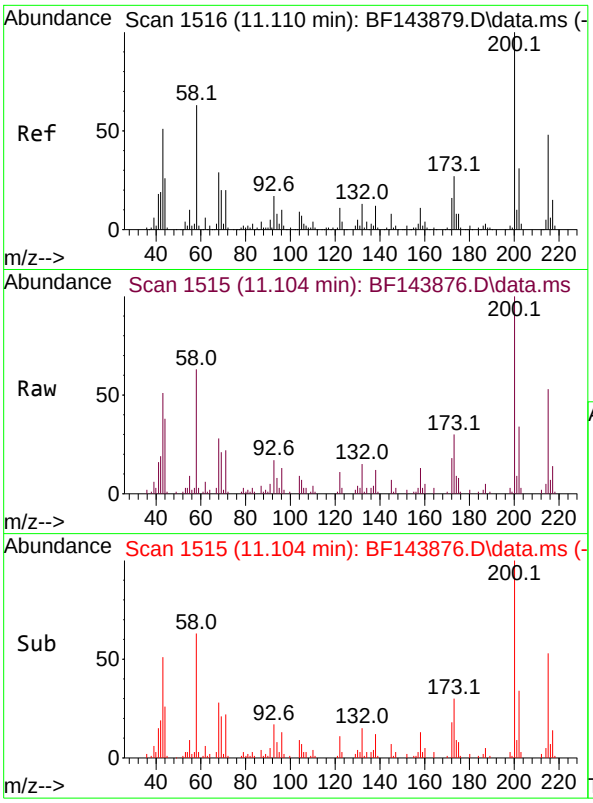


#68
Hexachlorobenzene
Concen: 5.406 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:284 Resp: 37233

Ion	Ratio	Lower	Upper
284	100		
142	28.2	20.6	30.8
249	29.2	23.2	34.8

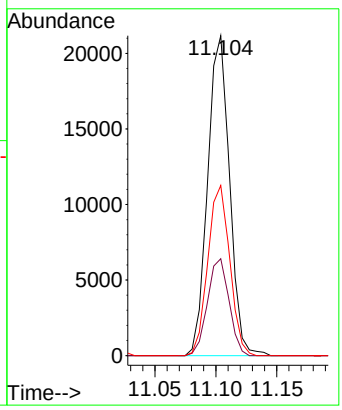




#69
Atrazine
Concen: 5.174 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:200 Resp: 2650

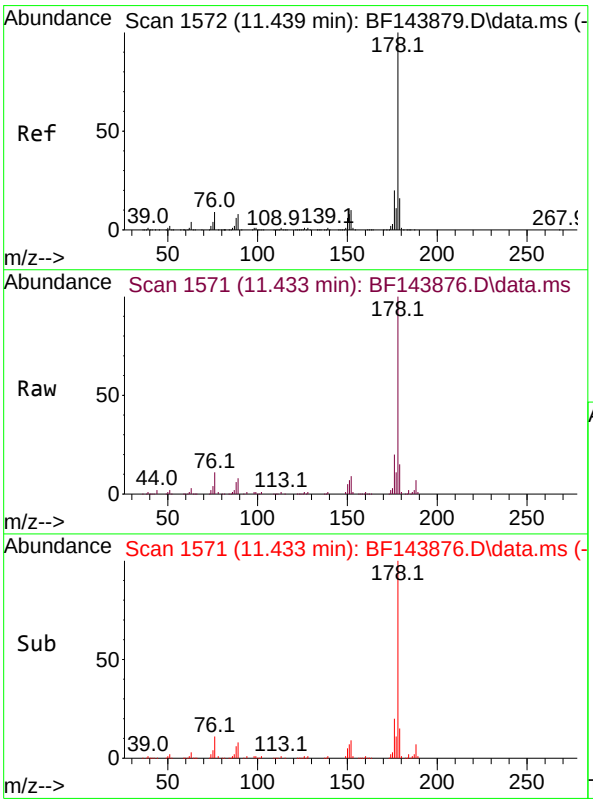
Ion	Ratio	Lower	Upper
200	100		
173	30.3	7.0	47.0
215	53.2	27.8	67.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

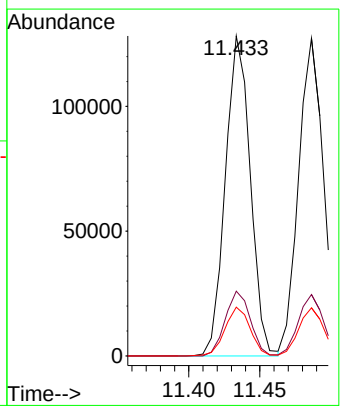
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

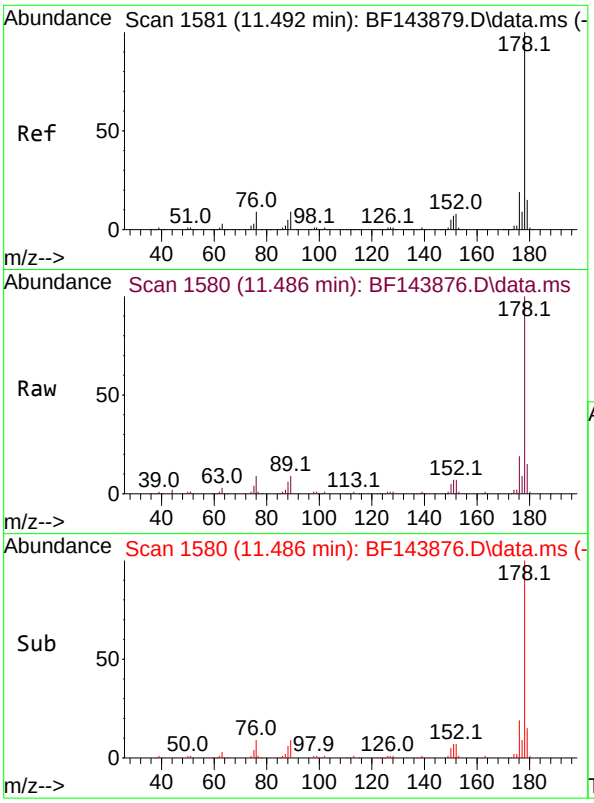


#71
Phenanthrene
Concen: 6.004 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:178 Resp: 156676

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.9	23.9
179	15.2	12.4	18.6

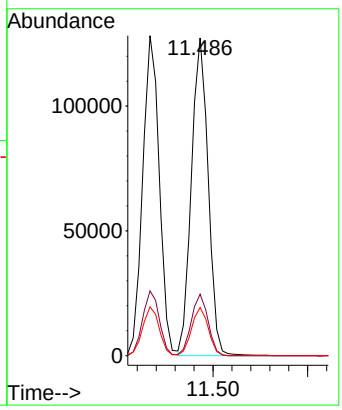




#72
Anthracene
Concen: 5.928 ng
RT: 11.486 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:178 Resp: 15628

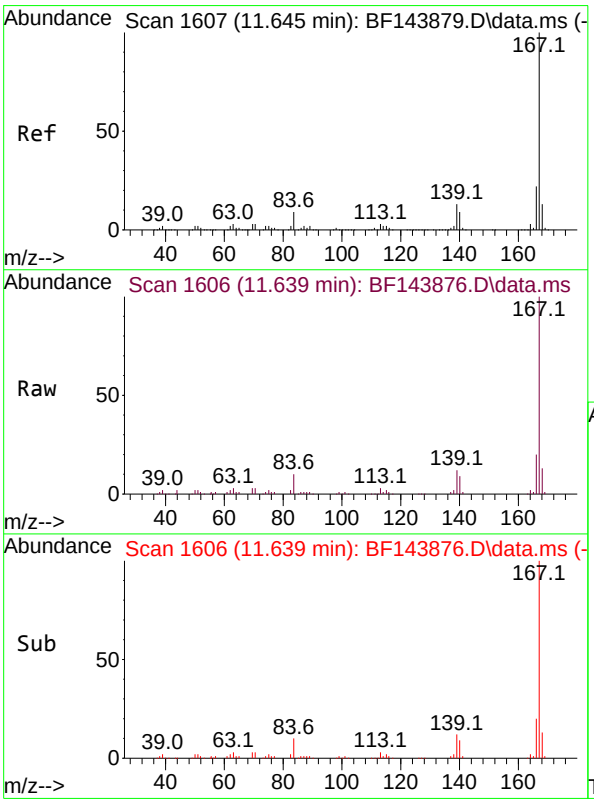
Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.9	22.3
179	15.1	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

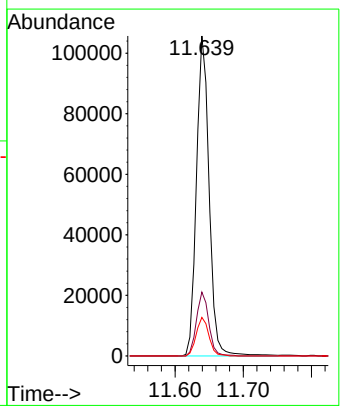
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

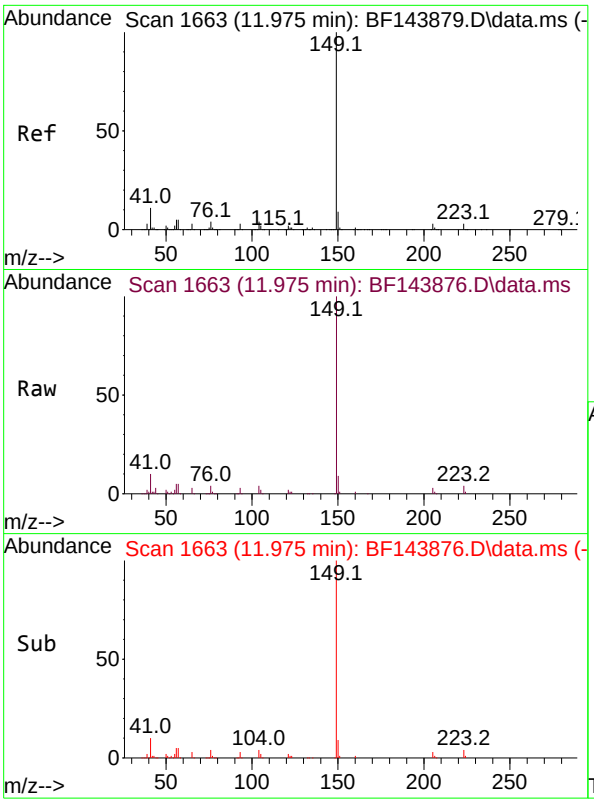


#73
Carbazole
Concen: 5.850 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:167 Resp: 136597

Ion	Ratio	Lower	Upper
167	100		
166	19.9	17.2	25.8
139	12.0	10.1	15.1

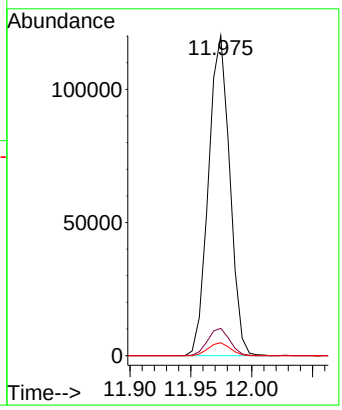




#74
Di-n-butylphthalate
Concen: 5.417 ng
RT: 11.975 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:149 Resp: 14659

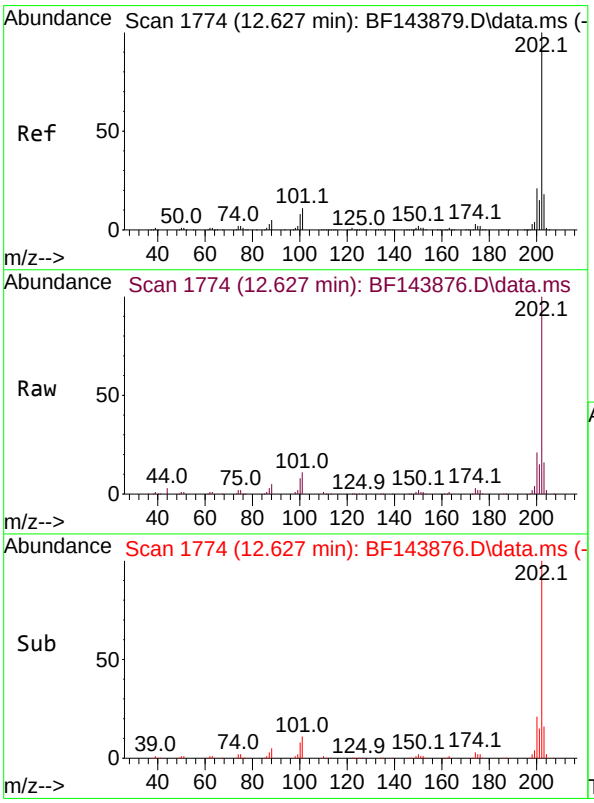
Ion	Ratio	Lower	Upper
149	100		
150	8.5	7.4	11.2
104	4.0	3.4	5.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

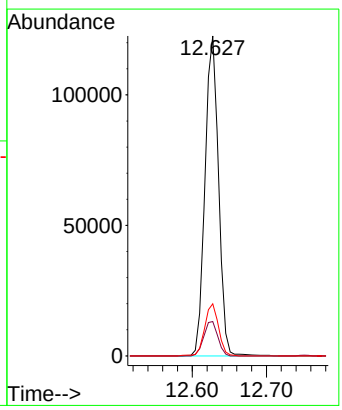
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

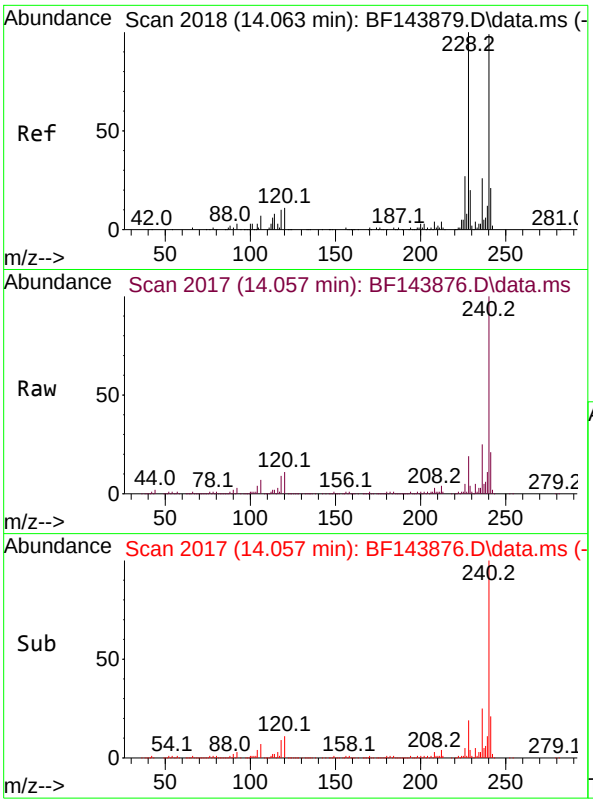


#75
Fluoranthene
Concen: 5.771 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:202 Resp: 155574

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	30.7
203	16.3	0.0	37.8

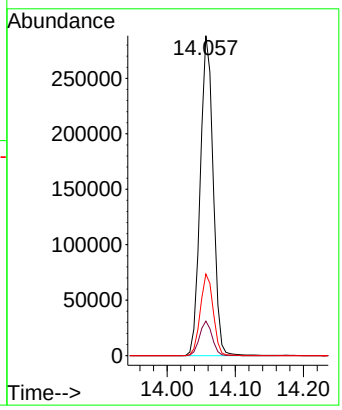




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2(
Delta R.T. -0.011 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:240 Resp: 37993

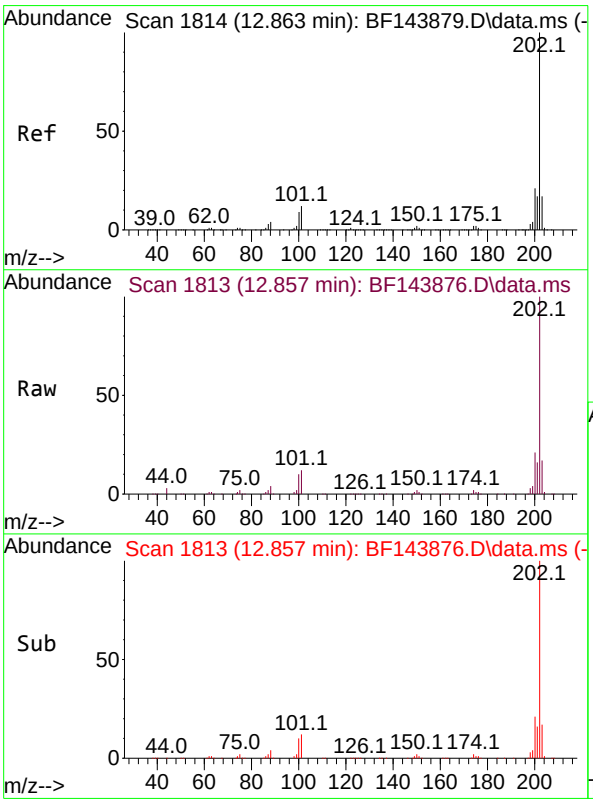
Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.6	13.0
236	25.5	21.1	31.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

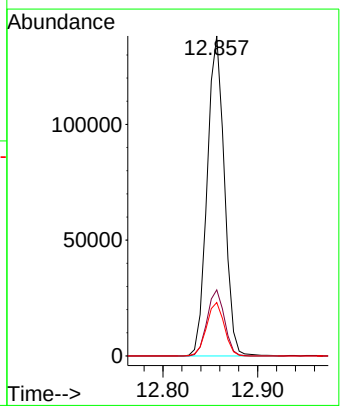
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

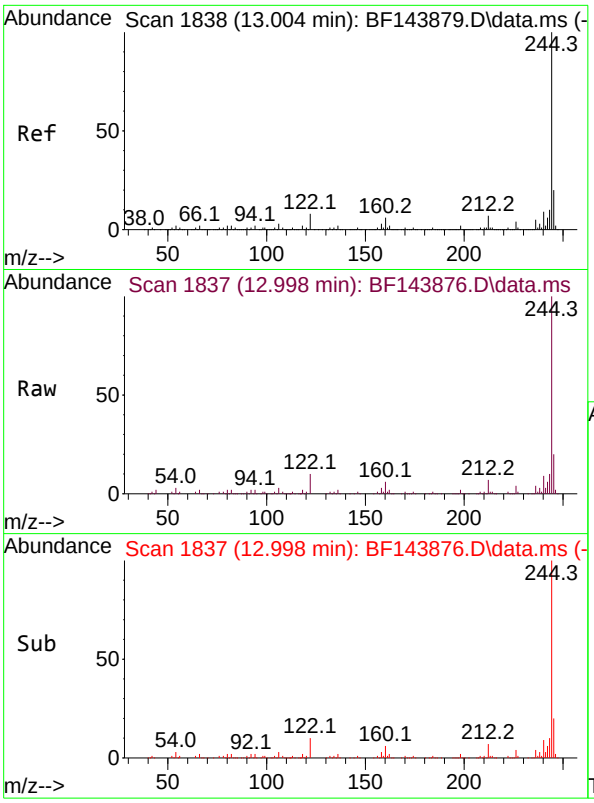


#78
Pyrene
Concen: 5.510 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:202 Resp: 174542

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.0	25.6
203	16.7	13.8	20.6

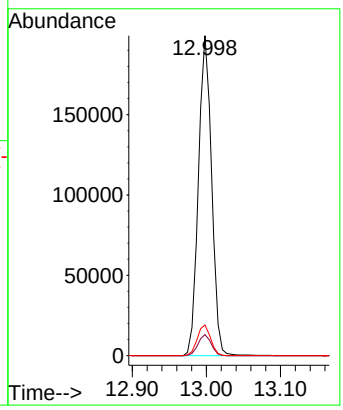




#79
Terphenyl-d14
Concen: 11.121 ng
RT: 12.998 min Scan# 18
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:244 Resp: 24722

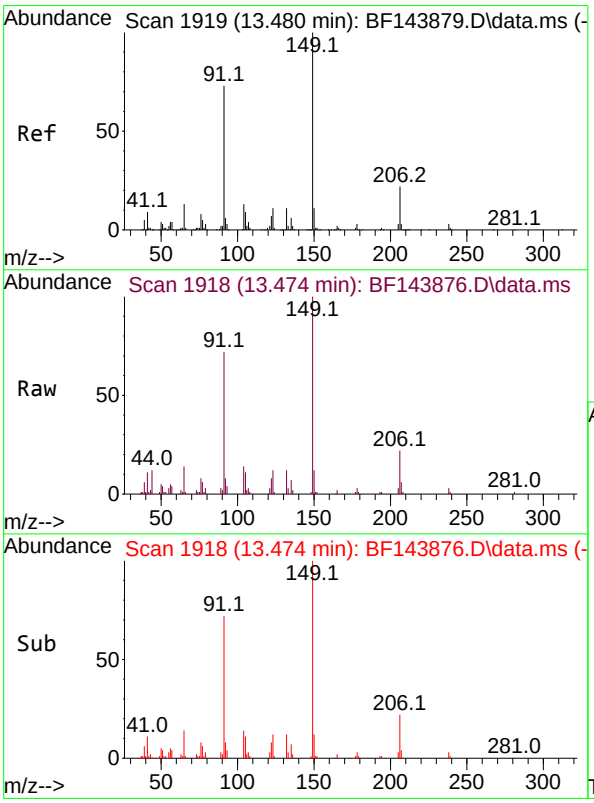
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	9.6	6.4	9.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

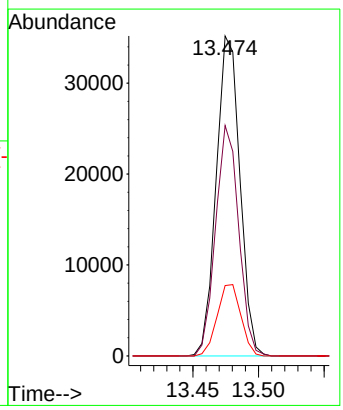
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

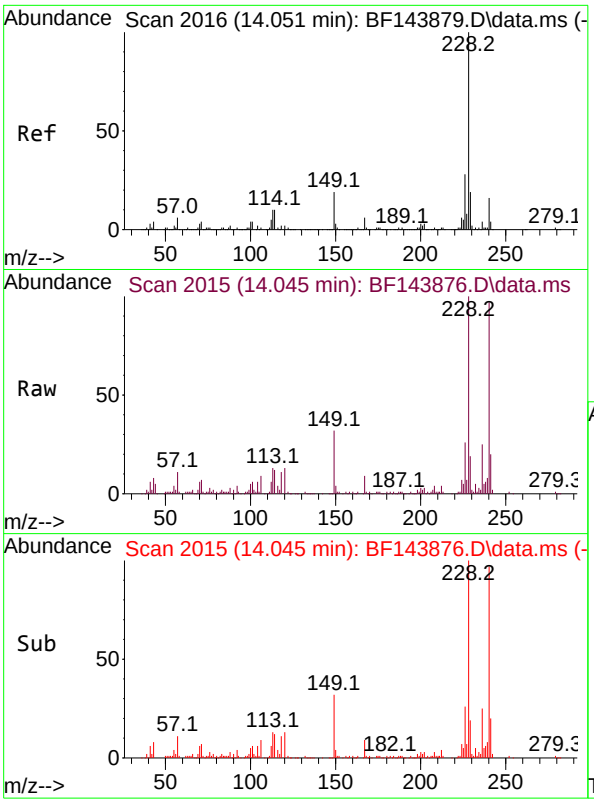


#80
Butylbenzylphthalate
Concen: 4.302 ng
RT: 13.474 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:149 Resp: 44252

Ion	Ratio	Lower	Upper
149	100		
91	72.0	58.2	87.2
206	22.0	17.9	26.9

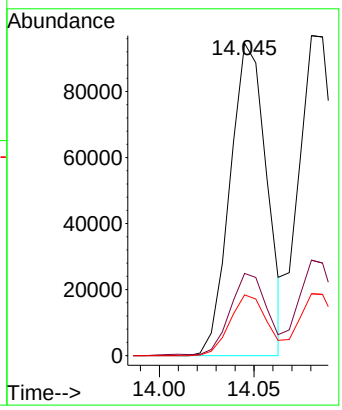




#81
Benzo(a)anthracene
Concen: 5.125 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:228 Resp: 12743

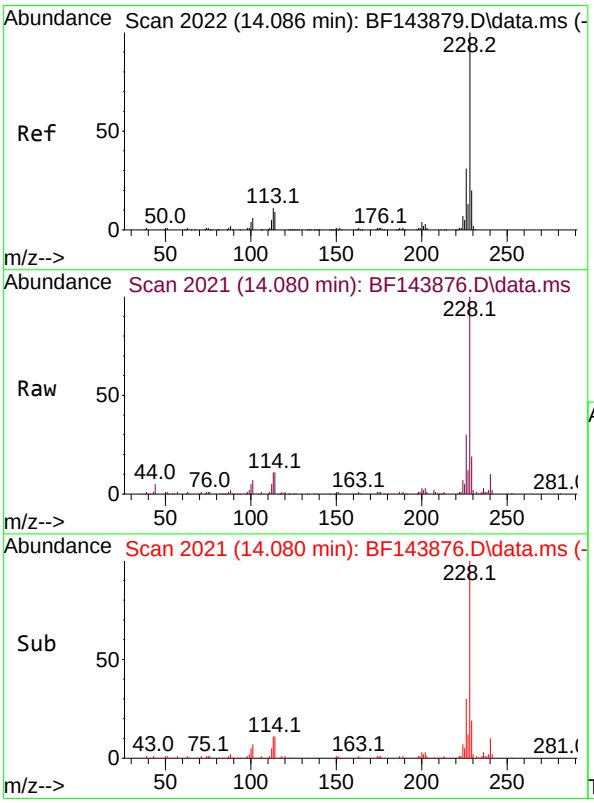
Ion	Ratio	Lower	Upper
228	100		
226	26.3	22.2	33.2
229	19.4	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

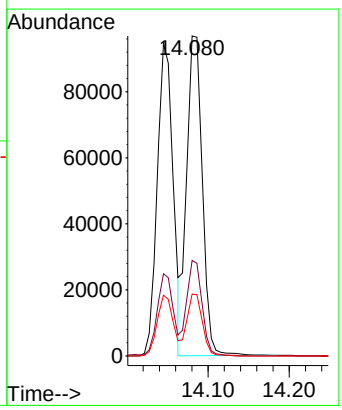
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

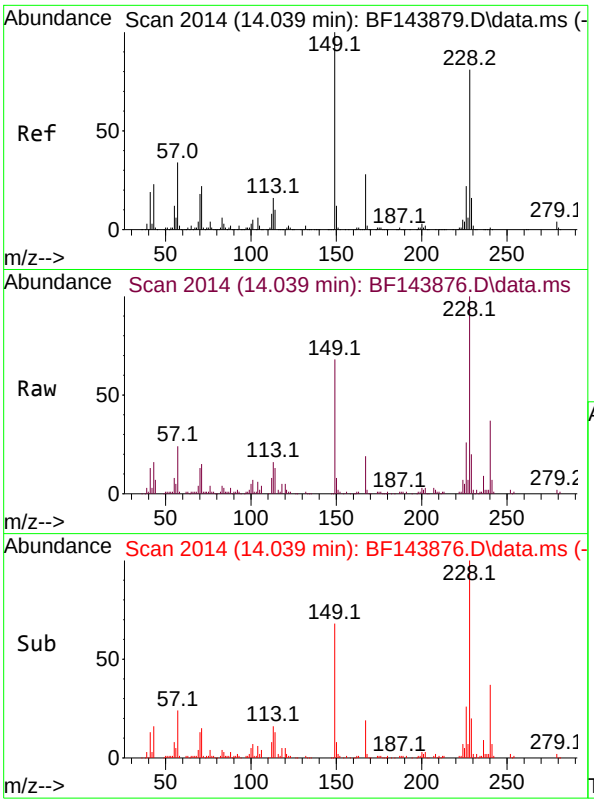


#83
Chrysene
Concen: 5.669 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:228 Resp: 130450

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.4	36.6
229	19.3	15.9	23.9

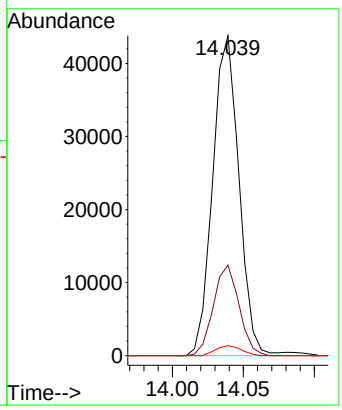




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.529 ng
RT: 14.039 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:149 Resp: 5616

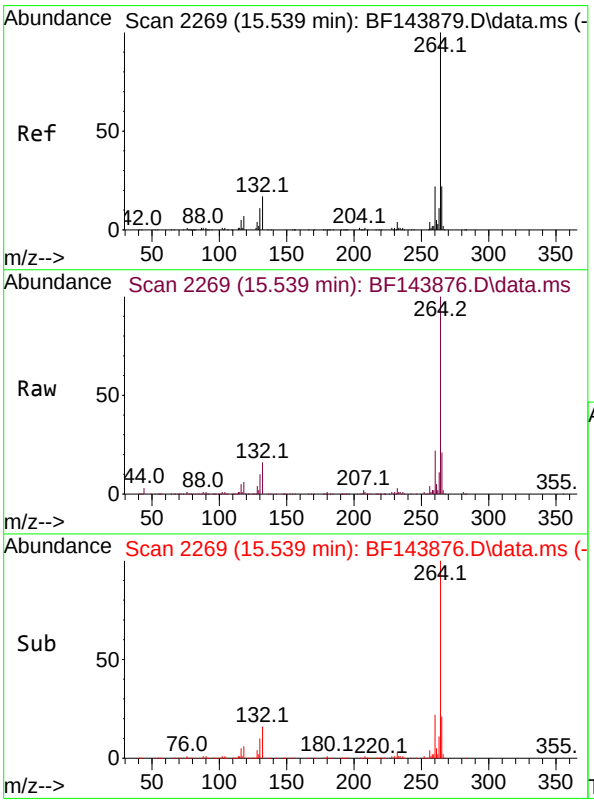
Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.2	33.4
279	3.1	3.1	4.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

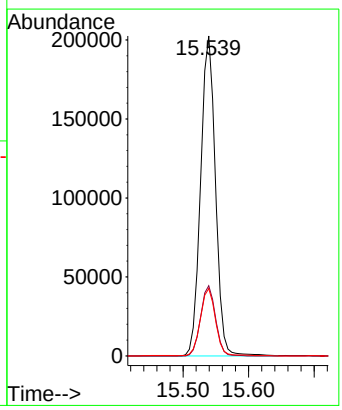
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

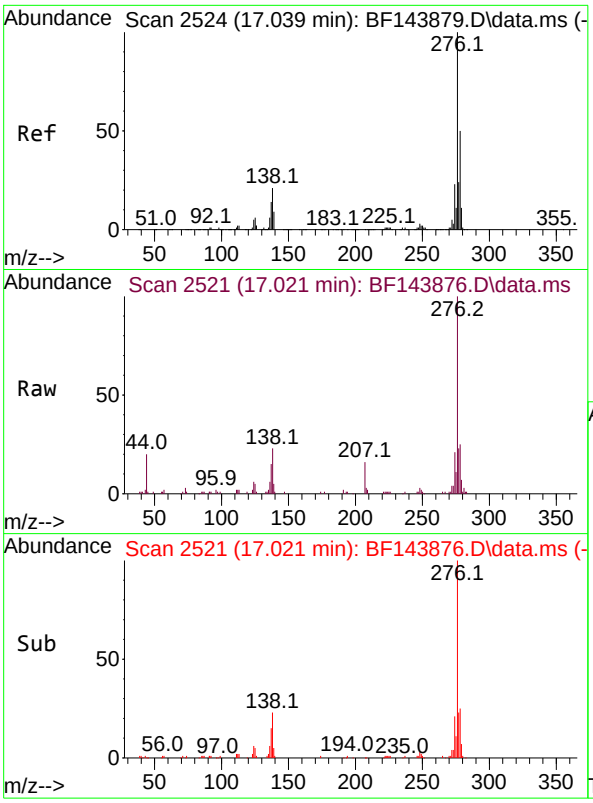


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:264 Resp: 317181

Ion	Ratio	Lower	Upper
264	100		
260	21.9	17.8	26.8
265	21.0	17.5	26.3

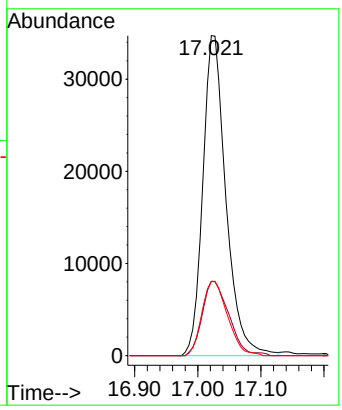




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.544 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:276 Resp: 8832

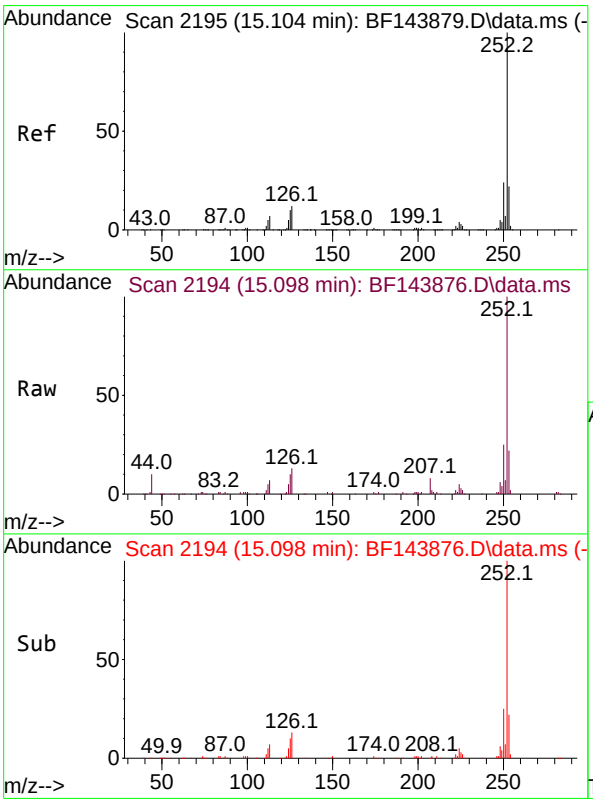
Ion	Ratio	Lower	Upper
276	100		
138	26.7	18.2	27.2
277	25.7	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

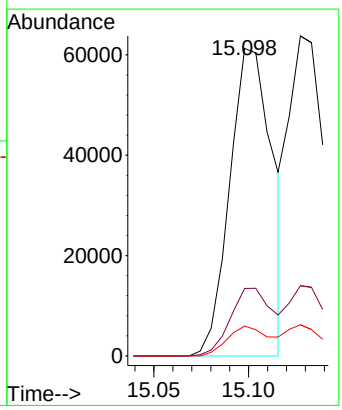
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

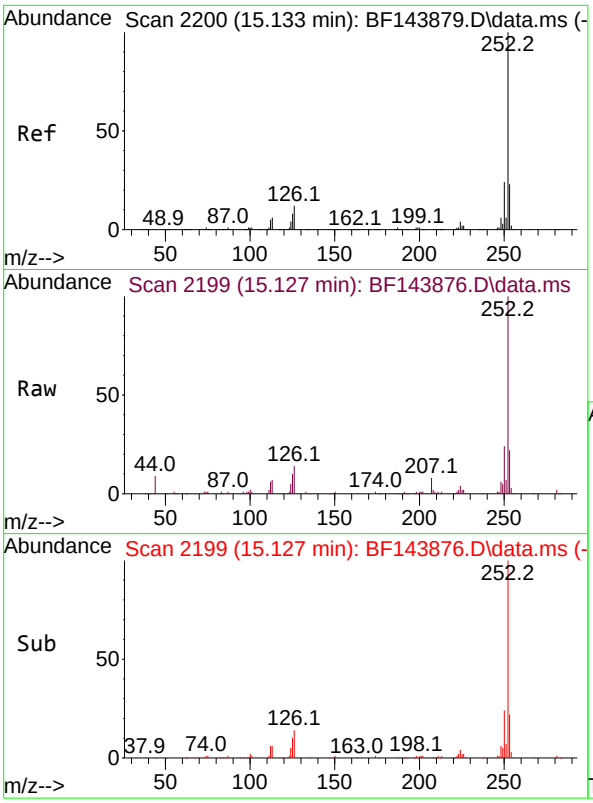


#88
Benzo(b)fluoranthene
Concen: 5.255 ng
RT: 15.098 min Scan# 2194
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:252 Resp: 95737

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	9.7	7.8	11.6

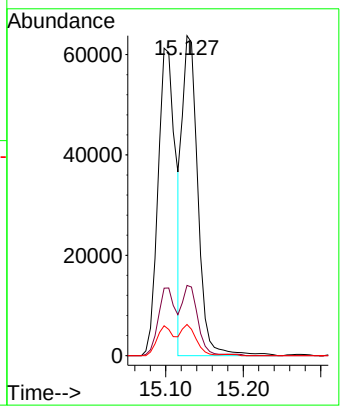




#89
Benzo(k)fluoranthene
Concen: 5.352 ng
RT: 15.127 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:252 Resp: 9022

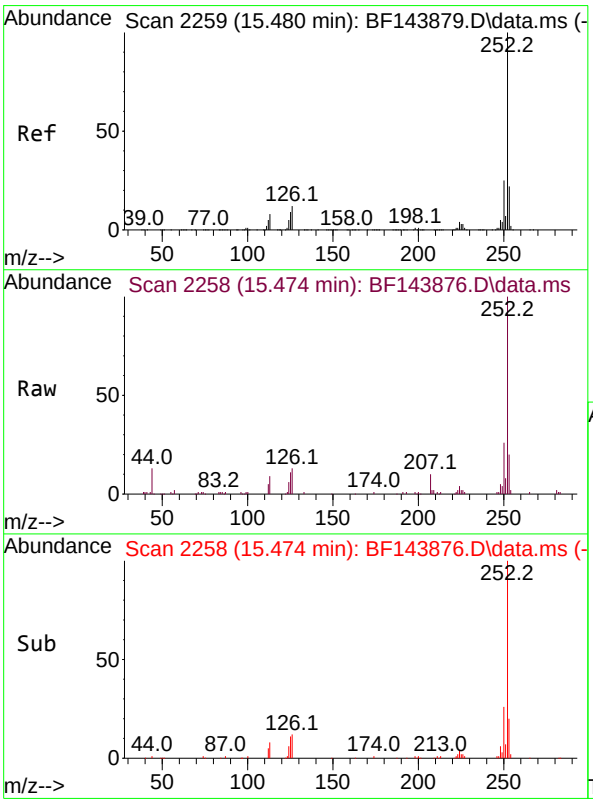
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	9.7	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

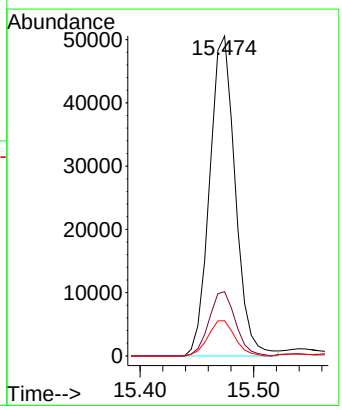
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

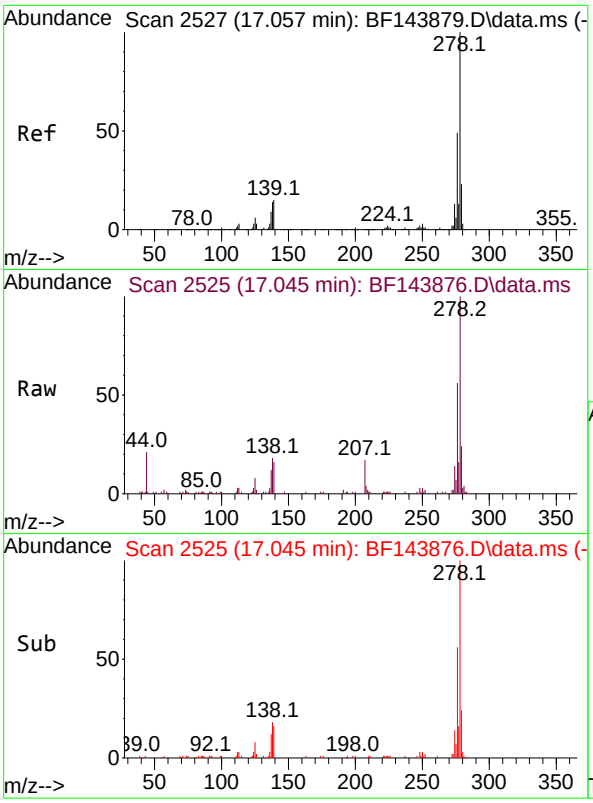


#90
Benzo(a)pyrene
Concen: 5.018 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:252 Resp: 79275

Ion	Ratio	Lower	Upper
252	100		
253	20.1	17.3	25.9
125	11.0	7.0	10.4#

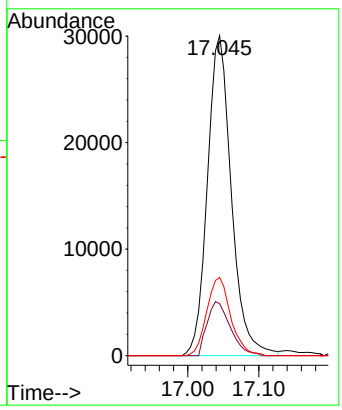




#91
Dibenzo(a,h)anthracene
Concen: 4.507 ng
RT: 17.045 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:278 Resp: 7045

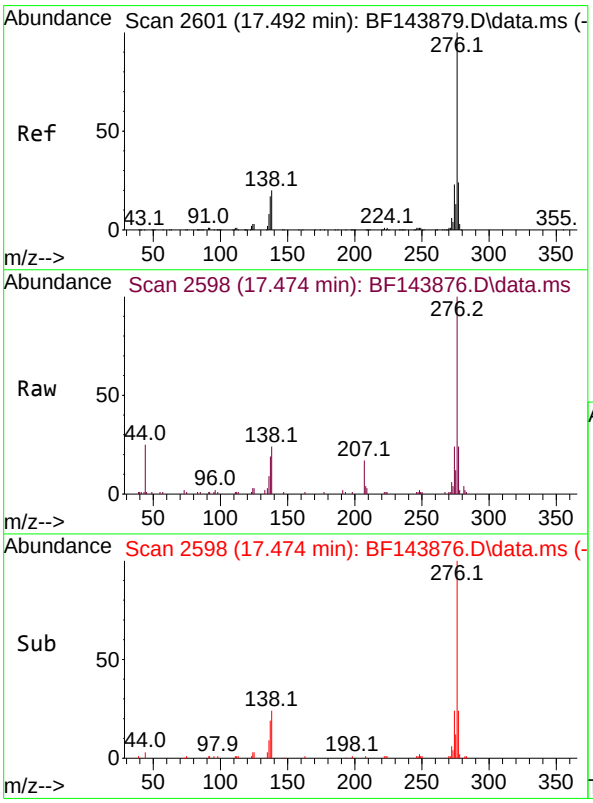
Ion	Ratio	Lower	Upper
278	100		
139	16.2	11.7	17.5
279	24.4	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

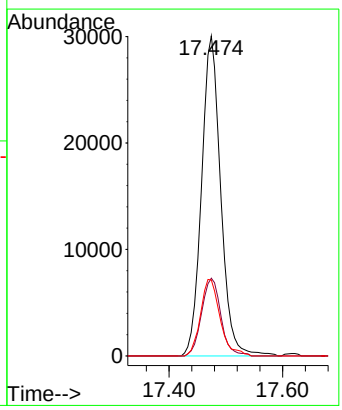
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#92
Benzo(g,h,i)perylene
Concen: 4.508 ng
RT: 17.474 min Scan# 2598
Delta R.T. -0.041 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:276 Resp: 70468

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.6
138	23.7	16.1	24.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143877.D
Acq On : 06 Oct 2025 10:57
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 15:38:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	126533	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	493548	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	283821	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	504357	20.000	ng	0.00
76) Chrysene-d12	14.057	240	366499	20.000	ng	-0.01
86) Perylene-d12	15.539	264	297391	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	170697	21.422	ng	-0.01
7) Phenol-d6	6.493	99	206358	21.727	ng	-0.02
23) Nitrobenzene-d5	7.440	82	164127	20.204	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	54453	19.262	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	404164	22.595	ng	-0.01
79) Terphenyl-d14	12.998	244	442968	20.657	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.622	88	37665	10.215	ng	96
3) Pyridine	3.399	79	105800	9.856	ng	99
4) n-Nitrosodimethylamine	3.322	42	49793	8.818	ng	99
6) Aniline	6.540	93	147222	10.344	ng	98
8) 2-Chlorophenol	6.663	128	77754	9.983	ng	97
9) Benzaldehyde	6.434	77	70546	9.629	ng	98
10) Phenol	6.510	94	114780m	10.109	ng	
11) bis(2-Chloroethyl)ether	6.610	93	92208	10.513	ng	98
12) 1,3-Dichlorobenzene	6.822	146	100630	10.793	ng	96
13) 1,4-Dichlorobenzene	6.898	146	101588	11.046	ng	97
14) 1,2-Dichlorobenzene	7.051	146	95345	10.824	ng	98
15) Benzyl Alcohol	7.016	79	70756	9.943	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	214183	10.728	ng	99
17) 2-Methylphenol	7.122	107	66872	10.389	ng	96
18) Hexachloroethane	7.398	117	32160	10.486	ng	95
19) n-Nitroso-di-n-propyla...	7.287	70	71731	11.034	ng	94
20) 3+4-Methylphenols	7.275	107	88634	11.881	ng	95
22) Acetophenone	7.287	105	113751	10.900	ng	96
24) Nitrobenzene	7.457	77	86228	9.558	ng	96
25) Isophorone	7.698	82	174767	10.203	ng	98
26) 2-Nitrophenol	7.781	139	32787	8.477	ng	95
27) 2,4-Dimethylphenol	7.810	122	70960	10.199	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	116898	10.804	ng	95
29) 2,4-Dichlorophenol	8.016	162	72141	9.954	ng	97
30) 1,2,4-Trichlorobenzene	8.104	180	73668	10.336	ng	98
31) Naphthalene	8.187	128	245857	10.951	ng	99
32) Benzoic acid	7.869	122	32361m	6.721	ng	
33) 4-Chloroaniline	8.234	127	91294	10.842	ng	95
34) Hexachlorobutadiene	8.304	225	52824	10.665	ng	98
35) Caprolactam	8.569	113	22813	9.900	ng	95
36) 4-Chloro-3-methylphenol	8.704	107	74546	10.708	ng	96
37) 2-Methylnaphthalene	8.875	142	168581	11.272	ng	98
38) 1-Methylnaphthalene	8.975	142	161895	11.160	ng	96
40) 1,2,4,5-Tetrachloroben...	9.039	216	83972	10.705	ng	97
41) Hexachlorocyclopentadiene	9.034	237	25812	7.932	ng	95
43) 2,4,6-Trichlorophenol	9.151	196	55929	9.758	ng	93

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143877.D
Acq On : 06 Oct 2025 10:57
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 06 15:38:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	63036	10.407	ng		98
46) 1,1'-Biphenyl	9.339	154	209528	11.150	ng		99
47) 2-Chloronaphthalene	9.363	162	169672	10.829	ng		96
48) 2-Nitroaniline	9.457	65	45663	9.219	ng		96
49) Acenaphthylene	9.781	152	241454	10.962	ng		98
50) Dimethylphthalate	9.633	163	191729	10.638	ng		99
51) 2,6-Dinitrotoluene	9.698	165	28928	8.655	ng		95
52) Acenaphthene	9.957	154	158214	10.962	ng		99
53) 3-Nitroaniline	9.869	138	38386	9.380	ng		99
54) 2,4-Dinitrophenol	9.975	184	8624	10.761	ng	#	60
55) Dibenzofuran	10.128	168	228160	11.199	ng		97
56) 4-Nitrophenol	10.016	139	24585	7.934	ng		89
57) 2,4-Dinitrotoluene	10.098	165	40299	8.862	ng		95
58) Fluorene	10.469	166	179607	11.683	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.245	232	43052	10.041	ng	#	95
60) Diethylphthalate	10.339	149	181846	10.860	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	94000	11.565	ng		98
62) 4-Nitroaniline	10.475	138	36684	9.322	ng		95
63) Azobenzene	10.622	77	188888	10.794	ng		98
65) 4,6-Dinitro-2-methylph...	10.510	198	16274	6.421	ng		96
66) n-Nitrosodiphenylamine	10.580	169	172118	10.869	ng		97
67) 4-Bromophenyl-phenylether	10.957	248	58980	10.581	ng		96
68) Hexachlorobenzene	11.022	284	67494	10.459	ng		98
69) Atrazine	11.104	200	52016	10.837	ng		98
70) Pentachlorophenol	11.216	266	29608	7.989	ng		96
71) Phenanthrene	11.433	178	275484	11.267	ng		99
72) Anthracene	11.486	178	276694	11.201	ng		99
73) Carbazole	11.639	167	242534	11.086	ng		99
74) Di-n-butylphthalate	11.975	149	275838	10.879	ng		99
75) Fluoranthene	12.627	202	290713	11.510	ng		99
77) Benzidine	12.751	184	128424	10.092	ng		98
78) Pyrene	12.857	202	304789	9.975	ng		99
80) Butylbenzylphthalate	13.480	149	92241	9.296	ng		97
81) Benzo(a)anthracene	14.051	228	246871	10.293	ng		100
82) 3,3'-Dichlorobenzidine	14.010	252	66722	9.129	ng	#	99
83) Chrysene	14.086	228	217741	9.809	ng		99
84) Bis(2-ethylhexyl)phtha...	14.039	149	113431	9.483	ng		97
85) Di-n-octyl phthalate	14.657	149	153434	7.810	ng		97
87) Indeno(1,2,3-cd)pyrene	17.027	276	164200	9.011	ng		96
88) Benzo(b)fluoranthene	15.104	252	169146	9.901	ng		99
89) Benzo(k)fluoranthene	15.133	252	174390	11.032	ng		98
90) Benzo(a)pyrene	15.474	252	149543	10.096	ng		100
91) Dibenzo(a,h)anthracene	17.045	278	135992	9.279	ng		97
92) Benzo(g,h,i)perylene	17.474	276	132076	9.012	ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

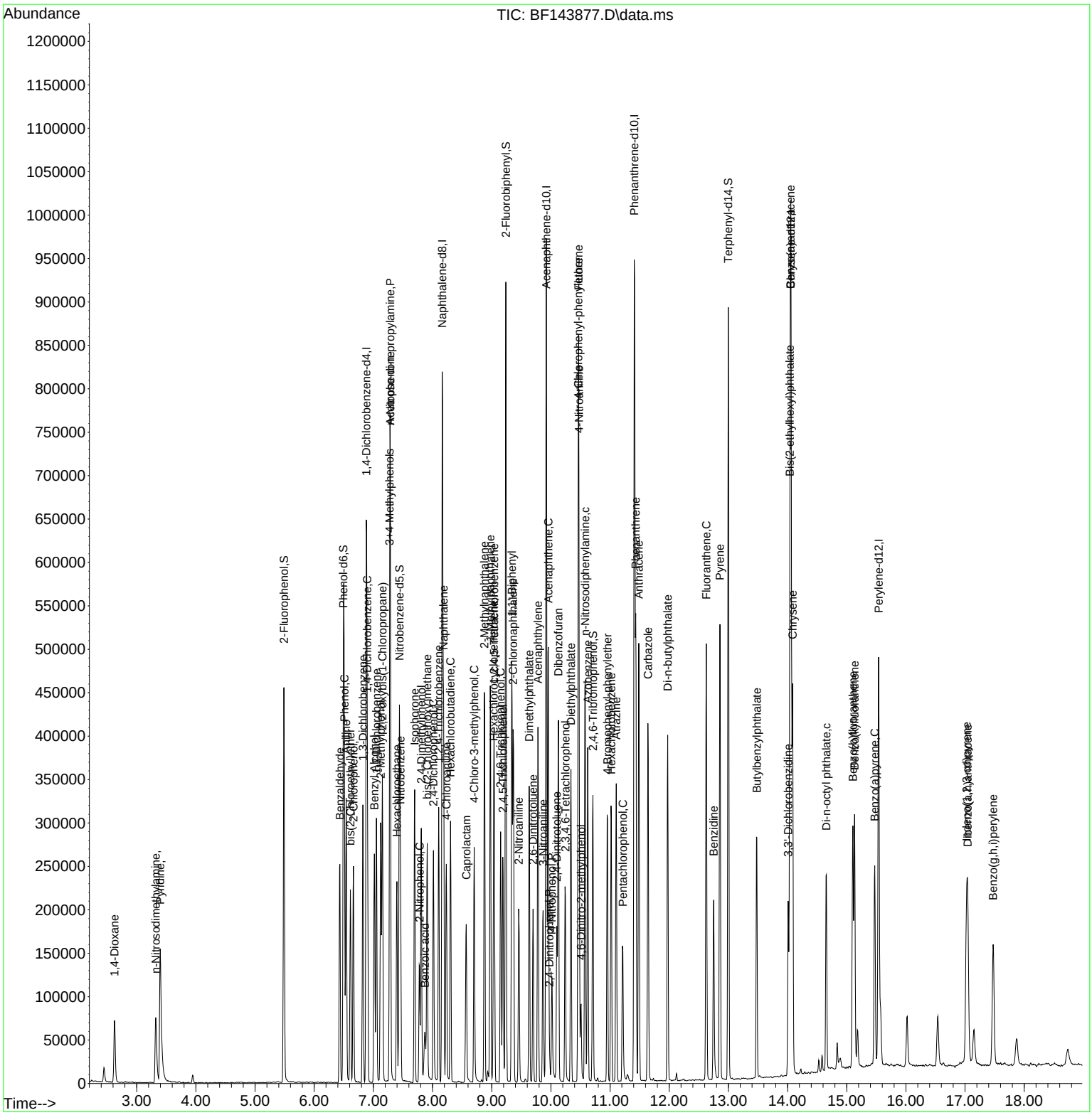
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143877.D
Acq On : 06 Oct 2025 10:57
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

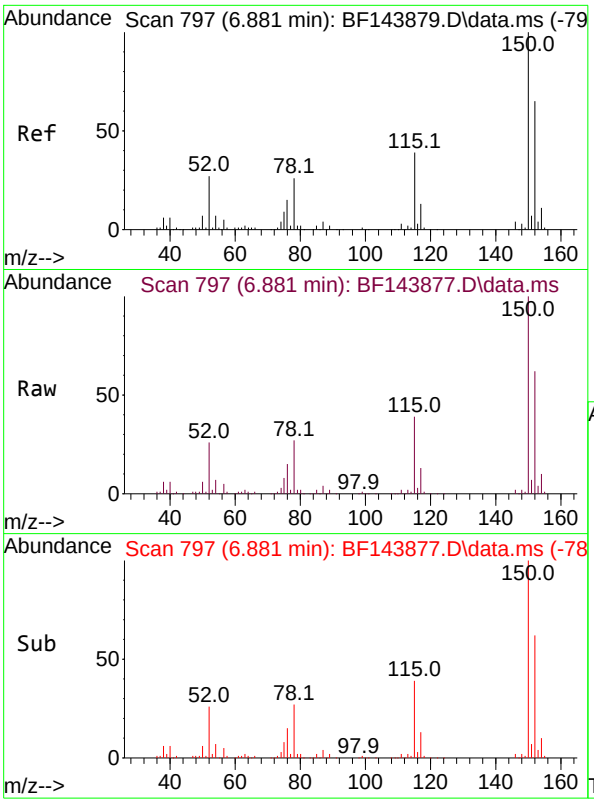
Quant Time: Oct 06 15:38:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

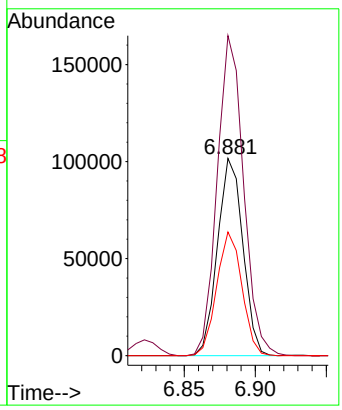




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:152 Resp: 12653

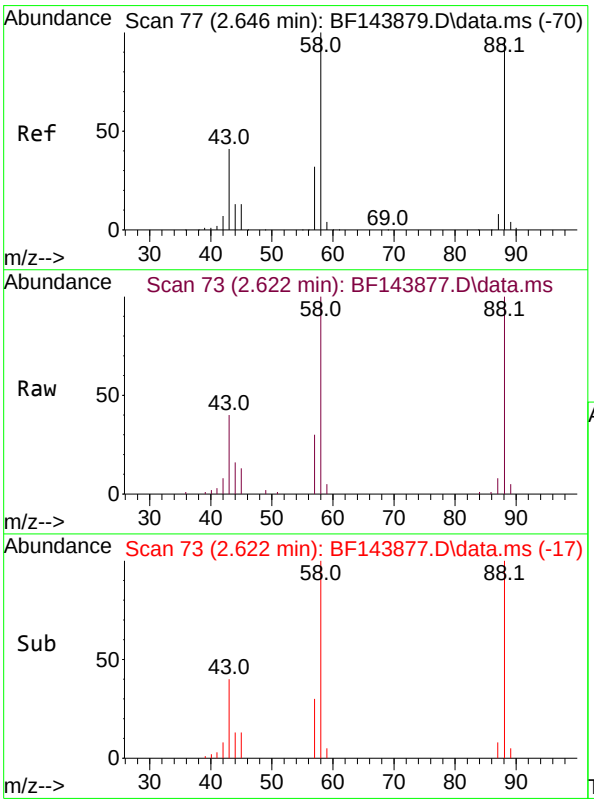
Ion	Ratio	Lower	Upper
152	100		
150	162.3	124.4	186.6
115	62.7	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

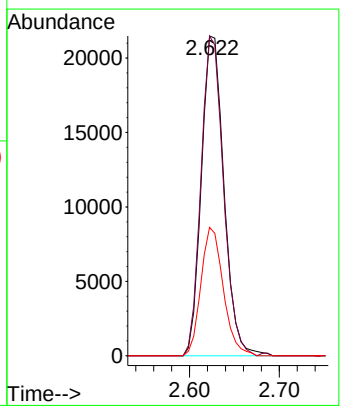
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

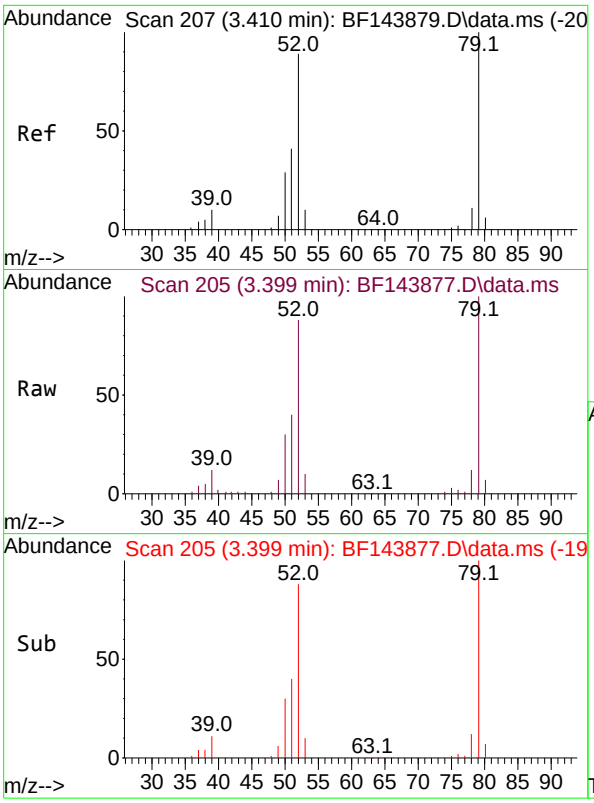


#2
1,4-Dioxane
Concen: 10.215 ng
RT: 2.622 min Scan# 73
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 88 Resp: 37665

Ion	Ratio	Lower	Upper
88	100		
58	99.3	83.0	124.6
43	39.9	33.9	50.9

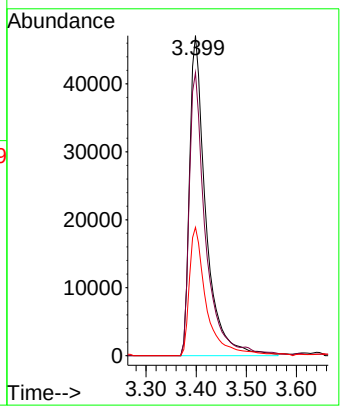




#3
Pyridine
Concen: 9.856 ng
RT: 3.399 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 79 Resp: 10580

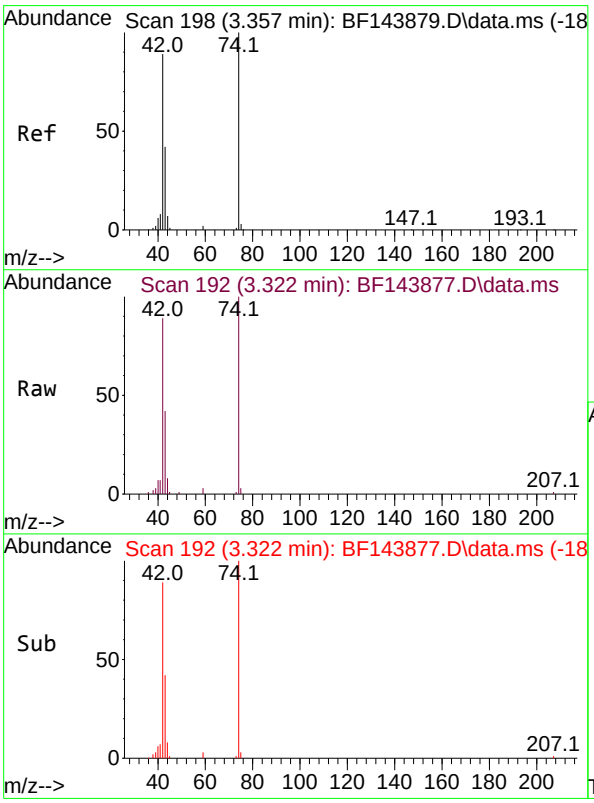
Ion	Ratio	Lower	Upper
79	100		
52	88.4	71.5	107.3
51	40.1	32.9	49.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

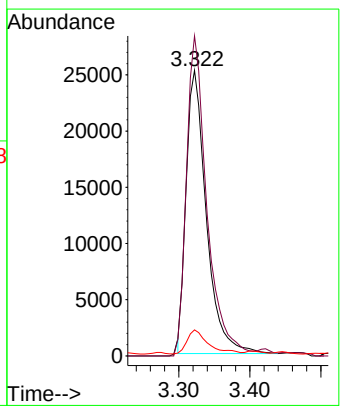
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

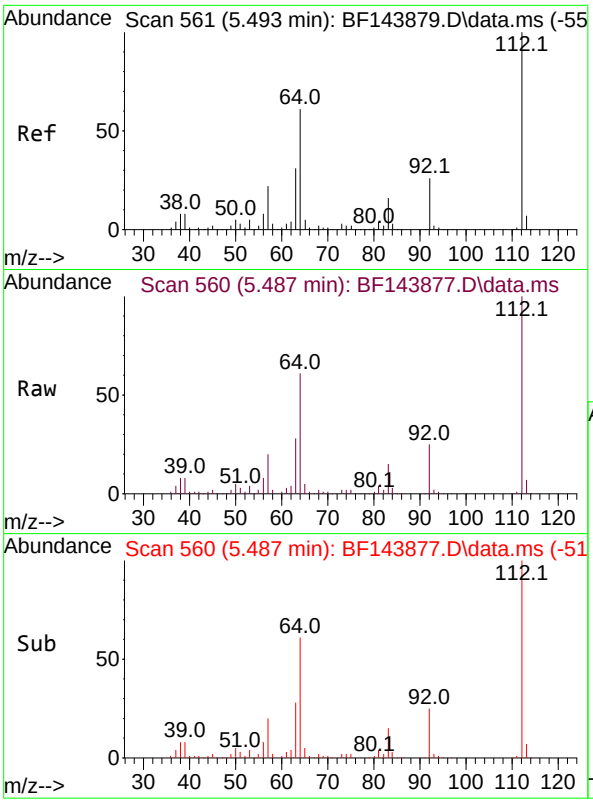


#4
n-Nitrosodimethylamine
Concen: 8.818 ng
RT: 3.322 min Scan# 192
Delta R.T. -0.065 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 42 Resp: 49793

Ion	Ratio	Lower	Upper
42	100		
74	112.1	90.0	135.0
44	9.1	6.2	9.2





#5
2-Fluorophenol
Concen: 21.422 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

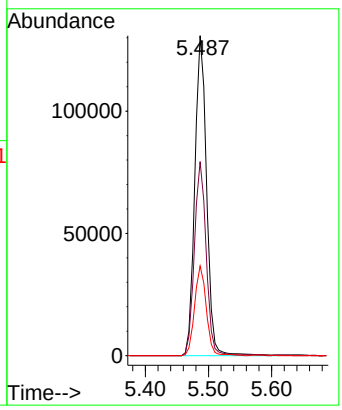
Tgt Ion:112 Resp: 17069

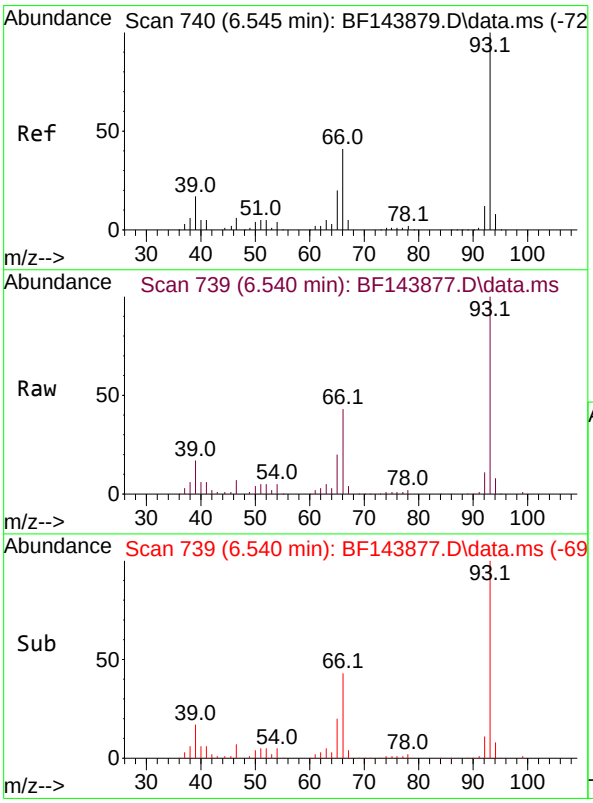
Ion	Ratio	Lower	Upper
112	100		
64	60.6	49.1	73.7
63	28.0	24.5	36.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

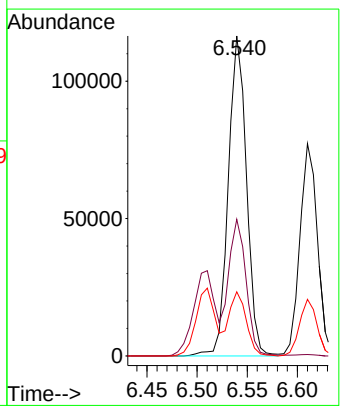


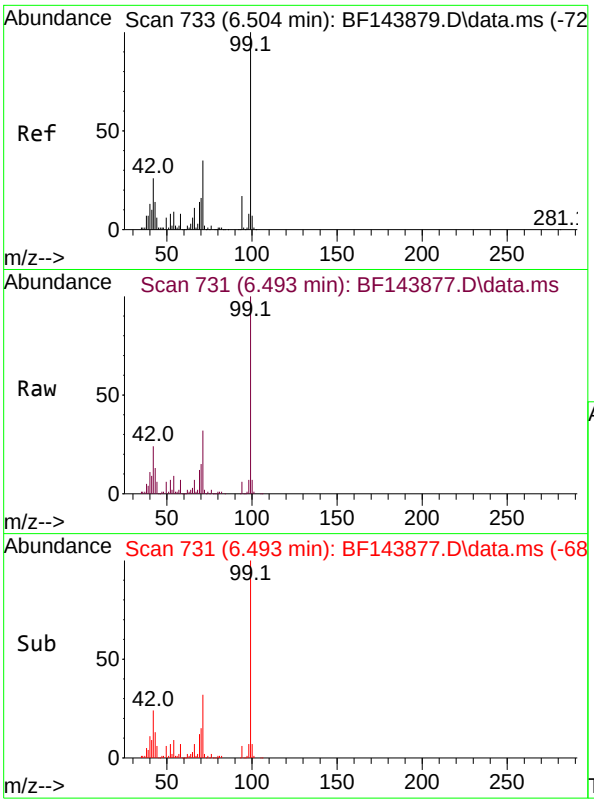


#6
Aniline
Concen: 10.344 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 93 Resp: 147222

Ion	Ratio	Lower	Upper
93	100		
66	42.7	33.0	49.6
65	20.0	15.8	23.8

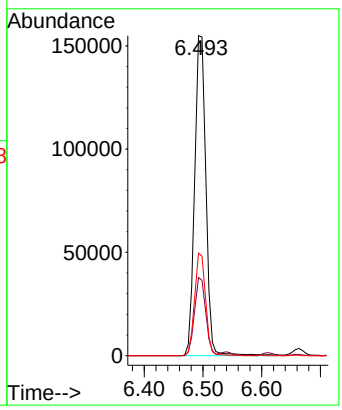




#7
Phenol-d6
Concen: 21.727 ng
RT: 6.493 min Scan# 7
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 99 Resp: 20635

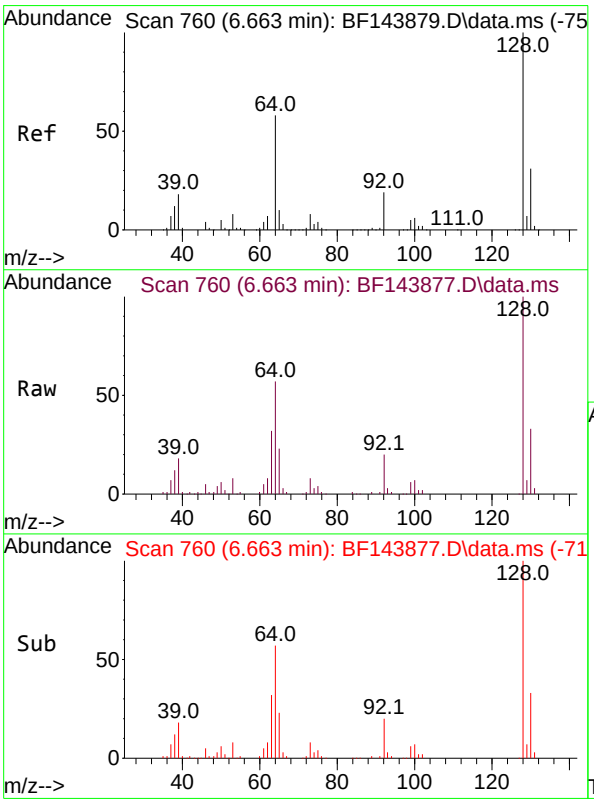
Ion	Ratio	Lower	Upper
99	100		
42	24.4	21.0	31.4
71	32.0	27.8	41.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

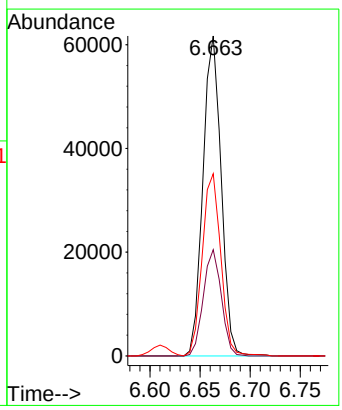
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

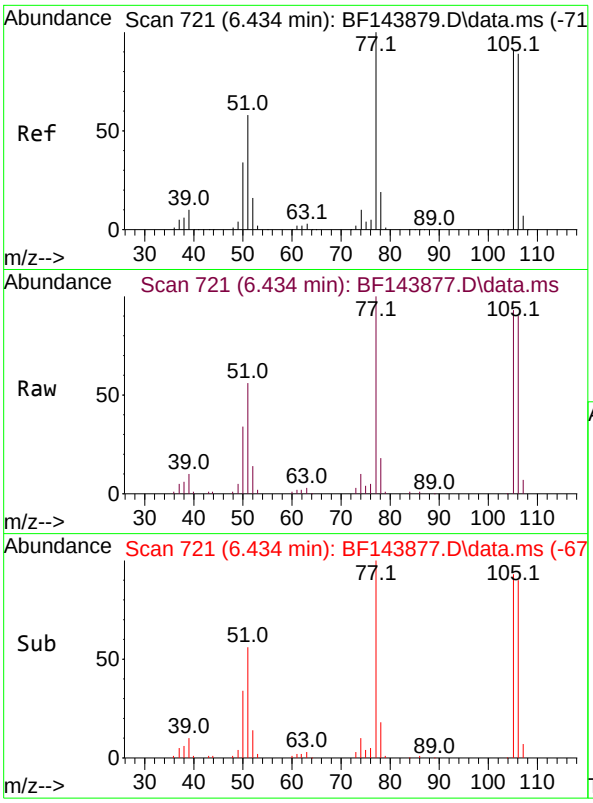


#8
2-Chlorophenol
Concen: 9.983 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:128 Resp: 77754

Ion	Ratio	Lower	Upper
128	100		
130	33.2	10.7	50.7
64	56.9	39.0	79.0

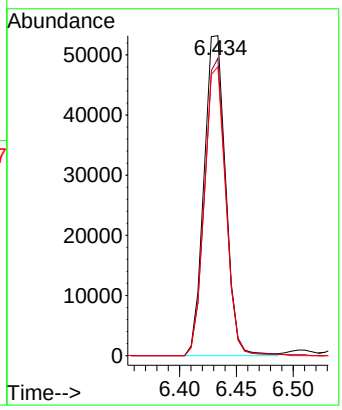




#9
Benzaldehyde
Concen: 9.629 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 77 Resp: 7054

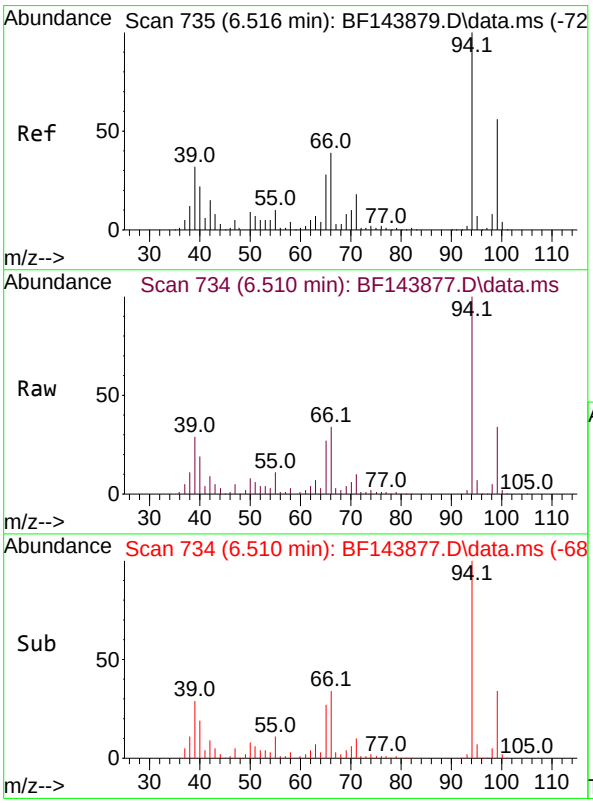
Ion	Ratio	Lower	Upper
77	100		
105	92.9	70.9	110.9
106	90.3	68.9	108.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

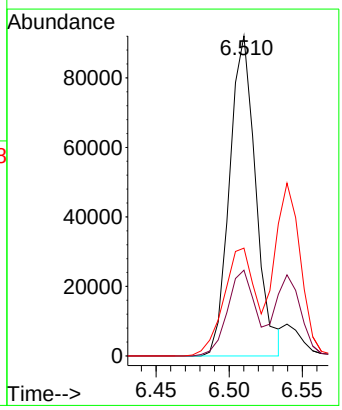
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

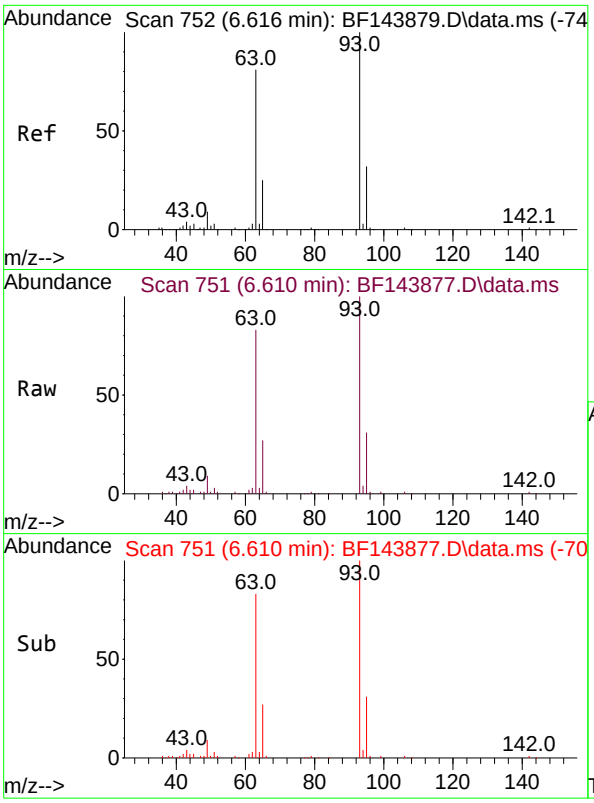


#10
Phenol
Concen: 10.109 ng m
RT: 6.510 min Scan# 734
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 94 Resp: 114780

Ion	Ratio	Lower	Upper
94	100		
65	26.8	8.5	48.5
66	33.7	19.9	59.9

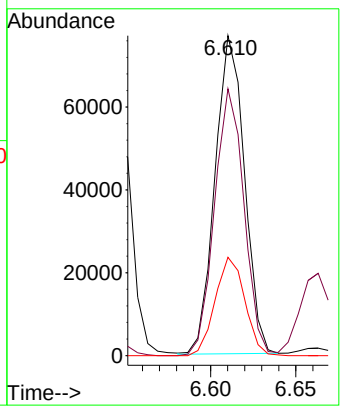




#11
bis(2-Chloroethyl)ether
Concen: 10.513 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 93 Resp: 9220

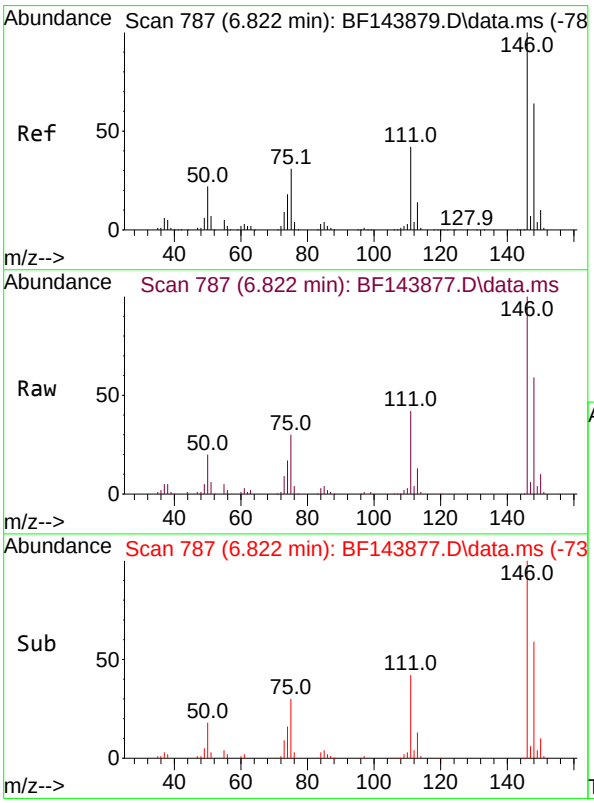
Ion	Ratio	Lower	Upper
93	100		
63	83.4	60.9	100.9
95	30.7	11.5	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

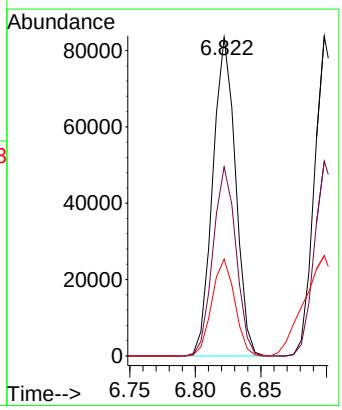
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

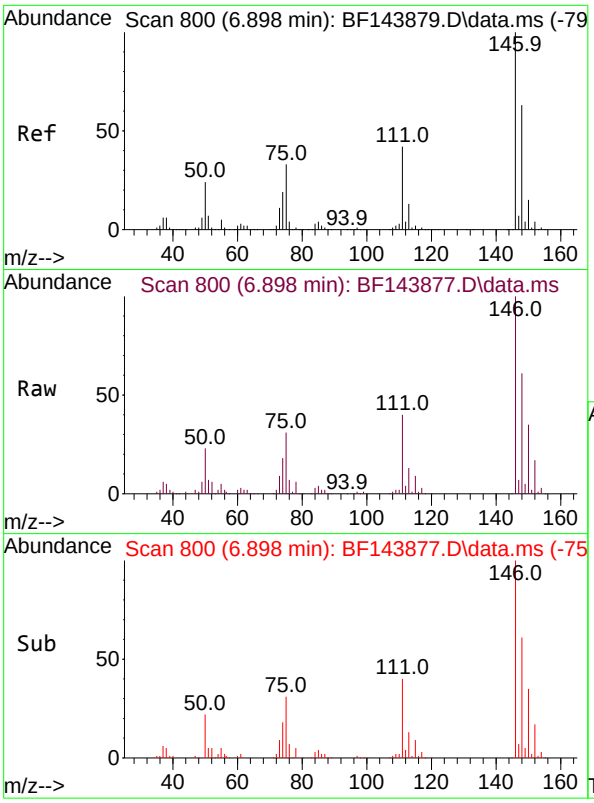


#12
1,3-Dichlorobenzene
Concen: 10.793 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:146 Resp: 100630

Ion	Ratio	Lower	Upper
146	100		
148	59.3	51.0	76.4
75	30.4	24.9	37.3

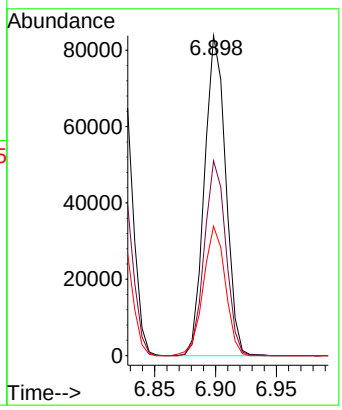




#13
1,4-Dichlorobenzene
Concen: 11.046 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:146 Resp: 10158

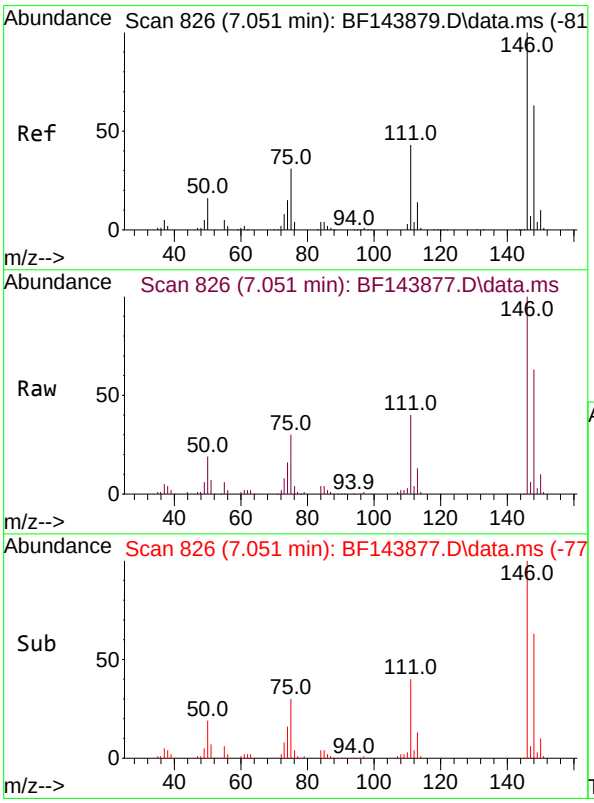
Ion	Ratio	Lower	Upper
146	100		
148	60.9	50.5	75.7
111	40.4	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

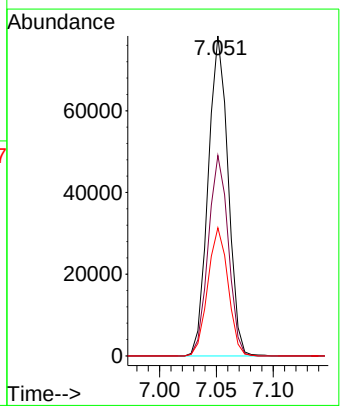
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

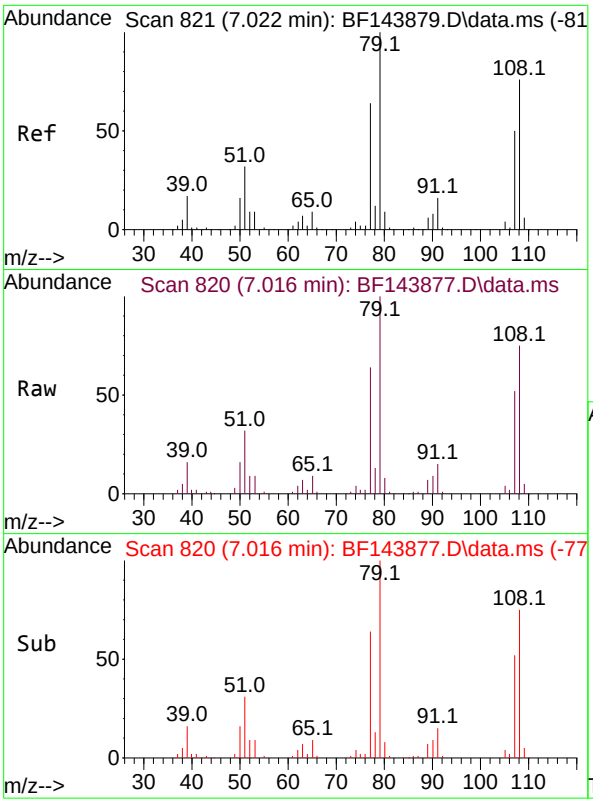


#14
1,2-Dichlorobenzene
Concen: 10.824 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:146 Resp: 95345

Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.6	75.8
111	40.0	34.6	51.8

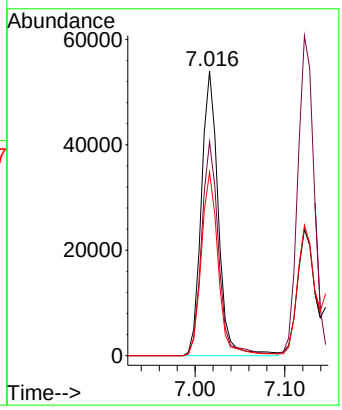




#15
Benzyl Alcohol
Concen: 9.943 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 79 Resp: 7075

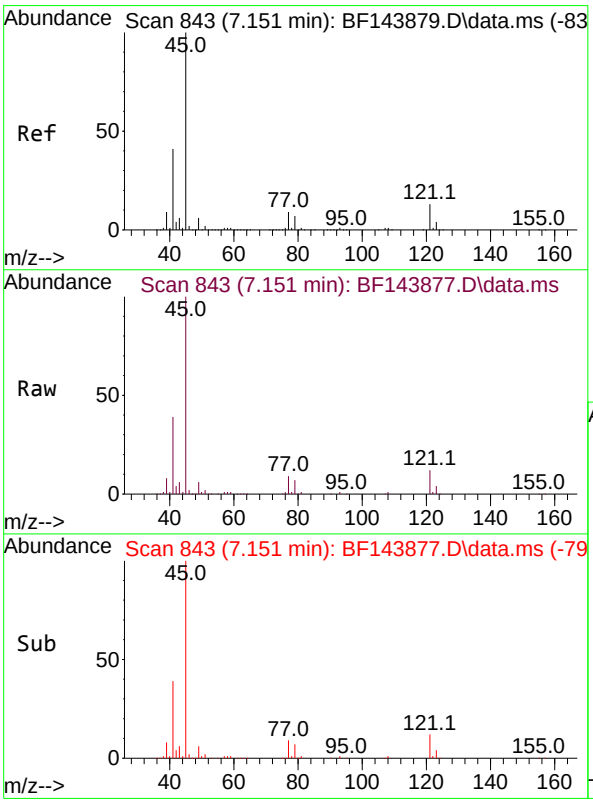
Ion	Ratio	Lower	Upper
79	100		
108	75.1	60.8	91.2
77	64.5	51.0	76.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

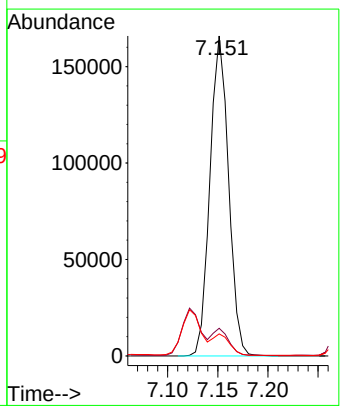
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

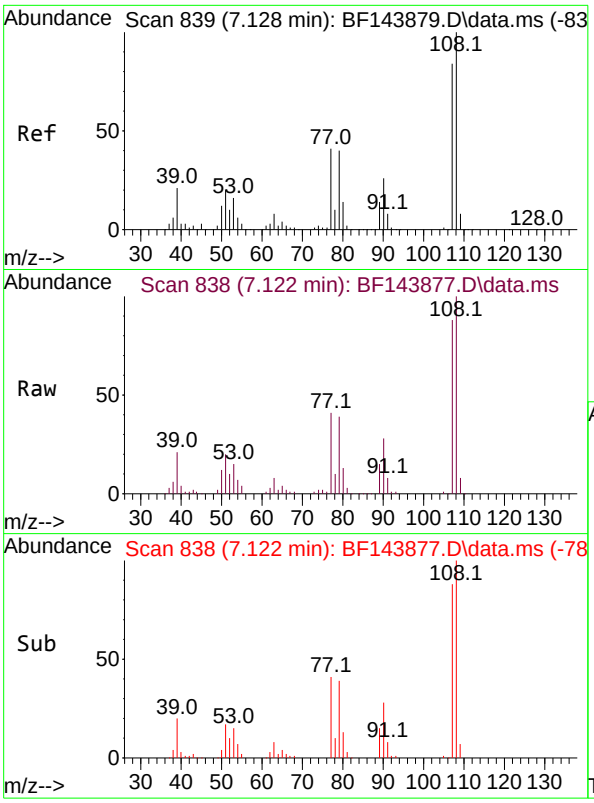


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.728 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 45 Resp: 214183

Ion	Ratio	Lower	Upper
45	100		
77	8.6	0.0	29.0
79	6.9	0.0	26.8

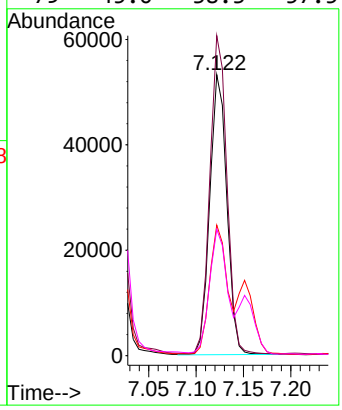




#17
2-Methylphenol
Concen: 10.389 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:107 Resp: 6687

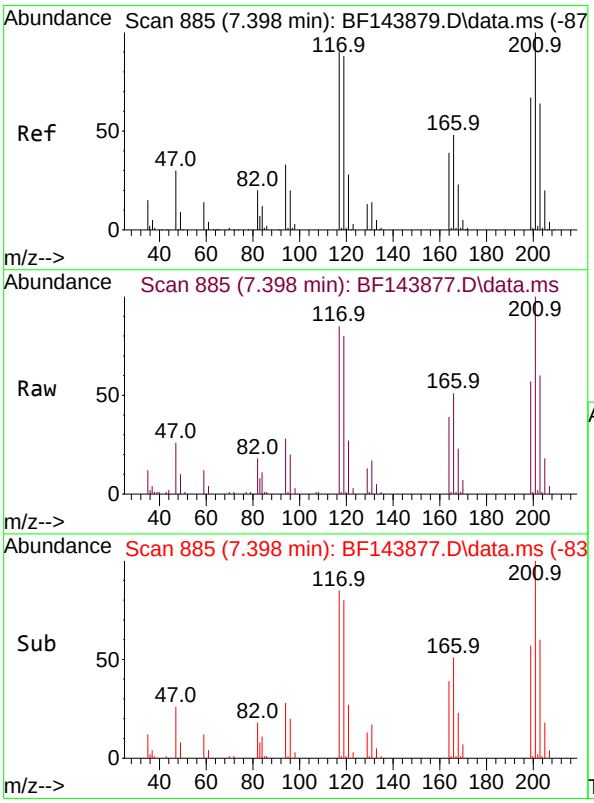
Ion	Ratio	Lower	Upper
107	100		
108	113.9	94.7	142.1
77	46.4	38.8	58.2
79	45.0	38.3	57.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

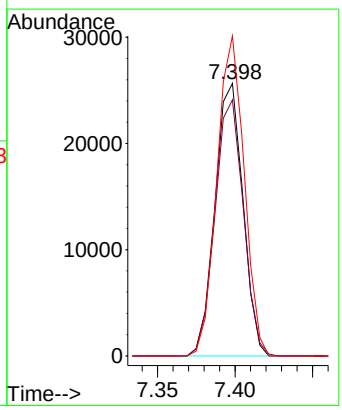
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

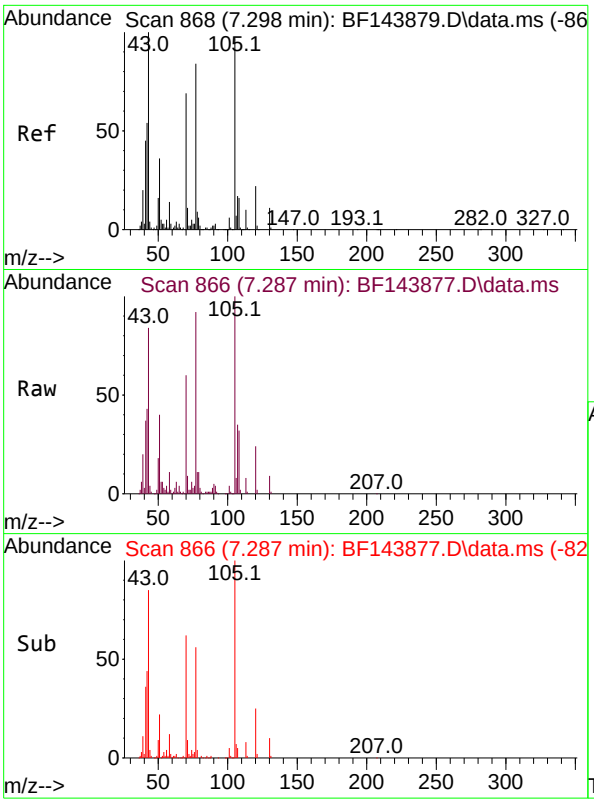


#18
Hexachloroethane
Concen: 10.486 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:117 Resp: 32160

Ion	Ratio	Lower	Upper
117	100		
119	94.0	77.8	116.8
201	117.4	88.5	132.7

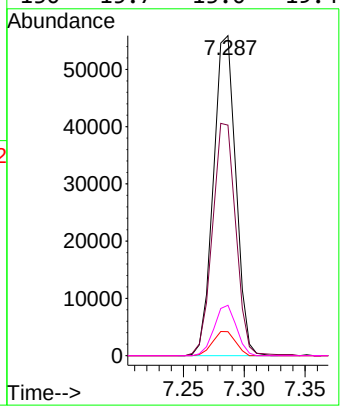




#19
n-Nitroso-di-n-propylamine
Concen: 11.034 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.029 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 70 Resp: 7173

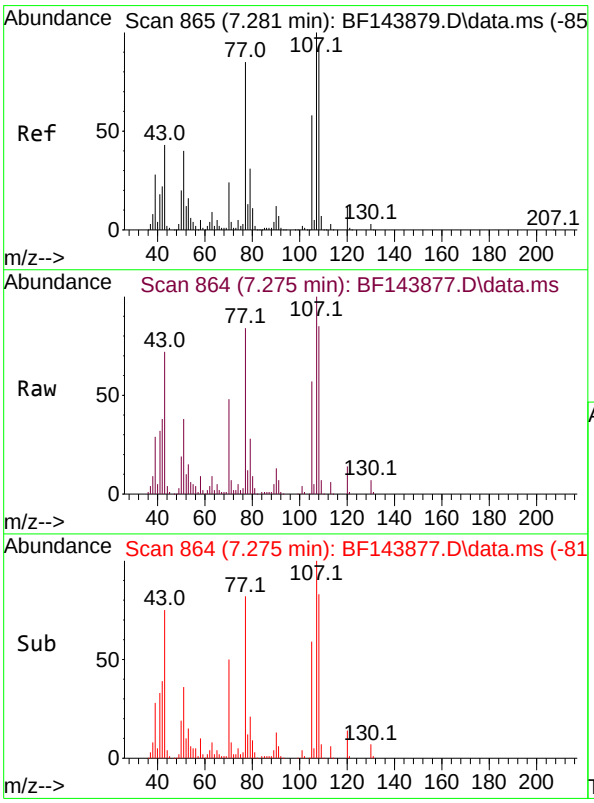
Ion	Ratio	Lower	Upper
70	100		
42	72.0	62.8	94.2
101	7.5	6.7	10.1
130	15.7	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

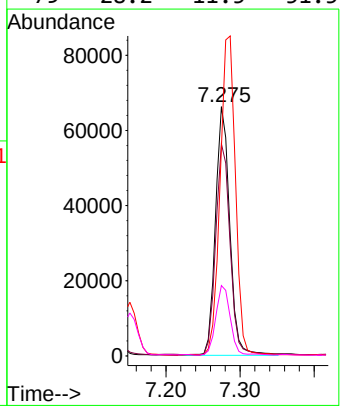
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

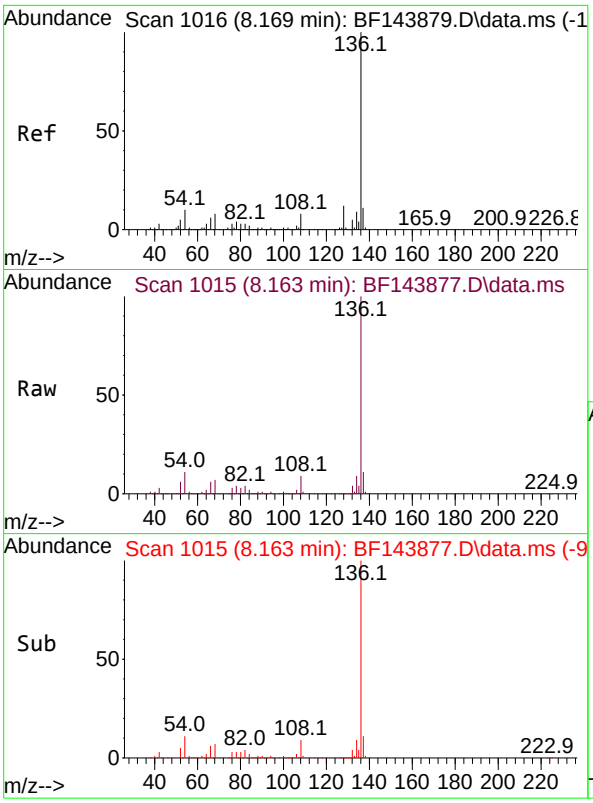


#20
3+4-Methylphenols
Concen: 11.881 ng
RT: 7.275 min Scan# 864
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:107 Resp: 88634

Ion	Ratio	Lower	Upper
107	100		
108	85.2	73.0	113.0
77	83.5	64.6	104.6
79	28.2	11.5	51.5

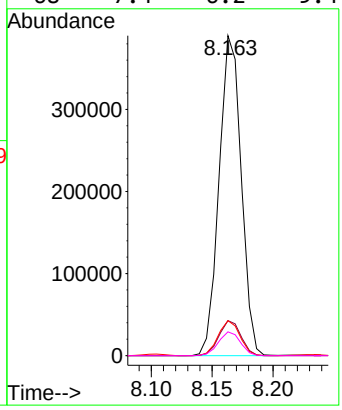




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:136 Resp: 49354

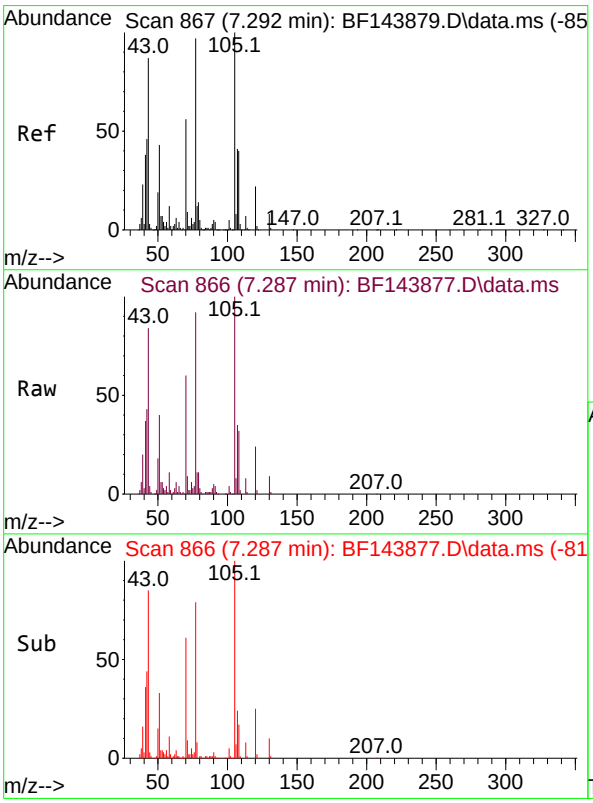
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	11.0	8.2	12.4
68	7.4	6.2	9.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

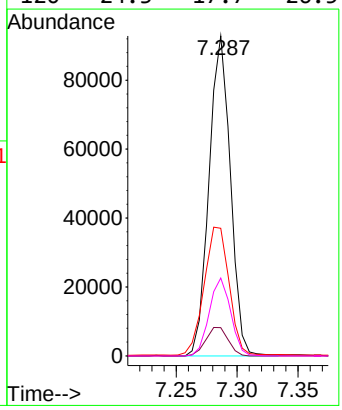
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

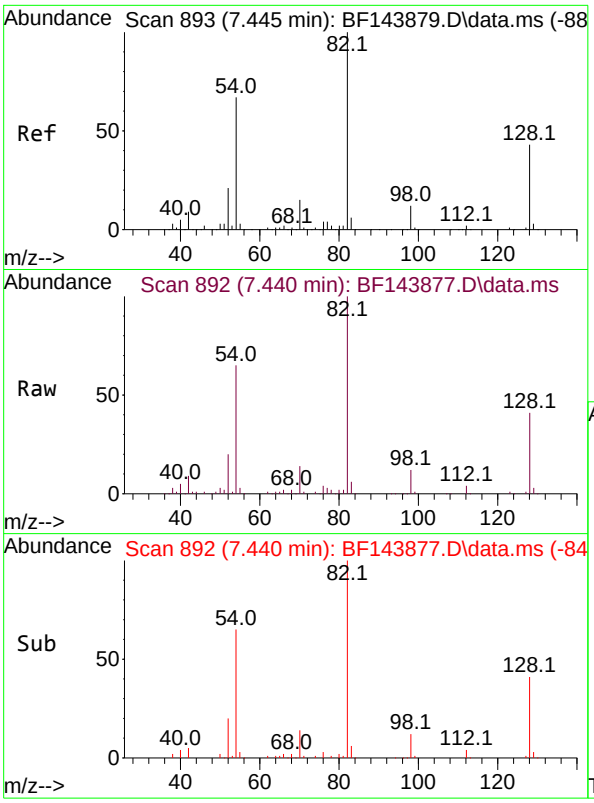


#22
Acetophenone
Concen: 10.900 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:105 Resp: 113751

Ion	Ratio	Lower	Upper
105	100		
71	8.8	7.4	11.0
51	39.9	34.2	51.4
120	24.3	17.7	26.5

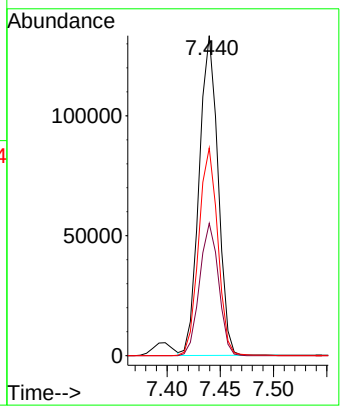




#23
Nitrobenzene-d5
Concen: 20.204 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 82 Resp: 16412

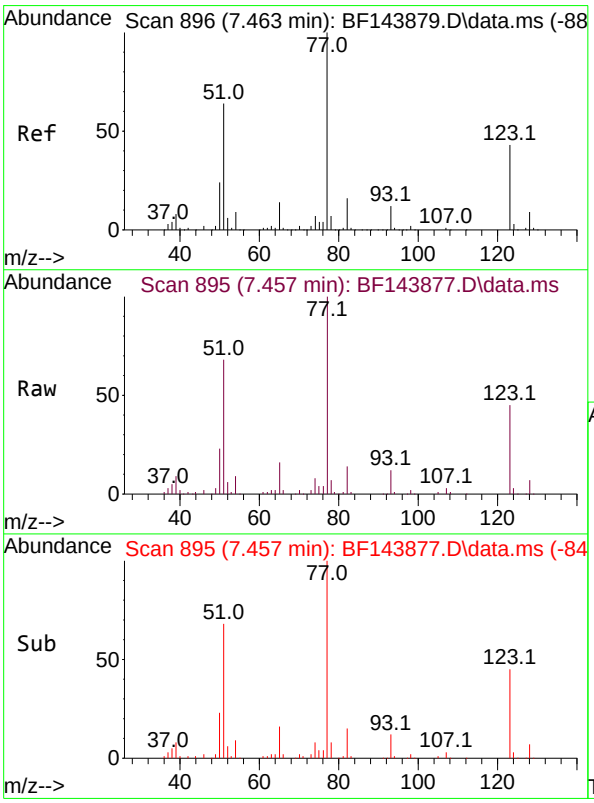
Ion	Ratio	Lower	Upper
82	100		
128	41.3	34.0	51.0
54	64.9	53.2	79.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

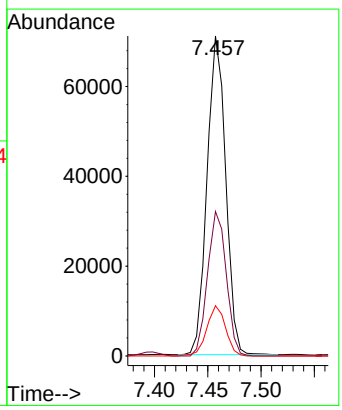
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

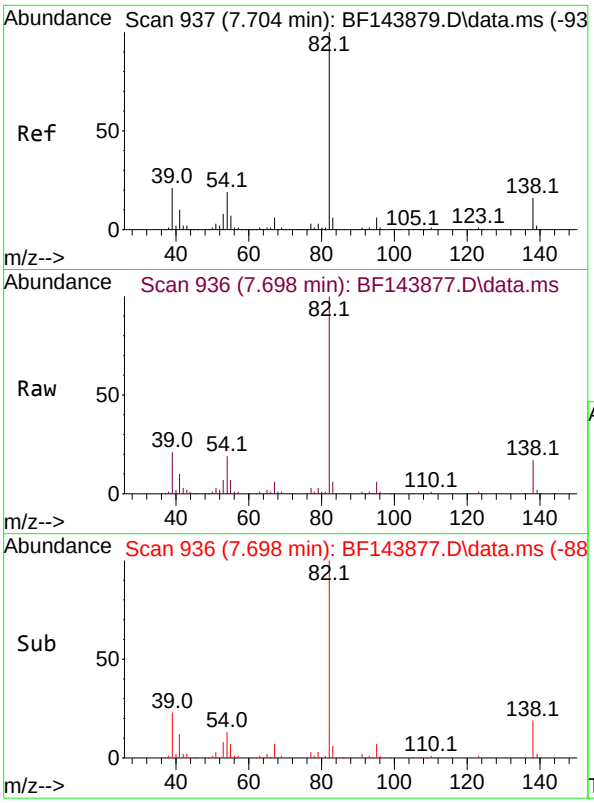


#24
Nitrobenzene
Concen: 9.558 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 77 Resp: 86228

Ion	Ratio	Lower	Upper
77	100		
123	45.1	34.2	51.4
65	15.7	11.0	16.6





#25
Isophorone
Concen: 10.203 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

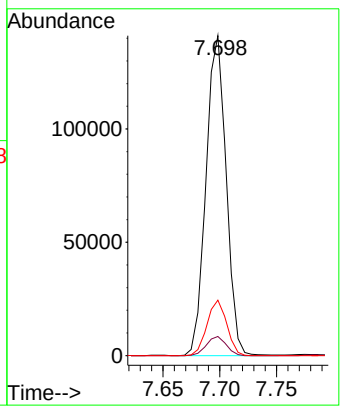
Tgt Ion: 82 Resp: 17476

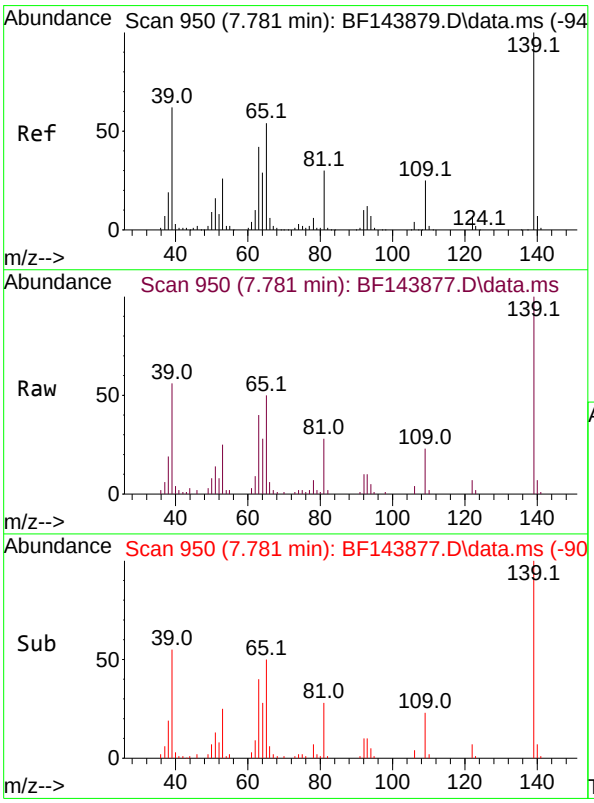
Ion	Ratio	Lower	Upper
82	100		
95	6.0	5.1	7.7
138	17.3	12.9	19.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

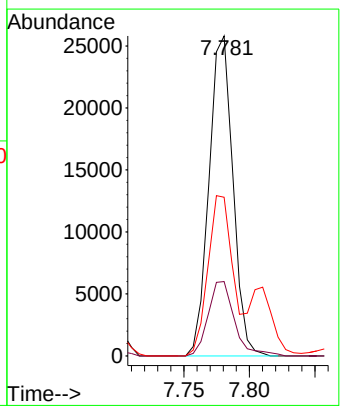


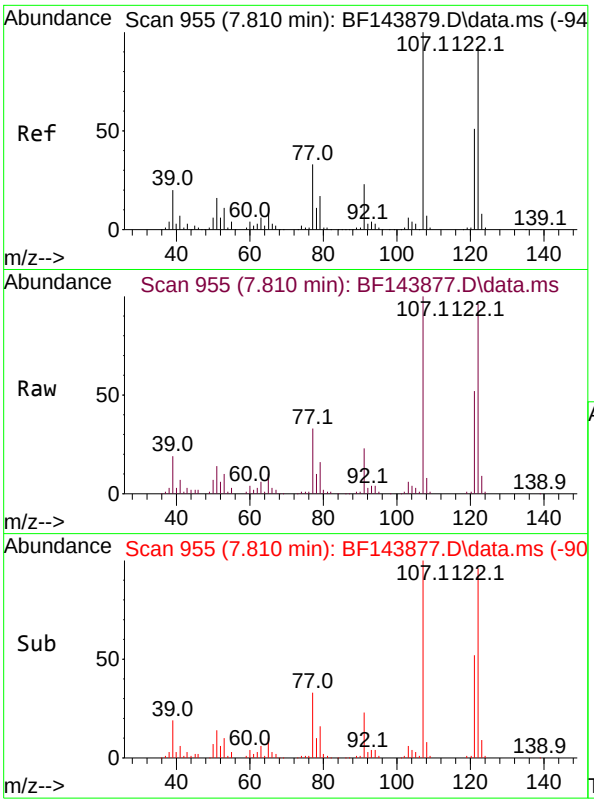


#26
2-Nitrophenol
Concen: 8.477 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:139 Resp: 32787

Ion	Ratio	Lower	Upper
139	100		
109	23.2	19.8	29.6
65	49.6	42.9	64.3

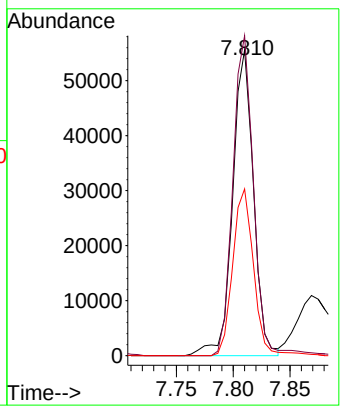




#27
2,4-Dimethylphenol
Concen: 10.199 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:122 Resp: 7096

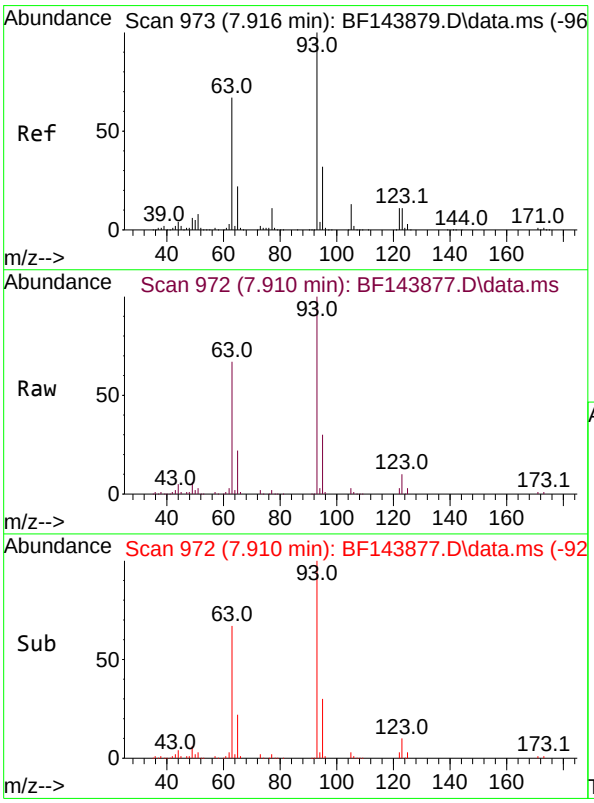
Ion	Ratio	Lower	Upper
122	100		
107	104.7	86.1	129.1
121	54.5	43.8	65.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

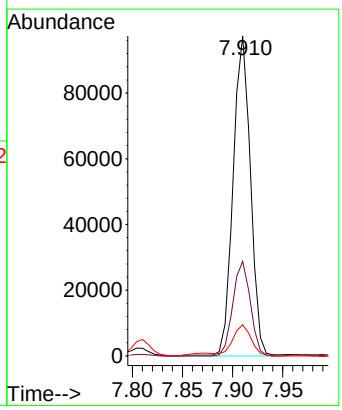
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

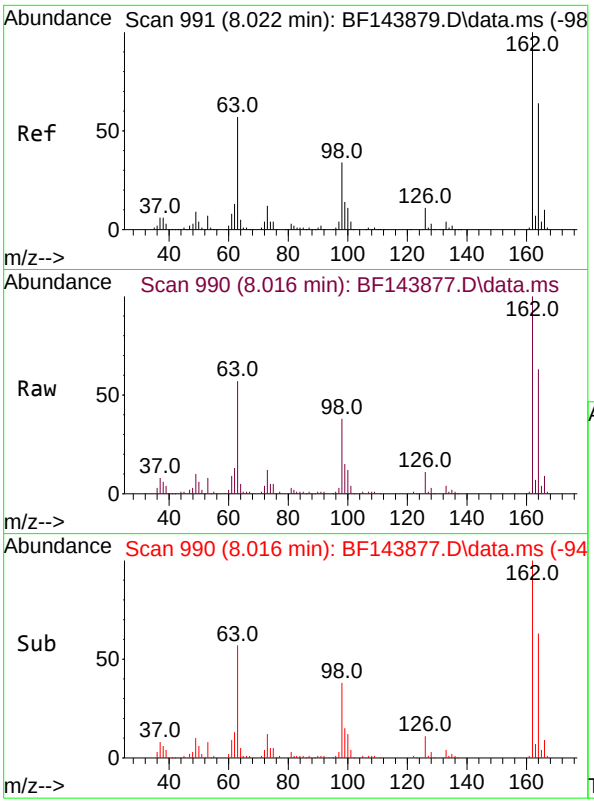


#28
bis(2-Chloroethoxy)methane
Concen: 10.804 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 93 Resp: 116898

Ion	Ratio	Lower	Upper
93	100		
95	29.5	25.9	38.9
123	9.7	9.4	14.0

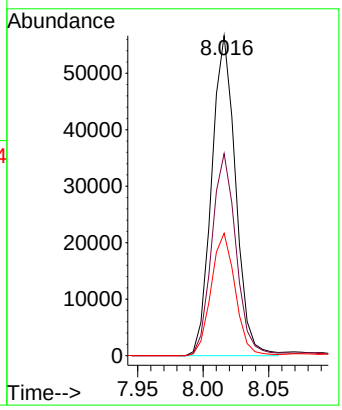




#29
2,4-Dichlorophenol
Concen: 9.954 ng
RT: 8.016 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:162 Resp: 7214

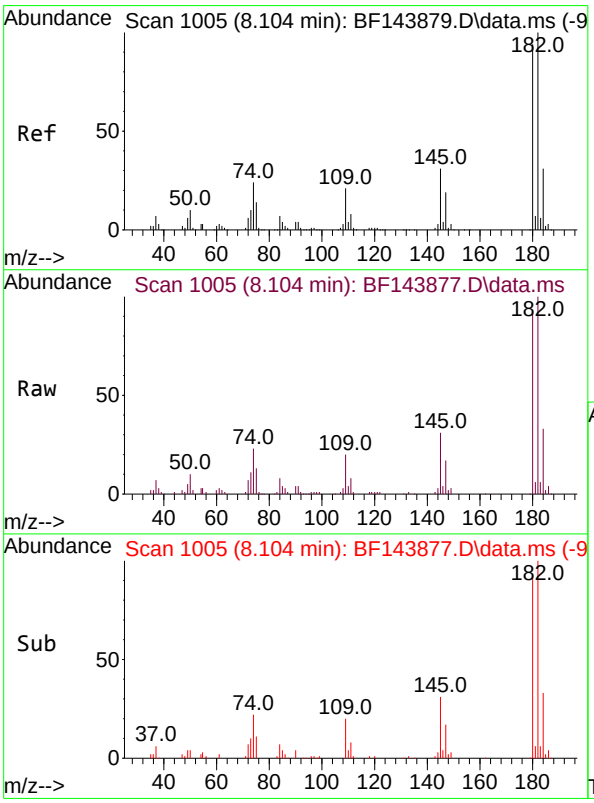
Ion	Ratio	Lower	Upper
162	100		
164	63.1	43.9	83.9
98	38.2	14.4	54.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

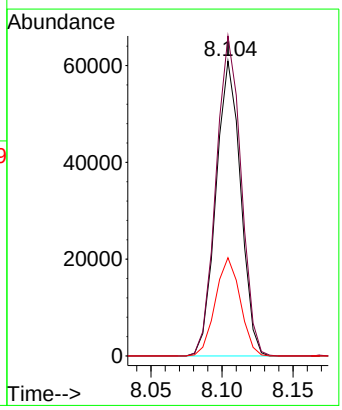
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

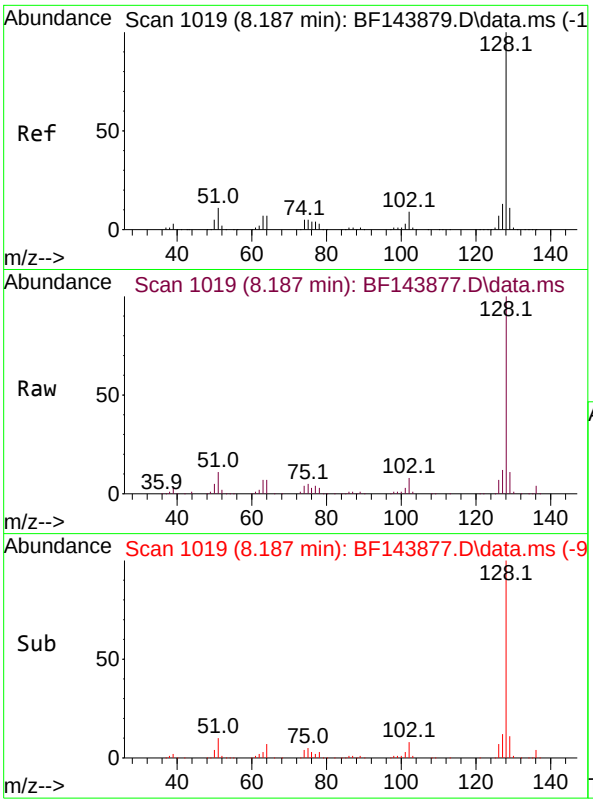


#30
1,2,4-Trichlorobenzene
Concen: 10.336 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:180 Resp: 73668

Ion	Ratio	Lower	Upper
180	100		
182	108.6	85.4	128.0
145	33.3	26.3	39.5

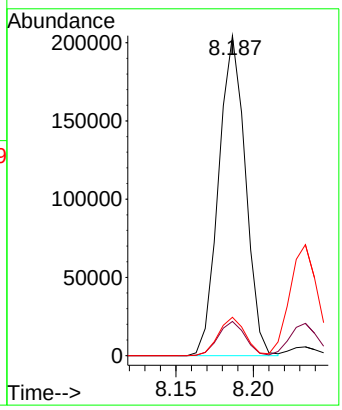




#31
Naphthalene
Concen: 10.951 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:128 Resp: 24585

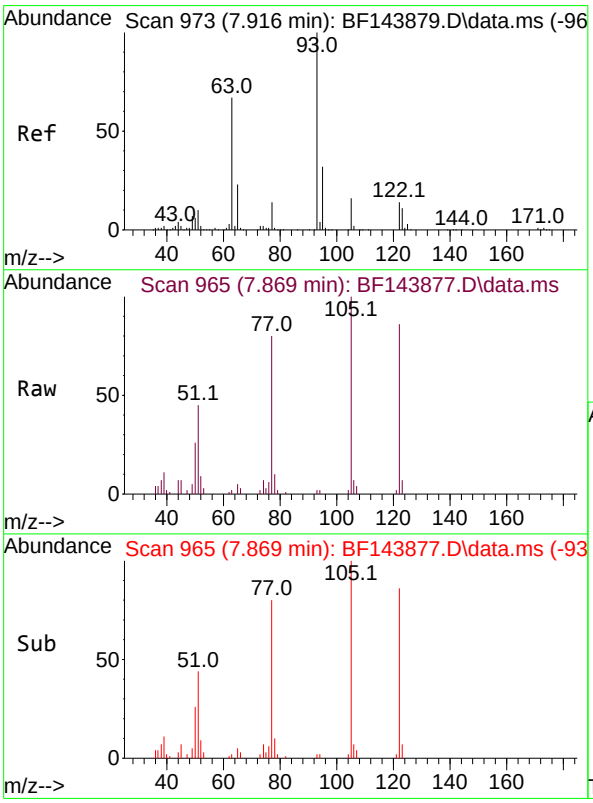
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	12.0	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

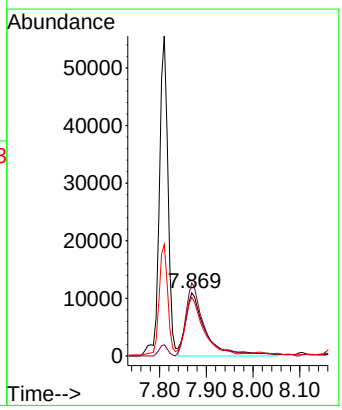
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

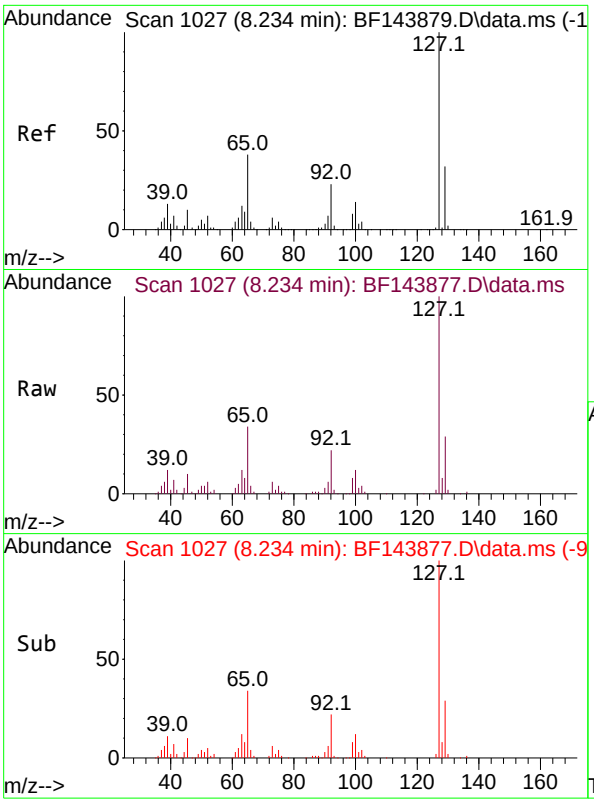


#32
Benzoic acid
Concen: 6.721 ng m
RT: 7.869 min Scan# 965
Delta R.T. -0.094 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:122 Resp: 32361

Ion	Ratio	Lower	Upper
122	100		
105	115.7	93.5	133.5
77	92.9	76.3	116.3

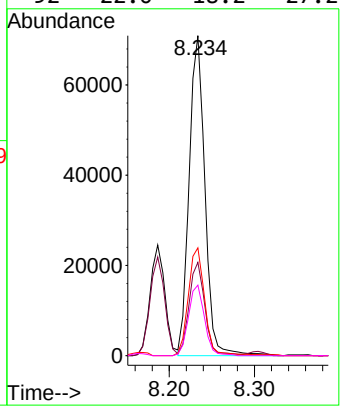




#33
4-Chloroaniline
Concen: 10.842 ng
RT: 8.234 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:127 Resp: 91294

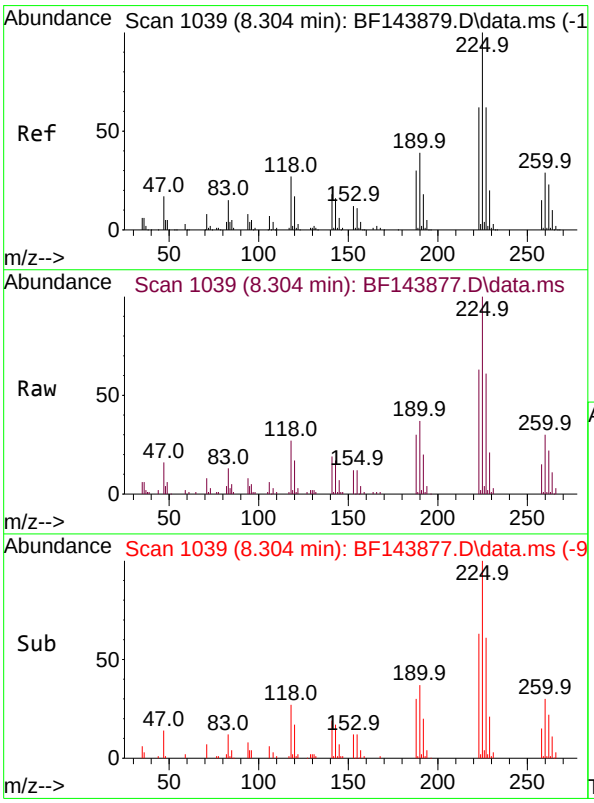
Ion	Ratio	Lower	Upper
127	100		
129	29.1	25.8	38.8
65	33.7	30.0	45.0
92	22.0	18.2	27.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

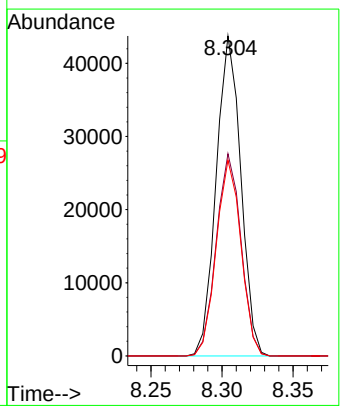
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

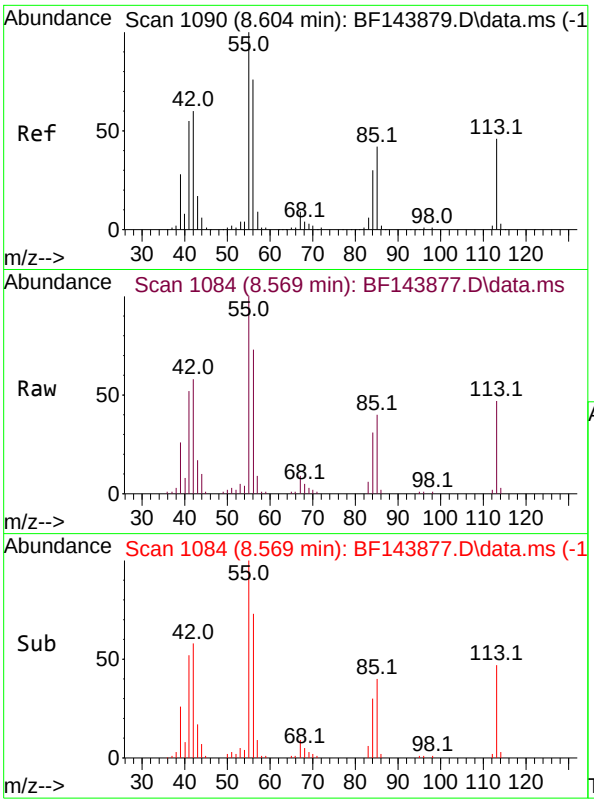


#34
Hexachlorobutadiene
Concen: 10.665 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:225 Resp: 52824

Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.4	74.2
227	61.1	49.7	74.5

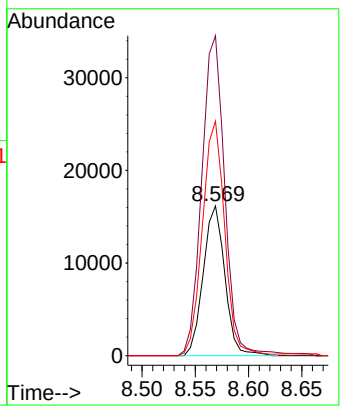




#35
Caprolactam
Concen: 9.900 ng
RT: 8.569 min Scan# 1
Delta R.T. -0.076 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:113 Resp: 2281

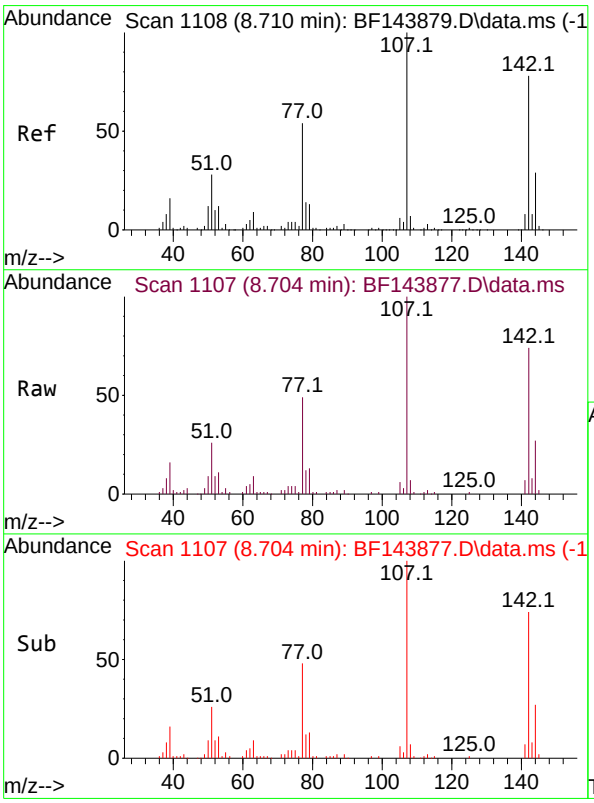
Ion	Ratio	Lower	Upper
113	100		
55	213.8	199.6	239.6
56	156.7	146.0	186.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

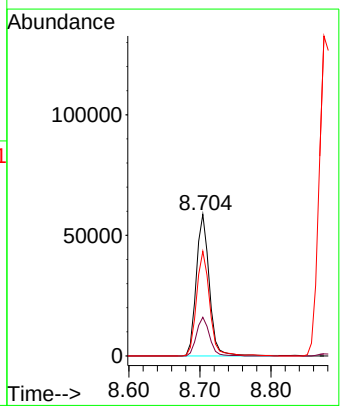
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

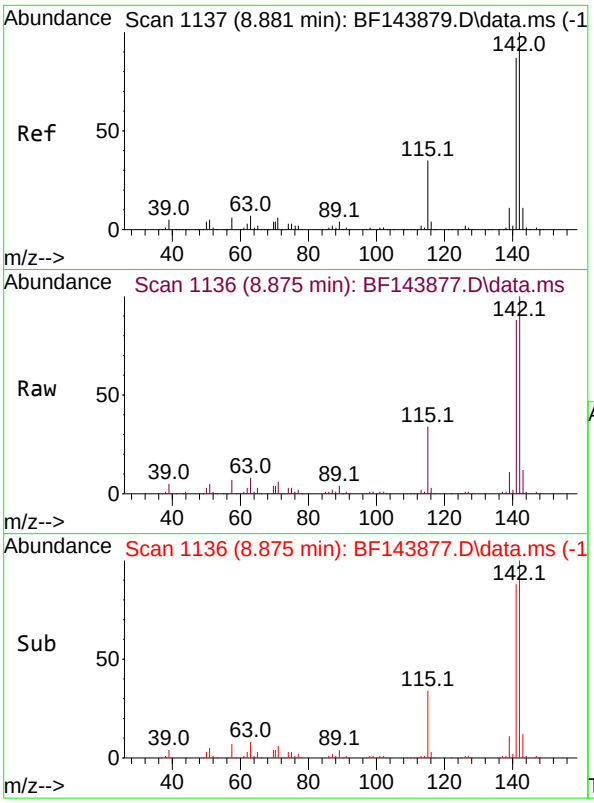


#36
4-Chloro-3-methylphenol
Concen: 10.708 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:107 Resp: 74546

Ion	Ratio	Lower	Upper
107	100		
144	27.3	23.1	34.7
142	74.0	62.6	94.0

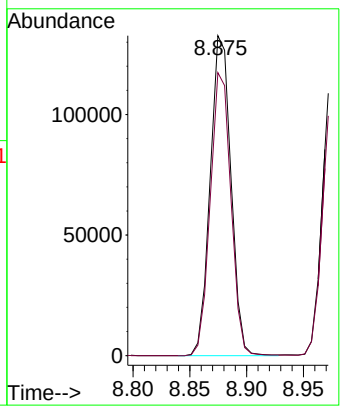




#37
2-Methylnaphthalene
Concen: 11.272 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:142 Resp: 16858

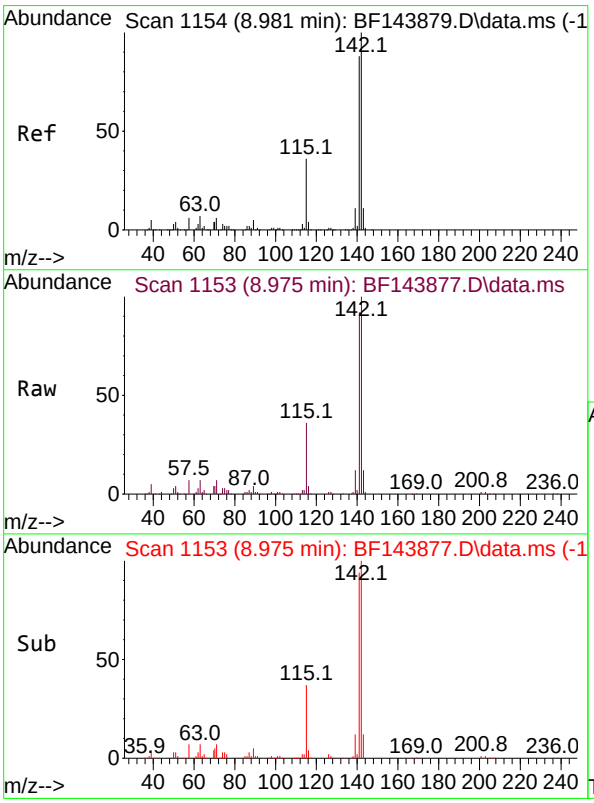
Ion	Ratio	Lower	Upper
142	100		
141	88.4	69.2	103.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

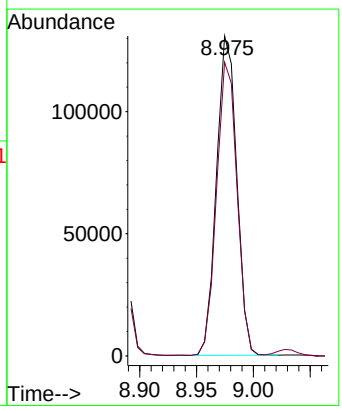
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

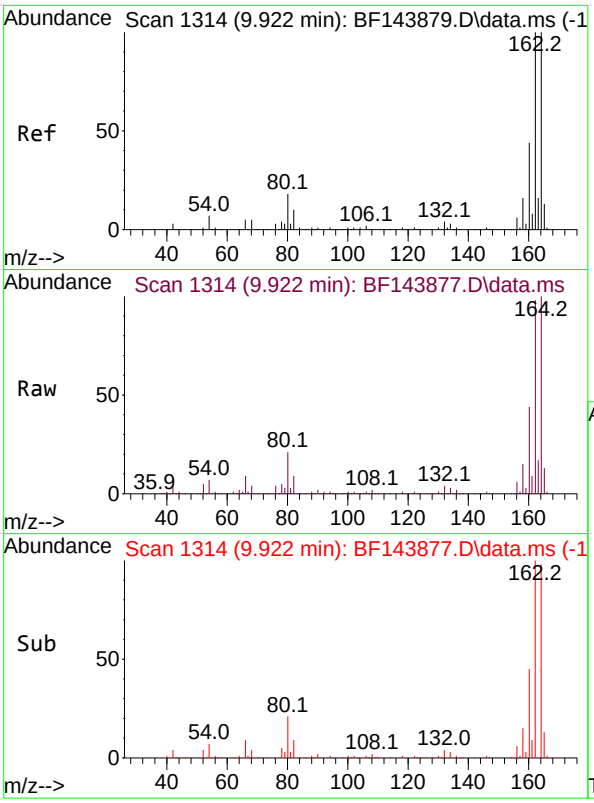


#38
1-Methylnaphthalene
Concen: 11.160 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.011 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:142 Resp: 161895

Ion	Ratio	Lower	Upper
142	100		
141	91.8	70.8	106.2

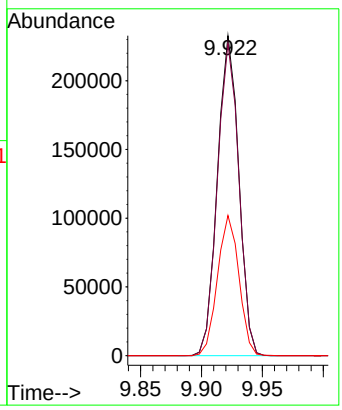




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:164 Resp: 28382

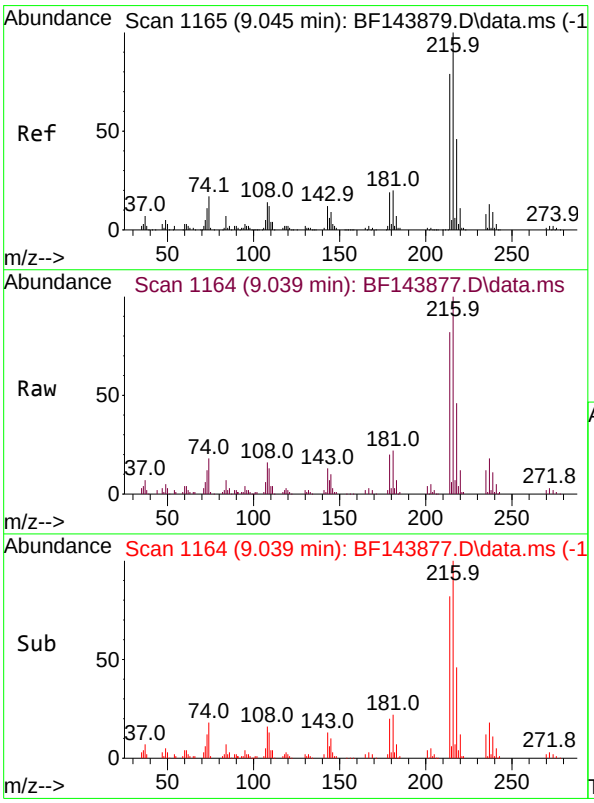
Ion	Ratio	Lower	Upper
164	100		
162	97.5	80.2	120.2
160	43.8	35.4	53.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

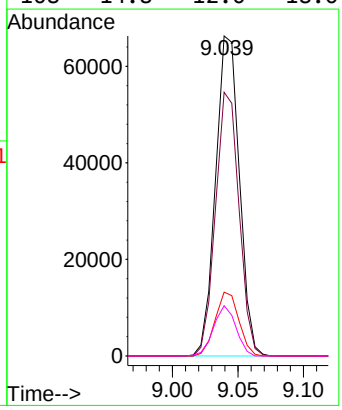
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

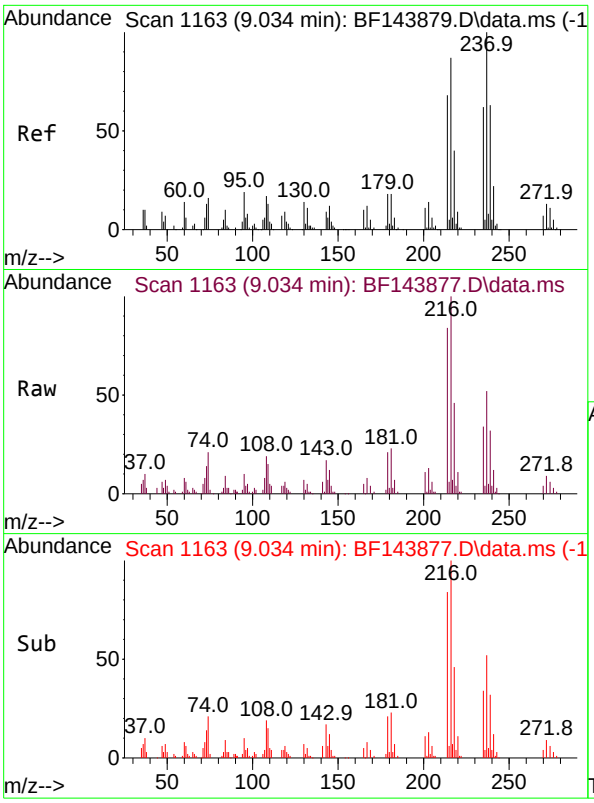


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.705 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:216 Resp: 83972

Ion	Ratio	Lower	Upper
216	100		
214	81.4	62.6	94.0
179	19.8	15.4	23.0
108	14.8	12.0	18.0

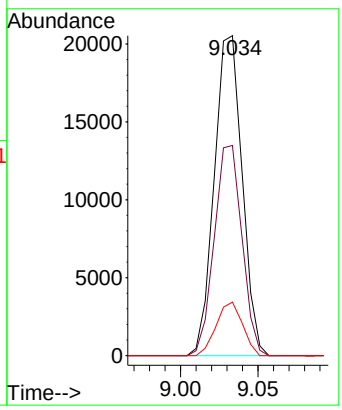




#41
Hexachlorocyclopentadiene
Concen: 7.932 ng
RT: 9.034 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:237 Resp: 2581

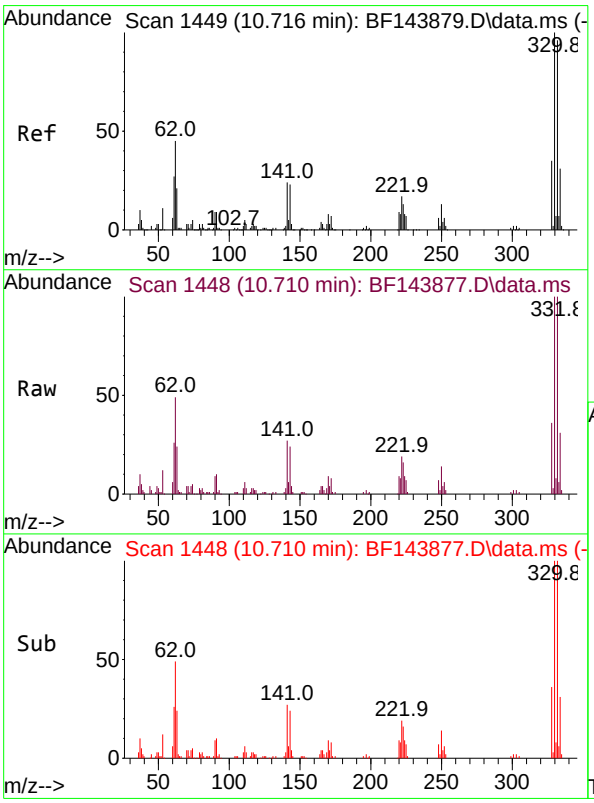
Ion	Ratio	Lower	Upper
237	100		
235	65.7	42.3	82.3
272	16.7	0.0	33.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

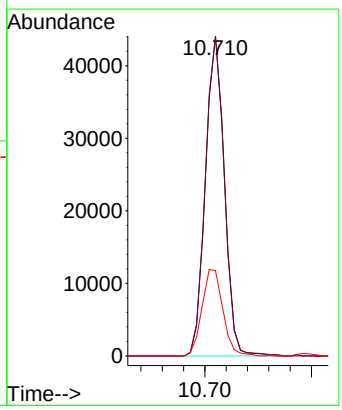
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

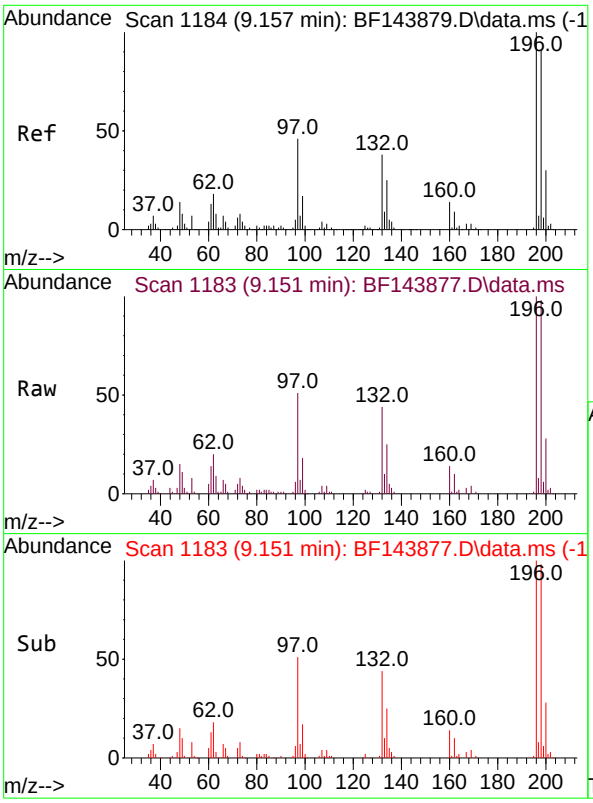


#42
2,4,6-Tribromophenol
Concen: 19.262 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:330 Resp: 54453

Ion	Ratio	Lower	Upper
330	100		
332	100.2	76.9	115.3
141	29.7	20.2	30.4

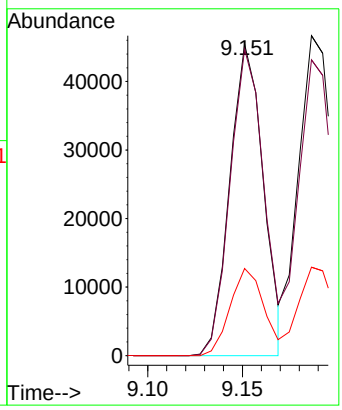




#43
2,4,6-Trichlorophenol
Concen: 9.758 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:196 Resp: 5592

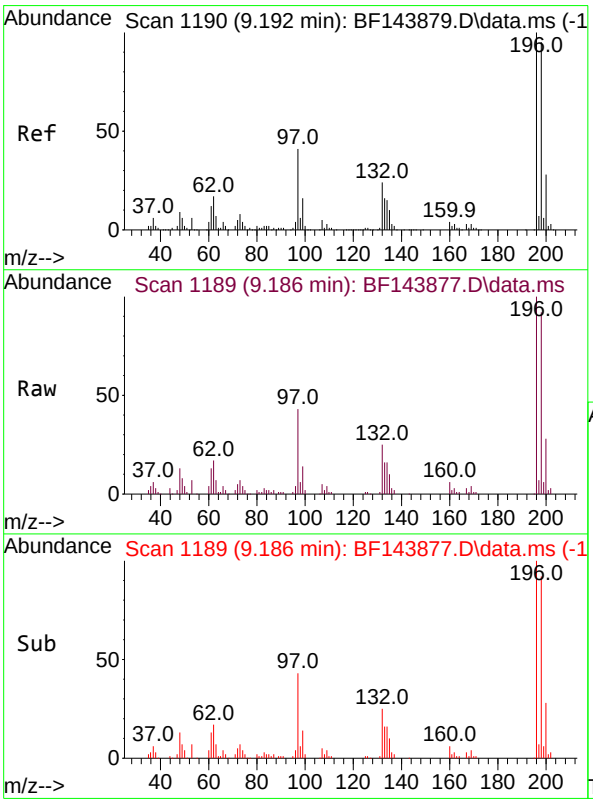
Ion	Ratio	Lower	Upper
196	100		
198	98.4	72.8	109.2
200	28.0	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

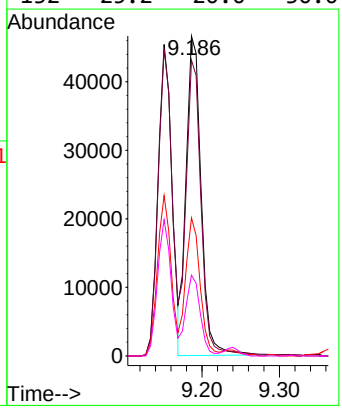
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

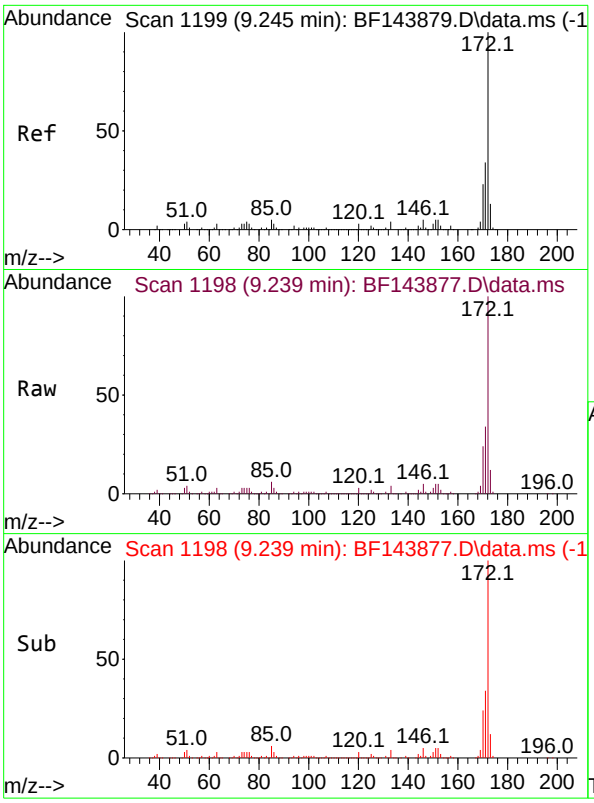


#44
2,4,5-Trichlorophenol
Concen: 10.407 ng
RT: 9.186 min Scan# 1189
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:196 Resp: 63036

Ion	Ratio	Lower	Upper
196	100		
198	92.4	75.5	113.3
97	43.1	33.9	50.9
132	25.2	20.0	30.0

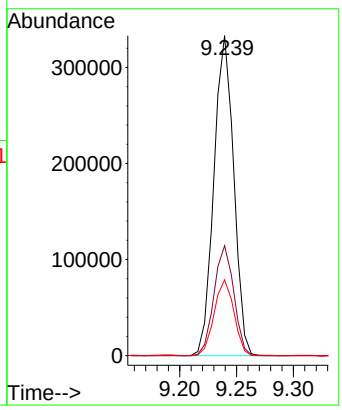




#45
2-Fluorobiphenyl
Concen: 22.595 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:172 Resp: 404164

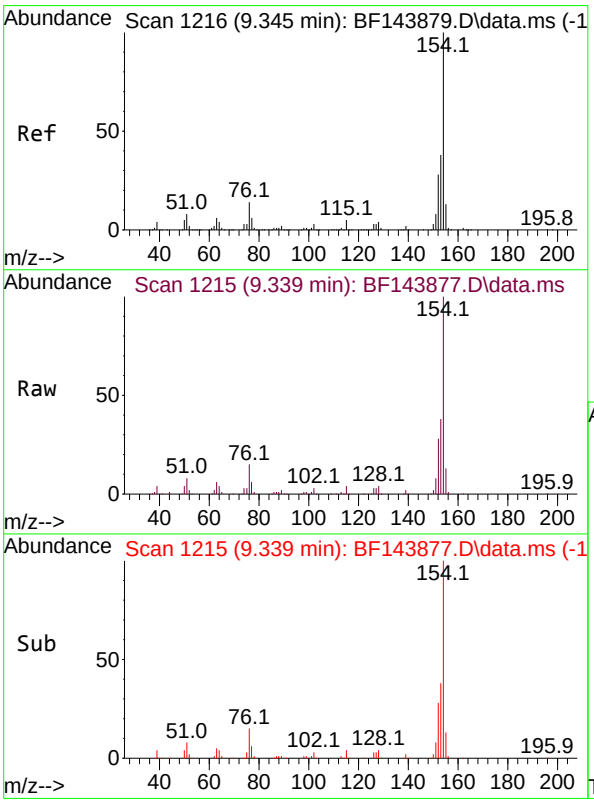
Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.4	41.0
170	23.7	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

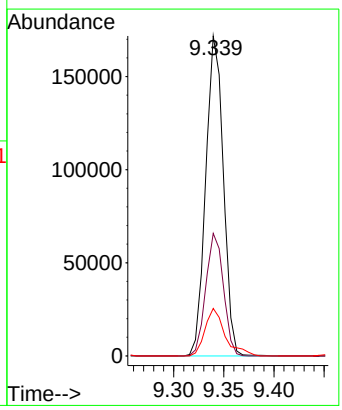
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

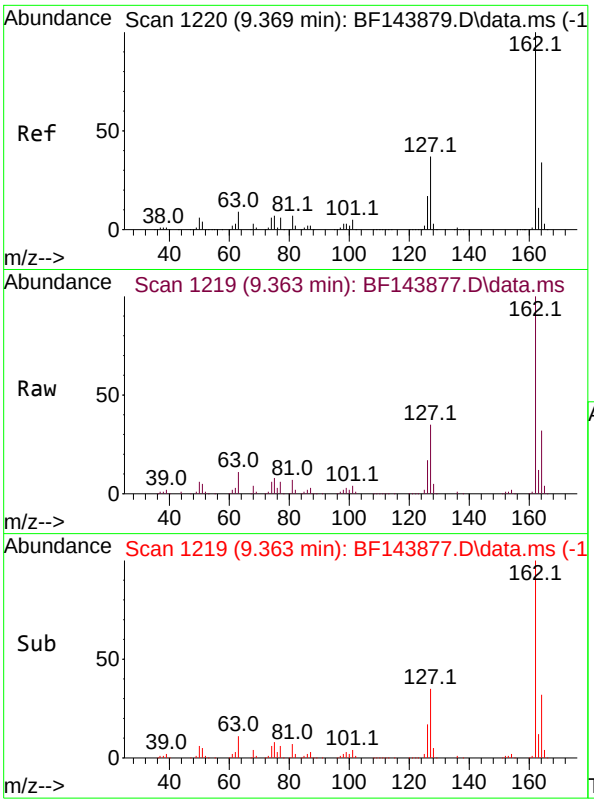


#46
1,1'-Biphenyl
Concen: 11.150 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:154 Resp: 209528

Ion	Ratio	Lower	Upper
154	100		
153	38.3	18.4	58.4
76	14.8	0.0	34.0

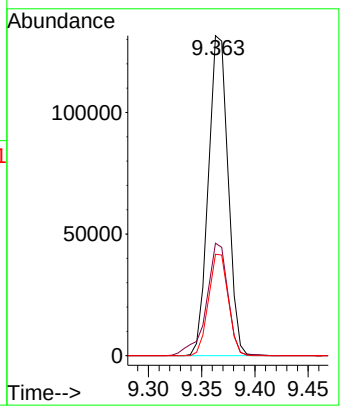




#47
2-Chloronaphthalene
Concen: 10.829 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:162 Resp: 16967

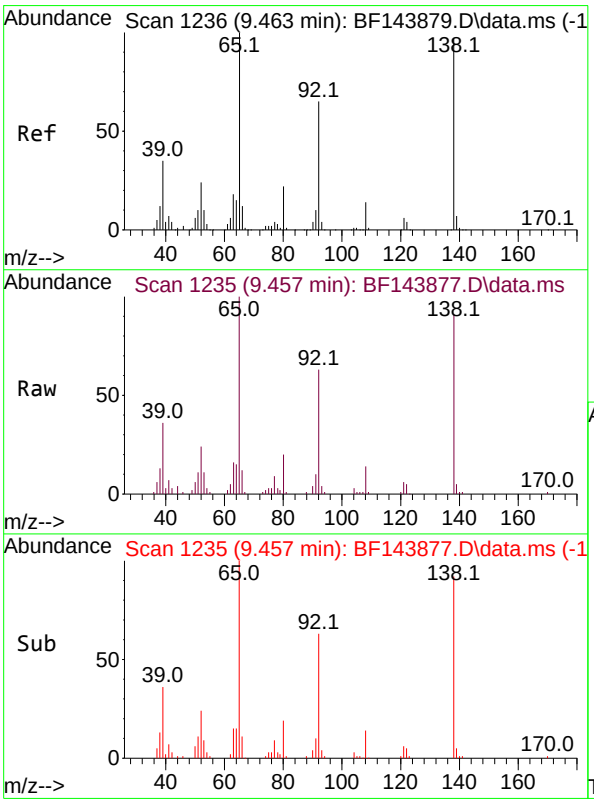
Ion	Ratio	Lower	Upper
162	100		
127	35.1	30.2	45.2
164	31.7	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

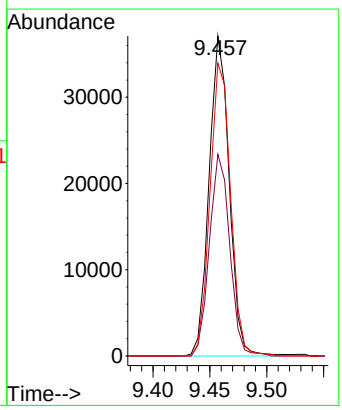
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

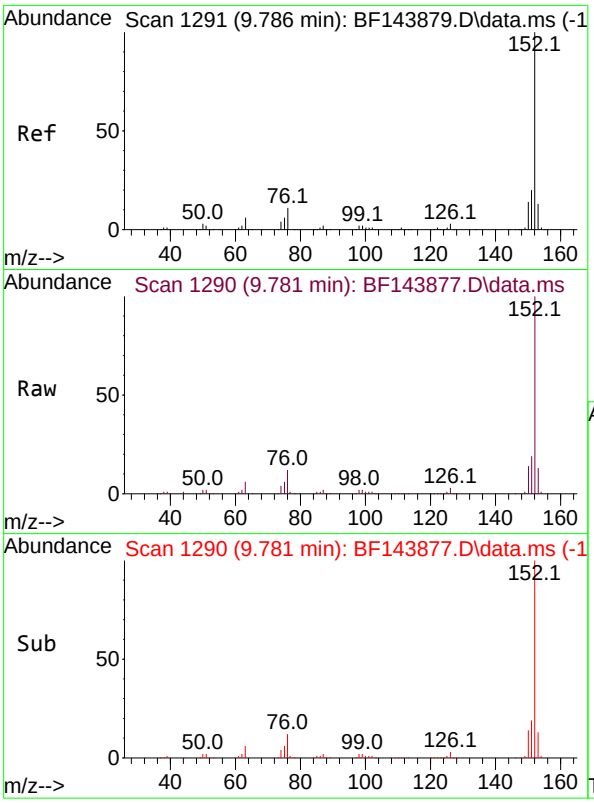


#48
2-Nitroaniline
Concen: 9.219 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 65 Resp: 45663

Ion	Ratio	Lower	Upper
65	100		
92	63.0	52.1	78.1
138	91.5	77.4	116.2

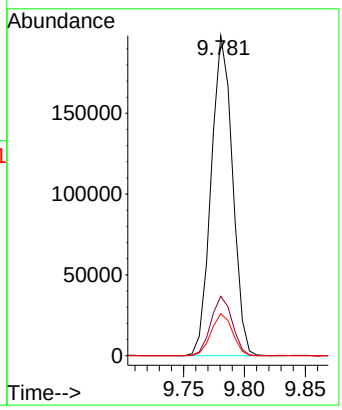




#49
Acenaphthylene
Concen: 10.962 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:152 Resp: 24145

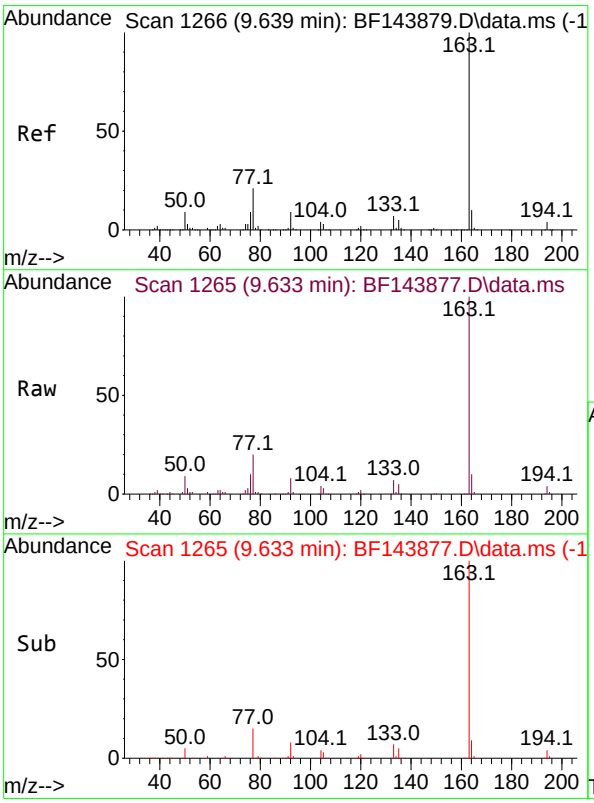
Ion	Ratio	Lower	Upper
152	100		
151	18.5	15.8	23.6
153	13.1	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

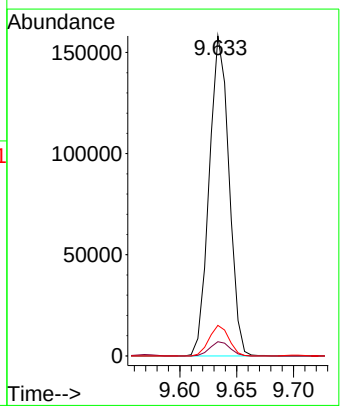
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

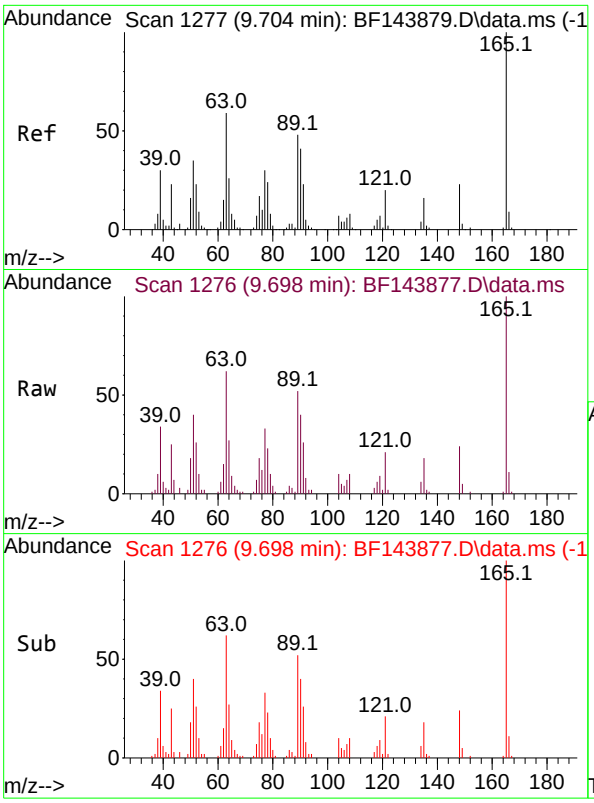


#50
Dimethylphthalate
Concen: 10.638 ng
RT: 9.633 min Scan# 1265
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:163 Resp: 191729

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.3	4.9
164	9.5	8.1	12.1

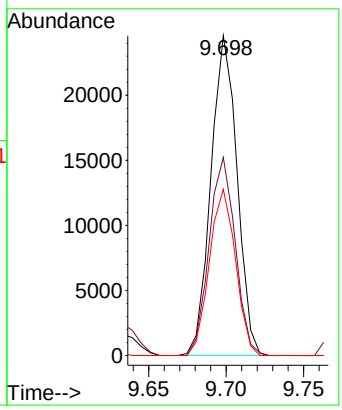




#51
2,6-Dinitrotoluene
Concen: 8.655 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:165 Resp: 2892

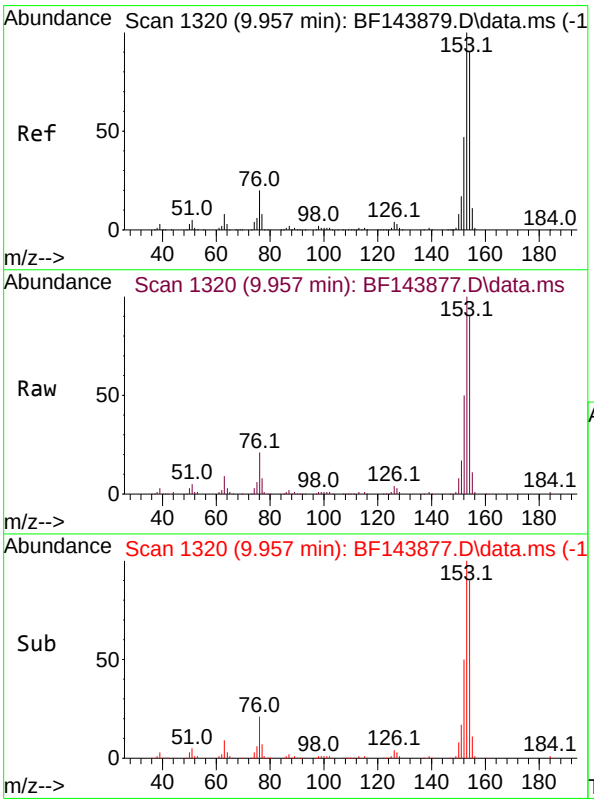
Ion	Ratio	Lower	Upper
165	100		
63	61.9	47.3	70.9
89	52.0	38.2	57.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

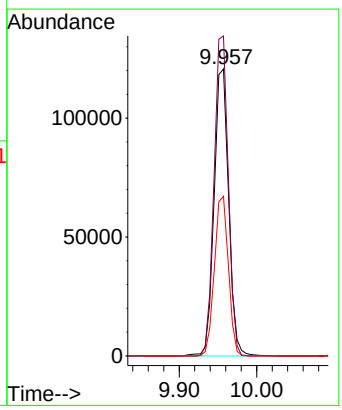
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

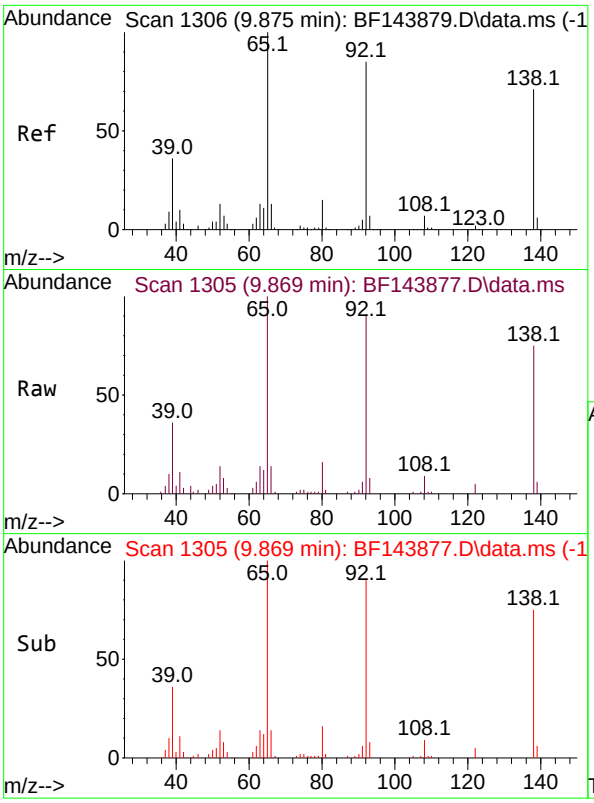


#52
Acenaphthene
Concen: 10.962 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:154 Resp: 158214

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.3	133.9
152	55.6	42.2	63.2

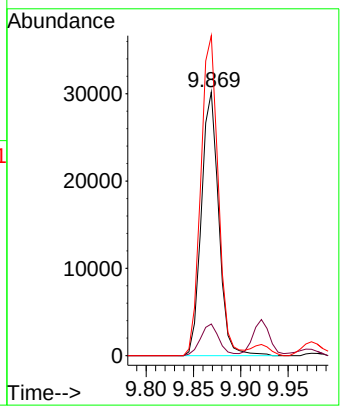




#53
3-Nitroaniline
Concen: 9.380 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:138 Resp: 3838

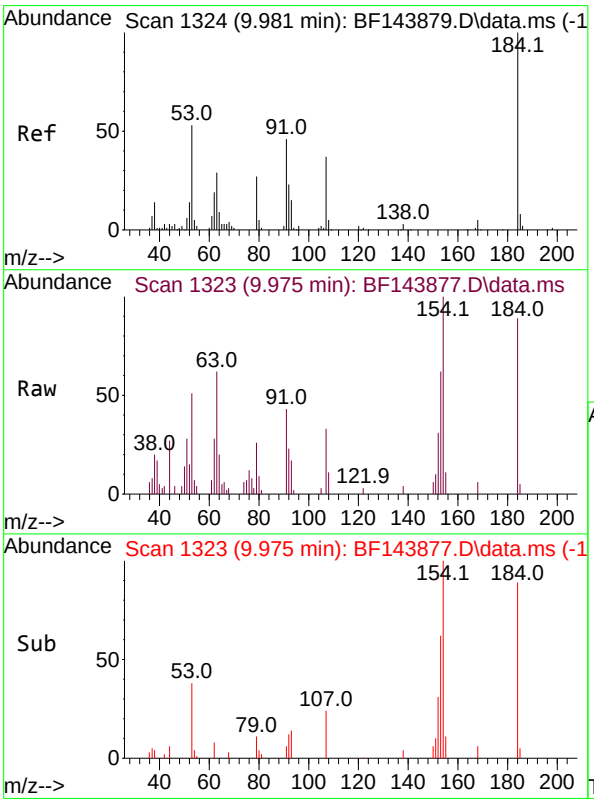
Ion	Ratio	Lower	Upper
138	100		
108	12.0	8.3	12.5
92	121.4	96.2	144.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

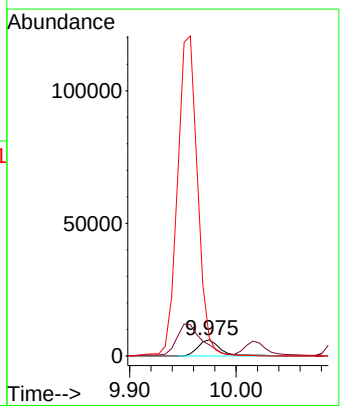
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

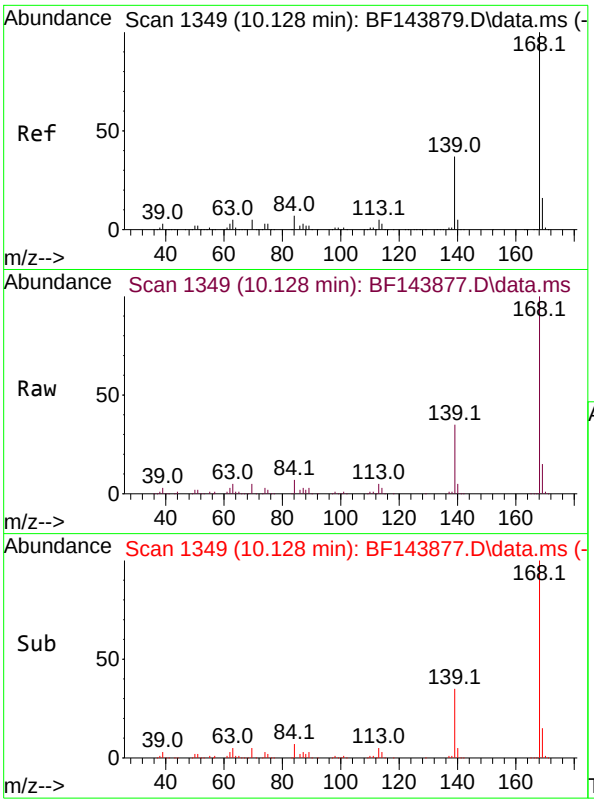


#54
2,4-Dinitrophenol
Concen: 10.761 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.011 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:184 Resp: 8624

Ion	Ratio	Lower	Upper
184	100		
63	69.4	48.2	72.4
154	112.7	49.2	73.8#

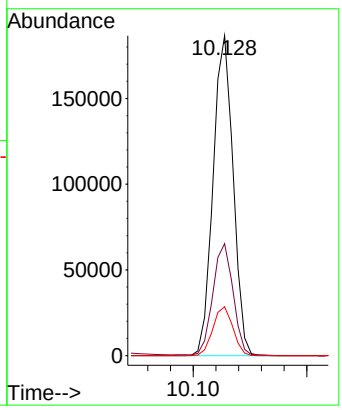




#55
Dibenzofuran
Concen: 11.199 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:168 Resp: 22816

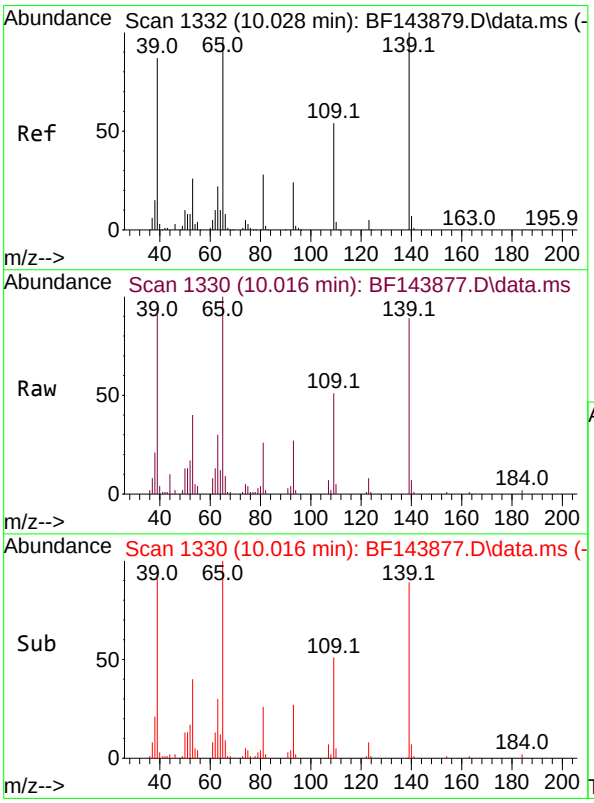
Ion	Ratio	Lower	Upper
168	100		
139	35.0	29.8	44.8
169	15.3	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

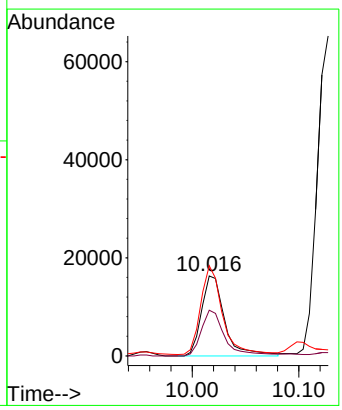
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

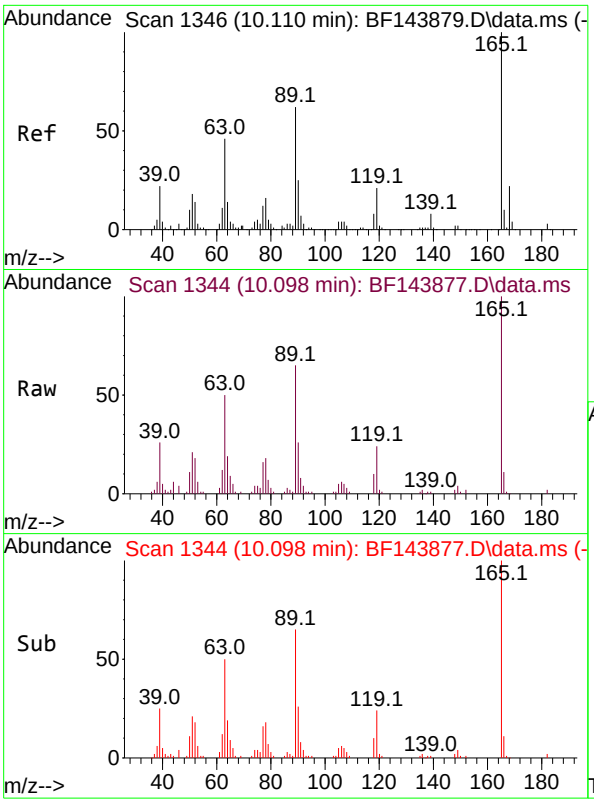


#56
4-Nitrophenol
Concen: 7.934 ng
RT: 10.016 min Scan# 1330
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:139 Resp: 24585

Ion	Ratio	Lower	Upper
139	100		
109	57.1	34.5	74.5
65	112.8	77.6	117.6

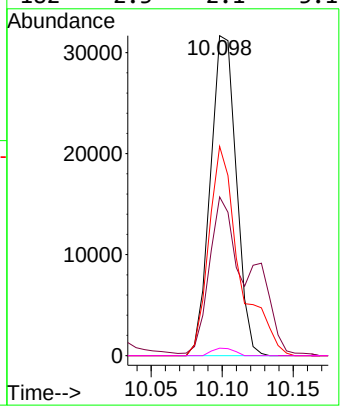




#57
2,4-Dinitrotoluene
Concen: 8.862 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:165 Resp: 4029

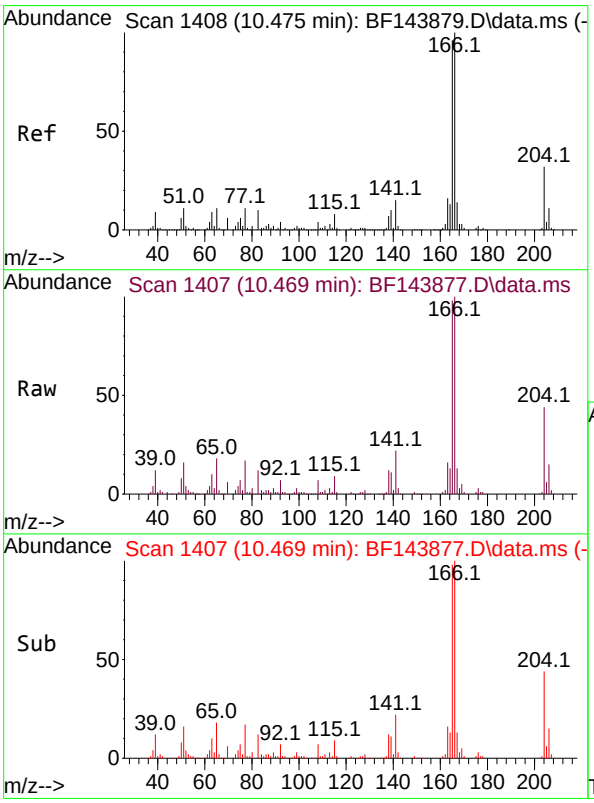
Ion	Ratio	Lower	Upper
165	100		
63	49.6	37.2	55.8
89	65.4	49.4	74.2
182	2.3	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

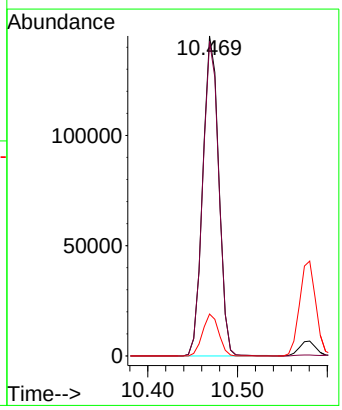
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

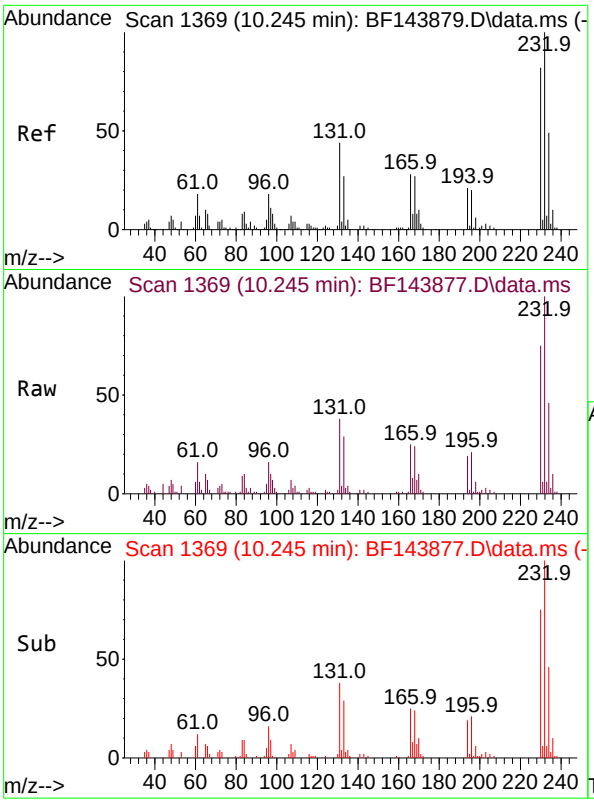


#58
Fluorene
Concen: 11.683 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:166 Resp: 179607

Ion	Ratio	Lower	Upper
166	100		
165	98.2	77.0	115.6
167	13.1	11.1	16.7

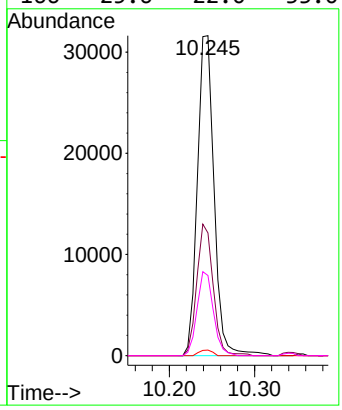




#59
2,3,4,6-Tetrachlorophenol
Concen: 10.041 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:232 Resp: 4305

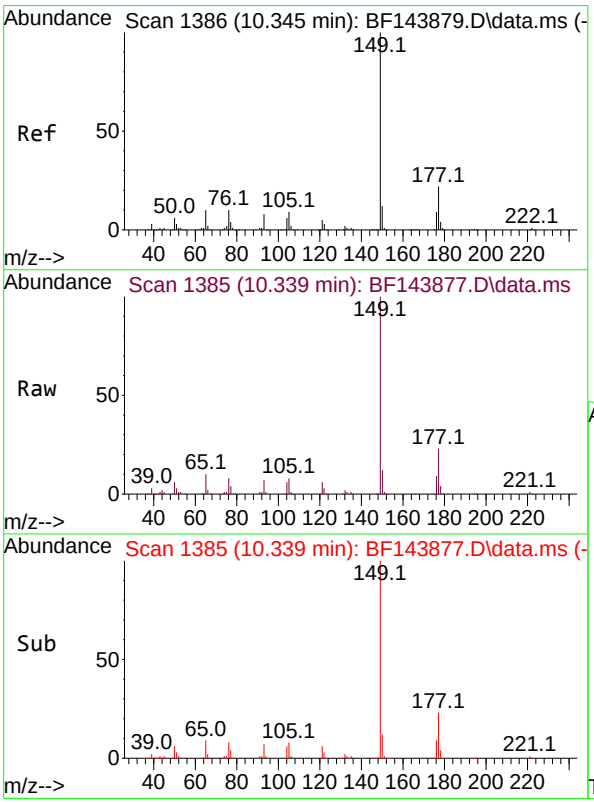
Ion	Ratio	Lower	Upper
232	100		
131	40.3	34.9	52.3
130	1.4	1.6	2.4#
166	25.6	22.0	33.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

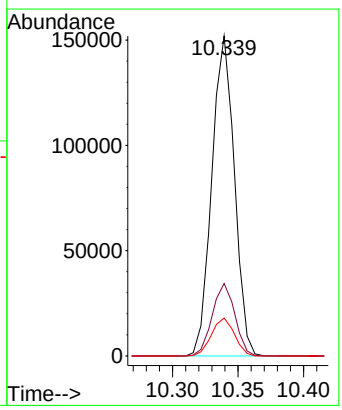
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

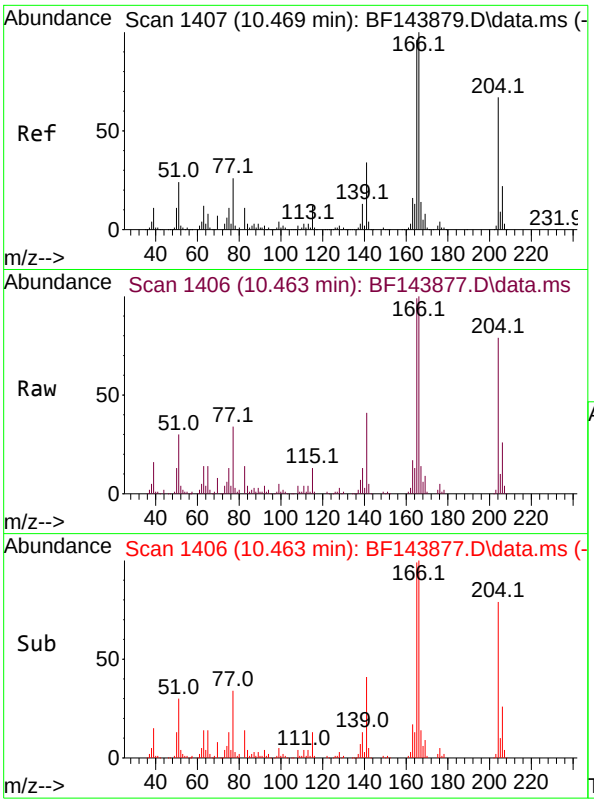


#60
Diethylphthalate
Concen: 10.860 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:149 Resp: 181846

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.9	26.9
150	11.8	9.8	14.8





#61
4-Chlorophenyl-phenylether
Concen: 11.565 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

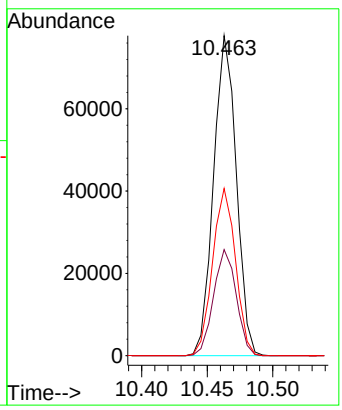
Tgt Ion:204 Resp: 9400

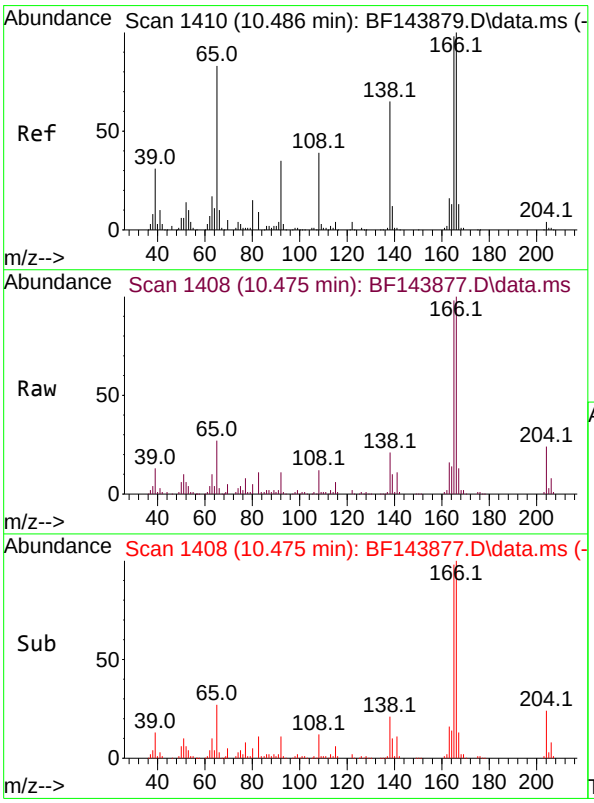
Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.6	40.0
141	52.2	40.4	60.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

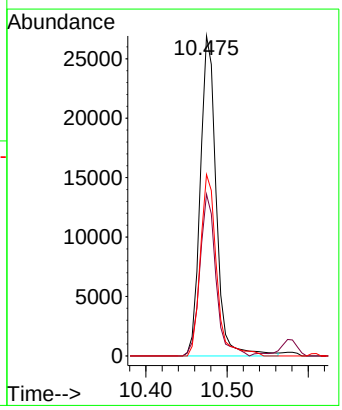


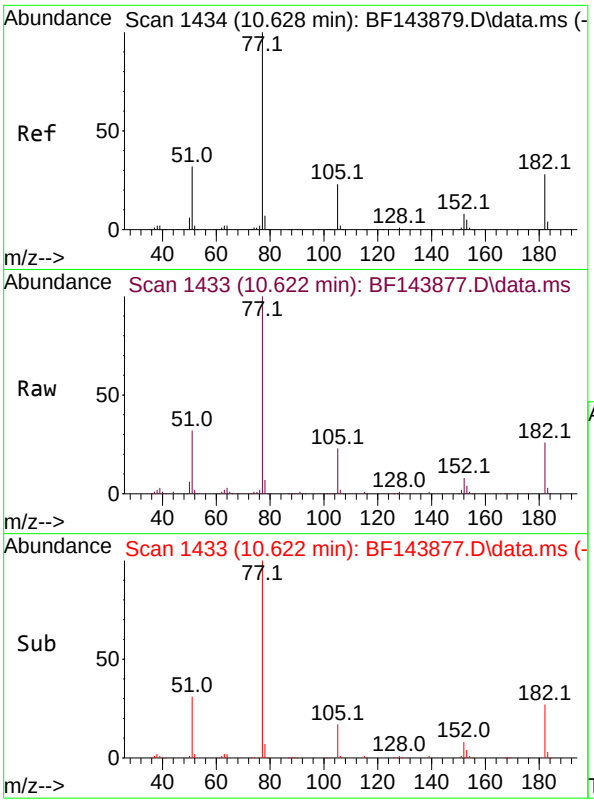


#62
4-Nitroaniline
Concen: 9.322 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.035 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:138 Resp: 36684

Ion	Ratio	Lower	Upper
138	100		
92	50.5	33.9	73.9
108	56.7	40.2	80.2

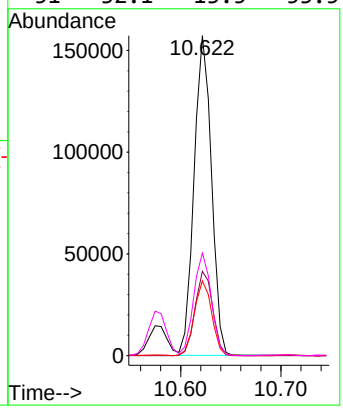




#63
Azobenzene
Concen: 10.794 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 77 Resp: 188888

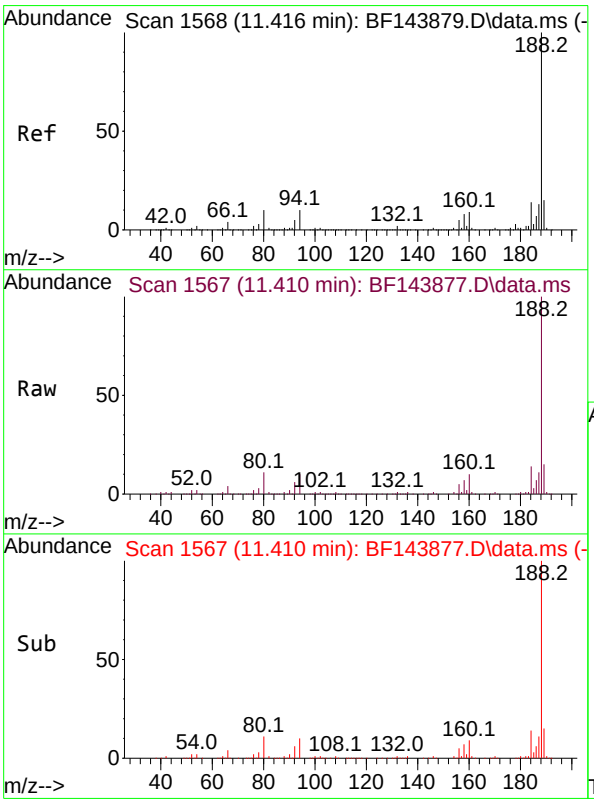
Ion	Ratio	Lower	Upper
77	100		
182	26.3	7.3	47.3
105	23.4	3.0	43.0
51	32.1	13.5	53.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

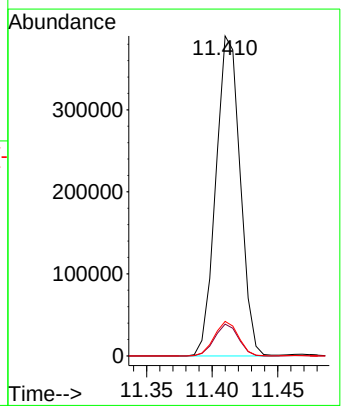
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

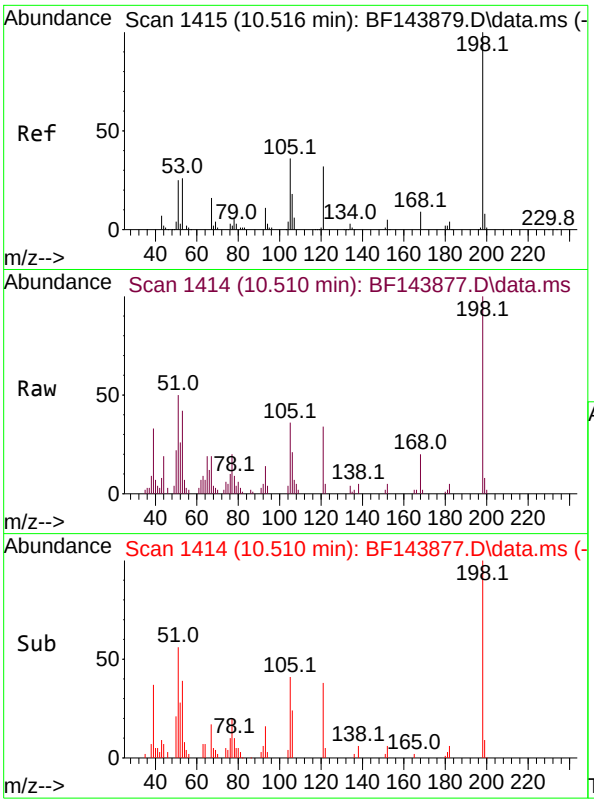


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:188 Resp: 504357

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.8	11.6
80	10.8	7.9	11.9

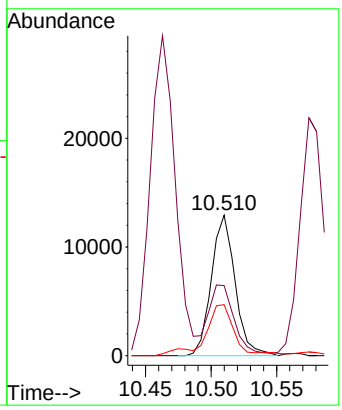




#65
4,6-Dinitro-2-methylphenol
Concen: 6.421 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:198 Resp: 1627

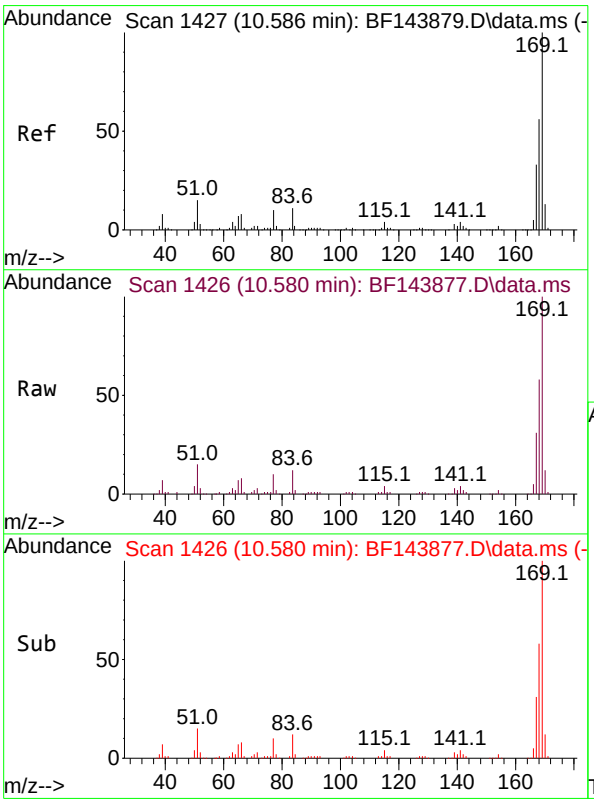
Ion	Ratio	Lower	Upper
198	100		
51	49.9	33.8	73.8
105	36.3	17.0	57.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

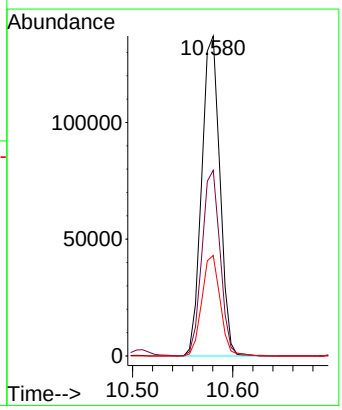
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

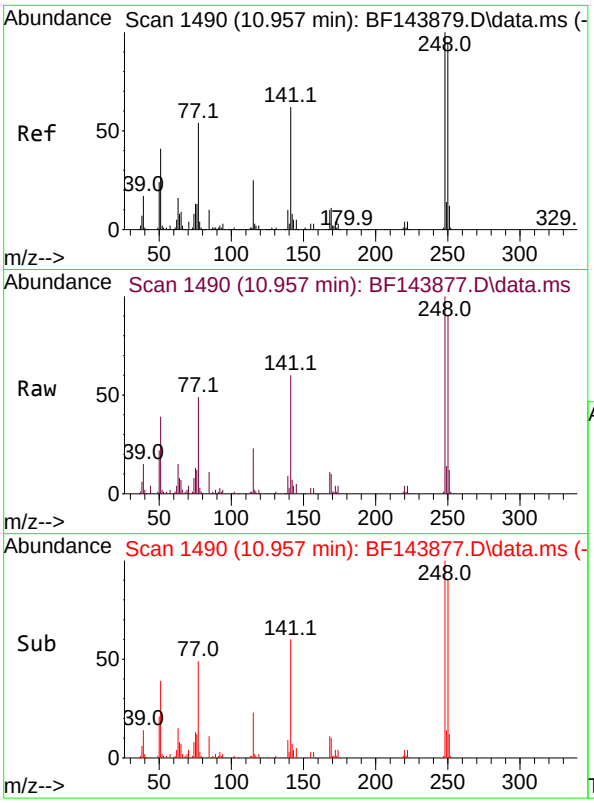


#66
n-Nitrosodiphenylamine
Concen: 10.869 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:169 Resp: 172118

Ion	Ratio	Lower	Upper
169	100		
168	58.0	44.9	67.3
167	31.4	26.3	39.5

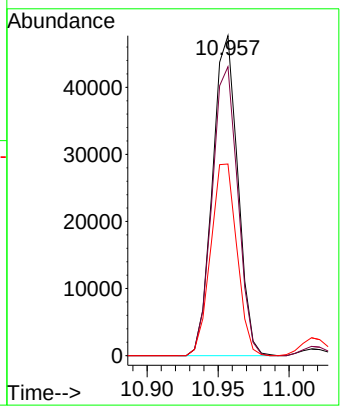




#67
4-Bromophenyl-phenylether
Concen: 10.581 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:248 Resp: 5898

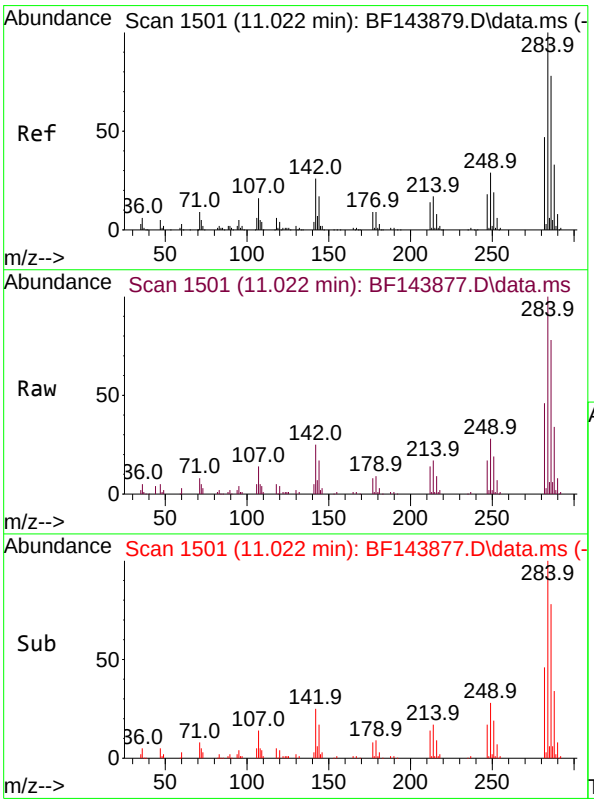
Ion	Ratio	Lower	Upper
248	100		
250	90.3	76.3	114.5
141	59.9	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

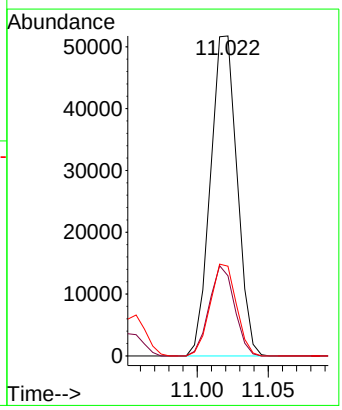
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

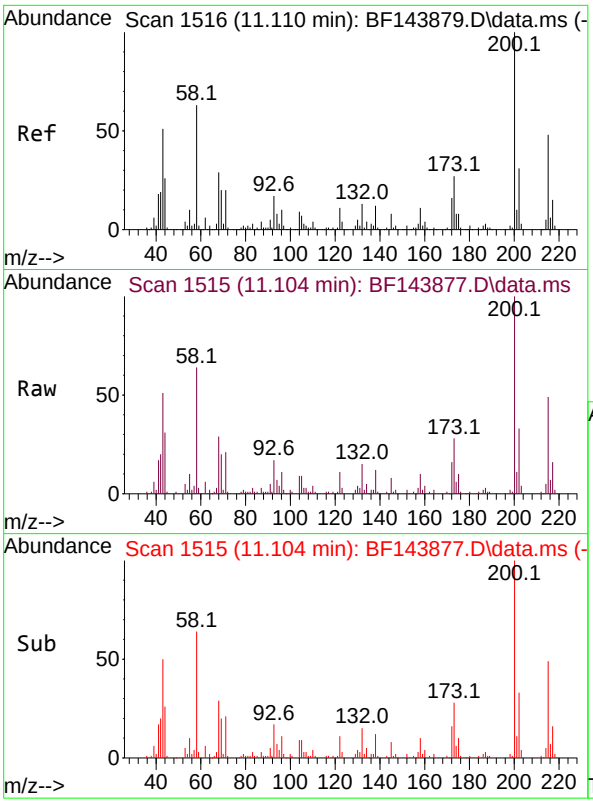


#68
Hexachlorobenzene
Concen: 10.459 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:284 Resp: 67494

Ion	Ratio	Lower	Upper
284	100		
142	25.0	20.6	30.8
249	28.0	23.2	34.8

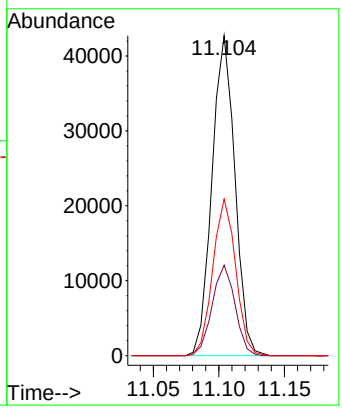




#69
Atrazine
Concen: 10.837 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:200 Resp: 5201

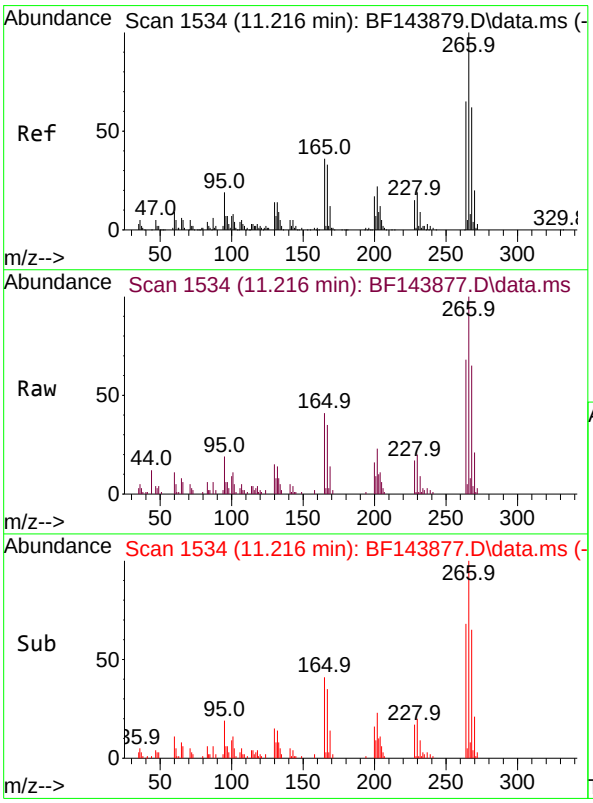
Ion	Ratio	Lower	Upper
200	100		
173	28.2	7.0	47.0
215	48.9	27.8	67.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

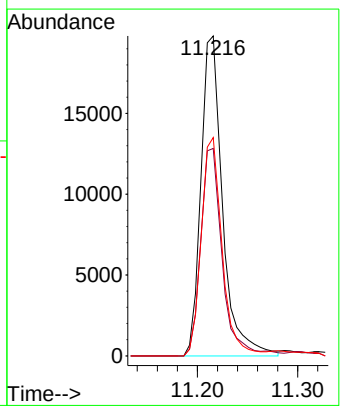
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

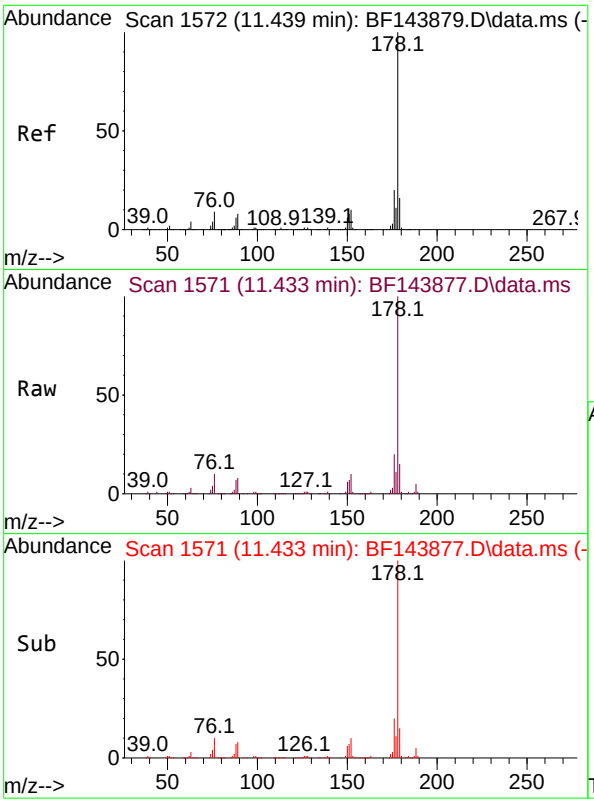


#70
Pentachlorophenol
Concen: 7.989 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:266 Resp: 29608

Ion	Ratio	Lower	Upper
266	100		
268	64.8	49.4	74.0
264	68.2	51.8	77.6

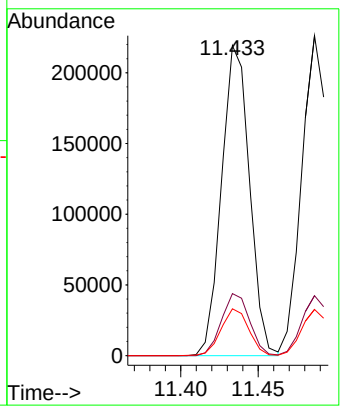




#71
Phenanthrene
Concen: 11.267 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:178 Resp: 27548

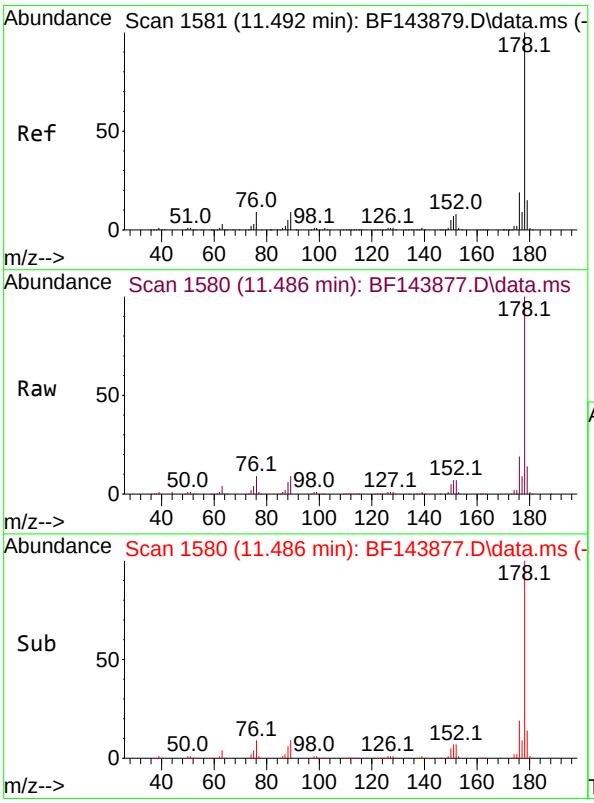
Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.9	23.9
179	15.1	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

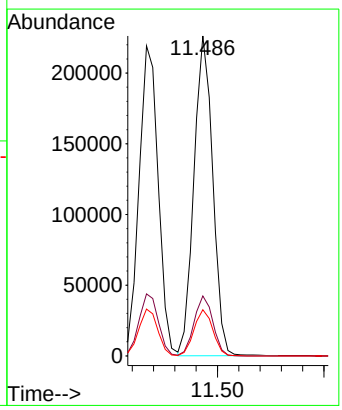
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

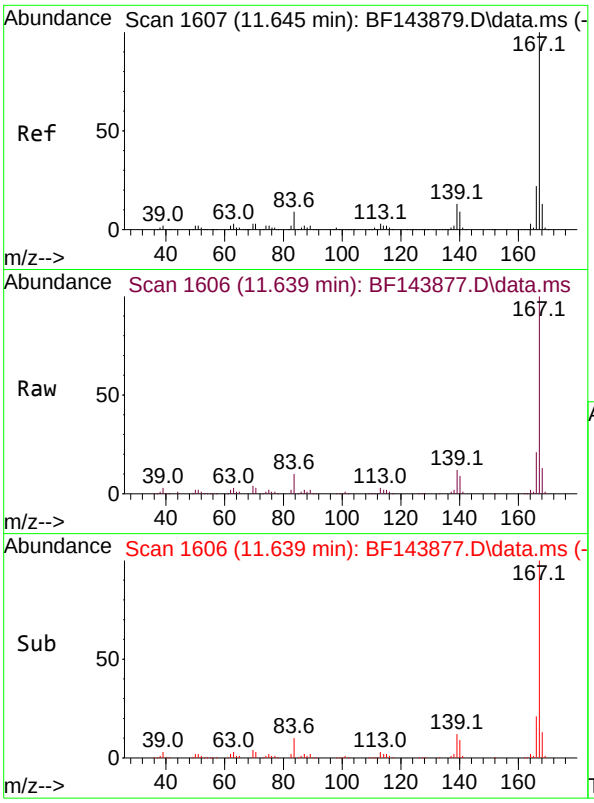


#72
Anthracene
Concen: 11.201 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:178 Resp: 276694

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	14.4	12.2	18.2

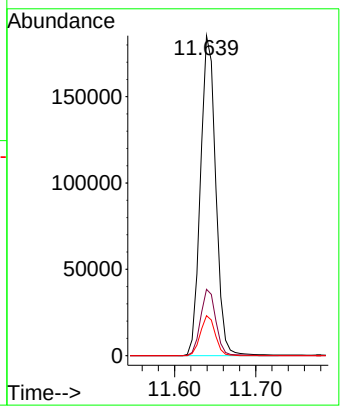




#73
Carbazole
Concen: 11.086 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:167 Resp: 24253

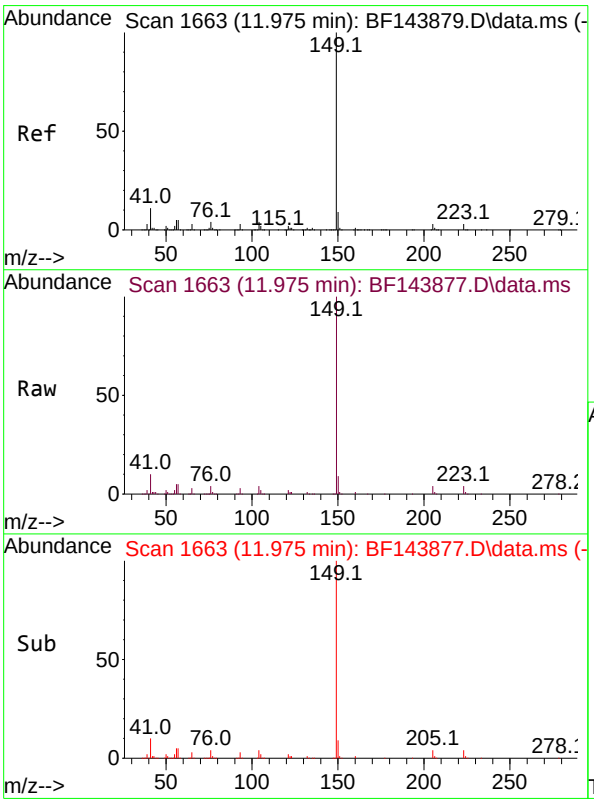
Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.2	25.8
139	12.5	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

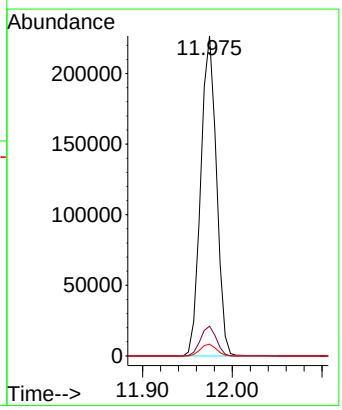
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

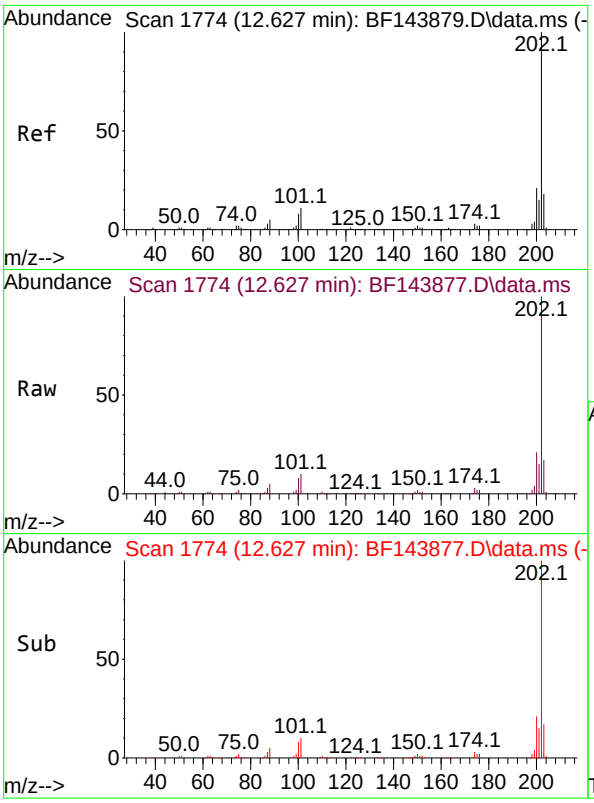


#74
Di-n-butylphthalate
Concen: 10.879 ng
RT: 11.975 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:149 Resp: 275838

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	3.7	3.4	5.2

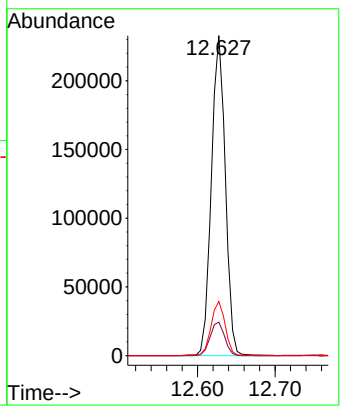




#75
Fluoranthene
Concen: 11.510 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:202 Resp: 29071

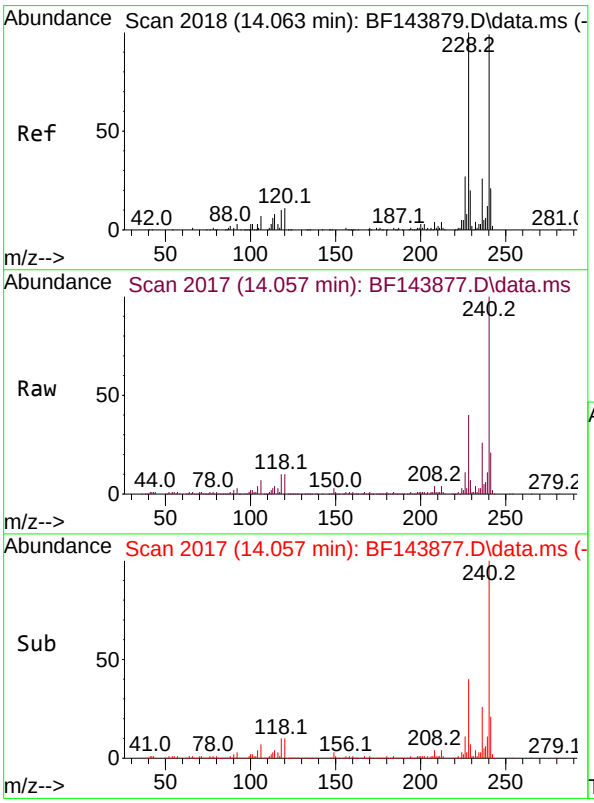
Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.7
203	16.9	0.0	37.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

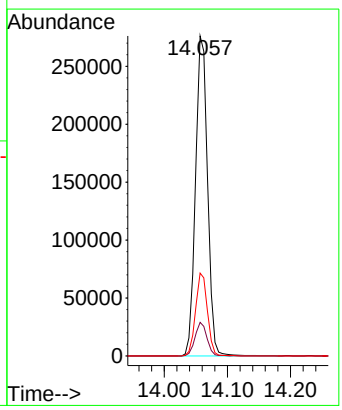
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

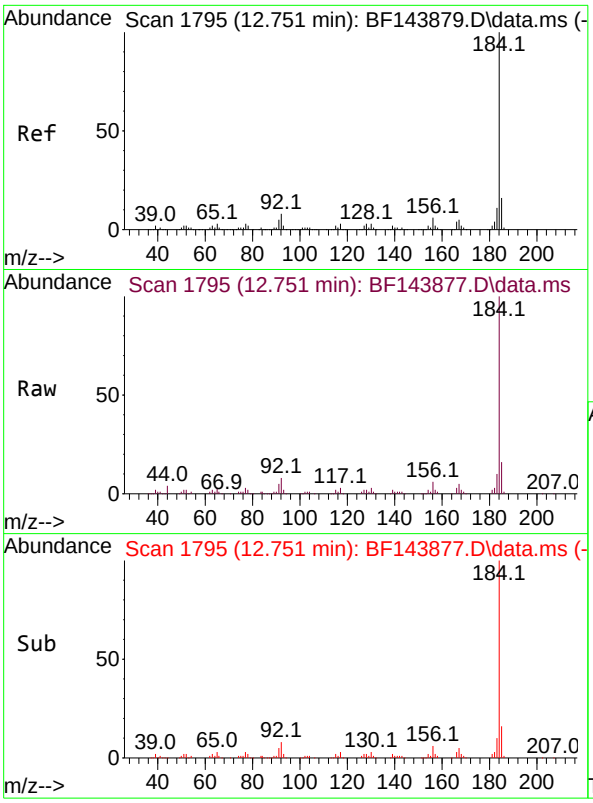


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:240 Resp: 366499

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.6	13.0
236	25.9	21.1	31.7

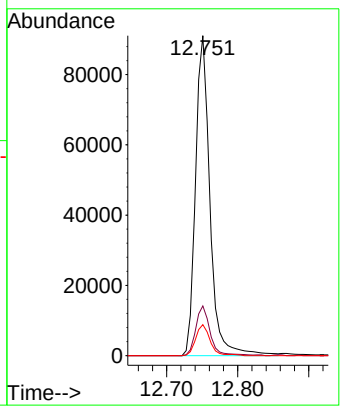




#77
Benzidine
Concen: 10.092 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:184 Resp: 12842

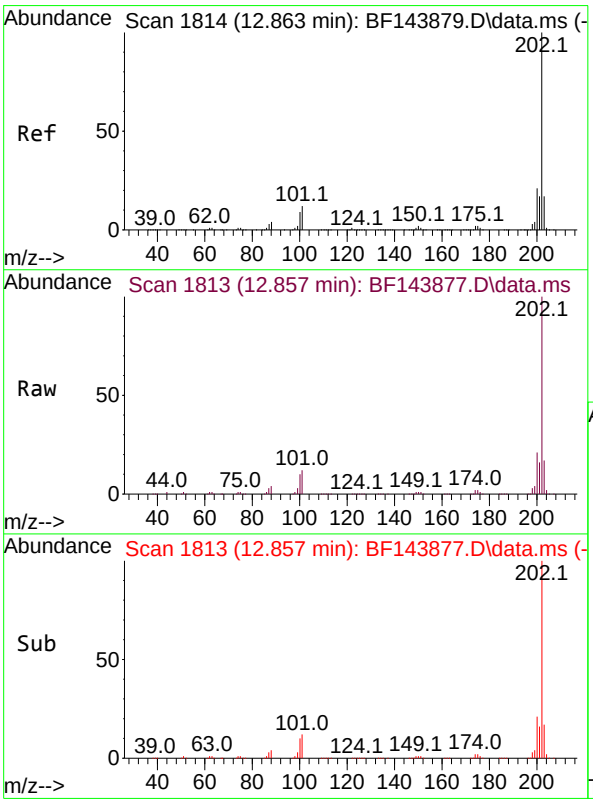
Ion	Ratio	Lower	Upper
184	100		
185	15.5	12.6	18.8
183	9.7	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

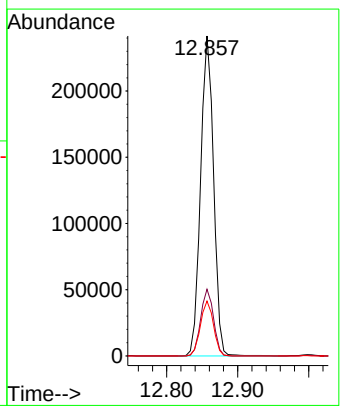
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

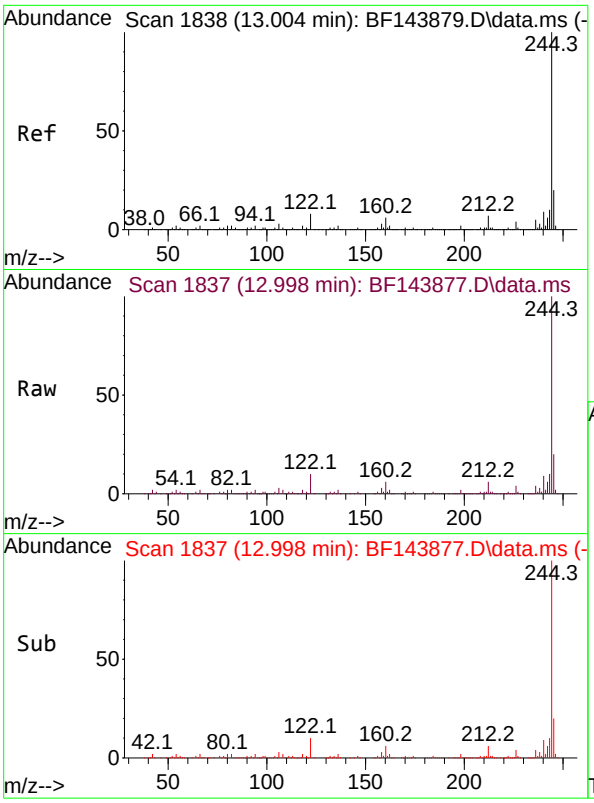


#78
Pyrene
Concen: 9.975 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:202 Resp: 304789

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.6
203	17.1	13.8	20.6

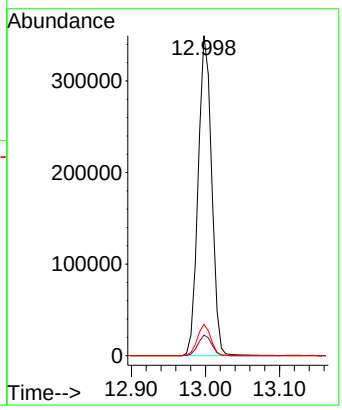




#79
Terphenyl-d14
Concen: 20.657 ng
RT: 12.998 min Scan# 18
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:244 Resp: 442968

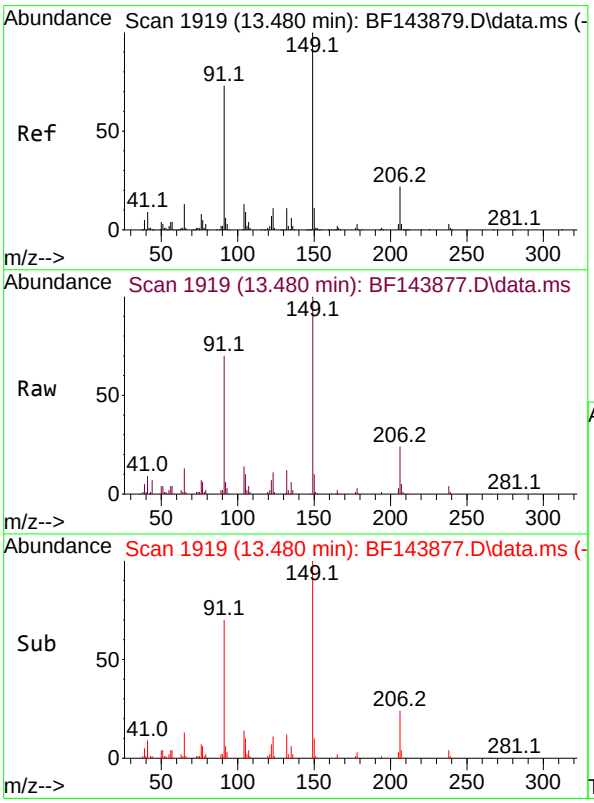
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	9.7	6.4	9.6#



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

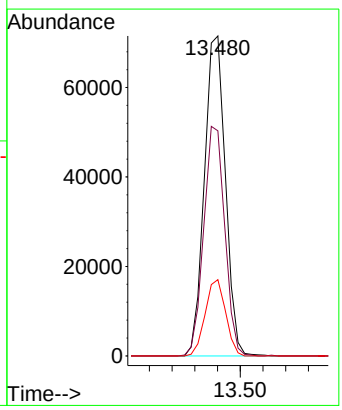
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

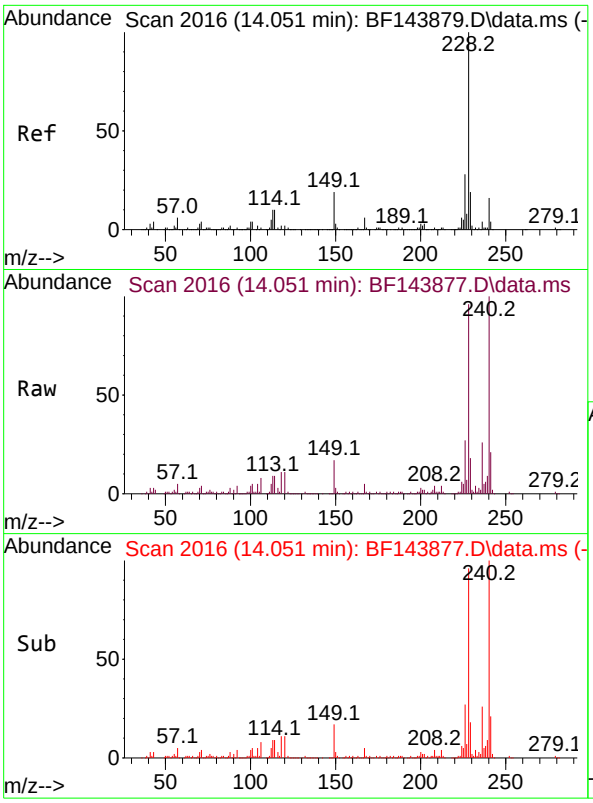


#80
Butylbenzylphthalate
Concen: 9.296 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:149 Resp: 92241

Ion	Ratio	Lower	Upper
149	100		
91	70.3	58.2	87.2
206	23.8	17.9	26.9

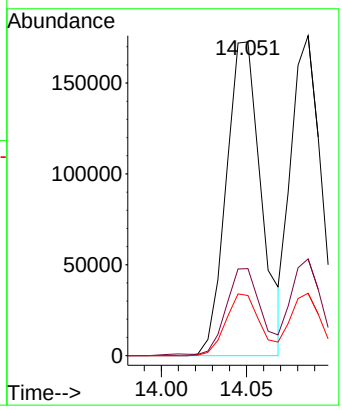




#81
Benzo(a)anthracene
Concen: 10.293 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:228 Resp: 24687

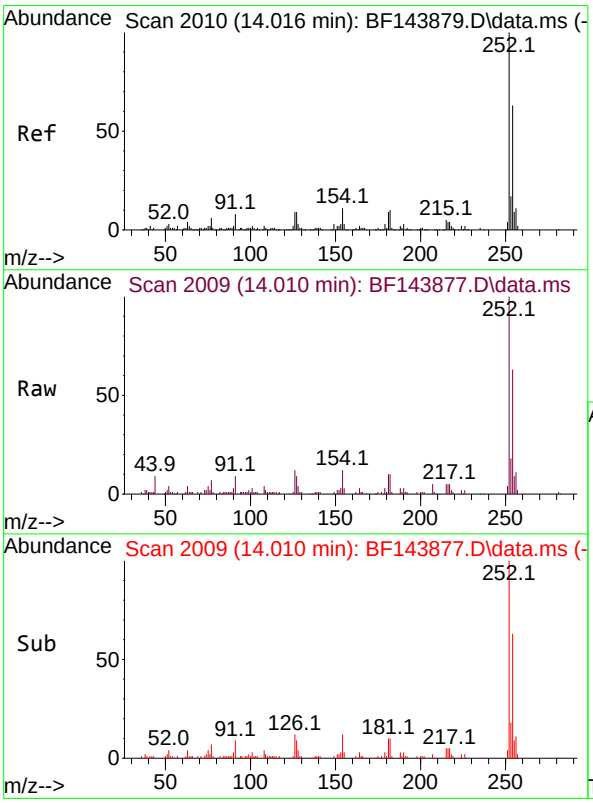
Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.2
229	19.1	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

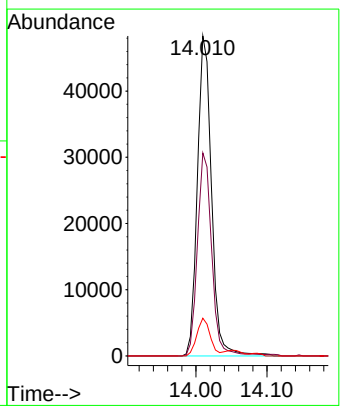
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

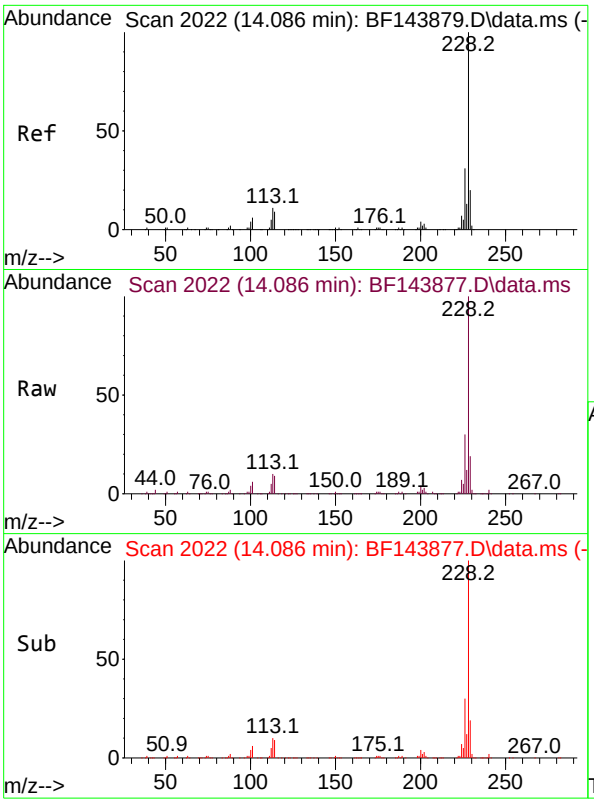


#82
3,3'-Dichlorobenzidine
Concen: 9.129 ng
RT: 14.010 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:252 Resp: 66722

Ion	Ratio	Lower	Upper
252	100		
254	63.4	50.6	76.0
126	11.8	7.0	10.6#

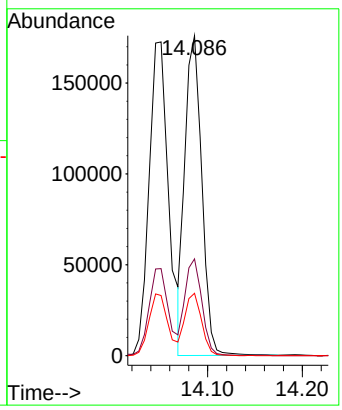




#83
Chrysene
Concen: 9.809 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:228 Resp: 21774

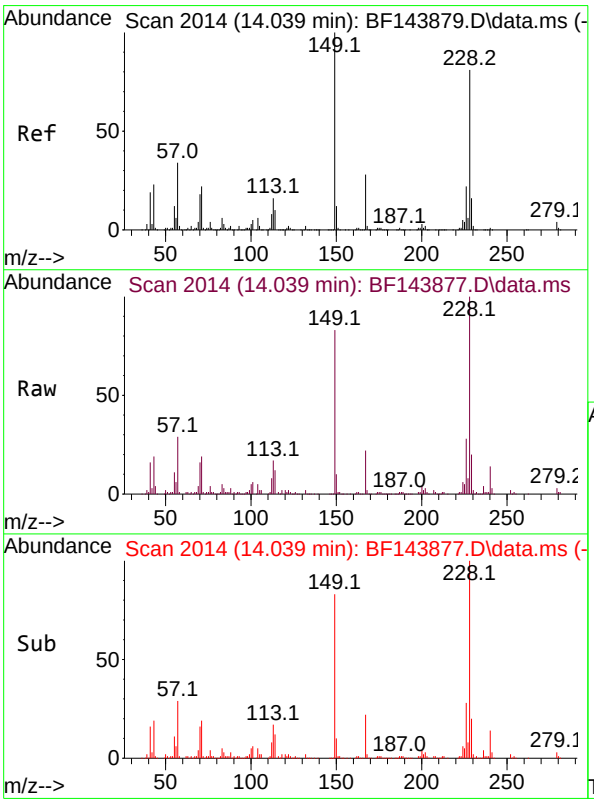
Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.4	36.6
229	19.5	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

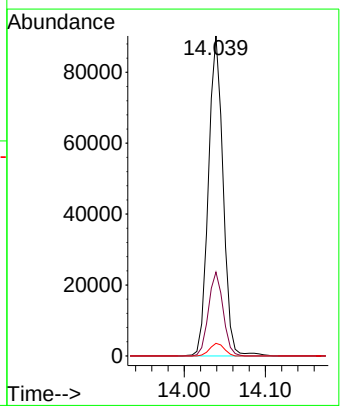
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

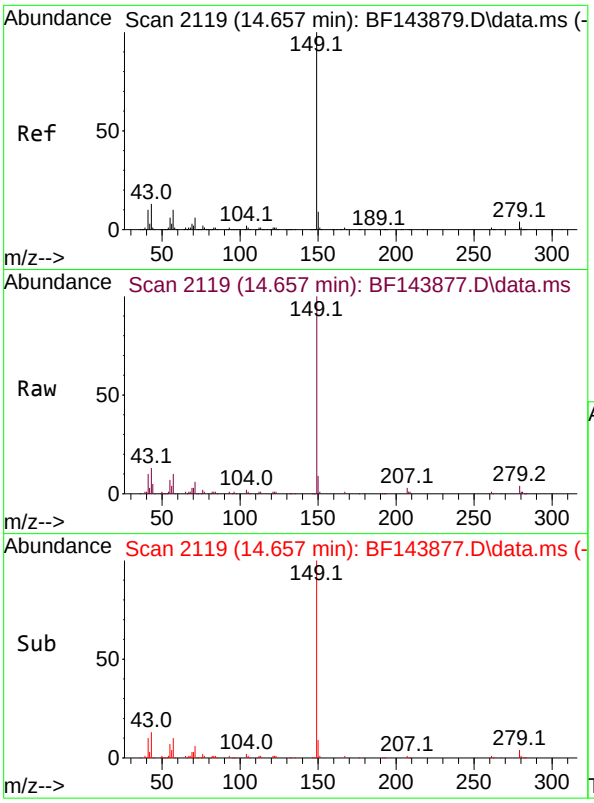


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.483 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:149 Resp: 113431

Ion	Ratio	Lower	Upper
149	100		
167	26.2	22.2	33.4
279	3.9	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 7.810 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

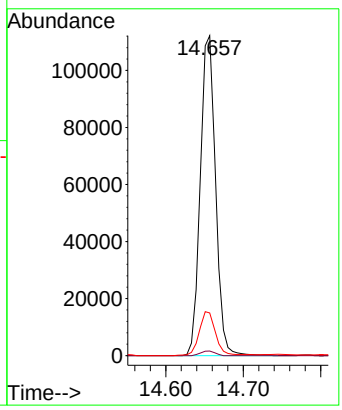
Tgt Ion:149 Resp: 153434

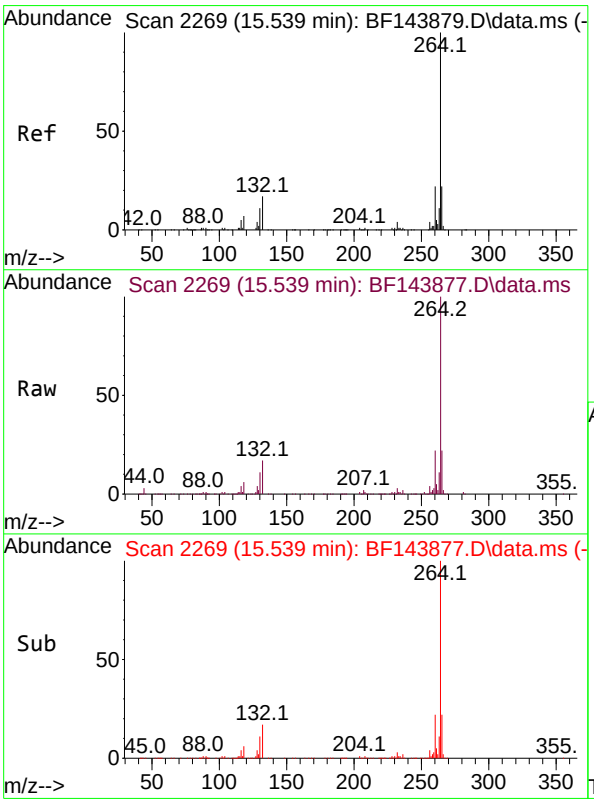
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	14.8	11.0	16.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

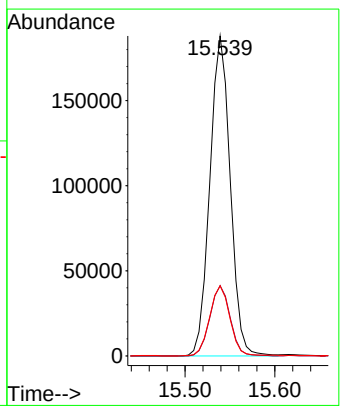


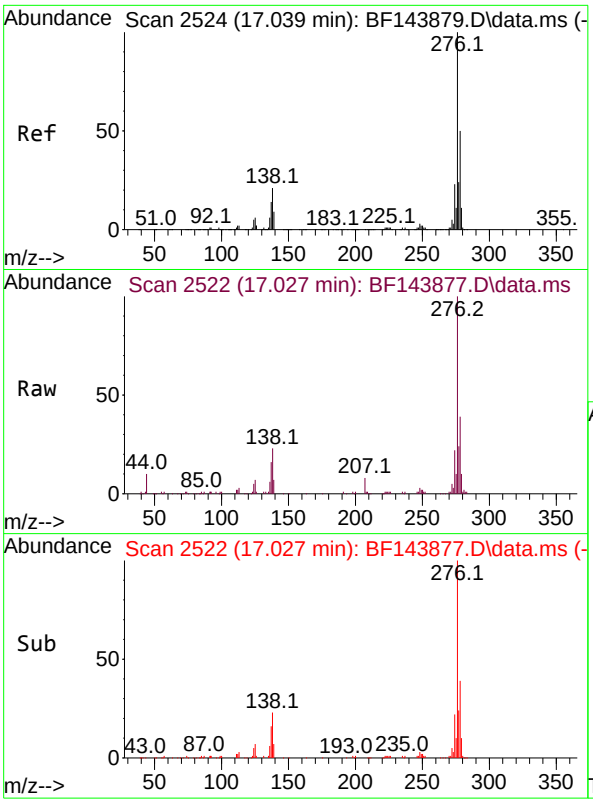


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:264 Resp: 297391

Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.8	26.8
265	21.9	17.5	26.3

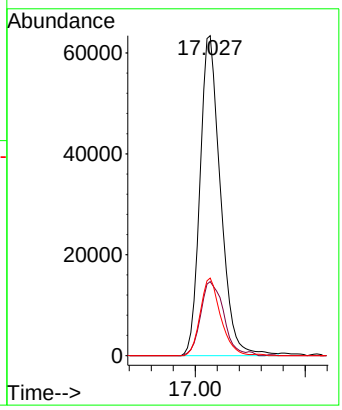




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.011 ng
RT: 17.027 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:276 Resp: 16420

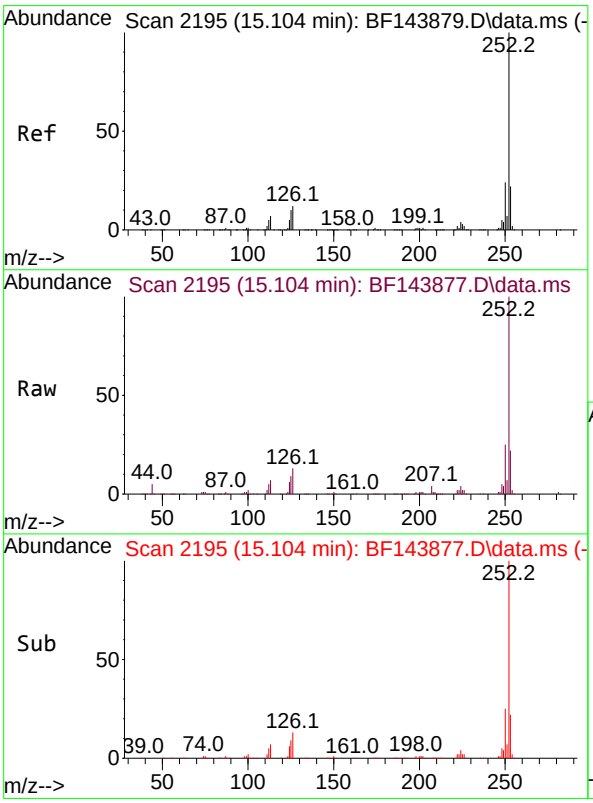
Ion	Ratio	Lower	Upper
276	100		
138	26.2	18.2	27.2
277	24.1	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

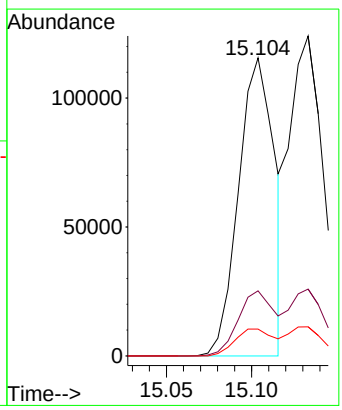
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

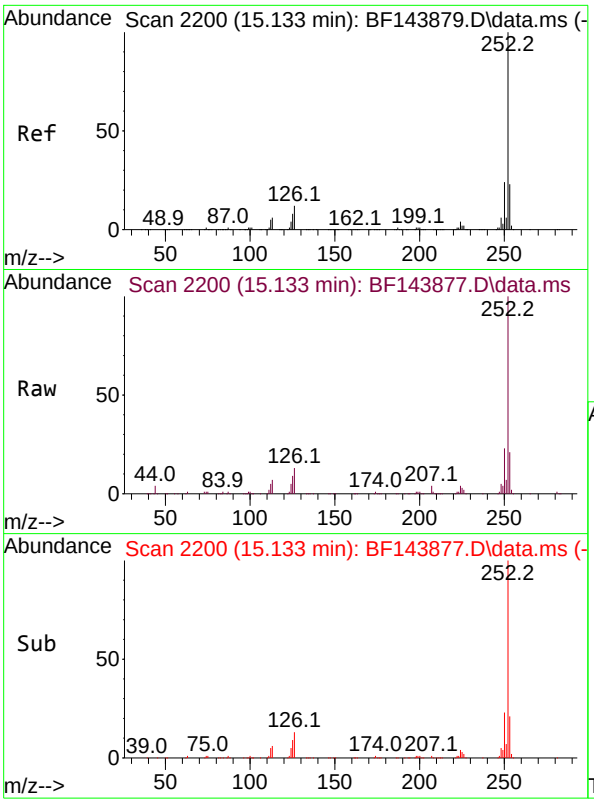


#88
Benzo(b)fluoranthene
Concen: 9.901 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:252 Resp: 169146

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	9.0	7.8	11.6

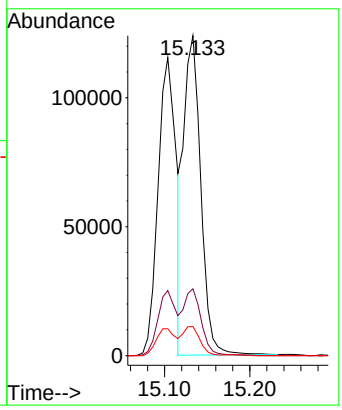




#89
Benzo(k)fluoranthene
Concen: 11.032 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:252 Resp: 17439

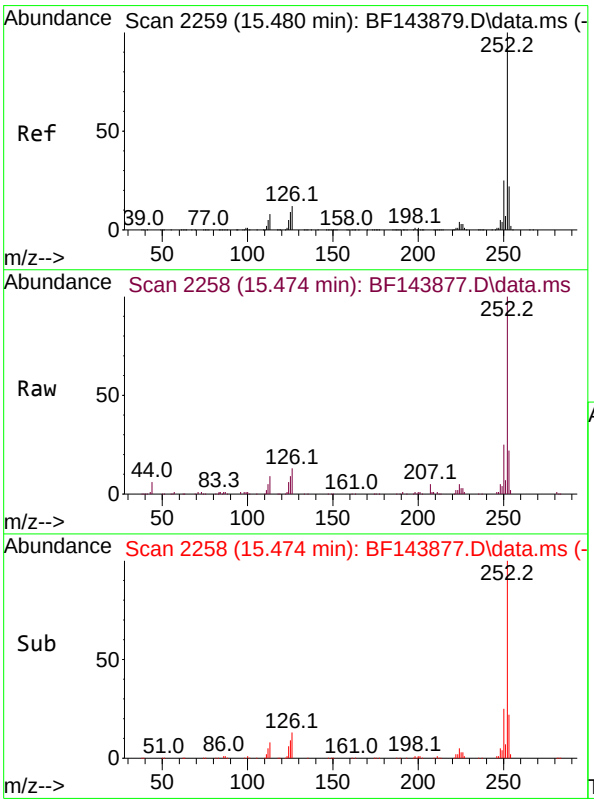
Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.8	26.8
125	9.1	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

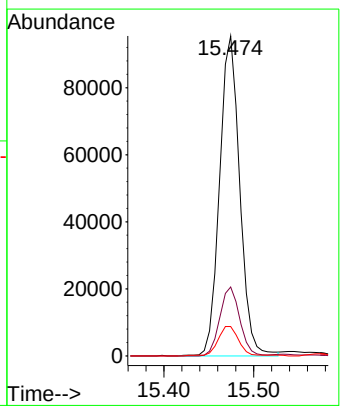
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

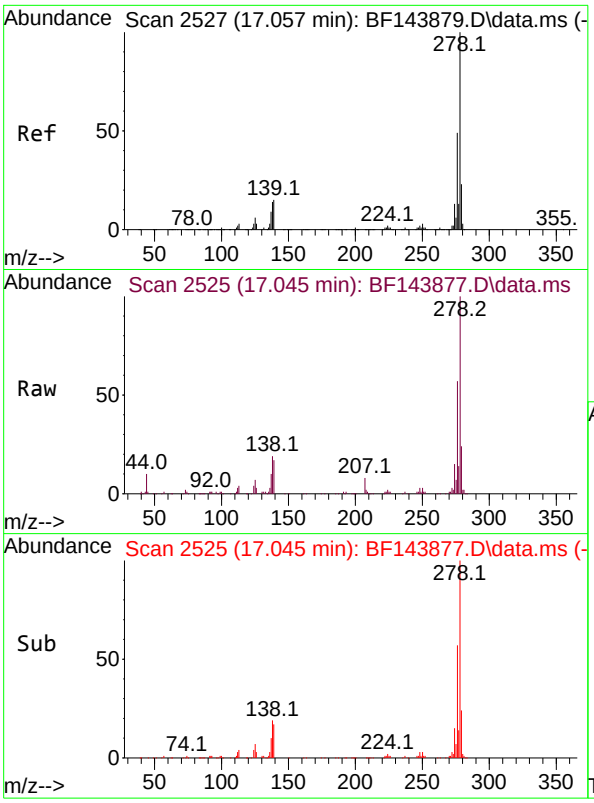


#90
Benzo(a)pyrene
Concen: 10.096 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:252 Resp: 149543

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	9.2	7.0	10.4

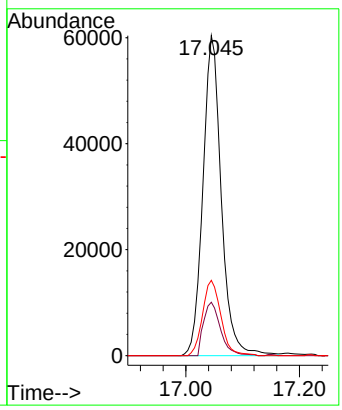




#91
Dibenzo(a,h)anthracene
Concen: 9.279 ng
RT: 17.045 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:278 Resp: 13599

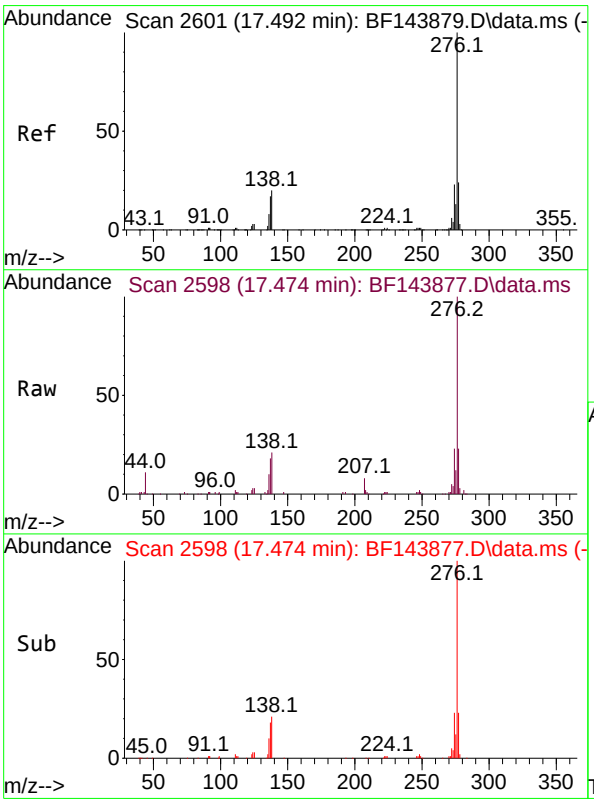
Ion	Ratio	Lower	Upper
278	100		
139	16.7	11.7	17.5
279	23.5	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

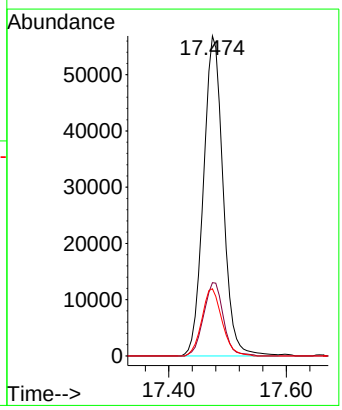
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#92
Benzo(g,h,i)perylene
Concen: 9.012 ng
RT: 17.474 min Scan# 2598
Delta R.T. -0.041 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:276 Resp: 132076

Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.0	28.6
138	21.0	16.1	24.1



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143878.D
Acq On : 06 Oct 2025 11:56
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 15:38:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	144072	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	561772	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	311297	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	536961	20.000	ng		0.00
76) Chrysene-d12	14.063	240	346764	20.000	ng		0.00
86) Perylene-d12	15.539	264	314616	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	389641	42.947	ng		0.00
7) Phenol-d6	6.498	99	461437	42.670	ng		-0.02
23) Nitrobenzene-d5	7.439	82	389584	42.133	ng		-0.02
42) 2,4,6-Tribromophenol	10.710	330	130577	42.114	ng		-0.01
45) 2-Fluorobiphenyl	9.239	172	831185	42.367	ng		-0.01
79) Terphenyl-d14	12.998	244	881486	43.445	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.646	88	86079	20.503	ng		97
3) Pyridine	3.410	79	251988	20.618	ng		99
4) n-Nitrosodimethylamine	3.346	42	128915	20.051	ng		96
6) Aniline	6.540	93	340202	20.994	ng		99
8) 2-Chlorophenol	6.663	128	183611	20.704	ng		99
9) Benzaldehyde	6.434	77	147781	17.715	ng		99
10) Phenol	6.510	94	272100m	21.046	ng		
11) bis(2-Chloroethyl)ether	6.616	93	211296	21.157	ng		100
12) 1,3-Dichlorobenzene	6.822	146	228938	21.566	ng		98
13) 1,4-Dichlorobenzene	6.898	146	225703	21.554	ng		99
14) 1,2-Dichlorobenzene	7.051	146	216196	21.555	ng		98
15) Benzyl Alcohol	7.016	79	164008	20.241	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	471598	20.745	ng		100
17) 2-Methylphenol	7.128	107	151099	20.616	ng		99
18) Hexachloroethane	7.398	117	74147	21.232	ng		97
19) n-Nitroso-di-n-propyla...	7.287	70	151838	20.512	ng		99
20) 3+4-Methylphenols	7.281	107	193273	22.753	ng	#	86
22) Acetophenone	7.287	105	259382	21.837	ng		100
24) Nitrobenzene	7.463	77	218497	21.279	ng		100
25) Isophorone	7.698	82	397606	20.393	ng		99
26) 2-Nitrophenol	7.781	139	91336	20.747	ng		96
27) 2,4-Dimethylphenol	7.810	122	163783	20.682	ng		98
28) bis(2-Chloroethoxy)met...	7.910	93	260252	21.131	ng		98
29) 2,4-Dichlorophenol	8.016	162	175934	21.328	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	172265	21.234	ng		98
31) Naphthalene	8.186	128	545971	21.365	ng		99
32) Benzoic acid	7.892	122	98172m	17.912	ng		
33) 4-Chloroaniline	8.233	127	200545	20.924	ng		98
34) Hexachlorobutadiene	8.304	225	118056	20.941	ng		98
35) Caprolactam	8.586	113	51159	19.505	ng		97
36) 4-Chloro-3-methylphenol	8.704	107	162629	20.524	ng		97
37) 2-Methylnaphthalene	8.875	142	367401	21.583	ng		99
38) 1-Methylnaphthalene	8.975	142	353459	21.407	ng		97
40) 1,2,4,5-Tetrachloroben...	9.045	216	185181	21.523	ng		98
41) Hexachlorocyclopentadiene	9.033	237	67128	18.807	ng		98
43) 2,4,6-Trichlorophenol	9.151	196	132747	21.116	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143878.D
Acq On : 06 Oct 2025 11:56
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 06 15:38:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	143043	21.532	ng		98
46) 1,1'-Biphenyl	9.339	154	450706	21.868	ng		100
47) 2-Chloronaphthalene	9.369	162	372531	21.679	ng		96
48) 2-Nitroaniline	9.457	65	115519	21.263	ng		98
49) Acenaphthylene	9.780	152	512980	21.234	ng		100
50) Dimethylphthalate	9.639	163	415359	21.011	ng		100
51) 2,6-Dinitrotoluene	9.698	165	76360	20.831	ng		96
52) Acenaphthene	9.957	154	341066	21.545	ng		99
53) 3-Nitroaniline	9.869	138	95127	21.194	ng		99
54) 2,4-Dinitrophenol	9.975	184	29199	18.734	ng	#	67
55) Dibenzofuran	10.128	168	489250	21.894	ng		98
56) 4-Nitrophenol	10.022	139	66930	19.694	ng		97
57) 2,4-Dinitrotoluene	10.104	165	106136	21.280	ng		99
58) Fluorene	10.469	166	365206	21.659	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.245	232	98138	20.869	ng		99
60) Diethylphthalate	10.339	149	396233	21.575	ng		100
61) 4-Chlorophenyl-phenyle...	10.463	204	194875	21.860	ng		97
62) 4-Nitroaniline	10.480	138	88594	20.526	ng		98
63) Azobenzene	10.622	77	407261	21.218	ng		99
65) 4,6-Dinitro-2-methylph...	10.510	198	49405	18.309	ng		100
66) n-Nitrosodiphenylamine	10.580	169	362217	21.484	ng		98
67) 4-Bromophenyl-phenylether	10.957	248	123882	20.876	ng		98
68) Hexachlorobenzene	11.022	284	141316	20.570	ng		99
69) Atrazine	11.104	200	114492	22.405	ng		99
70) Pentachlorophenol	11.216	266	81624	20.687	ng		95
71) Phenanthrene	11.439	178	572157	21.979	ng		98
72) Anthracene	11.486	178	567724	21.588	ng		100
73) Carbazole	11.639	167	504282	21.651	ng		99
74) Di-n-butylphthalate	11.974	149	595140	22.047	ng		99
75) Fluoranthene	12.627	202	587348	21.843	ng		98
77) Benzidine	12.751	184	249358	20.710	ng		97
78) Pyrene	12.857	202	613300	21.215	ng		99
80) Butylbenzylphthalate	13.480	149	200832	21.391	ng		97
81) Benzo(a)anthracene	14.051	228	469566	20.693	ng		100
82) 3,3'-Dichlorobenzidine	14.010	252	139822	20.219	ng	#	96
83) Chrysene	14.086	228	439378	20.920	ng		99
84) Bis(2-ethylhexyl)phtha...	14.039	149	238132	21.041	ng		100
85) Di-n-octyl phthalate	14.657	149	349721	18.814	ng		100
87) Indeno(1,2,3-cd)pyrene	17.027	276	384441	19.942	ng		97
88) Benzo(b)fluoranthene	15.104	252	355882	19.692	ng		99
89) Benzo(k)fluoranthene	15.133	252	386399	23.106	ng		98
90) Benzo(a)pyrene	15.474	252	326291	20.822	ng		98
91) Dibenzo(a,h)anthracene	17.051	278	319216	20.589	ng		99
92) Benzo(g,h,i)perylene	17.480	276	309120	19.937	ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

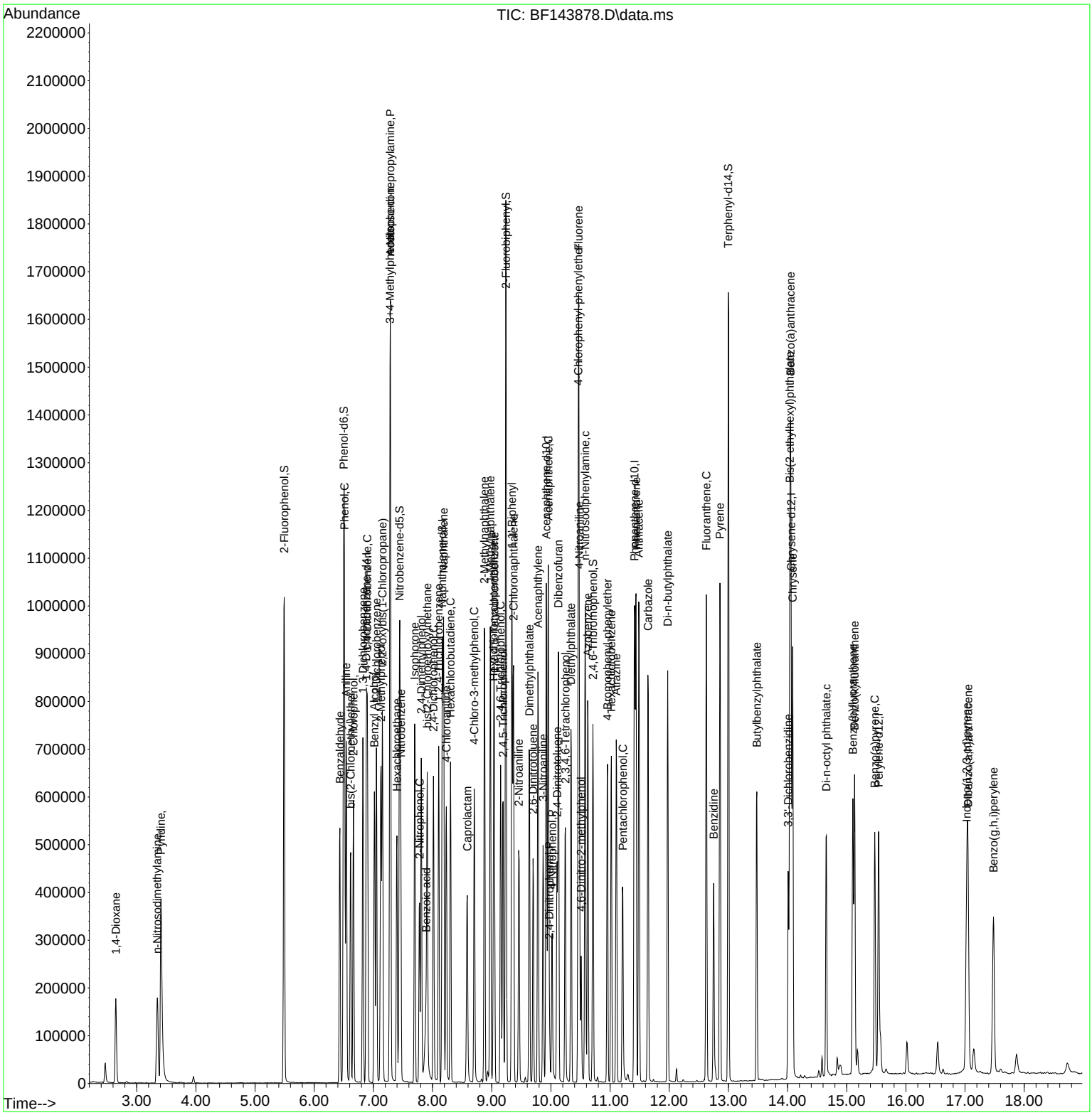
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143878.D
Acq On : 06 Oct 2025 11:56
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

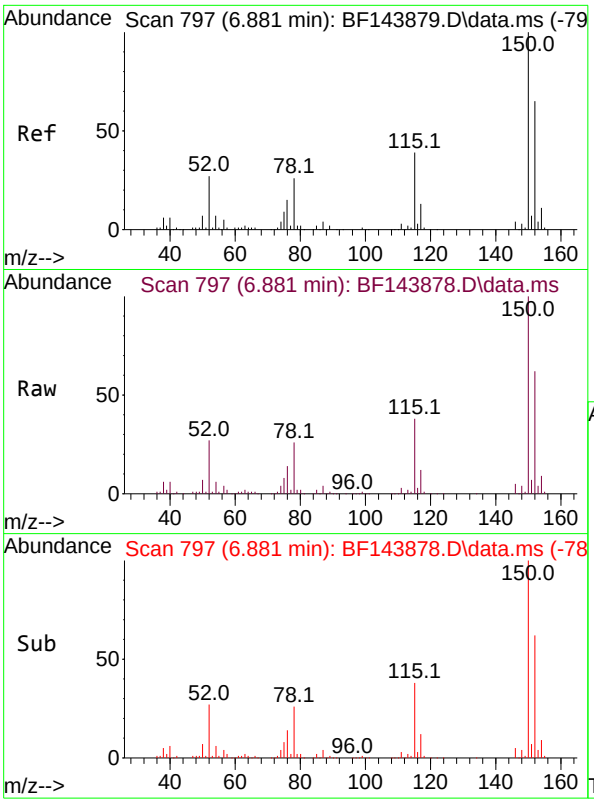
Quant Time: Oct 06 15:38:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

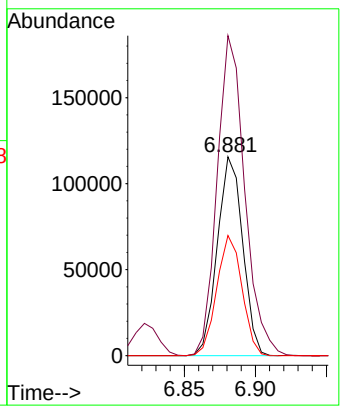




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:152 Resp: 144071

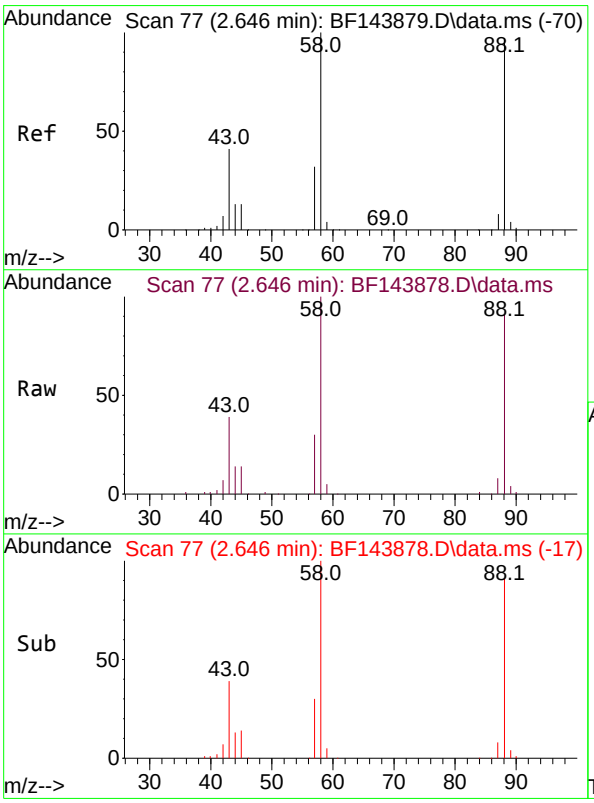
Ion	Ratio	Lower	Upper
152	100		
150	160.9	124.4	186.6
115	60.4	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

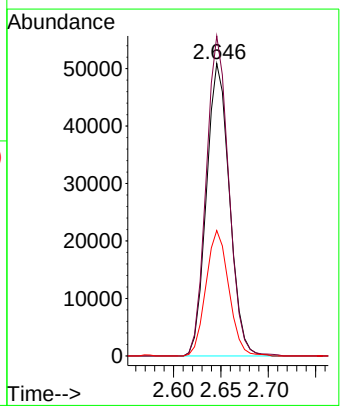
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

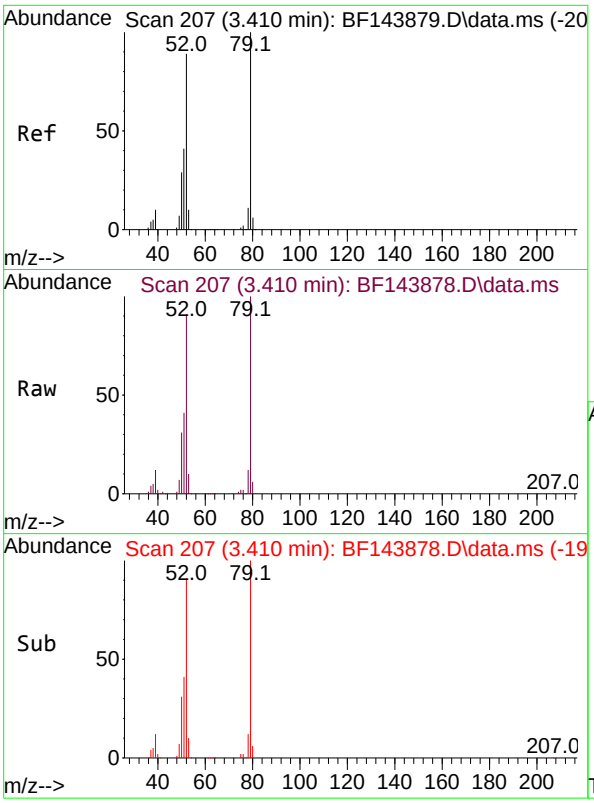


#2
1,4-Dioxane
Concen: 20.503 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 88 Resp: 86079

Ion	Ratio	Lower	Upper
88	100		
58	107.3	83.0	124.6
43	42.6	33.9	50.9

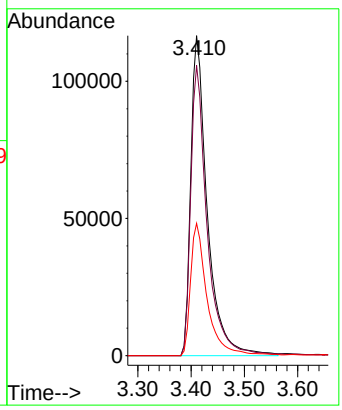




#3
Pyridine
Concen: 20.618 ng
RT: 3.410 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 79 Resp: 25198

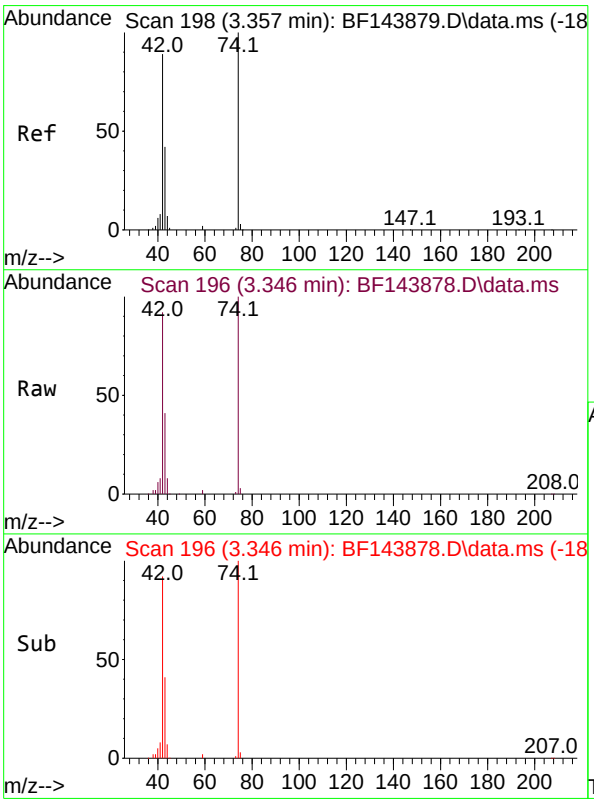
Ion	Ratio	Lower	Upper
79	100		
52	90.7	71.5	107.3
51	41.3	32.9	49.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

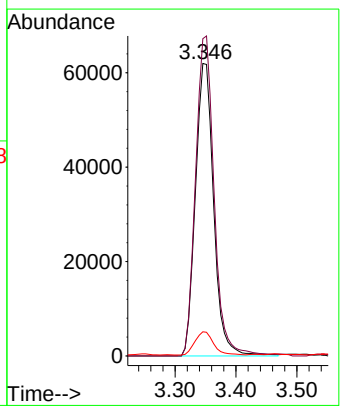
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

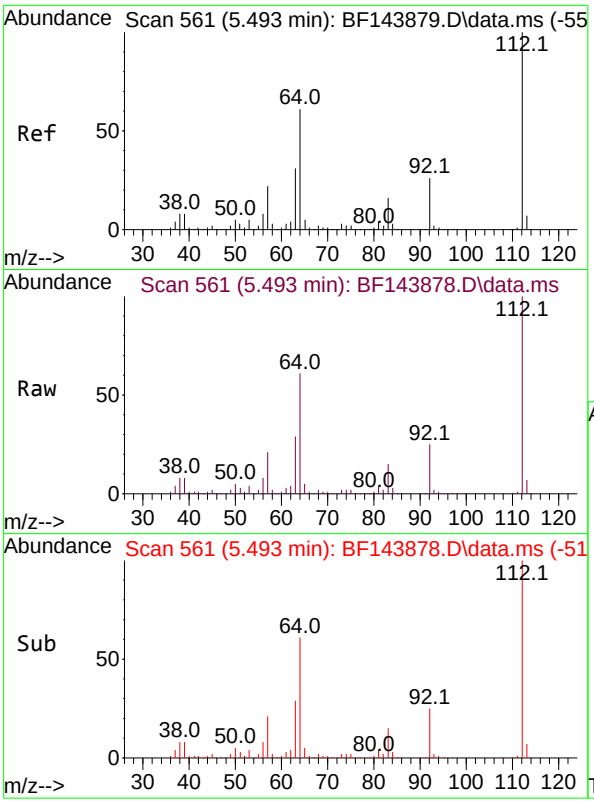


#4
n-Nitrosodimethylamine
Concen: 20.051 ng
RT: 3.346 min Scan# 196
Delta R.T. -0.041 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 42 Resp: 128915

Ion	Ratio	Lower	Upper
42	100		
74	108.5	90.0	135.0
44	8.2	6.2	9.2

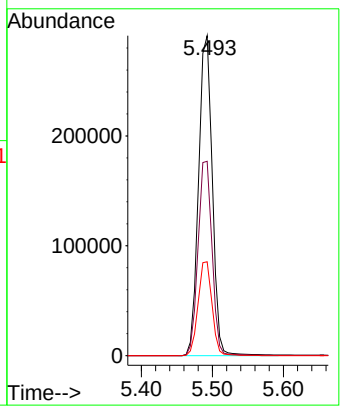




#5
2-Fluorophenol
Concen: 42.947 ng
RT: 5.493 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:112 Resp: 38964

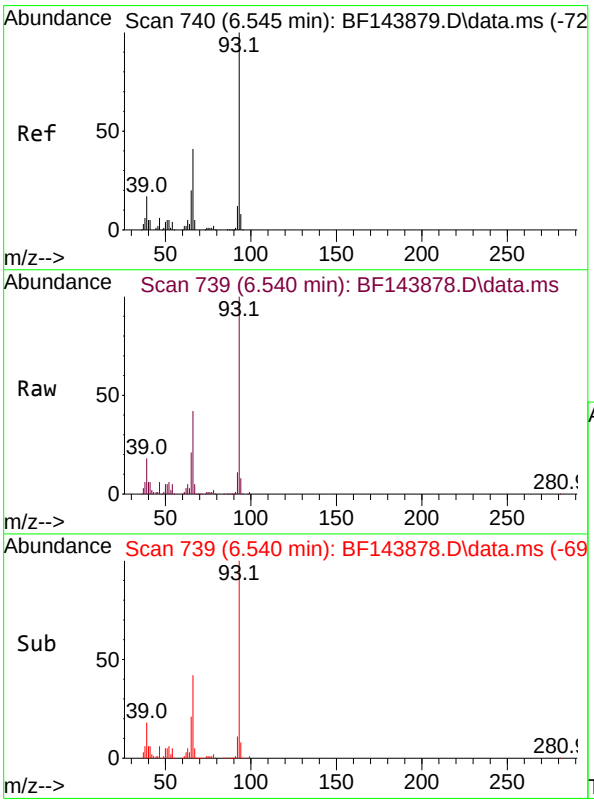
Ion	Ratio	Lower	Upper
112	100		
64	60.7	49.1	73.7
63	29.3	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

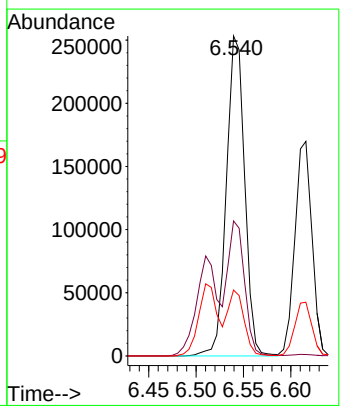
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

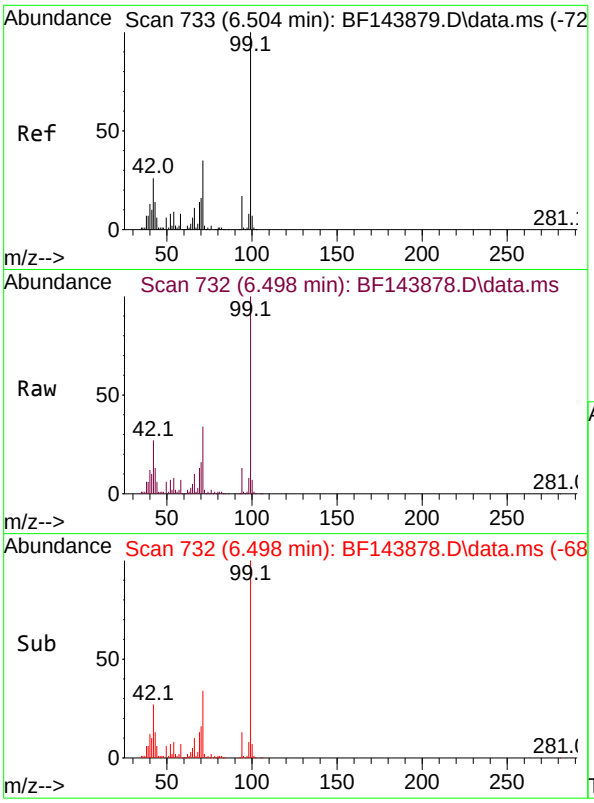


#6
Aniline
Concen: 20.994 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 93 Resp: 340202

Ion	Ratio	Lower	Upper
93	100		
66	42.2	33.0	49.6
65	20.6	15.8	23.8

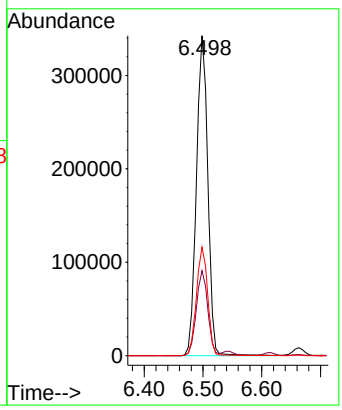




#7
Phenol-d6
Concen: 42.670 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 99 Resp: 46143

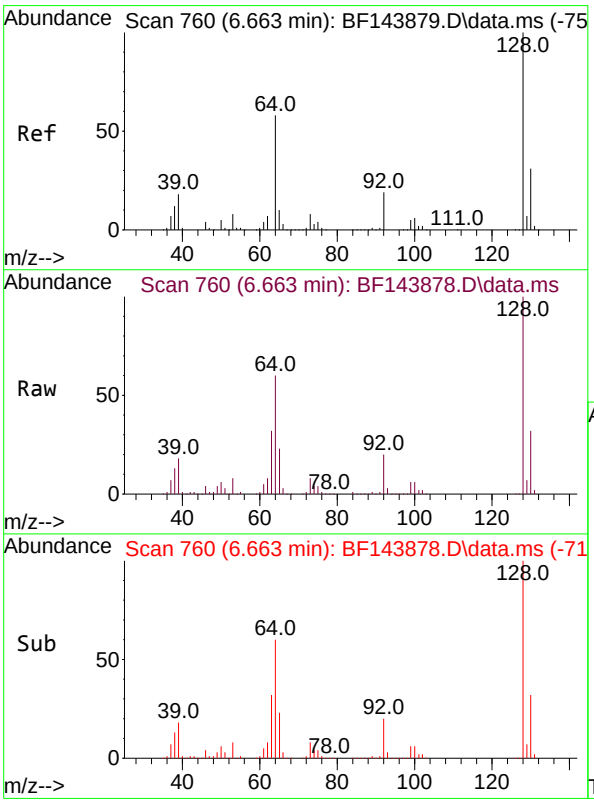
Ion	Ratio	Lower	Upper
99	100		
42	26.5	21.0	31.4
71	33.9	27.8	41.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

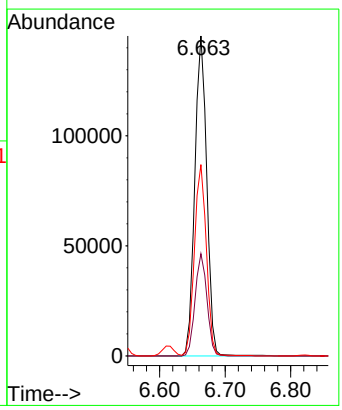
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

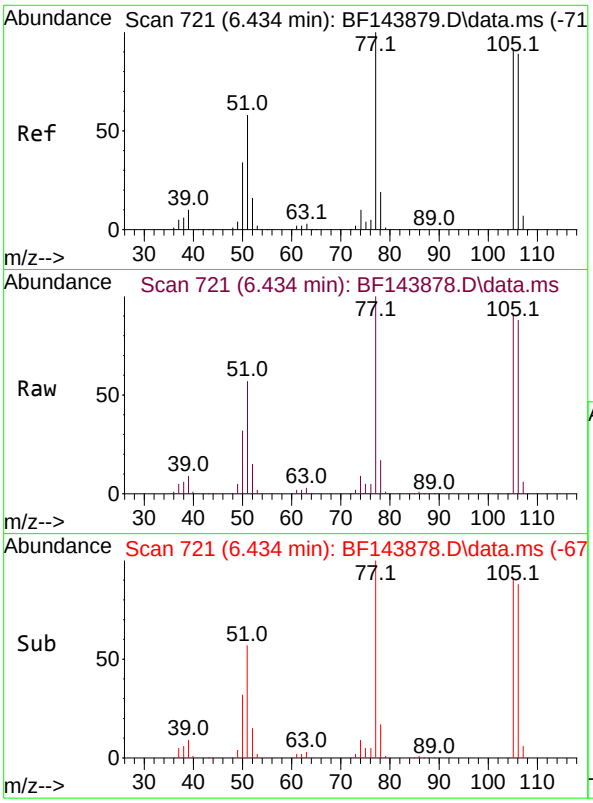


#8
2-Chlorophenol
Concen: 20.704 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:128 Resp: 183611

Ion	Ratio	Lower	Upper
128	100		
130	31.9	10.7	50.7
64	59.8	39.0	79.0

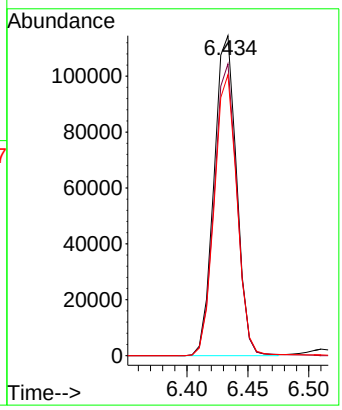




#9
Benzaldehyde
Concen: 17.715 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 77 Resp: 14778

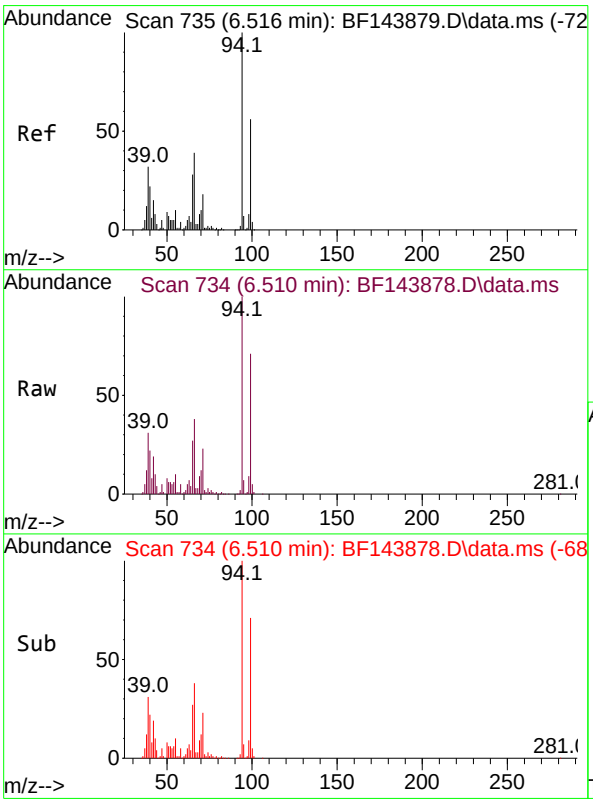
Ion	Ratio	Lower	Upper
77	100		
105	91.2	70.9	110.9
106	87.8	68.9	108.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

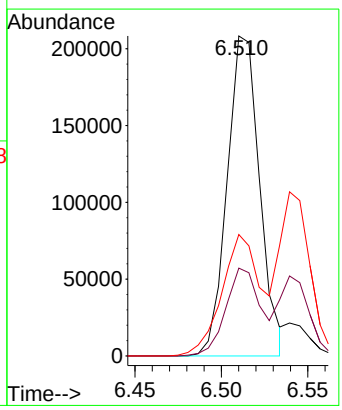
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

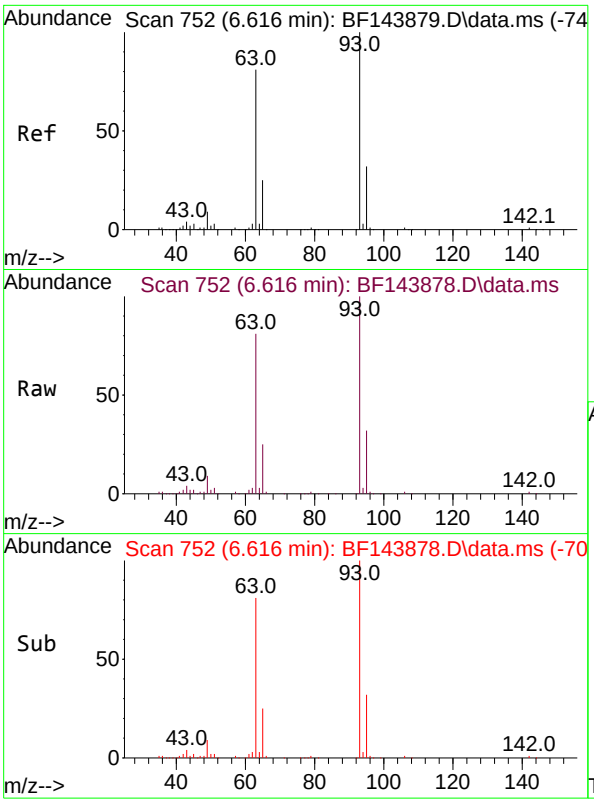


#10
Phenol
Concen: 21.046 ng m
RT: 6.510 min Scan# 734
Delta R.T. -0.023 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 94 Resp: 272100

Ion	Ratio	Lower	Upper
94	100		
65	27.4	8.5	48.5
66	37.9	19.9	59.9

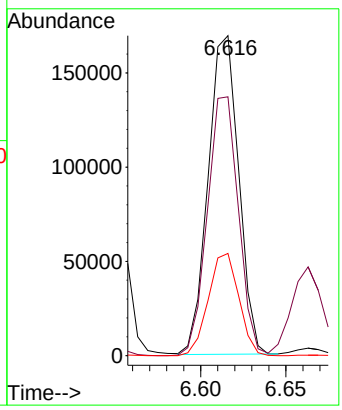




#11
bis(2-Chloroethyl)ether
Concen: 21.157 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 93 Resp: 21129

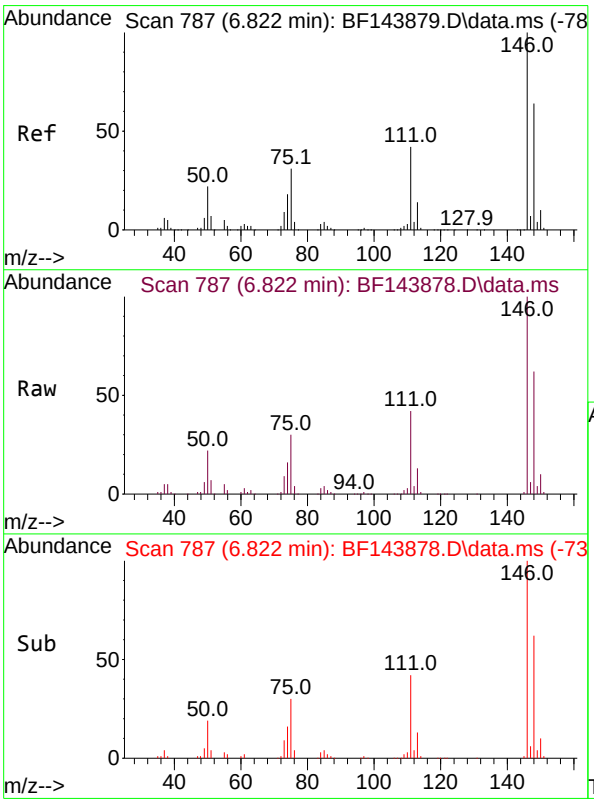
Ion	Ratio	Lower	Upper
93	100		
63	80.9	60.9	100.9
95	31.9	11.5	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

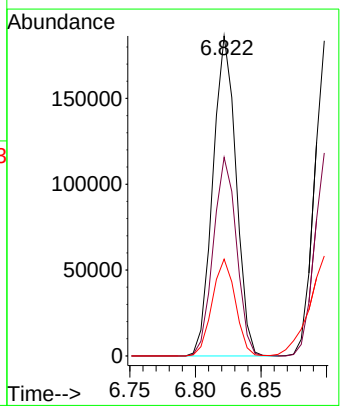
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

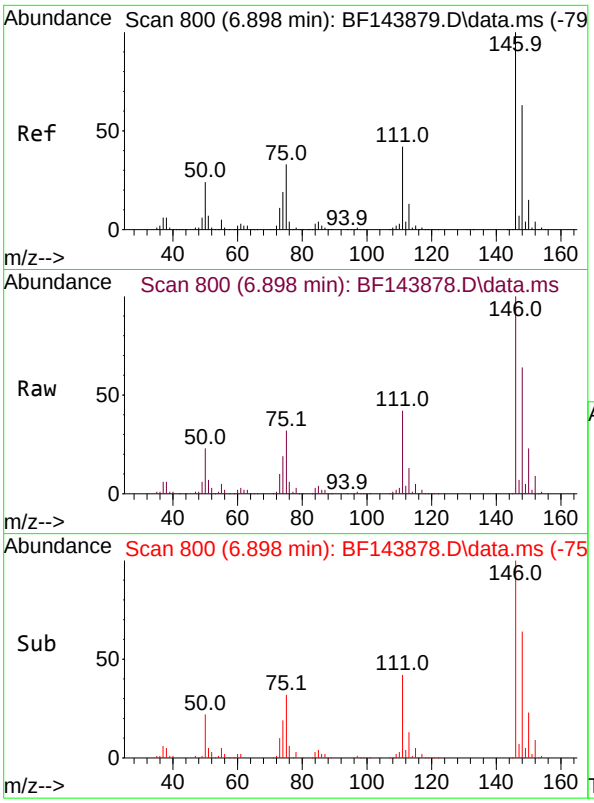


#12
1,3-Dichlorobenzene
Concen: 21.566 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:146 Resp: 228938

Ion	Ratio	Lower	Upper
146	100		
148	62.0	51.0	76.4
75	30.2	24.9	37.3

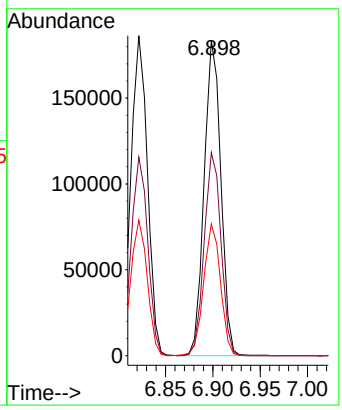




#13
1,4-Dichlorobenzene
Concen: 21.554 ng
RT: 6.898 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:146 Resp: 22570

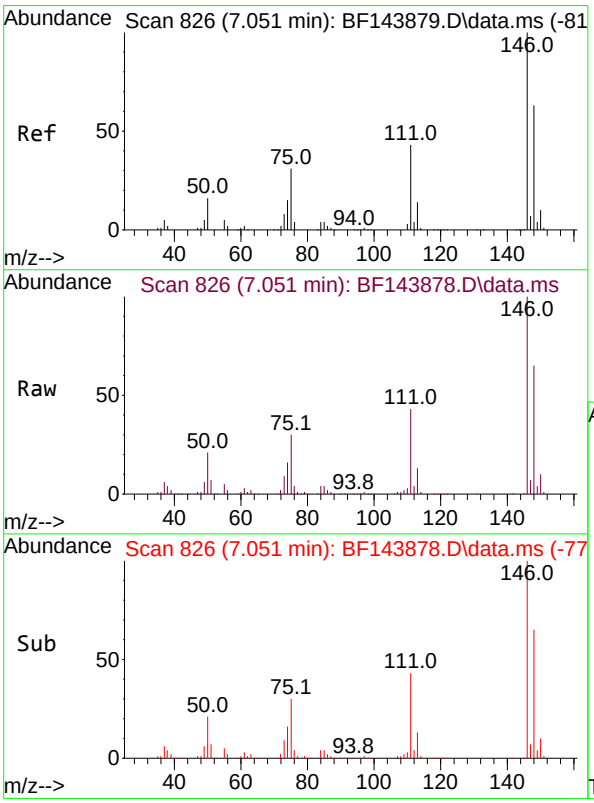
Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.5	75.7
111	41.8	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

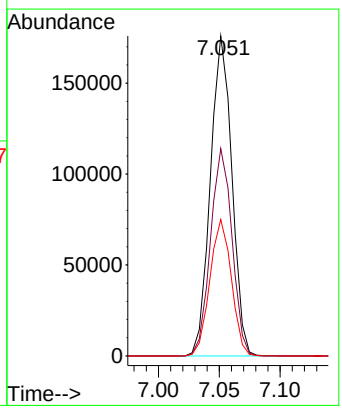
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

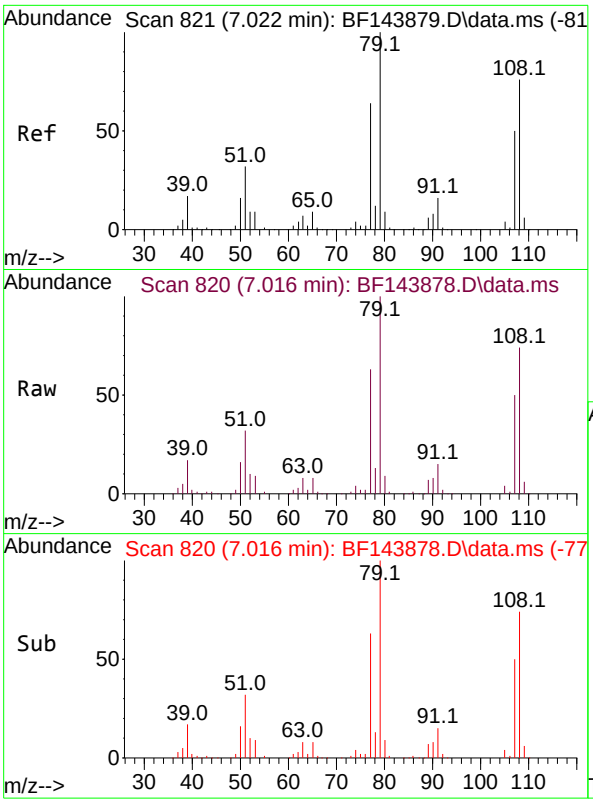


#14
1,2-Dichlorobenzene
Concen: 21.555 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:146 Resp: 216196

Ion	Ratio	Lower	Upper
146	100		
148	64.8	50.6	75.8
111	42.6	34.6	51.8

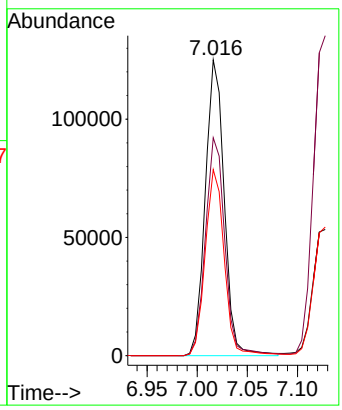




#15
Benzyl Alcohol
Concen: 20.241 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 79 Resp: 16400

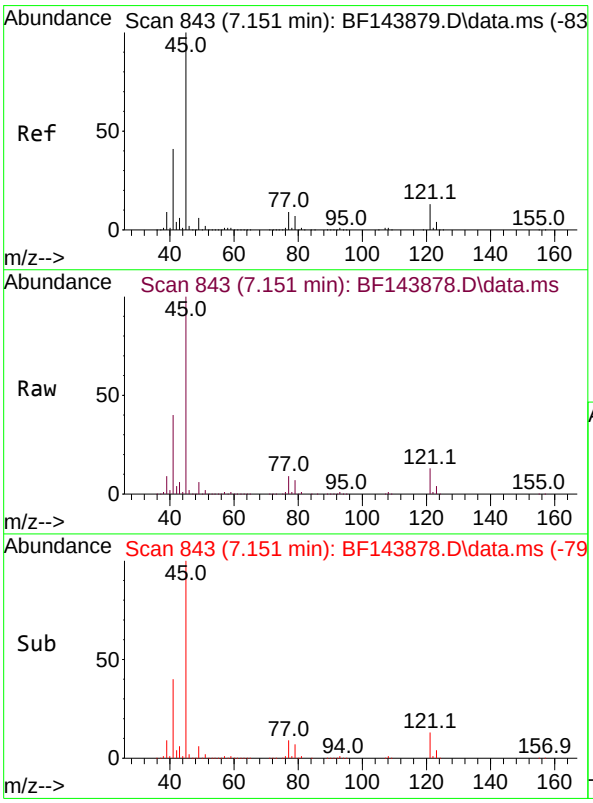
Ion	Ratio	Lower	Upper
79	100		
108	73.6	60.8	91.2
77	62.9	51.0	76.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

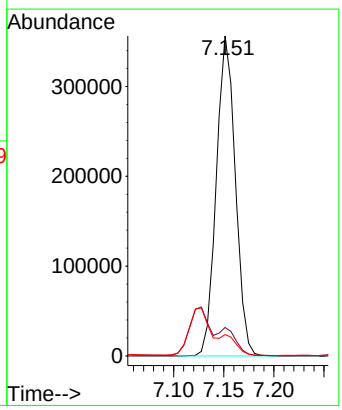
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

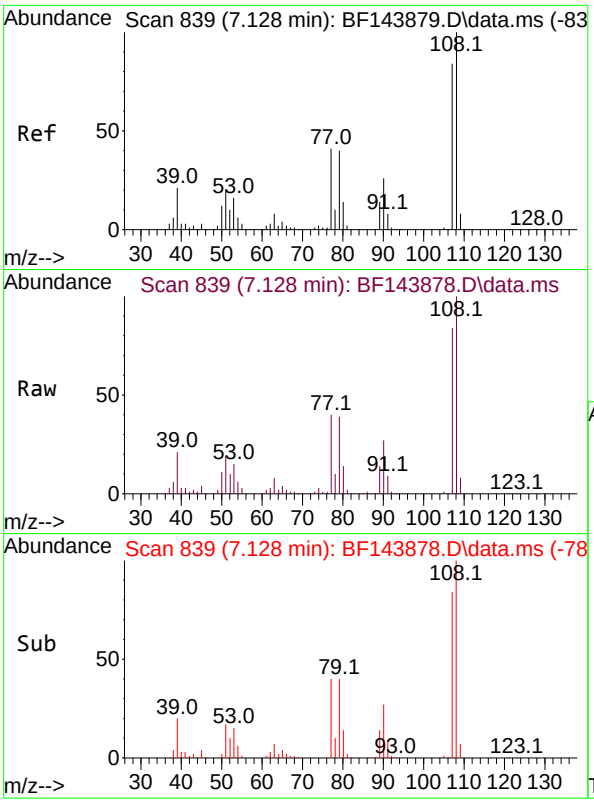


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.745 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 45 Resp: 471598

Ion	Ratio	Lower	Upper
45	100		
77	8.9	0.0	29.0
79	6.7	0.0	26.8

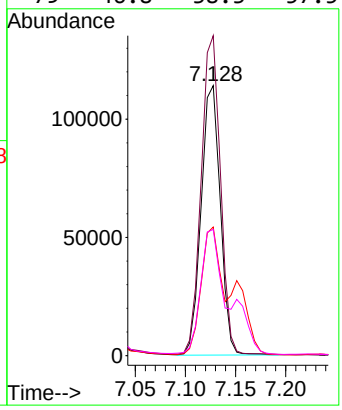




#17
2-Methylphenol
Concen: 20.616 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:107 Resp: 151099

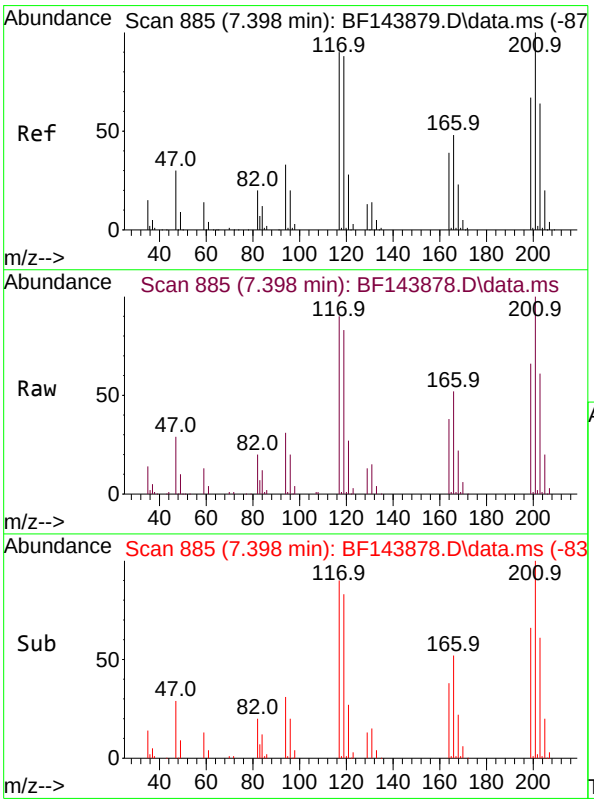
Ion	Ratio	Lower	Upper
107	100		
108	118.5	94.7	142.1
77	47.6	38.8	58.2
79	46.8	38.3	57.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

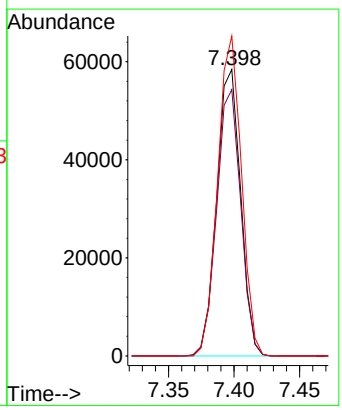
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

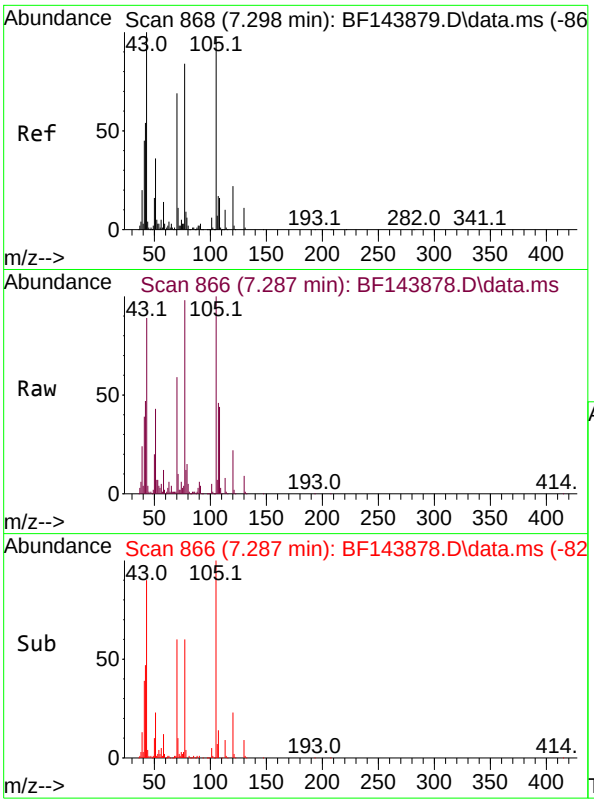


#18
Hexachloroethane
Concen: 21.232 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:117 Resp: 74147

Ion	Ratio	Lower	Upper
117	100		
119	93.0	77.8	116.8
201	111.7	88.5	132.7

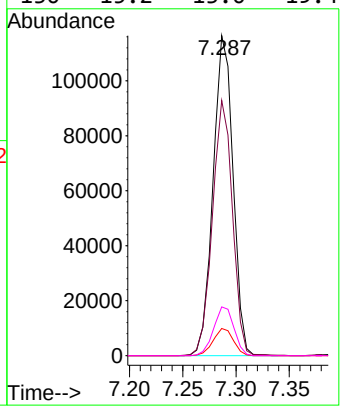




#19
n-Nitroso-di-n-propylamine
Concen: 20.512 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.029 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 70 Resp: 15183

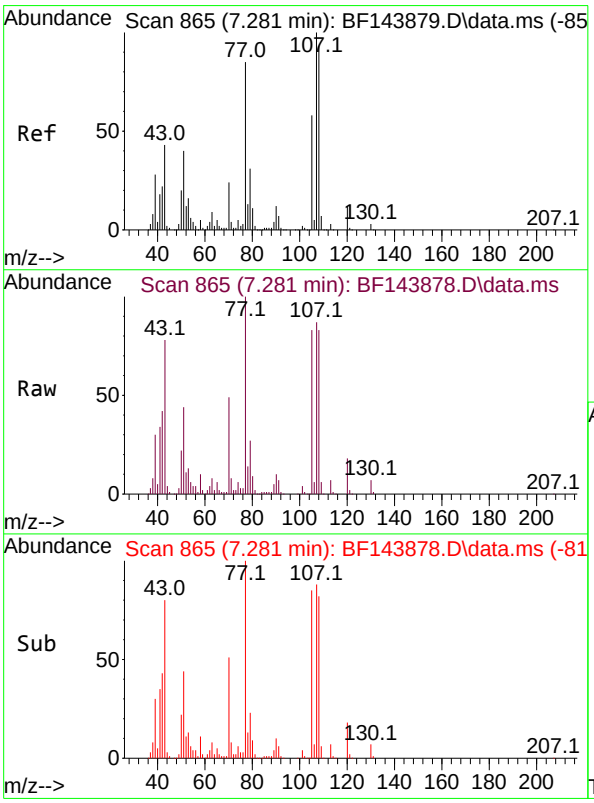
Ion	Ratio	Lower	Upper
70	100		
42	79.7	62.8	94.2
101	8.5	6.7	10.1
130	15.2	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

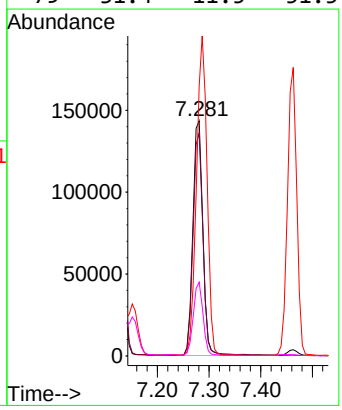
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

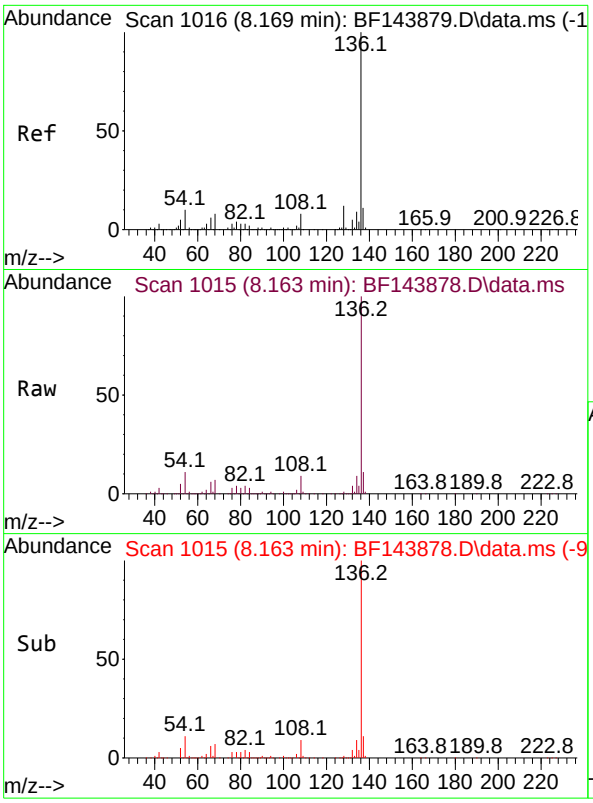


#20
3+4-Methylphenols
Concen: 22.753 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:107 Resp: 193273

Ion	Ratio	Lower	Upper
107	100		
108	94.8	73.0	113.0
77	114.7	64.6	104.6#
79	31.4	11.5	51.5

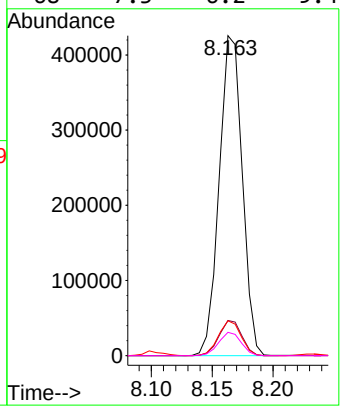




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:136 Resp: 56177

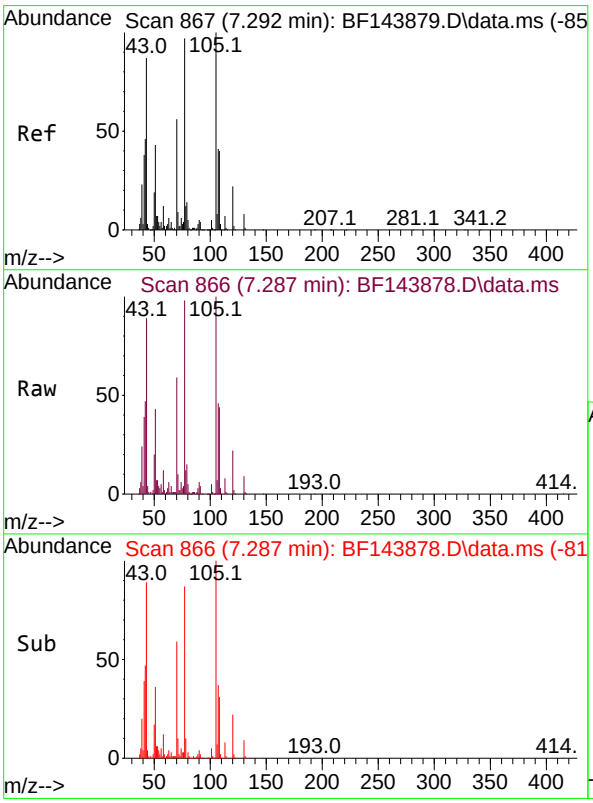
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	10.9	8.2	12.4
68	7.3	6.2	9.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

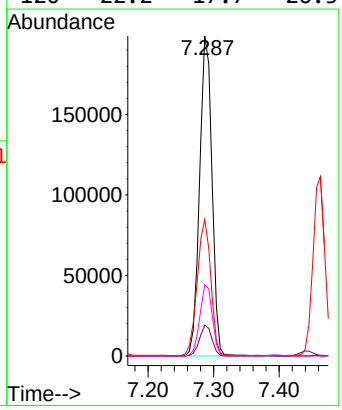
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

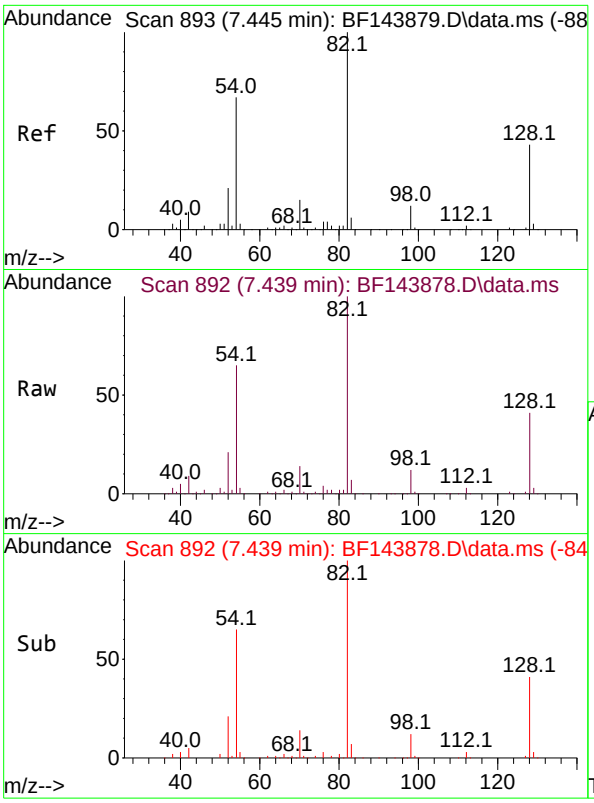


#22
Acetophenone
Concen: 21.837 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:105 Resp: 259382

Ion	Ratio	Lower	Upper
105	100		
71	9.6	7.4	11.0
51	42.6	34.2	51.4
120	22.2	17.7	26.5

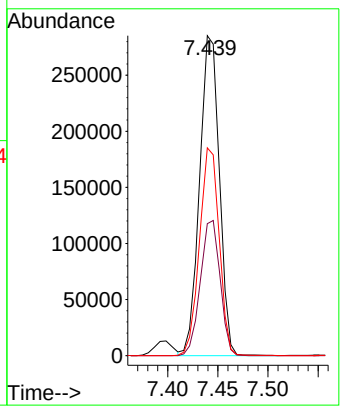




#23
Nitrobenzene-d5
Concen: 42.133 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 82 Resp: 389584

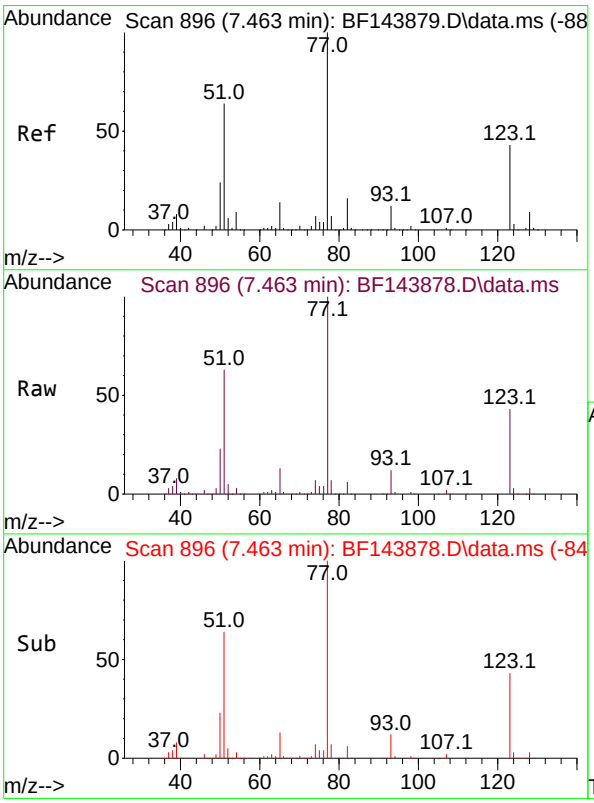
Ion	Ratio	Lower	Upper
82	100		
128	41.2	34.0	51.0
54	64.9	53.2	79.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

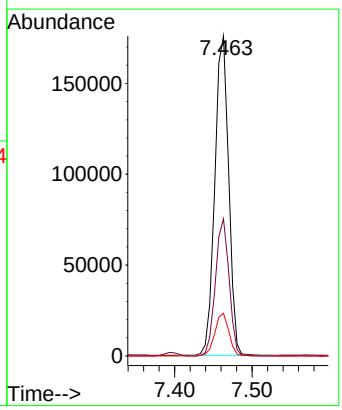
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

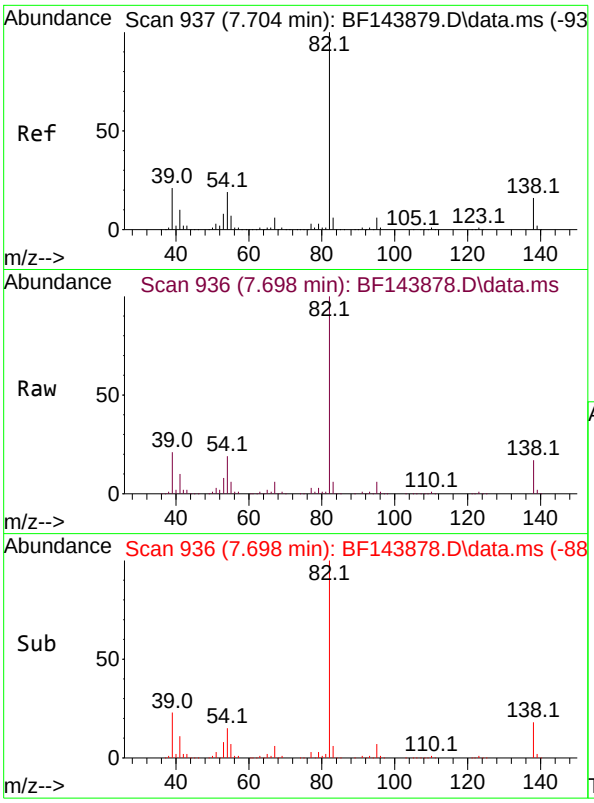


#24
Nitrobenzene
Concen: 21.279 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 77 Resp: 218497

Ion	Ratio	Lower	Upper
77	100		
123	42.8	34.2	51.4
65	13.3	11.0	16.6





#25
Isophorone
Concen: 20.393 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.023 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

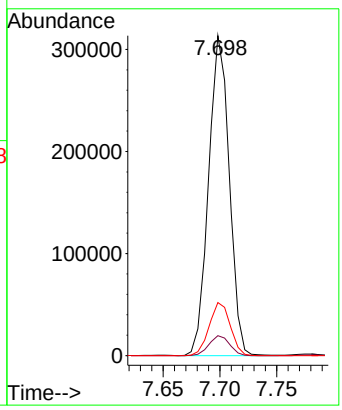
Tgt Ion: 82 Resp: 39760

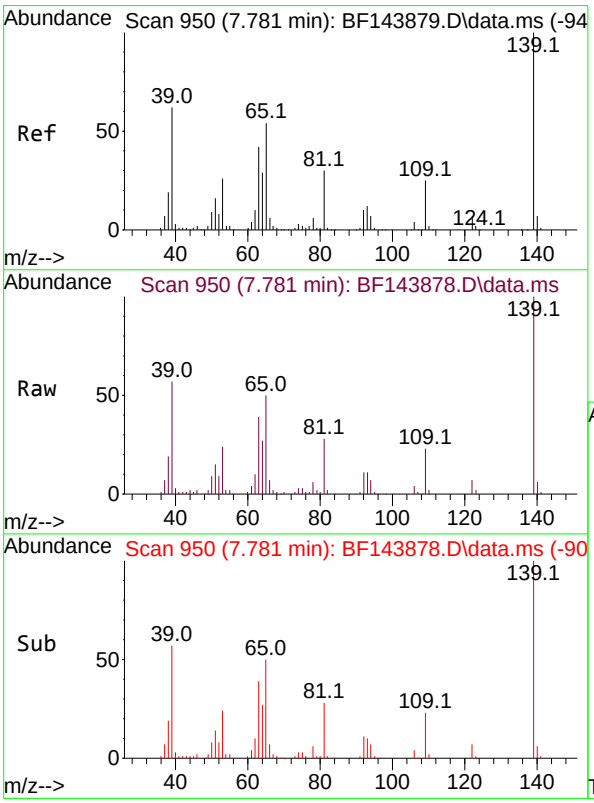
Ion	Ratio	Lower	Upper
82	100		
95	6.2	5.1	7.7
138	16.6	12.9	19.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

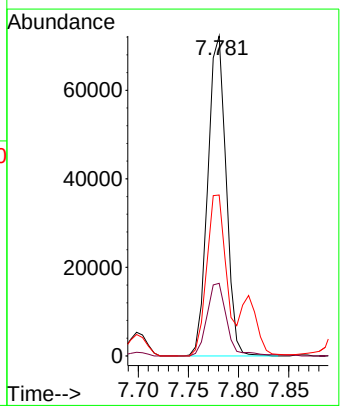


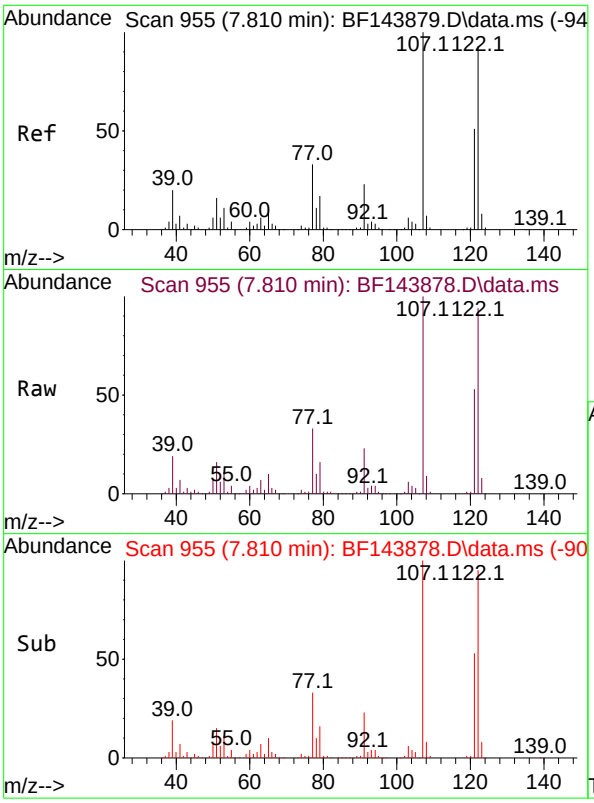


#26
2-Nitrophenol
Concen: 20.747 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:139 Resp: 91336

Ion	Ratio	Lower	Upper
139	100		
109	22.7	19.8	29.6
65	50.3	42.9	64.3

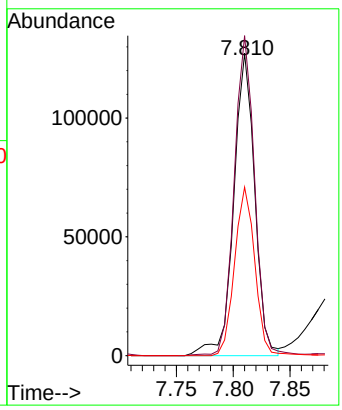




#27
2,4-Dimethylphenol
Concen: 20.682 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:122 Resp: 16378

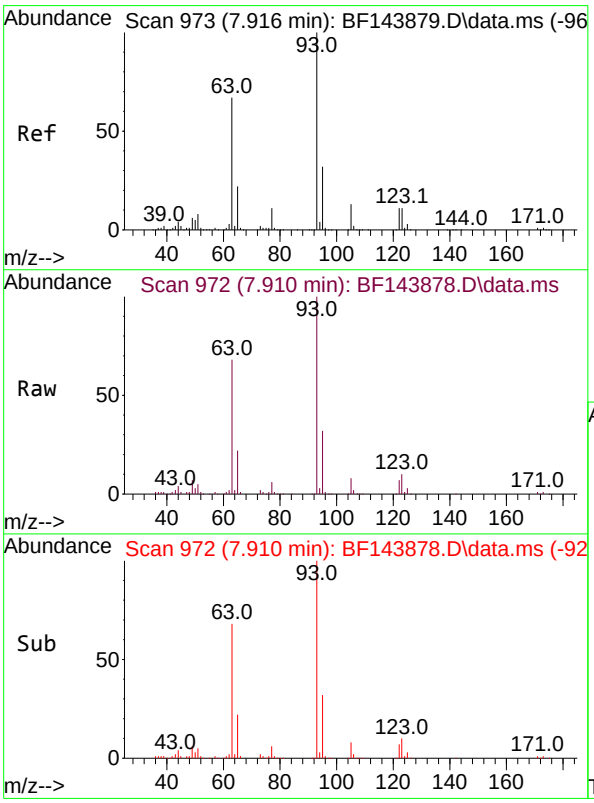
Ion	Ratio	Lower	Upper
122	100		
107	105.9	86.1	129.1
121	55.8	43.8	65.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

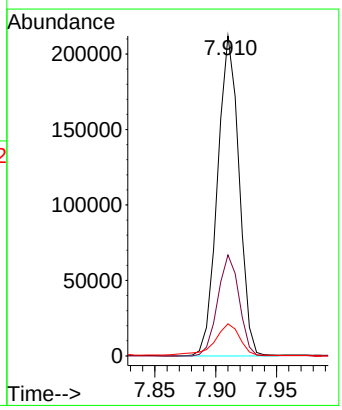
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

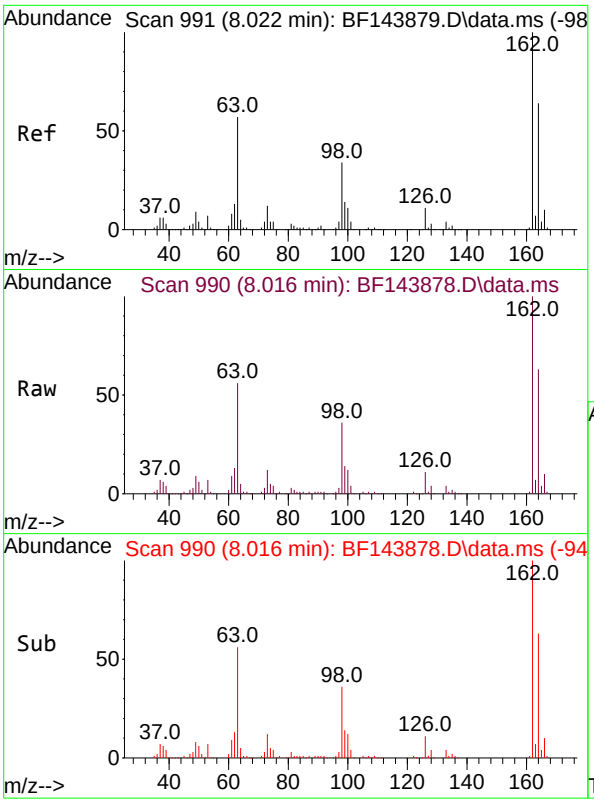


#28
bis(2-Chloroethoxy)methane
Concen: 21.131 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 93 Resp: 260252

Ion	Ratio	Lower	Upper
93	100		
95	31.5	25.9	38.9
123	10.0	9.4	14.0

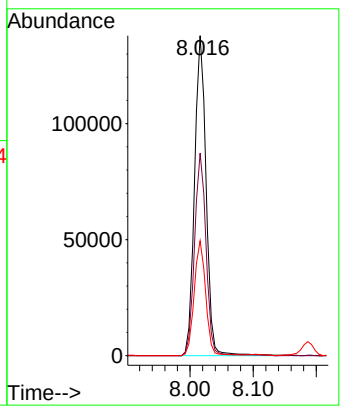




#29
2,4-Dichlorophenol
Concen: 21.328 ng
RT: 8.016 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:162 Resp: 17593

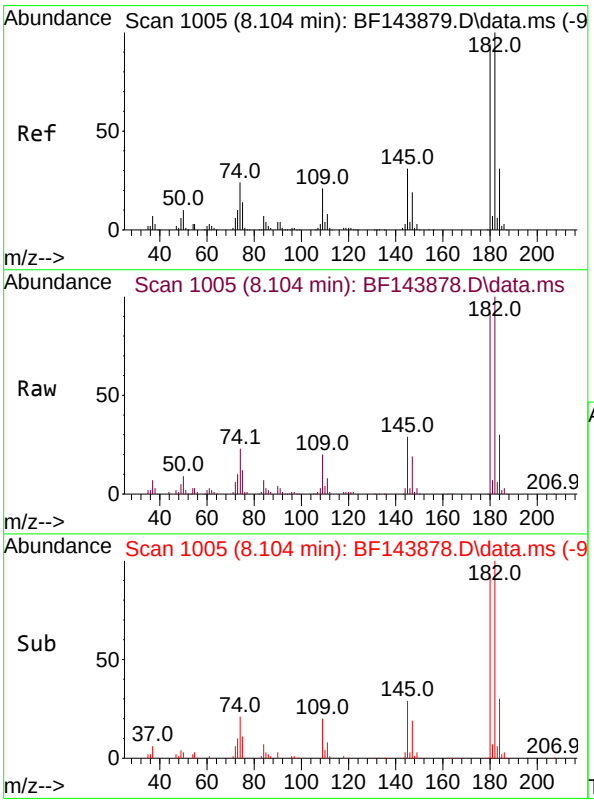
Ion	Ratio	Lower	Upper
162	100		
164	63.3	43.9	83.9
98	35.9	14.4	54.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

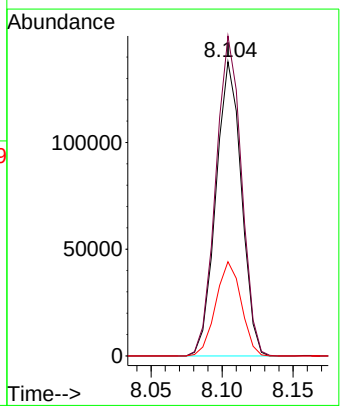
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

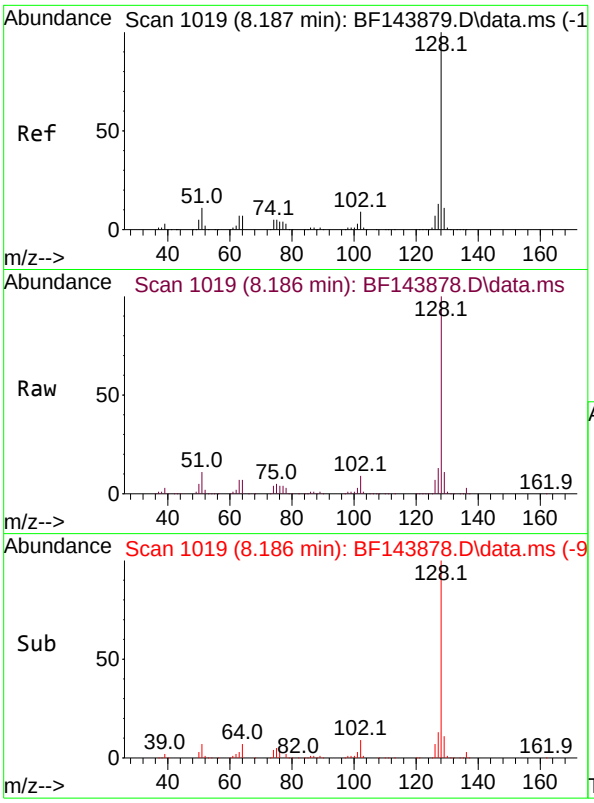


#30
1,2,4-Trichlorobenzene
Concen: 21.234 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:180 Resp: 172265

Ion	Ratio	Lower	Upper
180	100		
182	108.8	85.4	128.0
145	32.0	26.3	39.5

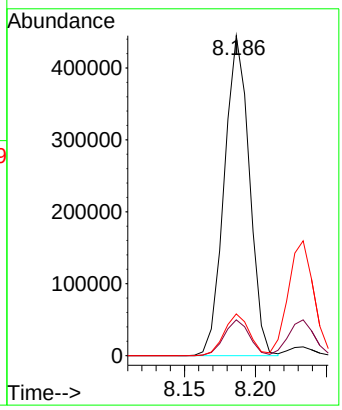




#31
Naphthalene
Concen: 21.365 ng
RT: 8.186 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:128 Resp: 54597

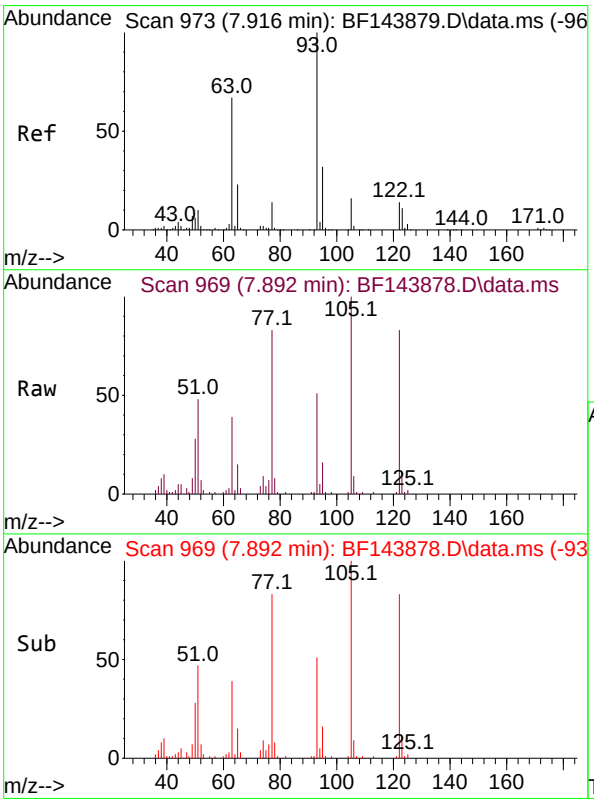
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.1	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

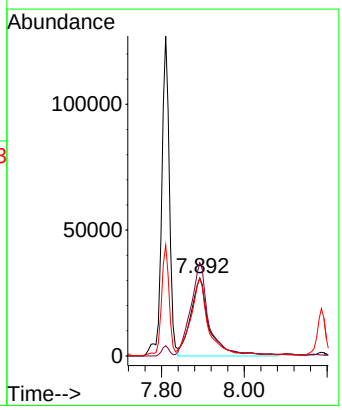
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

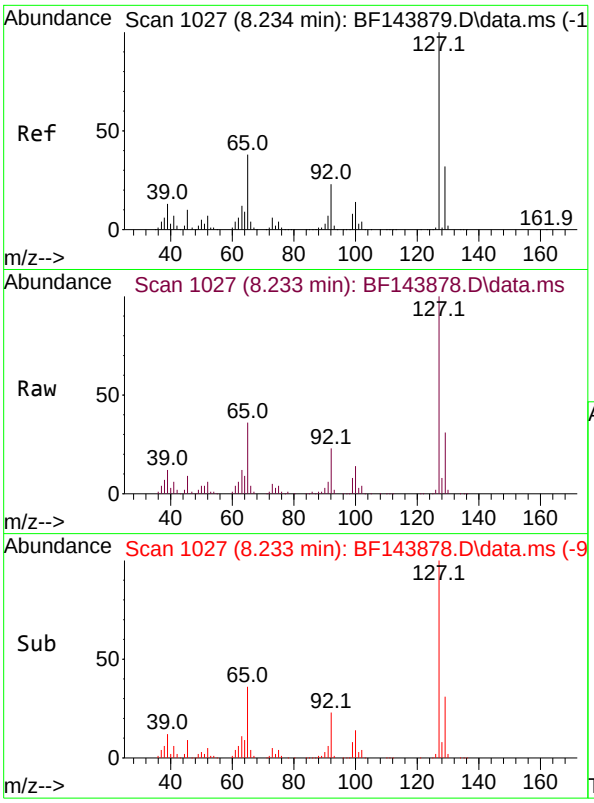


#32
Benzoic acid
Concen: 17.912 ng m
RT: 7.892 min Scan# 969
Delta R.T. -0.071 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:122 Resp: 98172

Ion	Ratio	Lower	Upper
122	100		
105	120.1	93.5	133.5
77	100.0	76.3	116.3

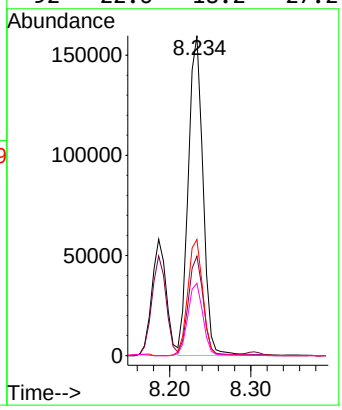




#33
4-Chloroaniline
Concen: 20.924 ng
RT: 8.233 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:127 Resp: 20054

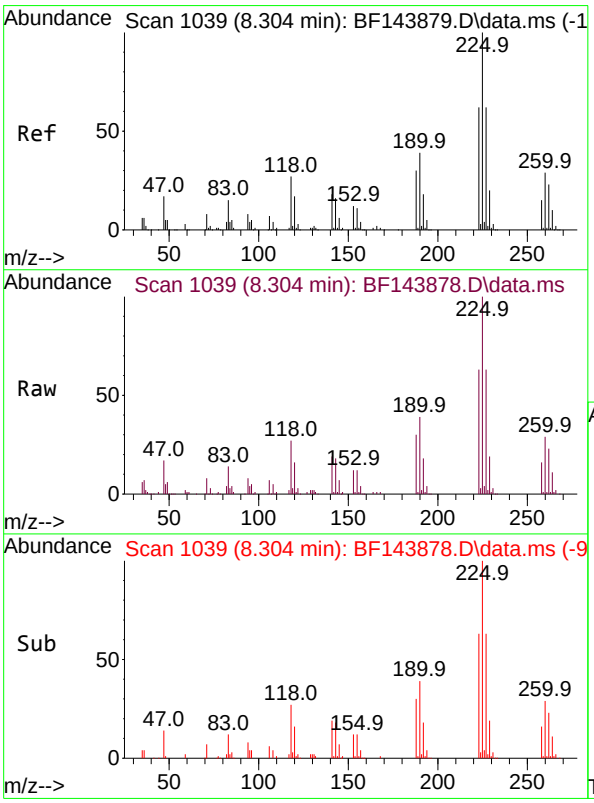
Ion	Ratio	Lower	Upper
127	100		
129	31.1	25.8	38.8
65	36.3	30.0	45.0
92	22.6	18.2	27.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

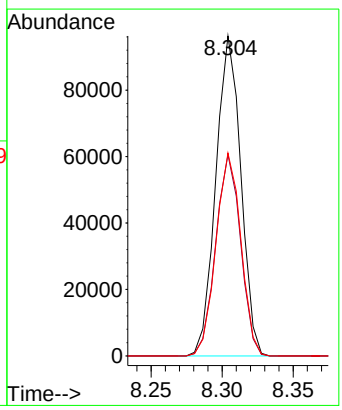
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

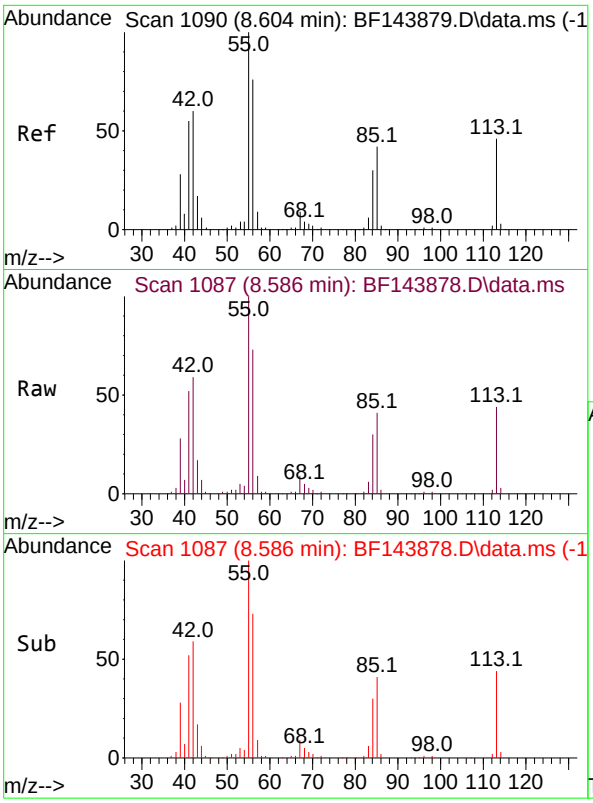


#34
Hexachlorobutadiene
Concen: 20.941 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:225 Resp: 118056

Ion	Ratio	Lower	Upper
225	100		
223	62.9	49.4	74.2
227	63.4	49.7	74.5

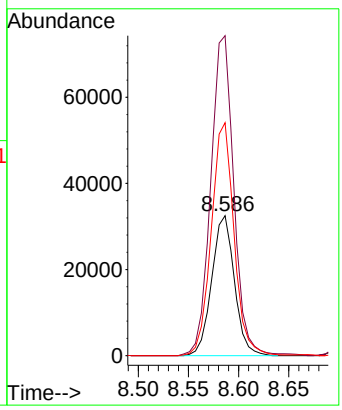




#35
Caprolactam
Concen: 19.505 ng
RT: 8.586 min Scan# 1
Delta R.T. -0.059 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:113 Resp: 5115

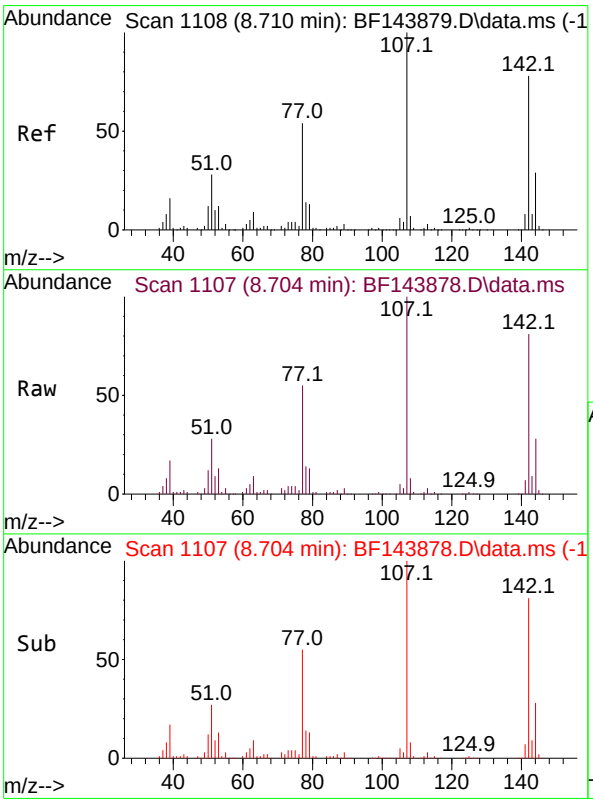
Ion	Ratio	Lower	Upper
113	100		
55	228.6	199.6	239.6
56	166.4	146.0	186.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

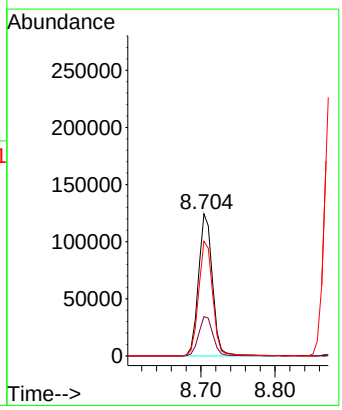
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

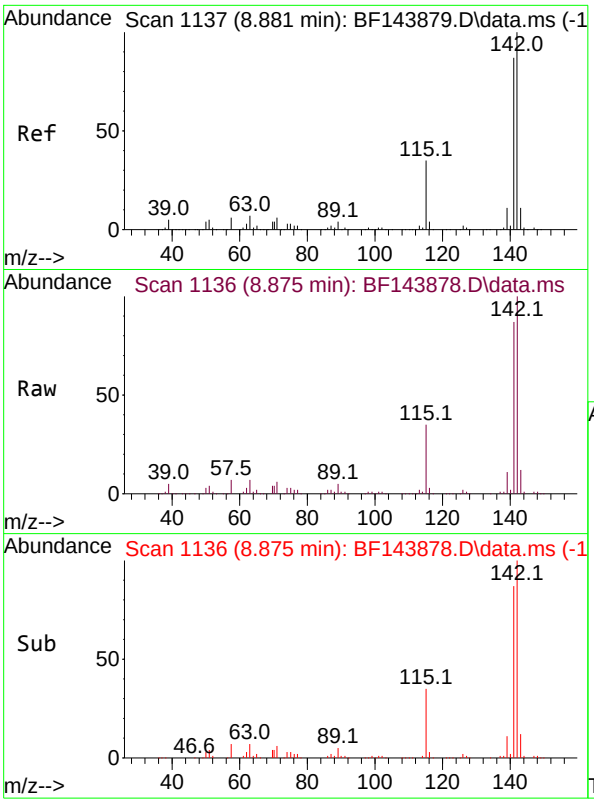


#36
4-Chloro-3-methylphenol
Concen: 20.524 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:107 Resp: 162629

Ion	Ratio	Lower	Upper
107	100		
144	27.7	23.1	34.7
142	80.8	62.6	94.0

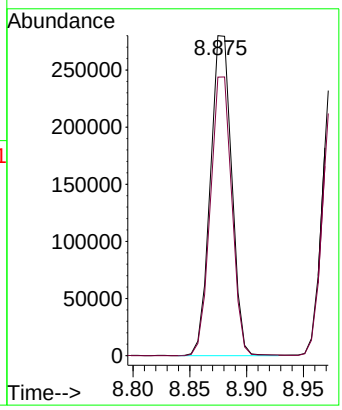




#37
2-Methylnaphthalene
Concen: 21.583 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:142 Resp: 36740

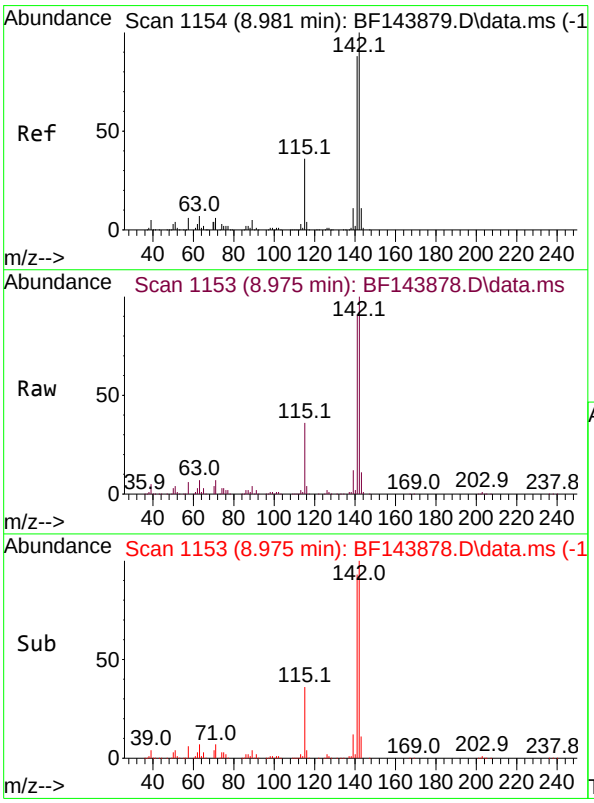
Ion	Ratio	Lower	Upper
142	100		
141	87.0	69.2	103.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

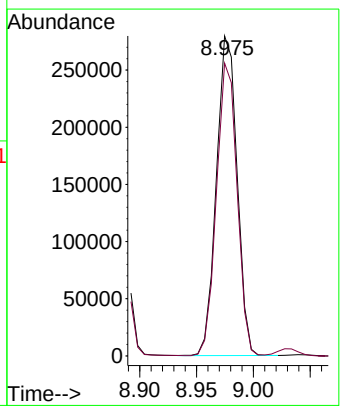
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

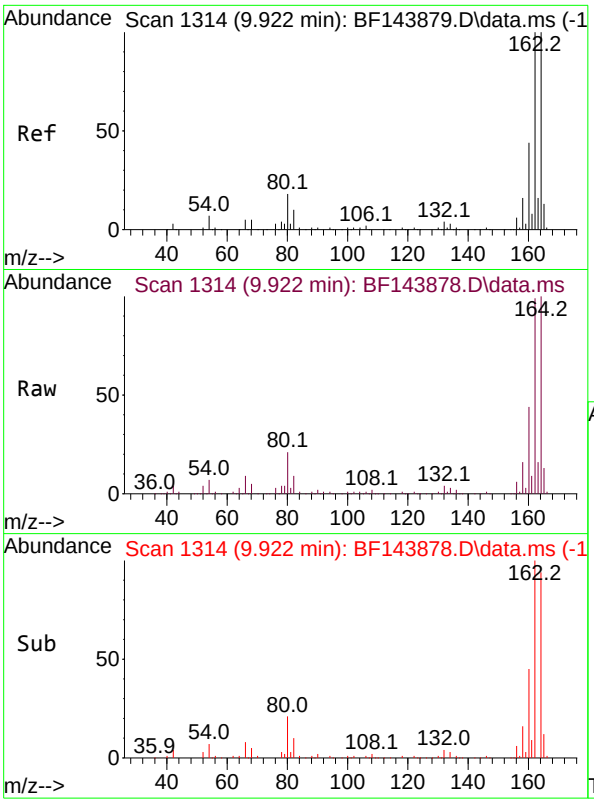


#38
1-Methylnaphthalene
Concen: 21.407 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.011 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:142 Resp: 353459

Ion	Ratio	Lower	Upper
142	100		
141	91.5	70.8	106.2

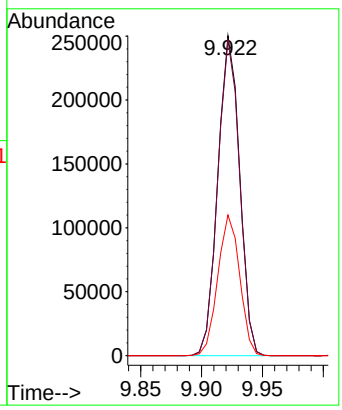




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:164 Resp: 31129

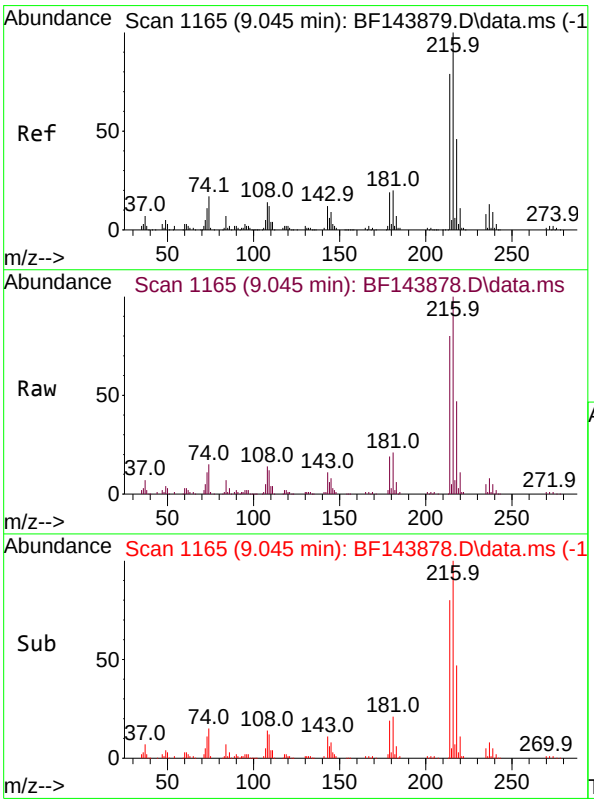
Ion	Ratio	Lower	Upper
164	100		
162	98.6	80.2	120.2
160	43.9	35.4	53.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

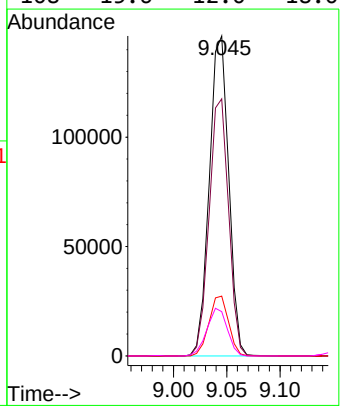
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

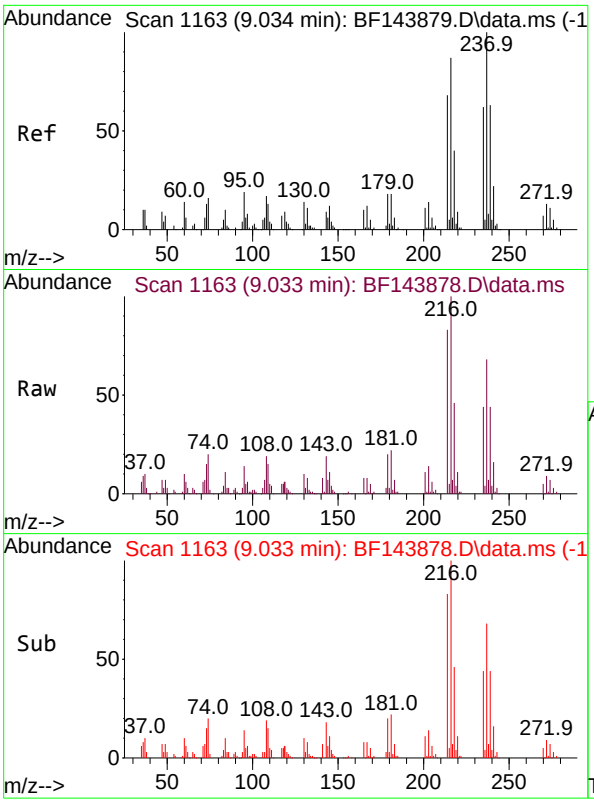


#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.523 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:216 Resp: 185181

Ion	Ratio	Lower	Upper
216	100		
214	80.8	62.6	94.0
179	18.9	15.4	23.0
108	15.6	12.0	18.0





#41
Hexachlorocyclopentadiene
Concen: 18.807 ng
RT: 9.033 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

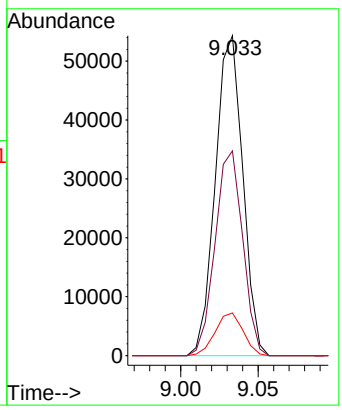
Tgt Ion:237 Resp: 6712

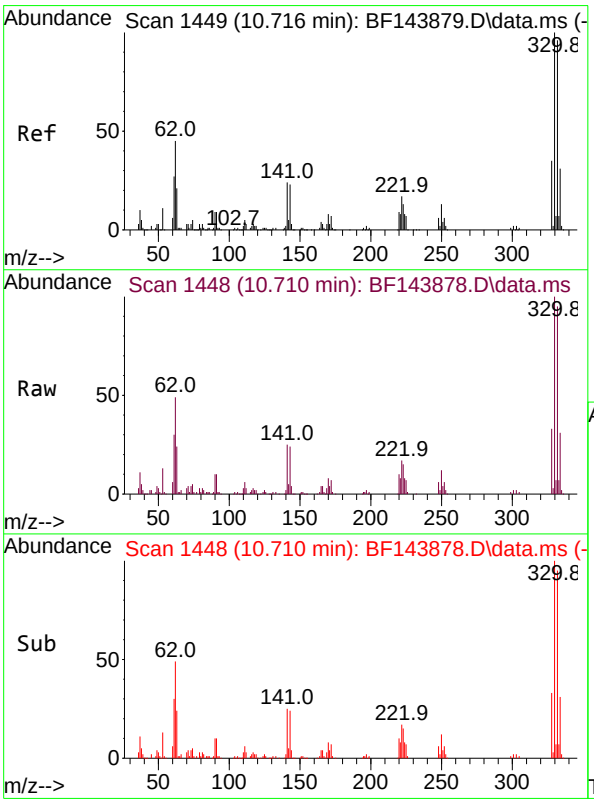
Ion	Ratio	Lower	Upper
237	100		
235	64.0	42.3	82.3
272	13.4	0.0	33.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

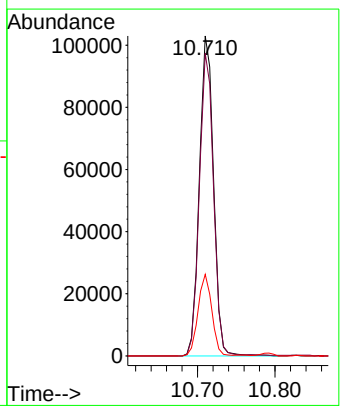


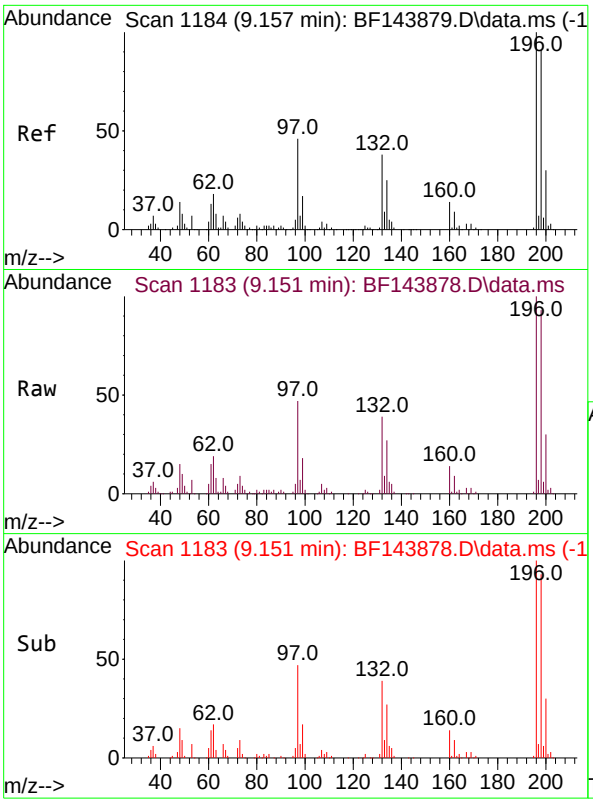


#42
2,4,6-Tribromophenol
Concen: 42.114 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:330 Resp: 130577

Ion	Ratio	Lower	Upper
330	100		
332	94.8	76.9	115.3
141	24.8	20.2	30.4

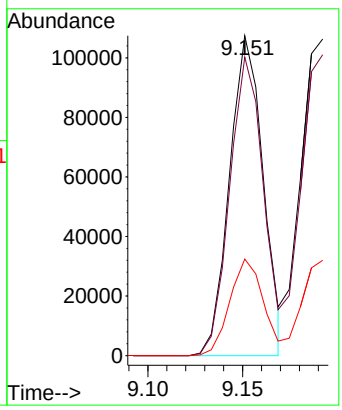




#43
2,4,6-Trichlorophenol
Concen: 21.116 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:196 Resp: 13274

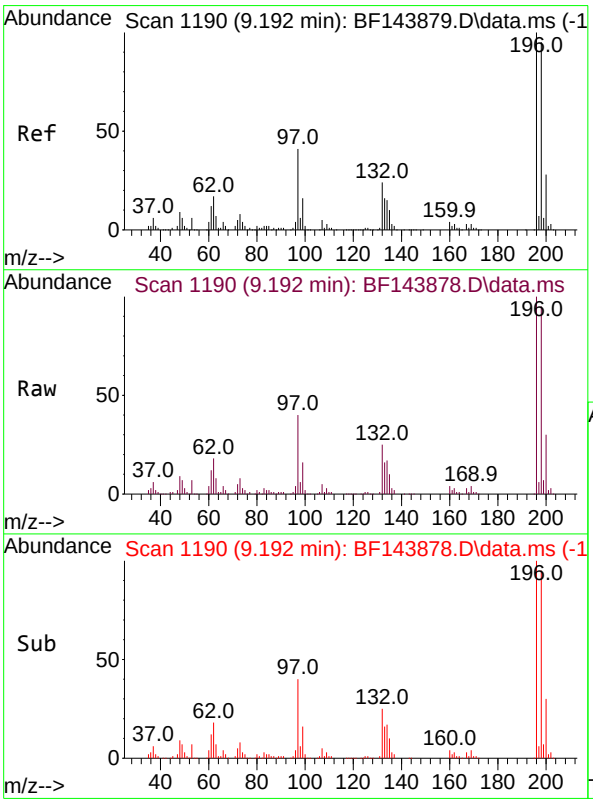
Ion	Ratio	Lower	Upper
196	100		
198	93.3	72.8	109.2
200	30.2	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

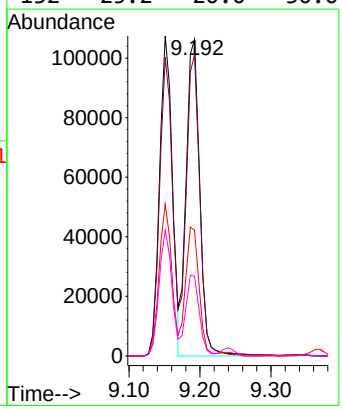
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

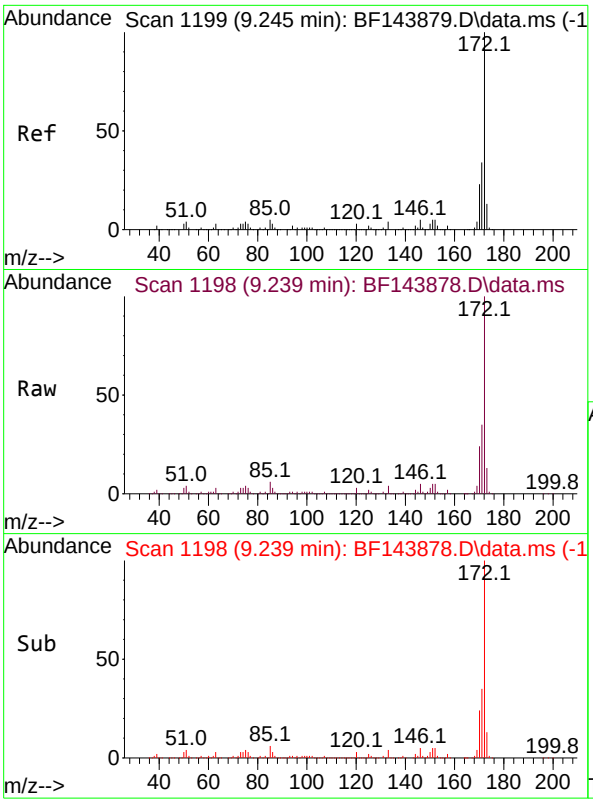


#44
2,4,5-Trichlorophenol
Concen: 21.532 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:196 Resp: 143043

Ion	Ratio	Lower	Upper
196	100		
198	95.0	75.5	113.3
97	39.6	33.9	50.9
132	25.2	20.0	30.0

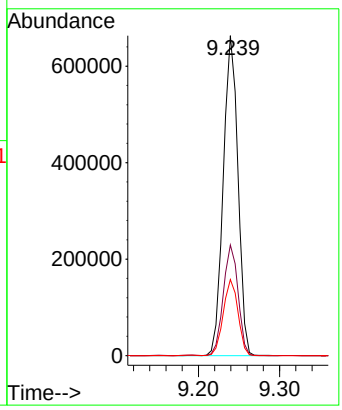




#45
2-Fluorobiphenyl
Concen: 42.367 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:172 Resp: 83118

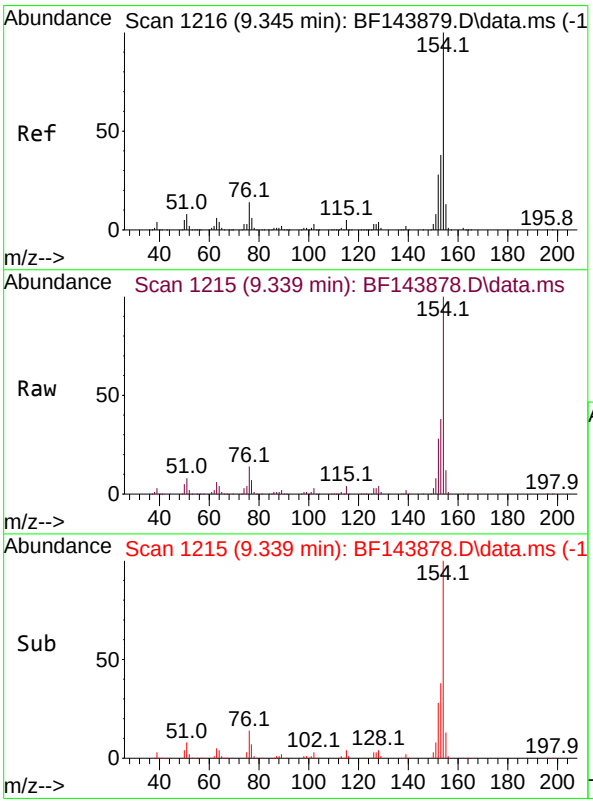
Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.4	41.0
170	23.8	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

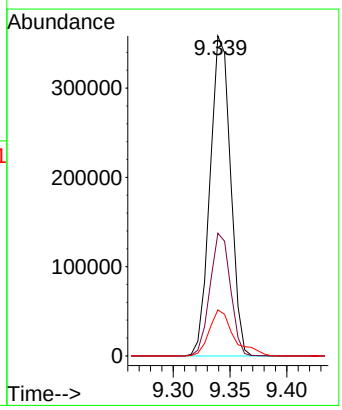
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

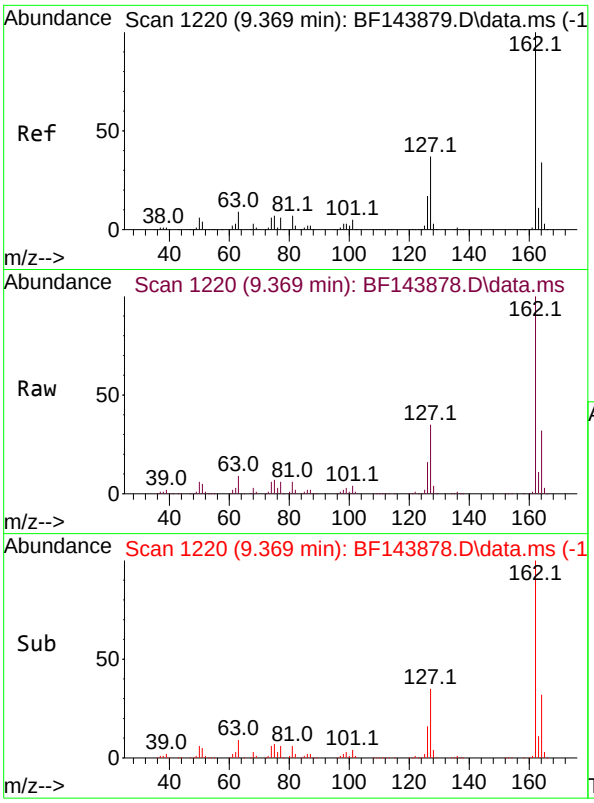


#46
1,1'-Biphenyl
Concen: 21.868 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:154 Resp: 450706

Ion	Ratio	Lower	Upper
154	100		
153	38.3	18.4	58.4
76	14.4	0.0	34.0

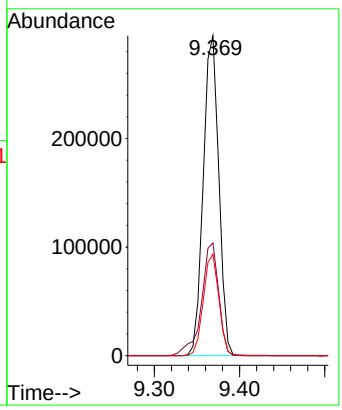




#47
2-Chloronaphthalene
Concen: 21.679 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:162 Resp: 37253

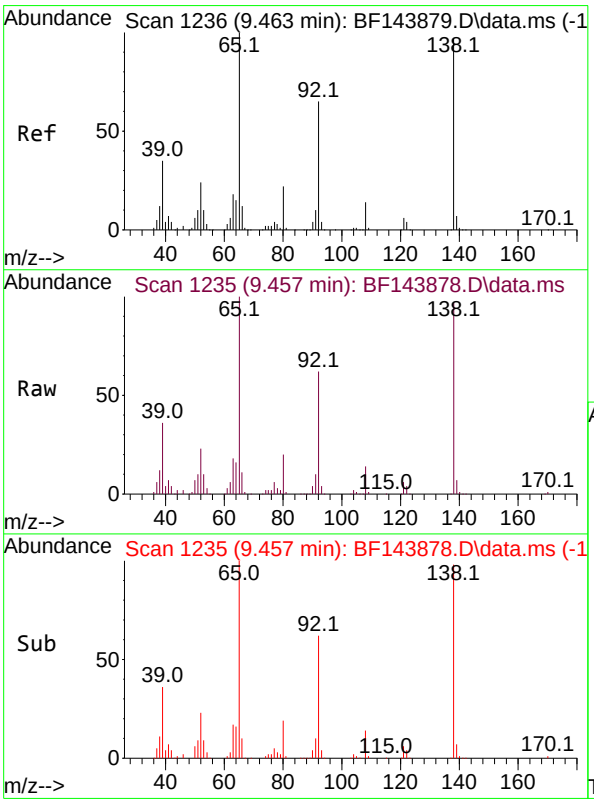
Ion	Ratio	Lower	Upper
162	100		
127	35.2	30.2	45.2
164	31.7	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

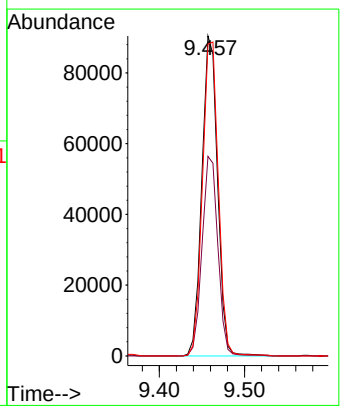
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

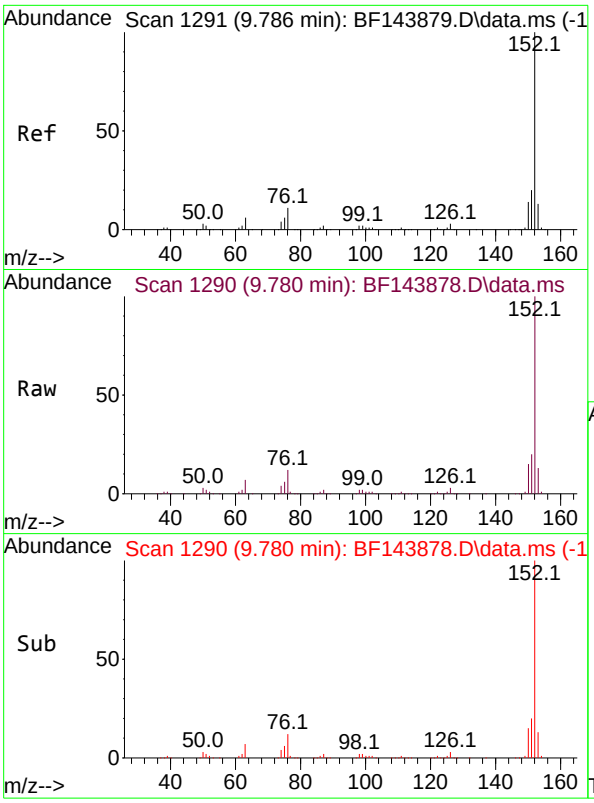


#48
2-Nitroaniline
Concen: 21.263 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 65 Resp: 115519

Ion	Ratio	Lower	Upper
65	100		
92	62.3	52.1	78.1
138	97.4	77.4	116.2

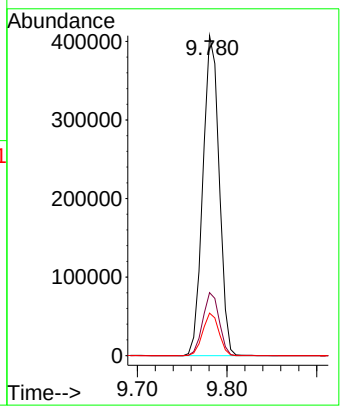




#49
Acenaphthylene
Concen: 21.234 ng
RT: 9.780 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:152 Resp: 51298

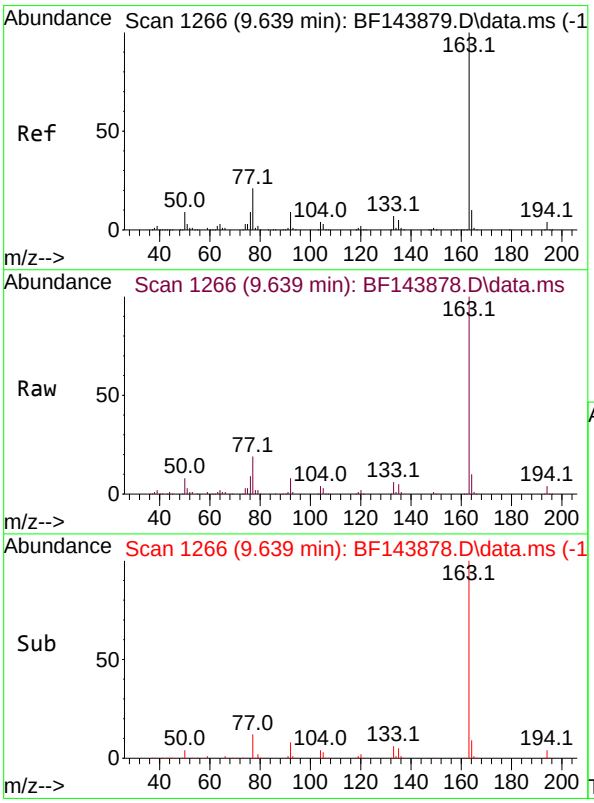
Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.3	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

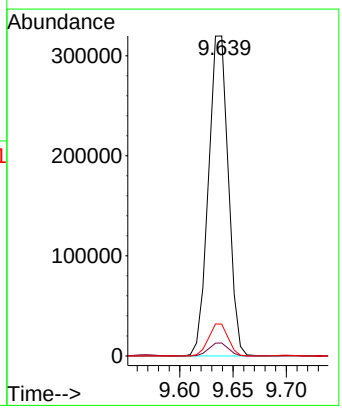
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

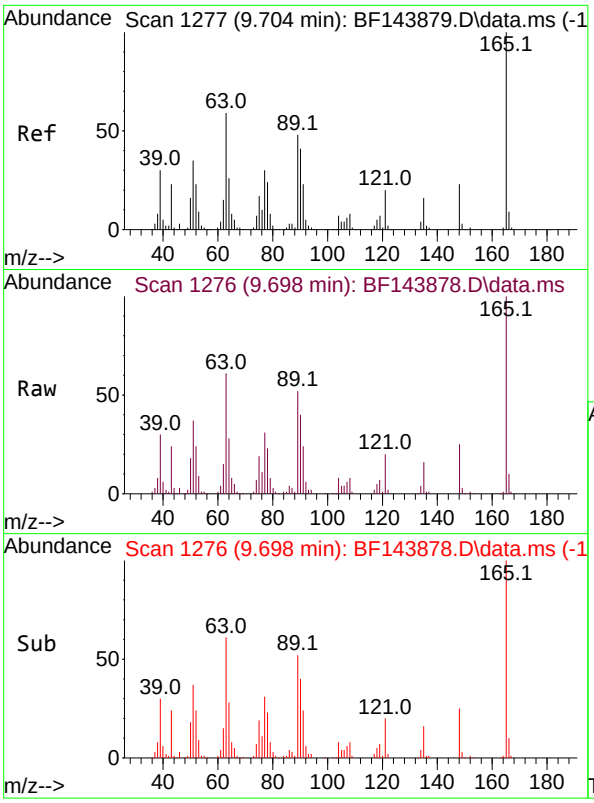


#50
Dimethylphthalate
Concen: 21.011 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:163 Resp: 415359

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.9	8.1	12.1





#51
2,6-Dinitrotoluene
Concen: 20.831 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

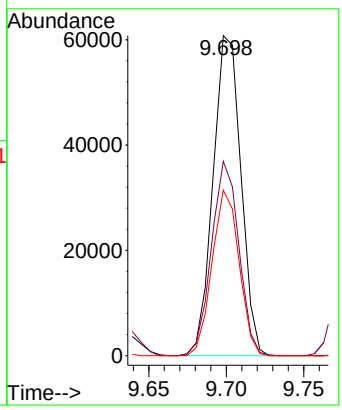
Tgt Ion:165 Resp: 7636

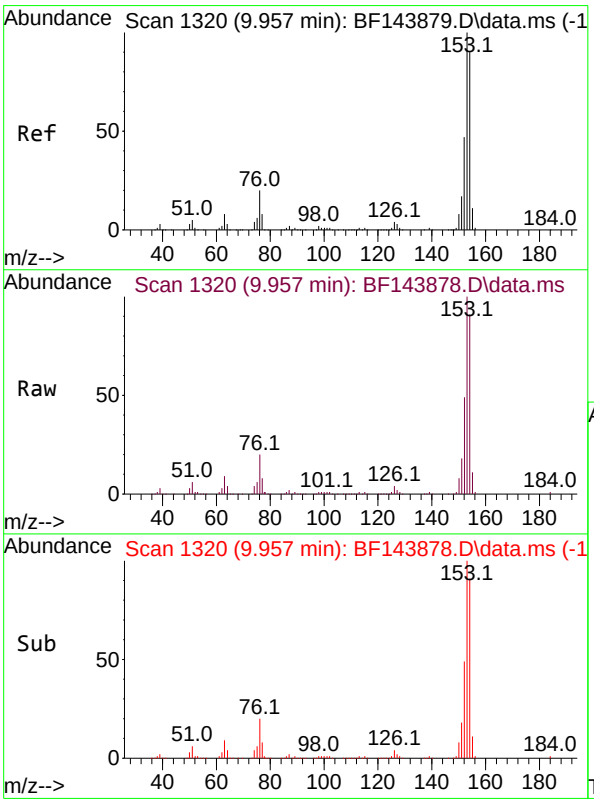
Ion	Ratio	Lower	Upper
165	100		
63	60.7	47.3	70.9
89	51.7	38.2	57.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

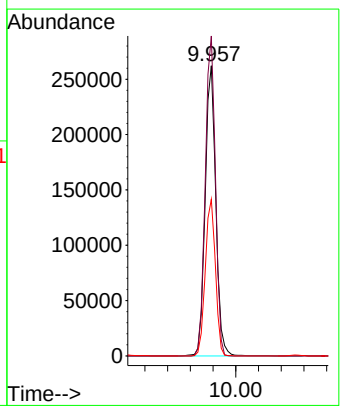


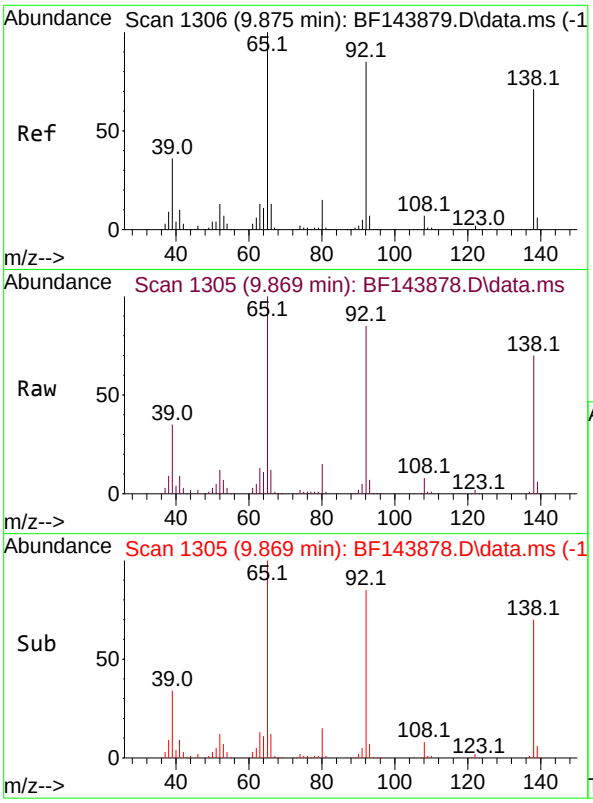


#52
Acenaphthene
Concen: 21.545 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:154 Resp: 341066

Ion	Ratio	Lower	Upper
154	100		
153	110.3	89.3	133.9
152	54.0	42.2	63.2

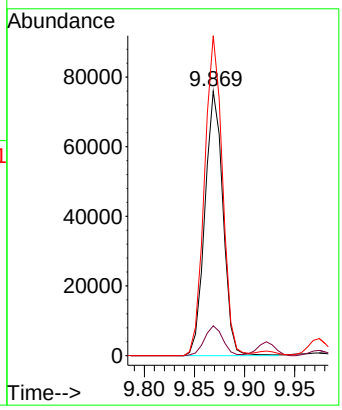




#53
3-Nitroaniline
Concen: 21.194 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:138 Resp: 9512

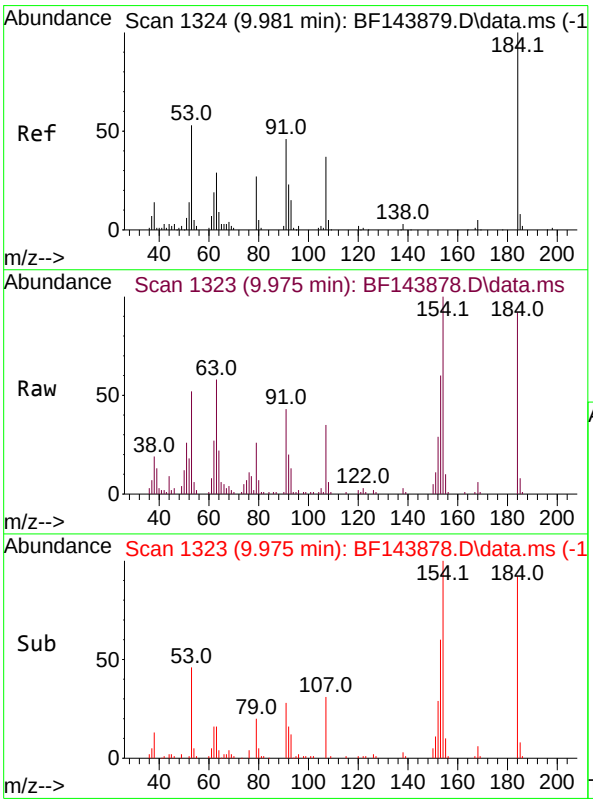
Ion	Ratio	Lower	Upper
138	100		
108	11.3	8.3	12.5
92	121.0	96.2	144.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

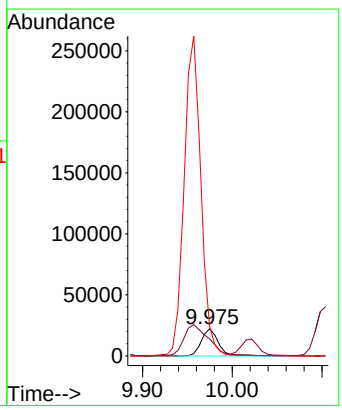
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

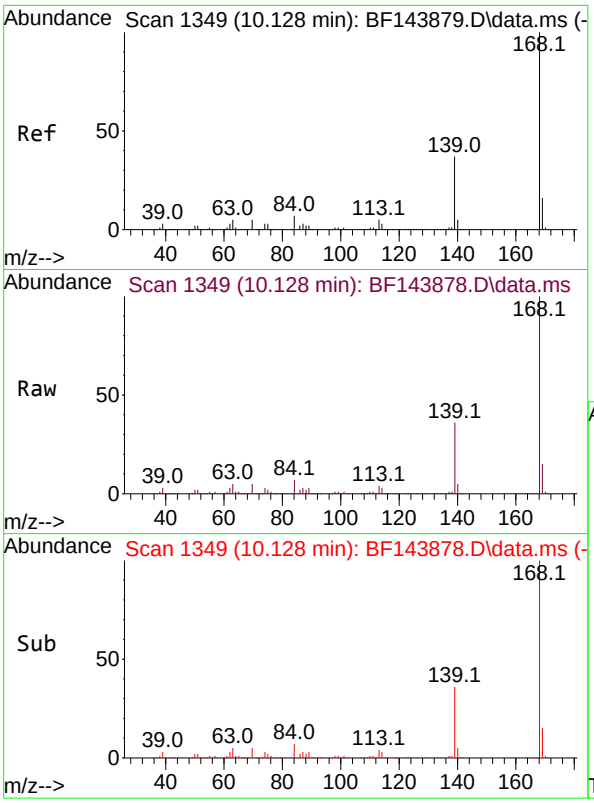


#54
2,4-Dinitrophenol
Concen: 18.734 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.011 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:184 Resp: 29199

Ion	Ratio	Lower	Upper
184	100		
63	63.1	48.2	72.4
154	108.6	49.2	73.8#

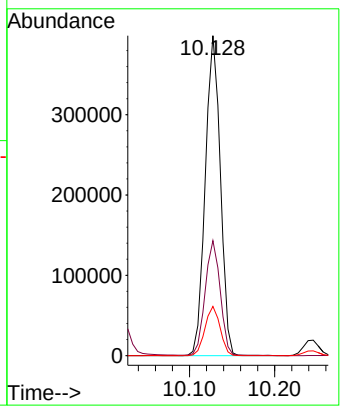




#55
Dibenzofuran
Concen: 21.894 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:168 Resp: 48925

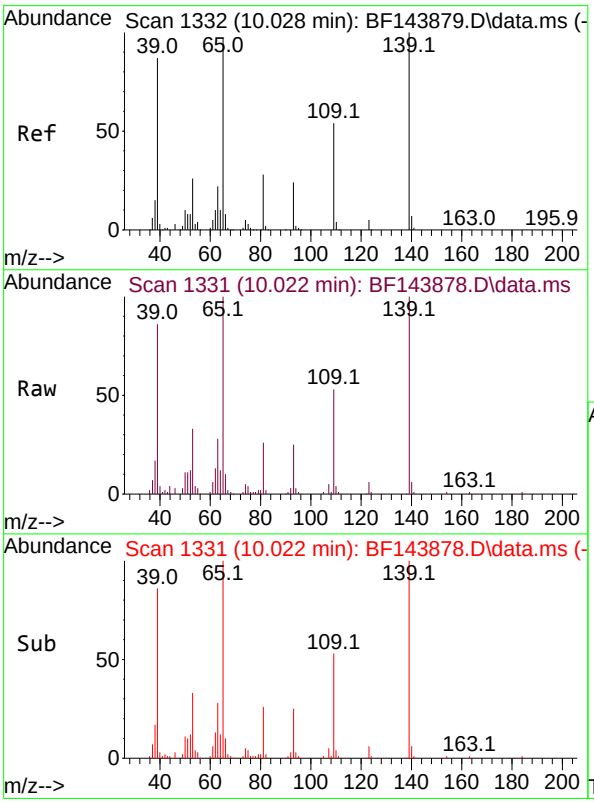
Ion	Ratio	Lower	Upper
168	100		
139	35.9	29.8	44.8
169	15.4	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

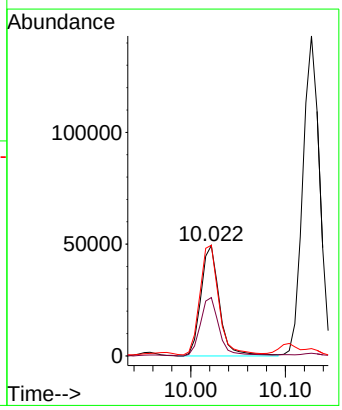
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

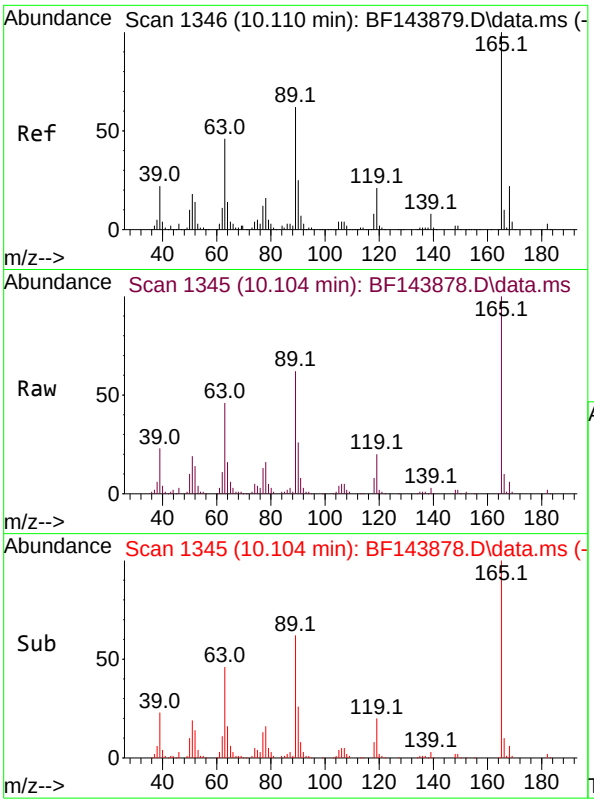


#56
4-Nitrophenol
Concen: 19.694 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.017 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:139 Resp: 66930

Ion	Ratio	Lower	Upper
139	100		
109	52.9	34.5	74.5
65	100.3	77.6	117.6

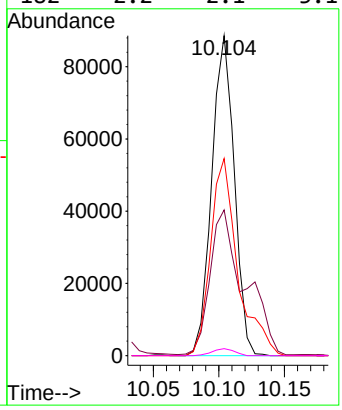




#57
2,4-Dinitrotoluene
Concen: 21.280 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:165 Resp: 10613

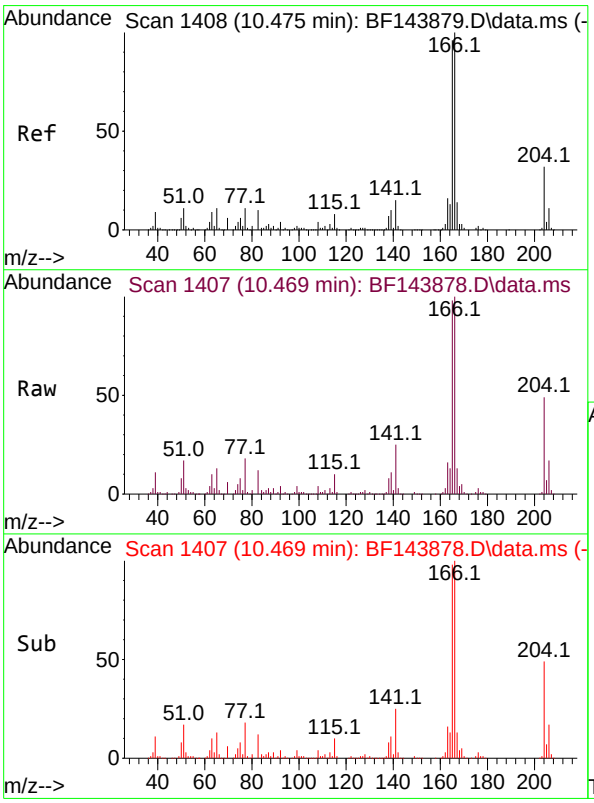
Ion	Ratio	Lower	Upper
165	100		
63	45.5	37.2	55.8
89	61.6	49.4	74.2
182	2.2	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

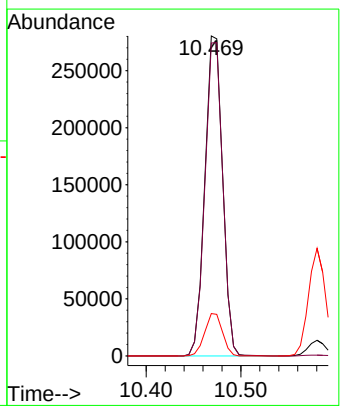
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

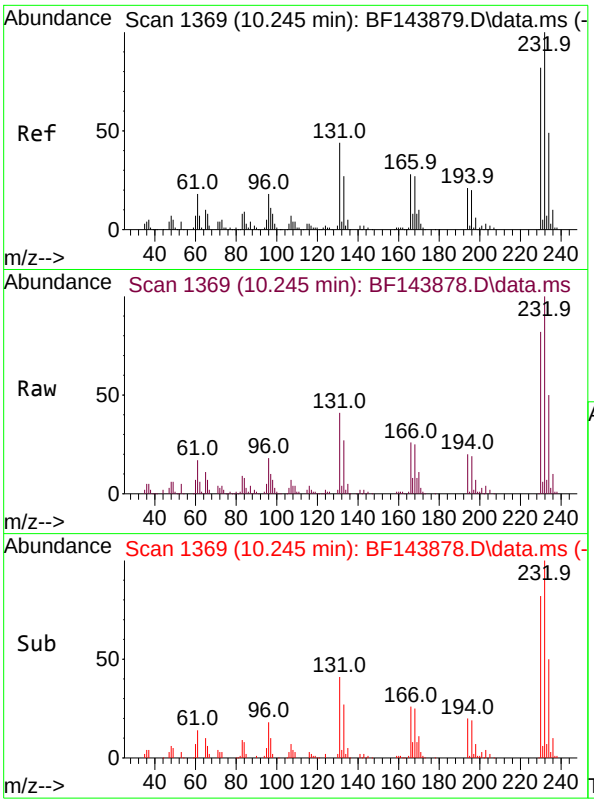


#58
Fluorene
Concen: 21.659 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:166 Resp: 365206

Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.0	115.6
167	13.2	11.1	16.7

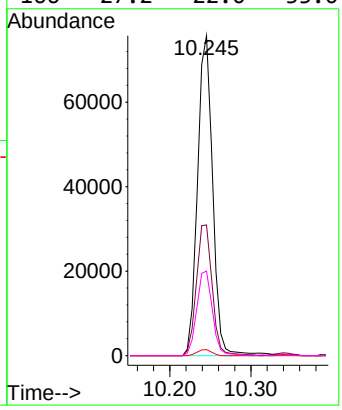




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.869 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:232 Resp: 9813

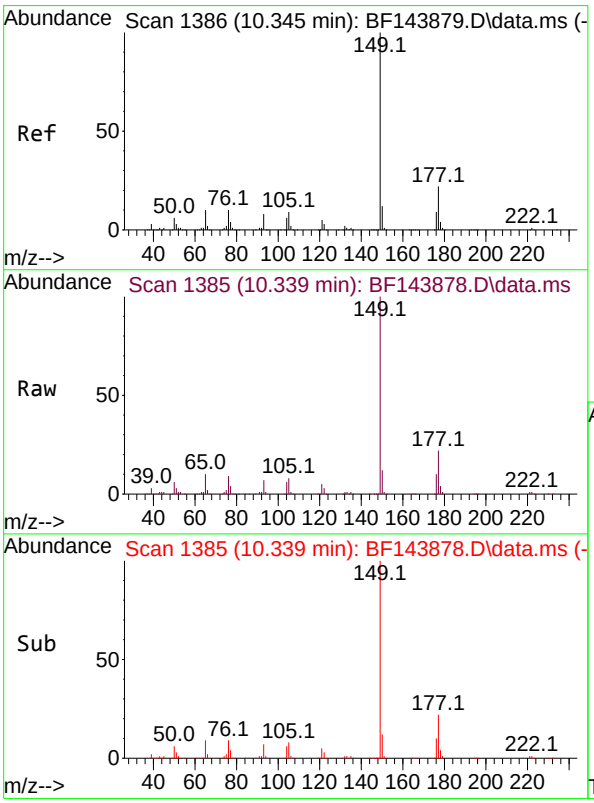
Ion	Ratio	Lower	Upper
232	100		
131	42.6	34.9	52.3
130	1.8	1.6	2.4
166	27.2	22.0	33.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

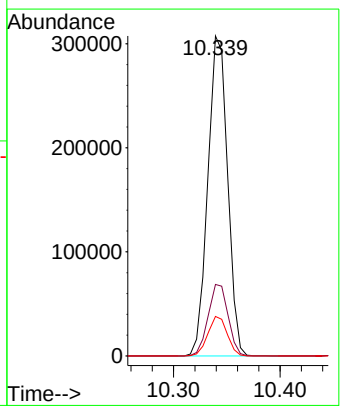
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

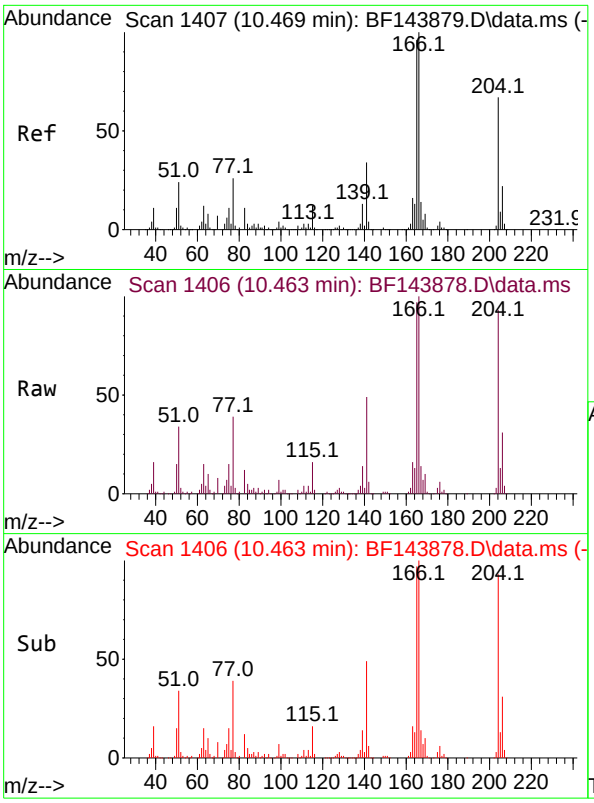


#60
Diethylphthalate
Concen: 21.575 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:149 Resp: 396233

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.9	26.9
150	12.3	9.8	14.8





#61
4-Chlorophenyl-phenylether
Concen: 21.860 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

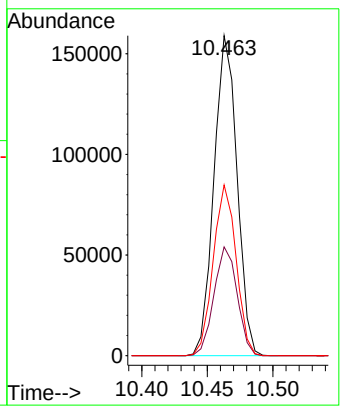
Tgt Ion:204 Resp: 19487

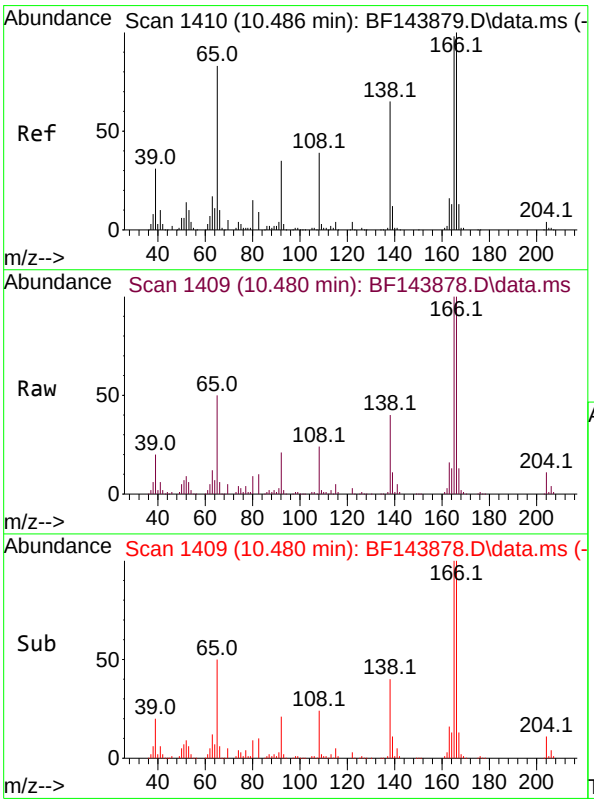
Ion	Ratio	Lower	Upper
204	100		
206	34.0	26.6	40.0
141	53.4	40.4	60.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

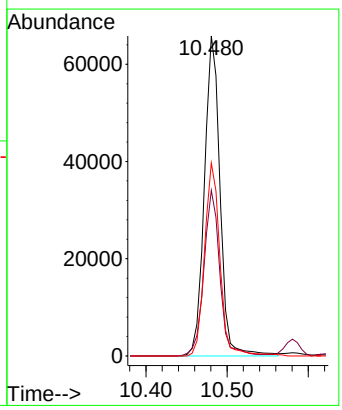


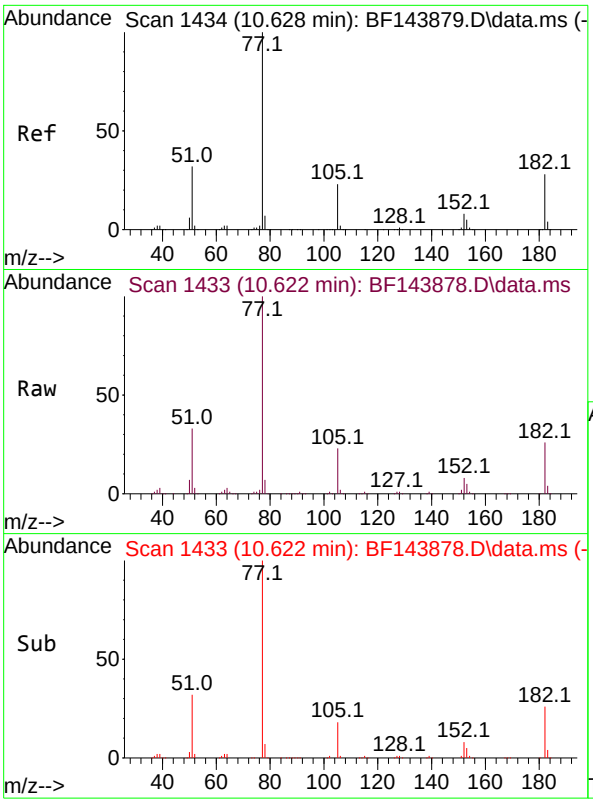


#62
4-Nitroaniline
Concen: 20.526 ng
RT: 10.480 min Scan# 1409
Delta R.T. -0.029 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:138 Resp: 88594

Ion	Ratio	Lower	Upper
138	100		
92	51.7	33.9	73.9
108	60.3	40.2	80.2

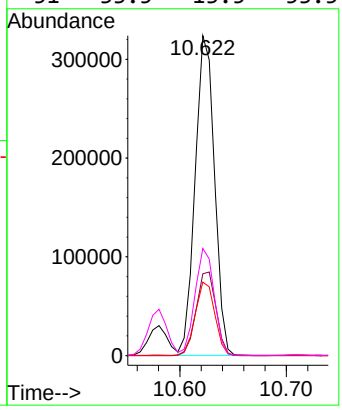




#63
Azobenzene
Concen: 21.218 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 77 Resp: 40726

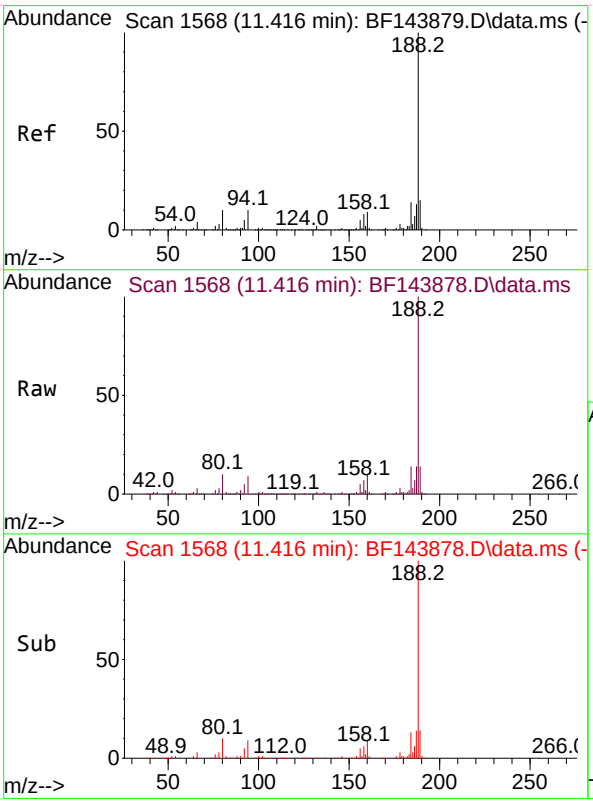
Ion	Ratio	Lower	Upper
77	100		
182	25.6	7.3	47.3
105	23.0	3.0	43.0
51	33.5	13.5	53.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

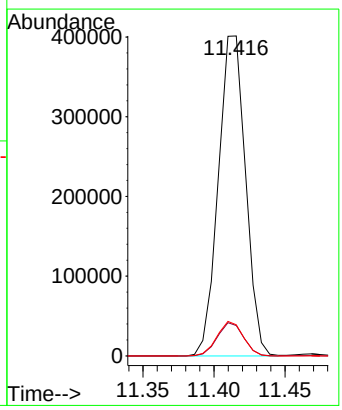
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

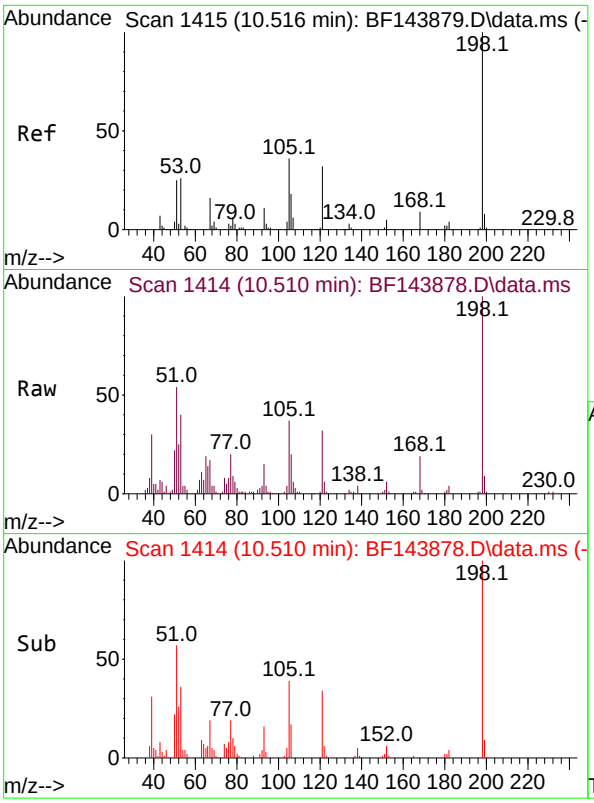


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:188 Resp: 536961

Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.8	11.6
80	9.7	7.9	11.9

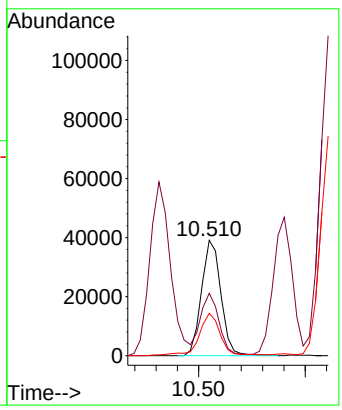




#65
4,6-Dinitro-2-methylphenol
Concen: 18.309 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:198 Resp: 4940

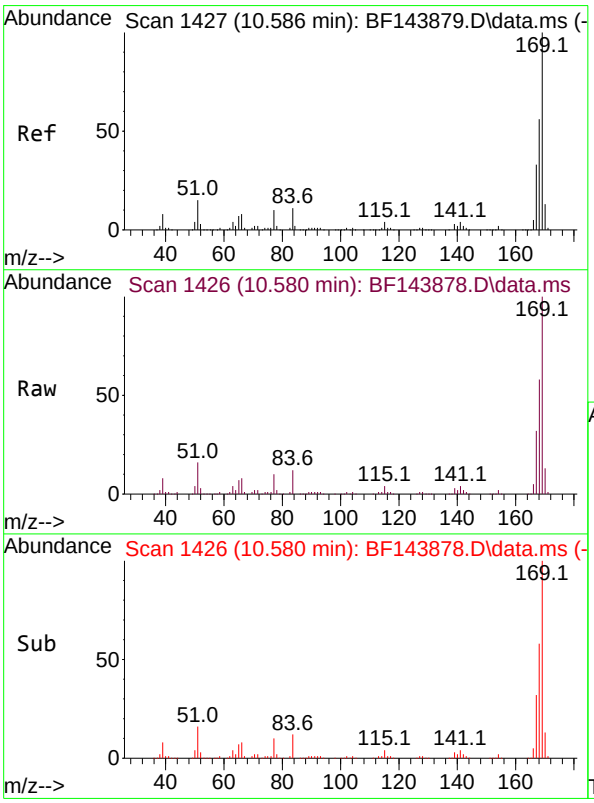
Ion	Ratio	Lower	Upper
198	100		
51	54.1	33.8	73.8
105	36.7	17.0	57.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

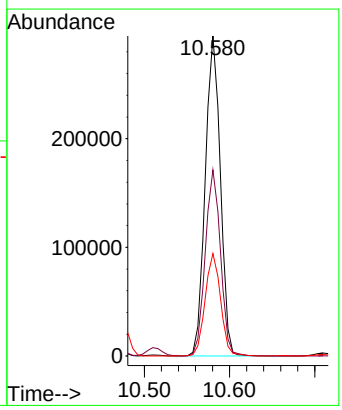
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

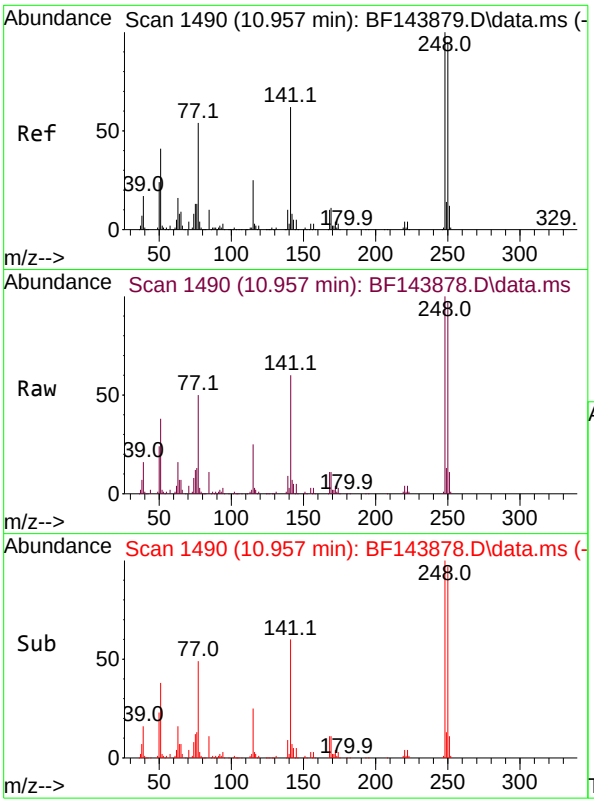


#66
n-Nitrosodiphenylamine
Concen: 21.484 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:169 Resp: 362217

Ion	Ratio	Lower	Upper
169	100		
168	58.1	44.9	67.3
167	32.0	26.3	39.5

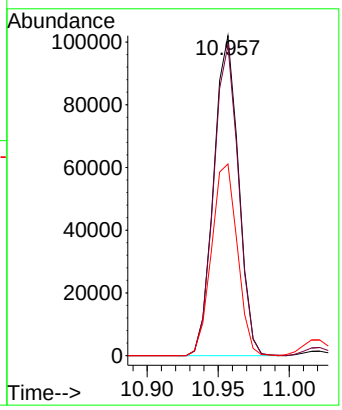




#67
4-Bromophenyl-phenylether
Concen: 20.876 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:248 Resp: 12388

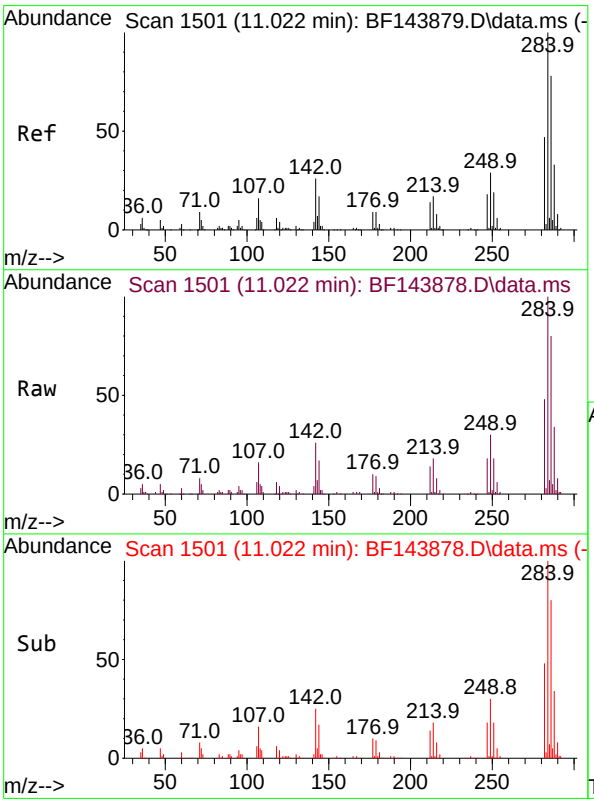
Ion	Ratio	Lower	Upper
248	100		
250	97.0	76.3	114.5
141	59.9	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

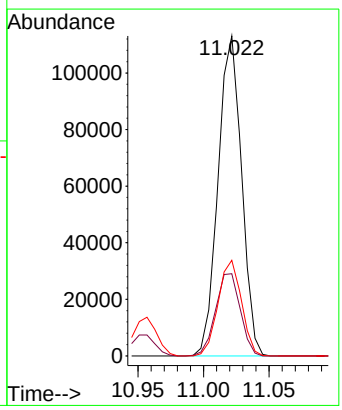
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

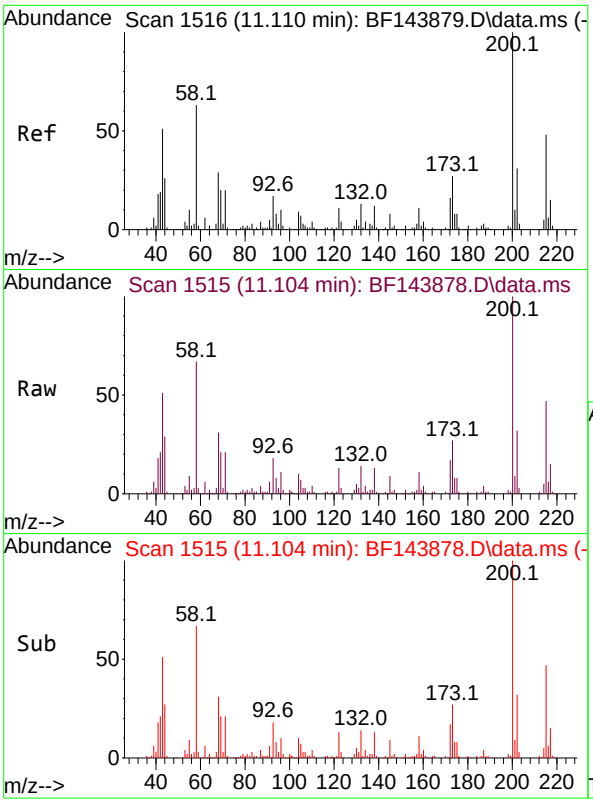


#68
Hexachlorobenzene
Concen: 20.570 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:284 Resp: 141316

Ion	Ratio	Lower	Upper
284	100		
142	25.7	20.6	30.8
249	29.9	23.2	34.8

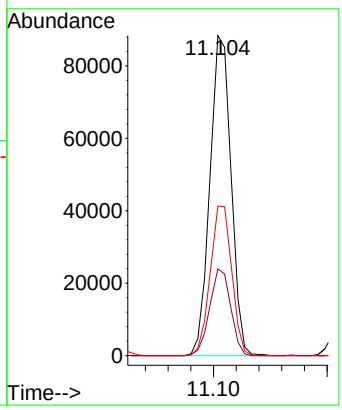




#69
Atrazine
Concen: 22.405 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:200 Resp: 11449

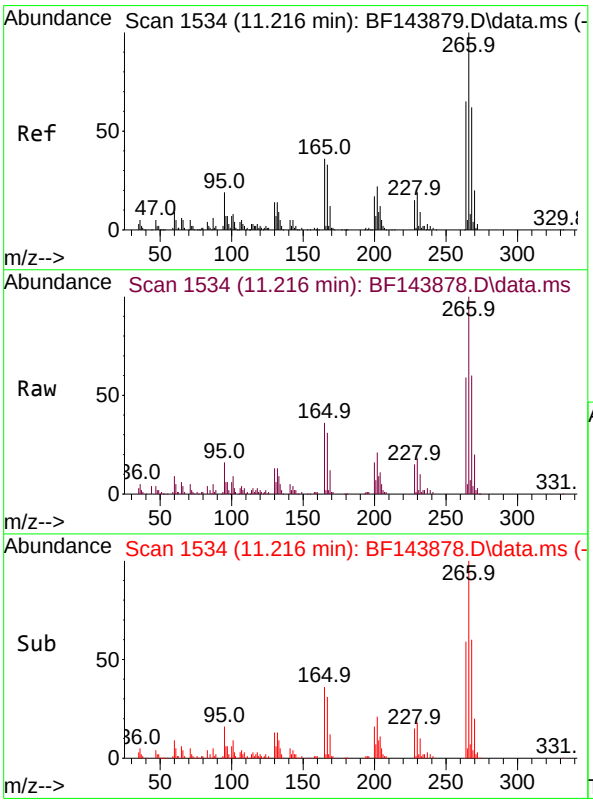
Ion	Ratio	Lower	Upper
200	100		
173	27.1	7.0	47.0
215	46.7	27.8	67.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

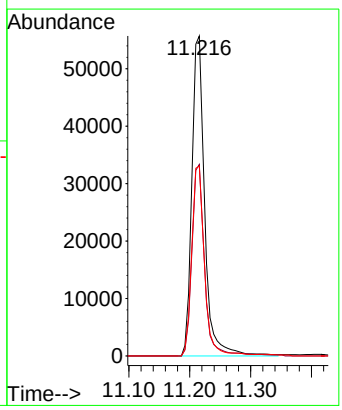
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

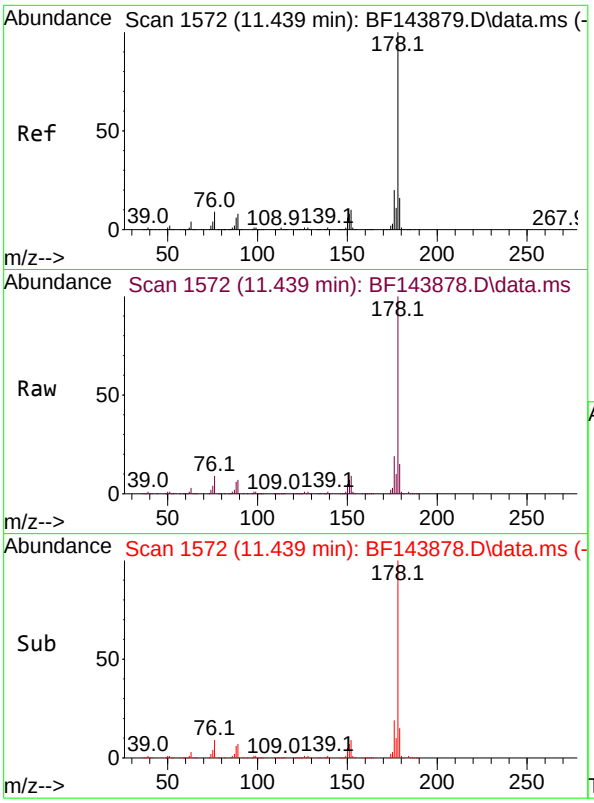


#70
Pentachlorophenol
Concen: 20.687 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:266 Resp: 81624

Ion	Ratio	Lower	Upper
266	100		
268	59.8	49.4	74.0
264	59.4	51.8	77.6

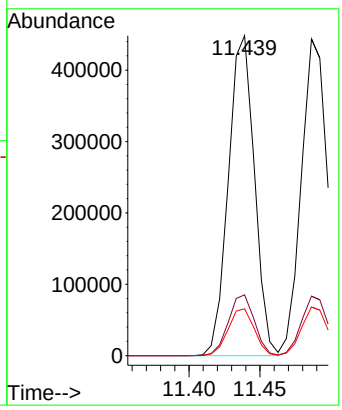




#71
Phenanthrene
Concen: 21.979 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:178 Resp: 57215

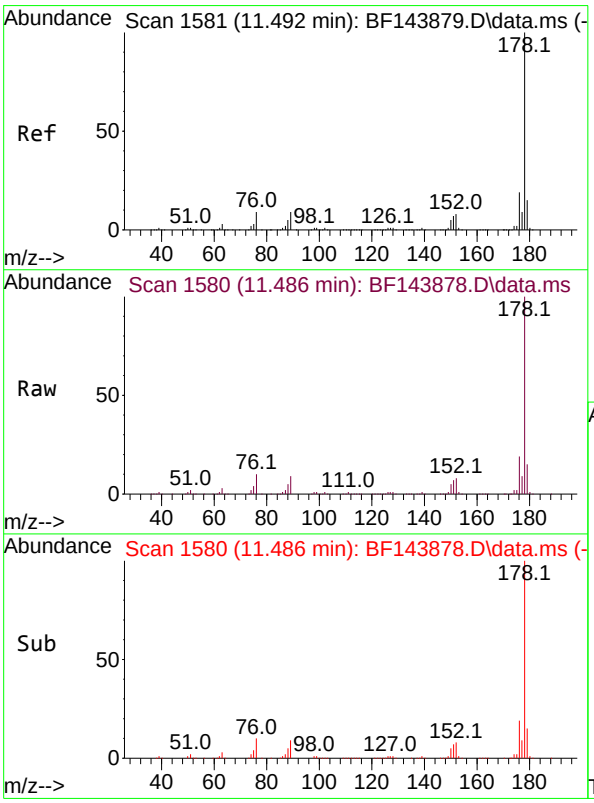
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.9	23.9
179	14.6	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

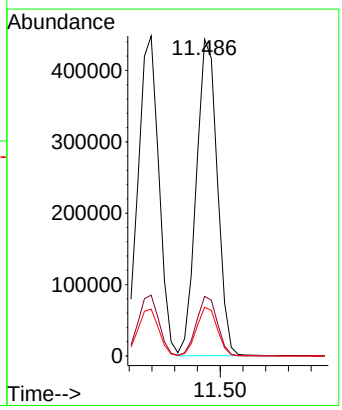
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

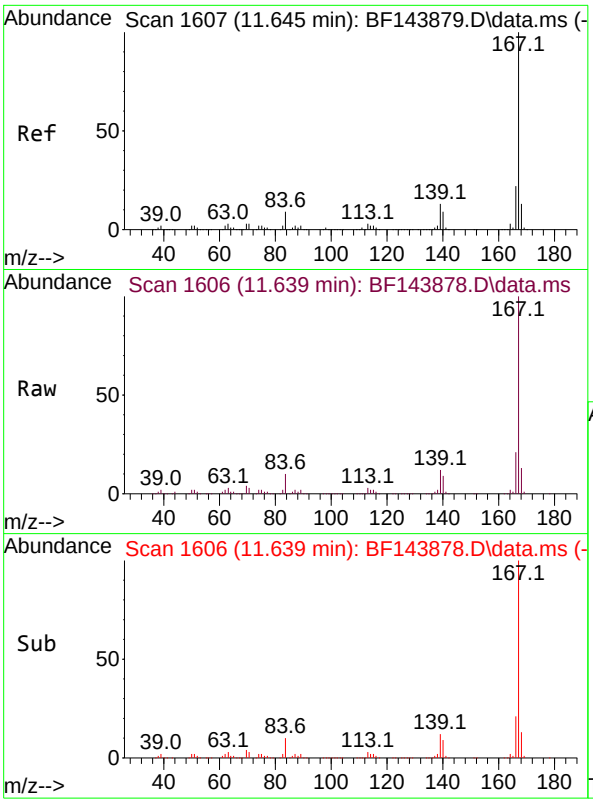


#72
Anthracene
Concen: 21.588 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:178 Resp: 567724

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.3	12.2	18.2

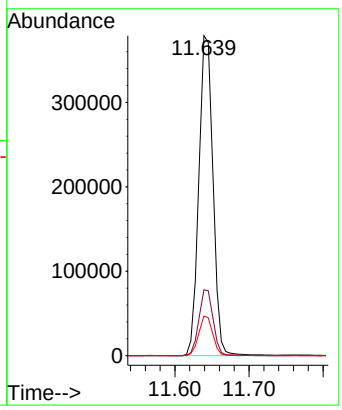




#73
Carbazole
Concen: 21.651 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:167 Resp: 50428

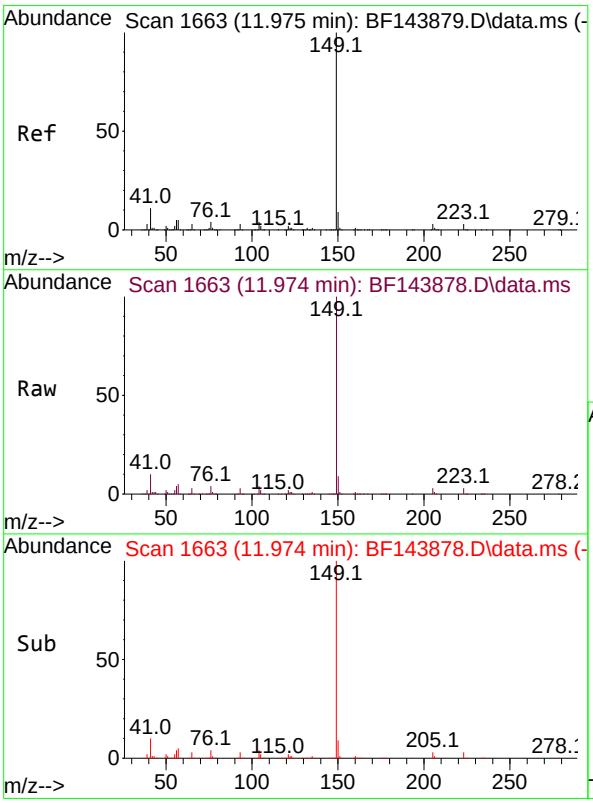
Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.2	25.8
139	12.4	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

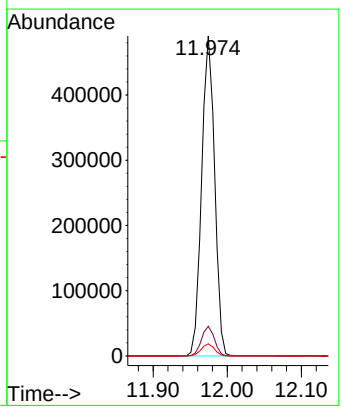
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

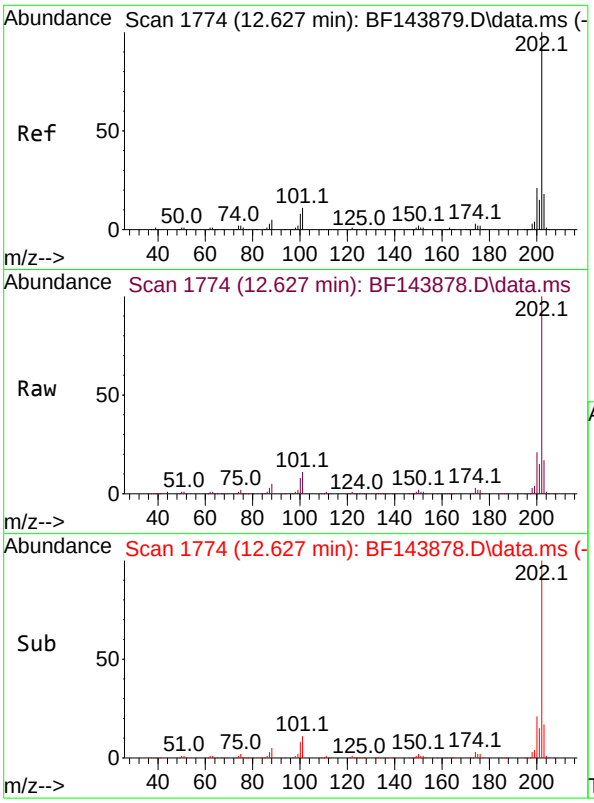


#74
Di-n-butylphthalate
Concen: 22.047 ng
RT: 11.974 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:149 Resp: 595140

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	3.8	3.4	5.2

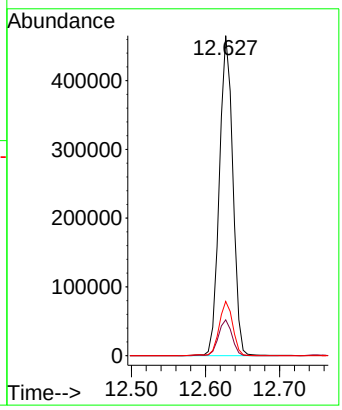




#75
Fluoranthene
Concen: 21.843 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:202 Resp: 587348

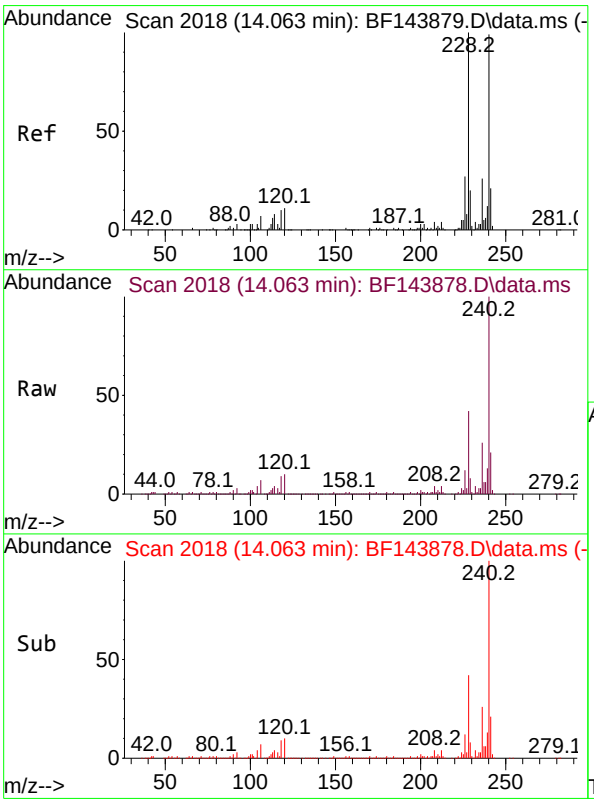
Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	30.7
203	16.9	0.0	37.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

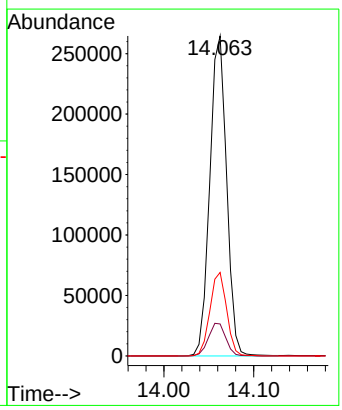
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

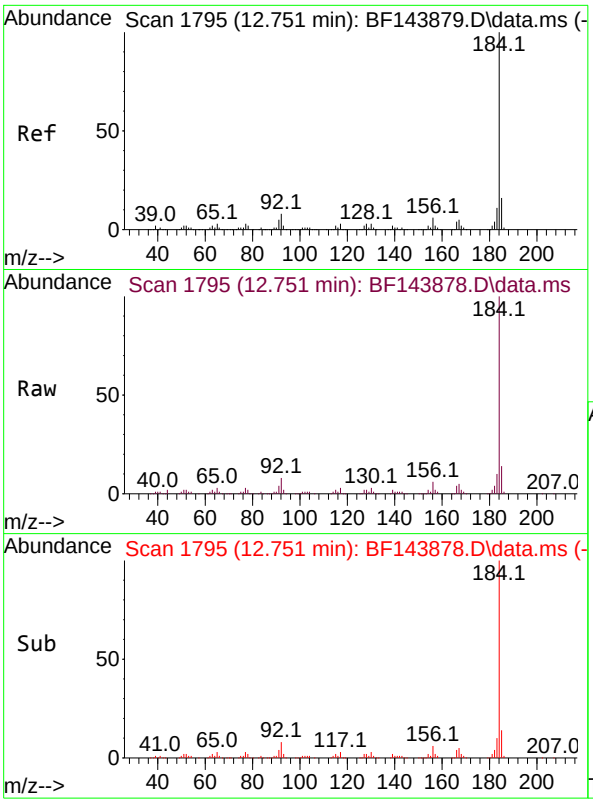


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:240 Resp: 346764

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.6	13.0
236	26.1	21.1	31.7

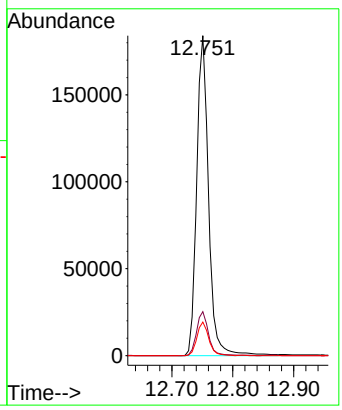




#77
Benzidine
Concen: 20.710 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:184 Resp: 249358

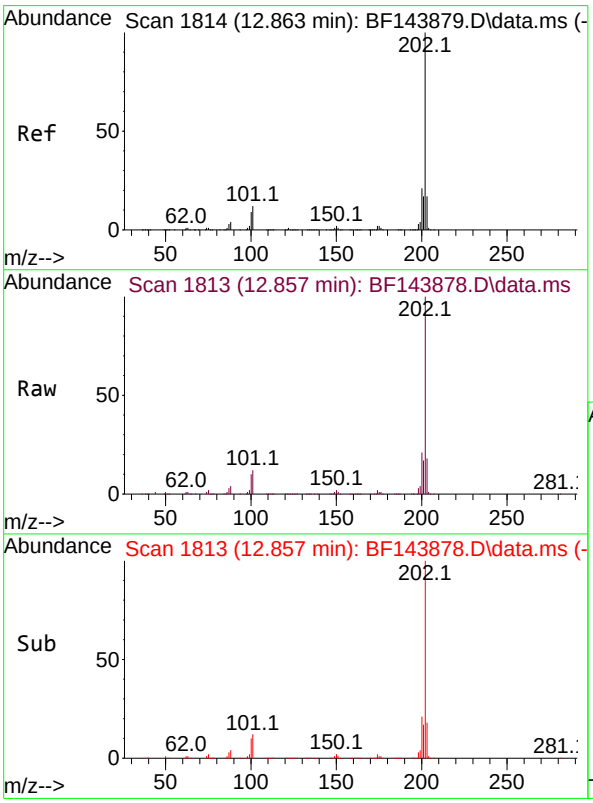
Ion	Ratio	Lower	Upper
184	100		
185	13.7	12.6	18.8
183	10.5	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

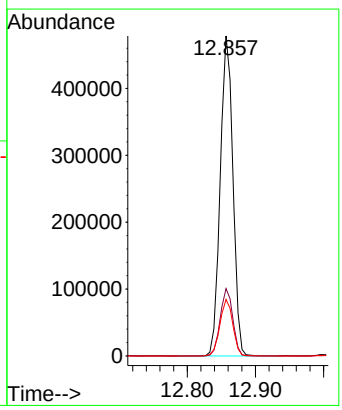
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

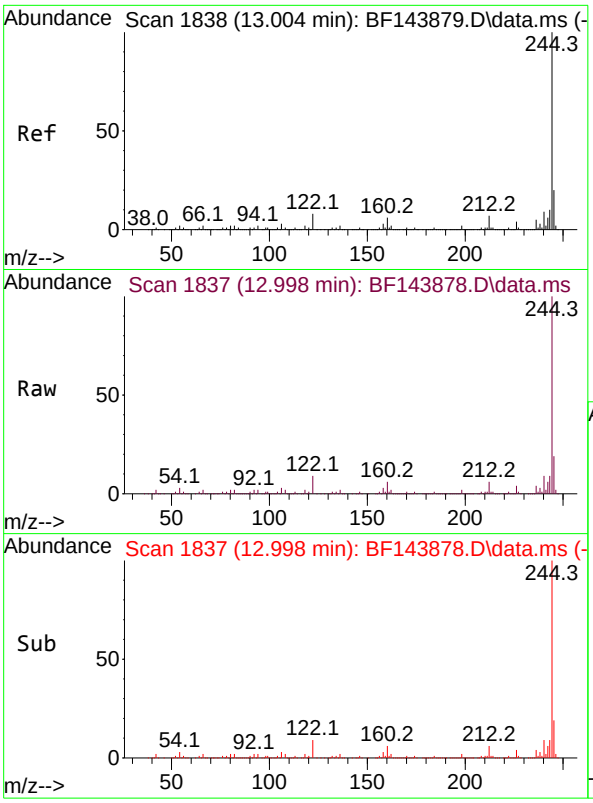


#78
Pyrene
Concen: 21.215 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:202 Resp: 613300

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.6
203	17.6	13.8	20.6

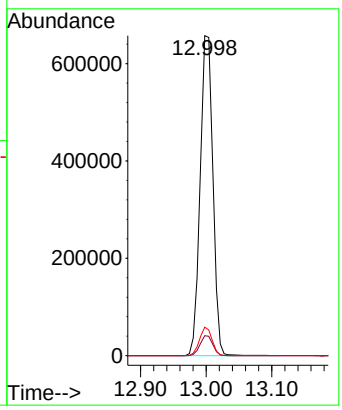




#79
Terphenyl-d14
Concen: 43.445 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:244 Resp: 88148

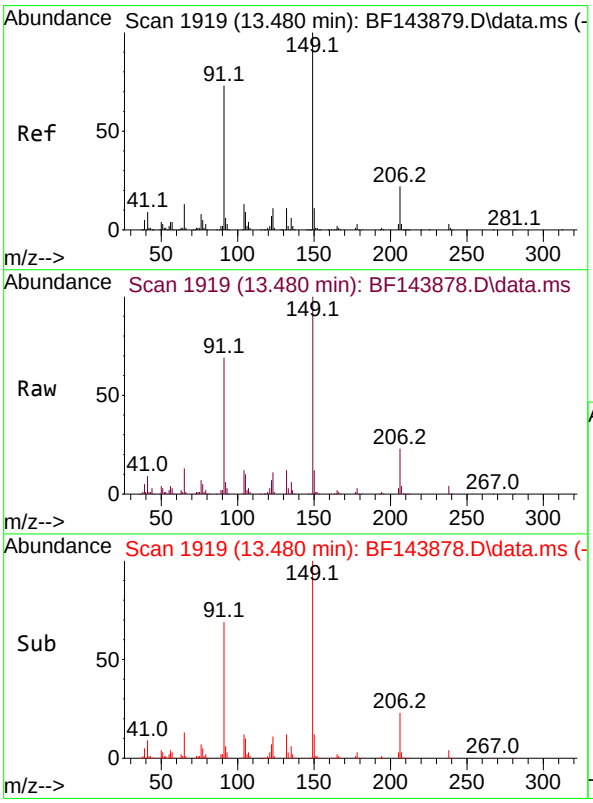
Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.4	8.0
122	8.9	6.4	9.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

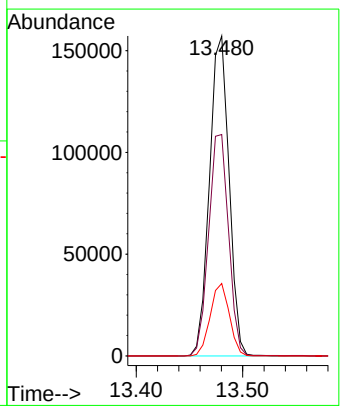
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

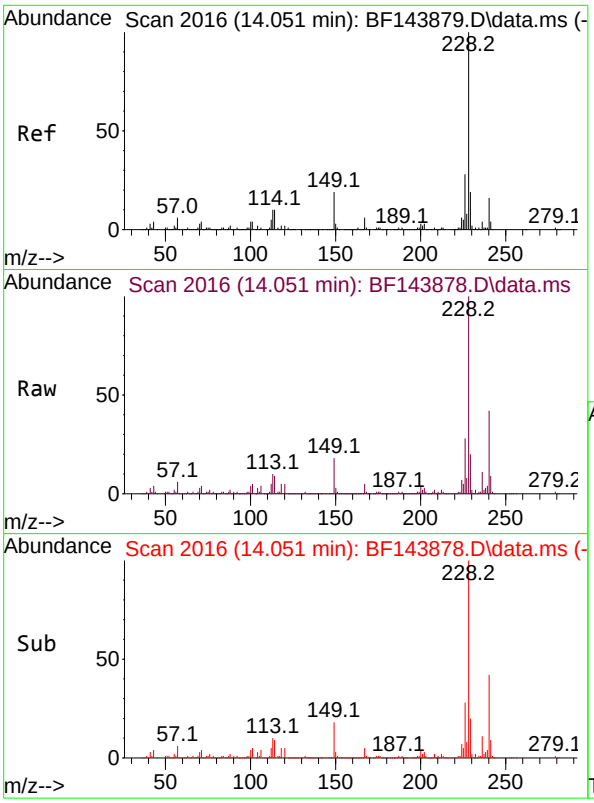


#80
Butylbenzylphthalate
Concen: 21.391 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:149 Resp: 200832

Ion	Ratio	Lower	Upper
149	100		
91	69.2	58.2	87.2
206	22.6	17.9	26.9

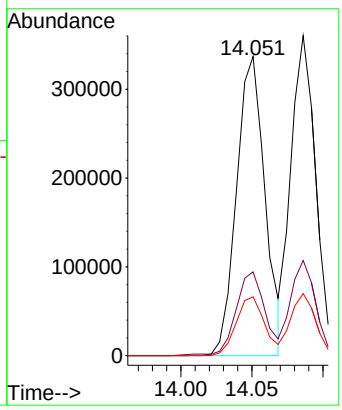




#81
Benzo(a)anthracene
Concen: 20.693 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:228 Resp: 46956

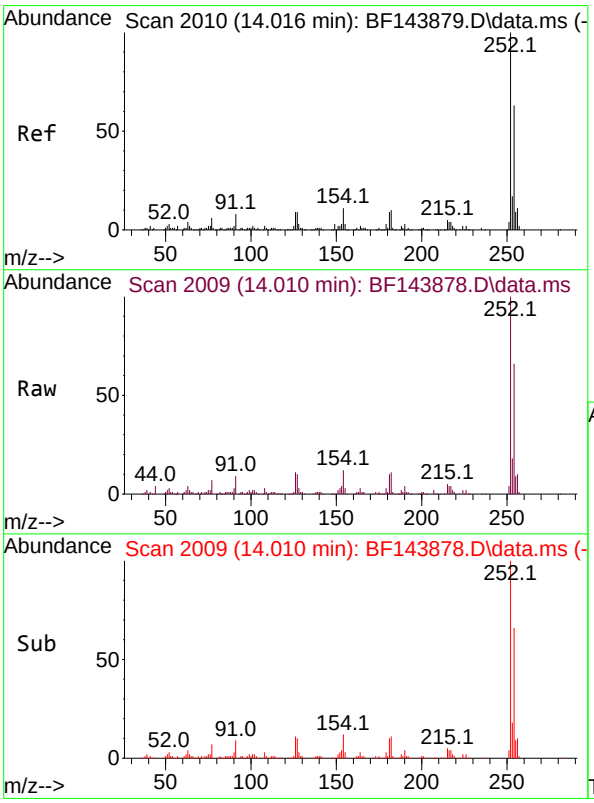
Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.2	33.2
229	19.7	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

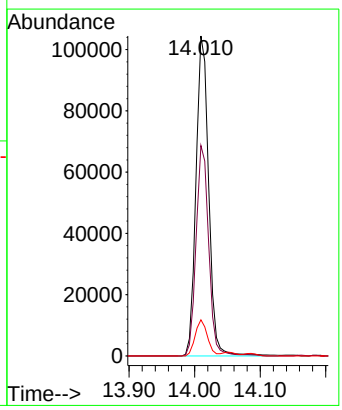
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

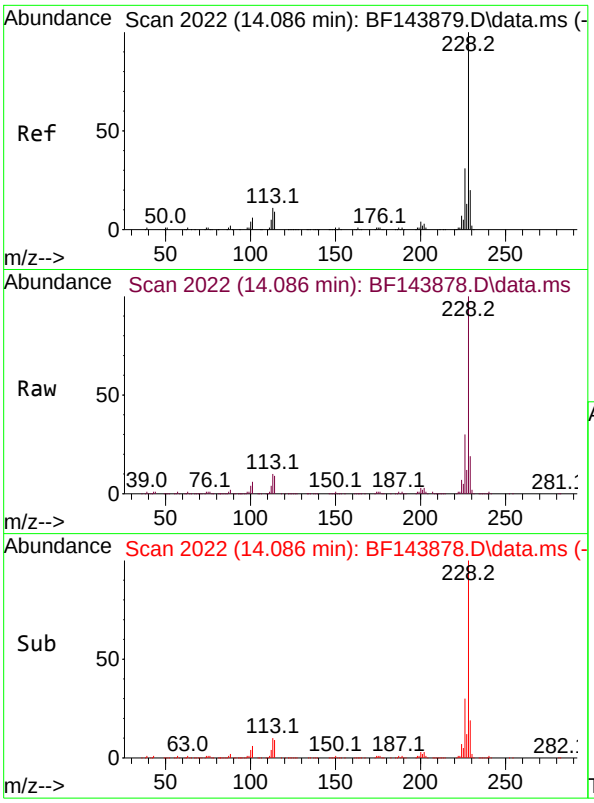


#82
3,3'-Dichlorobenzidine
Concen: 20.219 ng
RT: 14.010 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:252 Resp: 139822

Ion	Ratio	Lower	Upper
252	100		
254	65.7	50.6	76.0
126	11.3	7.0	10.6#

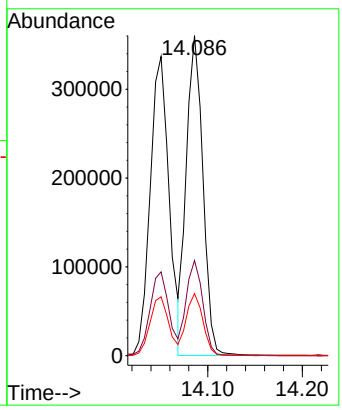




#83
Chrysene
Concen: 20.920 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:228 Resp: 43937

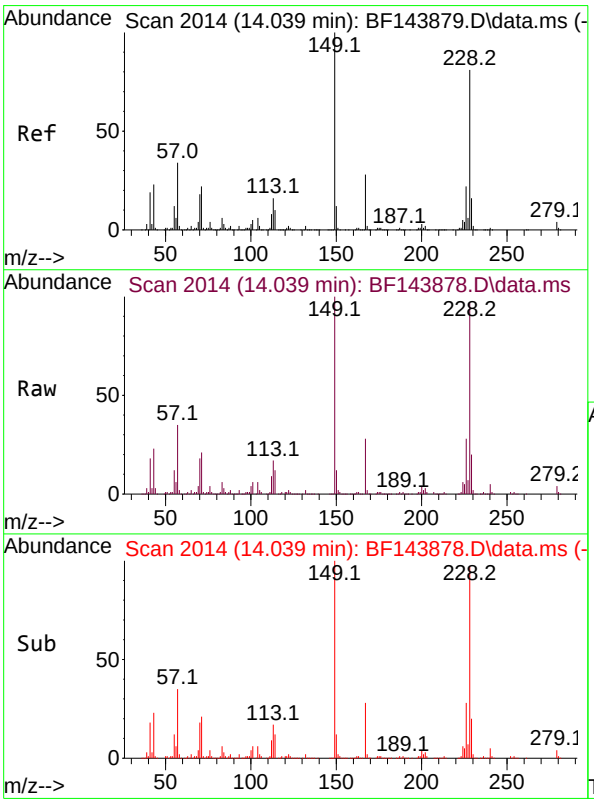
Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.4	36.6
229	19.4	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

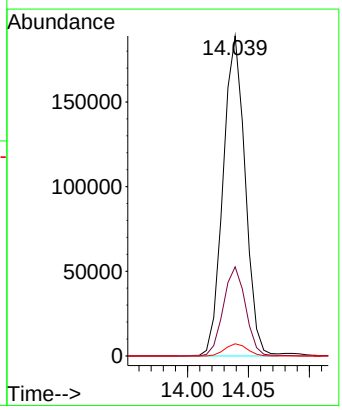
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

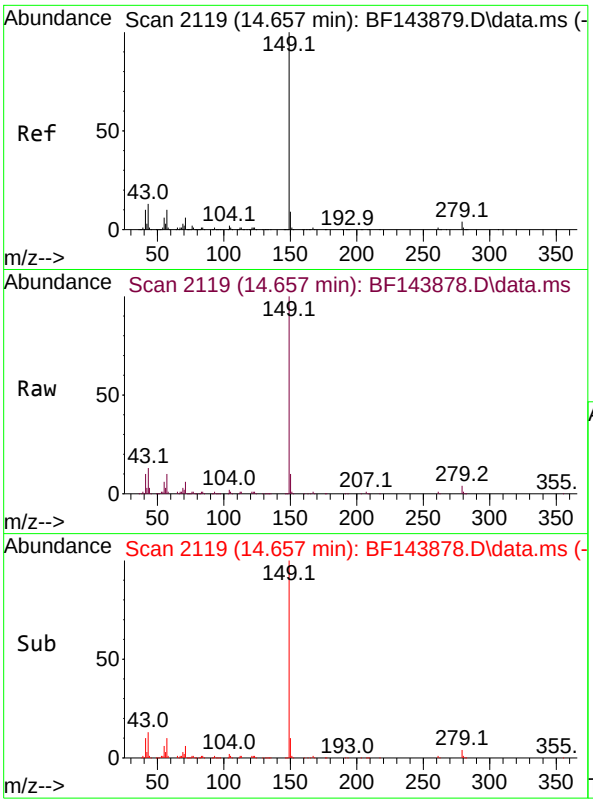


#84
Bis(2-ethylhexyl)phthalate
Concen: 21.041 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:149 Resp: 238132

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.2	33.4
279	3.8	3.1	4.7

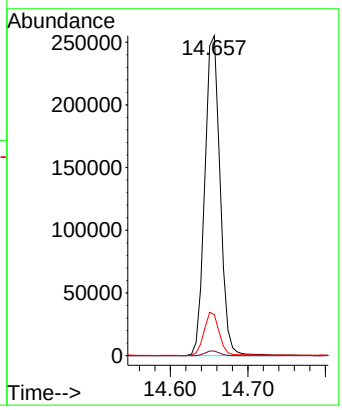




#85
Di-n-octyl phthalate
Concen: 18.814 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:149 Resp: 34972

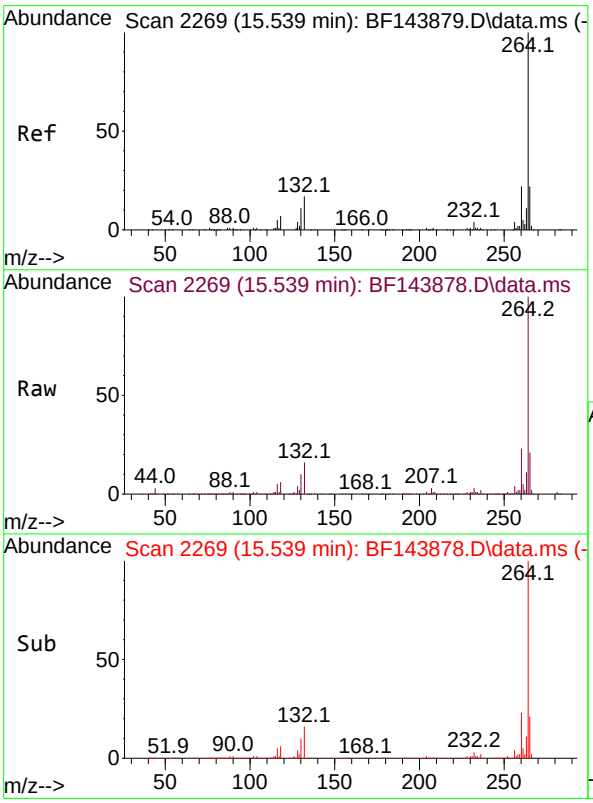
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	13.8	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

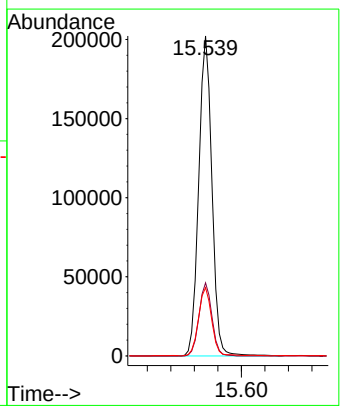
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

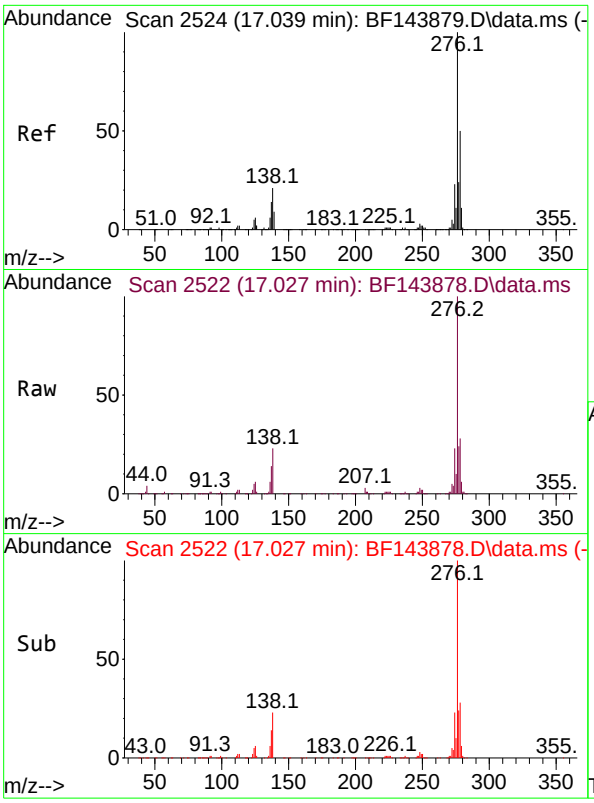


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:264 Resp: 314616

Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.8	26.8
265	21.3	17.5	26.3

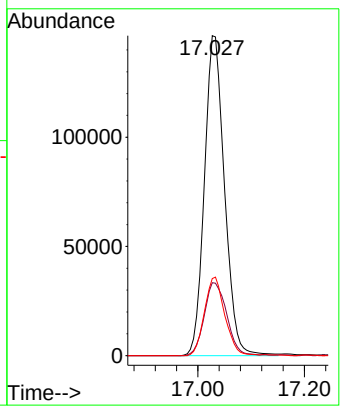




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.942 ng
RT: 17.027 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:276 Resp: 384441

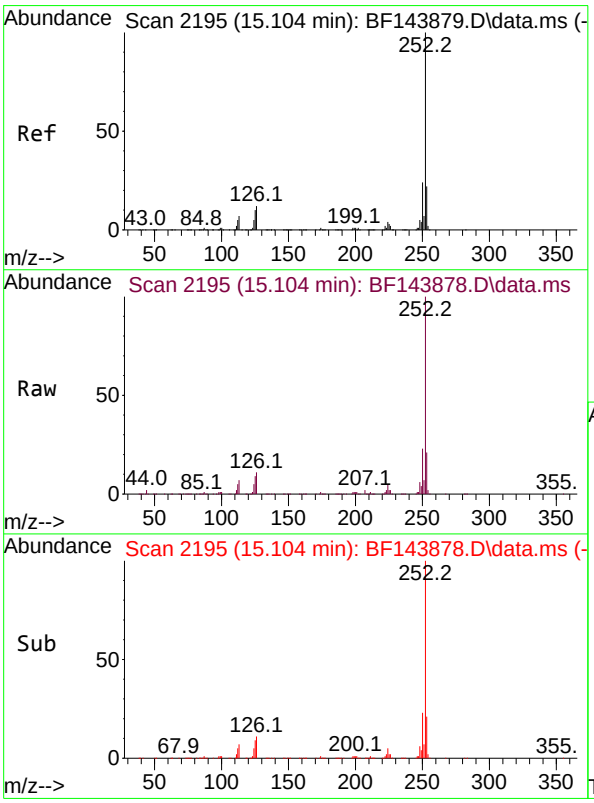
Ion	Ratio	Lower	Upper
276	100		
138	25.5	18.2	27.2
277	25.0	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

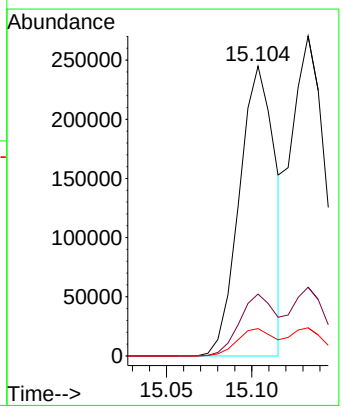
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

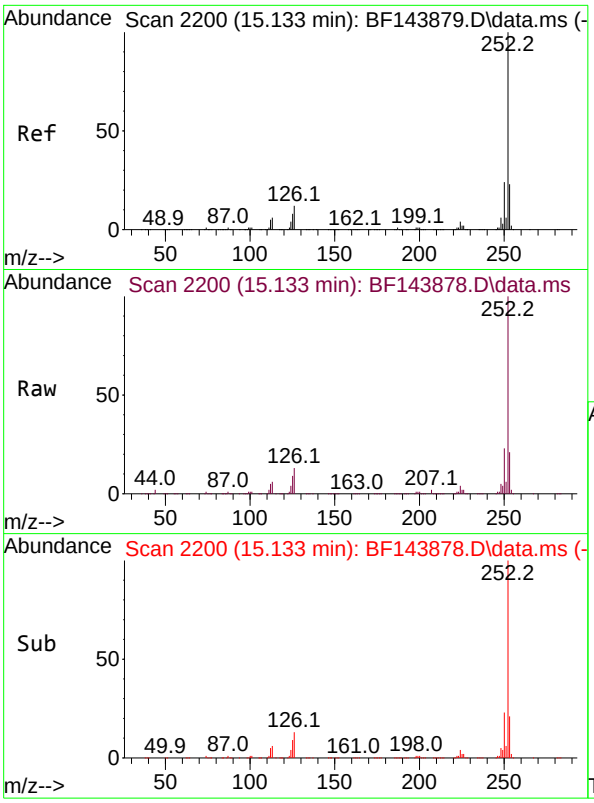


#88
Benzo(b)fluoranthene
Concen: 19.692 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:252 Resp: 355882

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	9.4	7.8	11.6

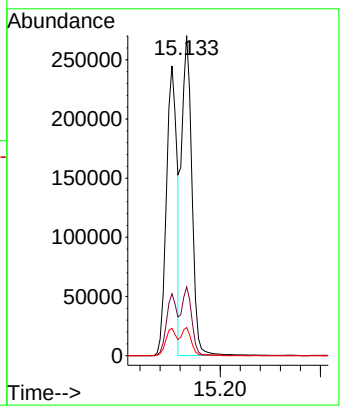




#89
Benzo(k)fluoranthene
Concen: 23.106 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:252 Resp: 38639

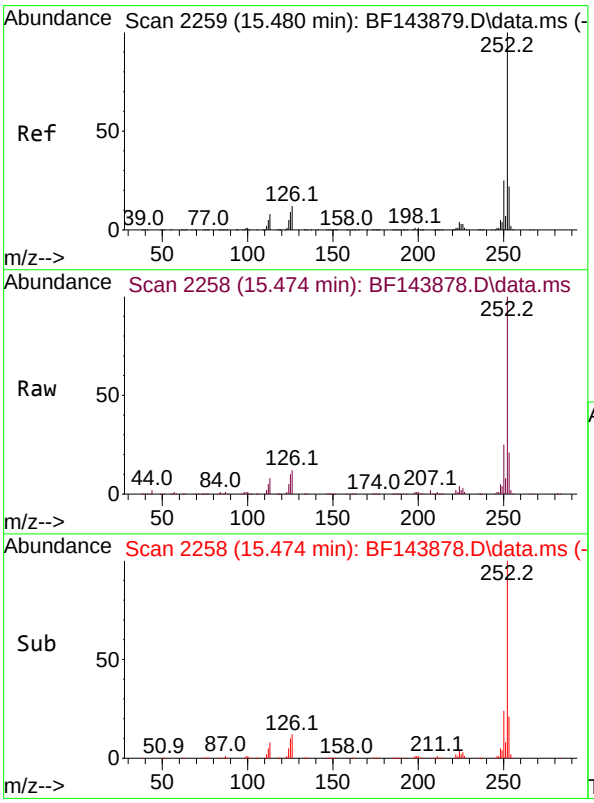
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	8.8	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

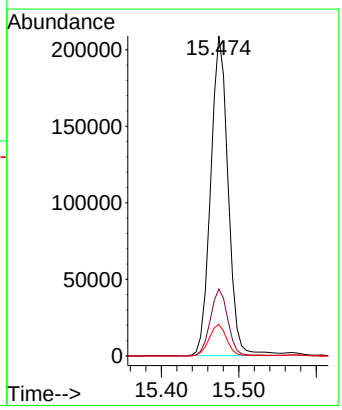
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

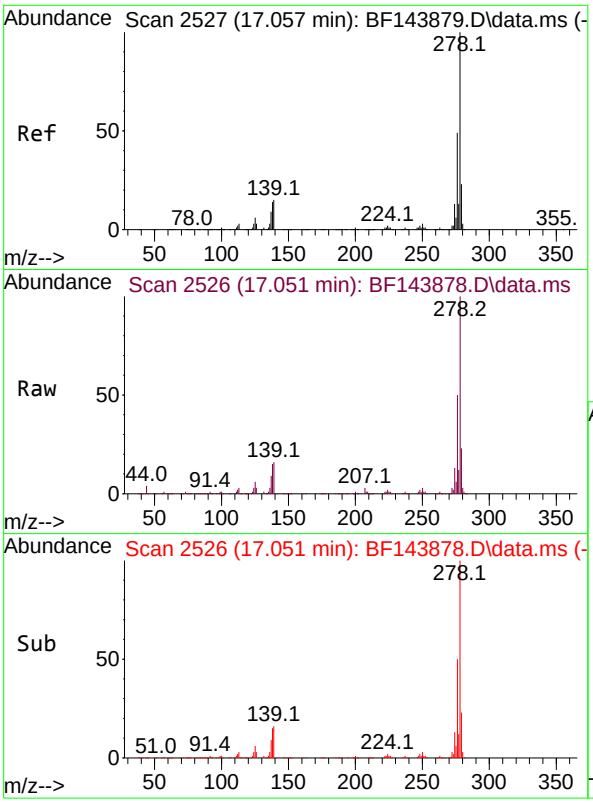


#90
Benzo(a)pyrene
Concen: 20.822 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:252 Resp: 326291

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.3	25.9
125	9.8	7.0	10.4

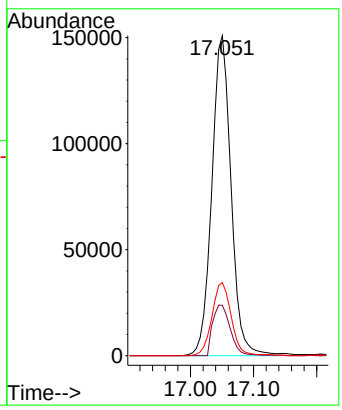




#91
Dibenzo(a,h)anthracene
Concen: 20.589 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:278 Resp: 31921

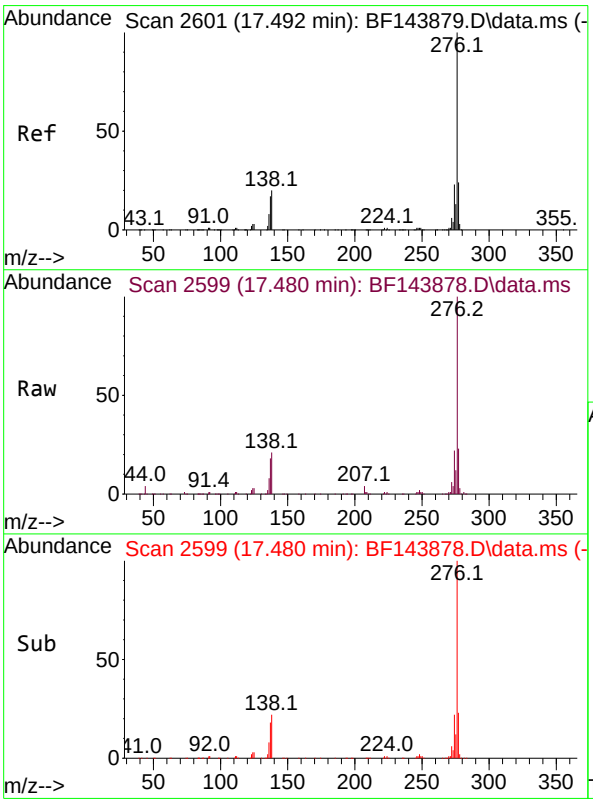
Ion	Ratio	Lower	Upper
278	100		
139	15.7	11.7	17.5
279	22.8	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

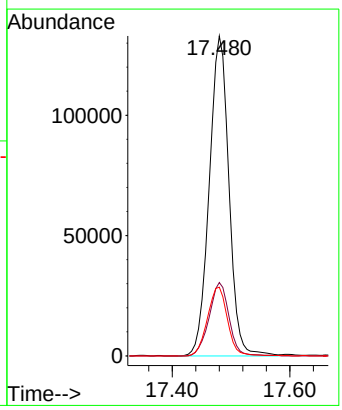
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#92
Benzo(g,h,i)perylene
Concen: 19.937 ng
RT: 17.480 min Scan# 2599
Delta R.T. -0.035 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:276 Resp: 309120

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.0	28.6
138	21.5	16.1	24.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143879.D
Acq On : 06 Oct 2025 12:54
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 06 15:38:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	124152	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	479933	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	260024	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	444949	20.000	ng	0.00
76) Chrysene-d12	14.063	240	254576	20.000	ng	0.00
86) Perylene-d12	15.539	264	250969	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	649121	83.027	ng	0.00
7) Phenol-d6	6.504	99	765629	82.158	ng	-0.01
23) Nitrobenzene-d5	7.445	82	662754	83.898	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	215478	83.200	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1273210	77.695	ng	0.00
79) Terphenyl-d14	13.004	244	1302632	87.451	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	151157	41.781	ng	100
3) Pyridine	3.410	79	439985	41.775	ng	100
4) n-Nitrosodimethylamine	3.357	42	225827	40.760	ng	100
6) Aniline	6.545	93	581779	41.662	ng	100
8) 2-Chlorophenol	6.663	128	321394	42.055	ng	100
9) Benzaldehyde	6.434	77	330062	45.914	ng	100
10) Phenol	6.516	94	457250m	41.042	ng	
11) bis(2-Chloroethyl)ether	6.616	93	358980	41.712	ng	100
12) 1,3-Dichlorobenzene	6.822	146	376359	41.141	ng	100
13) 1,4-Dichlorobenzene	6.898	146	372118	41.238	ng	100
14) 1,2-Dichlorobenzene	7.051	146	356137	41.204	ng	100
15) Benzyl Alcohol	7.022	79	291212	41.707	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	804199	41.052	ng	100
17) 2-Methylphenol	7.128	107	261669	41.430	ng	100
18) Hexachloroethane	7.398	117	124325	41.313	ng	100
19) n-Nitroso-di-n-propyla...	7.298	70	254701	39.929	ng	100
20) 3+4-Methylphenols	7.281	107	314281	42.934	ng	100
22) Acetophenone	7.292	105	415513	40.946	ng	100
24) Nitrobenzene	7.463	77	375708	42.828	ng	100
25) Isophorone	7.704	82	677007	40.645	ng	100
26) 2-Nitrophenol	7.781	139	167096	44.428	ng	100
27) 2,4-Dimethylphenol	7.810	122	282923	41.818	ng	100
28) bis(2-Chloroethoxy)met...	7.916	93	425986	40.486	ng	100
29) 2,4-Dichlorophenol	8.022	162	294452	41.782	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	286330	41.312	ng	100
31) Naphthalene	8.187	128	894263	40.961	ng	100
32) Benzoic acid	7.916	122	199609m	42.630	ng	
33) 4-Chloroaniline	8.234	127	340866	41.630	ng	100
34) Hexachlorobutadiene	8.304	225	198282	41.170	ng	100
35) Caprolactam	8.604	113	91458	40.816	ng	100
36) 4-Chloro-3-methylphenol	8.710	107	275908	40.758	ng	100
37) 2-Methylnaphthalene	8.881	142	591428	40.669	ng	100
38) 1-Methylnaphthalene	8.981	142	581114	41.196	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	306622	42.665	ng	100
41) Hexachlorocyclopentadiene	9.034	237	133694	44.842	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	231469	44.081	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143879.D
Acq On : 06 Oct 2025 12:54
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 06 15:38:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	237161	42.739	ng	100
46) 1,1'-Biphenyl	9.345	154	714293	41.490	ng	100
47) 2-Chloronaphthalene	9.369	162	591442	41.204	ng	100
48) 2-Nitroaniline	9.463	65	203733	44.894	ng	100
49) Acenaphthylene	9.786	152	844067	41.828	ng	100
50) Dimethylphthalate	9.639	163	671290	40.653	ng	100
51) 2,6-Dinitrotoluene	9.704	165	136198	44.481	ng	100
52) Acenaphthene	9.957	154	547286	41.390	ng	100
53) 3-Nitroaniline	9.875	138	159366	42.507	ng	100
54) 2,4-Dinitrophenol	9.981	184	62187	37.010	ng	100
55) Dibenzofuran	10.128	168	776950	41.625	ng	100
56) 4-Nitrophenol	10.028	139	121519	42.807	ng	100
57) 2,4-Dinitrotoluene	10.110	165	189965	45.597	ng	100
58) Fluorene	10.475	166	570508	40.506	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	168932	43.006	ng	100
60) Diethylphthalate	10.345	149	635433	41.422	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	310008	41.632	ng	100
62) 4-Nitroaniline	10.486	138	151866	42.123	ng	100
63) Azobenzene	10.628	77	665698	41.521	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	98551	44.075	ng	100
66) n-Nitrosodiphenylamine	10.586	169	583617	41.773	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	205559	41.803	ng	100
68) Hexachlorobenzene	11.022	284	237363	41.695	ng	100
69) Atrazine	11.110	200	173212	40.905	ng	100
70) Pentachlorophenol	11.216	266	140140	42.862	ng	100
71) Phenanthrene	11.439	178	868592	40.266	ng	100
72) Anthracene	11.492	178	912011	41.850	ng	100
73) Carbazole	11.645	167	786783	40.765	ng	100
74) Di-n-butylphthalate	11.975	149	936899	41.884	ng	100
75) Fluoranthene	12.627	202	918503	41.223	ng	100
77) Benzidine	12.751	184	387464	43.833	ng	100
78) Pyrene	12.863	202	948521	44.692	ng	100
80) Butylbenzylphthalate	13.480	149	315716	45.804	ng	100
81) Benzo(a)anthracene	14.051	228	711609	42.715	ng	100
82) 3,3'-Dichlorobenzidine	14.016	252	224071	44.135	ng	100
83) Chrysene	14.086	228	658639	42.717	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	376273	45.286	ng	100
85) Di-n-octyl phthalate	14.657	149	608123	44.561	ng	100
87) Indeno(1,2,3-cd)pyrene	17.039	276	699234	45.470	ng	100
88) Benzo(b)fluoranthene	15.104	252	636888	44.178	ng	100
89) Benzo(k)fluoranthene	15.133	252	556111	41.688	ng	100
90) Benzo(a)pyrene	15.480	252	553098	44.246	ng	100
91) Dibenzo(a,h)anthracene	17.057	278	566134	45.774	ng	100
92) Benzo(g,h,i)perylene	17.492	276	560761	45.340	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

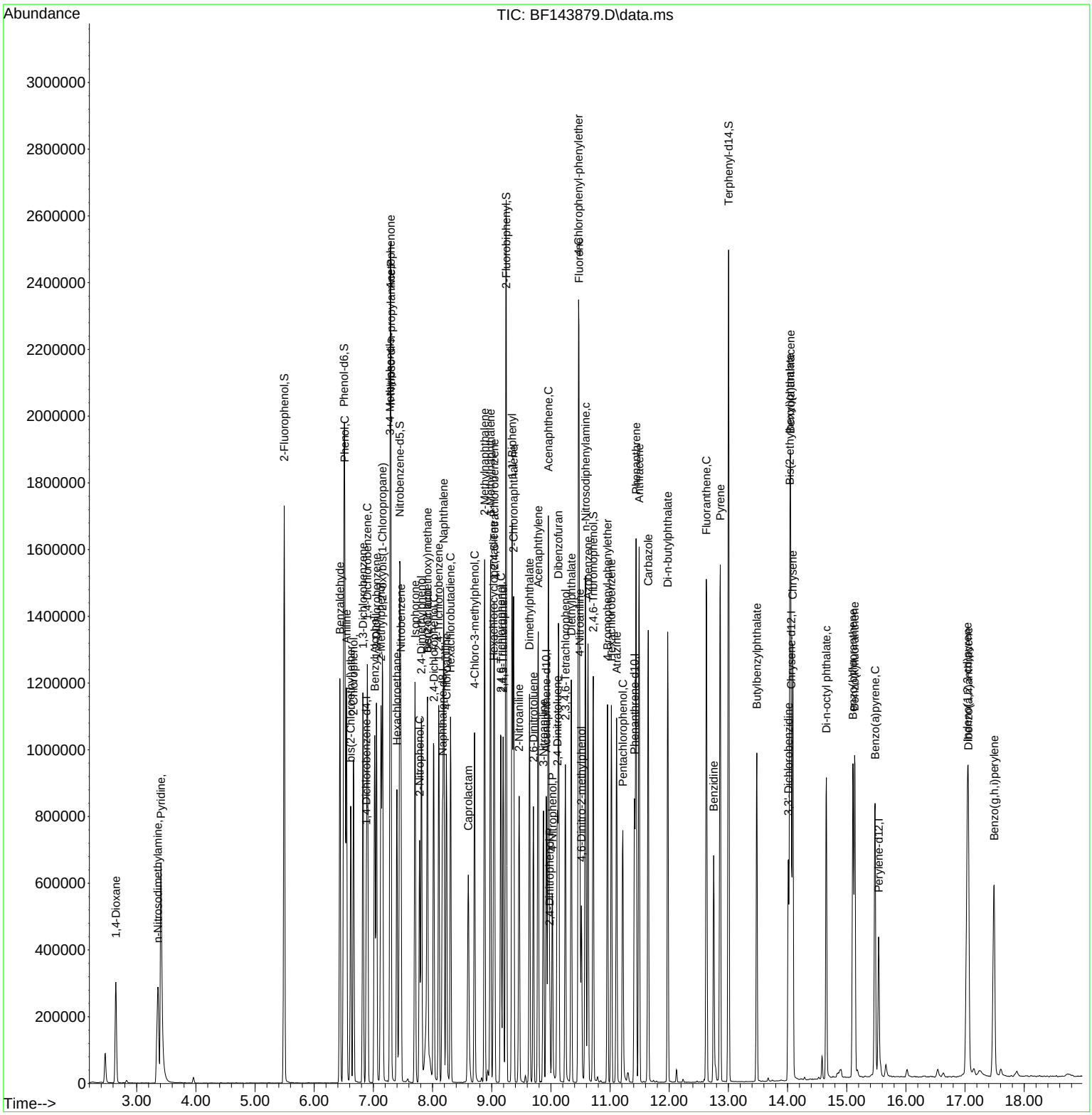
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143879.D
Acq On : 06 Oct 2025 12:54
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

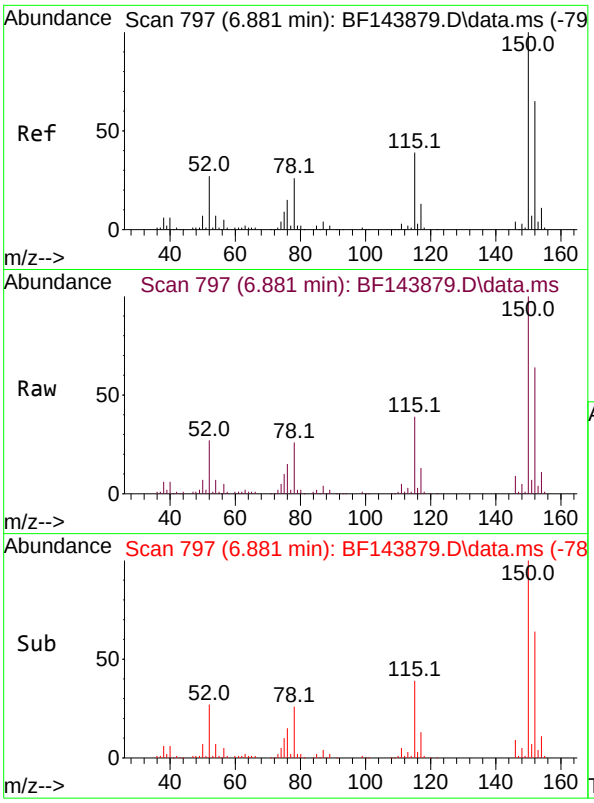
Quant Time: Oct 06 15:38:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

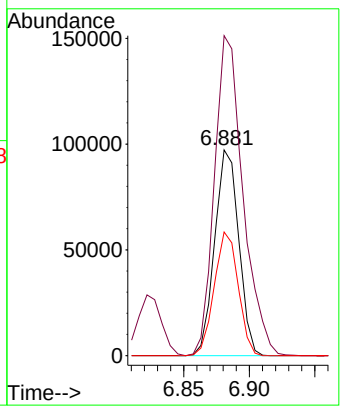




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:152 Resp: 12415

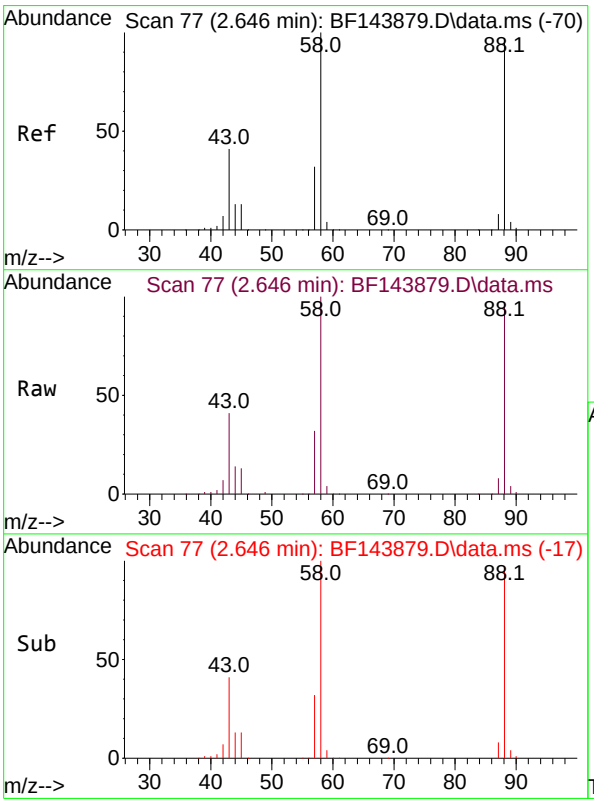
Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.4	186.6
115	60.1	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

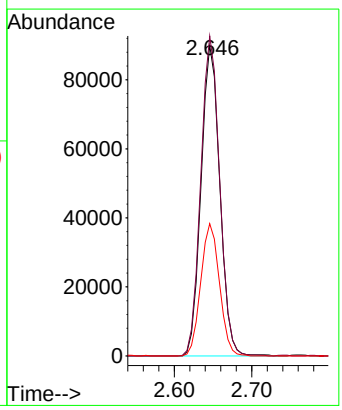
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

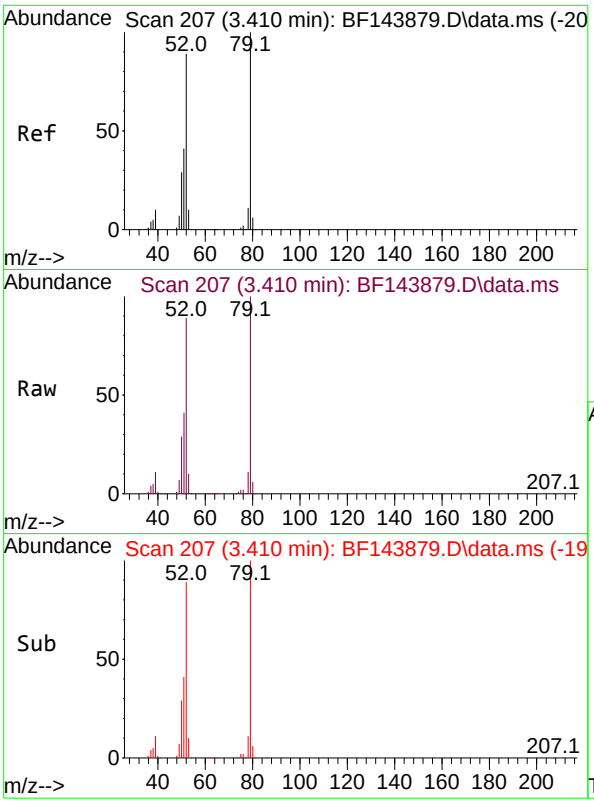


#2
1,4-Dioxane
Concen: 41.781 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 88 Resp: 151157

Ion	Ratio	Lower	Upper
88	100		
58	103.8	83.0	124.6
43	42.4	33.9	50.9

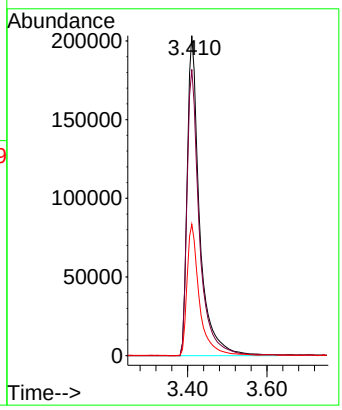




#3
Pyridine
Concen: 41.775 ng
RT: 3.410 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 79 Resp: 43998

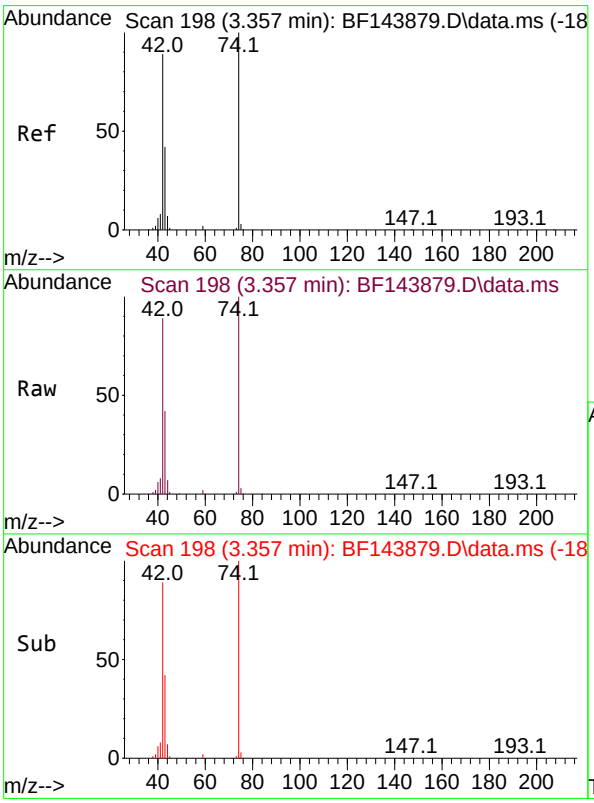
Ion	Ratio	Lower	Upper
79	100		
52	89.4	71.5	107.3
51	41.1	32.9	49.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

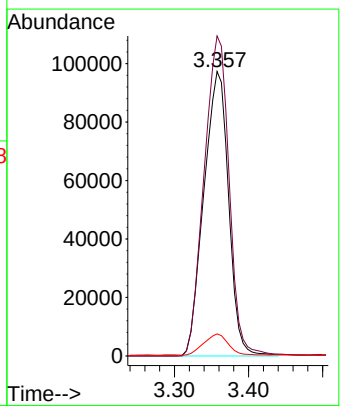
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

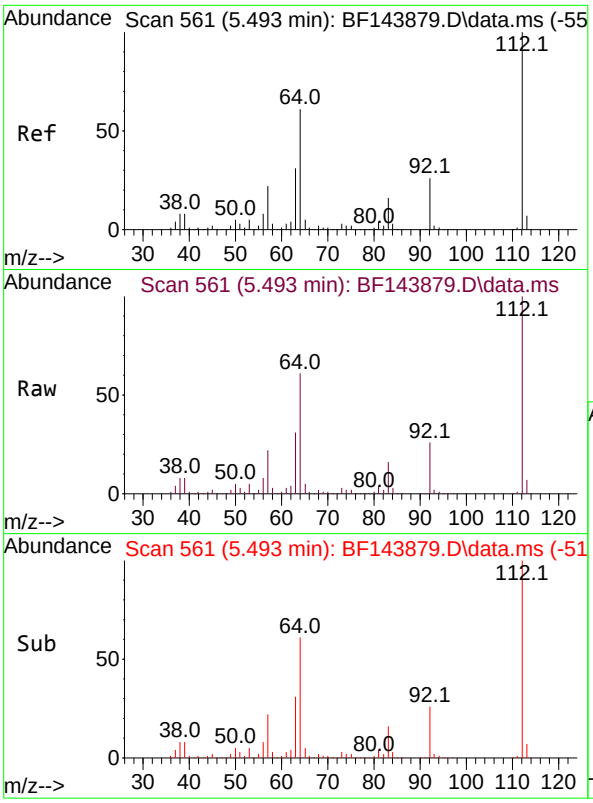


#4
n-Nitrosodimethylamine
Concen: 40.760 ng
RT: 3.357 min Scan# 198
Delta R.T. -0.029 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 42 Resp: 225827

Ion	Ratio	Lower	Upper
42	100		
74	112.5	90.0	135.0
44	7.7	6.2	9.2





#5
2-Fluorophenol
Concen: 83.027 ng
RT: 5.493 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

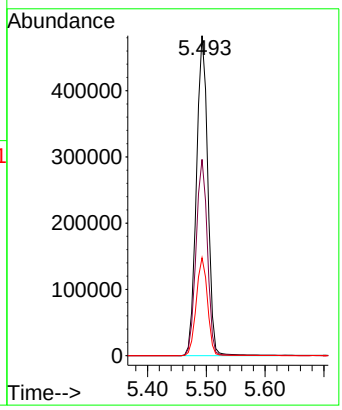
Tgt Ion:112 Resp: 64912

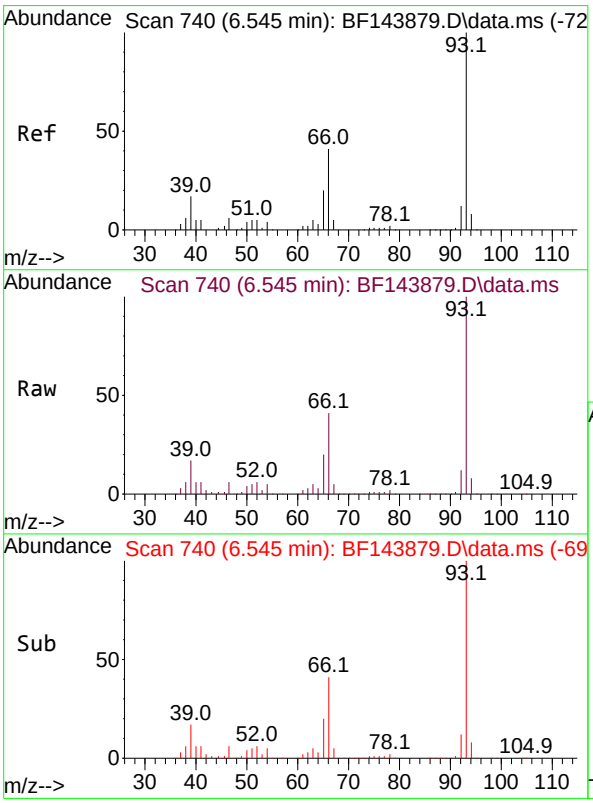
Ion	Ratio	Lower	Upper
112	100		
64	61.4	49.1	73.7
63	30.6	24.5	36.7

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

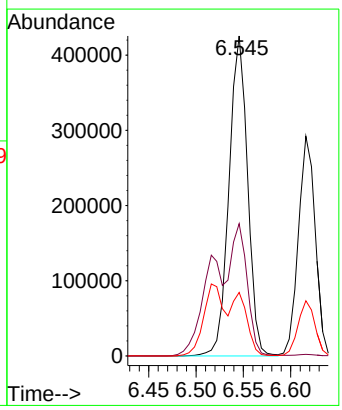


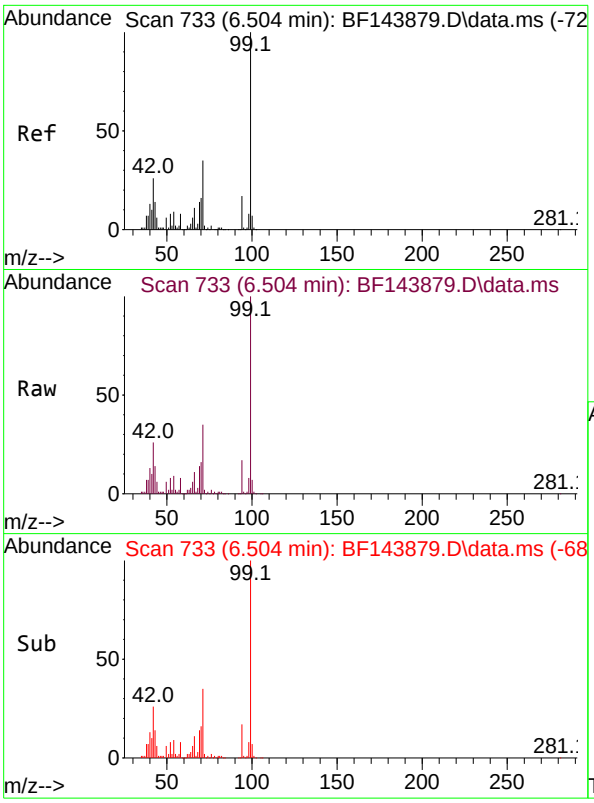


#6
Aniline
Concen: 41.662 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 93 Resp: 581779

Ion	Ratio	Lower	Upper
93	100		
66	41.3	33.0	49.6
65	19.8	15.8	23.8

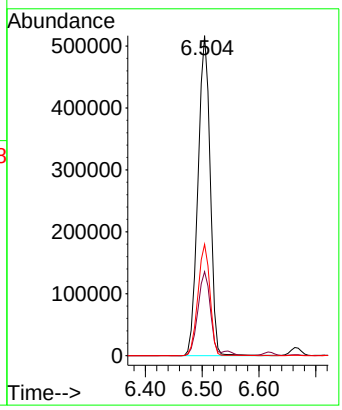




#7
Phenol-d6
Concen: 82.158 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 99 Resp: 765629

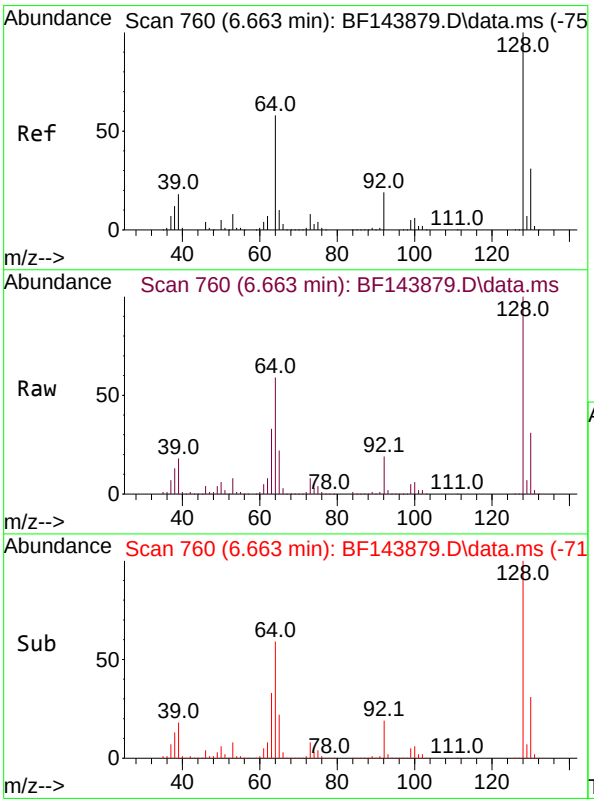
Ion	Ratio	Lower	Upper
99	100		
42	26.2	21.0	31.4
71	34.8	27.8	41.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

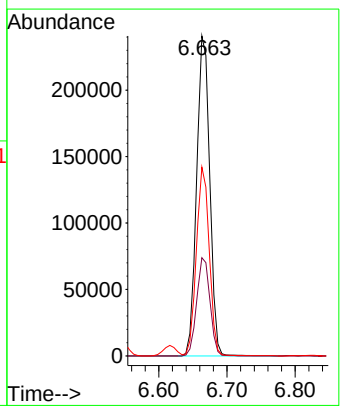
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

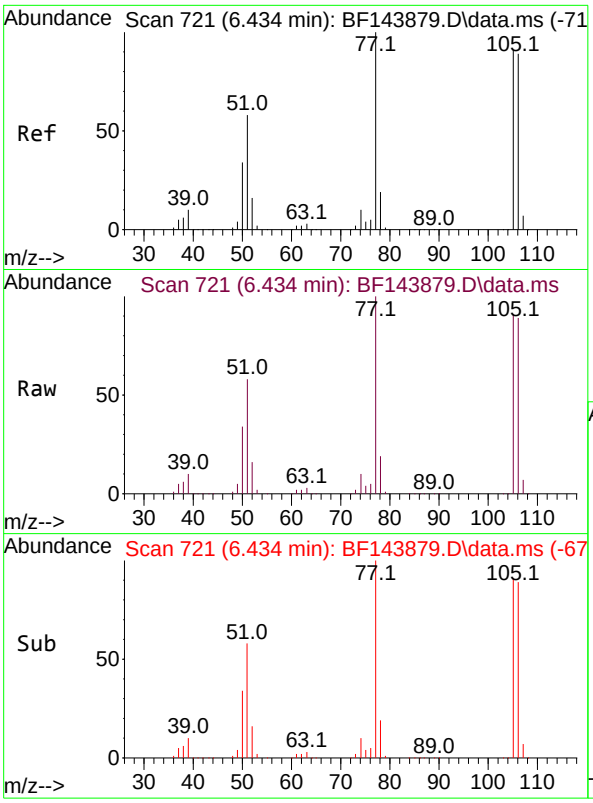


#8
2-Chlorophenol
Concen: 42.055 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:128 Resp: 321394

Ion	Ratio	Lower	Upper
128	100		
130	30.7	10.7	50.7
64	59.0	39.0	79.0

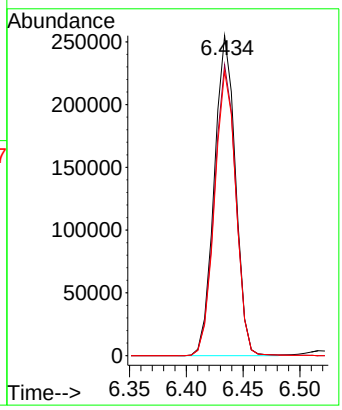




#9
Benzaldehyde
Concen: 45.914 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 77 Resp: 33006

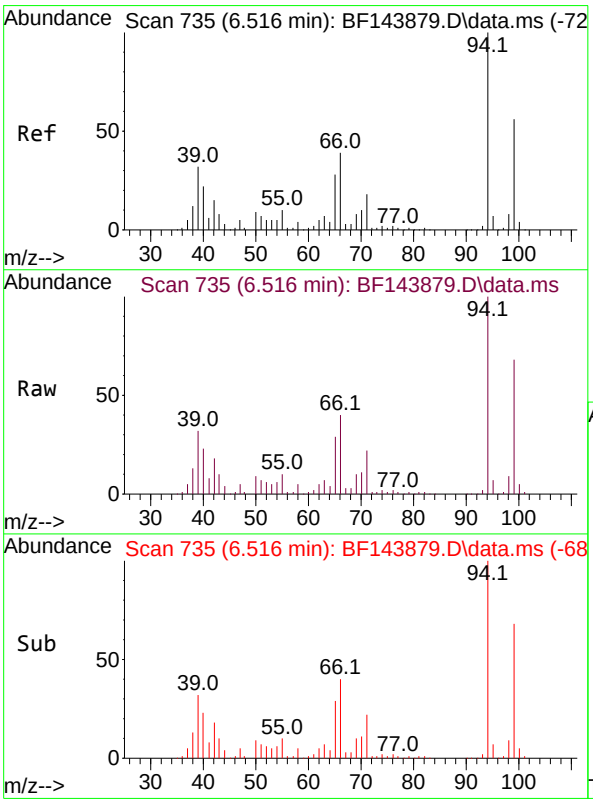
Ion	Ratio	Lower	Upper
77	100		
105	90.9	70.9	110.9
106	88.9	68.9	108.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

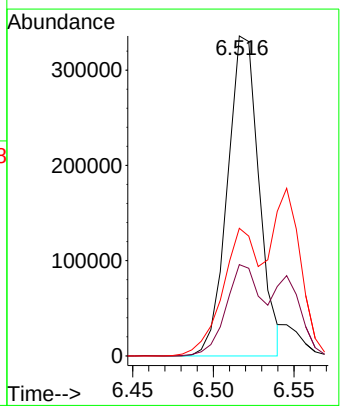
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

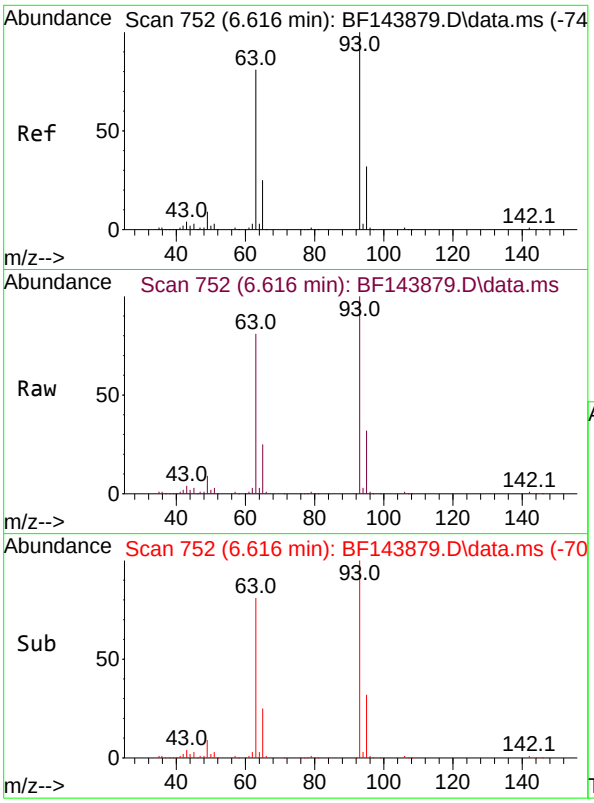


#10
Phenol
Concen: 41.042 ng m
RT: 6.516 min Scan# 735
Delta R.T. -0.018 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 94 Resp: 457250

Ion	Ratio	Lower	Upper
94	100		
65	28.5	8.5	48.5
66	39.9	19.9	59.9

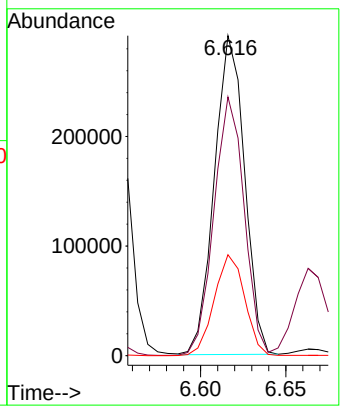




#11
bis(2-Chloroethyl)ether
Concen: 41.712 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 93 Resp: 35898

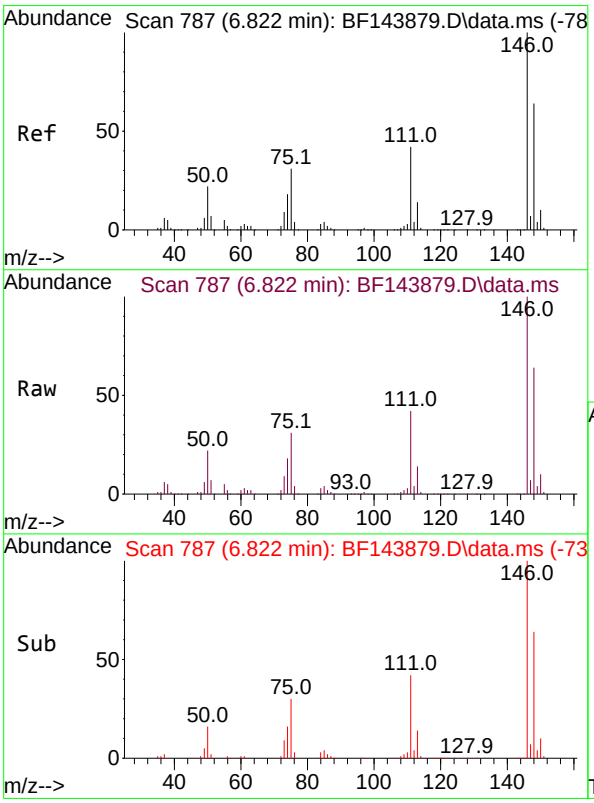
Ion	Ratio	Lower	Upper
93	100		
63	80.9	60.9	100.9
95	31.5	11.5	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

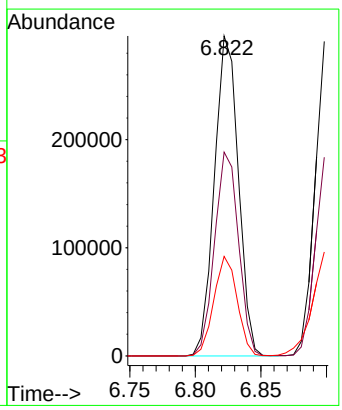
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

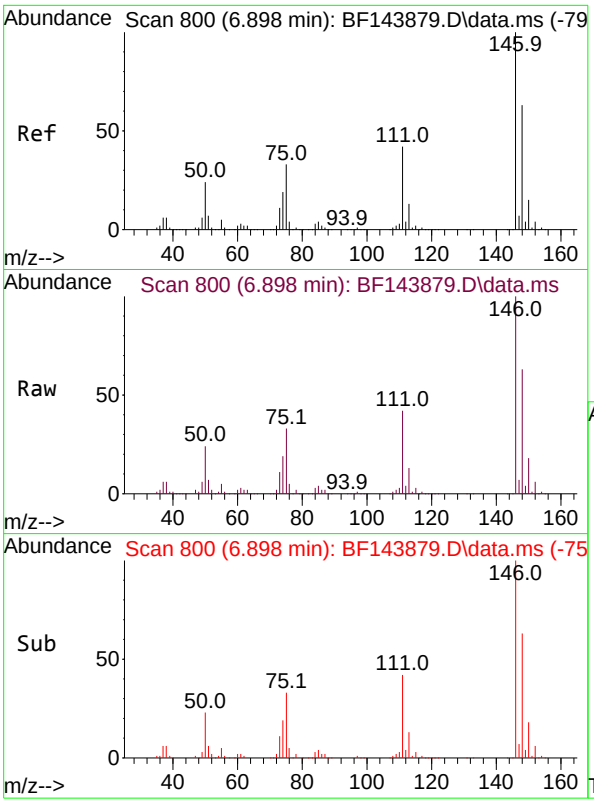


#12
1,3-Dichlorobenzene
Concen: 41.141 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:146 Resp: 376359

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
75	31.1	24.9	37.3

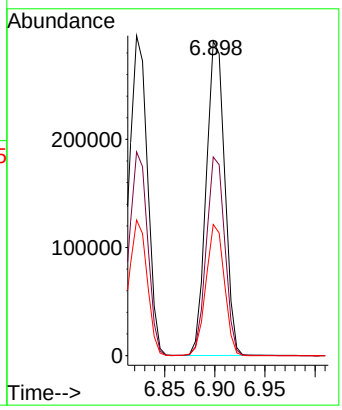




#13
1,4-Dichlorobenzene
Concen: 41.238 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:146 Resp: 37211

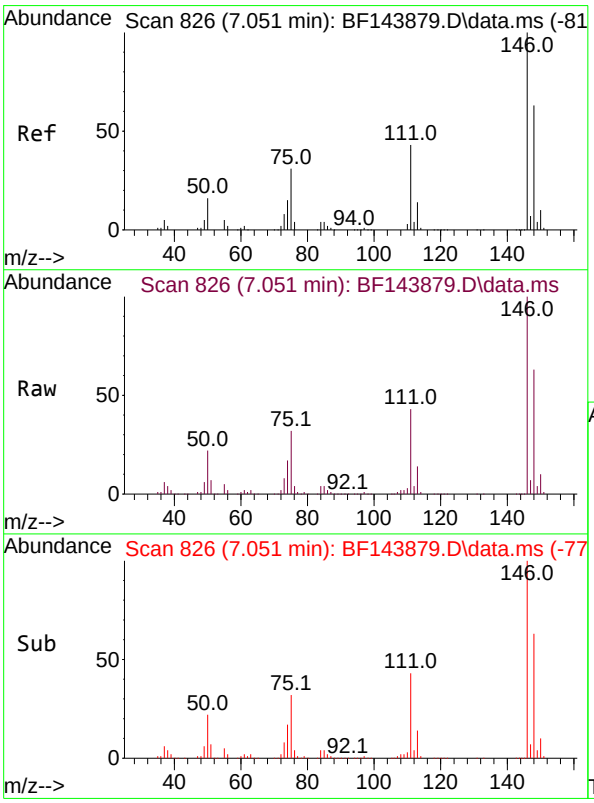
Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
111	41.7	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

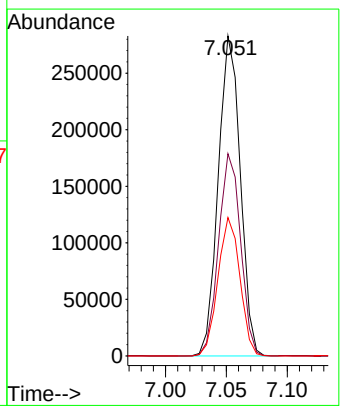
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

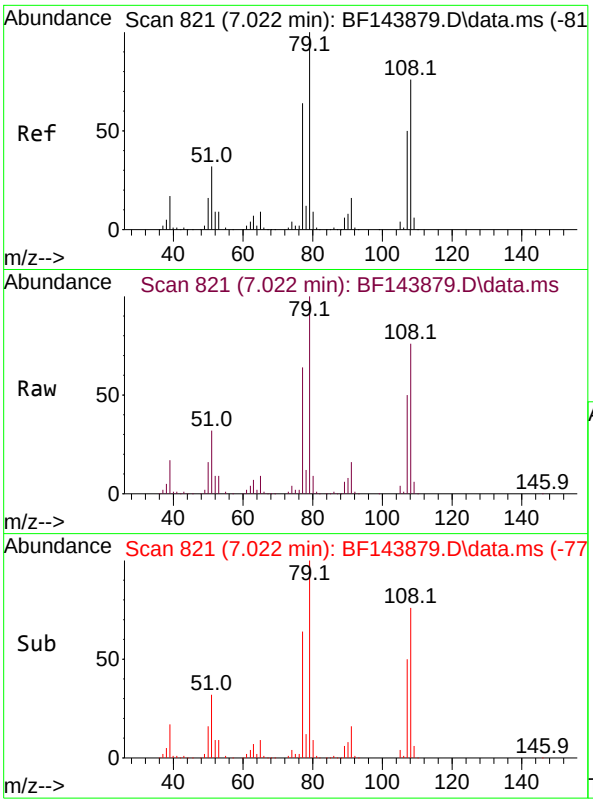


#14
1,2-Dichlorobenzene
Concen: 41.204 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:146 Resp: 356137

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.6	75.8
111	43.2	34.6	51.8





#15
Benzyl Alcohol
Concen: 41.707 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

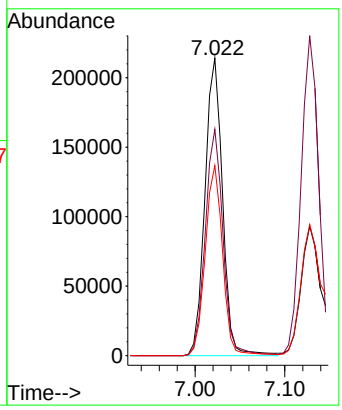
Tgt Ion: 79 Resp: 29121

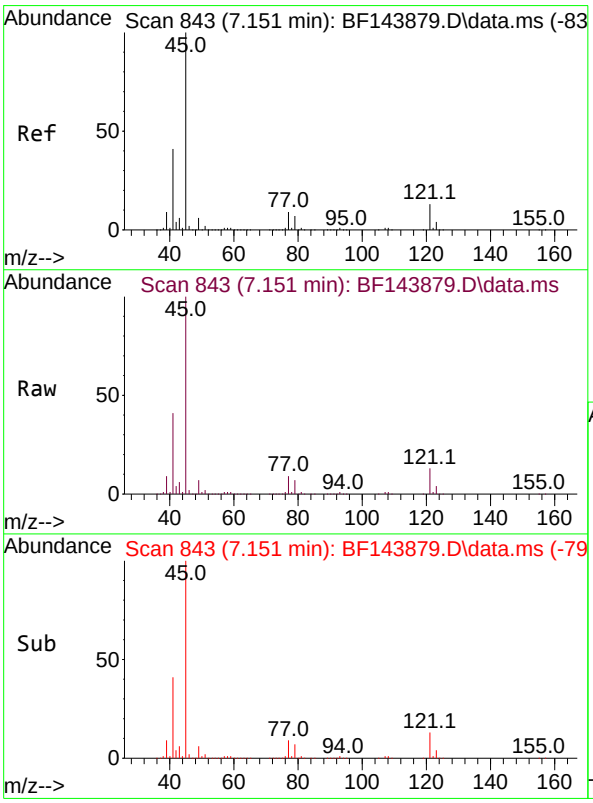
Ion	Ratio	Lower	Upper
79	100		
108	76.0	60.8	91.2
77	63.8	51.0	76.6

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

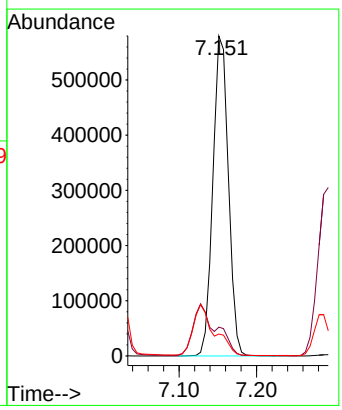


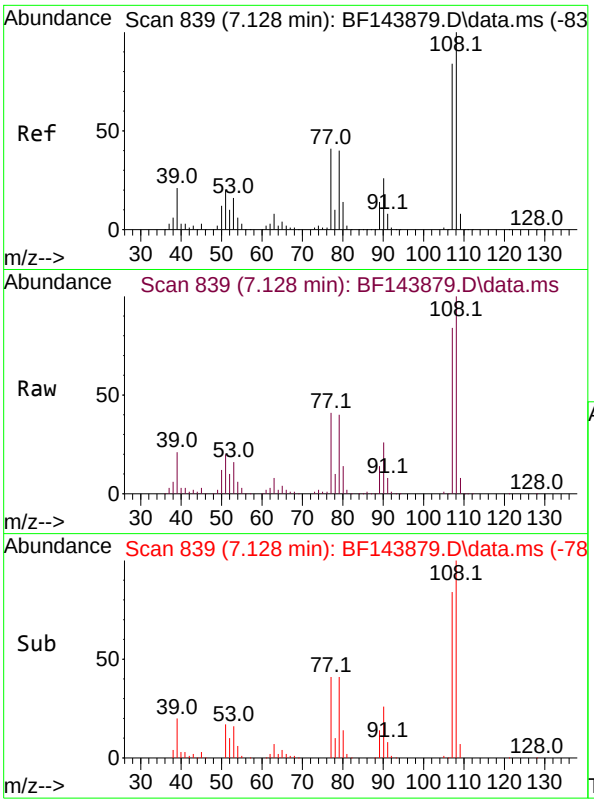


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.052 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 45 Resp: 804199

Ion	Ratio	Lower	Upper
45	100		
77	9.0	0.0	29.0
79	6.8	0.0	26.8

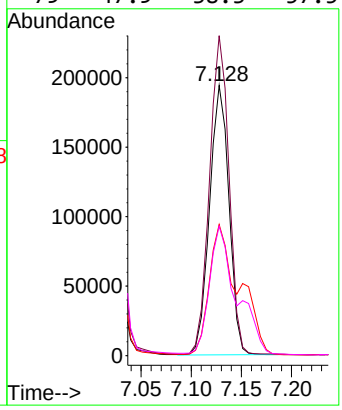




#17
2-Methylphenol
Concen: 41.430 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:107 Resp: 26166

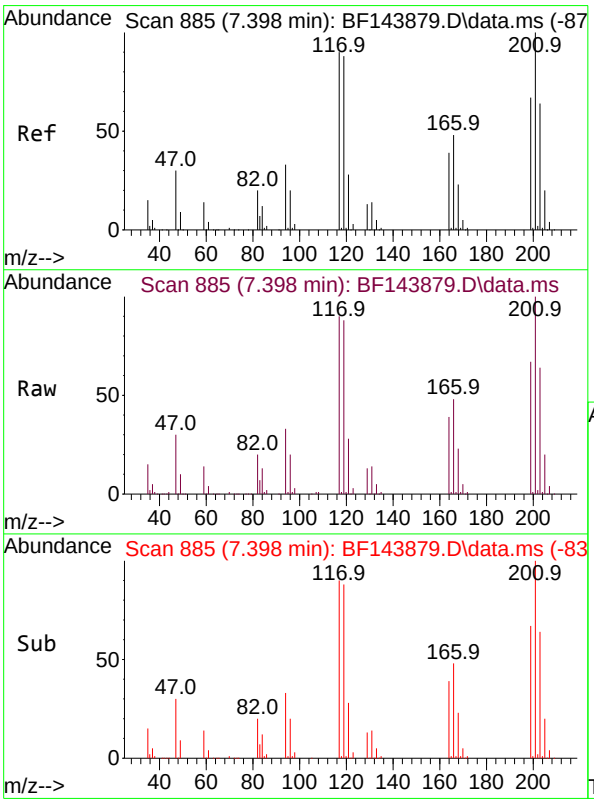
Ion	Ratio	Lower	Upper
107	100		
108	118.4	94.7	142.1
77	48.5	38.8	58.2
79	47.9	38.3	57.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

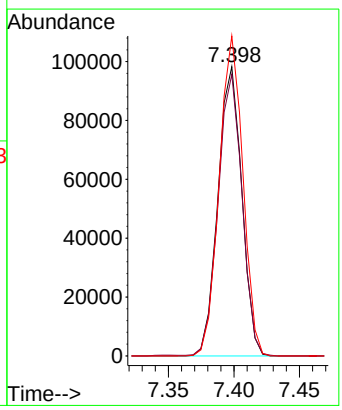
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

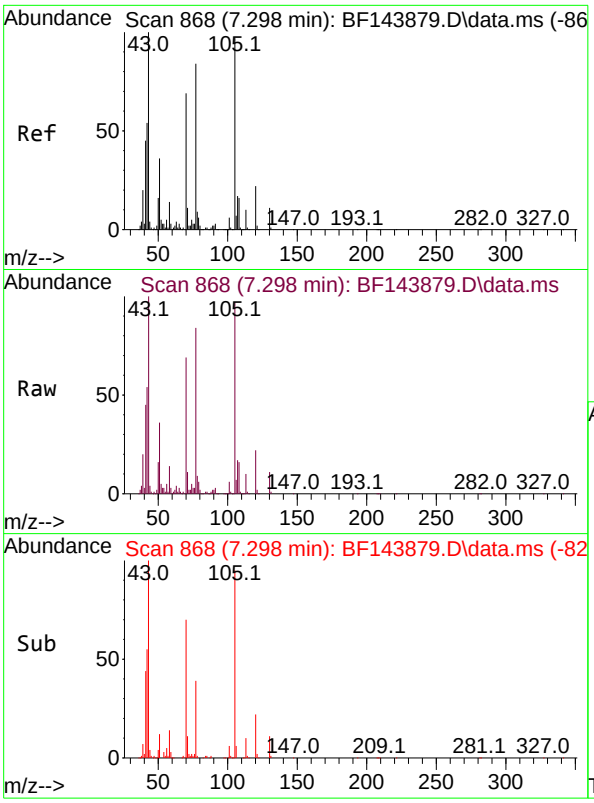


#18
Hexachloroethane
Concen: 41.313 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:117 Resp: 124325

Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.8	116.8
201	110.6	88.5	132.7

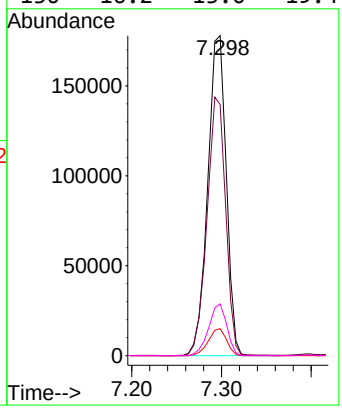




#19
n-Nitroso-di-n-propylamine
Concen: 39.929 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 70 Resp: 25470

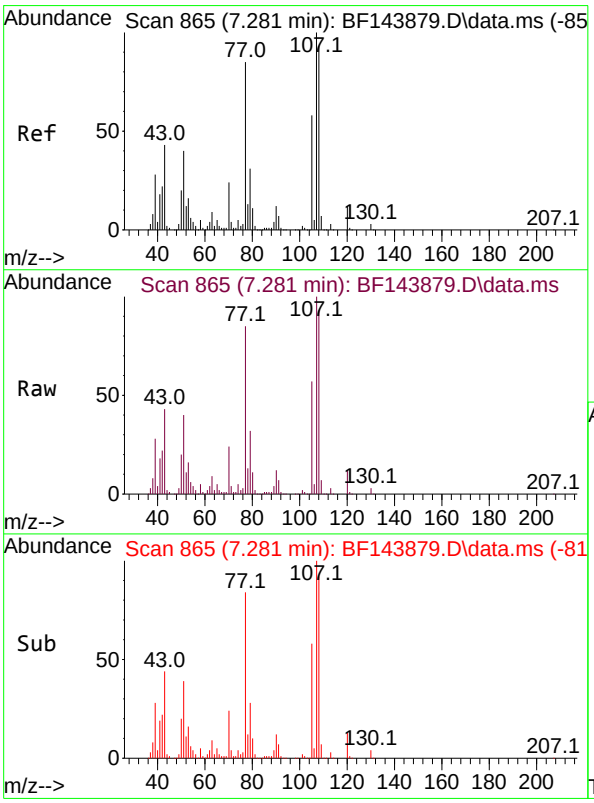
Ion	Ratio	Lower	Upper
70	100		
42	78.5	62.8	94.2
101	8.4	6.7	10.1
130	16.2	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

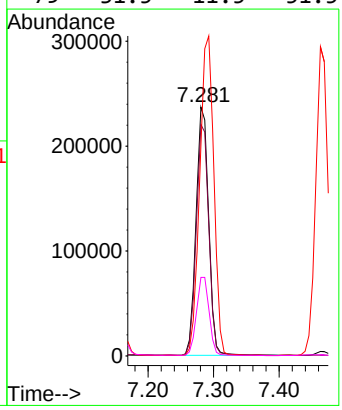
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

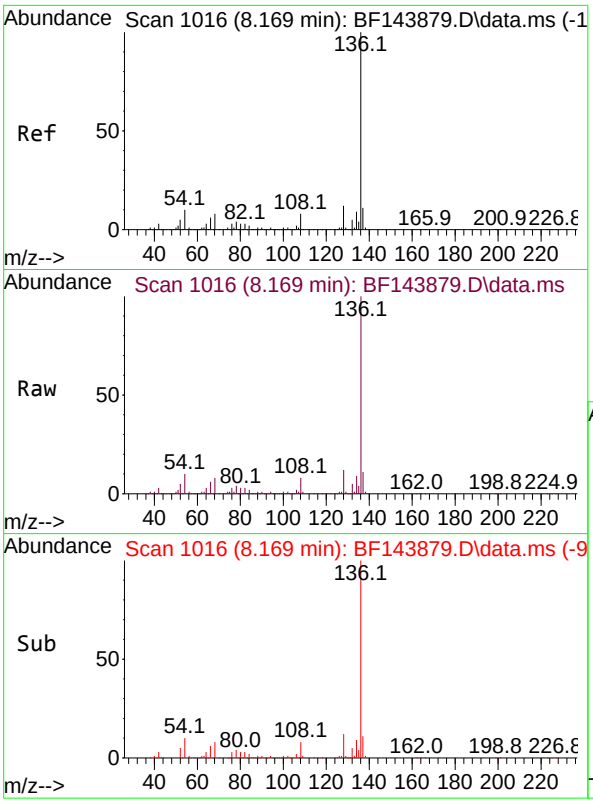


#20
3+4-Methylphenols
Concen: 42.934 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.018 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:107 Resp: 314281

Ion	Ratio	Lower	Upper
107	100		
108	93.0	73.0	113.0
77	84.6	64.6	104.6
79	31.5	11.5	51.5

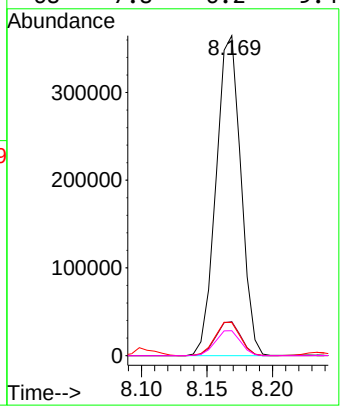




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:136 Resp: 47993

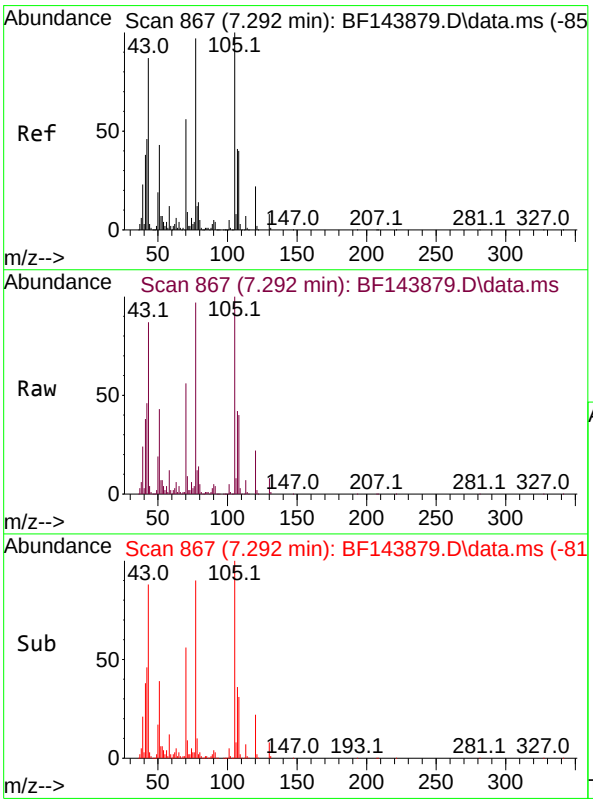
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	10.3	8.2	12.4
68	7.8	6.2	9.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

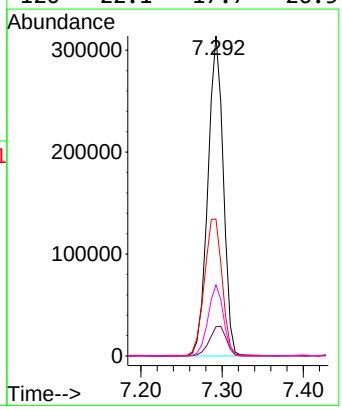
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

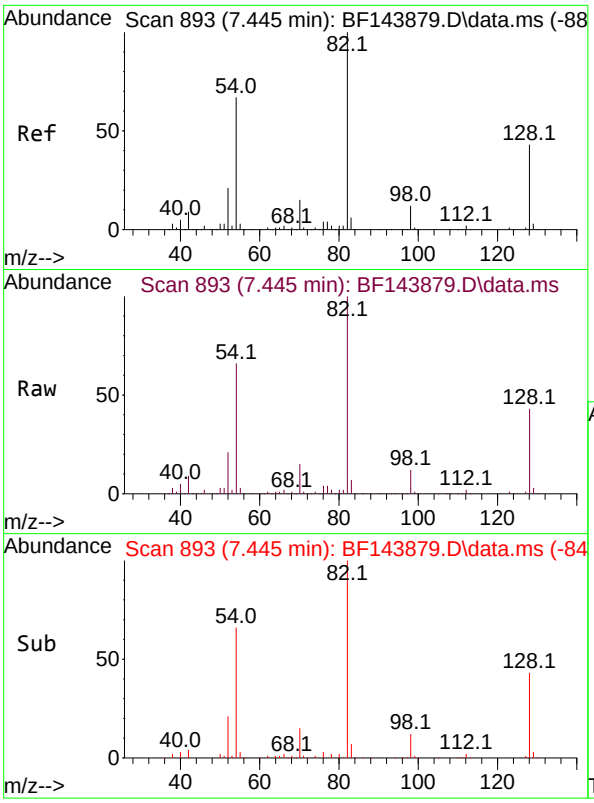


#22
Acetophenone
Concen: 40.946 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:105 Resp: 415513

Ion	Ratio	Lower	Upper
105	100		
71	9.2	7.4	11.0
51	42.8	34.2	51.4
120	22.1	17.7	26.5

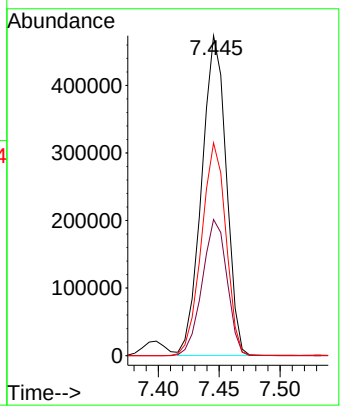




#23
Nitrobenzene-d5
Concen: 83.898 ng
RT: 7.445 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 82 Resp: 662754

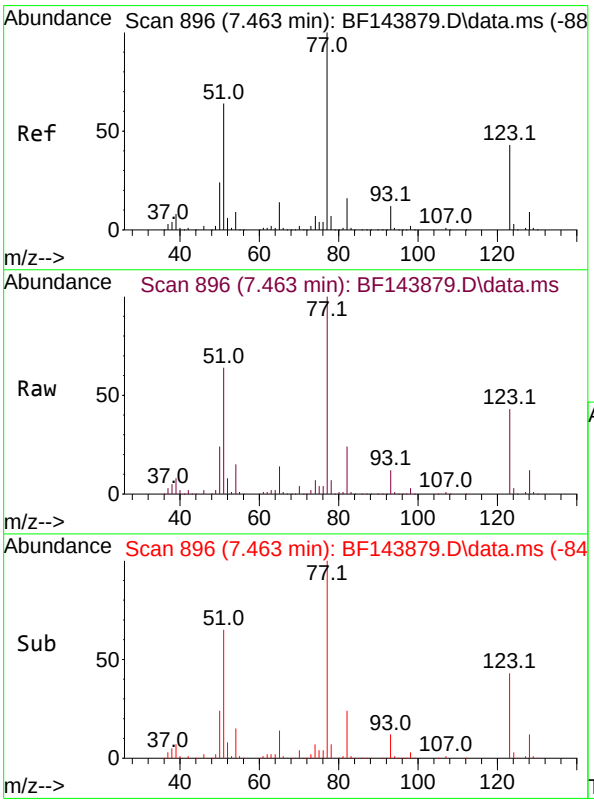
Ion	Ratio	Lower	Upper
82	100		
128	42.5	34.0	51.0
54	66.5	53.2	79.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

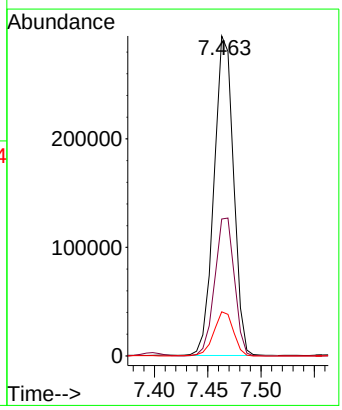
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

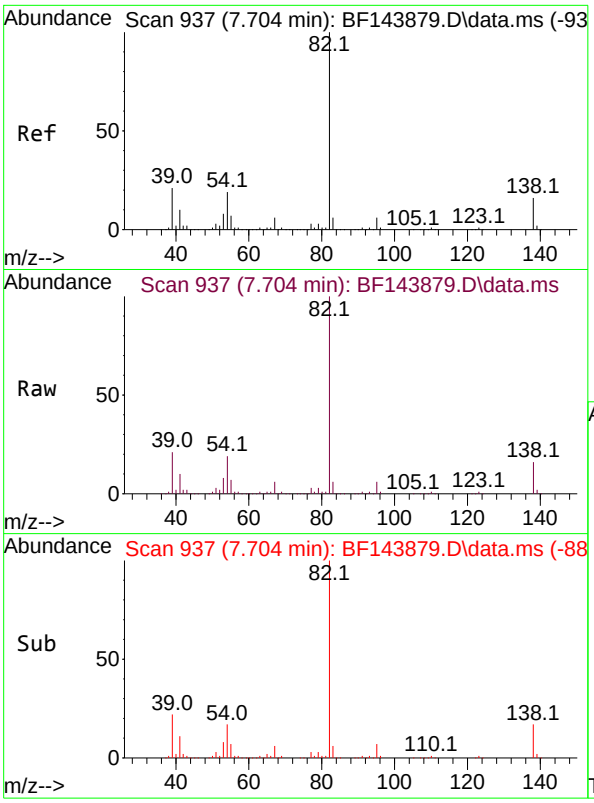


#24
Nitrobenzene
Concen: 42.828 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 77 Resp: 375708

Ion	Ratio	Lower	Upper
77	100		
123	42.8	34.2	51.4
65	13.8	11.0	16.6

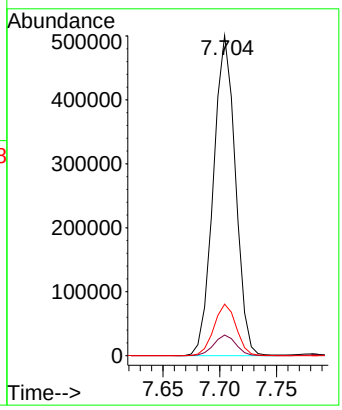




#25
Isophorone
Concen: 40.645 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 82 Resp: 67700

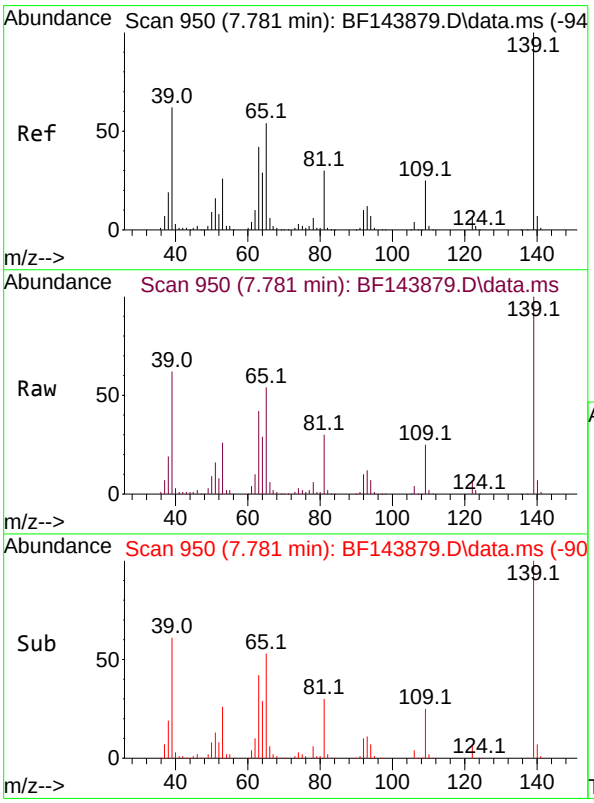
Ion	Ratio	Lower	Upper
82	100		
95	6.4	5.1	7.7
138	16.1	12.9	19.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

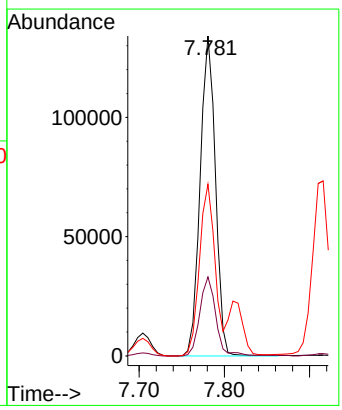
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

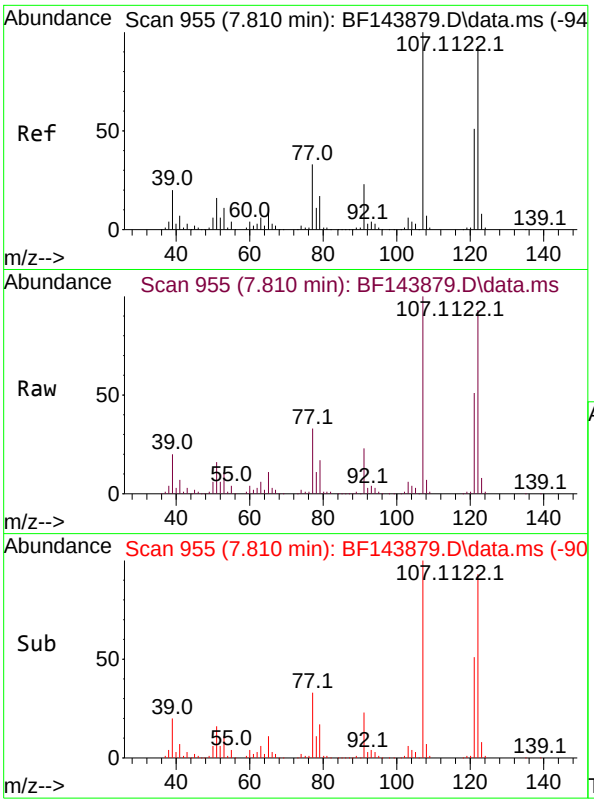


#26
2-Nitrophenol
Concen: 44.428 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:139 Resp: 167096

Ion	Ratio	Lower	Upper
139	100		
109	24.7	19.8	29.6
65	53.6	42.9	64.3

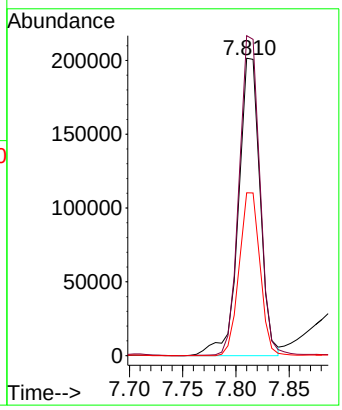




#27
2,4-Dimethylphenol
Concen: 41.818 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:122 Resp: 28292

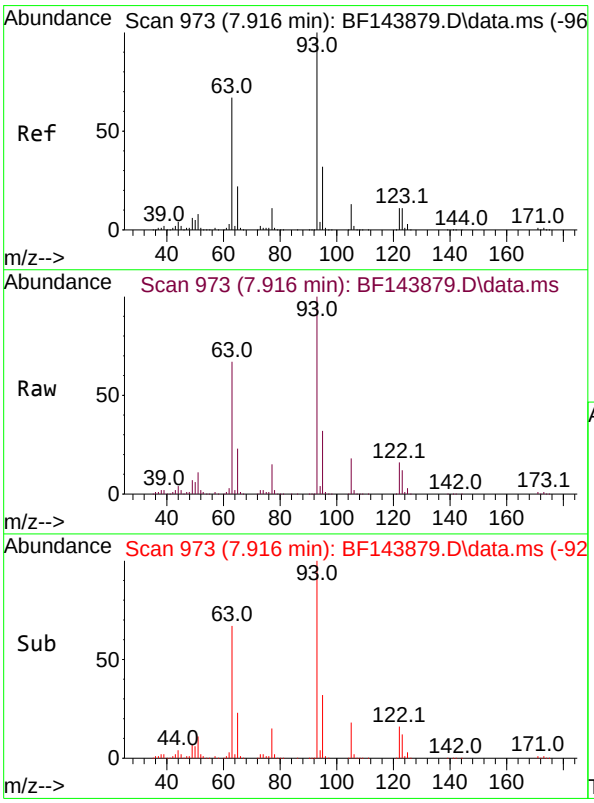
Ion	Ratio	Lower	Upper
122	100		
107	107.6	86.1	129.1
121	54.7	43.8	65.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

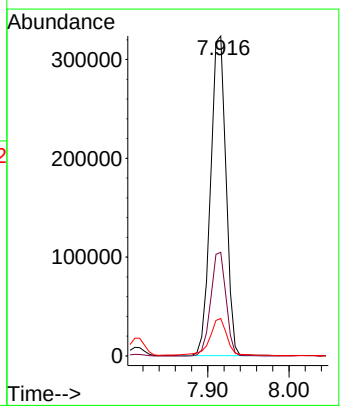
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

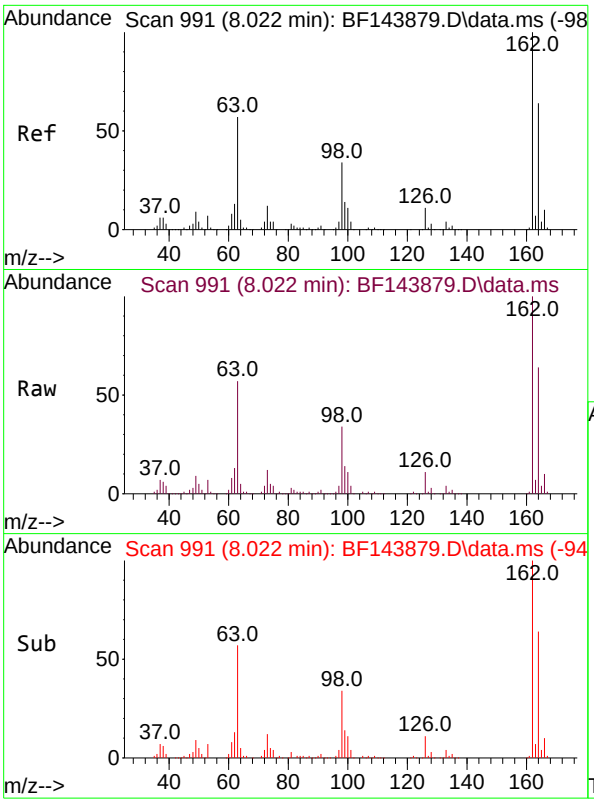


#28
bis(2-Chloroethoxy)methane
Concen: 40.486 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 93 Resp: 425986

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.9	38.9
123	11.7	9.4	14.0

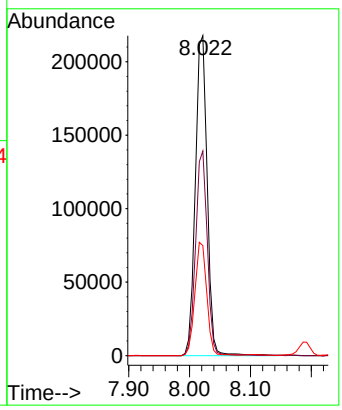




#29
2,4-Dichlorophenol
Concen: 41.782 ng
RT: 8.022 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:162 Resp: 29445

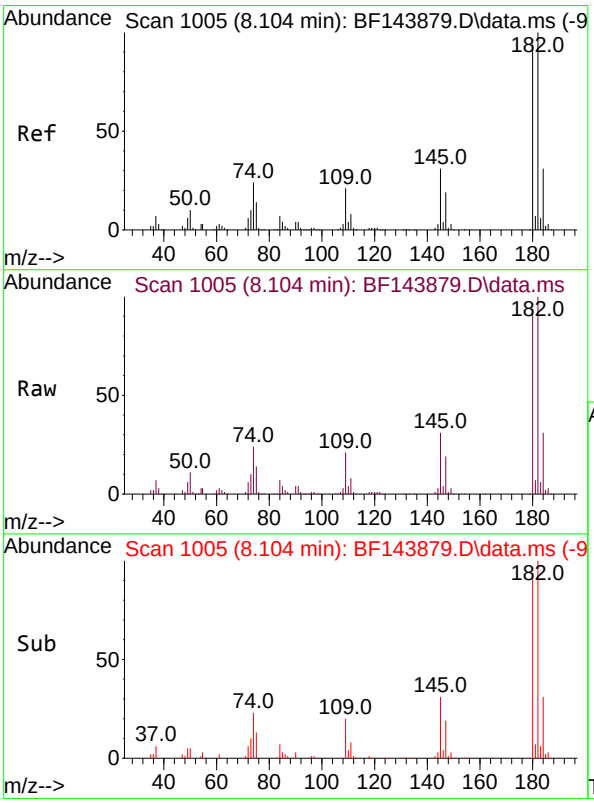
Ion	Ratio	Lower	Upper
162	100		
164	63.9	43.9	83.9
98	34.4	14.4	54.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

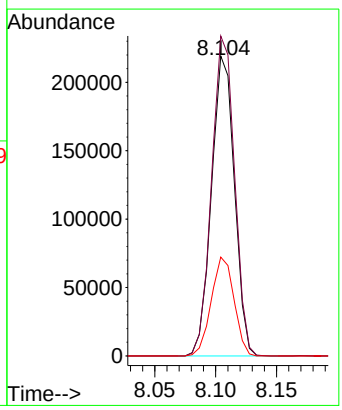
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

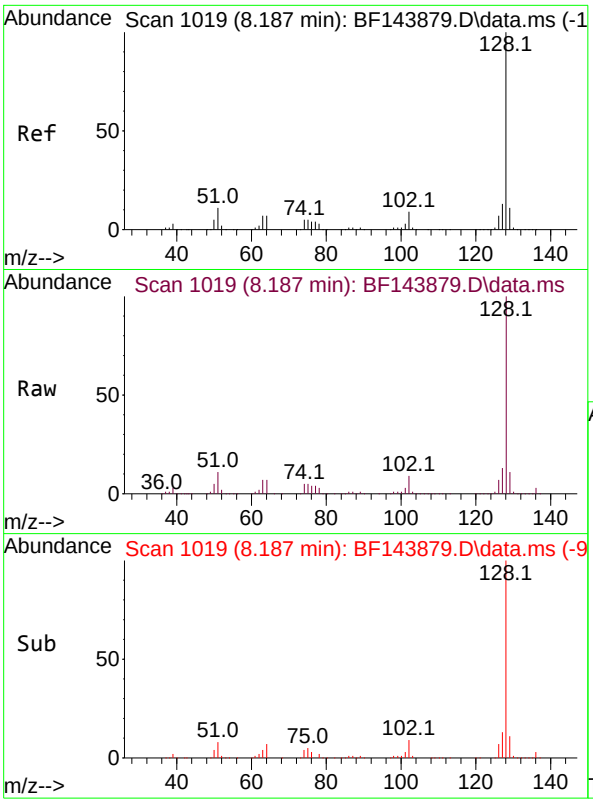


#30
1,2,4-Trichlorobenzene
Concen: 41.312 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:180 Resp: 286330

Ion	Ratio	Lower	Upper
180	100		
182	106.7	85.4	128.0
145	32.9	26.3	39.5

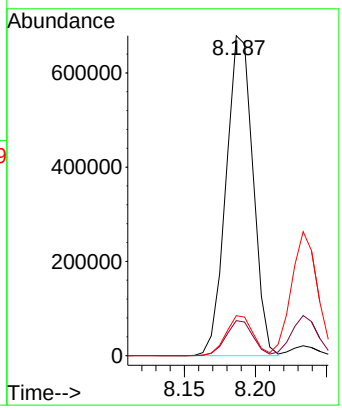




#31
Naphthalene
Concen: 40.961 ng
RT: 8.187 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:128 Resp: 89426

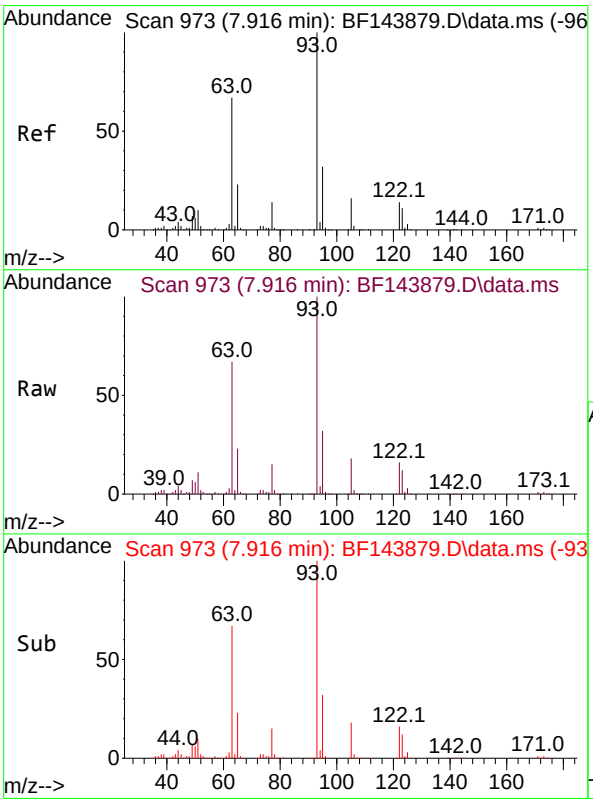
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	12.5	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

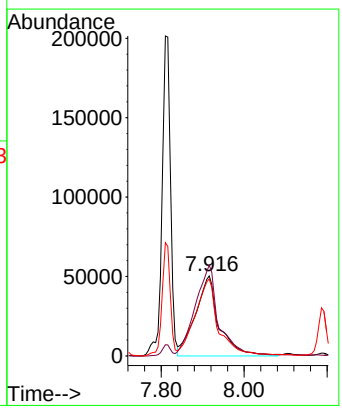
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

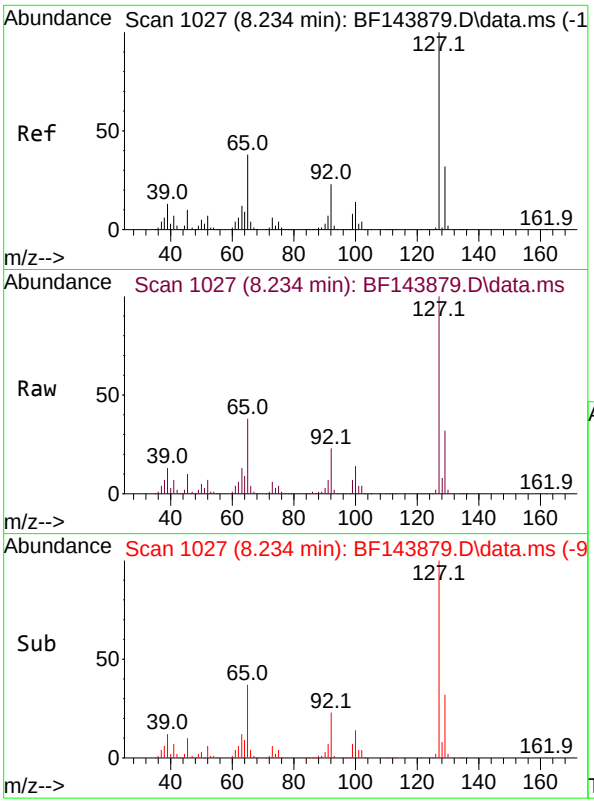


#32
Benzoic acid
Concen: 42.630 ng m
RT: 7.916 min Scan# 973
Delta R.T. -0.047 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:122 Resp: 199609

Ion	Ratio	Lower	Upper
122	100		
105	113.5	93.5	133.5
77	96.3	76.3	116.3

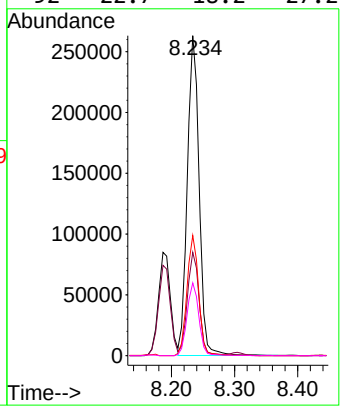




#33
4-Chloroaniline
Concen: 41.630 ng
RT: 8.234 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:127 Resp: 34086

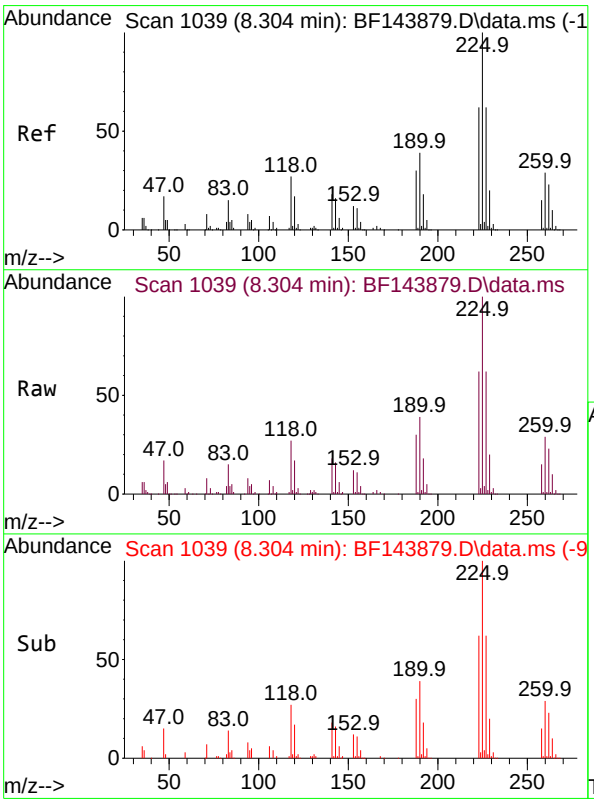
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.8
65	37.5	30.0	45.0
92	22.7	18.2	27.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

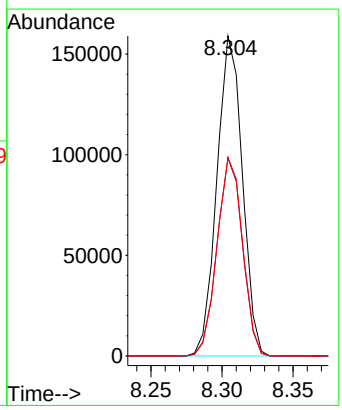
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

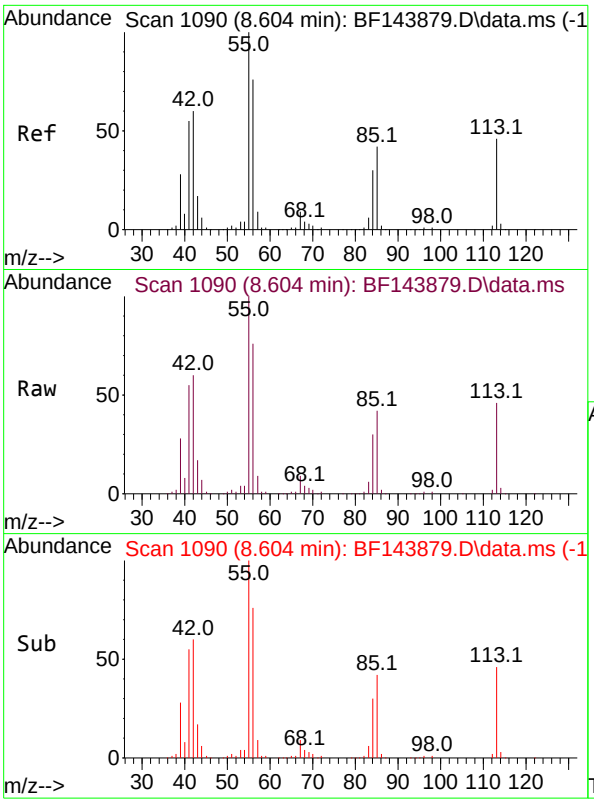


#34
Hexachlorobutadiene
Concen: 41.170 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:225 Resp: 198282

Ion	Ratio	Lower	Upper
225	100		
223	61.8	49.4	74.2
227	62.1	49.7	74.5

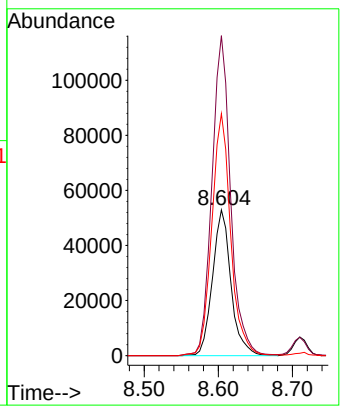




#35
Caprolactam
Concen: 40.816 ng
RT: 8.604 min Scan# 10
Delta R.T. -0.041 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:113 Resp: 9145

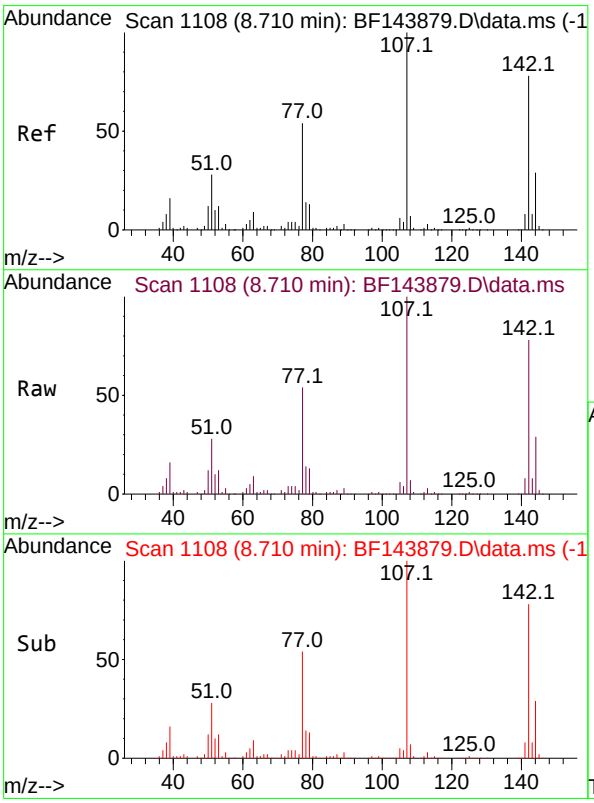
Ion	Ratio	Lower	Upper
113	100		
55	219.6	199.6	239.6
56	166.0	146.0	186.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

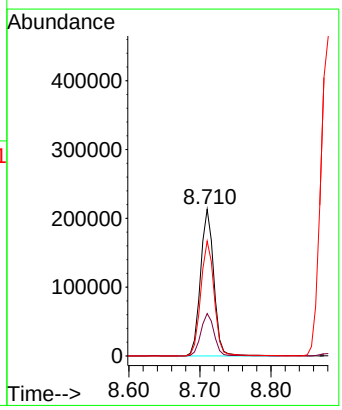
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

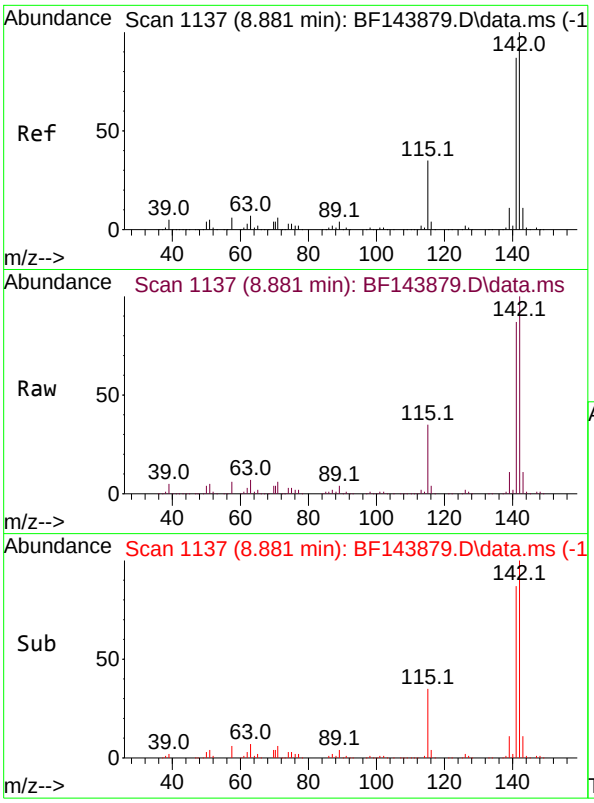


#36
4-Chloro-3-methylphenol
Concen: 40.758 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:107 Resp: 275908

Ion	Ratio	Lower	Upper
107	100		
144	28.9	23.1	34.7
142	78.3	62.6	94.0

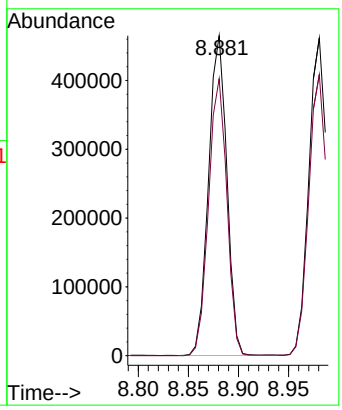




#37
2-Methylnaphthalene
Concen: 40.669 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:142 Resp: 59142

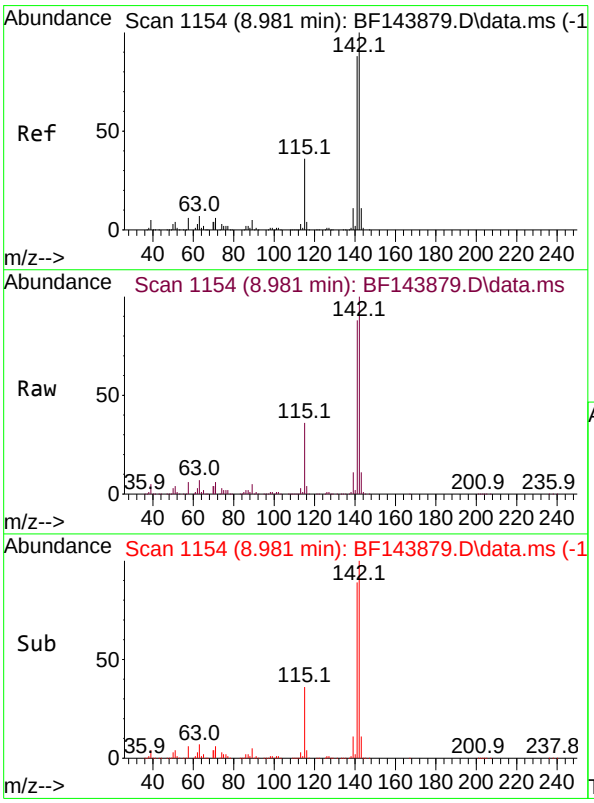
Ion	Ratio	Lower	Upper
142	100		
141	86.5	69.2	103.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

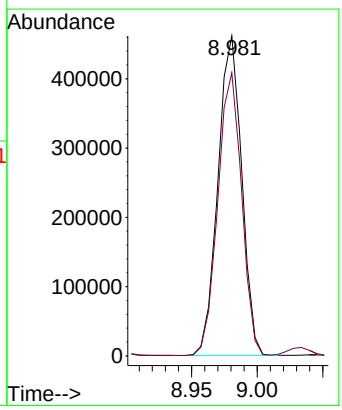
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

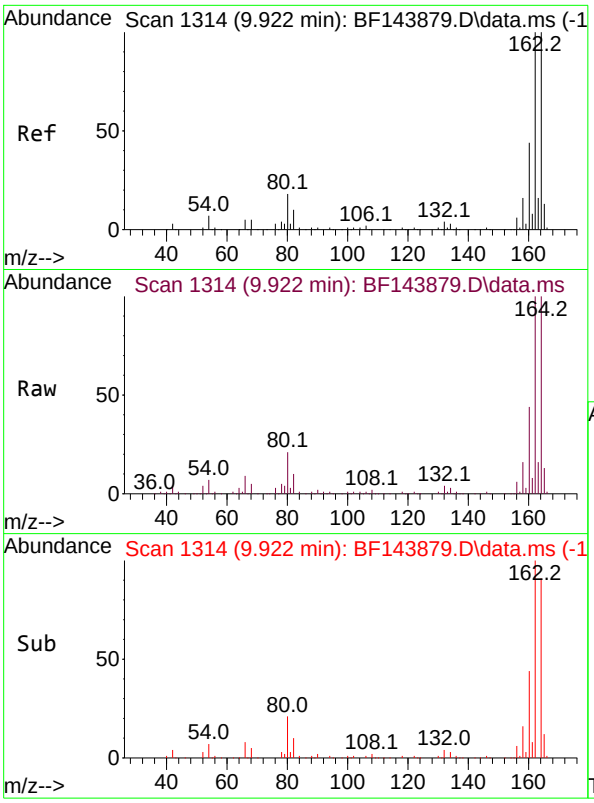


#38
1-Methylnaphthalene
Concen: 41.196 ng
RT: 8.981 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:142 Resp: 581114

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.8	106.2

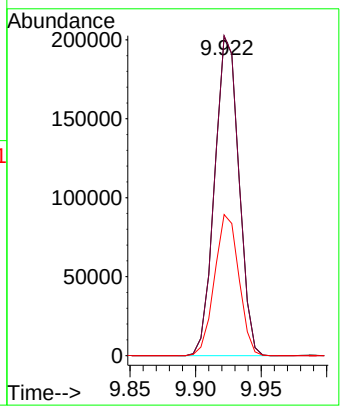




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:164 Resp: 26002

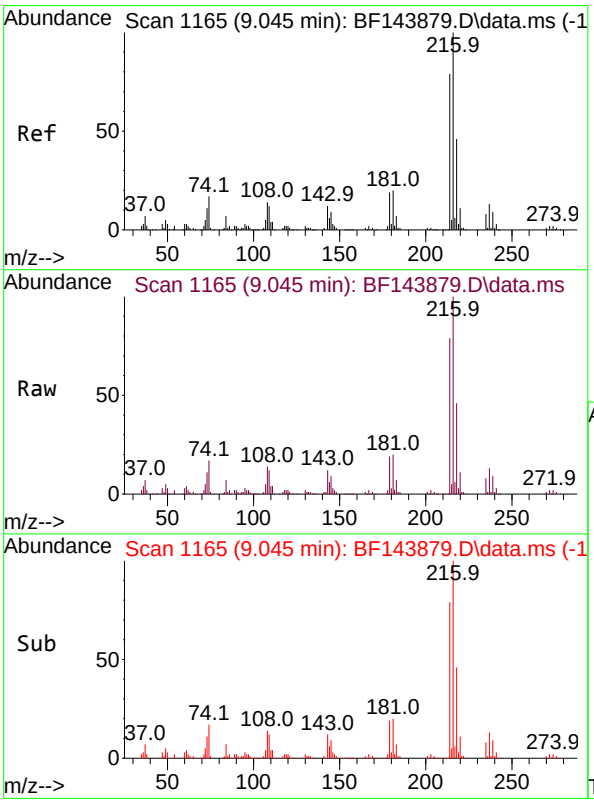
Ion	Ratio	Lower	Upper
164	100		
162	100.2	80.2	120.2
160	44.2	35.4	53.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

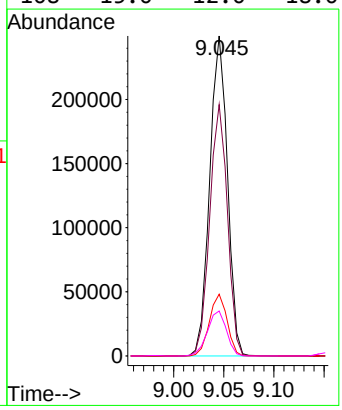
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

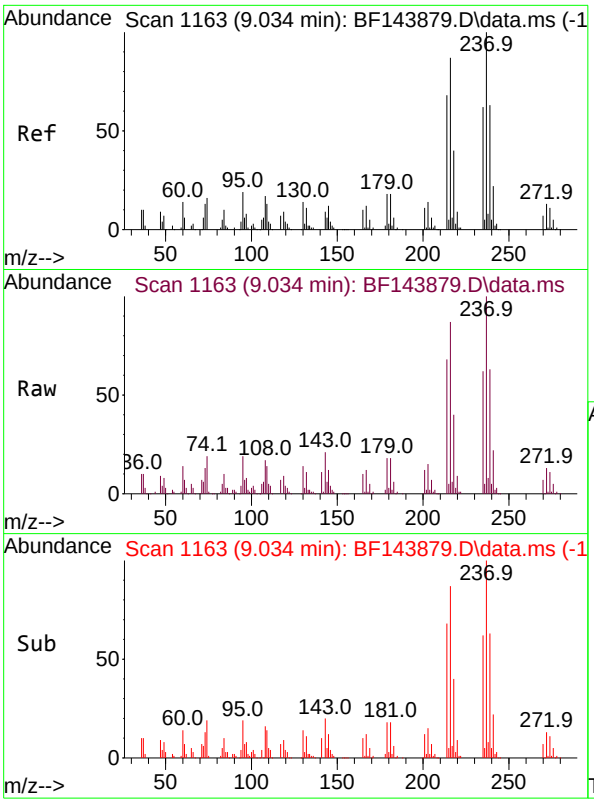


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.665 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:216 Resp: 306622

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.6	94.0
179	19.2	15.4	23.0
108	15.0	12.0	18.0

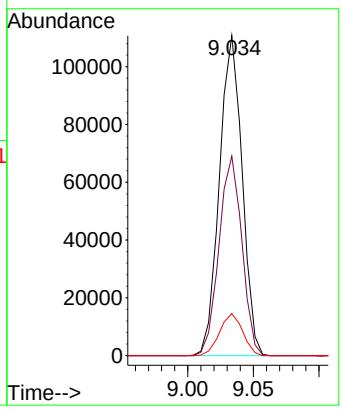




#41
Hexachlorocyclopentadiene
Concen: 44.842 ng
RT: 9.034 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:237 Resp: 133694

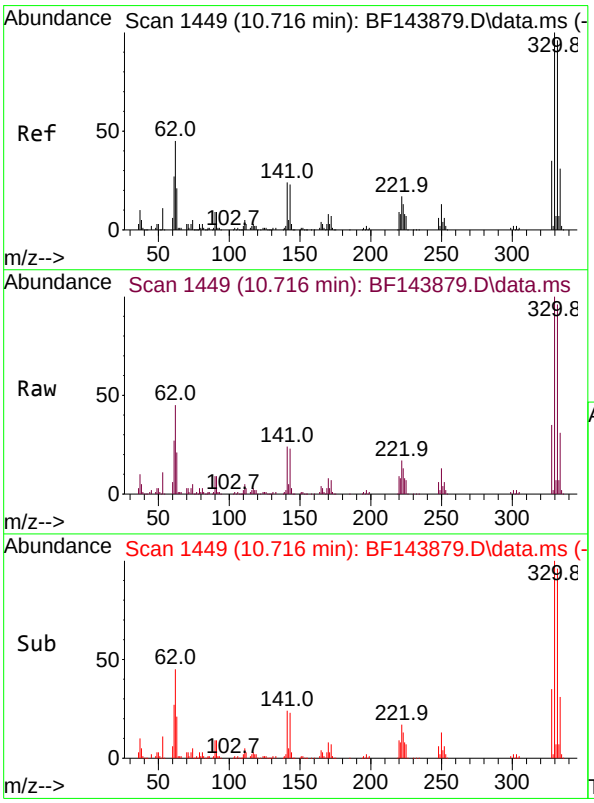
Ion	Ratio	Lower	Upper
237	100		
235	62.3	42.3	82.3
272	13.1	0.0	33.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

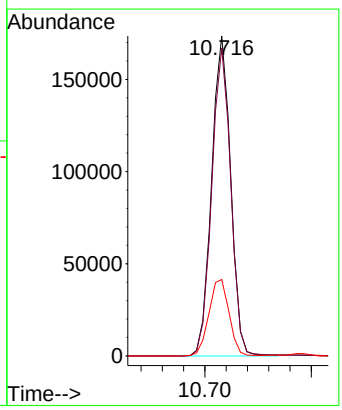
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

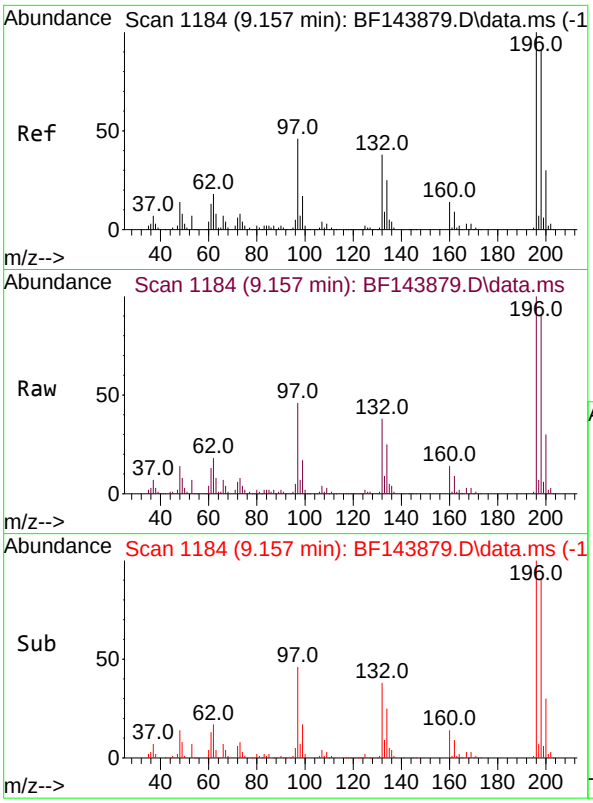


#42
2,4,6-Tribromophenol
Concen: 83.200 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:330 Resp: 215478

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.9	115.3
141	25.3	20.2	30.4

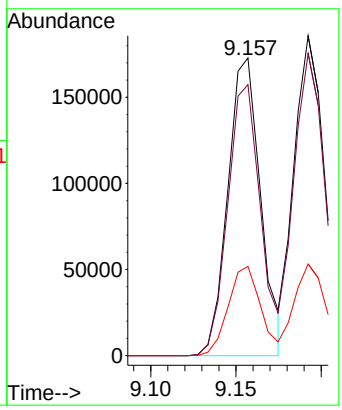




#43
2,4,6-Trichlorophenol
Concen: 44.081 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:196 Resp: 23146

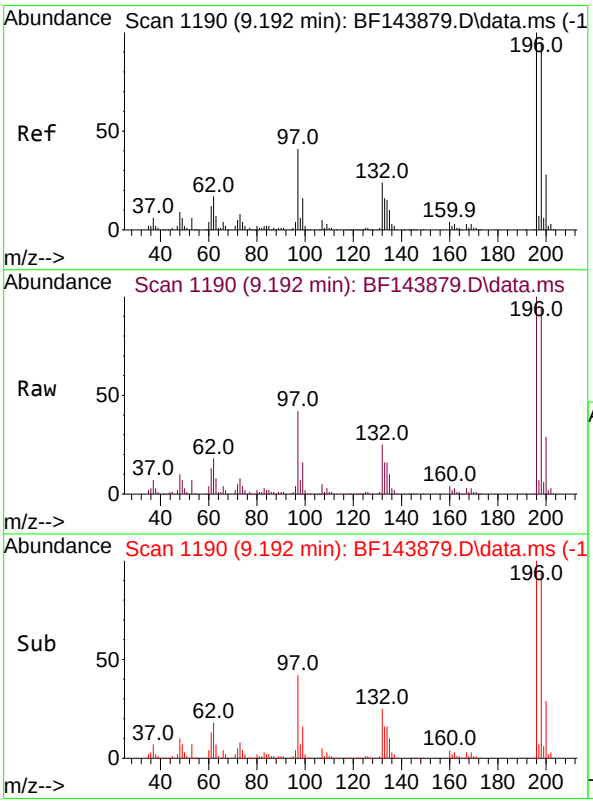
Ion	Ratio	Lower	Upper
196	100		
198	91.0	72.8	109.2
200	30.0	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

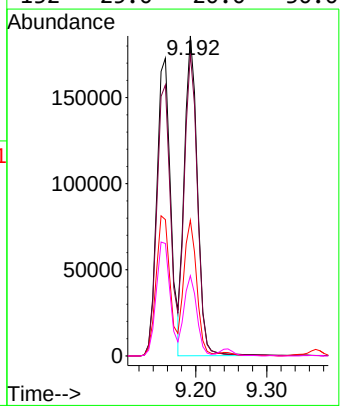
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

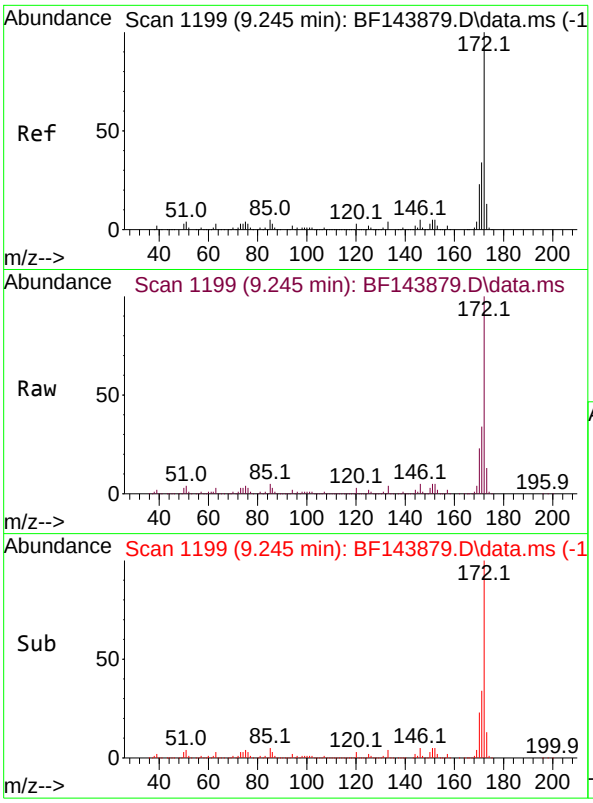


#44
2,4,5-Trichlorophenol
Concen: 42.739 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:196 Resp: 237161

Ion	Ratio	Lower	Upper
196	100		
198	94.4	75.5	113.3
97	42.4	33.9	50.9
132	25.0	20.0	30.0

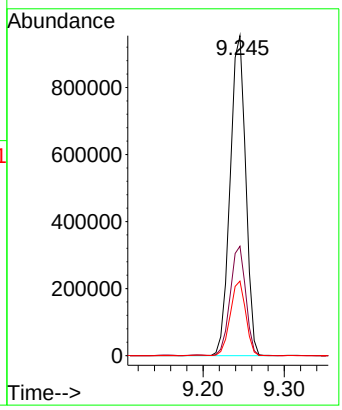




#45
2-Fluorobiphenyl
Concen: 77.695 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:172 Resp: 127321

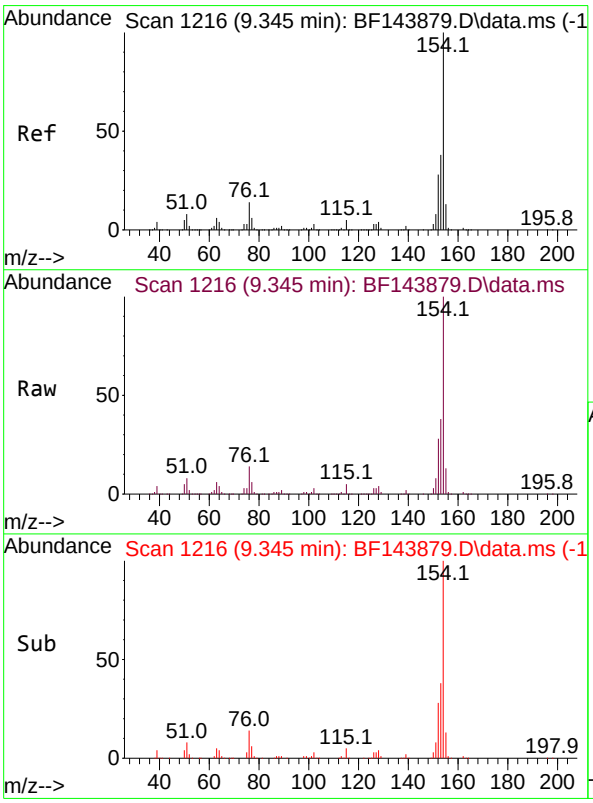
Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.4	41.0
170	23.3	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

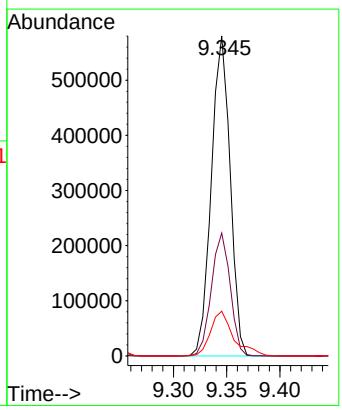
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

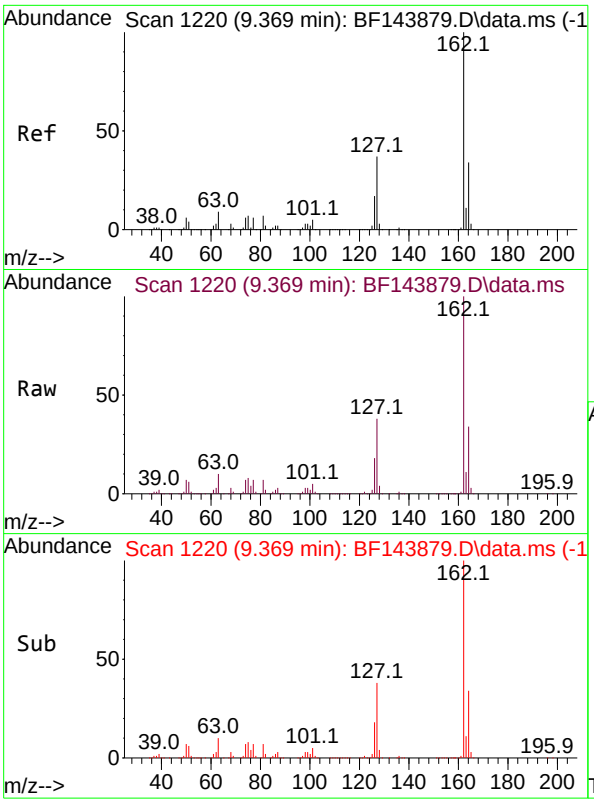


#46
1,1'-Biphenyl
Concen: 41.490 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:154 Resp: 714293

Ion	Ratio	Lower	Upper
154	100		
153	38.4	18.4	58.4
76	14.0	0.0	34.0

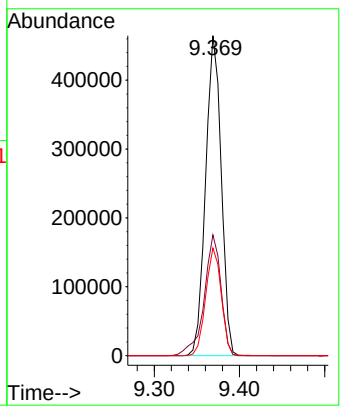




#47
2-Chloronaphthalene
Concen: 41.204 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:162 Resp: 59144

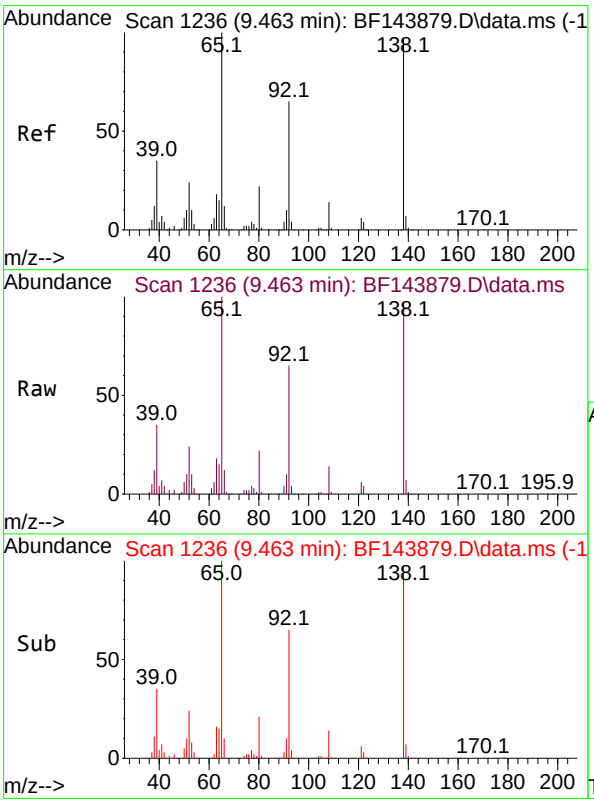
Ion	Ratio	Lower	Upper
162	100		
127	37.7	30.2	45.2
164	33.6	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

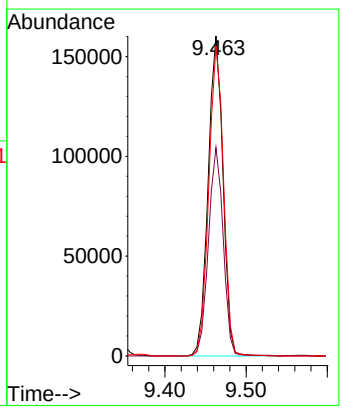
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

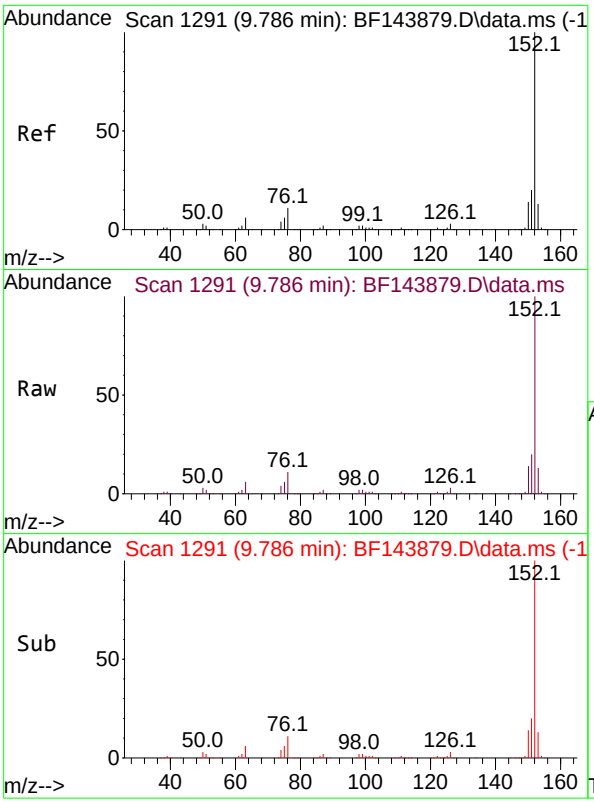


#48
2-Nitroaniline
Concen: 44.894 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 65 Resp: 203733

Ion	Ratio	Lower	Upper
65	100		
92	65.1	52.1	78.1
138	96.8	77.4	116.2

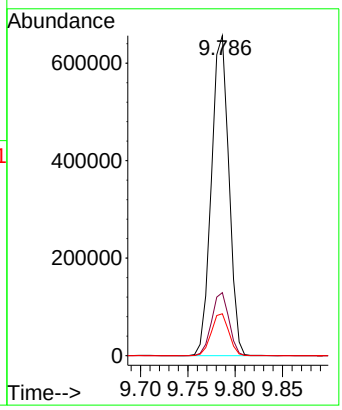




#49
Acenaphthylene
Concen: 41.828 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:152 Resp: 84406

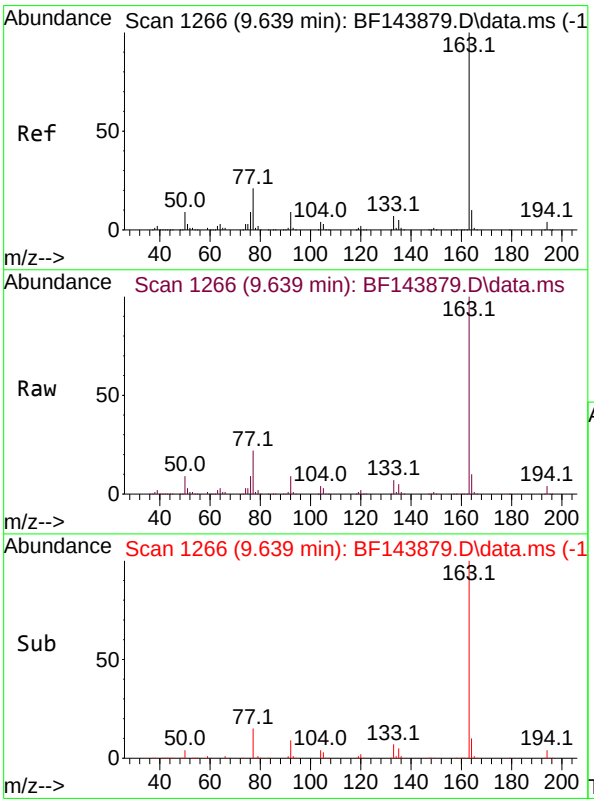
Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.1	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

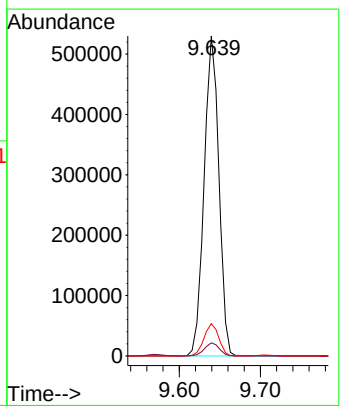
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

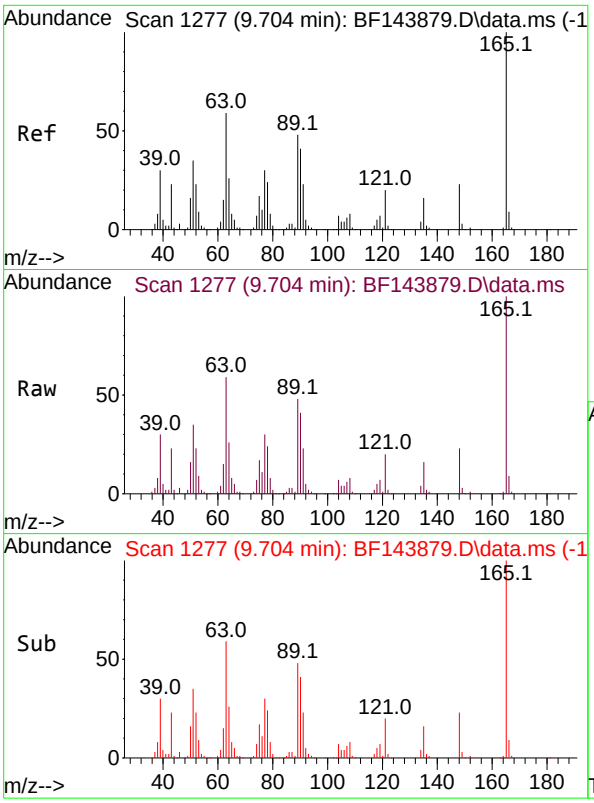


#50
Dimethylphthalate
Concen: 40.653 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:163 Resp: 671290

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.1	8.1	12.1

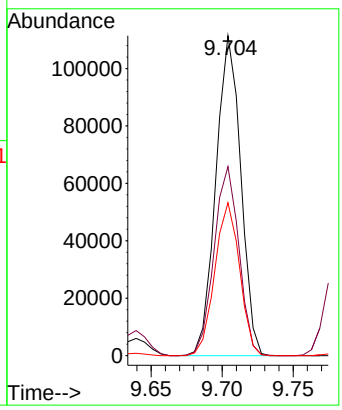




#51
2,6-Dinitrotoluene
Concen: 44.481 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:165 Resp: 13619

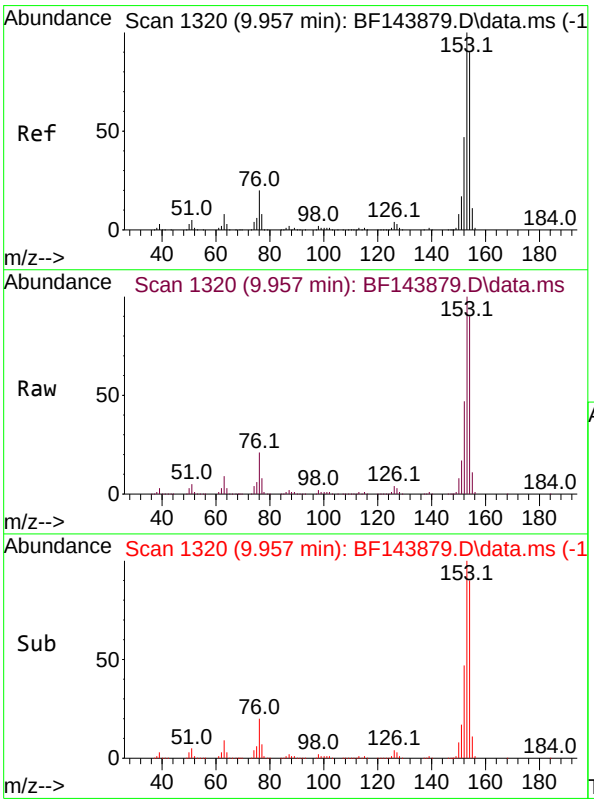
Ion	Ratio	Lower	Upper
165	100		
63	59.1	47.3	70.9
89	47.8	38.2	57.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

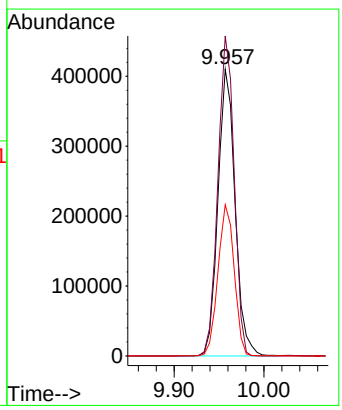
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

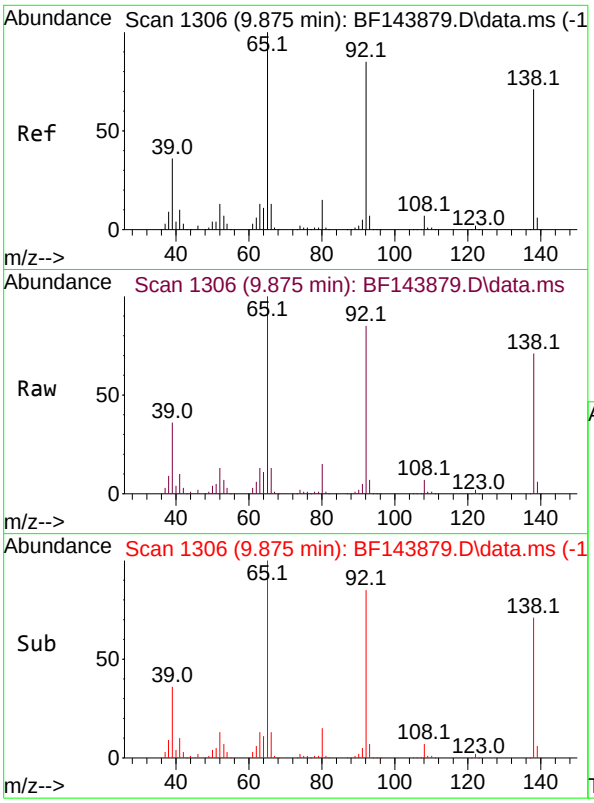


#52
Acenaphthene
Concen: 41.390 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:154 Resp: 547286

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.3	133.9
152	52.7	42.2	63.2





#53
3-Nitroaniline
Concen: 42.507 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

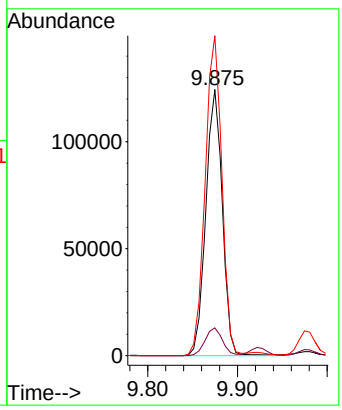
Tgt Ion:138 Resp: 15936

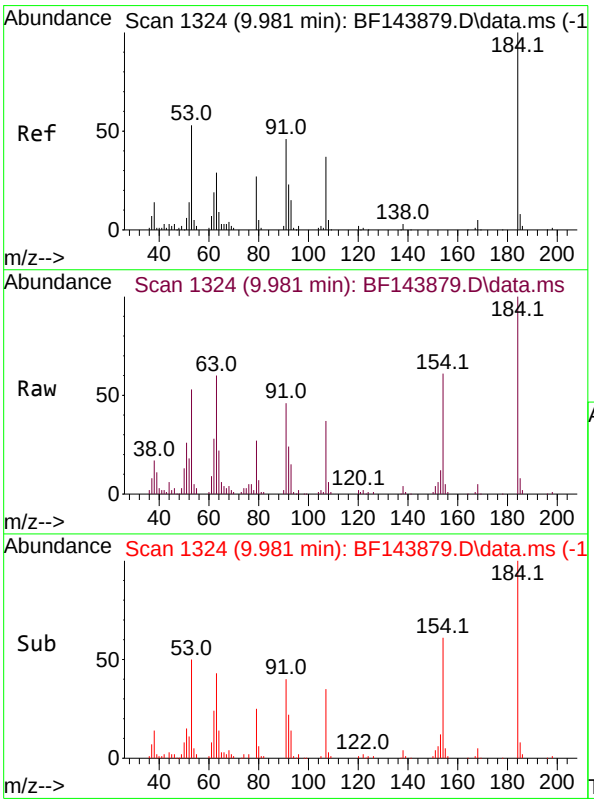
Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.3	12.5
92	120.2	96.2	144.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

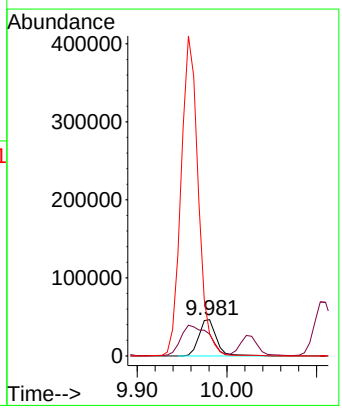


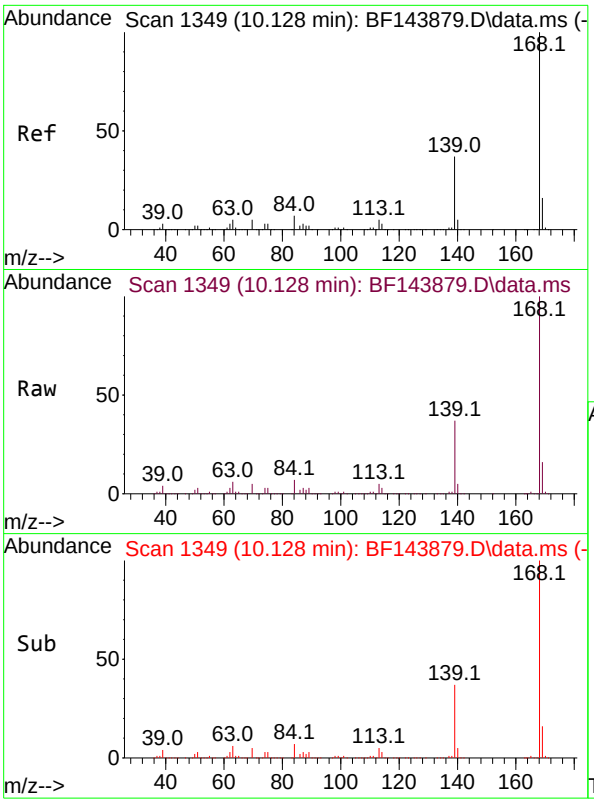


#54
2,4-Dinitrophenol
Concen: 37.010 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.005 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:184 Resp: 62187

Ion	Ratio	Lower	Upper
184	100		
63	60.3	48.2	72.4
154	61.5	49.2	73.8

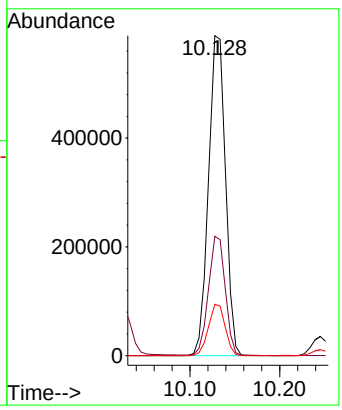




#55
Dibenzofuran
Concen: 41.625 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:168 Resp: 77695

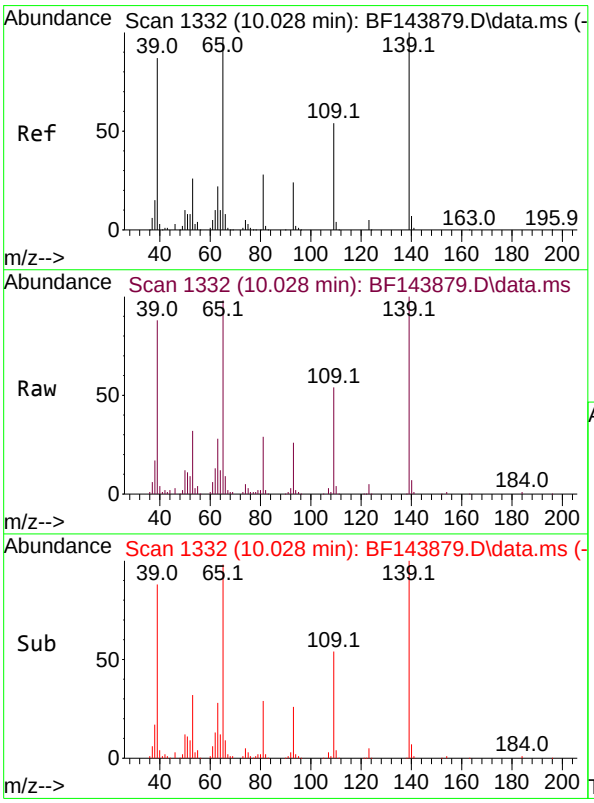
Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.8	44.8
169	16.0	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

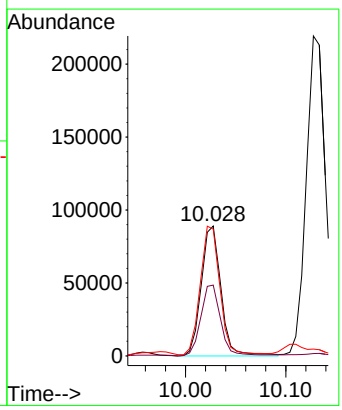
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

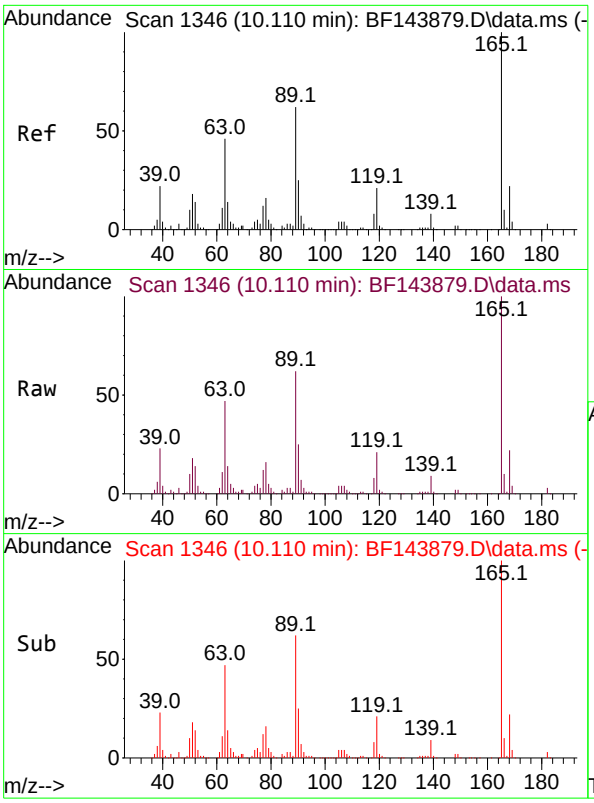


#56
4-Nitrophenol
Concen: 42.807 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.011 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:139 Resp: 121519

Ion	Ratio	Lower	Upper
139	100		
109	54.5	34.5	74.5
65	97.6	77.6	117.6

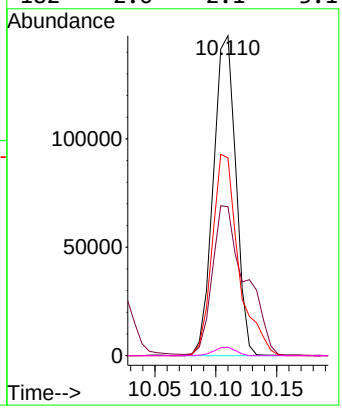




#57
2,4-Dinitrotoluene
Concen: 45.597 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:165 Resp: 18996

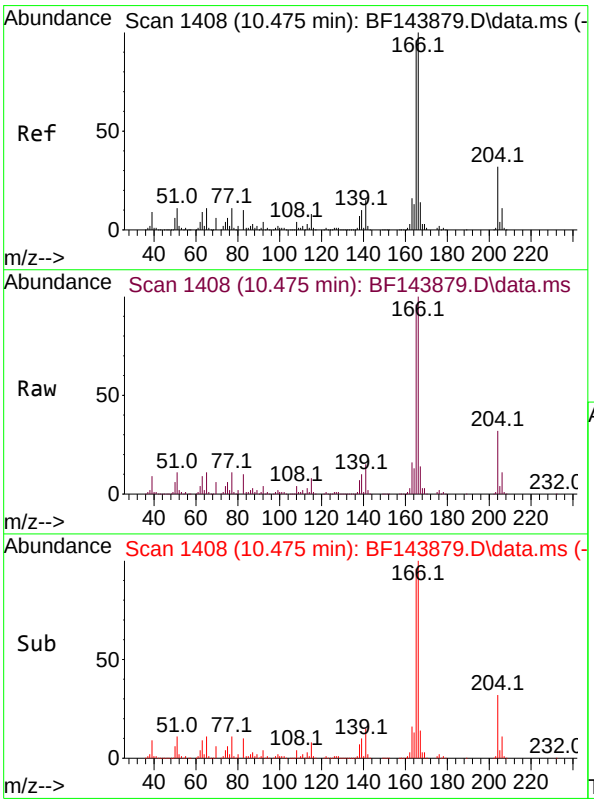
Ion	Ratio	Lower	Upper
165	100		
63	46.5	37.2	55.8
89	61.8	49.4	74.2
182	2.6	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

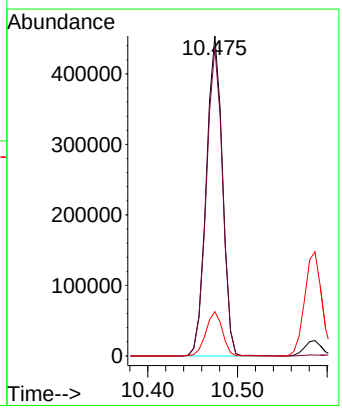
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

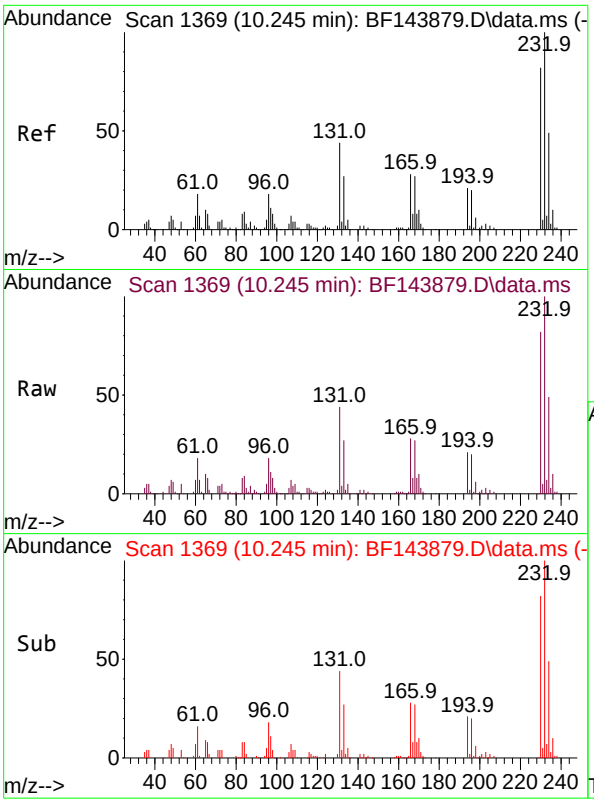


#58
Fluorene
Concen: 40.506 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:166 Resp: 570508

Ion	Ratio	Lower	Upper
166	100		
165	96.3	77.0	115.6
167	13.9	11.1	16.7

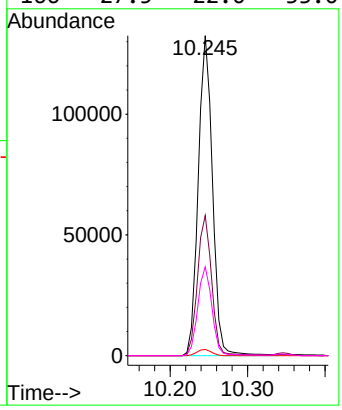




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.006 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:232 Resp: 16893

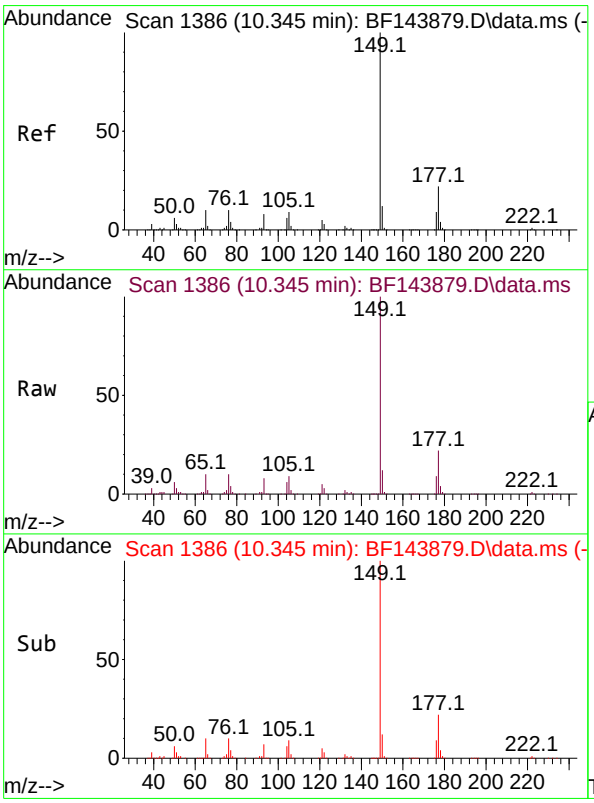
Ion	Ratio	Lower	Upper
232	100		
131	43.6	34.9	52.3
130	2.0	1.6	2.4
166	27.5	22.0	33.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

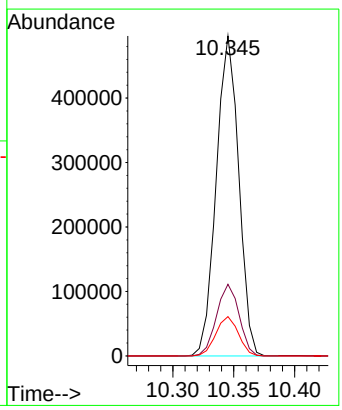
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

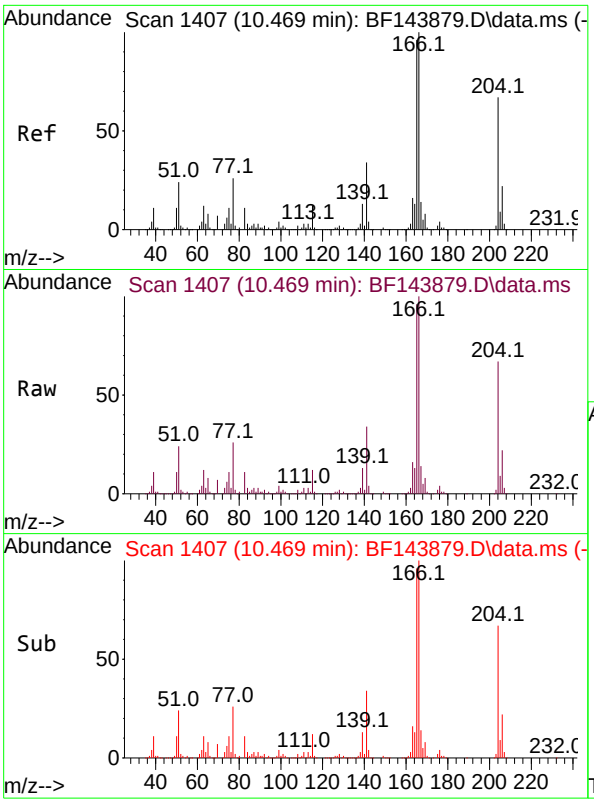


#60
Diethylphthalate
Concen: 41.422 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:149 Resp: 635433

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.9	26.9
150	12.3	9.8	14.8

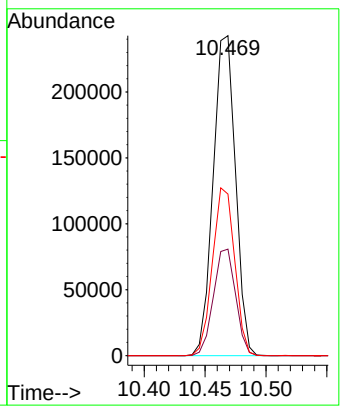




#61
4-Chlorophenyl-phenylether
Concen: 41.632 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:204 Resp: 31000

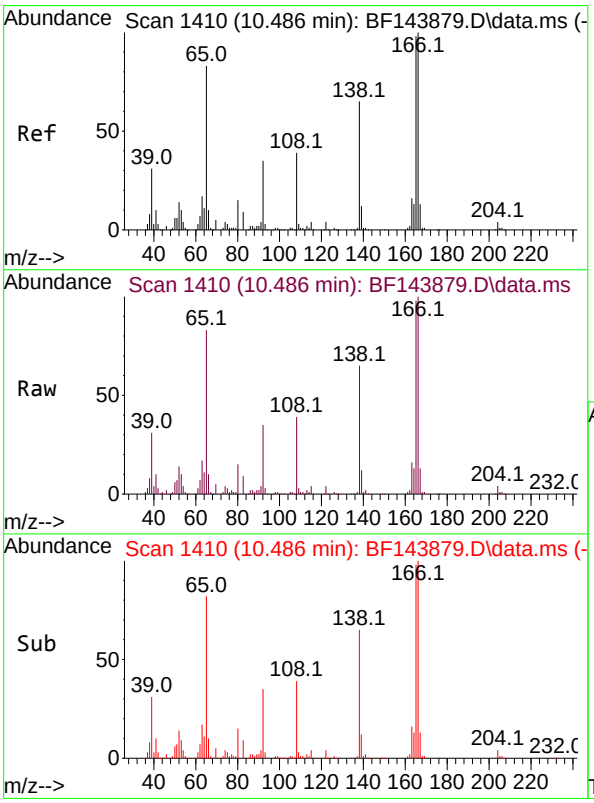
Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.6	40.0
141	50.5	40.4	60.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

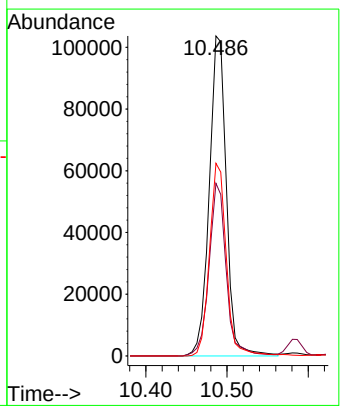
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

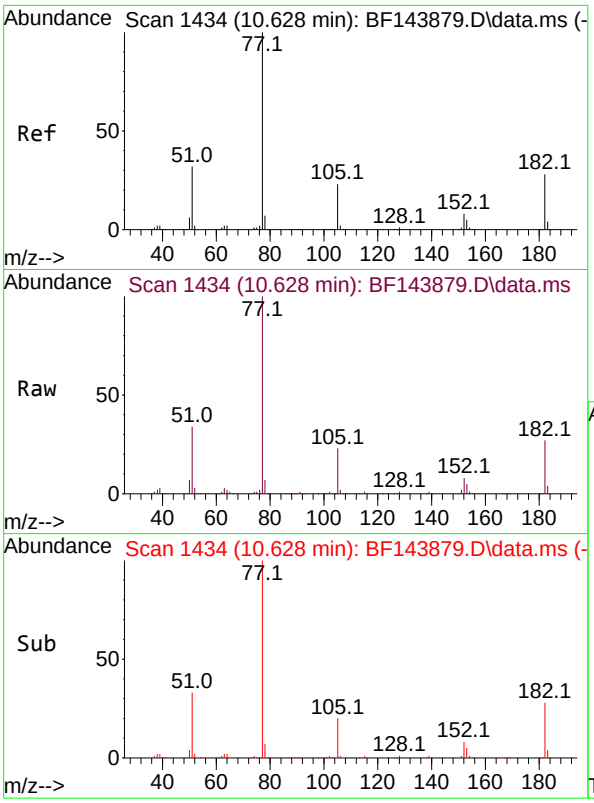


#62
4-Nitroaniline
Concen: 42.123 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.023 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:138 Resp: 151866

Ion	Ratio	Lower	Upper
138	100		
92	53.9	33.9	73.9
108	60.2	40.2	80.2

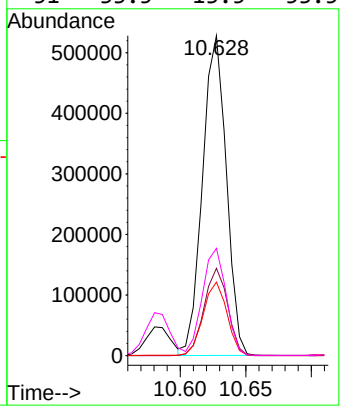




#63
Azobenzene
Concen: 41.521 ng
RT: 10.628 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 77 Resp: 66569

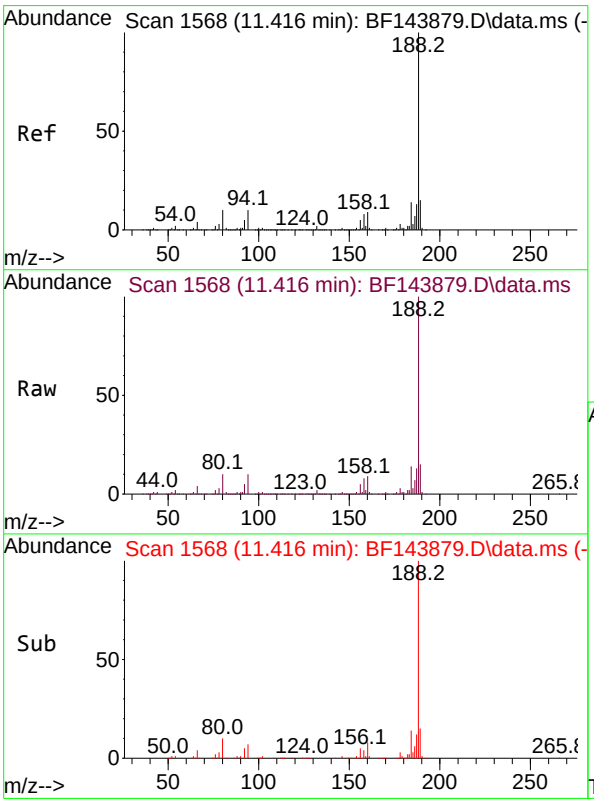
Ion	Ratio	Lower	Upper
77	100		
182	27.3	7.3	47.3
105	23.0	3.0	43.0
51	33.5	13.5	53.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

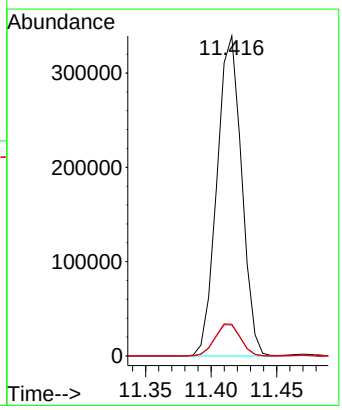
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

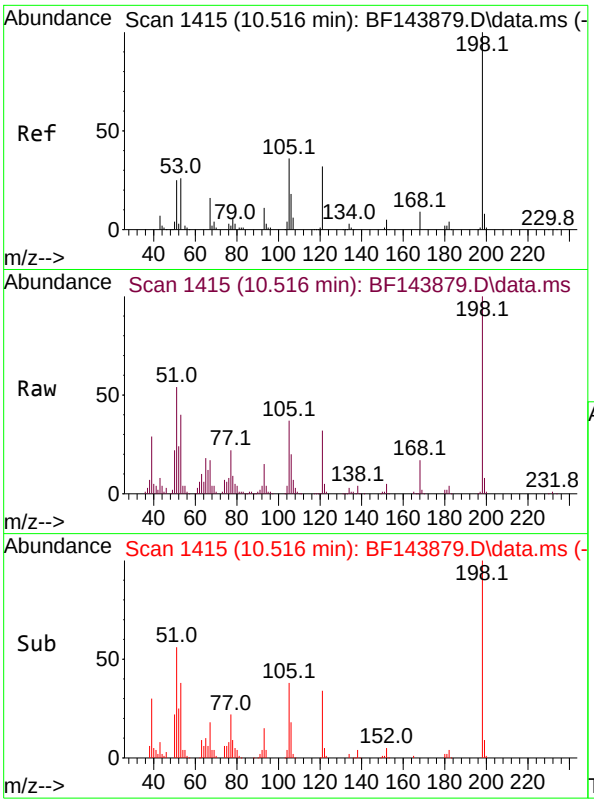


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:188 Resp: 444949

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.8	11.6
80	9.9	7.9	11.9

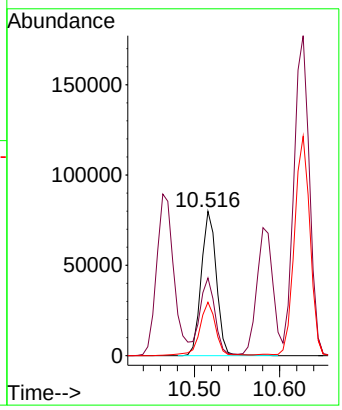




#65
4,6-Dinitro-2-methylphenol
Concen: 44.075 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:198 Resp: 9855

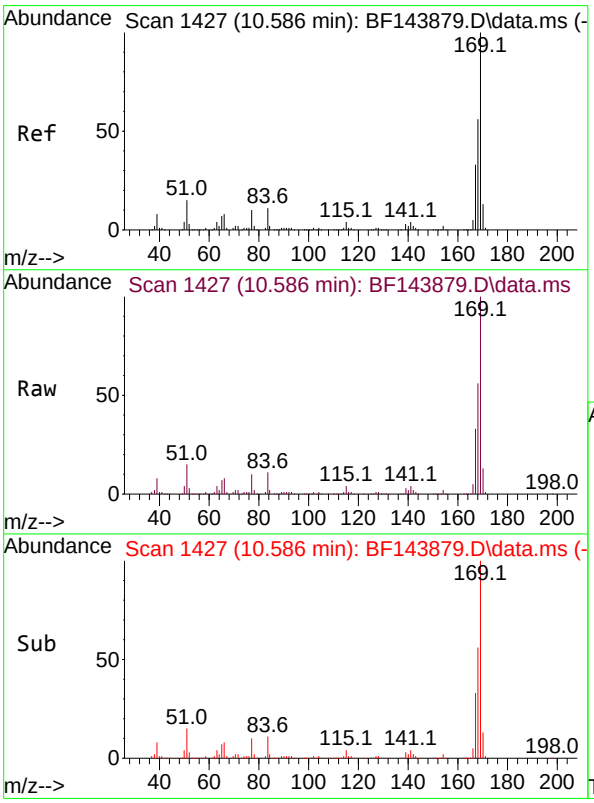
Ion	Ratio	Lower	Upper
198	100		
51	53.8	33.8	73.8
105	37.0	17.0	57.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

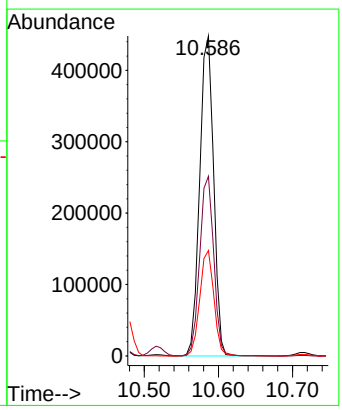
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

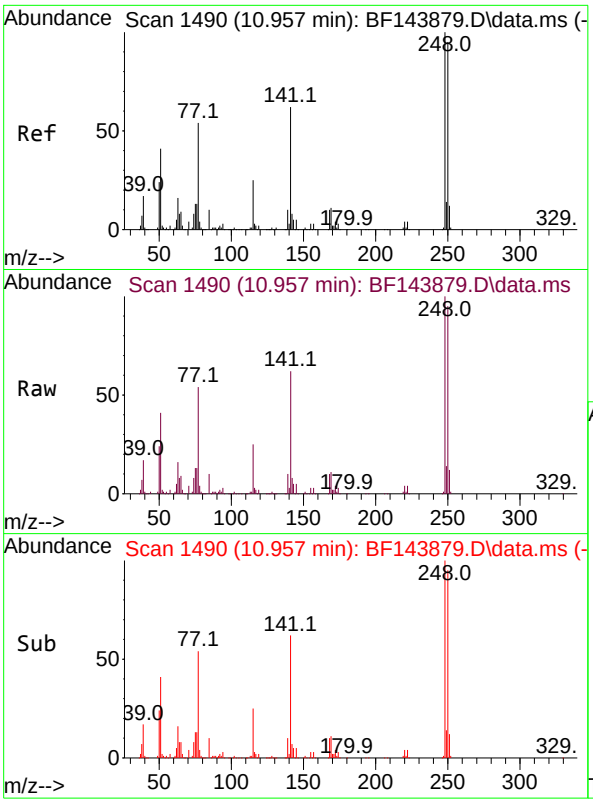


#66
n-Nitrosodiphenylamine
Concen: 41.773 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:169 Resp: 583617

Ion	Ratio	Lower	Upper
169	100		
168	56.1	44.9	67.3
167	32.9	26.3	39.5

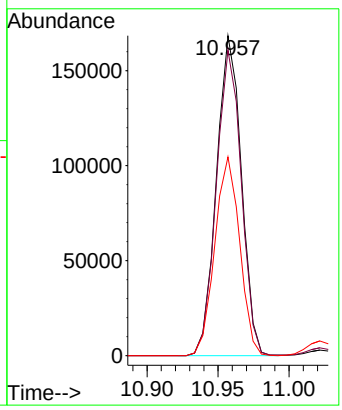




#67
4-Bromophenyl-phenylether
Concen: 41.803 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:248 Resp: 20555

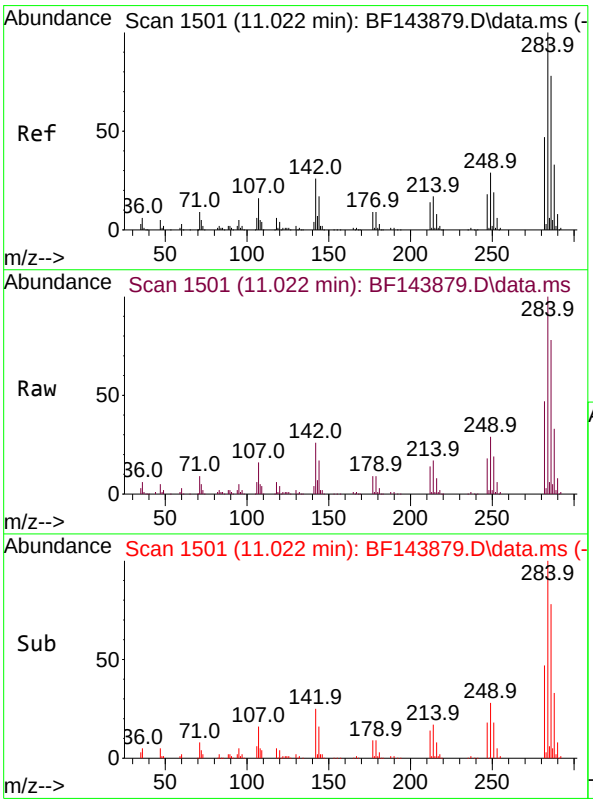
Ion	Ratio	Lower	Upper
248	100		
250	95.4	76.3	114.5
141	62.1	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

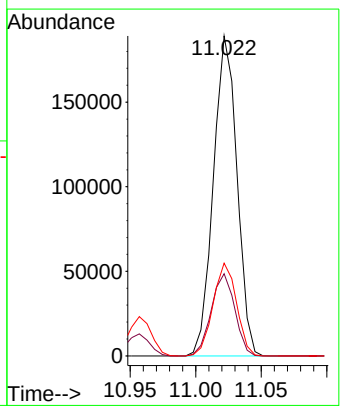
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

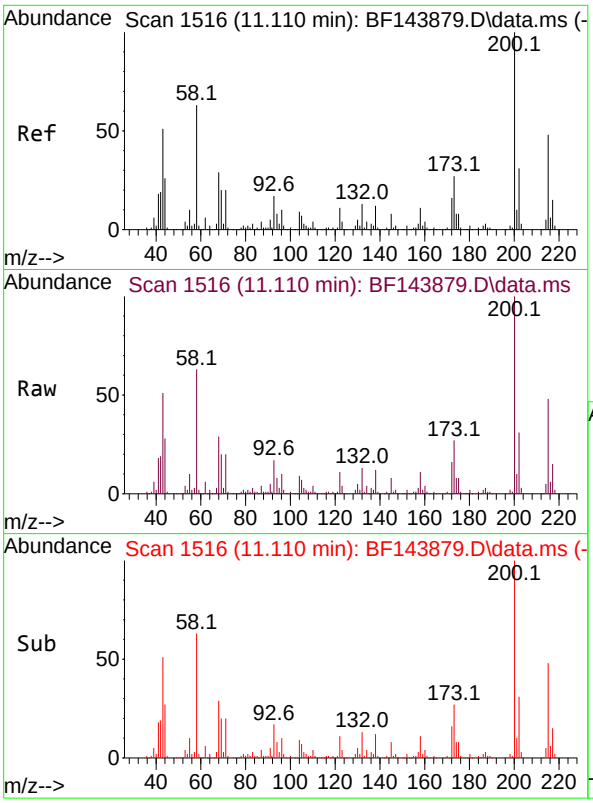


#68
Hexachlorobenzene
Concen: 41.695 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:284 Resp: 237363

Ion	Ratio	Lower	Upper
284	100		
142	25.7	20.6	30.8
249	29.0	23.2	34.8

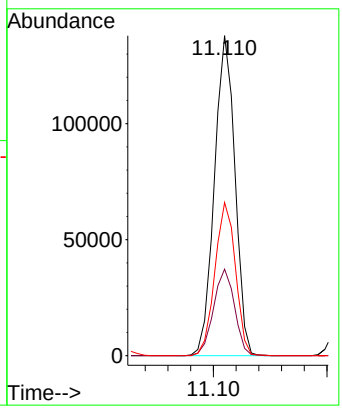




#69
Atrazine
Concen: 40.905 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:200 Resp: 17321

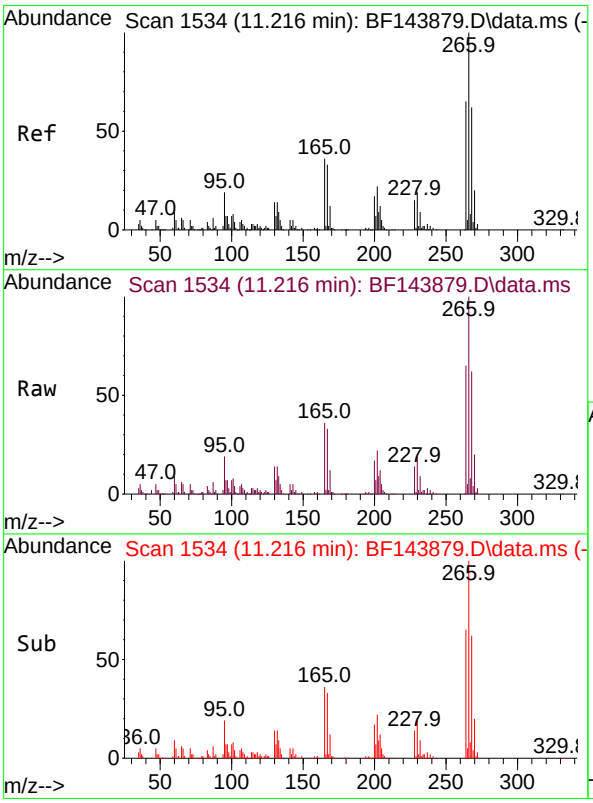
Ion	Ratio	Lower	Upper
200	100		
173	27.0	7.0	47.0
215	47.8	27.8	67.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

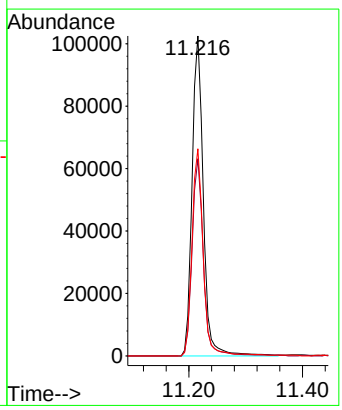
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

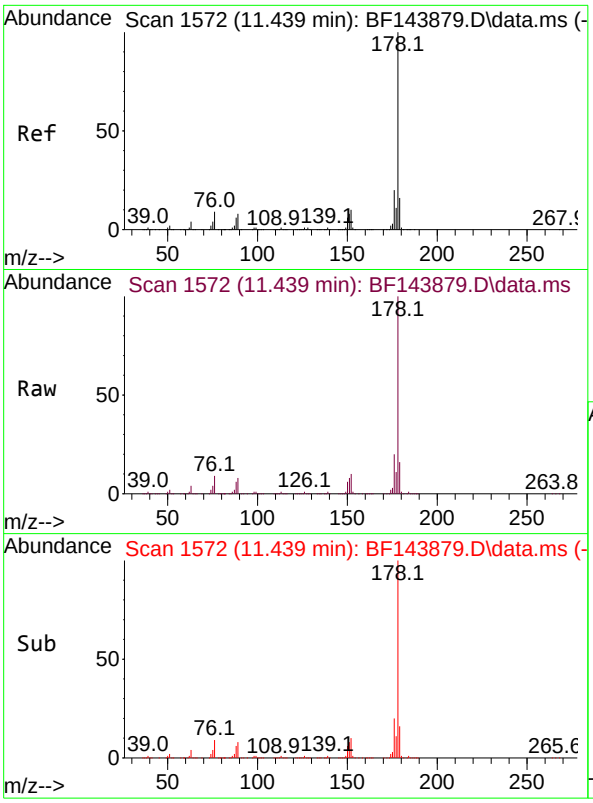


#70
Pentachlorophenol
Concen: 42.862 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:266 Resp: 140140

Ion	Ratio	Lower	Upper
266	100		
268	61.7	49.4	74.0
264	64.7	51.8	77.6

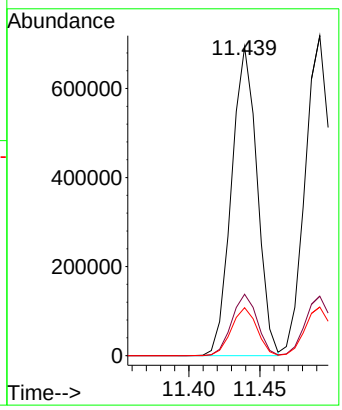




#71
Phenanthrene
Concen: 40.266 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:178 Resp: 86859

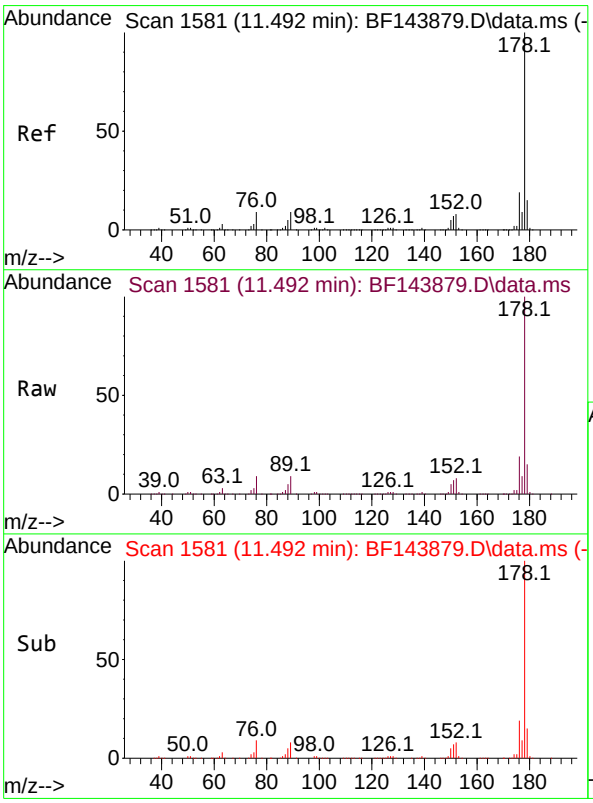
Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.9	23.9
179	15.5	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

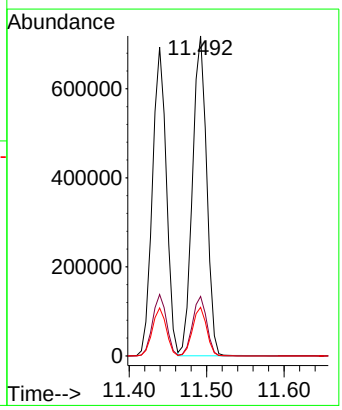
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

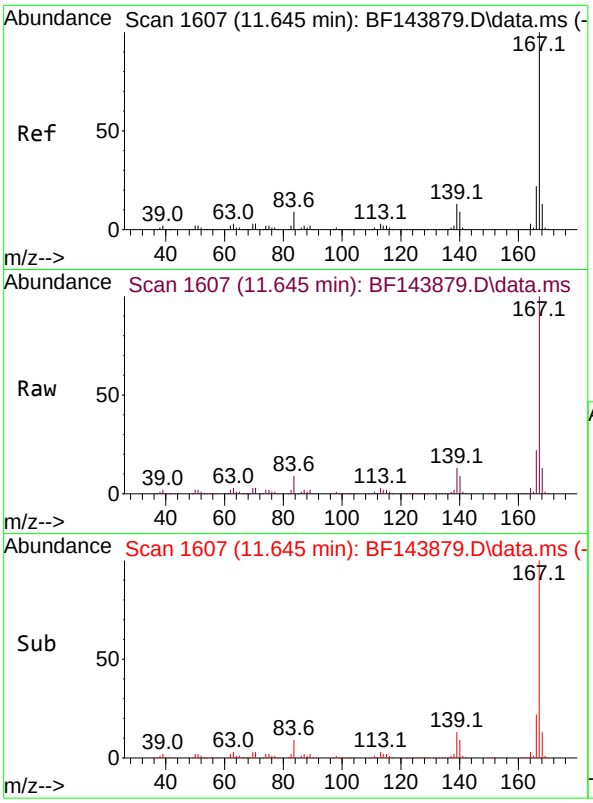


#72
Anthracene
Concen: 41.850 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:178 Resp: 912011

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.2	12.2	18.2

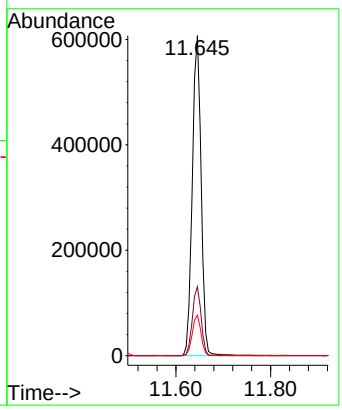




#73
Carbazole
Concen: 40.765 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:167 Resp: 78678

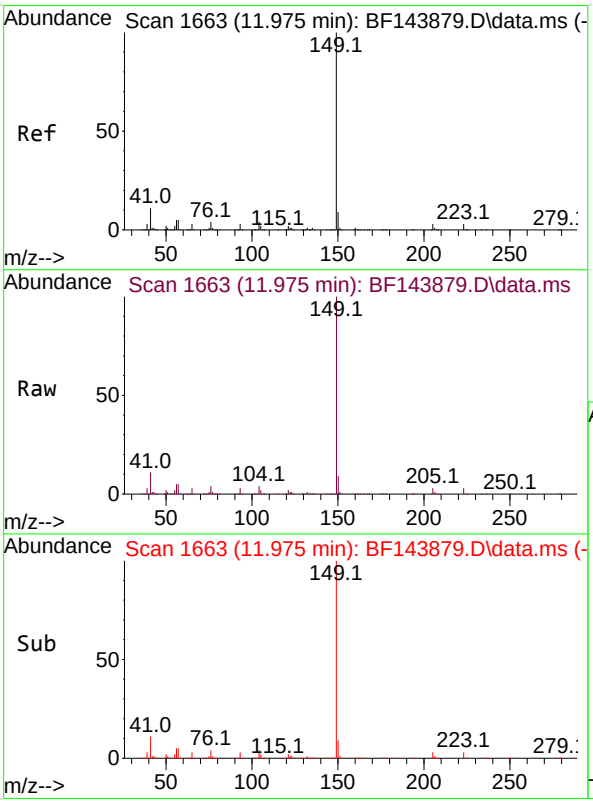
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	12.6	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

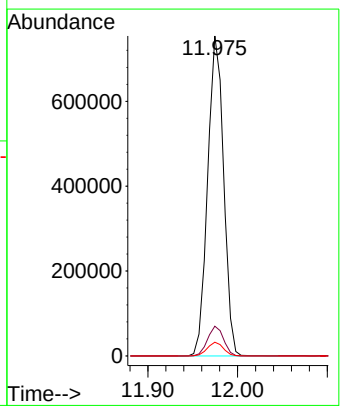
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

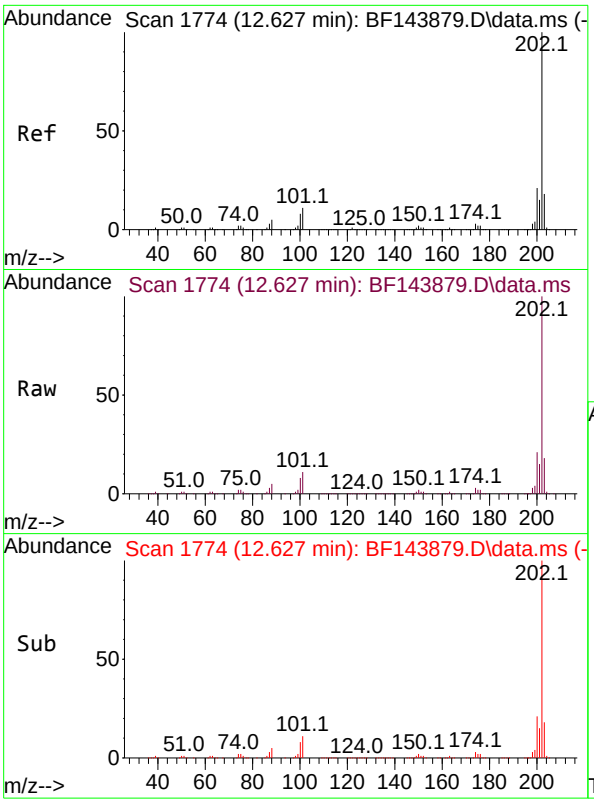


#74
Di-n-butylphthalate
Concen: 41.884 ng
RT: 11.975 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:149 Resp: 936899

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.3	3.4	5.2

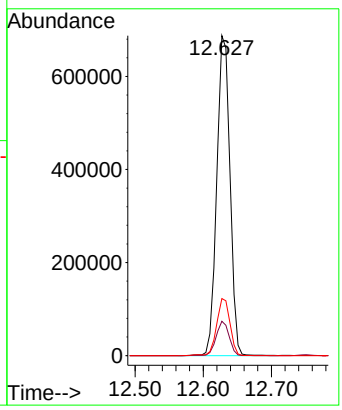




#75
Fluoranthene
Concen: 41.223 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:202 Resp: 91850

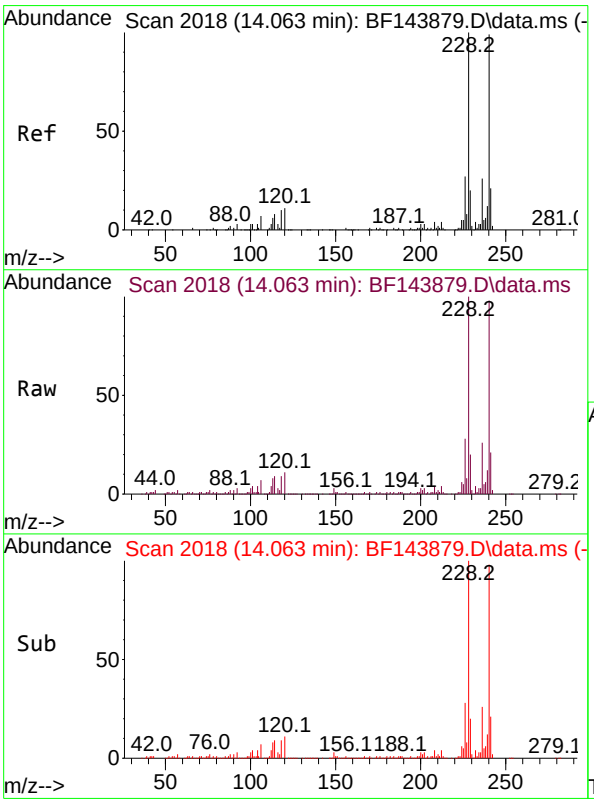
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	30.7
203	17.8	0.0	37.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

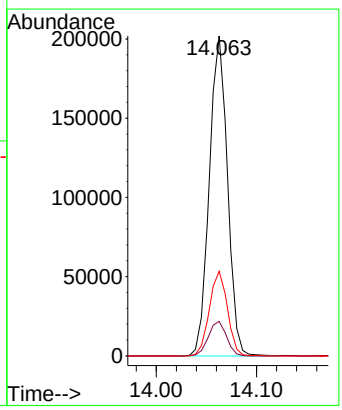
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

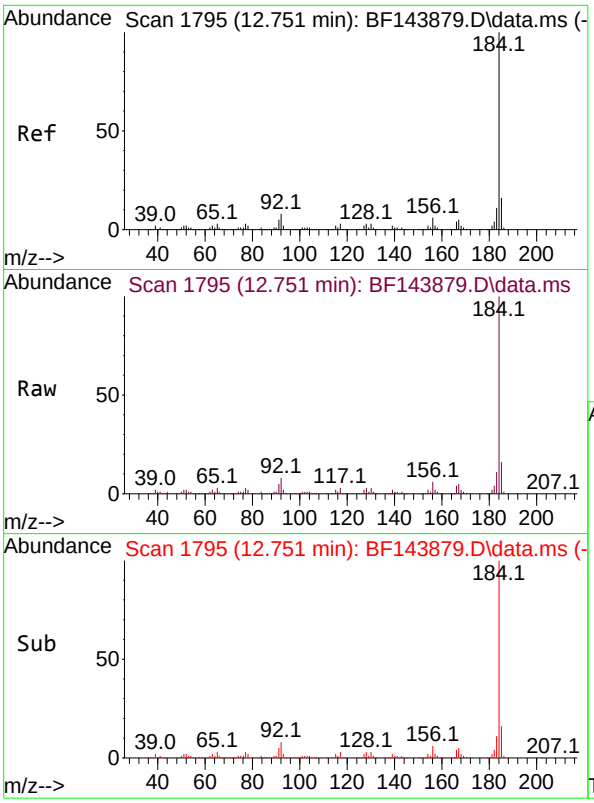


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:240 Resp: 254576

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.6	13.0
236	26.4	21.1	31.7

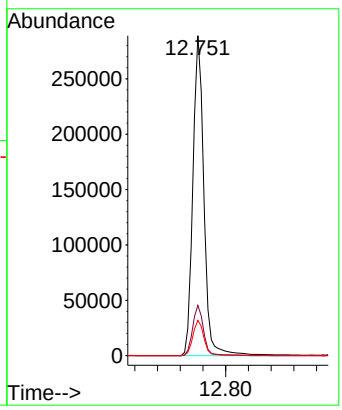




#77
Benzidine
Concen: 43.833 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:184 Resp: 38746

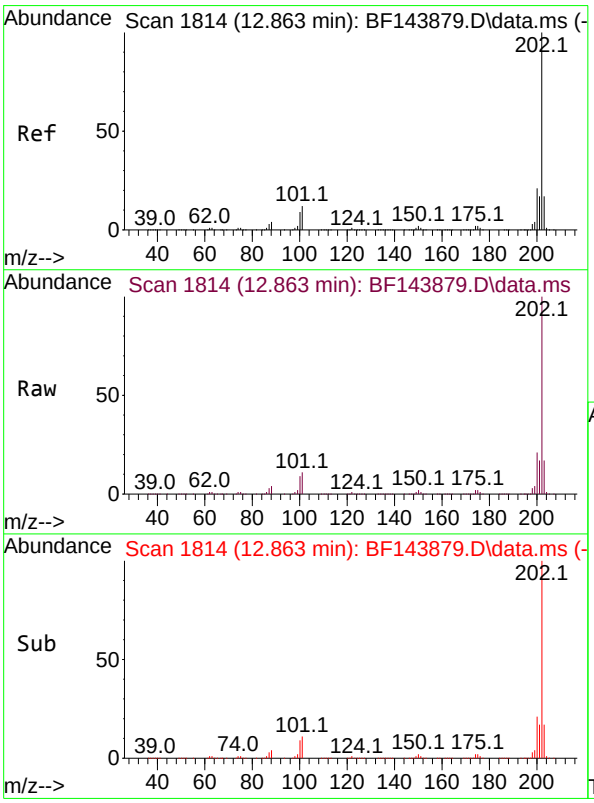
Ion	Ratio	Lower	Upper
184	100		
185	15.7	12.6	18.8
183	11.0	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

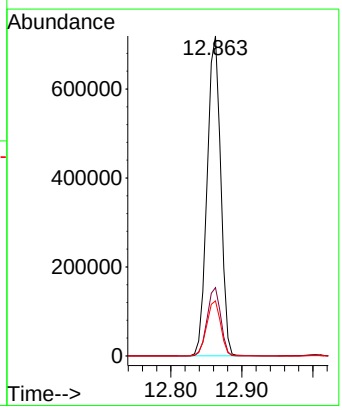
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

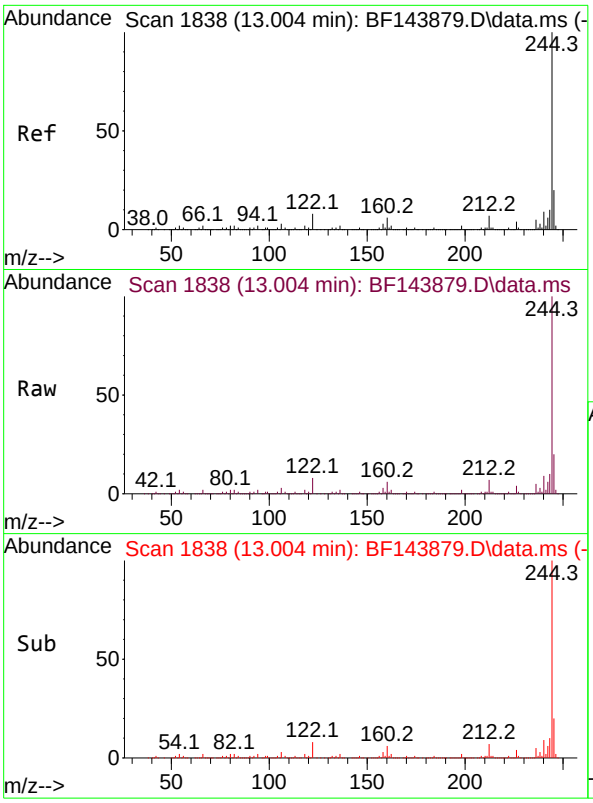


#78
Pyrene
Concen: 44.692 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:202 Resp: 948521

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.6
203	17.2	13.8	20.6

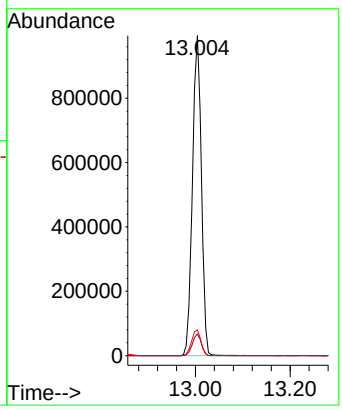




#79
Terphenyl-d14
Concen: 87.451 ng
RT: 13.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:244 Resp: 130263

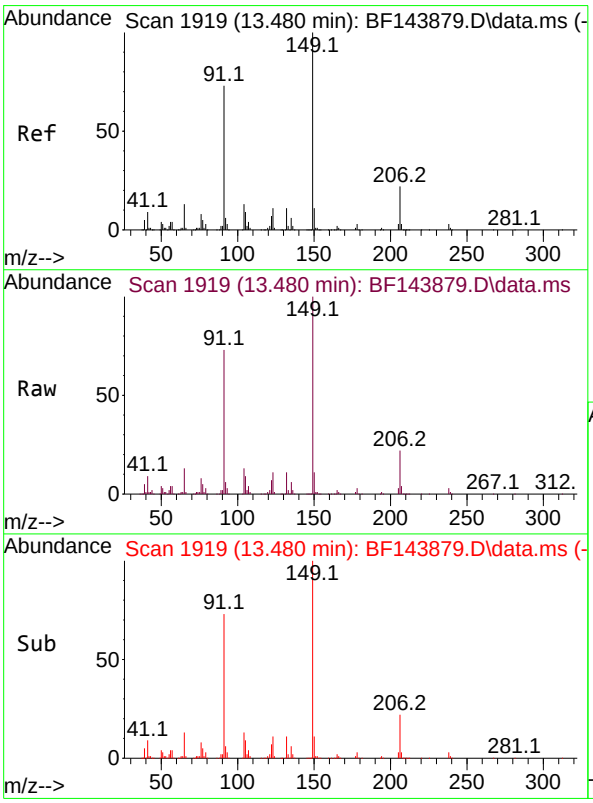
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	8.0	6.4	9.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

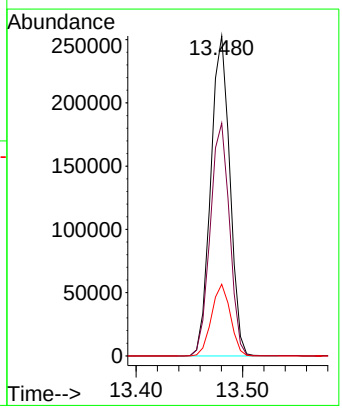
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

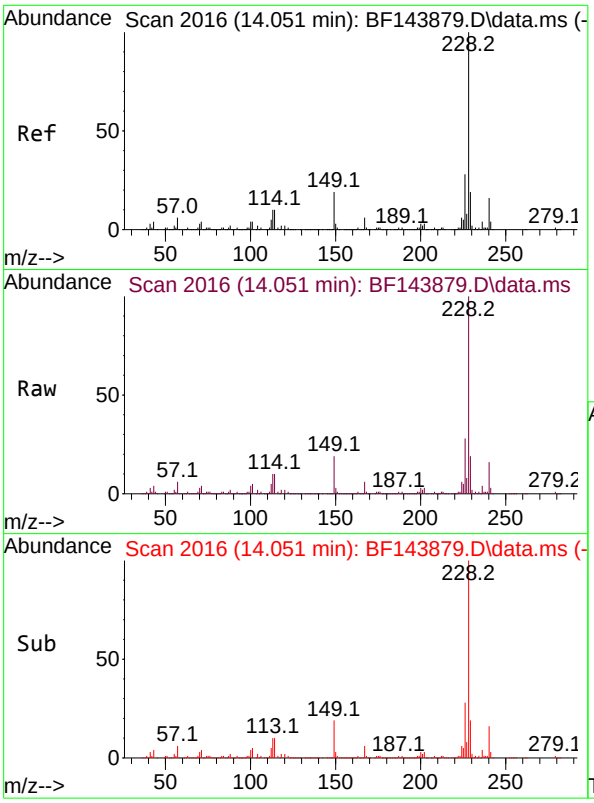


#80
Butylbenzylphthalate
Concen: 45.804 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:149 Resp: 315716

Ion	Ratio	Lower	Upper
149	100		
91	72.7	58.2	87.2
206	22.4	17.9	26.9

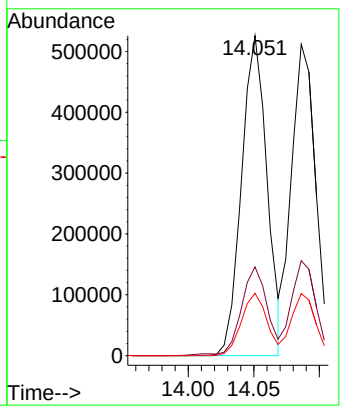




#81
Benzo(a)anthracene
Concen: 42.715 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:228 Resp: 711609

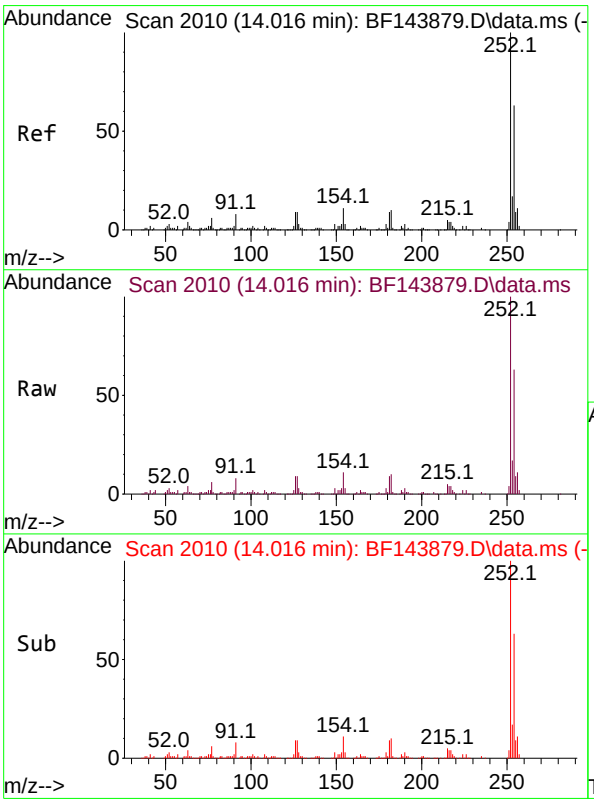
Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.2
229	19.5	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

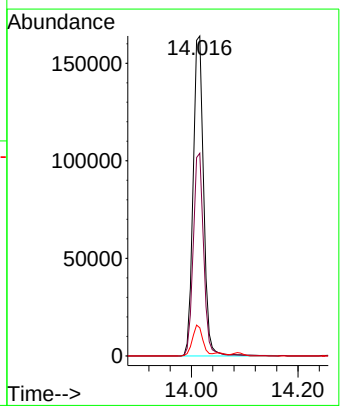
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

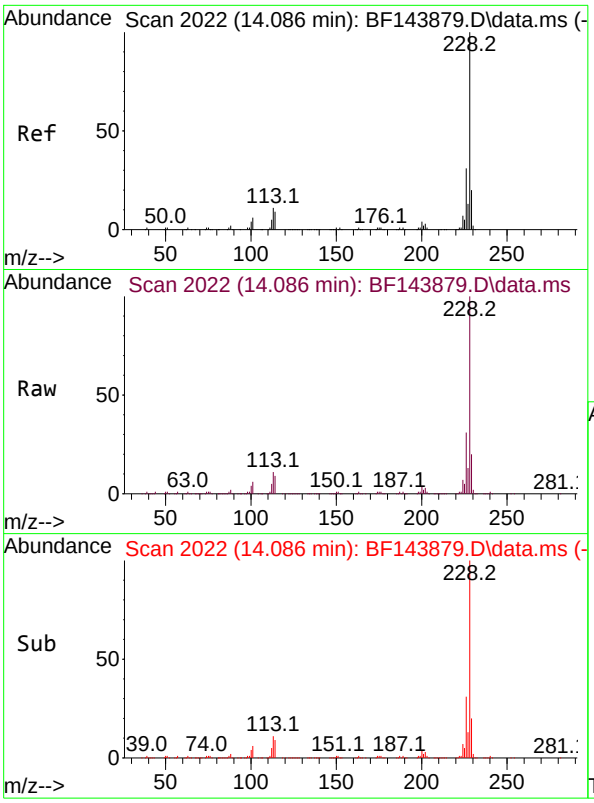


#82
3,3'-Dichlorobenzidine
Concen: 44.135 ng
RT: 14.016 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:252 Resp: 224071

Ion	Ratio	Lower	Upper
252	100		
254	63.3	50.6	76.0
126	8.8	7.0	10.6

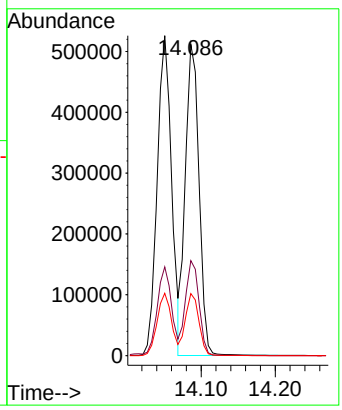




#83
Chrysene
Concen: 42.717 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:228 Resp: 65863

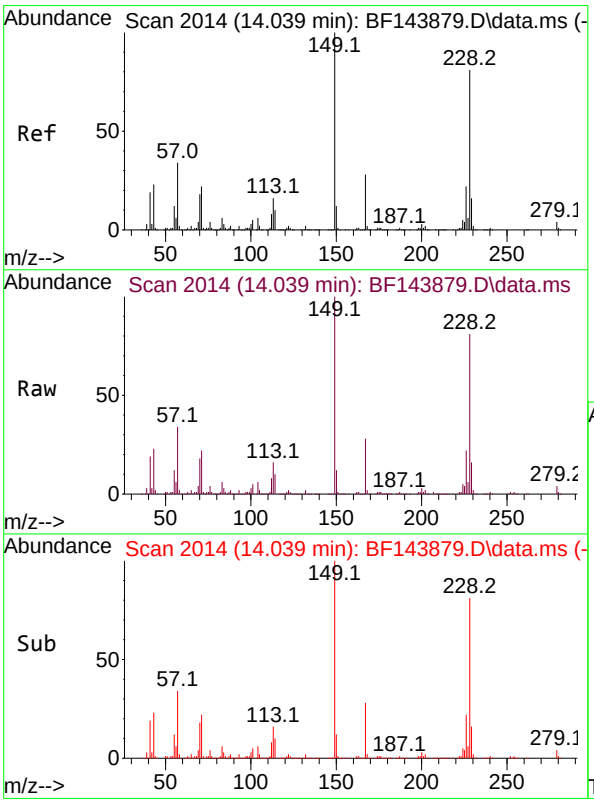
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
229	19.9	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

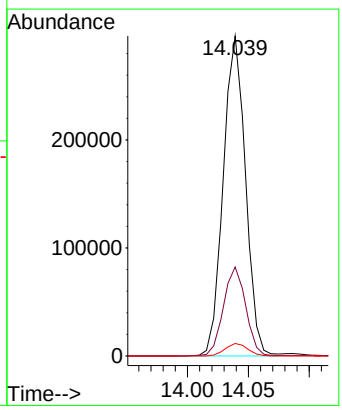
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

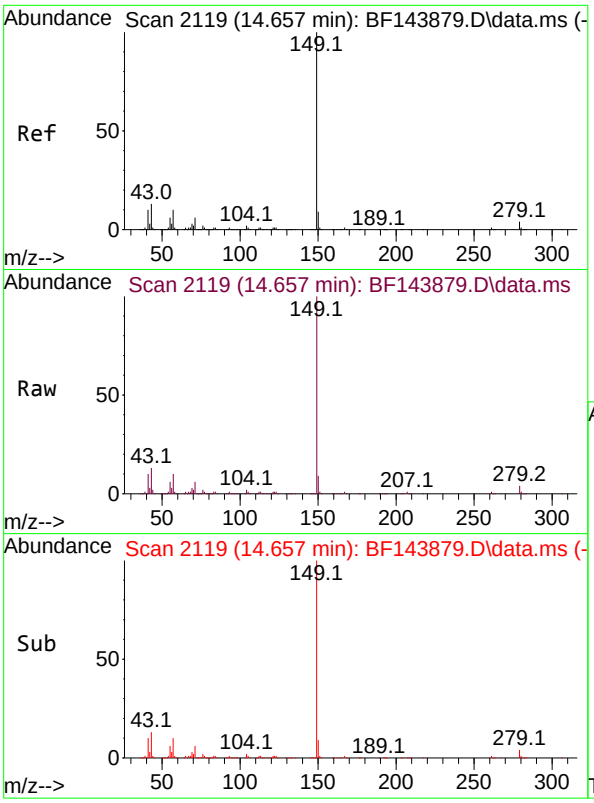


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.286 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:149 Resp: 376273

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.2	33.4
279	3.9	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 44.561 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

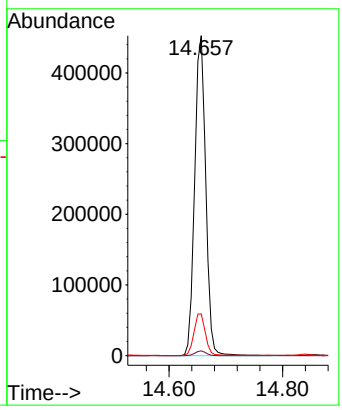
Tgt Ion:149 Resp: 60812

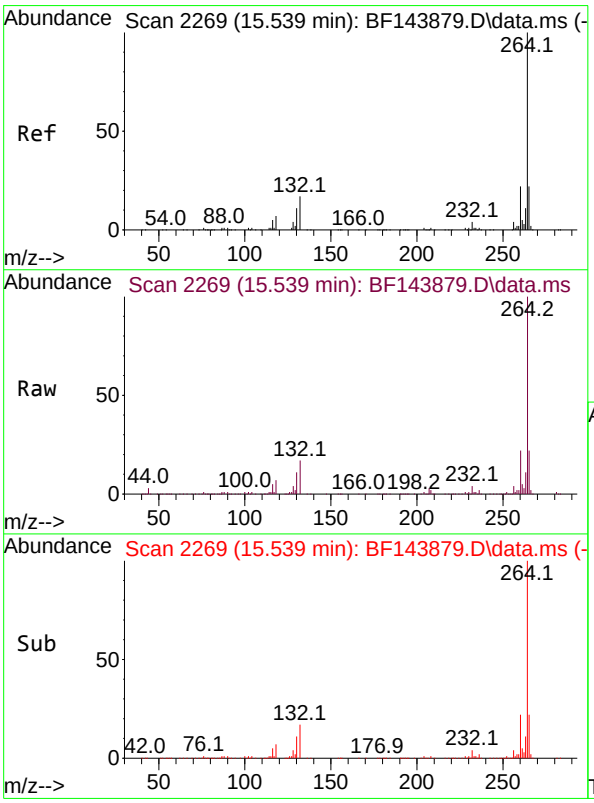
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	13.7	11.0	16.4

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

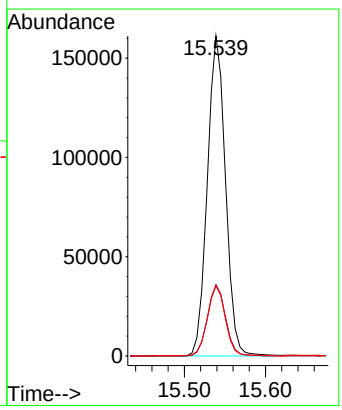


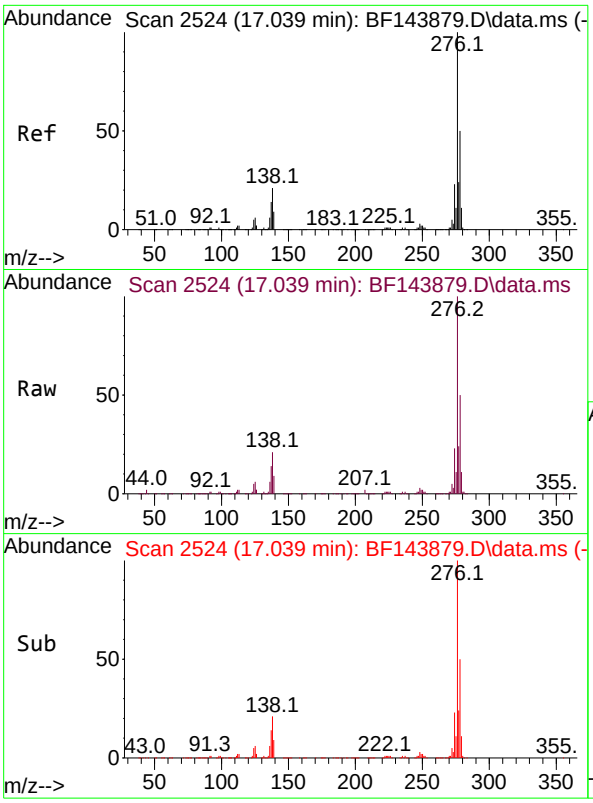


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:264 Resp: 250969

Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.8	26.8
265	21.9	17.5	26.3

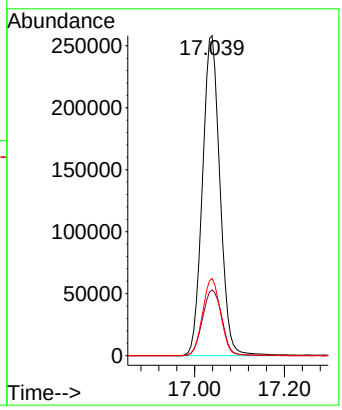




#87
Indeno(1,2,3-cd)pyrene
Concen: 45.470 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:276 Resp: 69923

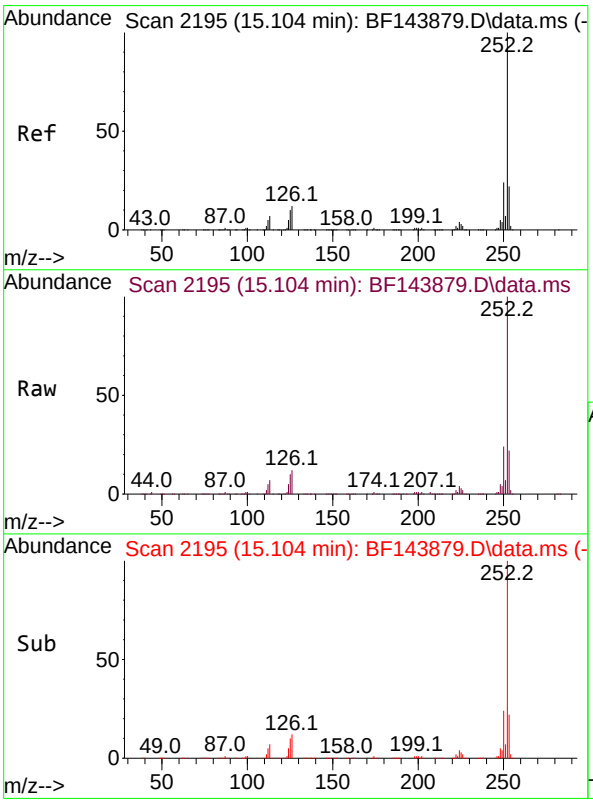
Ion	Ratio	Lower	Upper
276	100		
138	22.7	18.2	27.2
277	24.7	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

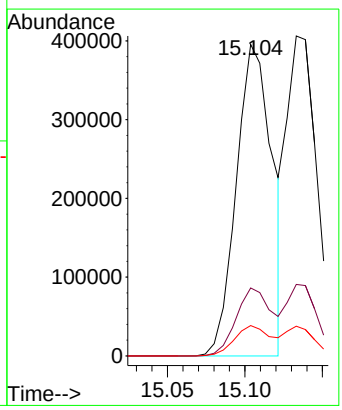
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

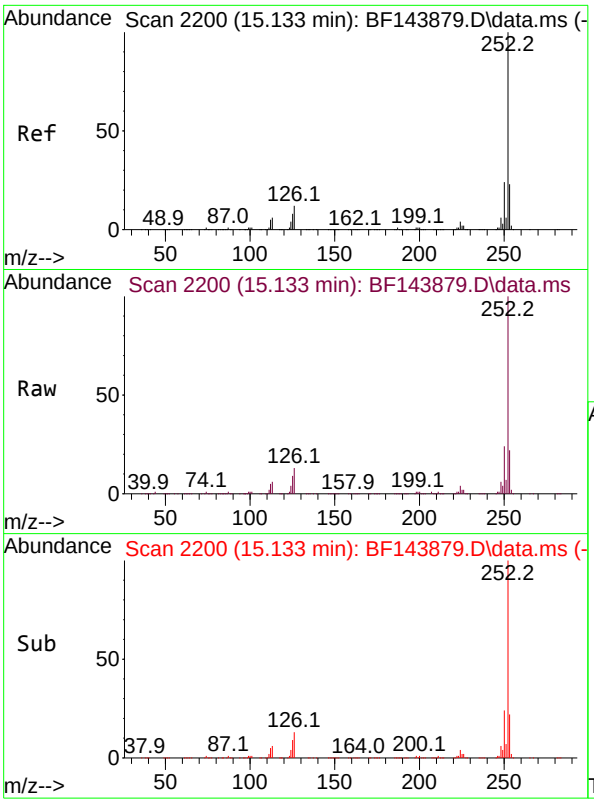


#88
Benzo(b)fluoranthene
Concen: 44.178 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:252 Resp: 636888

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	9.7	7.8	11.6

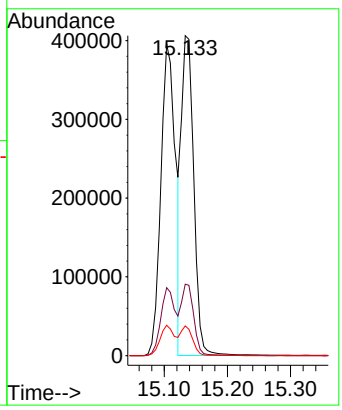




#89
Benzo(k)fluoranthene
Concen: 41.688 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:252 Resp: 55611

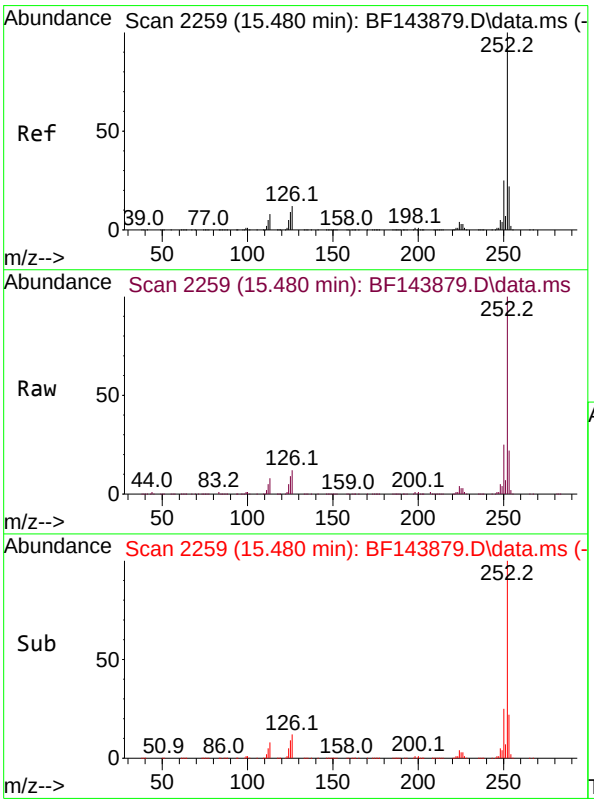
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	9.3	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

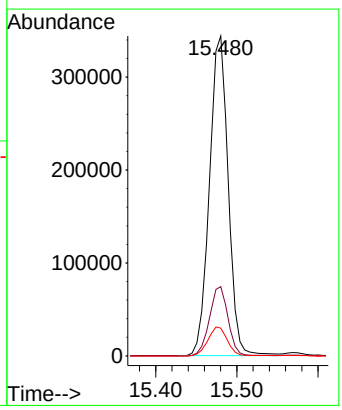
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

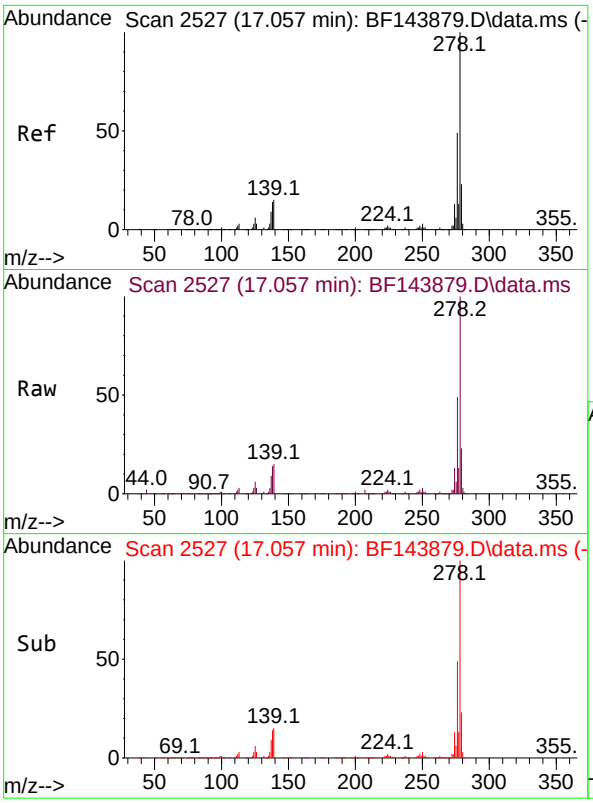


#90
Benzo(a)pyrene
Concen: 44.246 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:252 Resp: 553098

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	8.7	7.0	10.4

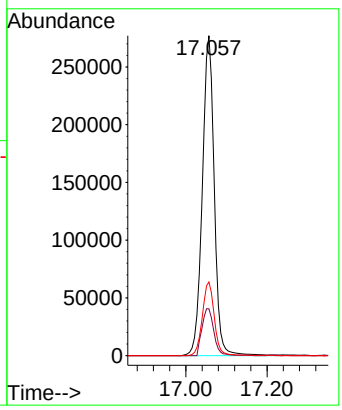




#91
Dibenzo(a,h)anthracene
Concen: 45.774 ng
RT: 17.057 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:278 Resp: 56613

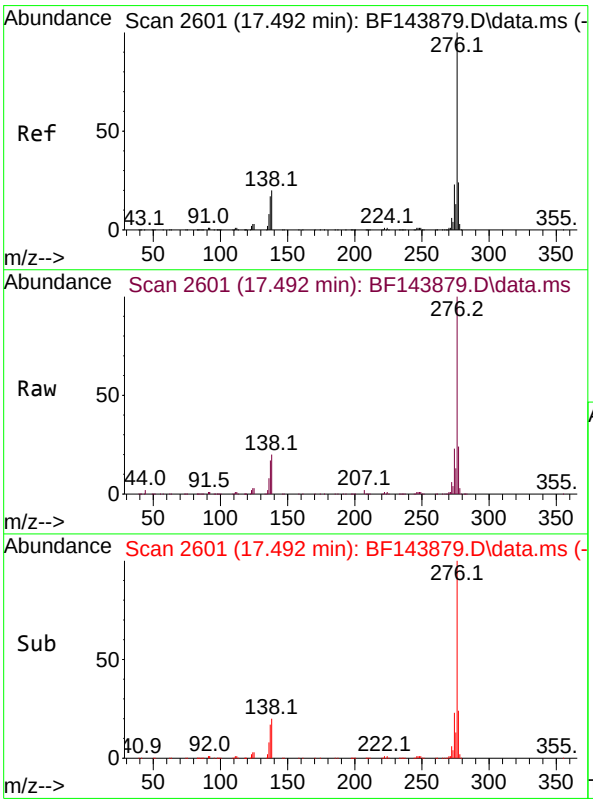
Ion	Ratio	Lower	Upper
278	100		
139	14.6	11.7	17.5
279	23.0	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

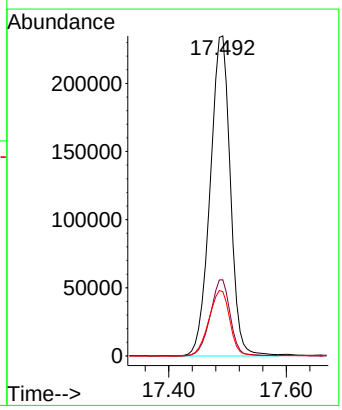
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#92
Benzo(g,h,i)perylene
Concen: 45.340 ng
RT: 17.492 min Scan# 2601
Delta R.T. -0.023 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:276 Resp: 560761

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	20.1	16.1	24.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143880.D
Acq On : 06 Oct 2025 13:23
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Oct 06 15:38:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.887	152	182011	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	710843	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	393762	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	674807	20.000	ng		0.00
76) Chrysene-d12	14.068	240	390779	20.000	ng		0.00
86) Perylene-d12	15.545	264	426414	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1067519	93.138	ng		0.00
7) Phenol-d6	6.510	99	1277645	93.519	ng		0.00
23) Nitrobenzene-d5	7.451	82	1148649	98.174	ng		0.00
42) 2,4,6-Tribromophenol	10.722	330	390657	99.608	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	1936883	78.050	ng		0.00
79) Terphenyl-d14	13.010	244	2083463	91.121	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.646	88	247738	46.709	ng		99
3) Pyridine	3.416	79	759117	49.164	ng		98
4) n-Nitrosodimethylamine	3.381	42	417134	51.355	ng		98
6) Aniline	6.551	93	994174	48.562	ng		99
8) 2-Chlorophenol	6.669	128	546266	48.757	ng		98
9) Benzaldehyde	6.439	77	545259	51.738	ng		99
10) Phenol	6.528	94	799210	48.932	ng		93
11) bis(2-Chloroethyl)ether	6.622	93	595127	47.169	ng		97
12) 1,3-Dichlorobenzene	6.828	146	607764	45.318	ng		98
13) 1,4-Dichlorobenzene	6.904	146	603407	45.612	ng		99
14) 1,2-Dichlorobenzene	7.057	146	583790	46.072	ng		99
15) Benzyl Alcohol	7.028	79	515929	50.402	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.157	45	1368524	47.652	ng		99
17) 2-Methylphenol	7.134	107	448120	48.397	ng		99
18) Hexachloroethane	7.398	117	207432	47.017	ng		97
19) n-Nitroso-di-n-propyla...	7.310	70	441373	47.198	ng		98
20) 3+4-Methylphenols	7.292	107	485879	45.276	ng	#	83
22) Acetophenone	7.298	105	665276	44.262	ng	#	94
24) Nitrobenzene	7.475	77	625692	48.155	ng		98
25) Isophorone	7.716	82	1181135	47.877	ng		98
26) 2-Nitrophenol	7.786	139	296399	53.208	ng		99
27) 2,4-Dimethylphenol	7.816	122	480868	47.987	ng		98
28) bis(2-Chloroethoxy)met...	7.916	93	706471	45.333	ng		99
29) 2,4-Dichlorophenol	8.022	162	497289	47.642	ng		97
30) 1,2,4-Trichlorobenzene	8.110	180	473064	46.083	ng		98
31) Naphthalene	8.192	128	1451547	44.890	ng		100
32) Benzoic acid	7.945	122	384635	55.462	ng		98
33) 4-Chloroaniline	8.239	127	567726	46.813	ng		99
34) Hexachlorobutadiene	8.304	225	325186	45.586	ng		99
35) Caprolactam	8.628	113	167817	50.565	ng		99
36) 4-Chloro-3-methylphenol	8.716	107	477376	47.612	ng		98
37) 2-Methylnaphthalene	8.881	142	935960	43.453	ng		99
38) 1-Methylnaphthalene	8.981	142	918550	43.965	ng		98
40) 1,2,4,5-Tetrachloroben...	9.045	216	491771	45.187	ng		99
41) Hexachlorocyclopentadiene	9.033	237	242390	53.686	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	376991	47.410	ng		96

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143880.D
Acq On : 06 Oct 2025 13:23
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Oct 06 15:38:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

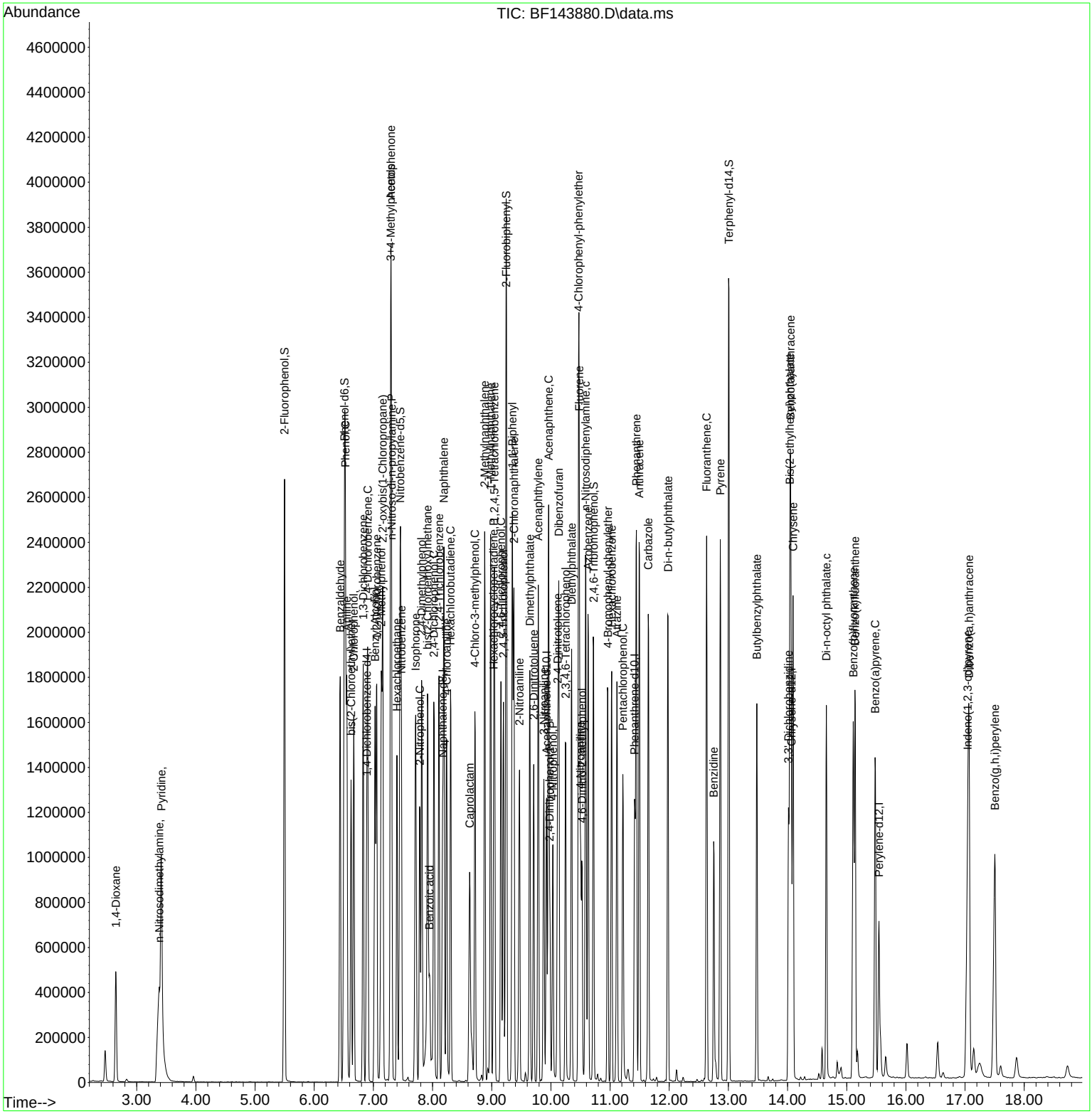
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	395213	47.031	ng		99
46) 1,1'-Biphenyl	9.351	154	1116775	42.837	ng		99
47) 2-Chloronaphthalene	9.375	162	972675	44.748	ng		98
48) 2-Nitroaniline	9.469	65	348179	50.665	ng		96
49) Acenaphthylene	9.786	152	1364193	44.642	ng		100
50) Dimethylphthalate	9.645	163	1147448	45.888	ng		99
51) 2,6-Dinitrotoluene	9.710	165	246567	53.176	ng		99
52) Acenaphthene	9.963	154	883487	44.122	ng		99
53) 3-Nitroaniline	9.880	138	291630	51.366	ng		97
54) 2,4-Dinitrophenol	9.980	184	140496	51.801	ng	#	82
55) Dibenzofuran	10.133	168	1233091	43.625	ng		99
56) 4-Nitrophenol	10.033	139	226765	52.750	ng		96
57) 2,4-Dinitrotoluene	10.116	165	329984	52.304	ng		98
58) Fluorene	10.480	166	882946	41.398	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.251	232	294987	49.591	ng	#	98
60) Diethylphthalate	10.351	149	1053032	45.330	ng		99
61) 4-Chlorophenyl-phenyle...	10.469	204	477108	42.311	ng		98
62) 4-Nitroaniline	10.498	138	282713	51.782	ng		98
63) Azobenzene	10.627	77	1096875	45.178	ng		97
65) 4,6-Dinitro-2-methylph...	10.527	198	188400	55.558	ng		99
66) n-Nitrosodiphenylamine	10.586	169	943991	44.552	ng		99
67) 4-Bromophenyl-phenylether	10.963	248	339818	45.566	ng		97
68) Hexachlorobenzene	11.027	284	407614	47.211	ng		97
69) Atrazine	11.116	200	309799	48.240	ng		99
70) Pentachlorophenol	11.216	266	259359	52.304	ng		98
71) Phenanthrene	11.445	178	1419666	43.395	ng		100
72) Anthracene	11.492	178	1440404	43.583	ng		99
73) Carbazole	11.645	167	1291982	44.139	ng		99
74) Di-n-butylphthalate	11.980	149	1534951	45.246	ng		100
75) Fluoranthene	12.633	202	1478181	43.744	ng		99
77) Benzidine	12.751	184	636126	46.882	ng		99
78) Pyrene	12.863	202	1505326	46.206	ng		99
80) Butylbenzylphthalate	13.480	149	532754	50.352	ng		99
81) Benzo(a)anthracene	14.051	228	1203843	47.075	ng		98
82) 3,3'-Dichlorobenzidine	14.015	252	391334	50.214	ng		98
83) Chrysene	14.092	228	1090275	46.065	ng		100
84) Bis(2-ethylhexyl)phtha...	14.039	149	626818	49.146	ng		99
85) Di-n-octyl phthalate	14.657	149	1082833	51.691	ng		99
87) Indeno(1,2,3-cd)pyrene	17.045	276	1316167	50.373	ng		100
88) Benzo(b)fluoranthene	15.110	252	1167220	47.652	ng		98
89) Benzo(k)fluoranthene	15.139	252	983488	43.392	ng		98
90) Benzo(a)pyrene	15.480	252	997382	46.960	ng		97
91) Dibenzo(a,h)anthracene	17.068	278	1039281	49.457	ng		97
92) Benzo(g,h,i)perylene	17.503	276	1056021	50.253	ng		100

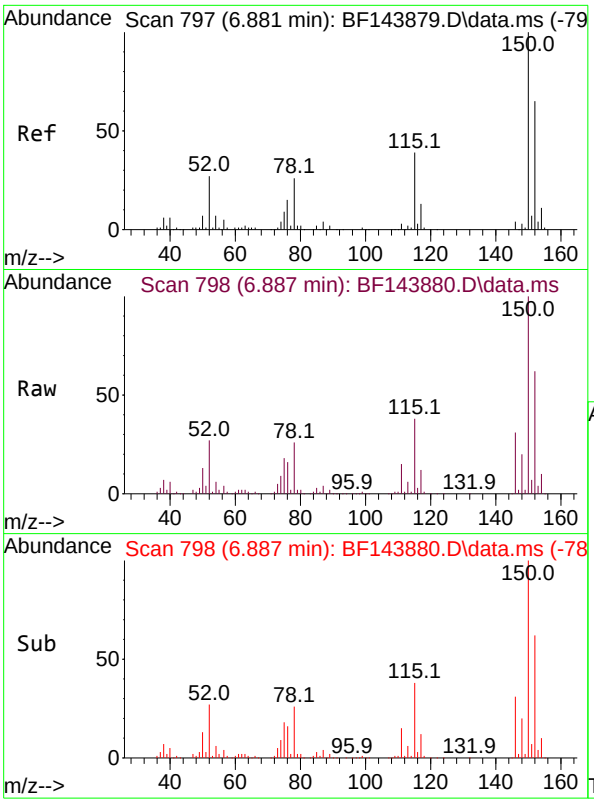
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143880.D
Acq On : 06 Oct 2025 13:23
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Oct 06 15:38:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



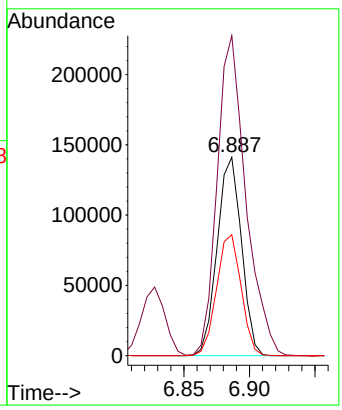


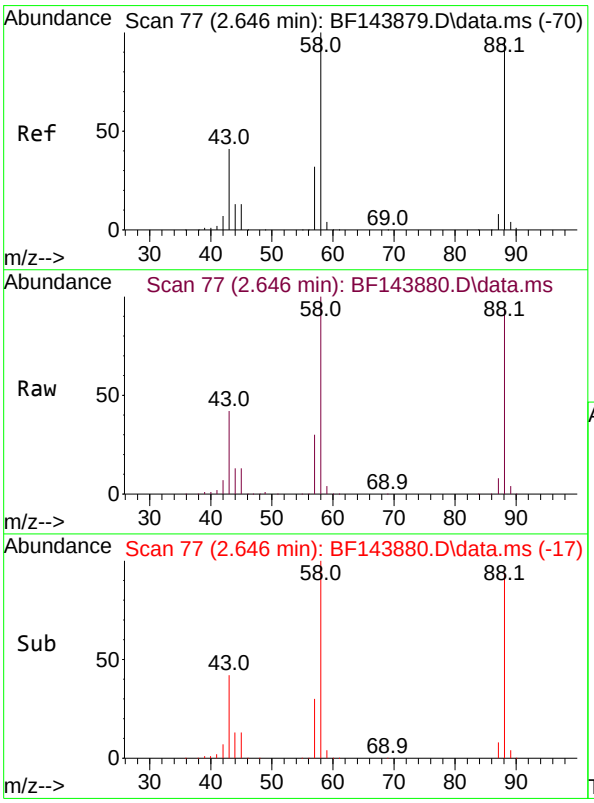
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 79
Delta R.T. 0.001 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 182011

Ion	Ratio	Lower	Upper
152	100		
150	161.3	124.4	186.6
115	60.9	48.1	72.1

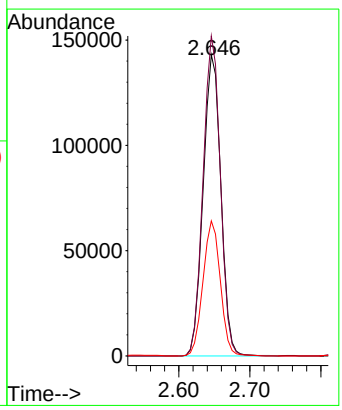


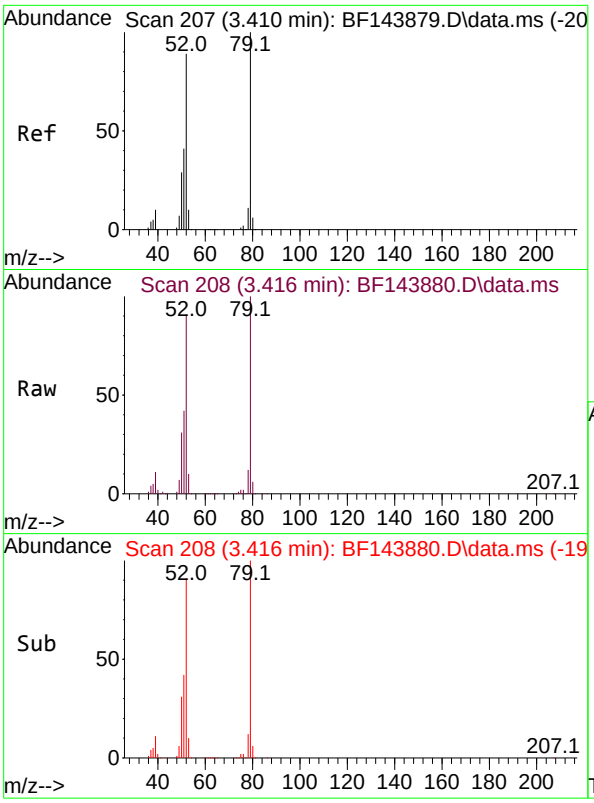


#2
1,4-Dioxane
Concen: 46.709 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion: 88 Resp: 247738

Ion	Ratio	Lower	Upper
88	100		
58	103.6	83.0	124.6
43	43.8	33.9	50.9



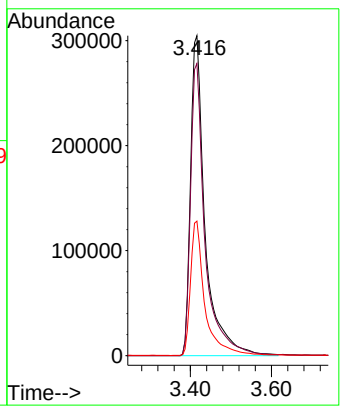


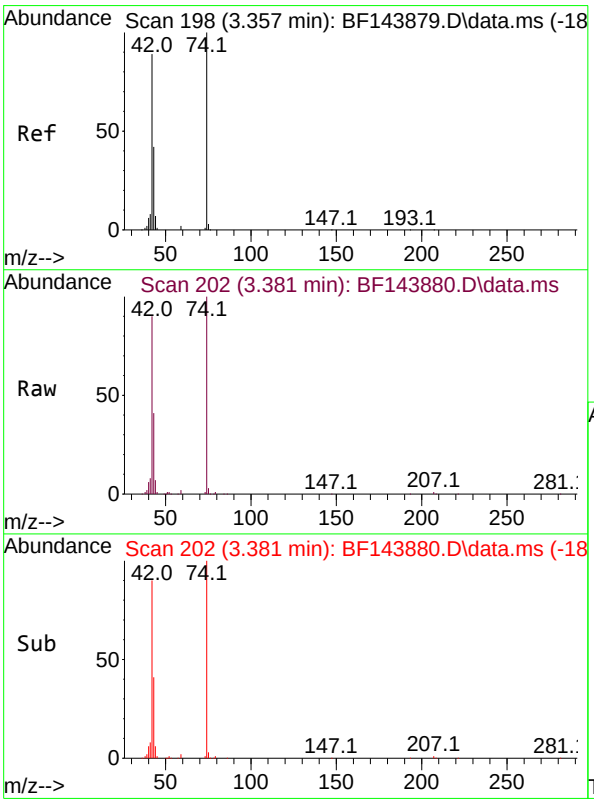
#3
Pyridine
Concen: 49.164 ng
RT: 3.416 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 759117

Ion	Ratio	Lower	Upper
79	100		
52	91.3	71.5	107.3
51	42.0	32.9	49.3

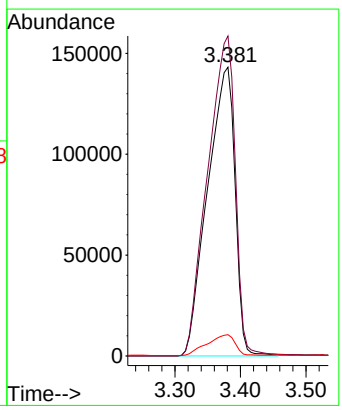


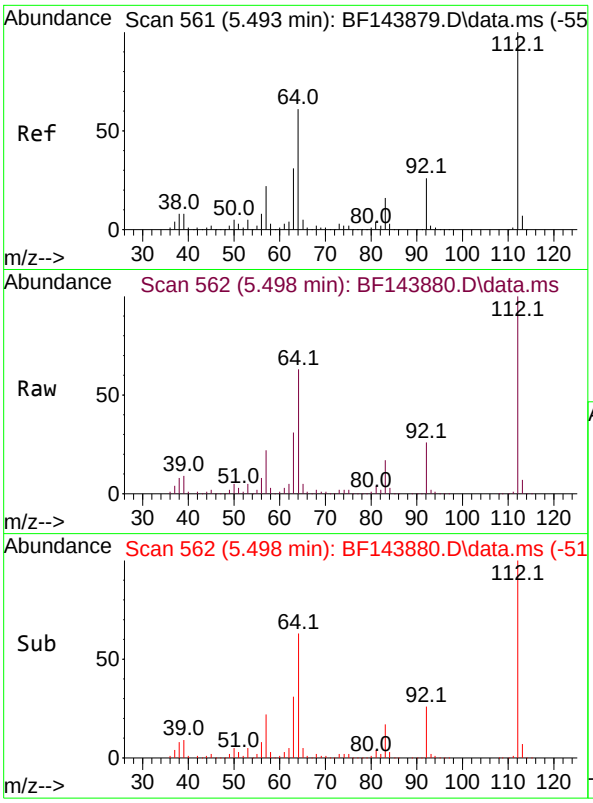


#4
n-Nitrosodimethylamine
Concen: 51.355 ng
RT: 3.381 min Scan# 202
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion: 42 Resp: 417134

Ion	Ratio	Lower	Upper
42	100		
74	110.8	90.0	135.0
44	7.3	6.2	9.2



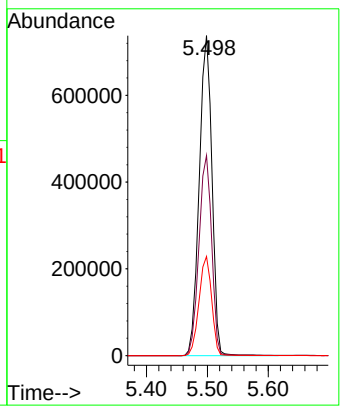


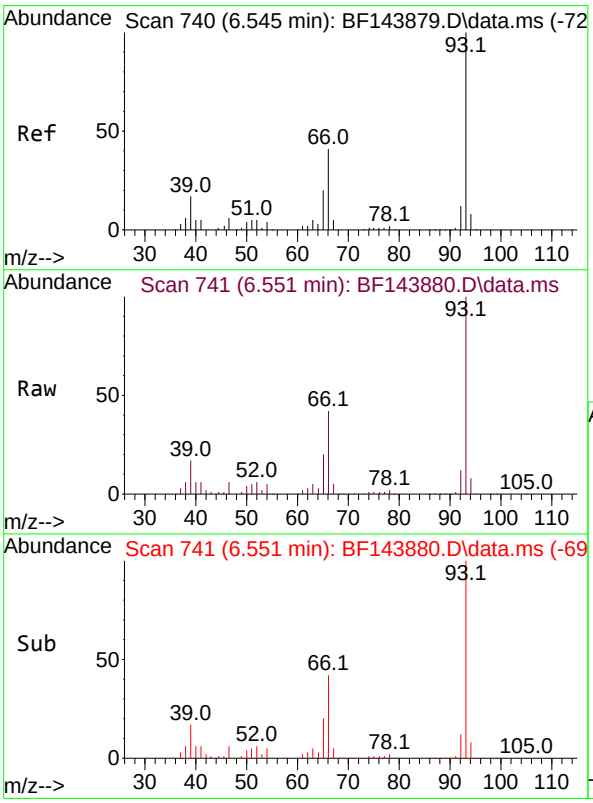
#5
2-Fluorophenol
Concen: 93.138 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1067519

Ion	Ratio	Lower	Upper
112	100		
64	62.5	49.1	73.7
63	31.0	24.5	36.7

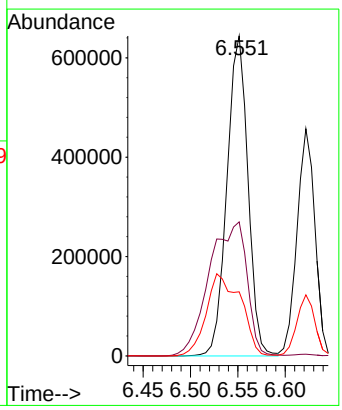


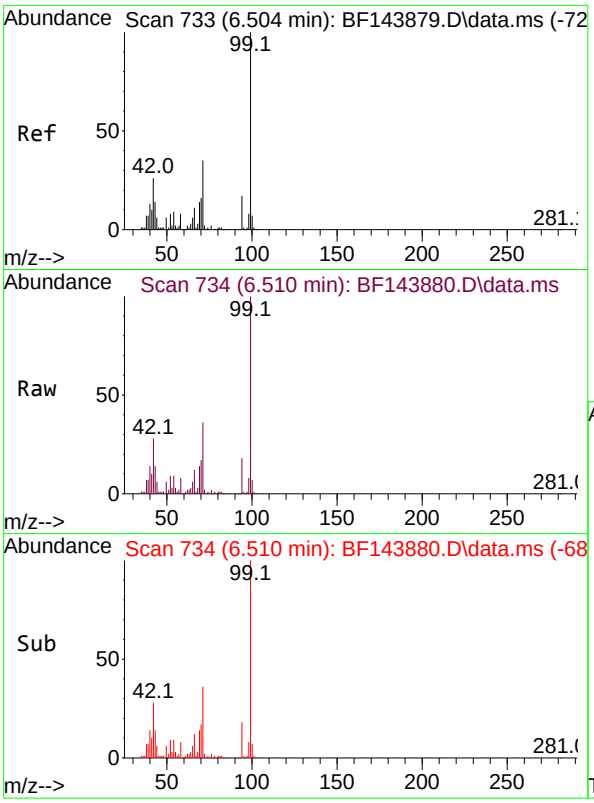


#6
Aniline
Concen: 48.562 ng
RT: 6.551 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion: 93 Resp: 994174

Ion	Ratio	Lower	Upper
93	100		
66	41.9	33.0	49.6
65	20.0	15.8	23.8



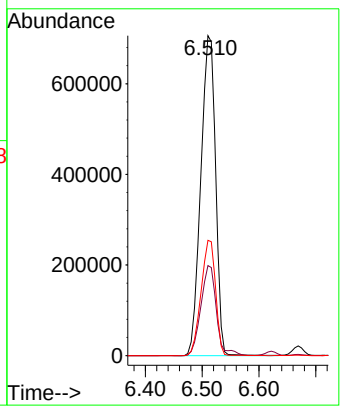


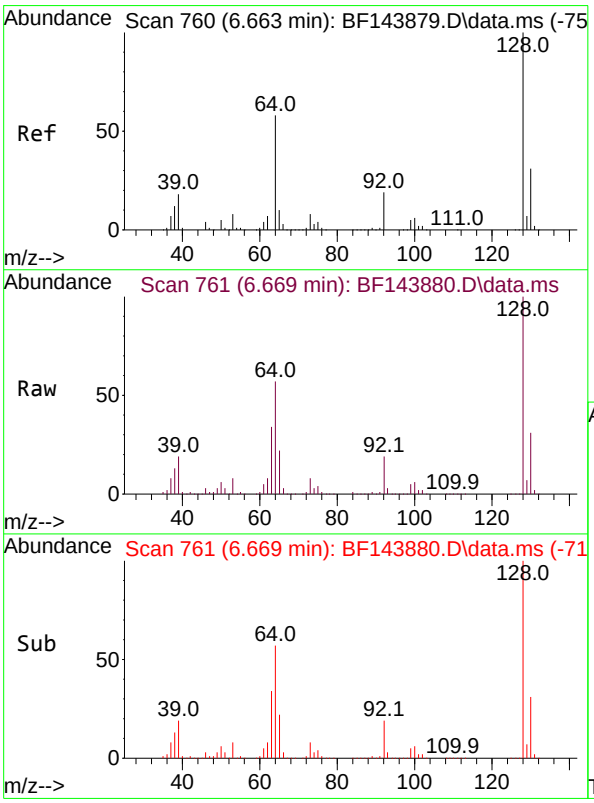
#7
Phenol-d6
Concen: 93.519 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 1277645

Ion	Ratio	Lower	Upper
99	100		
42	28.1	21.0	31.4
71	36.0	27.8	41.8

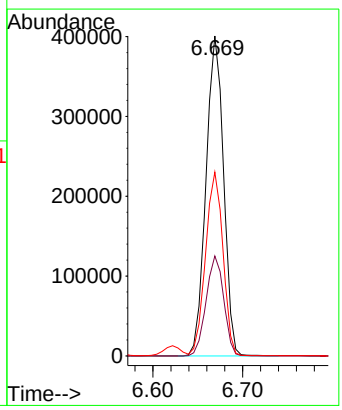


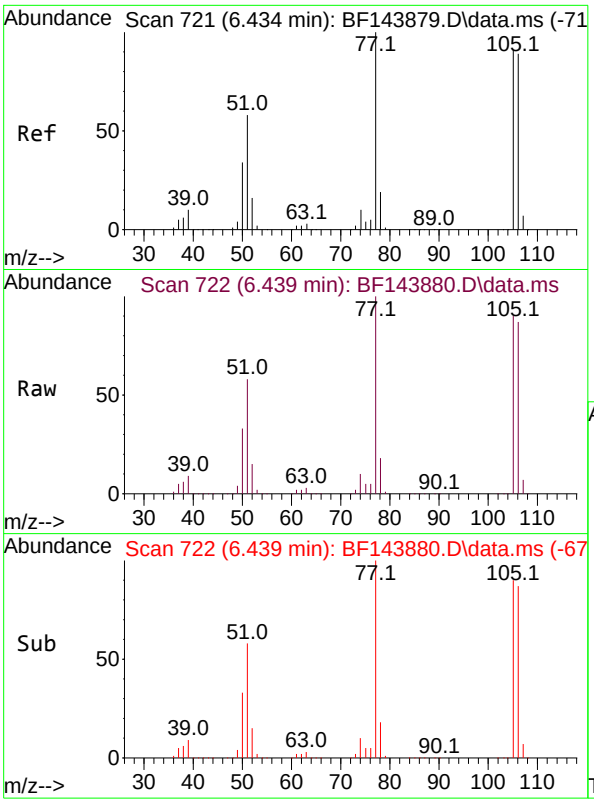


#8
2-Chlorophenol
Concen: 48.757 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:128 Resp: 546266

Ion	Ratio	Lower	Upper
128	100		
130	31.2	10.7	50.7
64	57.4	39.0	79.0



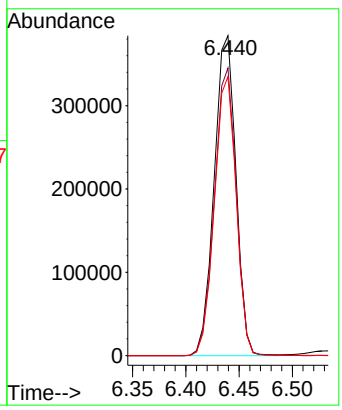


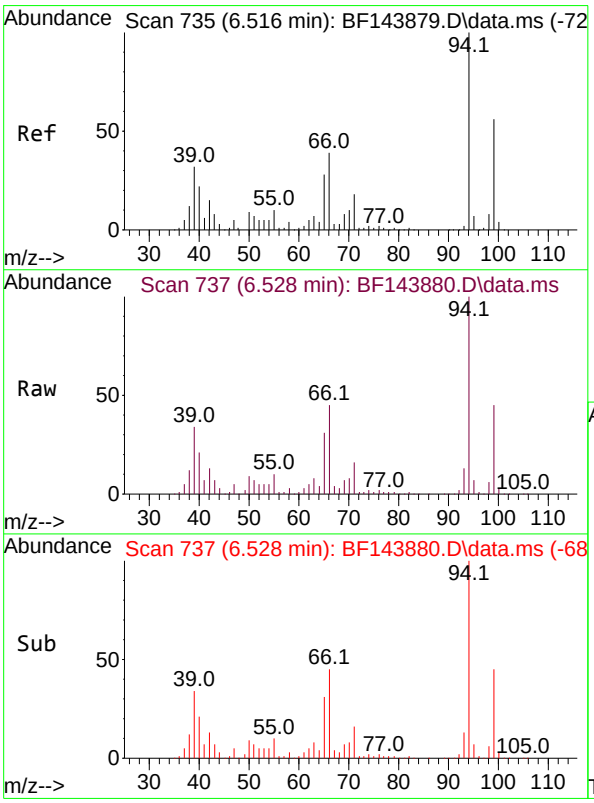
#9
Benzaldehyde
Concen: 51.738 ng
RT: 6.439 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 545259

Ion	Ratio	Lower	Upper
77	100		
105	89.9	70.9	110.9
106	87.2	68.9	108.9

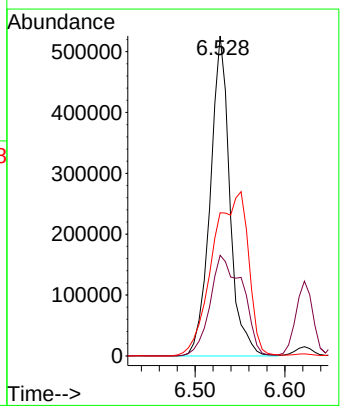


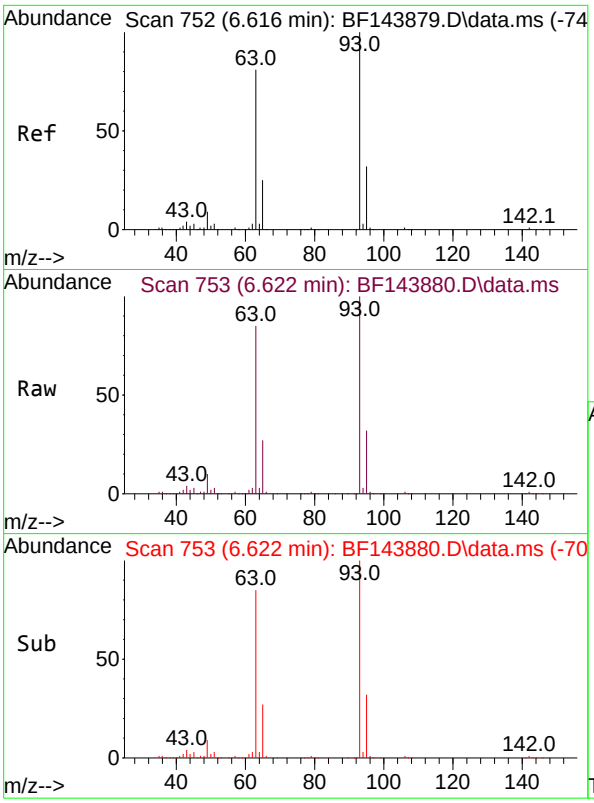


#10
Phenol
Concen: 48.932 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion: 94 Resp: 799210

Ion	Ratio	Lower	Upper
94	100		
65	31.4	8.5	48.5
66	44.7	19.9	59.9



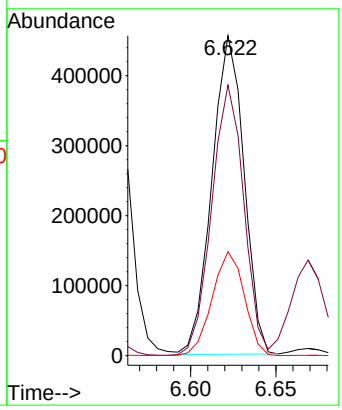


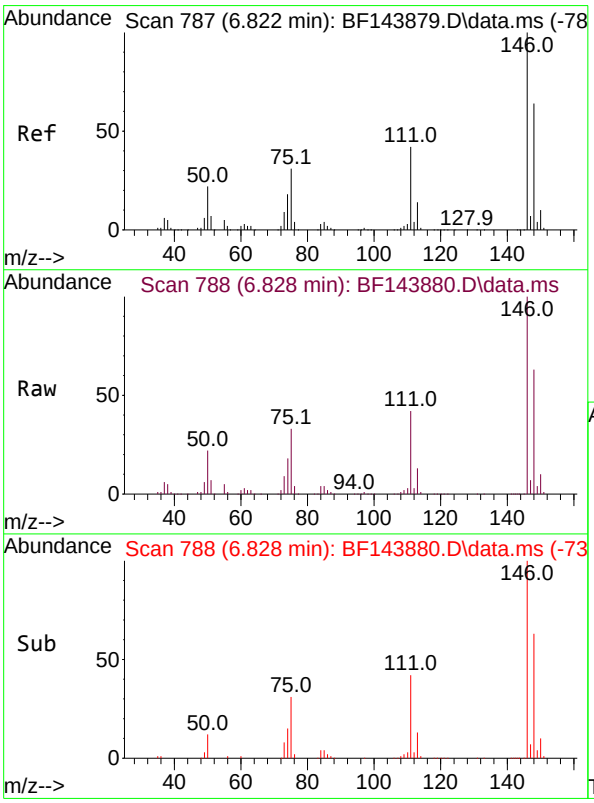
#11
bis(2-Chloroethyl)ether
Concen: 47.169 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 595127

Ion	Ratio	Lower	Upper
93	100		
63	84.5	60.9	100.9
95	32.5	11.5	51.5

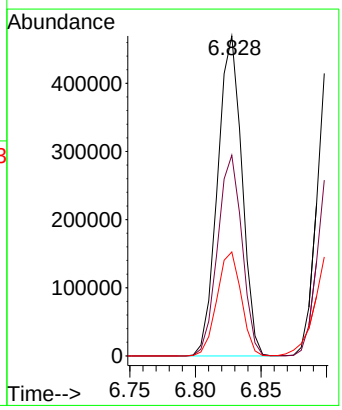


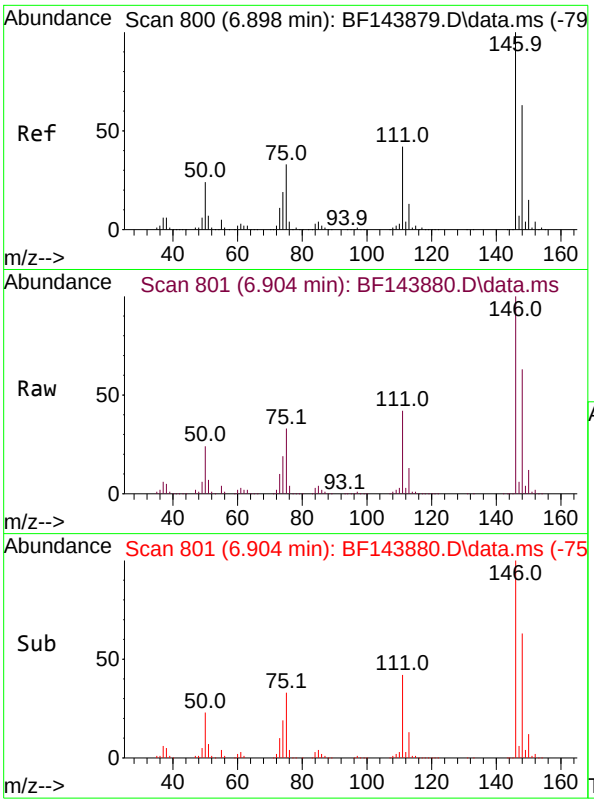


#12
1,3-Dichlorobenzene
Concen: 45.318 ng
RT: 6.828 min Scan# 788
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:146 Resp: 607764

Ion	Ratio	Lower	Upper
146	100		
148	62.7	51.0	76.4
75	32.5	24.9	37.3



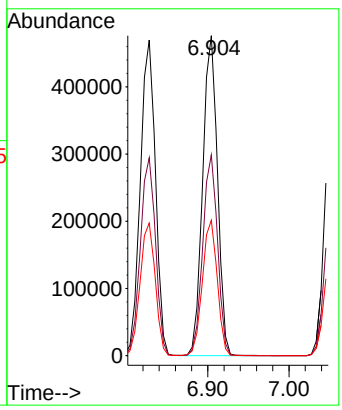


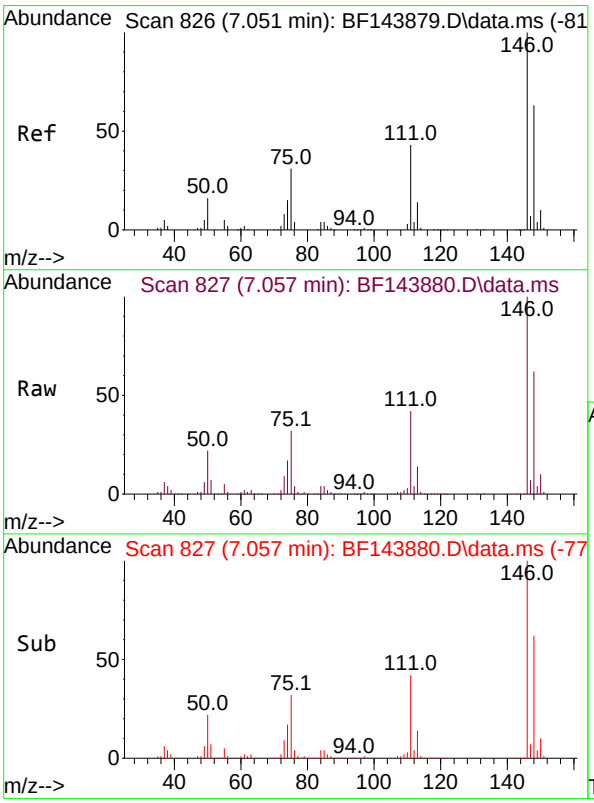
#13
1,4-Dichlorobenzene
Concen: 45.612 ng
RT: 6.904 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 603407

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.5	75.7
111	42.3	33.4	50.0

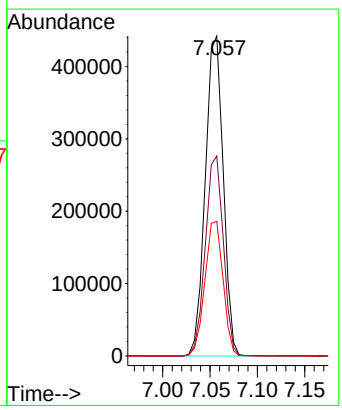


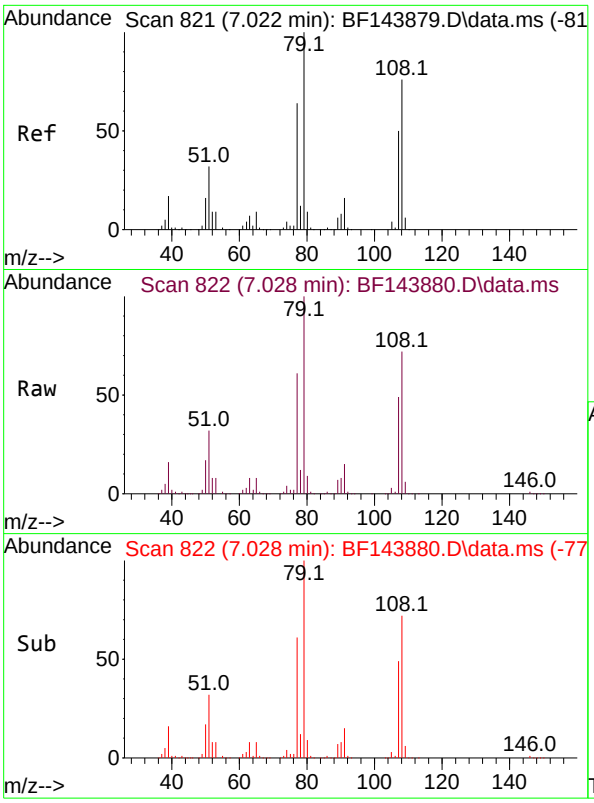


#14
1,2-Dichlorobenzene
Concen: 46.072 ng
RT: 7.057 min Scan# 827
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:146 Resp: 583790

Ion	Ratio	Lower	Upper
146	100		
148	62.5	50.6	75.8
111	42.0	34.6	51.8



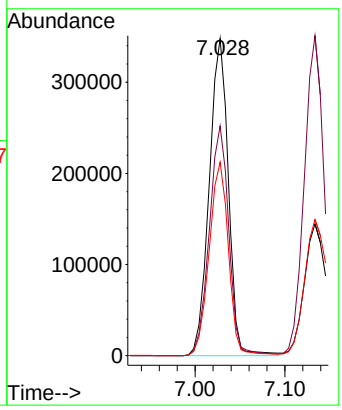


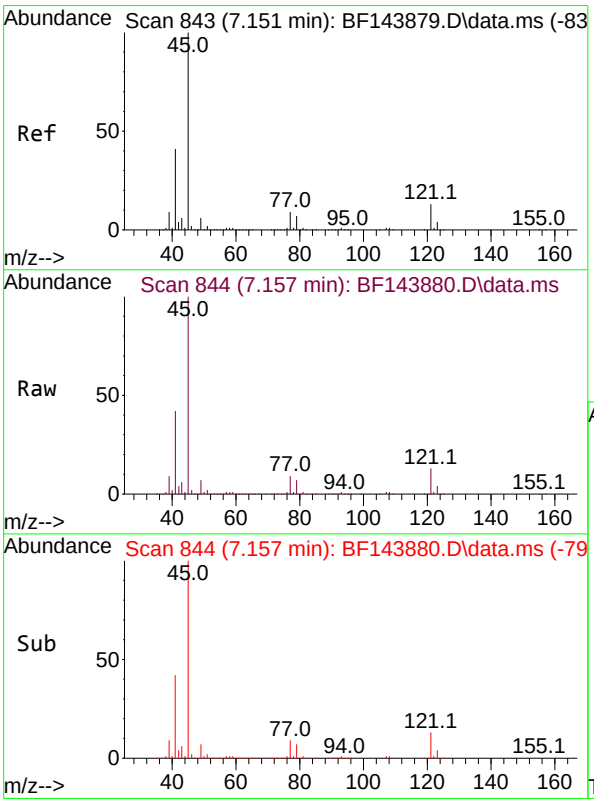
#15
Benzyl Alcohol
Concen: 50.402 ng
RT: 7.028 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 515929

Ion	Ratio	Lower	Upper
79	100		
108	72.4	60.8	91.2
77	61.0	51.0	76.6

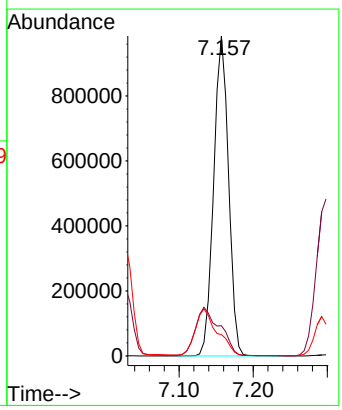


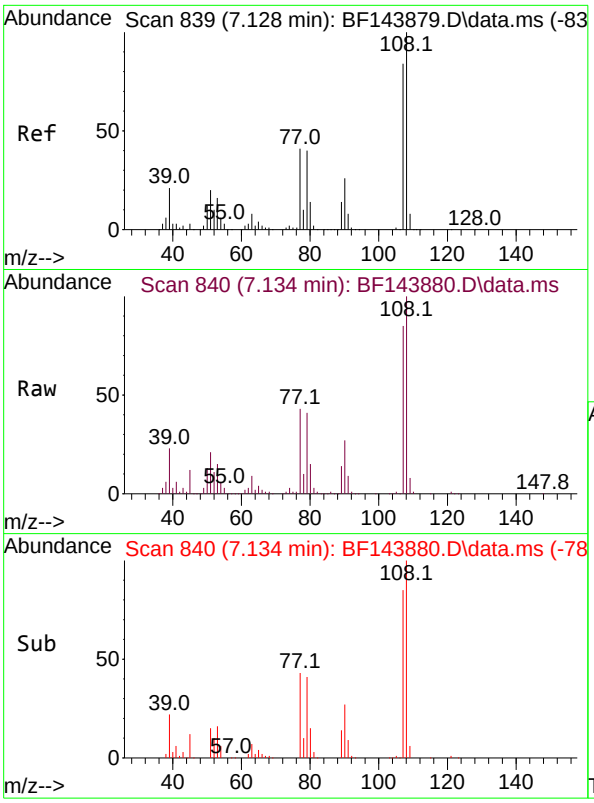


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.652 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion: 45 Resp: 1368524

Ion	Ratio	Lower	Upper
45	100		
77	9.4	0.0	29.0
79	6.7	0.0	26.8



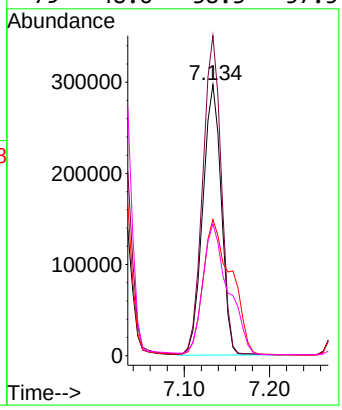


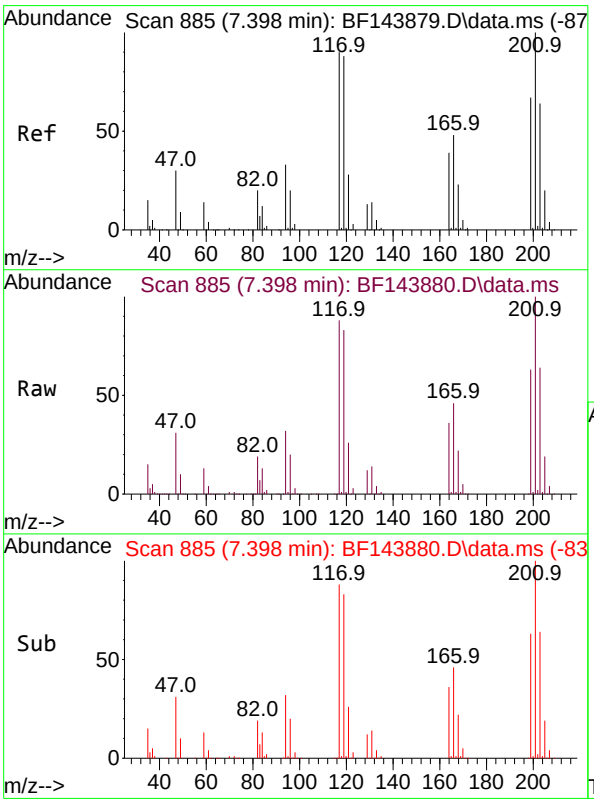
#17
2-Methylphenol
Concen: 48.397 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 448120

Ion	Ratio	Lower	Upper
107	100		
108	118.1	94.7	142.1
77	50.2	38.8	58.2
79	48.6	38.3	57.5

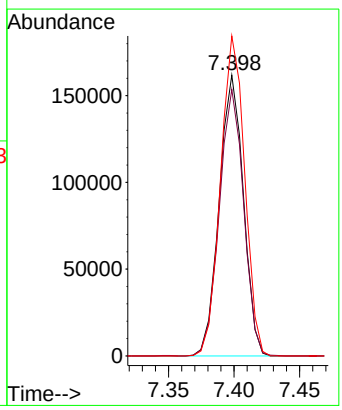


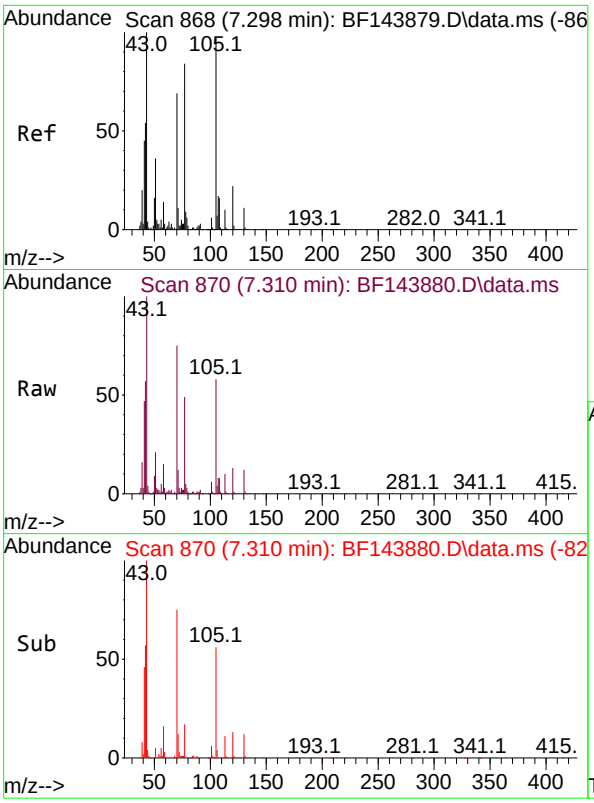


#18
Hexachloroethane
Concen: 47.017 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:117 Resp: 207432

Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.8	116.8
201	114.0	88.5	132.7



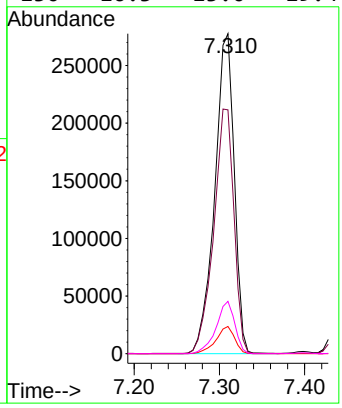


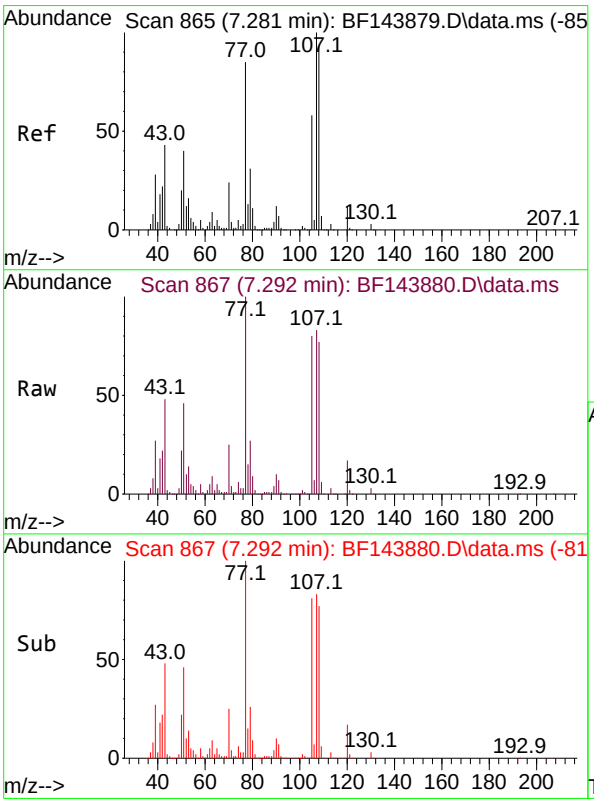
#19
n-Nitroso-di-n-propylamine
Concen: 47.198 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 441373

Ion	Ratio	Lower	Upper
70	100		
42	76.2	62.8	94.2
101	8.5	6.7	10.1
130	16.3	13.0	19.4

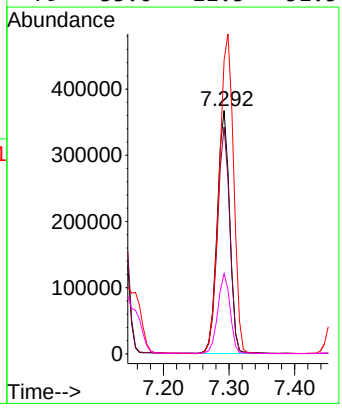


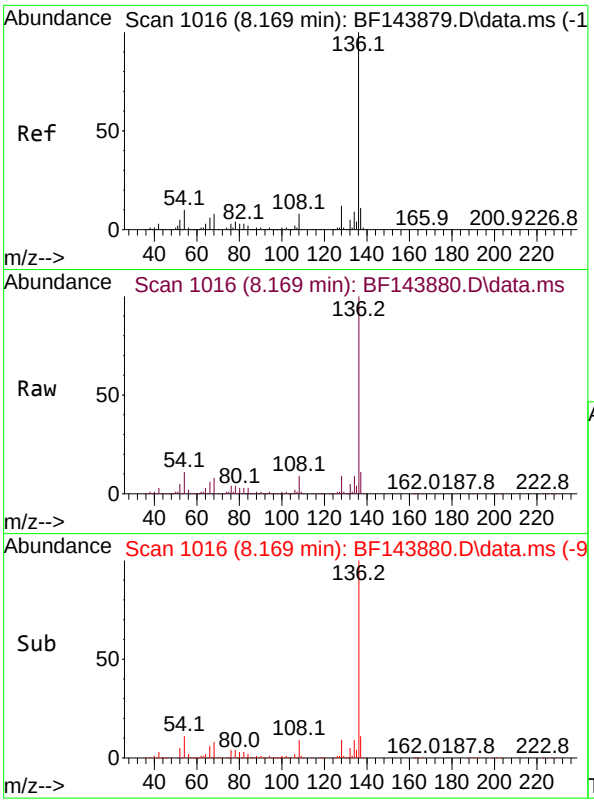


#20
3+4-Methylphenols
Concen: 45.276 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:107 Resp: 485879

Ion	Ratio	Lower	Upper
107	100		
108	93.2	73.0	113.0
77	120.9	64.6	104.6#
79	33.0	11.5	51.5



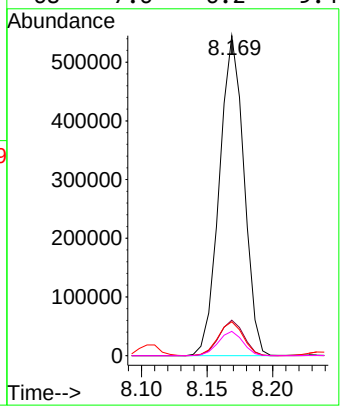


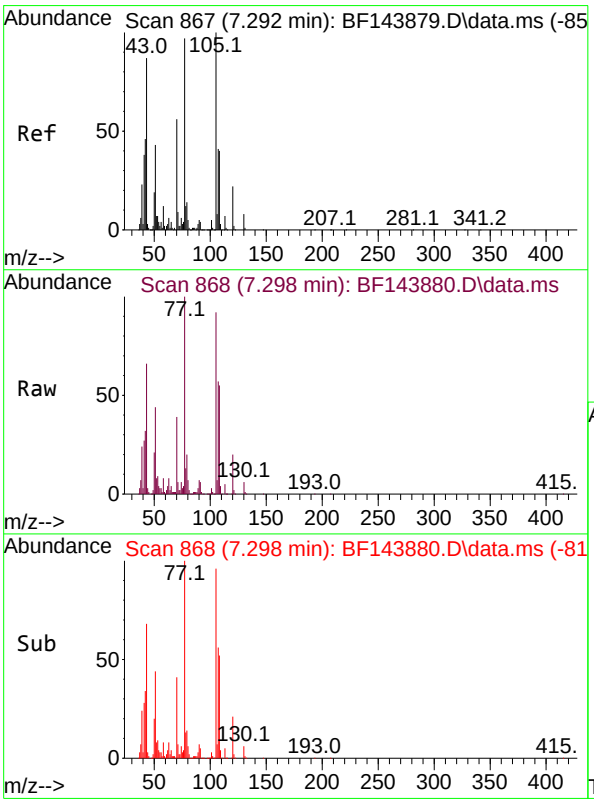
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 710843

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	10.6	8.2	12.4
68	7.6	6.2	9.4

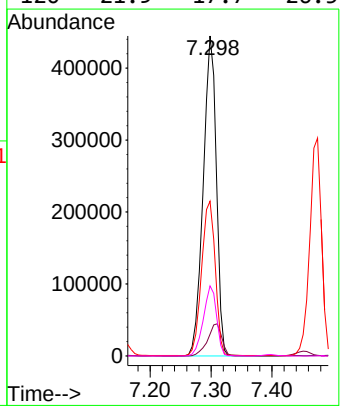


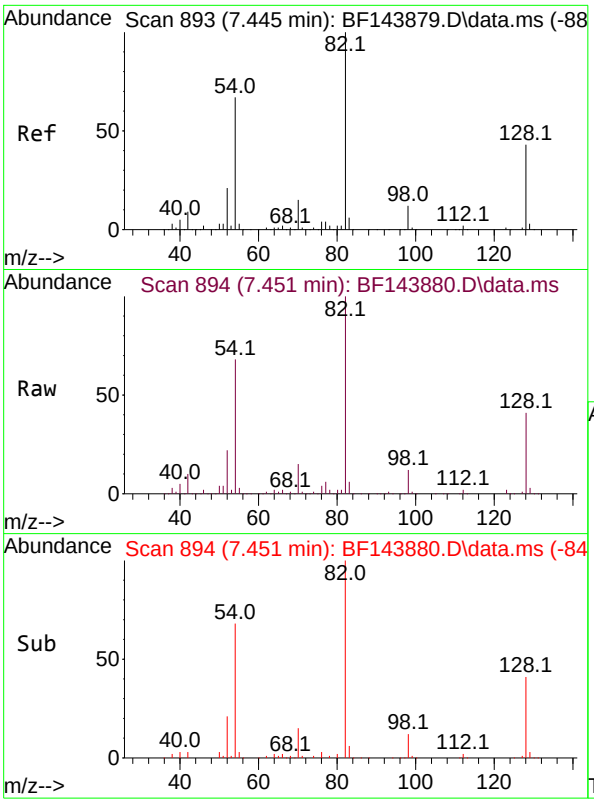


#22
Acetophenone
Concen: 44.262 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:105 Resp: 665276

Ion	Ratio	Lower	Upper
105	100		
71	6.8	7.4	11.0#
51	48.3	34.2	51.4
120	21.9	17.7	26.5



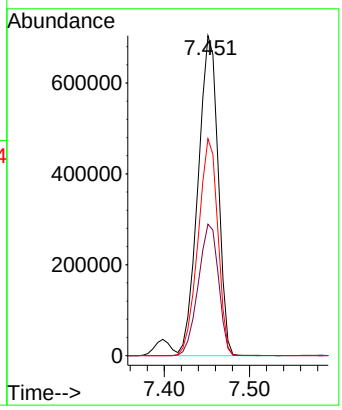


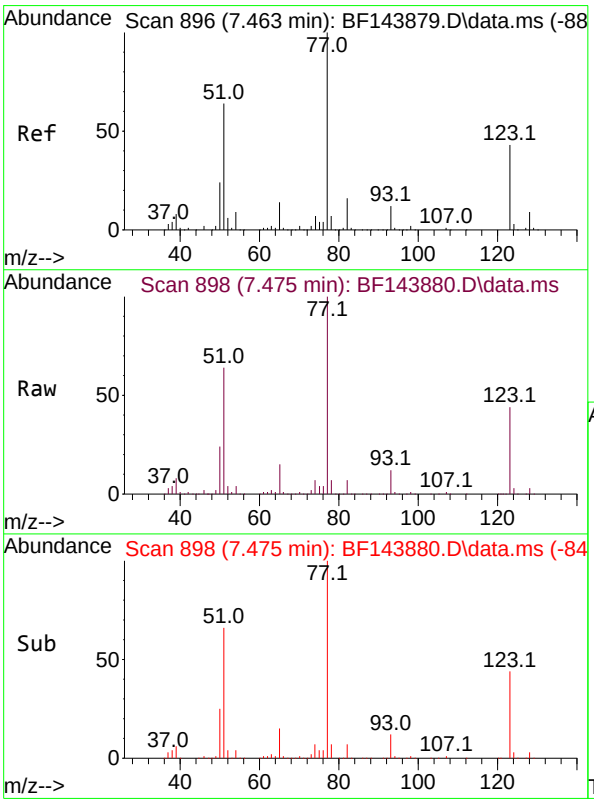
#23
Nitrobenzene-d5
Concen: 98.174 ng
RT: 7.451 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1148649

Ion	Ratio	Lower	Upper
82	100		
128	41.1	34.0	51.0
54	67.8	53.2	79.8

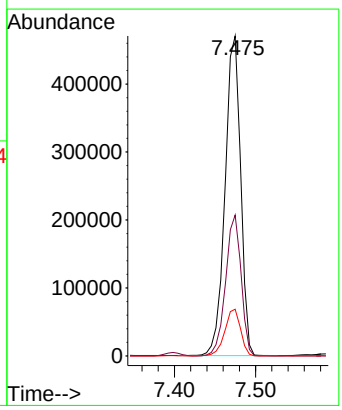


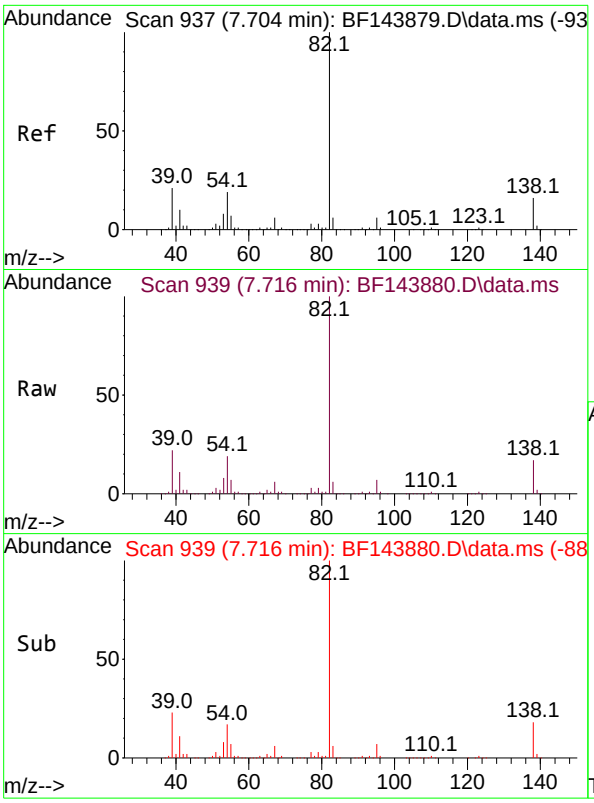


#24
Nitrobenzene
Concen: 48.155 ng
RT: 7.475 min Scan# 898
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion: 77 Resp: 625692

Ion	Ratio	Lower	Upper
77	100		
123	44.0	34.2	51.4
65	14.6	11.0	16.6



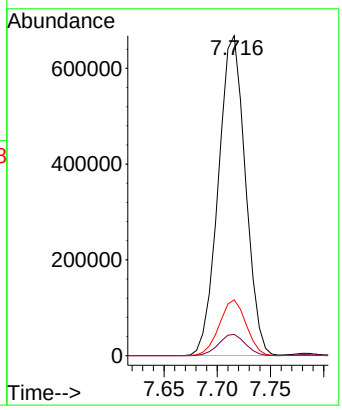


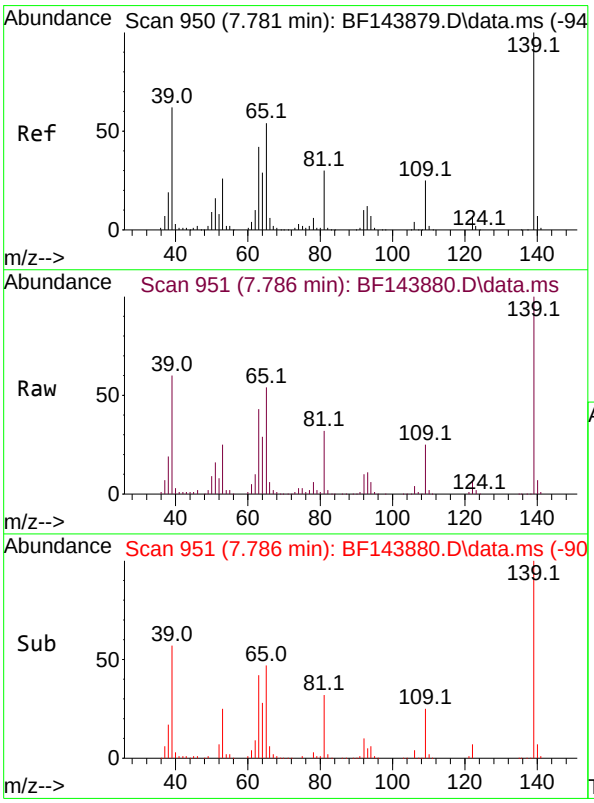
#25
Isophorone
Concen: 47.877 ng
RT: 7.716 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1181135

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.1	7.7
138	17.4	12.9	19.3

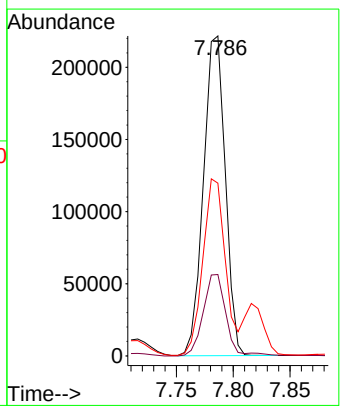


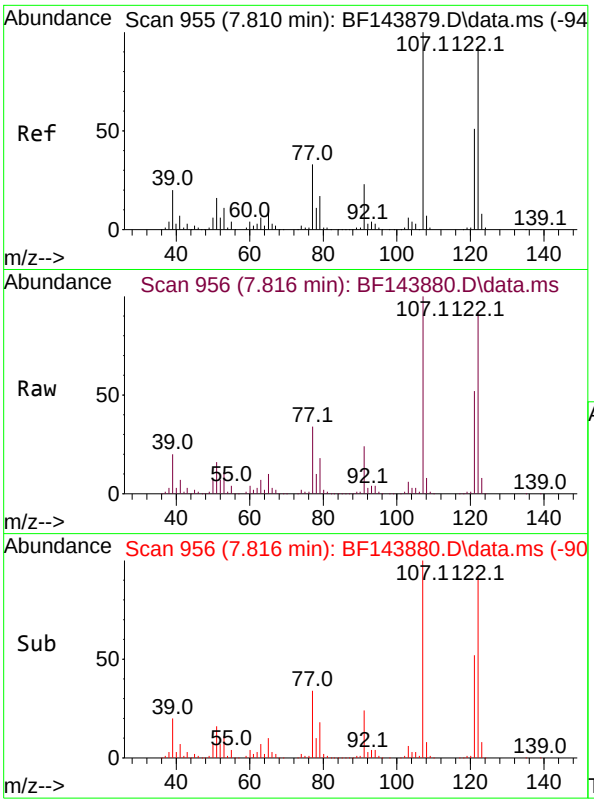


#26
2-Nitrophenol
Concen: 53.208 ng
RT: 7.786 min Scan# 951
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:139 Resp: 296399

Ion	Ratio	Lower	Upper
139	100		
109	25.5	19.8	29.6
65	54.0	42.9	64.3



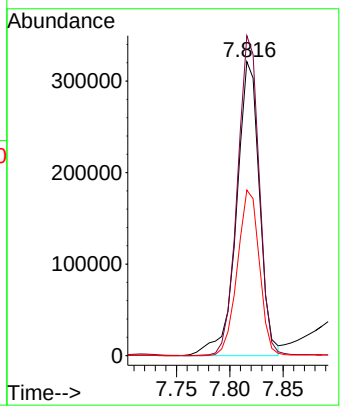


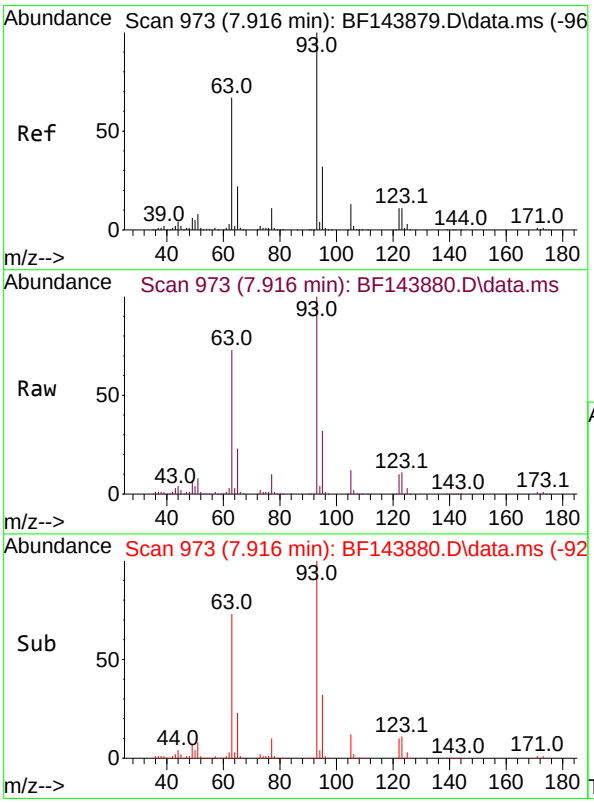
#27
2,4-Dimethylphenol
Concen: 47.987 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 480868

Ion	Ratio	Lower	Upper
122	100		
107	108.8	86.1	129.1
121	56.3	43.8	65.6

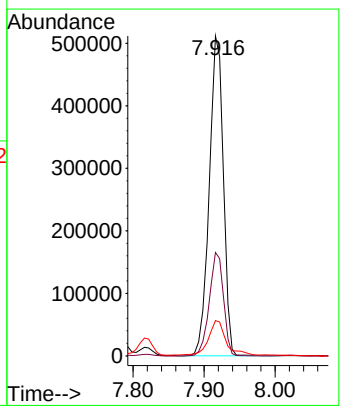


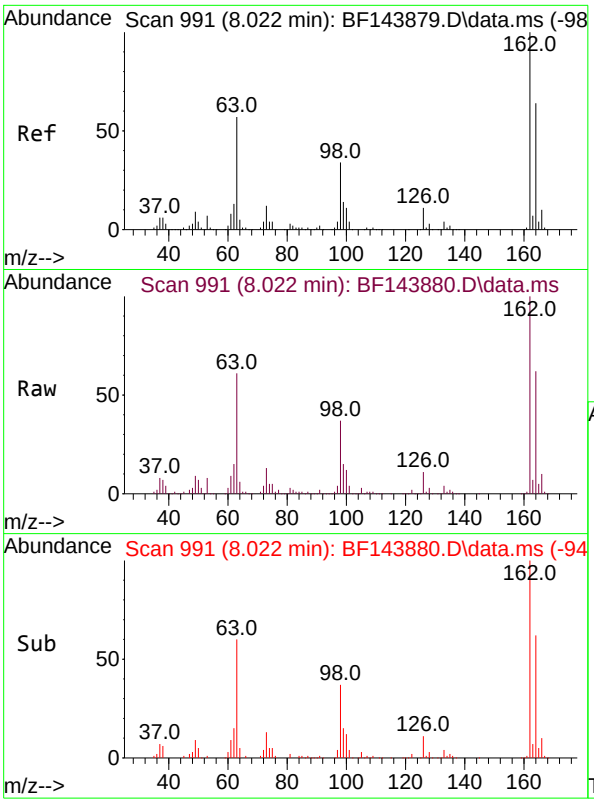


#28
bis(2-Chloroethoxy)methane
Concen: 45.333 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion: 93 Resp: 706471

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.9	38.9
123	11.0	9.4	14.0



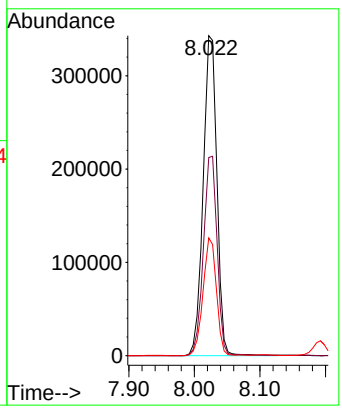


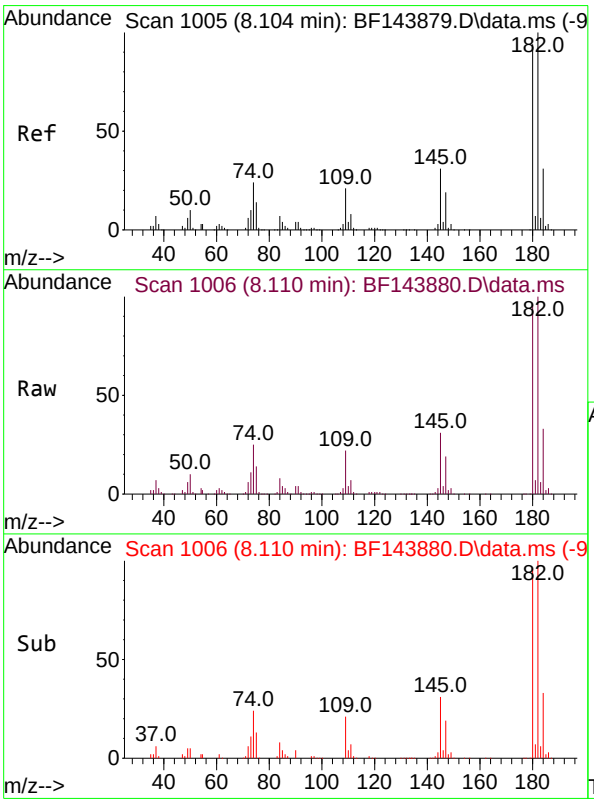
#29
2,4-Dichlorophenol
Concen: 47.642 ng
RT: 8.022 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 497289

Ion	Ratio	Lower	Upper
162	100		
164	61.9	43.9	83.9
98	36.8	14.4	54.4

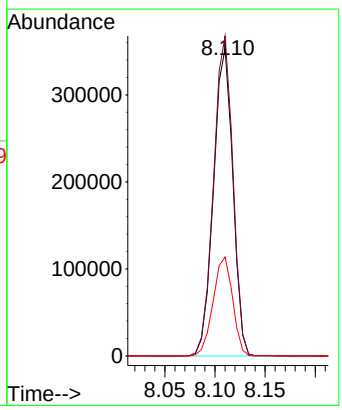


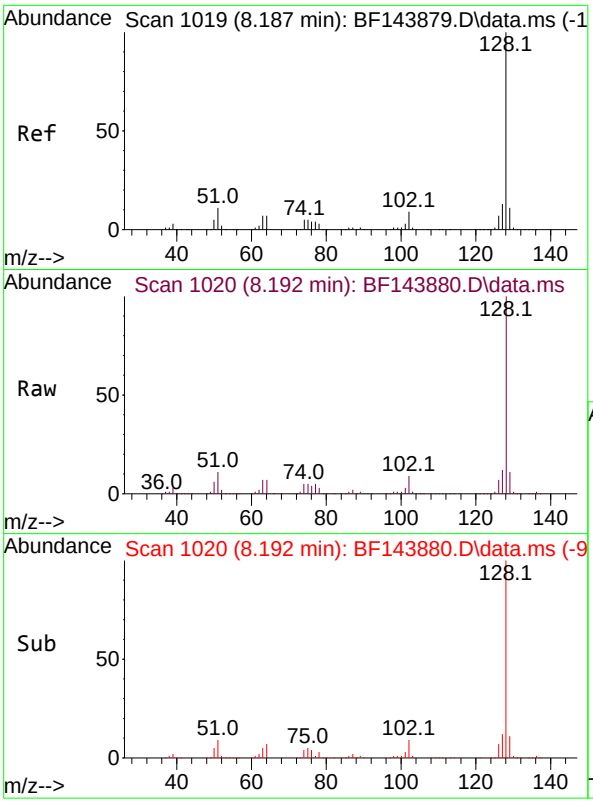


#30
1,2,4-Trichlorobenzene
Concen: 46.083 ng
RT: 8.110 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:180 Resp: 473064

Ion	Ratio	Lower	Upper
180	100		
182	104.1	85.4	128.0
145	32.2	26.3	39.5



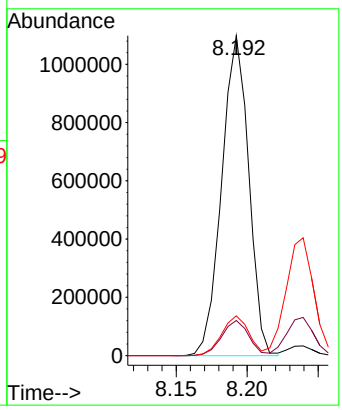


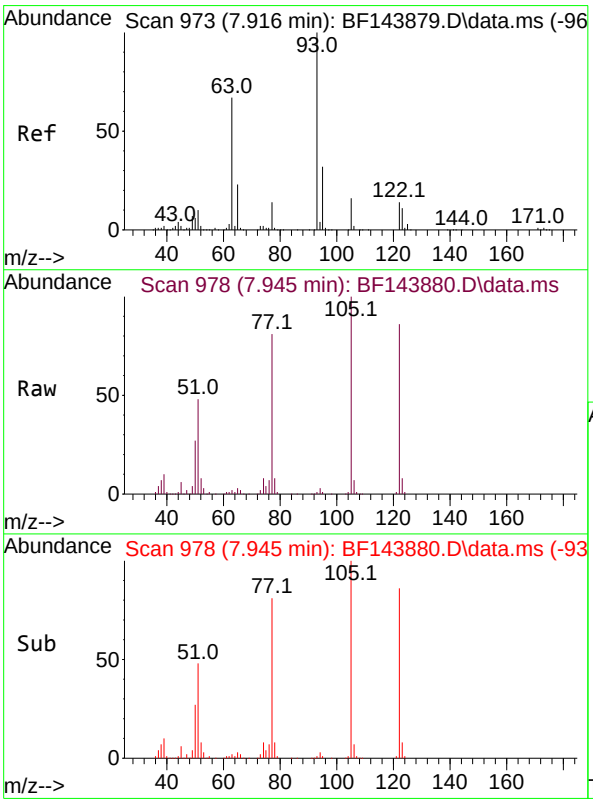
#31
Naphthalene
Concen: 44.890 ng
RT: 8.192 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 1451547

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	12.4	10.0	15.0

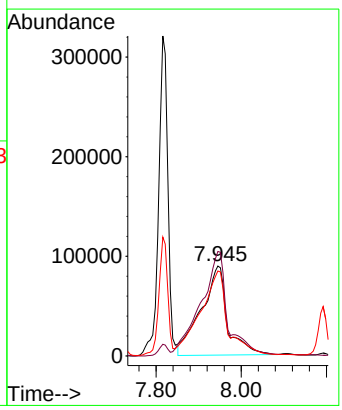


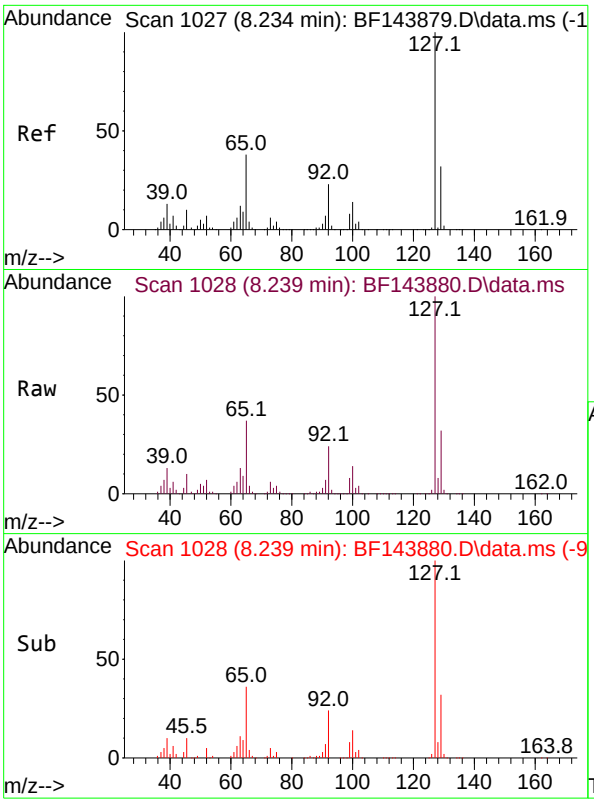


#32
Benzoic acid
Concen: 55.462 ng
RT: 7.945 min Scan# 978
Delta R.T. -0.018 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:122 Resp: 384635

Ion	Ratio	Lower	Upper
122	100		
105	116.3	93.5	133.5
77	94.5	76.3	116.3



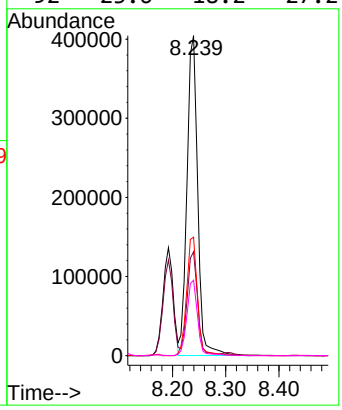


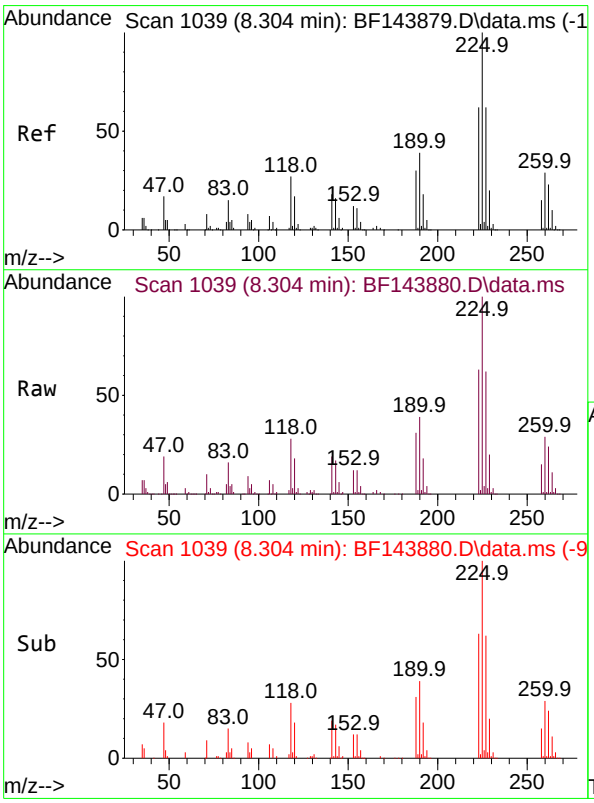
#33
4-Chloroaniline
Concen: 46.813 ng
RT: 8.239 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 567726

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.8	38.8
65	37.0	30.0	45.0
92	23.6	18.2	27.2

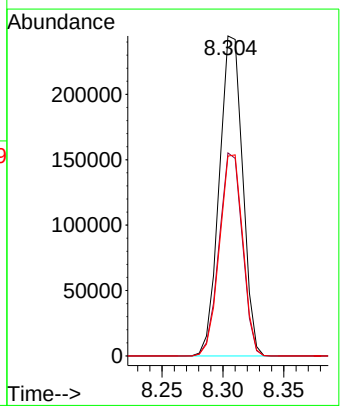


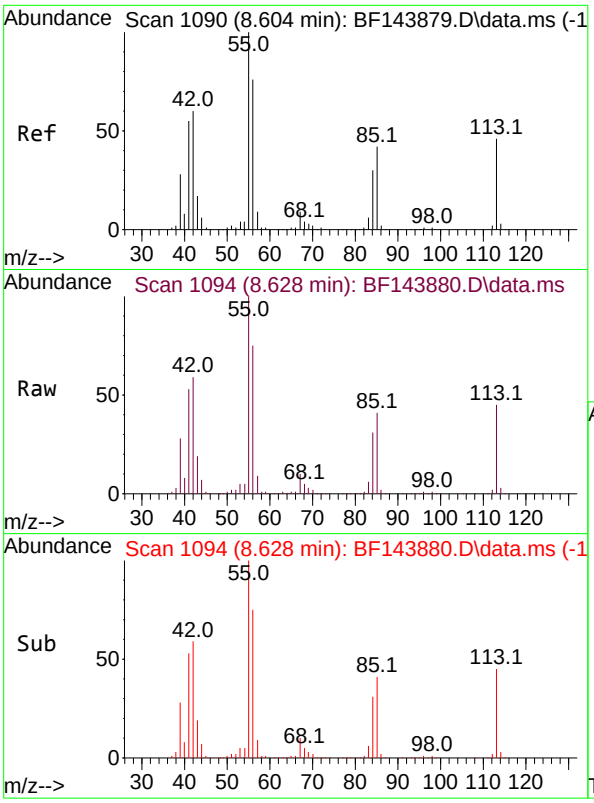


#34
Hexachlorobutadiene
Concen: 45.586 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:225 Resp: 325186

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.4	74.2
227	62.4	49.7	74.5



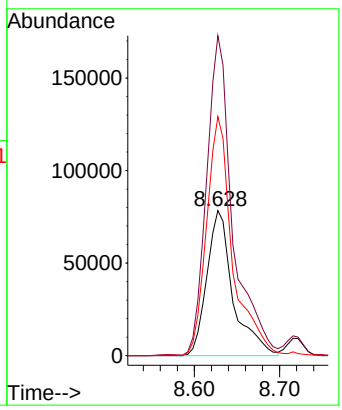


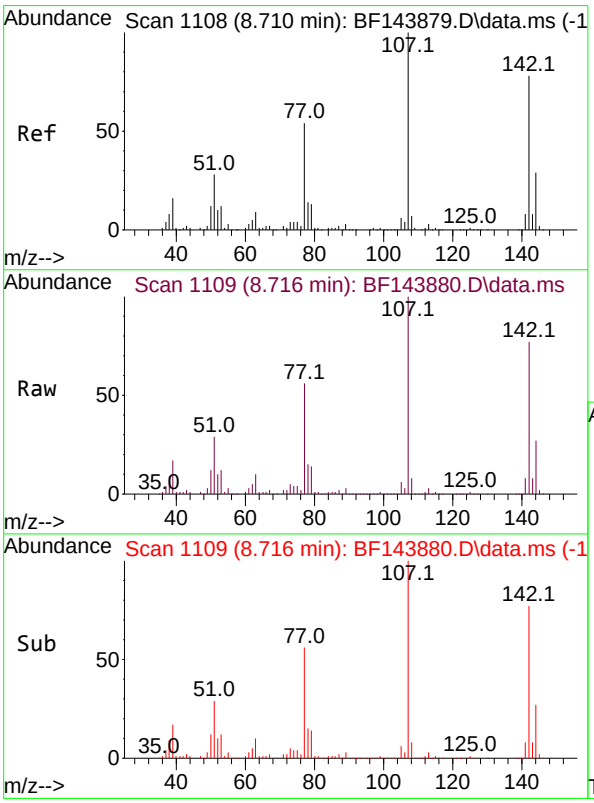
#35
Caprolactam
Concen: 50.565 ng
RT: 8.628 min Scan# 10
Delta R.T. -0.018 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 167817

Ion	Ratio	Lower	Upper
113	100		
55	220.6	199.6	239.6
56	164.8	146.0	186.0

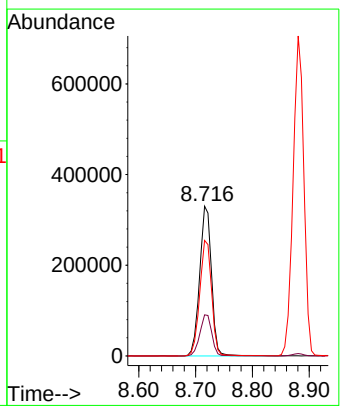


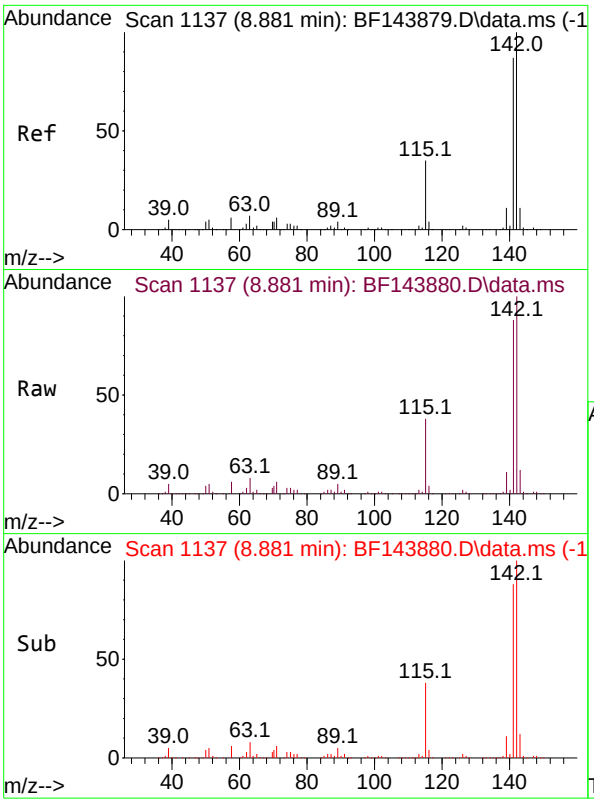


#36
4-Chloro-3-methylphenol
Concen: 47.612 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:107 Resp: 477376

Ion	Ratio	Lower	Upper
107	100		
144	27.5	23.1	34.7
142	77.1	62.6	94.0



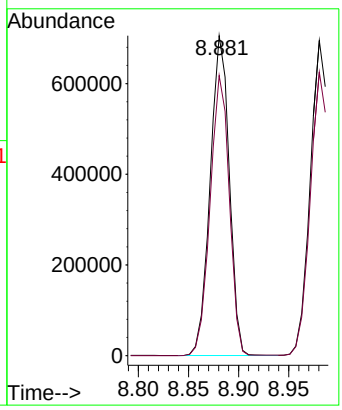


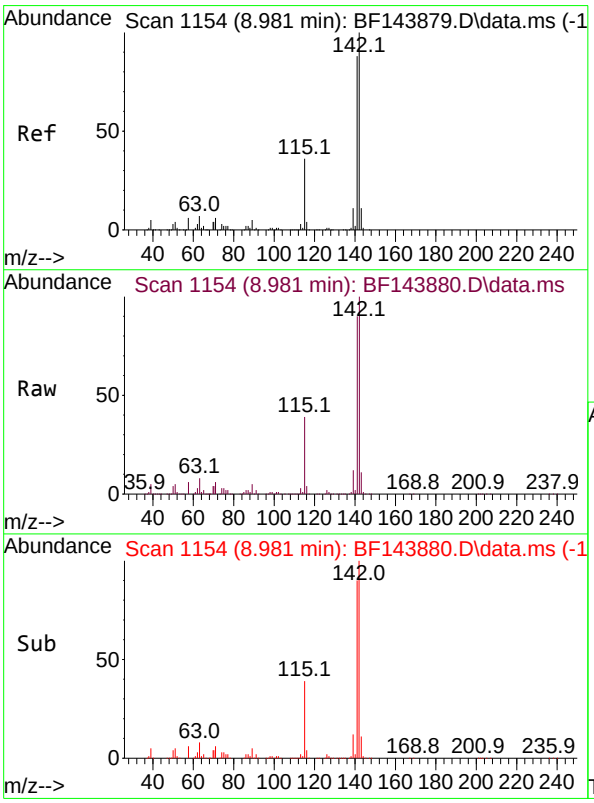
#37
2-Methylnaphthalene
Concen: 43.453 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 935960

Ion	Ratio	Lower	Upper
142	100		
141	87.5	69.2	103.8

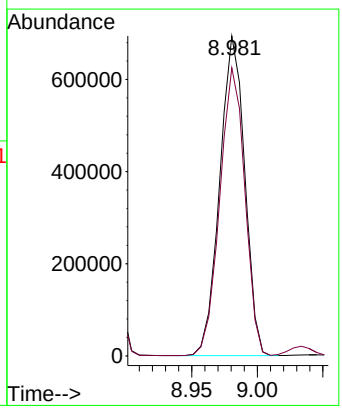


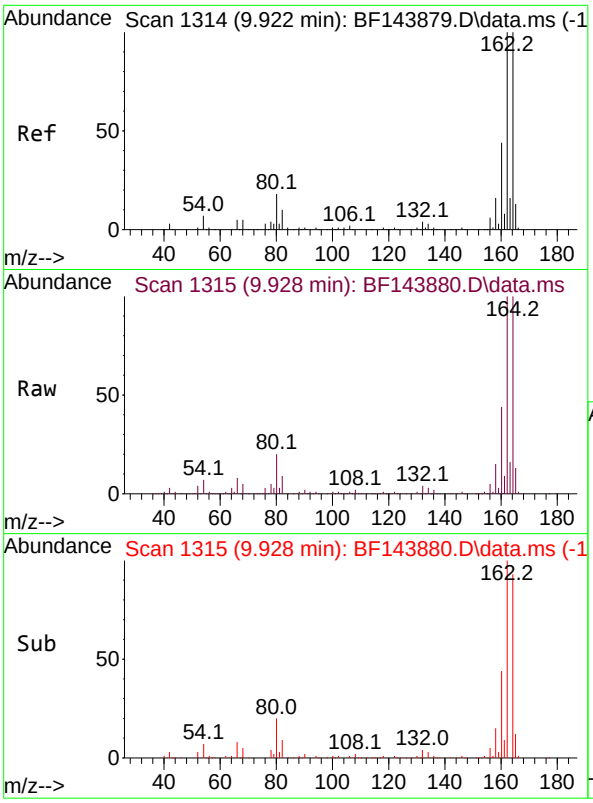


#38
1-Methylnaphthalene
Concen: 43.965 ng
RT: 8.981 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:142 Resp: 918550

Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.8	106.2



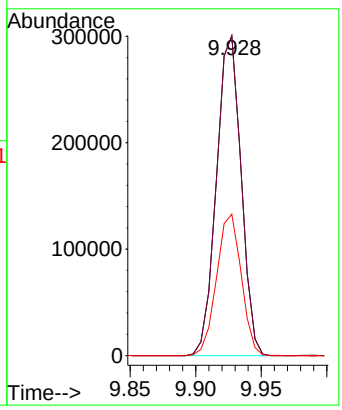


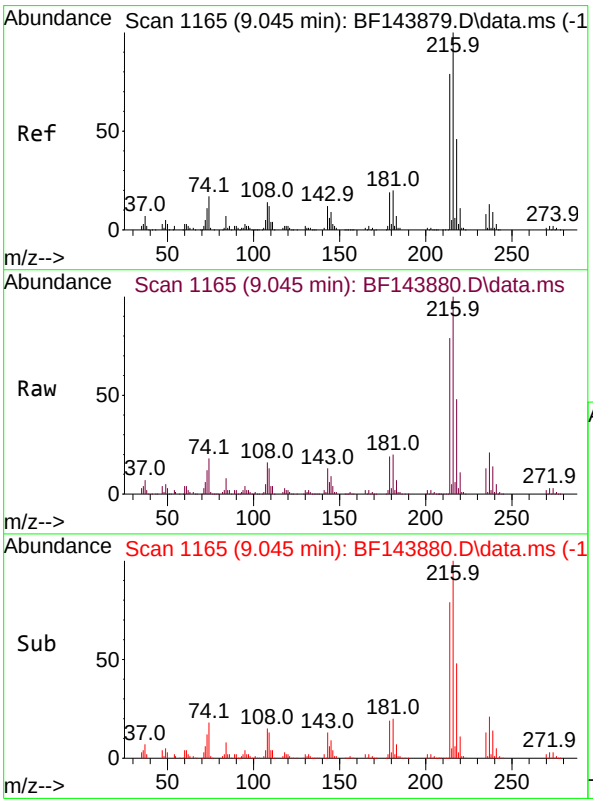
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 393762

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.2	120.2
160	44.2	35.4	53.0

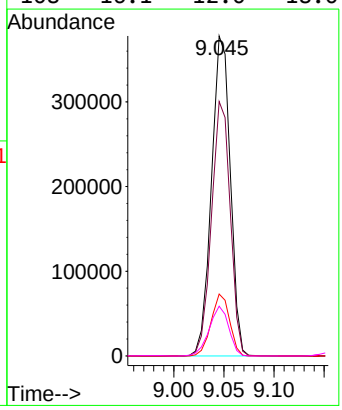


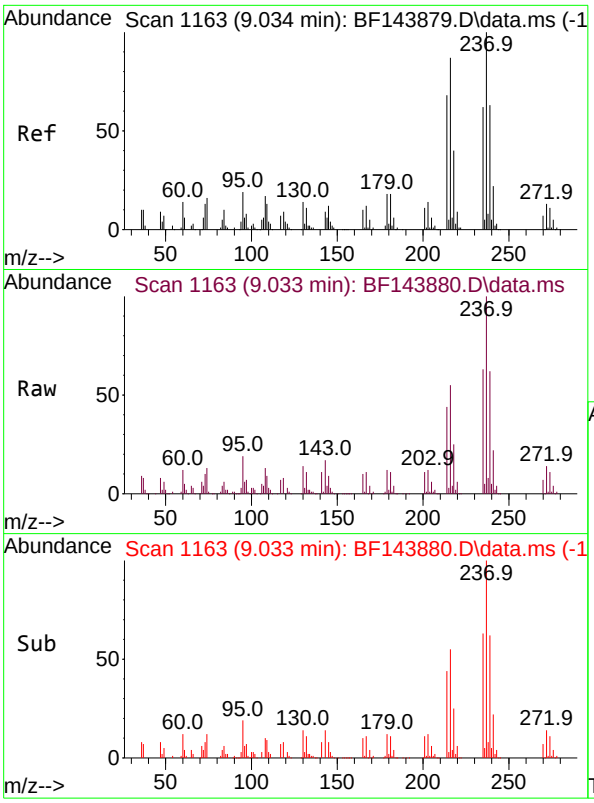


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.187 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:216 Resp: 491771

Ion	Ratio	Lower	Upper
216	100		
214	79.2	62.6	94.0
179	19.0	15.4	23.0
108	16.1	12.0	18.0



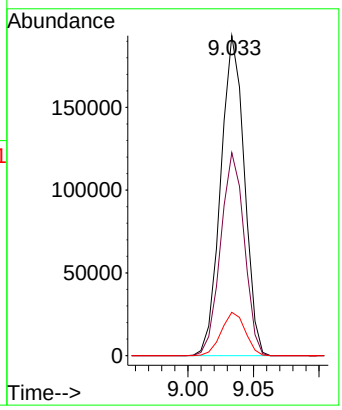


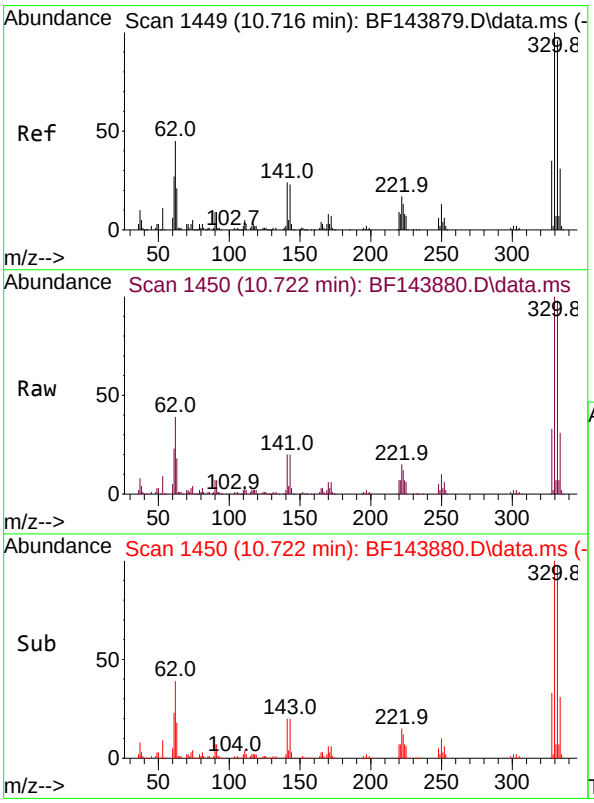
#41
Hexachlorocyclopentadiene
Concen: 53.686 ng
RT: 9.033 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 242390

Ion	Ratio	Lower	Upper
237	100		
235	63.4	42.3	82.3
272	13.5	0.0	33.1

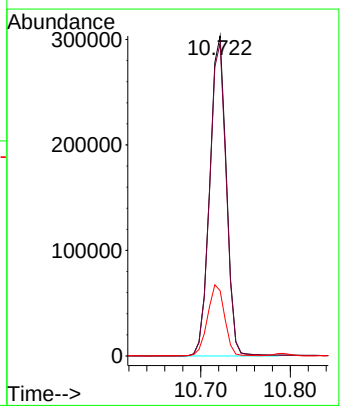


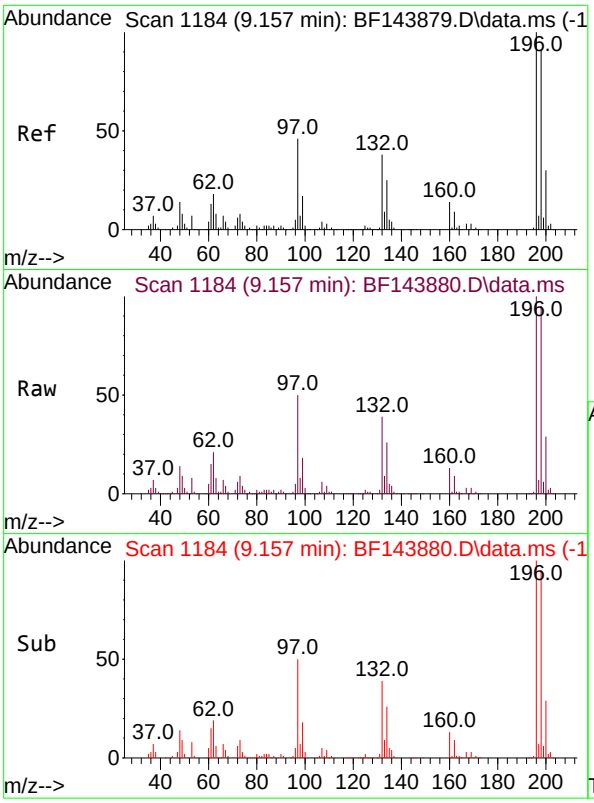


#42
2,4,6-Tribromophenol
Concen: 99.608 ng
RT: 10.722 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:330 Resp: 390657

Ion	Ratio	Lower	Upper
330	100		
332	98.3	76.9	115.3
141	22.6	20.2	30.4



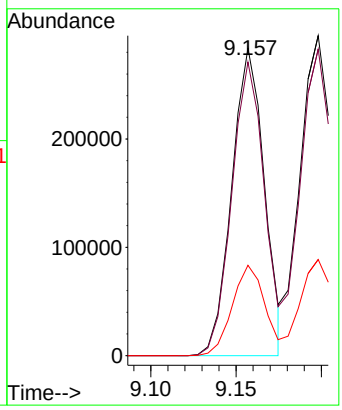


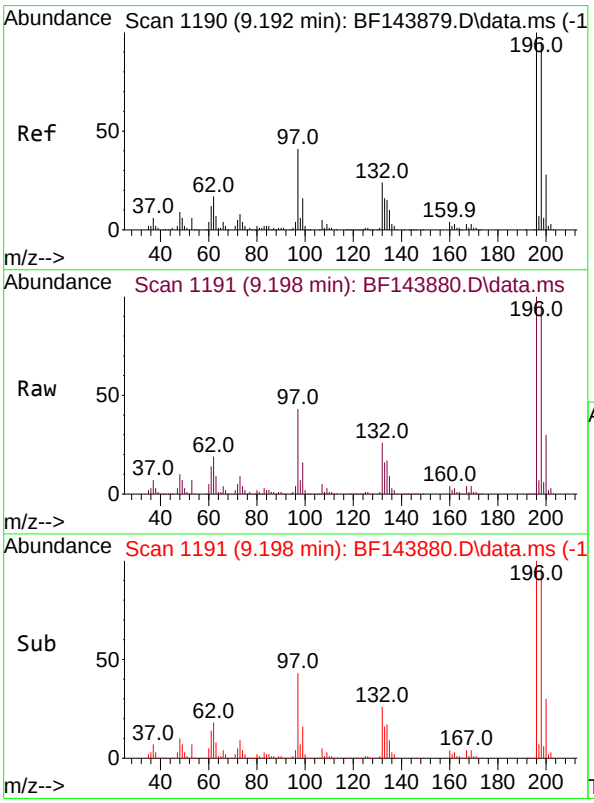
#43
2,4,6-Trichlorophenol
Concen: 47.410 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 376991

Ion	Ratio	Lower	Upper
196	100		
198	95.4	72.8	109.2
200	29.4	24.0	36.0

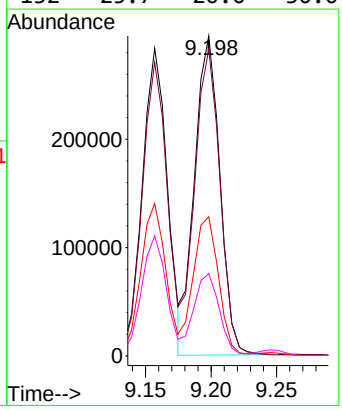


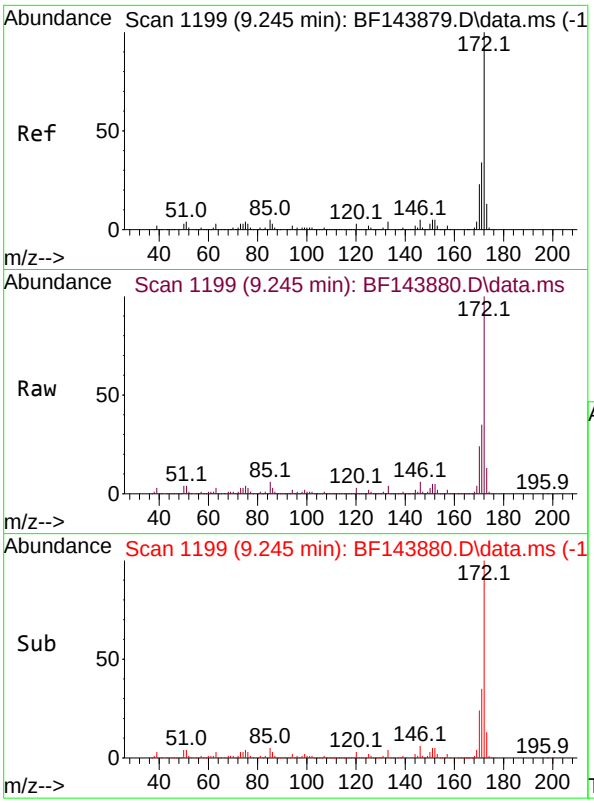


#44
2,4,5-Trichlorophenol
Concen: 47.031 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:196 Resp: 395213

Ion	Ratio	Lower	Upper
196	100		
198	95.8	75.5	113.3
97	43.5	33.9	50.9
132	25.7	20.0	30.0



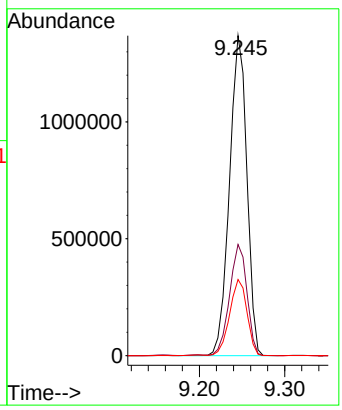


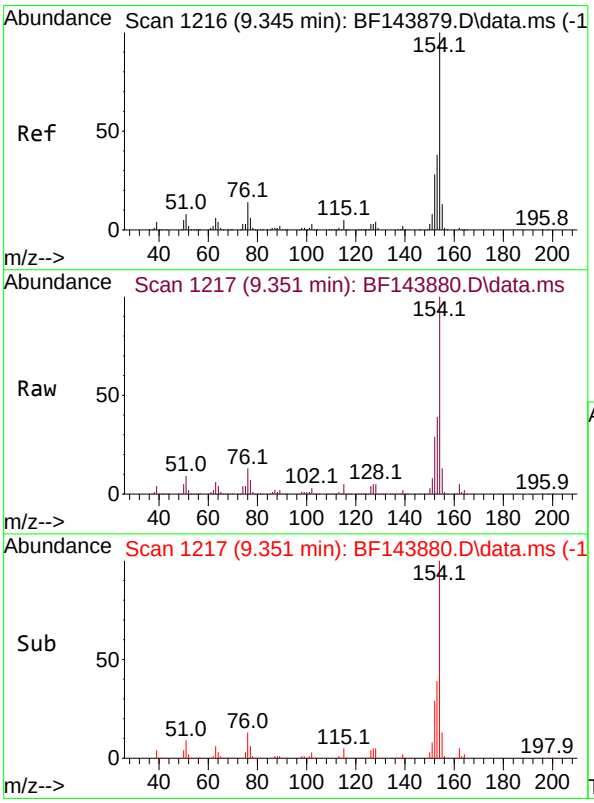
#45
2-Fluorobiphenyl
Concen: 78.050 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 1936883

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.4	41.0
170	23.8	18.6	28.0

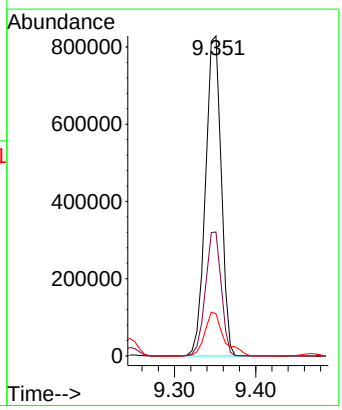


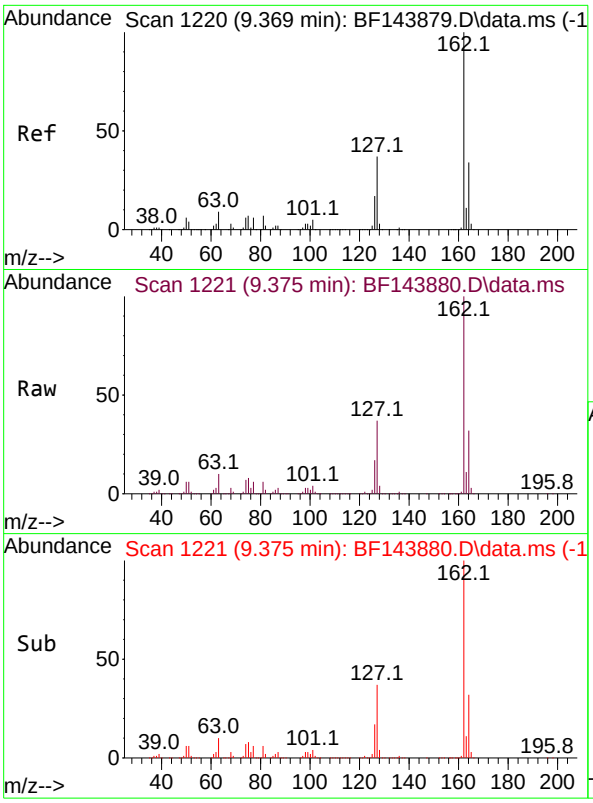


#46
1,1'-Biphenyl
Concen: 42.837 ng
RT: 9.351 min Scan# 1217
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:154 Resp: 1116775

Ion	Ratio	Lower	Upper
154	100		
153	38.7	18.4	58.4
76	13.2	0.0	34.0



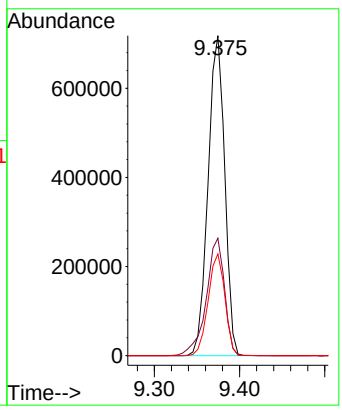


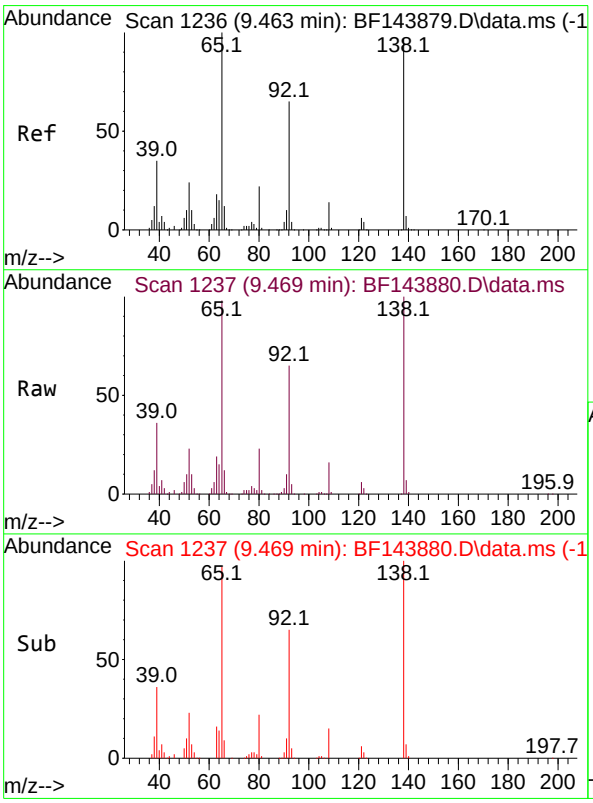
#47
2-Chloronaphthalene
Concen: 44.748 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 972675

Ion	Ratio	Lower	Upper
162	100		
127	36.7	30.2	45.2
164	31.8	26.9	40.3

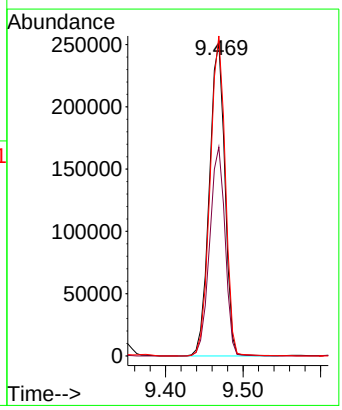


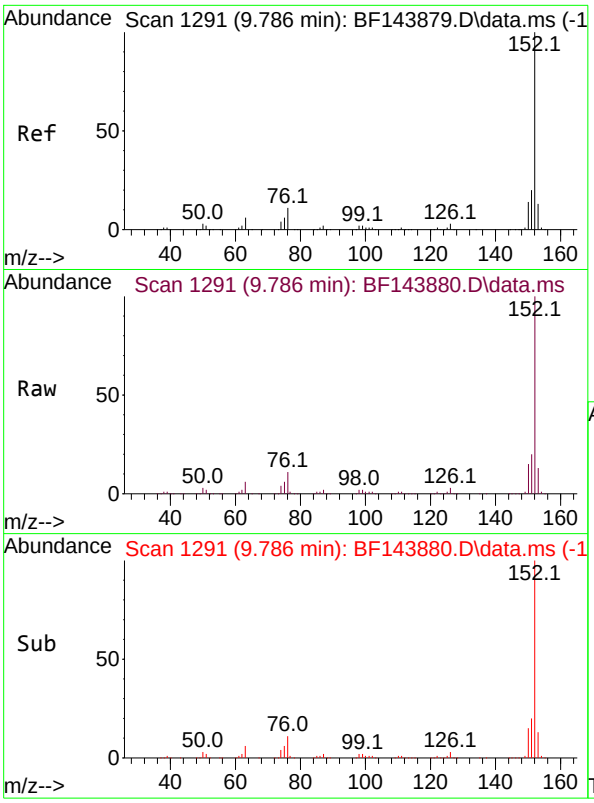


#48
2-Nitroaniline
Concen: 50.665 ng
RT: 9.469 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion: 65 Resp: 348179

Ion	Ratio	Lower	Upper
65	100		
92	66.8	52.1	78.1
138	102.3	77.4	116.2



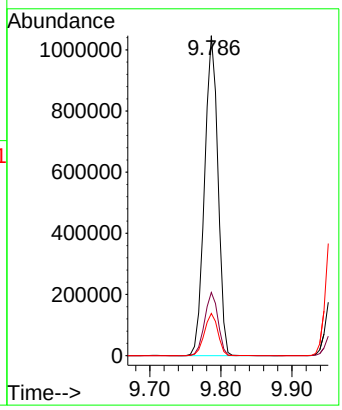


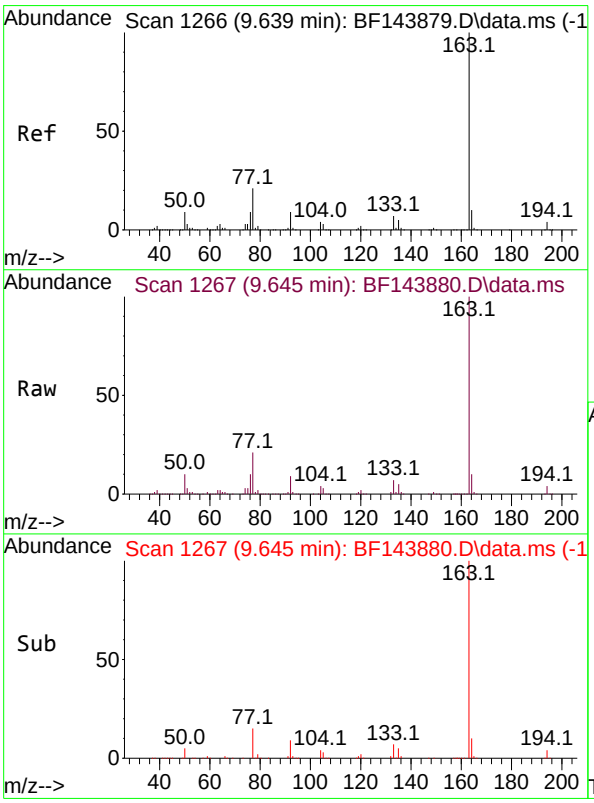
#49
Acenaphthylene
Concen: 44.642 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 1364193

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.2	10.5	15.7

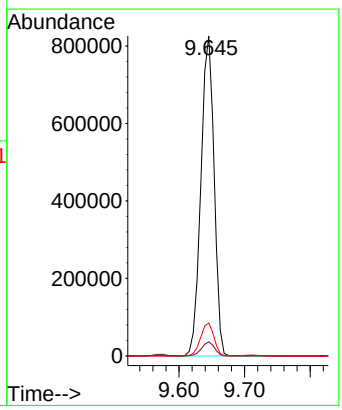


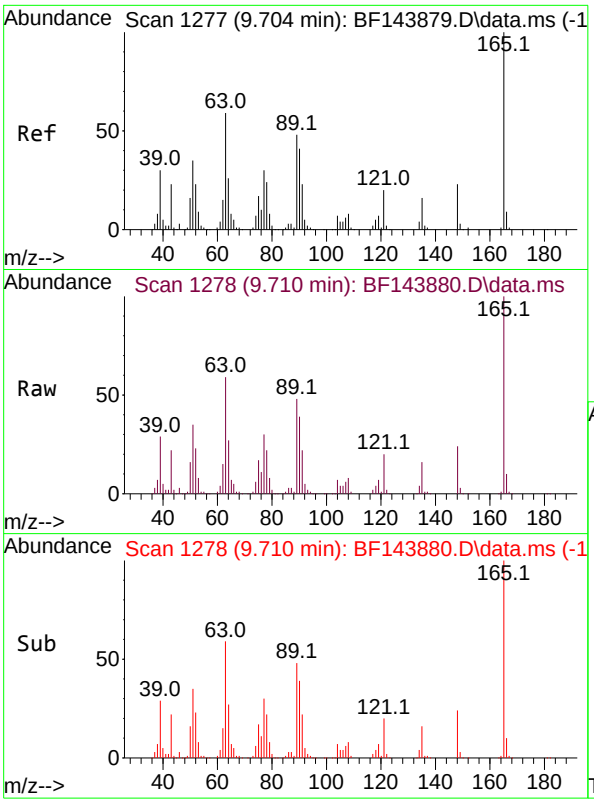


#50
Dimethylphthalate
Concen: 45.888 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:163 Resp: 1147448

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.3	4.9
164	10.3	8.1	12.1



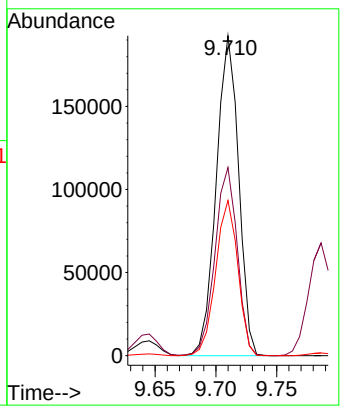


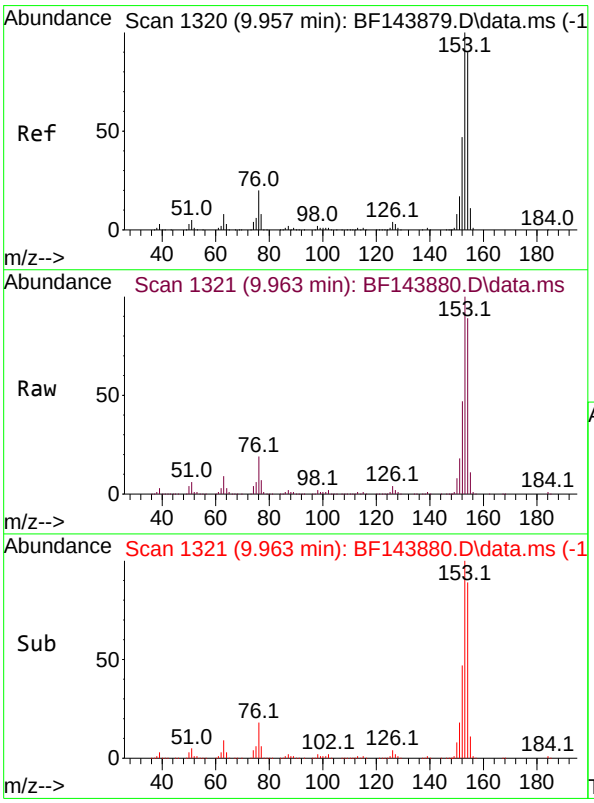
#51
2,6-Dinitrotoluene
Concen: 53.176 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 246567

Ion	Ratio	Lower	Upper
165	100		
63	58.8	47.3	70.9
89	48.5	38.2	57.4

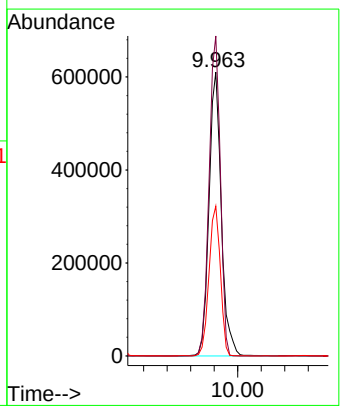


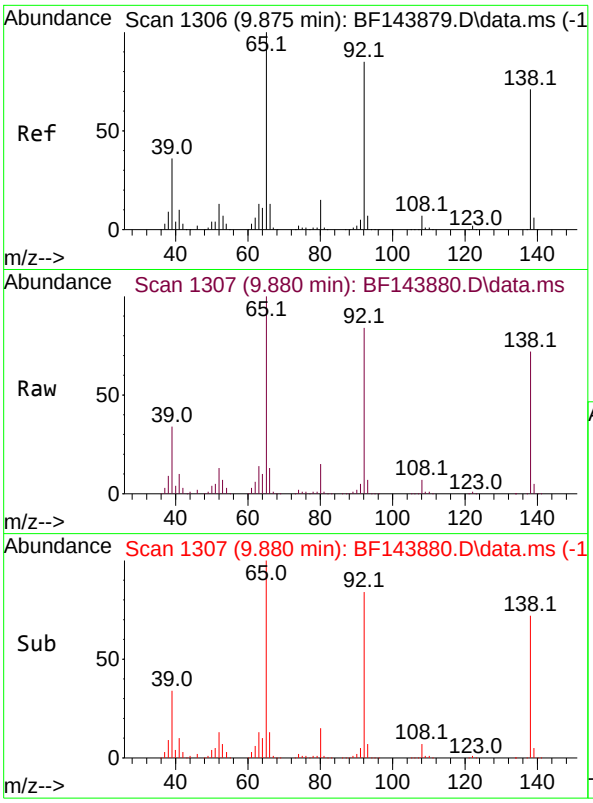


#52
Acenaphthene
Concen: 44.122 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:154 Resp: 883487

Ion	Ratio	Lower	Upper
154	100		
153	112.8	89.3	133.9
152	52.7	42.2	63.2



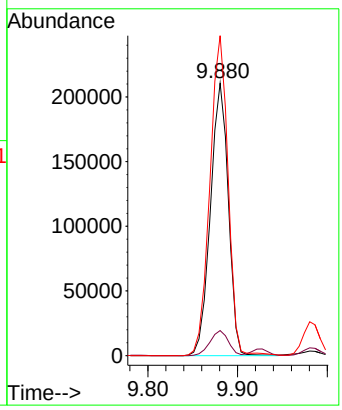


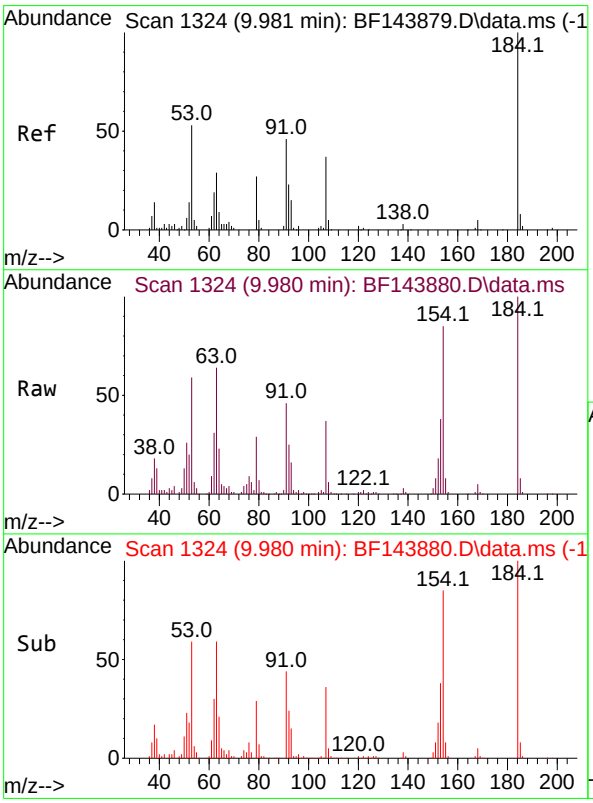
#53
3-Nitroaniline
Concen: 51.366 ng
RT: 9.880 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 291630

Ion	Ratio	Lower	Upper
138	100		
108	9.2	8.3	12.5
92	117.5	96.2	144.2

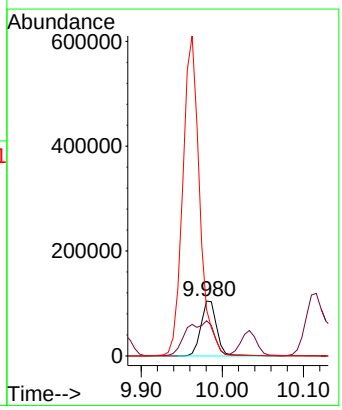


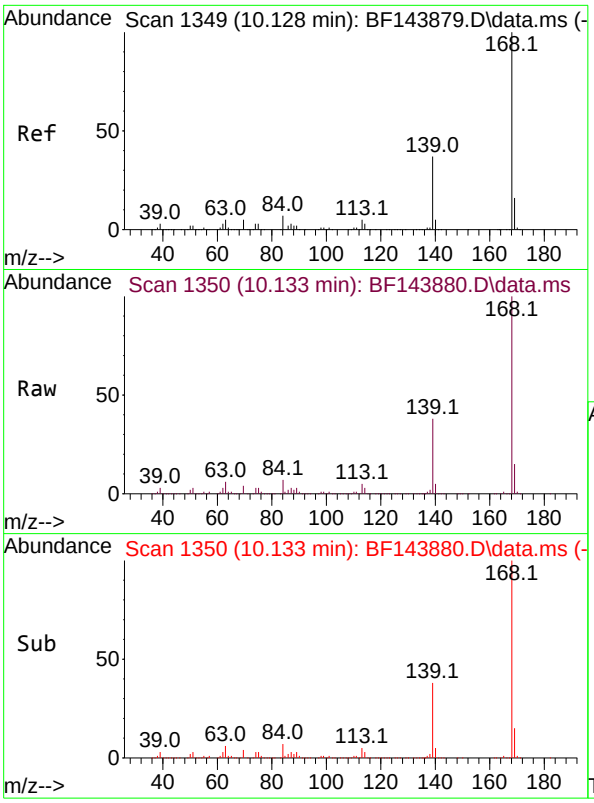


#54
2,4-Dinitrophenol
Concen: 51.801 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:184 Resp: 140496

Ion	Ratio	Lower	Upper
184	100		
63	64.1	48.2	72.4
154	84.8	49.2	73.8#



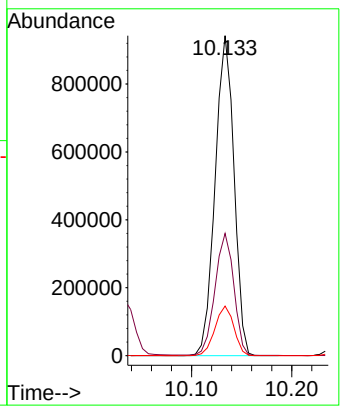


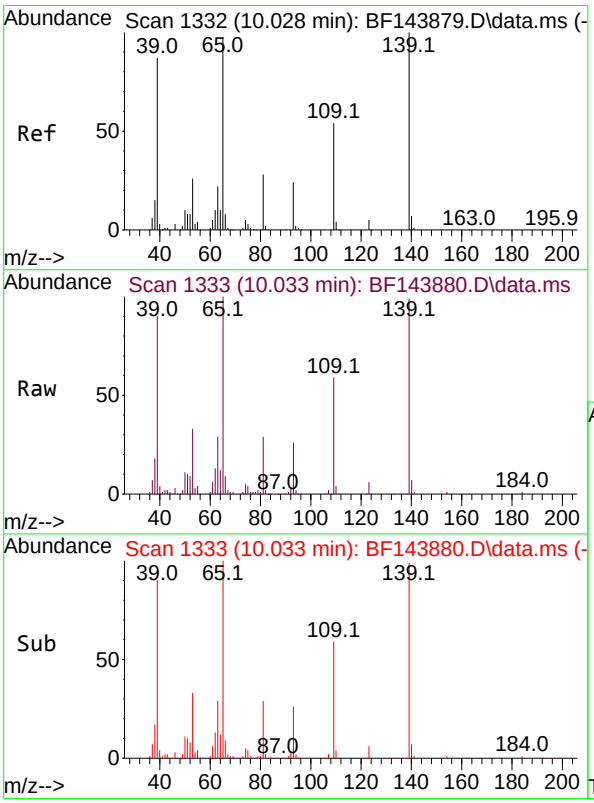
#55
Dibenzofuran
Concen: 43.625 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 1233091

Ion	Ratio	Lower	Upper
168	100		
139	38.2	29.8	44.8
169	15.5	12.8	19.2

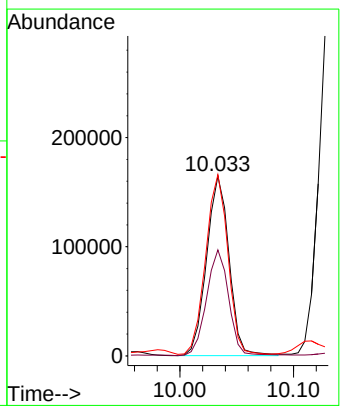


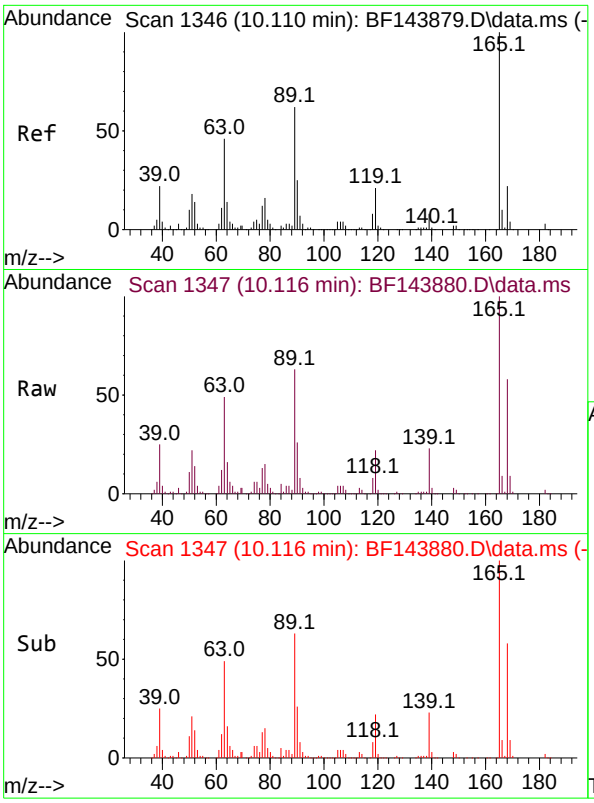


#56
4-Nitrophenol
Concen: 52.750 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:139 Resp: 226765

Ion	Ratio	Lower	Upper
139	100		
109	59.0	34.5	74.5
65	100.7	77.6	117.6



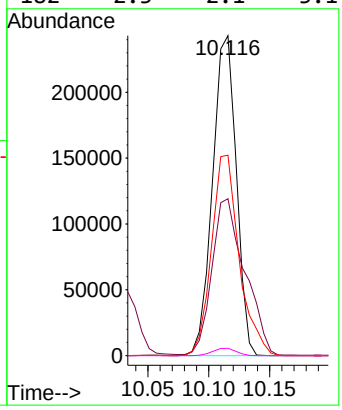


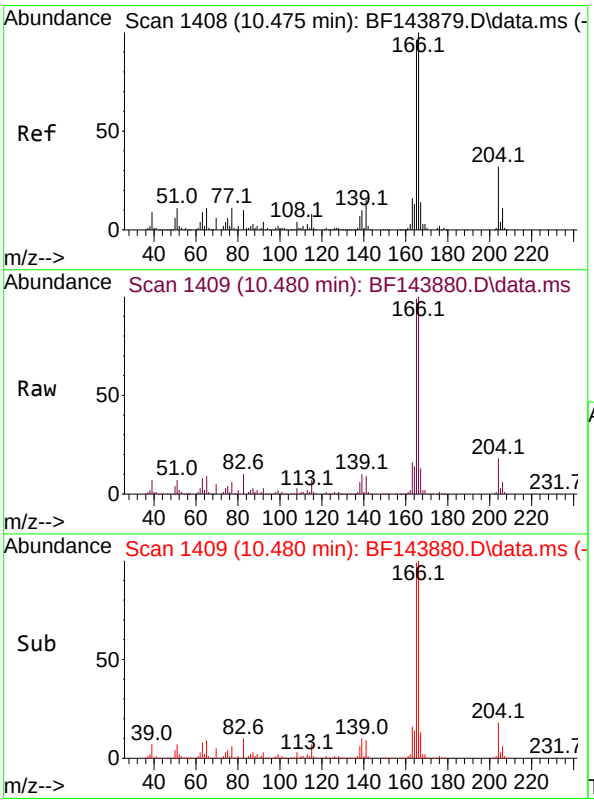
#57
2,4-Dinitrotoluene
Concen: 52.304 ng
RT: 10.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 329984

Ion	Ratio	Lower	Upper
165	100		
63	49.0	37.2	55.8
89	62.6	49.4	74.2
182	2.3	2.1	3.1

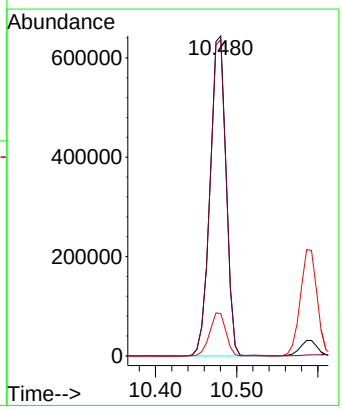


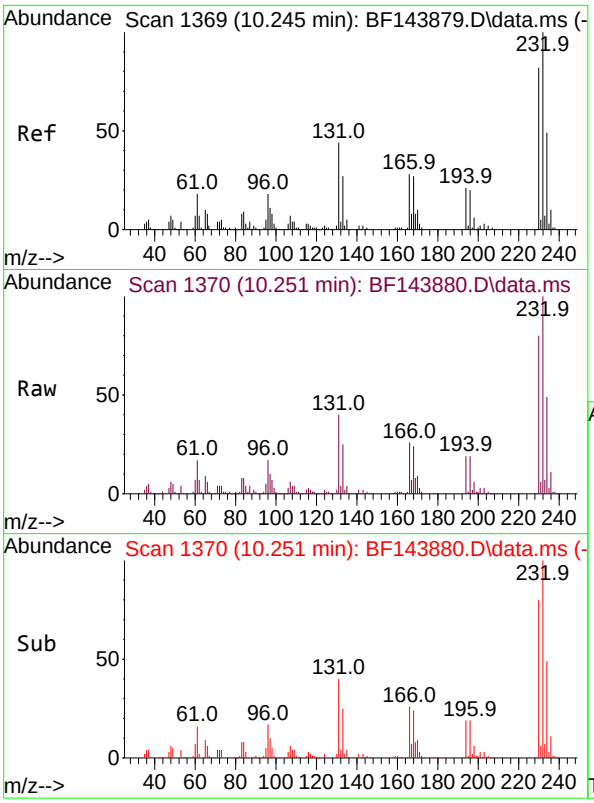


#58
Fluorene
Concen: 41.398 ng
RT: 10.480 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:166 Resp: 882946

Ion	Ratio	Lower	Upper
166	100		
165	98.8	77.0	115.6
167	13.2	11.1	16.7



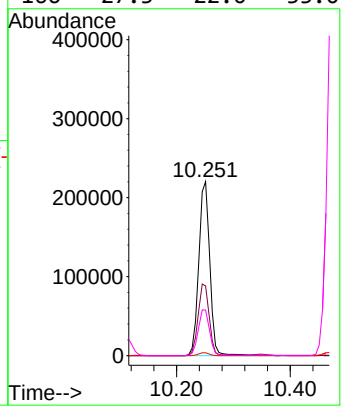


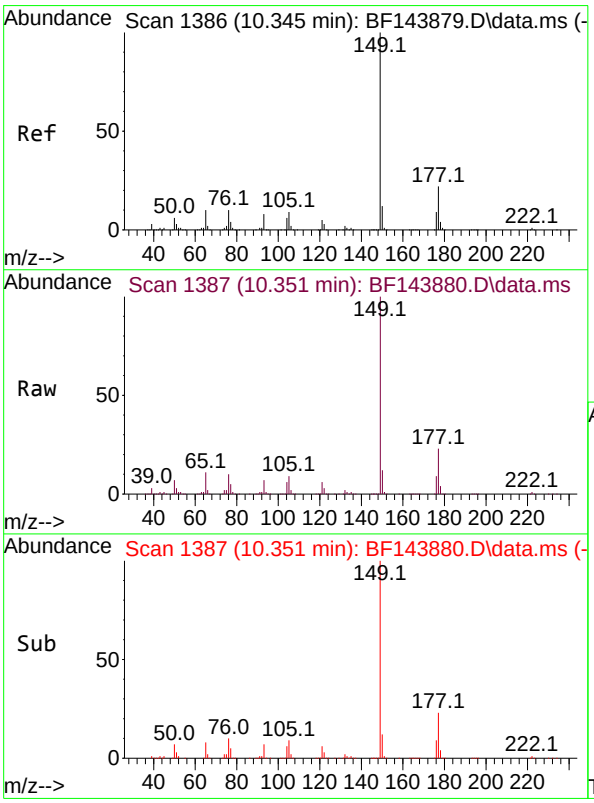
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.591 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 294987

Ion	Ratio	Lower	Upper
232	100		
131	41.7	34.9	52.3
130	1.6	1.6	2.4#
166	27.3	22.0	33.0

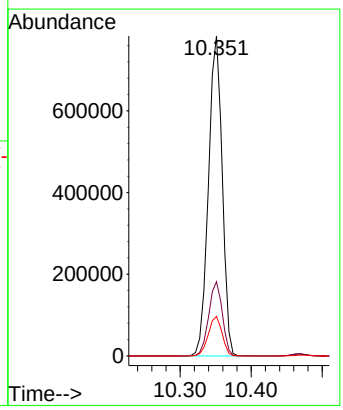


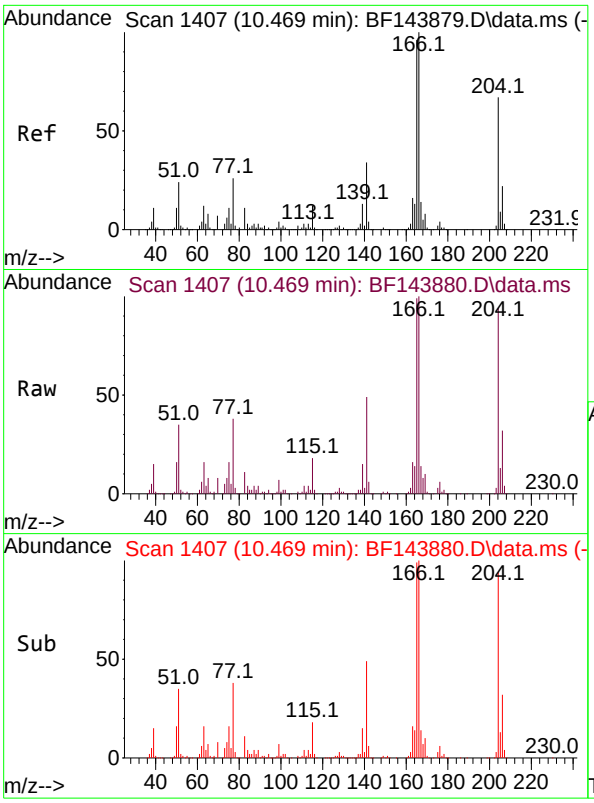


#60
Diethylphthalate
Concen: 45.330 ng
RT: 10.351 min Scan# 1387
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:149 Resp: 1053032

Ion	Ratio	Lower	Upper
149	100		
177	23.2	17.9	26.9
150	12.3	9.8	14.8



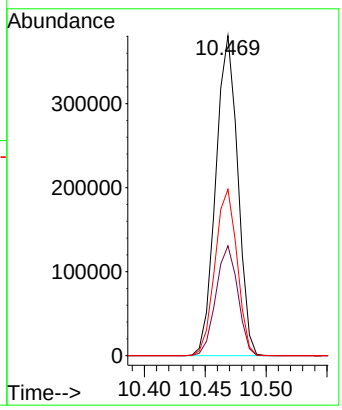


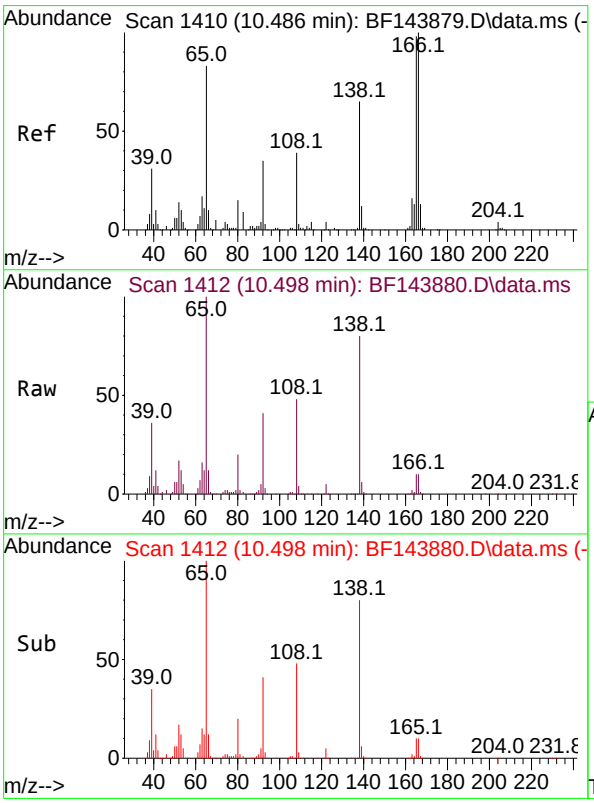
#61
4-Chlorophenyl-phenylether
Concen: 42.311 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 477108

Ion	Ratio	Lower	Upper
204	100		
206	34.3	26.6	40.0
141	52.0	40.4	60.6

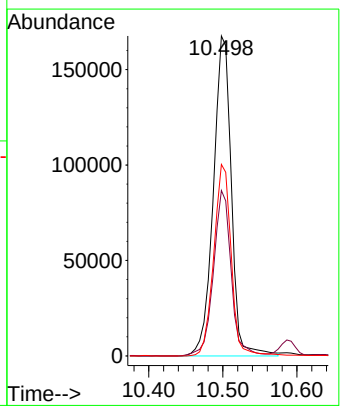


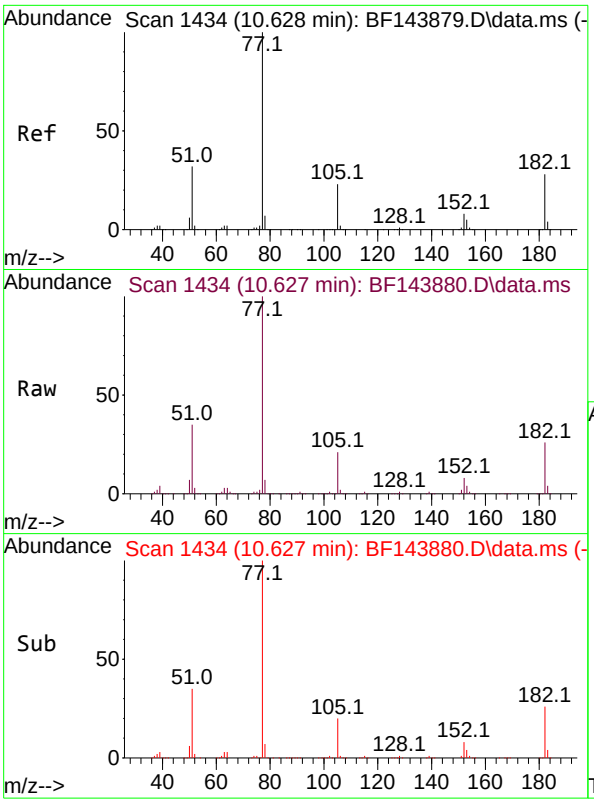


#62
4-Nitroaniline
Concen: 51.782 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:138 Resp: 282713

Ion	Ratio	Lower	Upper
138	100		
92	51.7	33.9	73.9
108	59.8	40.2	80.2



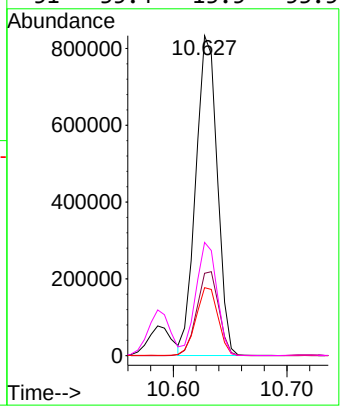


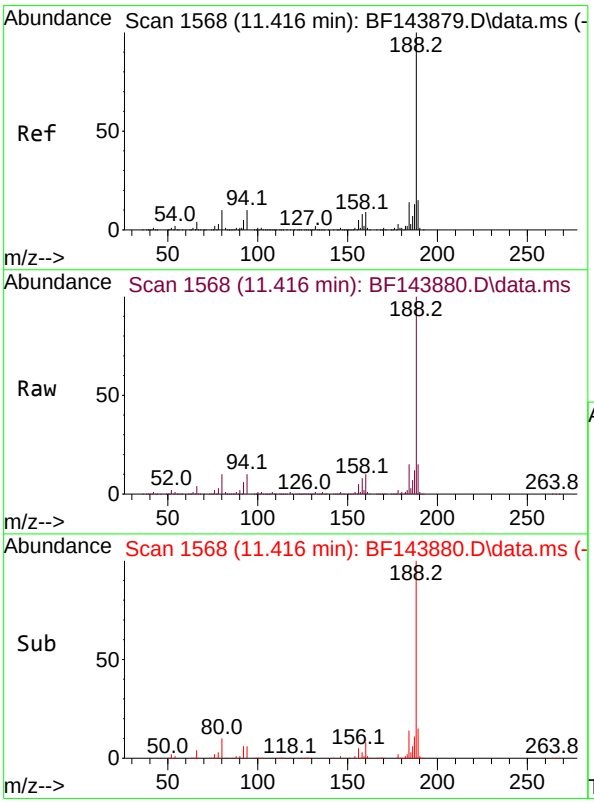
#63
Azobenzene
Concen: 45.178 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 1096875

Ion	Ratio	Lower	Upper
77	100		
182	25.7	7.3	47.3
105	21.2	3.0	43.0
51	35.4	13.5	53.5

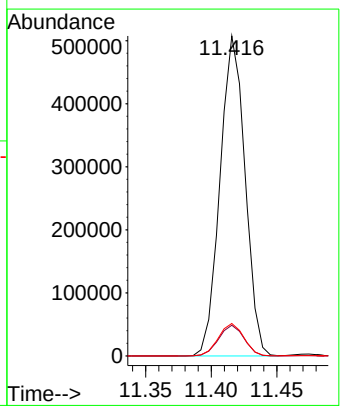


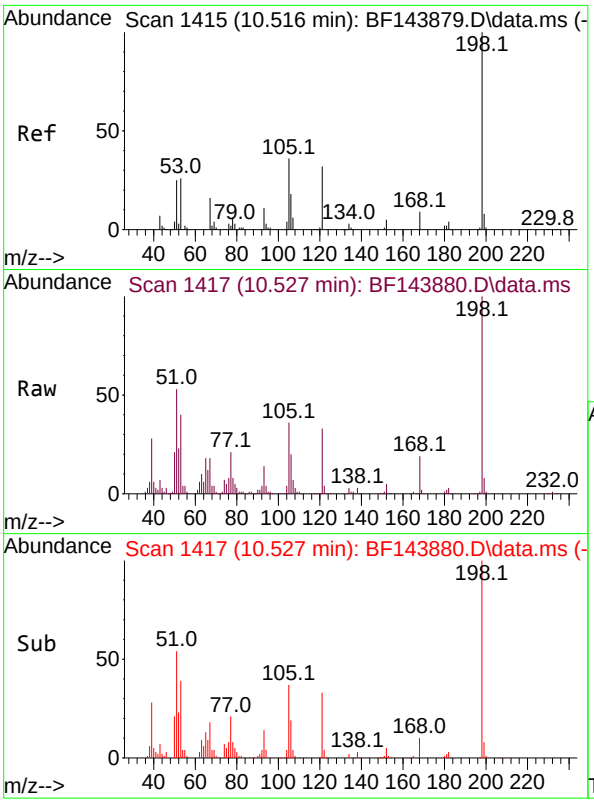


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:188 Resp: 674807

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.8	11.6
80	10.1	7.9	11.9



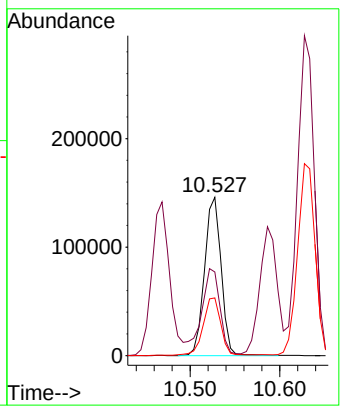


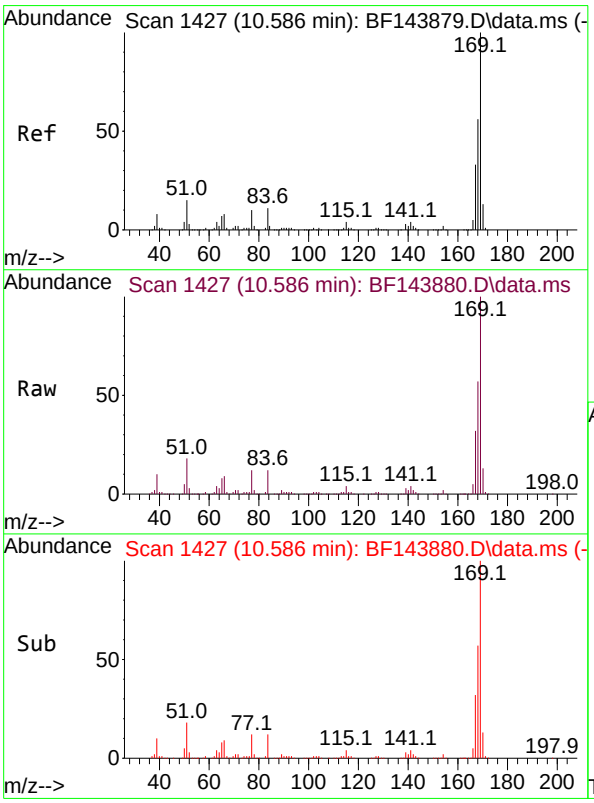
#65
4,6-Dinitro-2-methylphenol
Concen: 55.558 ng
RT: 10.527 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 188400

Ion	Ratio	Lower	Upper
198	100		
51	52.8	33.8	73.8
105	36.4	17.0	57.0

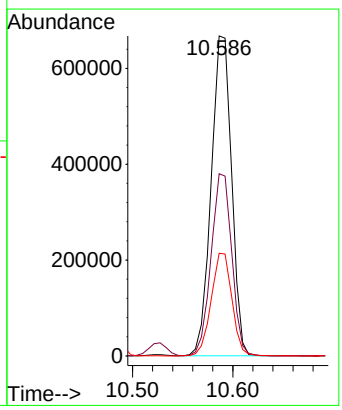


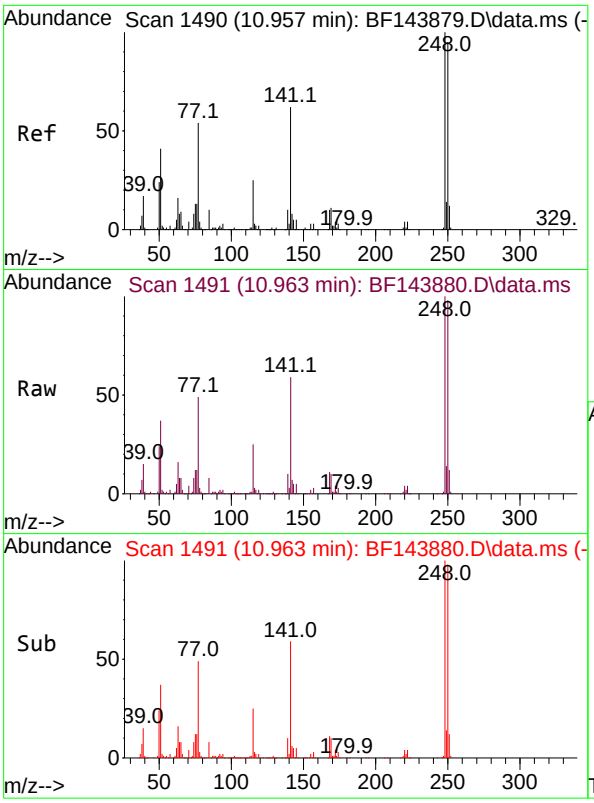


#66
n-Nitrosodiphenylamine
Concen: 44.552 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:169 Resp: 943991

Ion	Ratio	Lower	Upper
169	100		
168	56.9	44.9	67.3
167	32.1	26.3	39.5



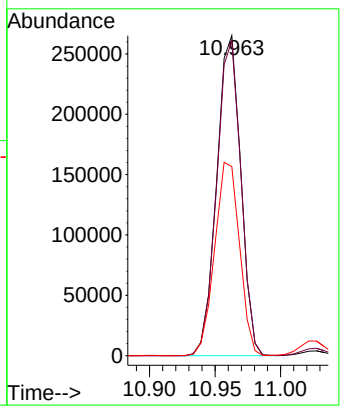


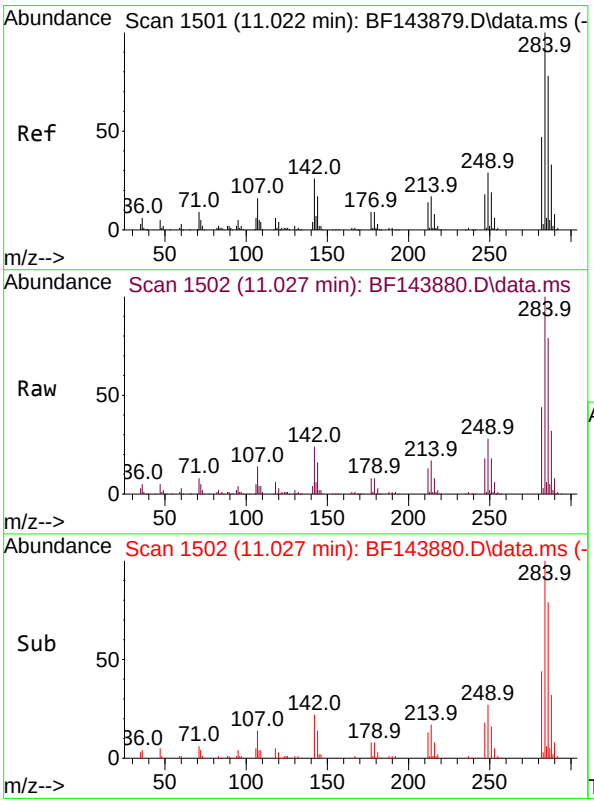
#67
4-Bromophenyl-phenylether
Concen: 45.566 ng
RT: 10.963 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 339818

Ion	Ratio	Lower	Upper
248	100		
250	98.4	76.3	114.5
141	59.1	49.7	74.5

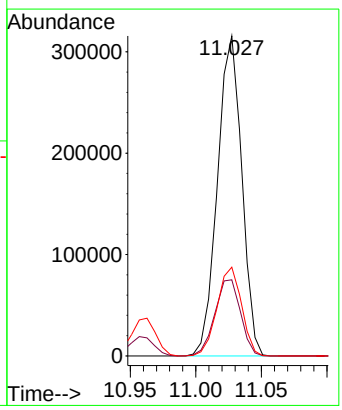


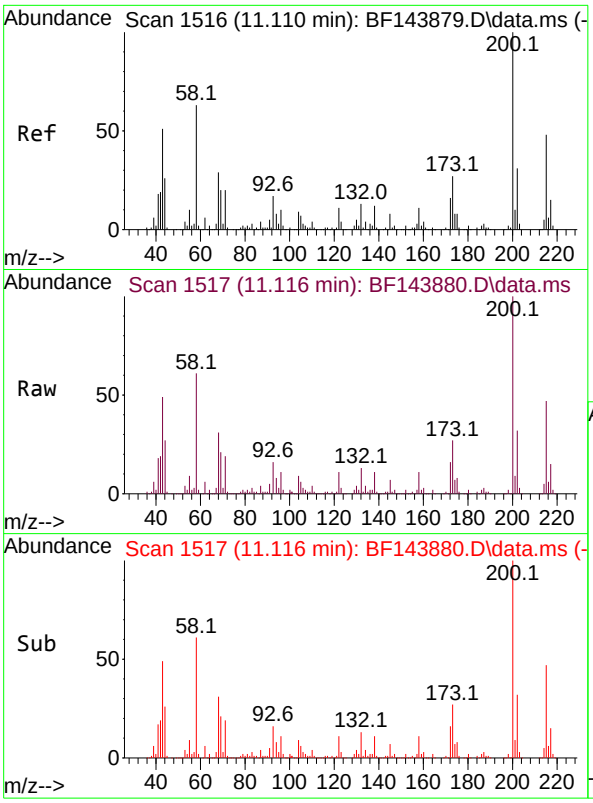


#68
Hexachlorobenzene
Concen: 47.211 ng
RT: 11.027 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:284 Resp: 407614

Ion	Ratio	Lower	Upper
284	100		
142	23.8	20.6	30.8
249	27.7	23.2	34.8



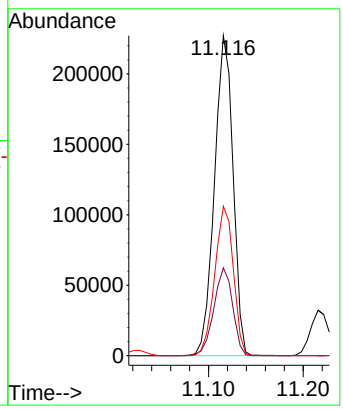


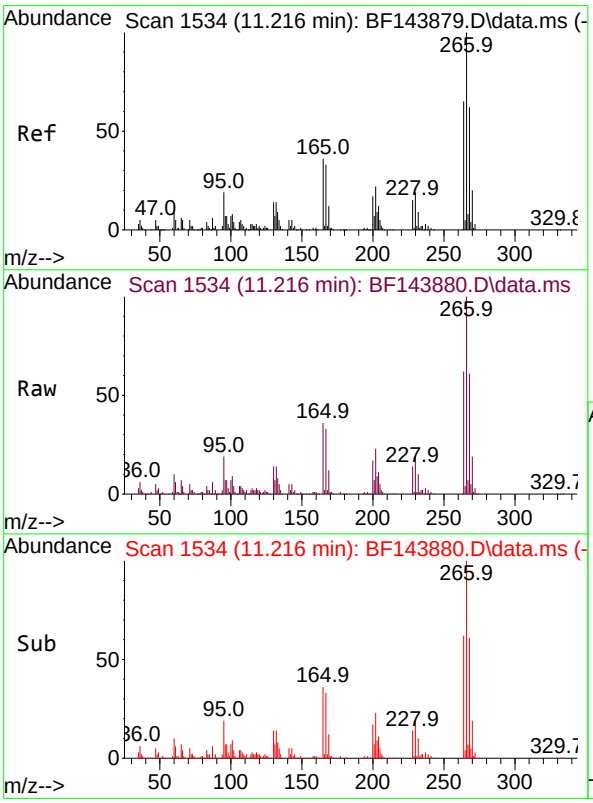
#69
Atrazine
Concen: 48.240 ng
RT: 11.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 309799

Ion	Ratio	Lower	Upper
200	100		
173	27.5	7.0	47.0
215	46.7	27.8	67.8

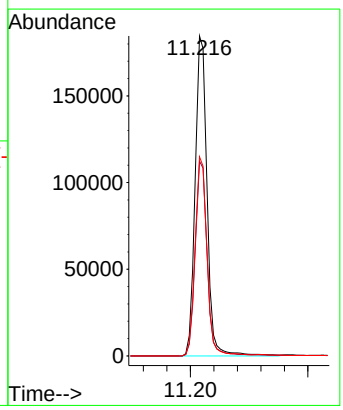


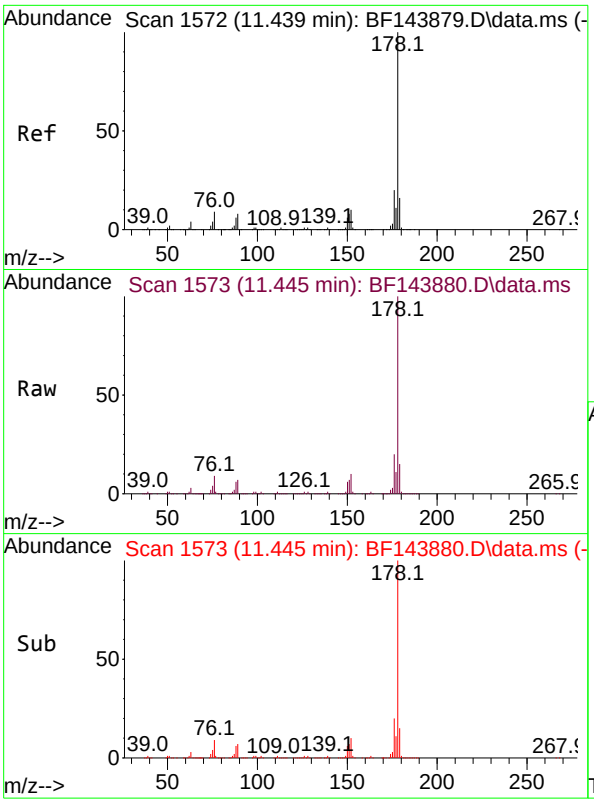


#70
Pentachlorophenol
Concen: 52.304 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:266 Resp: 259359

Ion	Ratio	Lower	Upper
266	100		
268	60.8	49.4	74.0
264	62.2	51.8	77.6



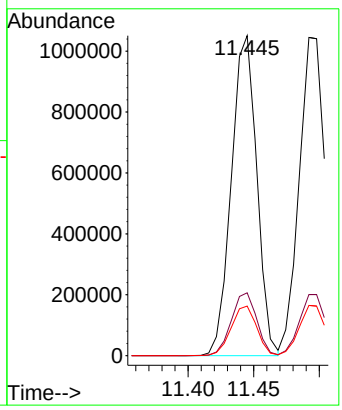


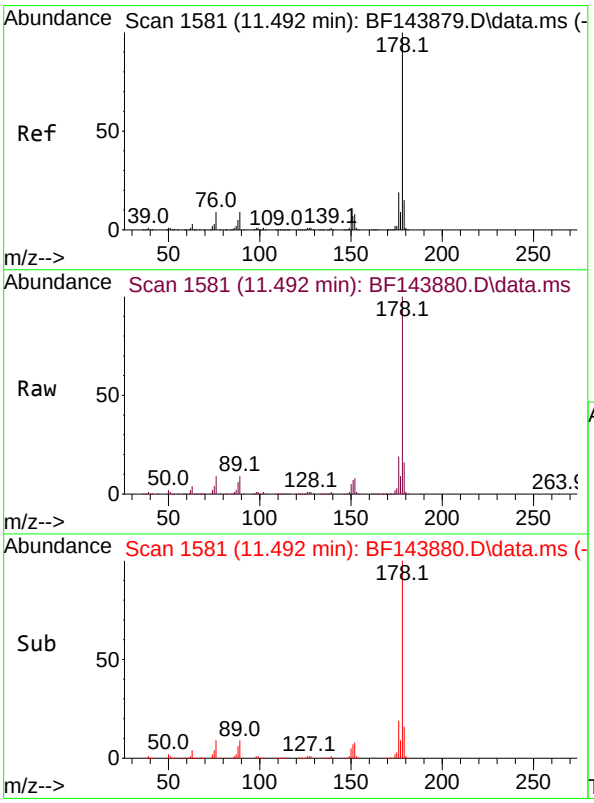
#71
Phenanthrene
Concen: 43.395 ng
RT: 11.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 1419666

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.5	12.4	18.6

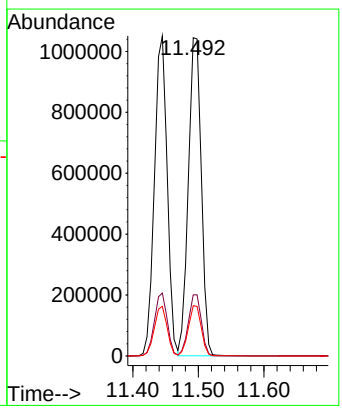


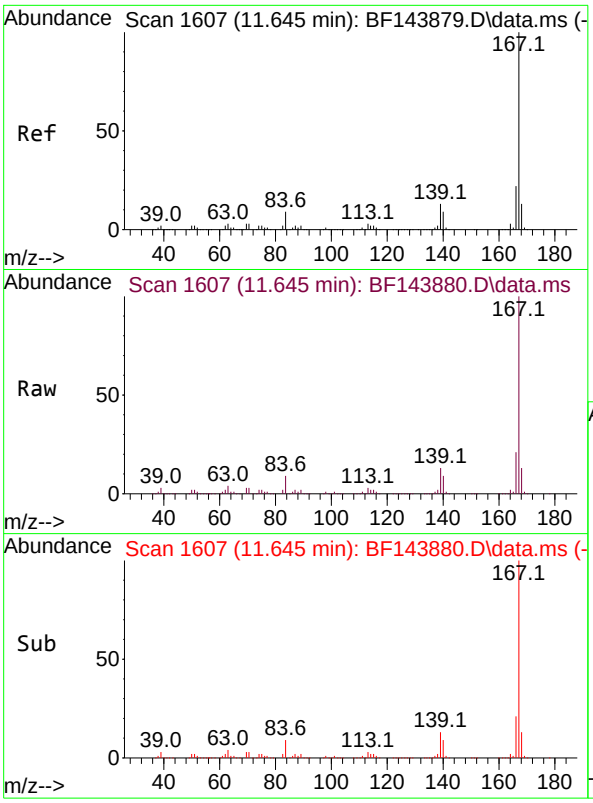


#72
Anthracene
Concen: 43.583 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:178 Resp: 1440404

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.9	22.3
179	15.8	12.2	18.2



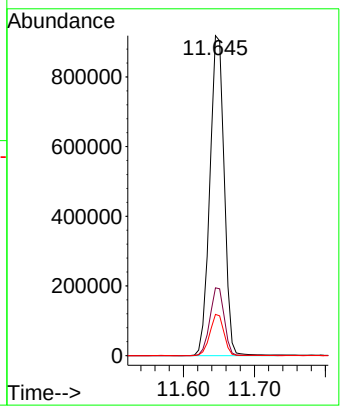


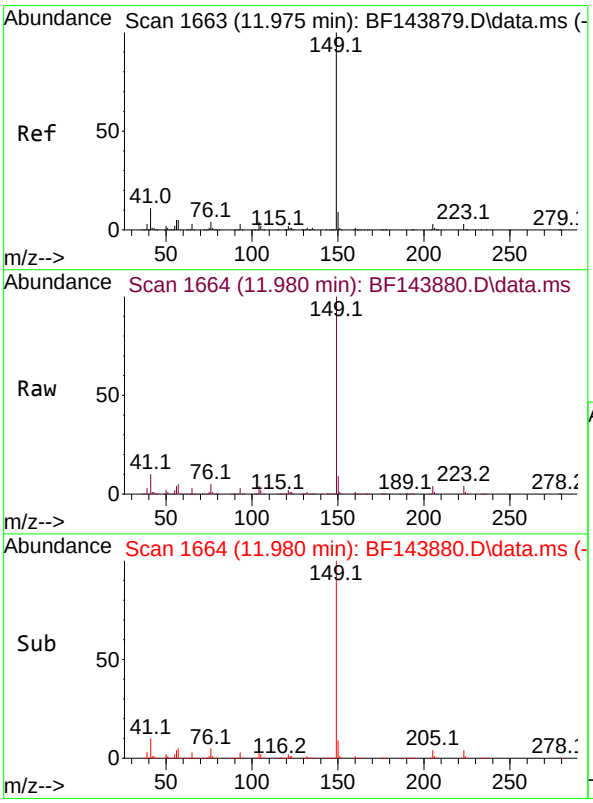
#73
Carbazole
Concen: 44.139 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 1291982

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	12.9	10.1	15.1

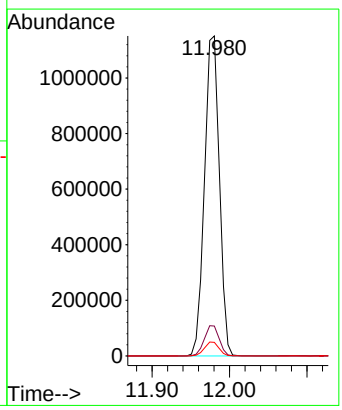


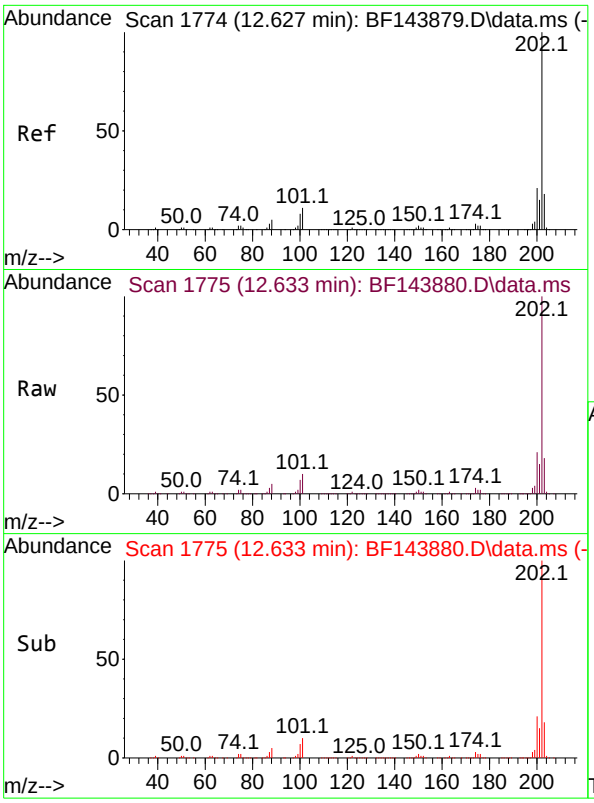


#74
Di-n-butylphthalate
Concen: 45.246 ng
RT: 11.980 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:149 Resp: 1534951

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.2	3.4	5.2



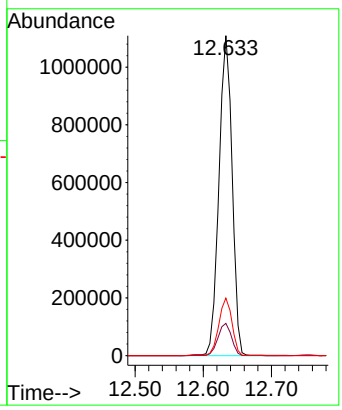


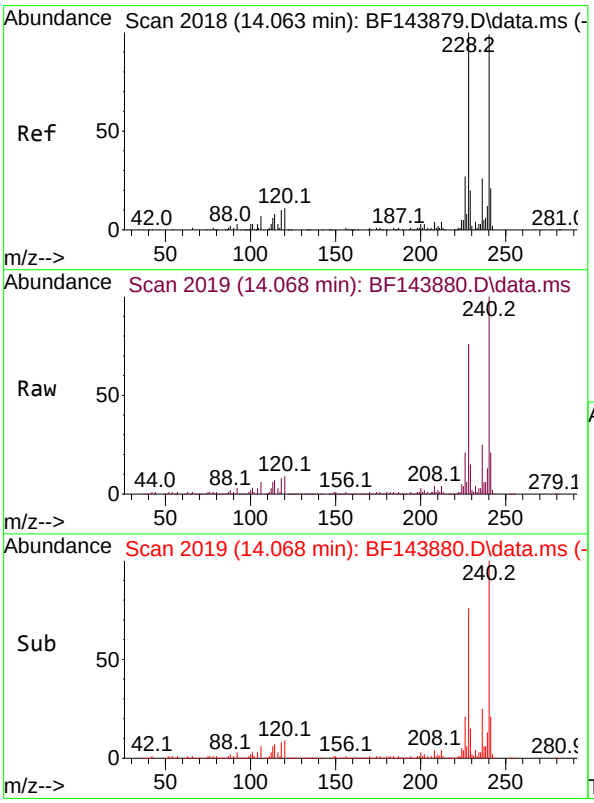
#75
Fluoranthene
Concen: 43.744 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 1478181

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.7
203	18.0	0.0	37.8

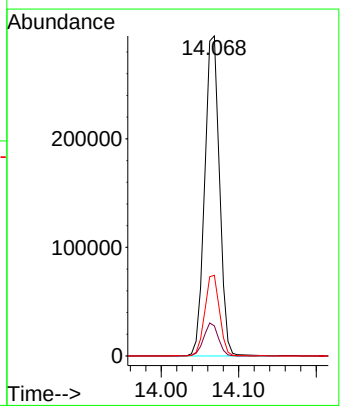


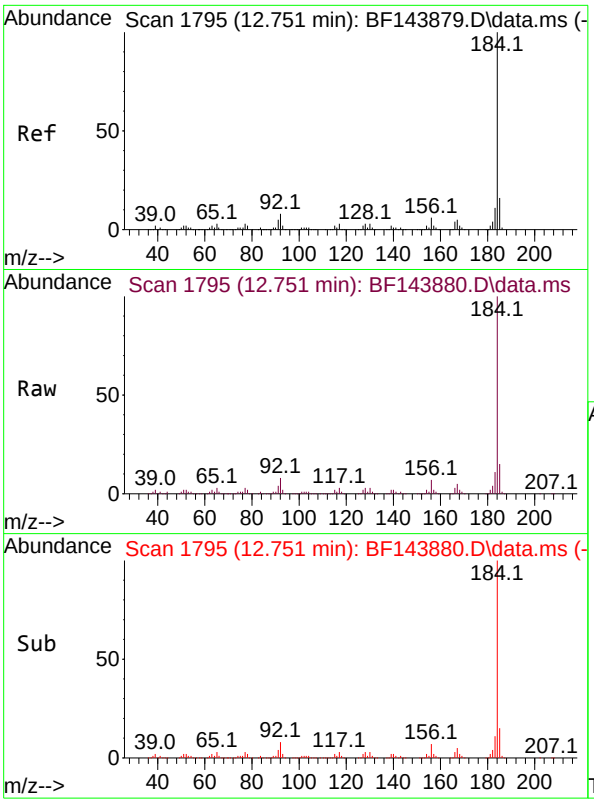


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:240 Resp: 390779

Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.6	13.0
236	25.2	21.1	31.7



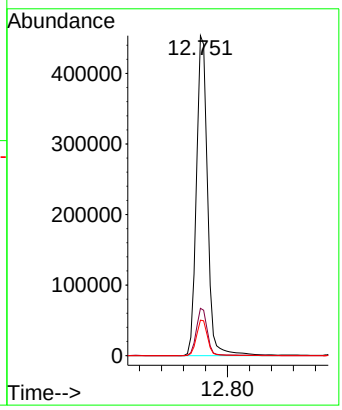


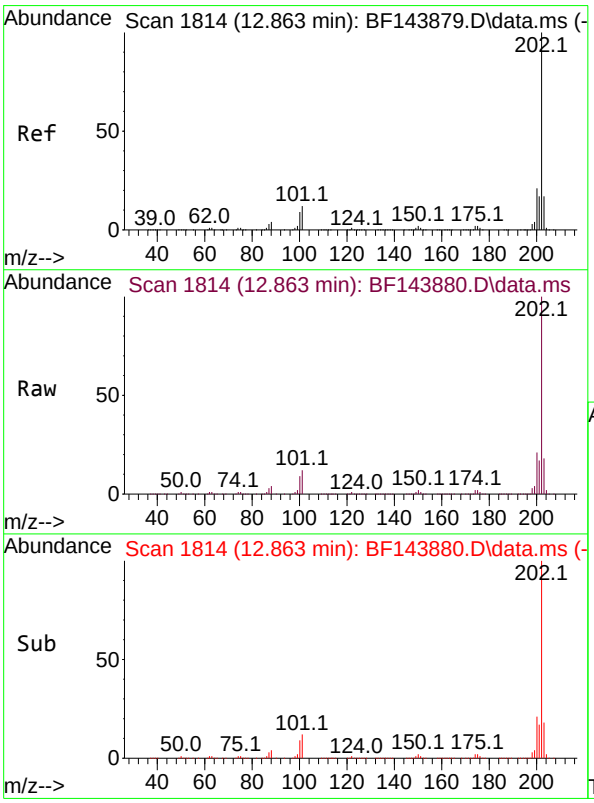
#77
Benzidine
Concen: 46.882 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 636126

Ion	Ratio	Lower	Upper
184	100		
185	14.8	12.6	18.8
183	11.1	8.8	13.2

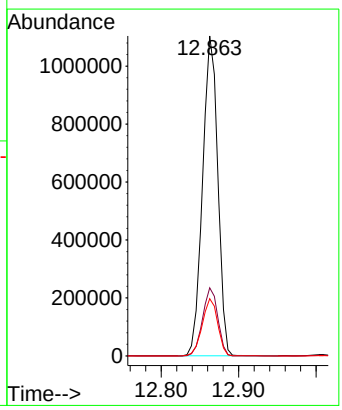


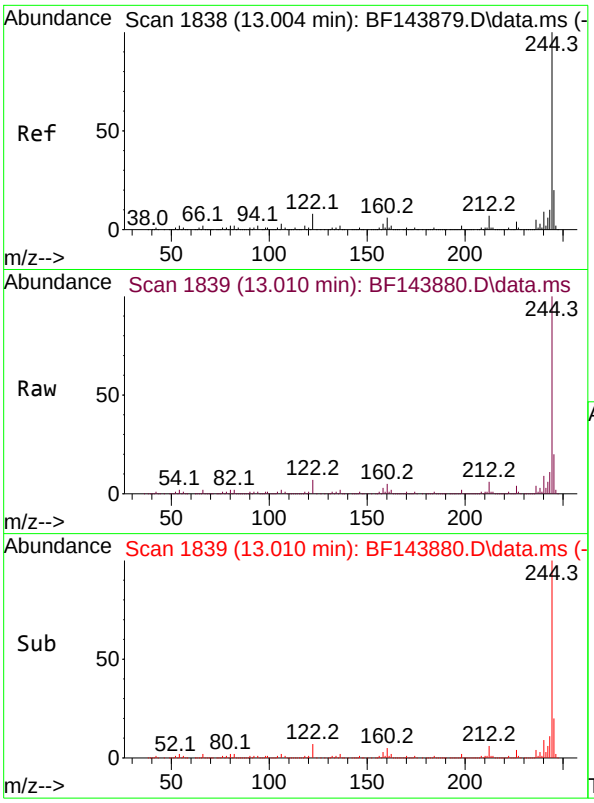


#78
Pyrene
Concen: 46.206 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:202 Resp: 1505326

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.6
203	17.9	13.8	20.6



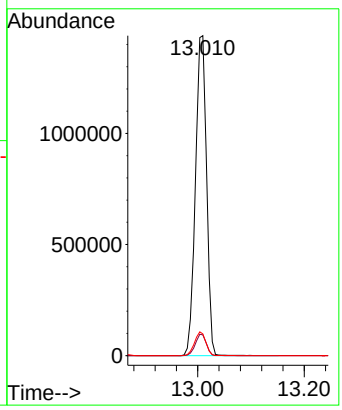


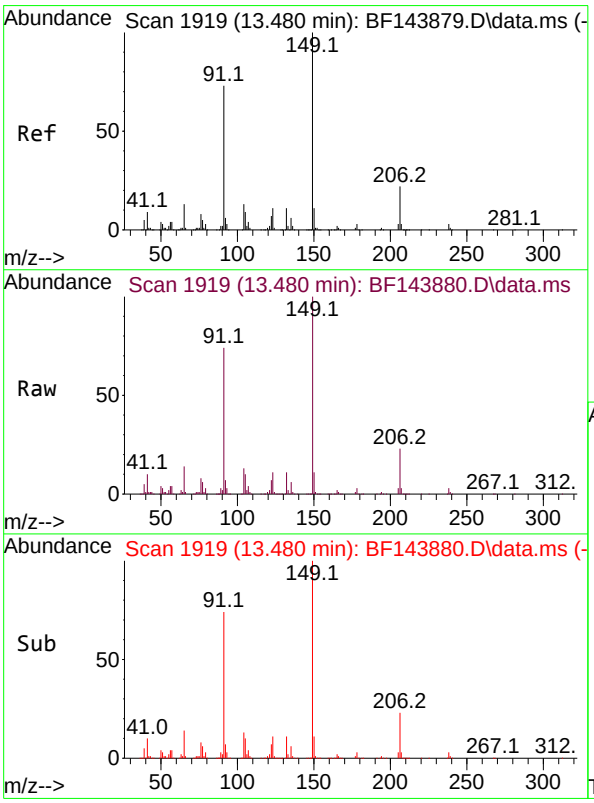
#79
Terphenyl-d14
Concen: 91.121 ng
RT: 13.010 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 2083463

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	6.8	6.4	9.6

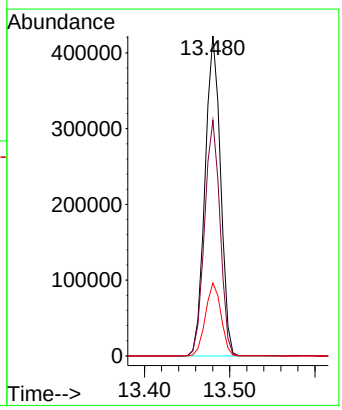


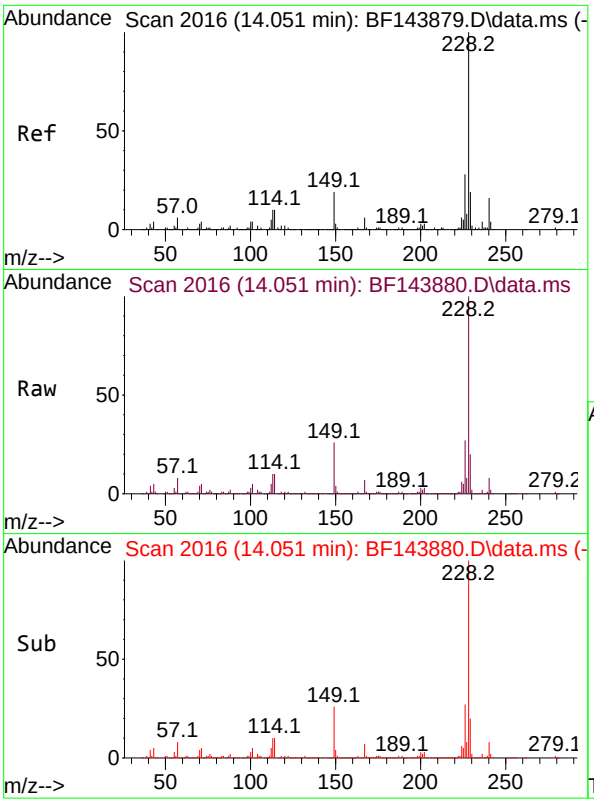


#80
Butylbenzylphthalate
Concen: 50.352 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:149 Resp: 532754

Ion	Ratio	Lower	Upper
149	100		
91	73.6	58.2	87.2
206	22.8	17.9	26.9



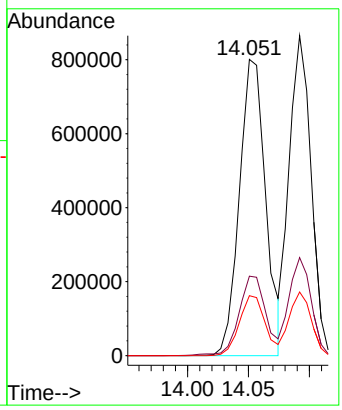


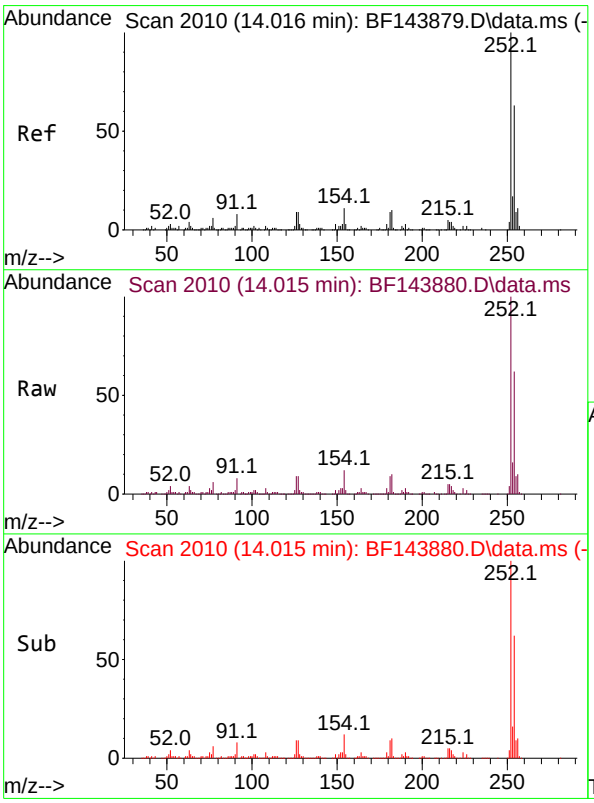
#81
Benzo(a)anthracene
Concen: 47.075 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 1203843

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.2	33.2
229	20.2	15.6	23.4

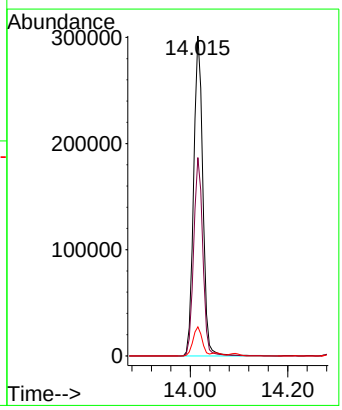


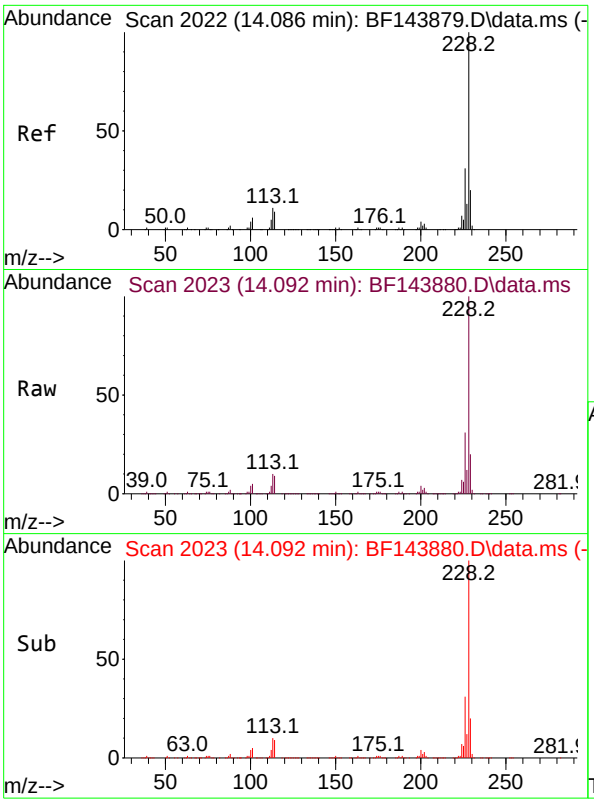


#82
3,3'-Dichlorobenzidine
Concen: 50.214 ng
RT: 14.015 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:252 Resp: 391334

Ion	Ratio	Lower	Upper
252	100		
254	62.0	50.6	76.0
126	9.1	7.0	10.6



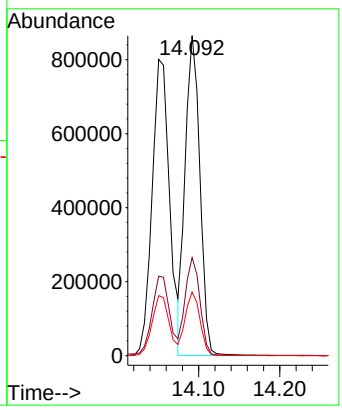


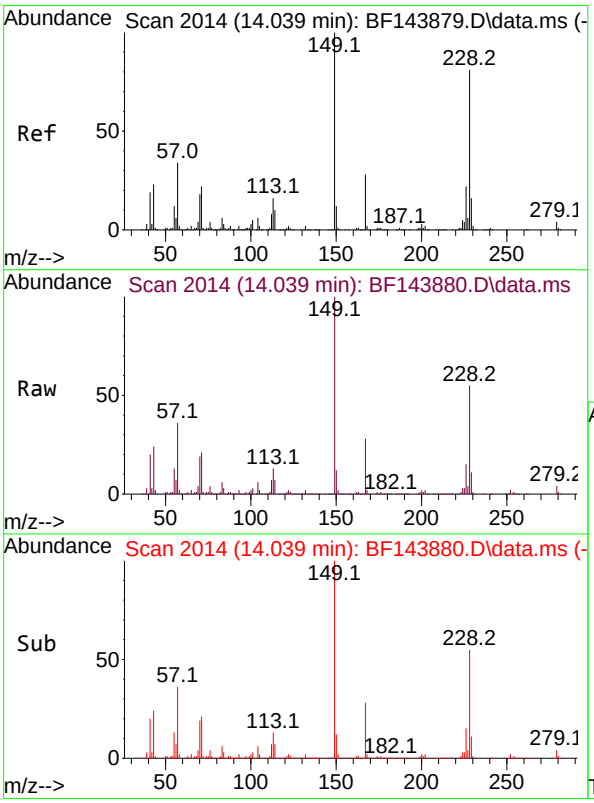
#83
Chrysene
Concen: 46.065 ng
RT: 14.092 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 1090275

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.4	36.6
229	19.9	15.9	23.9

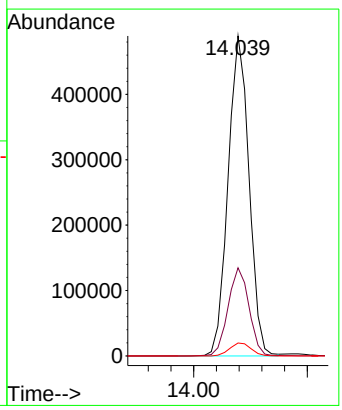


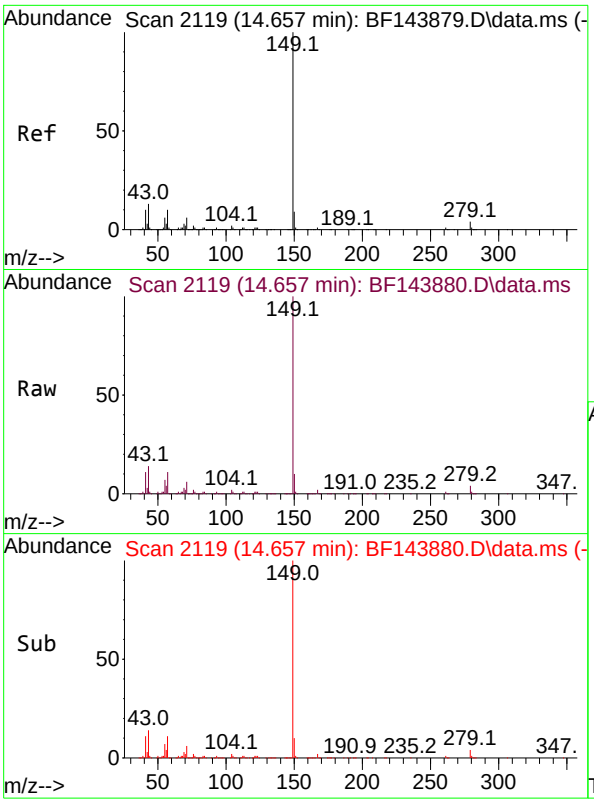


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.146 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:149 Resp: 626818

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.2	33.4
279	4.0	3.1	4.7



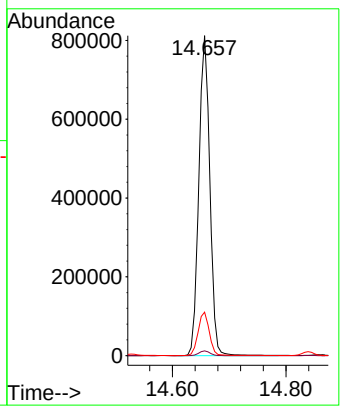


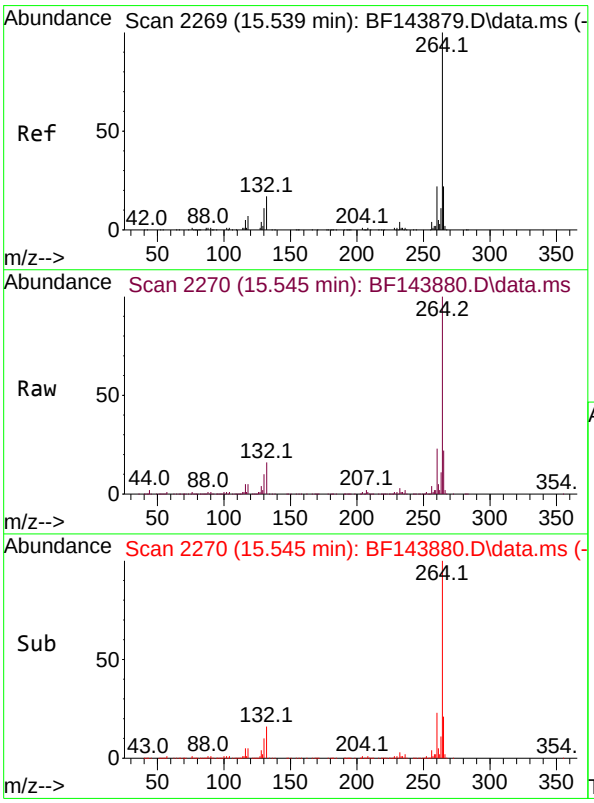
#85
Di-n-octyl phthalate
Concen: 51.691 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 1082833

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	13.9	11.0	16.4

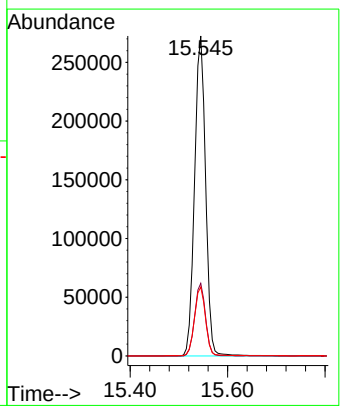


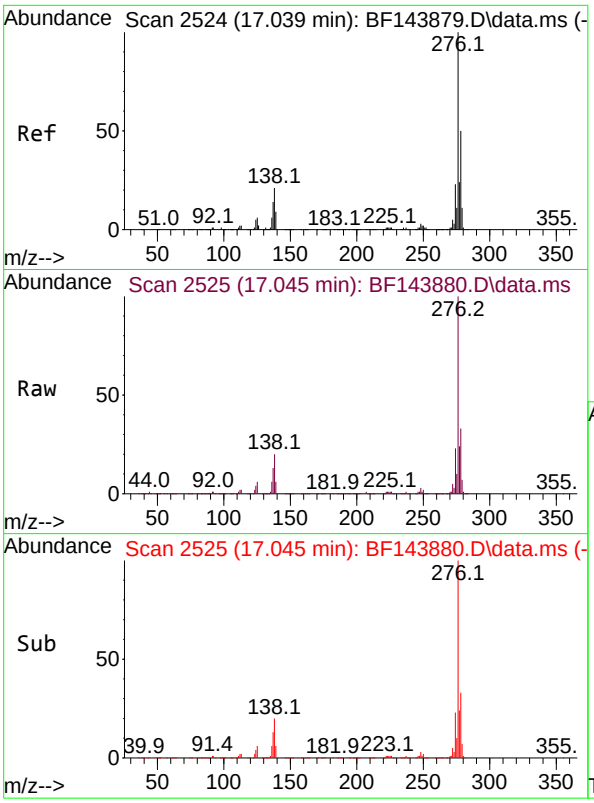


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:264 Resp: 426414

Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.8	26.8
265	21.6	17.5	26.3



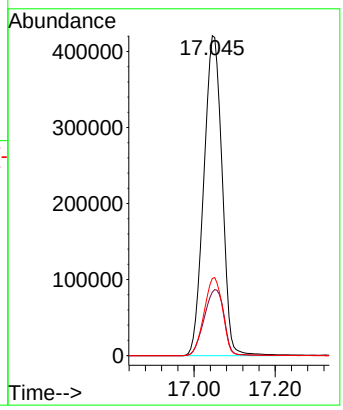


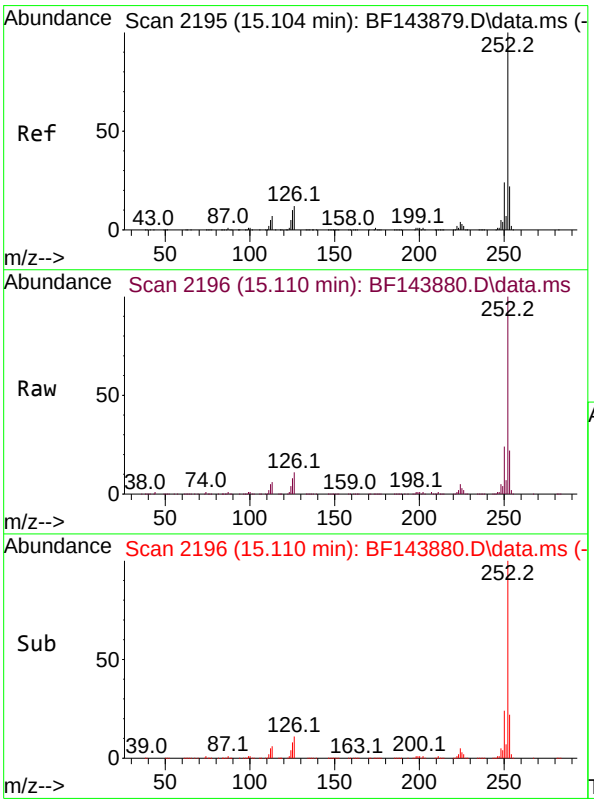
#87
Indeno(1,2,3-cd)pyrene
Concen: 50.373 ng
RT: 17.045 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 1316167

Ion	Ratio	Lower	Upper
276	100		
138	22.6	18.2	27.2
277	24.8	19.8	29.6

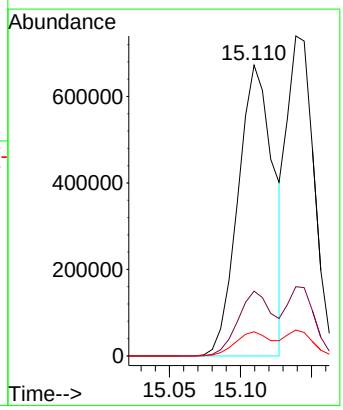


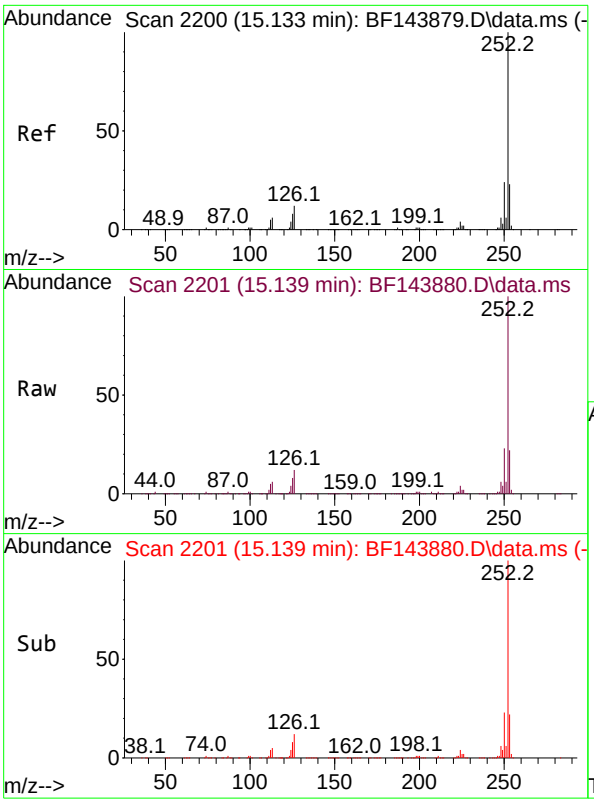


#88
Benzo(b)fluoranthene
Concen: 47.652 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:252 Resp: 1167220

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	8.3	7.8	11.6



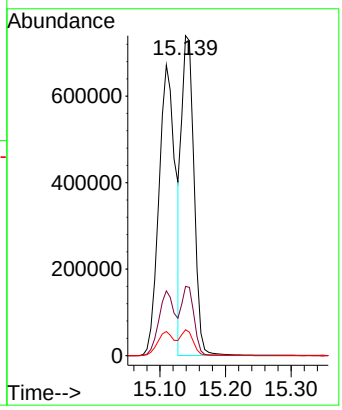


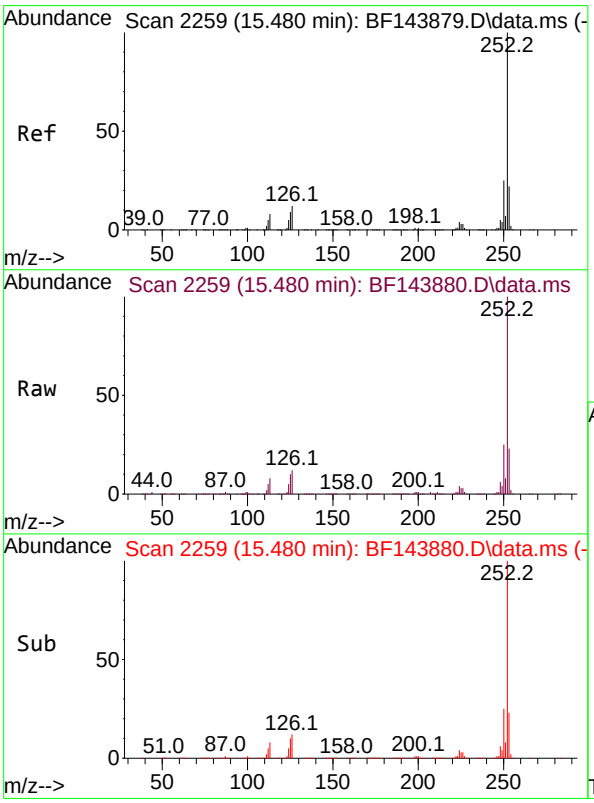
#89
Benzo(k)fluoranthene
Concen: 43.392 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 983488

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.8
125	8.1	7.4	11.2

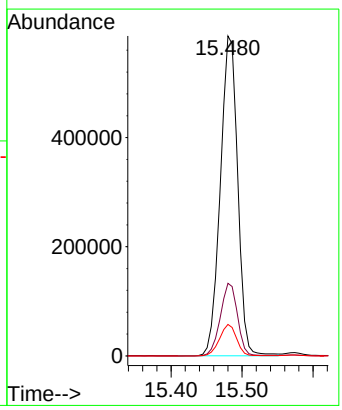


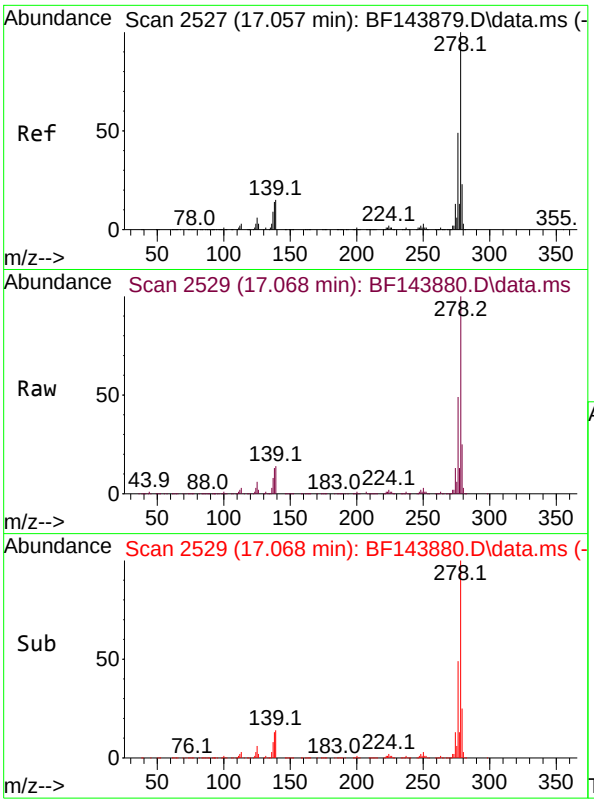


#90
Benzo(a)pyrene
Concen: 46.960 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:252 Resp: 997382

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	9.8	7.0	10.4



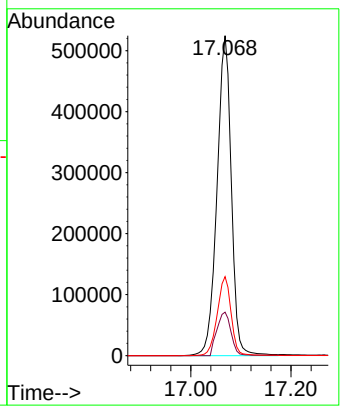


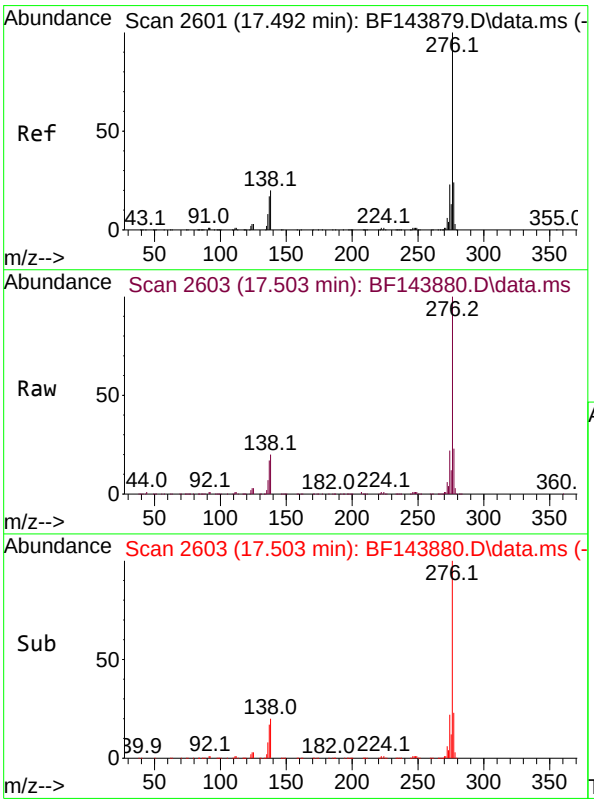
#91
Dibenzo(a,h)anthracene
Concen: 49.457 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 1039281

Ion	Ratio	Lower	Upper
278	100		
139	13.6	11.7	17.5
279	24.7	18.4	27.6

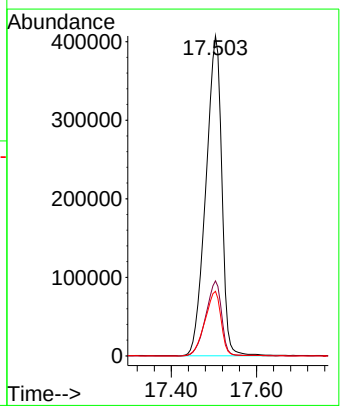




#92
Benzo(g,h,i)perylene
Concen: 50.253 ng
RT: 17.503 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:276 Resp: 1056021

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.0	28.6
138	20.2	16.1	24.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143881.D
Acq On : 06 Oct 2025 13:53
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Oct 06 15:38:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	136069	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	524164	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	286024	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	485489	20.000	ng	0.00
76) Chrysene-d12	14.063	240	287097	20.000	ng	0.00
86) Perylene-d12	15.539	264	309882	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	961239	112.181	ng	0.00
7) Phenol-d6	6.510	99	1132663	110.899	ng	0.00
23) Nitrobenzene-d5	7.451	82	1021762	118.430	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	343442	120.554	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1764203	97.871	ng	0.00
79) Terphenyl-d14	13.004	244	1861234	110.799	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	235125	59.298	ng	98
3) Pyridine	3.410	79	685786	59.411	ng	99
4) n-Nitrosodimethylamine	3.369	42	371223	61.134	ng	96
6) Aniline	6.551	93	870980	56.909	ng	100
8) 2-Chlorophenol	6.669	128	482622	57.621	ng	98
9) Benzaldehyde	6.440	77	567228	71.995	ng	99
10) Phenol	6.528	94	710019	58.149	ng	94
11) bis(2-Chloroethyl)ether	6.622	93	531386	56.337	ng	98
12) 1,3-Dichlorobenzene	6.828	146	541823	54.041	ng	99
13) 1,4-Dichlorobenzene	6.904	146	547027	55.312	ng	100
14) 1,2-Dichlorobenzene	7.051	146	525807	55.507	ng	99
15) Benzyl Alcohol	7.028	79	450578	58.880	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	1202366	56.002	ng	100
17) 2-Methylphenol	7.134	107	402660	58.170	ng	97
18) Hexachloroethane	7.398	117	189228	57.373	ng	97
19) n-Nitroso-di-n-propyla...	7.304	70	383071	54.794	ng	99
20) 3+4-Methylphenols	7.287	107	435782	54.319	ng	94
22) Acetophenone	7.298	105	589502	53.189	ng	98
24) Nitrobenzene	7.469	77	574563	59.969	ng	99
25) Isophorone	7.710	82	1042198	57.290	ng	99
26) 2-Nitrophenol	7.781	139	272450	66.327	ng	99
27) 2,4-Dimethylphenol	7.816	122	437344	59.187	ng	98
28) bis(2-Chloroethoxy)met...	7.916	93	631066	54.917	ng	99
29) 2,4-Dichlorophenol	8.022	162	442749	57.524	ng	98
30) 1,2,4-Trichlorobenzene	8.110	180	428102	56.555	ng	98
31) Naphthalene	8.192	128	1284573	53.874	ng	100
32) Benzoic acid	7.940	122	348955	68.237	ng	97
33) 4-Chloroaniline	8.239	127	504823	56.451	ng	99
34) Hexachlorobutadiene	8.304	225	294507	55.989	ng	98
35) Caprolactam	8.622	113	146970	60.055	ng	97
36) 4-Chloro-3-methylphenol	8.716	107	423904	57.336	ng	99
37) 2-Methylnaphthalene	8.881	142	838837	52.814	ng	100
38) 1-Methylnaphthalene	8.981	142	822755	53.405	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	445714	56.382	ng	98
41) Hexachlorocyclopentadiene	9.034	237	205978	62.806	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	338809	58.657	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143881.D
Acq On : 06 Oct 2025 13:53
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Oct 06 15:38:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

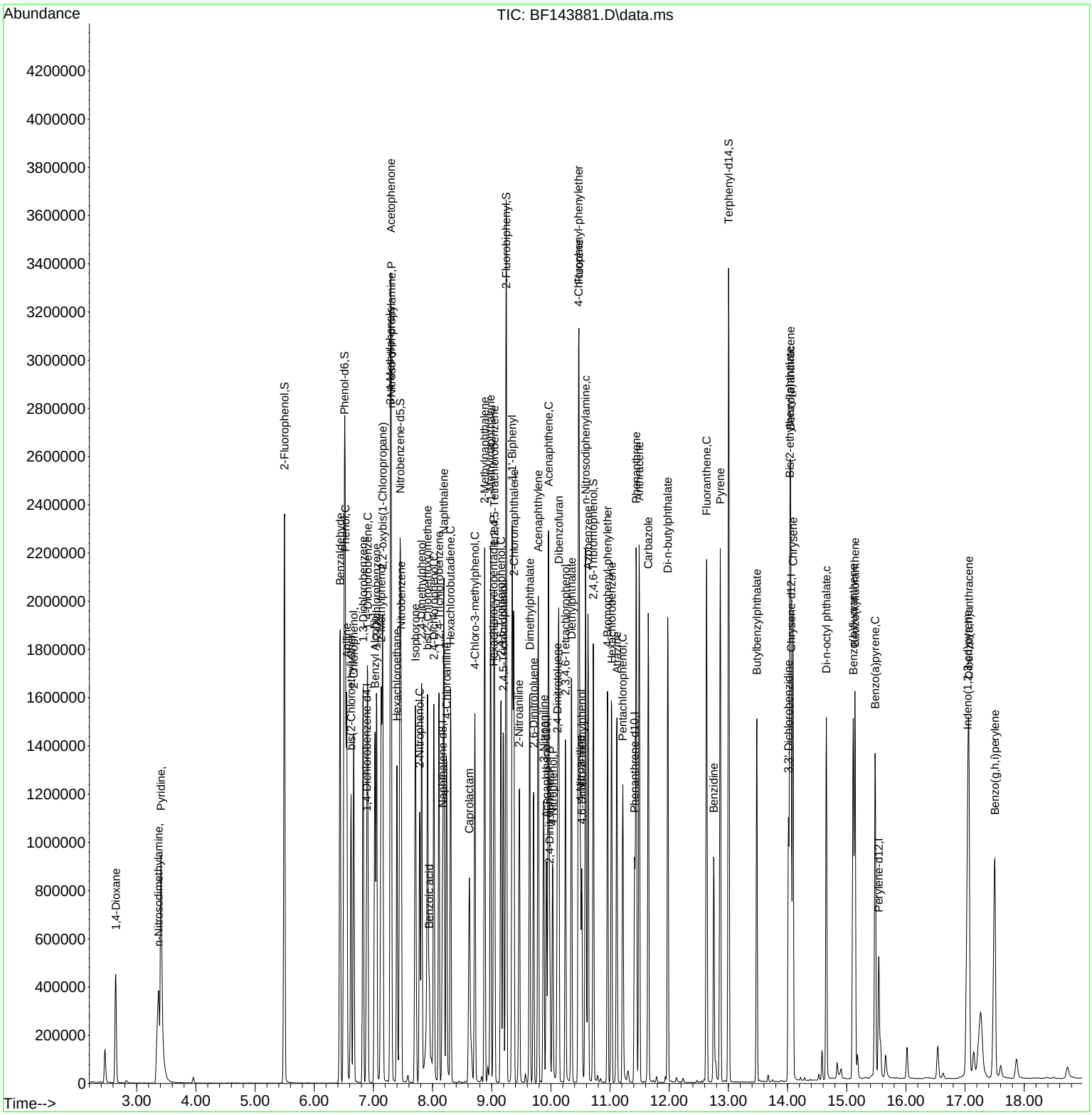
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	345605	56.620	ng		98
46) 1,1'-Biphenyl	9.345	154	1004440	53.040	ng		99
47) 2-Chloronaphthalene	9.375	162	860999	54.531	ng		98
48) 2-Nitroaniline	9.463	65	312884	62.679	ng		99
49) Acenaphthylene	9.786	152	1223951	55.140	ng		99
50) Dimethylphthalate	9.645	163	1031391	56.783	ng		100
51) 2,6-Dinitrotoluene	9.710	165	214169	63.587	ng		99
52) Acenaphthene	9.963	154	801773	55.124	ng		99
53) 3-Nitroaniline	9.881	138	255984	62.070	ng		96
54) 2,4-Dinitrophenol	9.981	184	123295	61.138	ng		95
55) Dibenzofuran	10.133	168	1111183	54.120	ng		99
56) 4-Nitrophenol	10.034	139	195321	62.550	ng		92
57) 2,4-Dinitrotoluene	10.110	165	297018	64.812	ng		97
58) Fluorene	10.475	166	791518	51.090	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.245	232	264796	61.283	ng	#	97
60) Diethylphthalate	10.351	149	948580	56.214	ng		99
61) 4-Chlorophenyl-phenyle...	10.469	204	433339	52.905	ng		97
62) 4-Nitroaniline	10.498	138	247024	62.288	ng		98
63) Azobenzene	10.628	77	992054	56.252	ng		98
65) 4,6-Dinitro-2-methylph...	10.522	198	166740	68.344	ng		99
66) n-Nitrosodiphenylamine	10.586	169	850570	55.797	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	302165	56.317	ng		98
68) Hexachlorobenzene	11.028	284	356406	57.378	ng		97
69) Atrazine	11.116	200	257412	55.713	ng		98
70) Pentachlorophenol	11.216	266	224011	62.792	ng		99
71) Phenanthrene	11.439	178	1270063	53.961	ng		99
72) Anthracene	11.492	178	1282940	53.956	ng		99
73) Carbazole	11.645	167	1170717	55.592	ng		99
74) Di-n-butylphthalate	11.975	149	1389569	56.934	ng		100
75) Fluoranthene	12.633	202	1325716	54.530	ng		99
77) Benzidine	12.751	184	551394	55.312	ng		98
78) Pyrene	12.863	202	1359513	56.800	ng		99
80) Butylbenzylphthalate	13.480	149	476448	61.293	ng		98
81) Benzo(a)anthracene	14.051	228	1111626	59.168	ng		99
82) 3,3'-Dichlorobenzidine	14.016	252	347863	60.756	ng		99
83) Chrysene	14.092	228	969765	55.770	ng		100
84) Bis(2-ethylhexyl)phtha...	14.039	149	579121	61.804	ng		99
85) Di-n-octyl phthalate	14.657	149	991597	64.431	ng		99
87) Indeno(1,2,3-cd)pyrene	17.045	276	1173726	61.815	ng		100
88) Benzo(b)fluoranthene	15.110	252	1117484	62.778	ng		99
89) Benzo(k)fluoranthene	15.139	252	855988	51.969	ng		99
90) Benzo(a)pyrene	15.480	252	901585	58.412	ng		98
91) Dibenzo(a,h)anthracene	17.062	278	935987	61.291	ng		98
92) Benzo(g,h,i)perylene	17.504	276	946452	61.976	ng		98

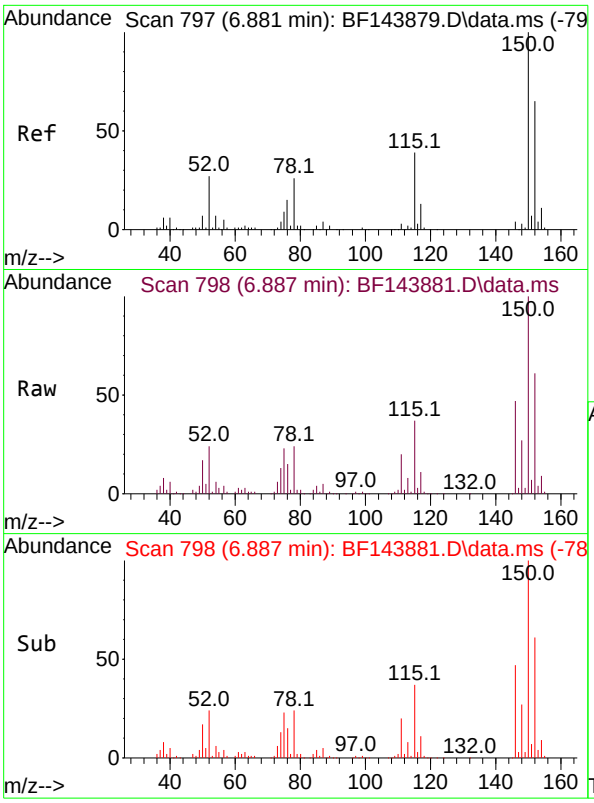
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143881.D
Acq On : 06 Oct 2025 13:53
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Oct 06 15:38:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



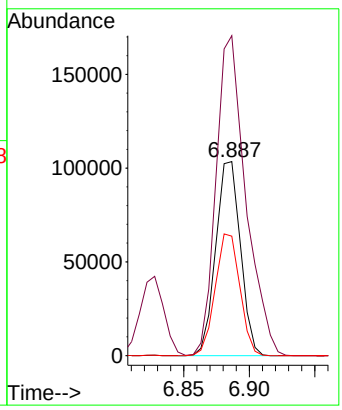


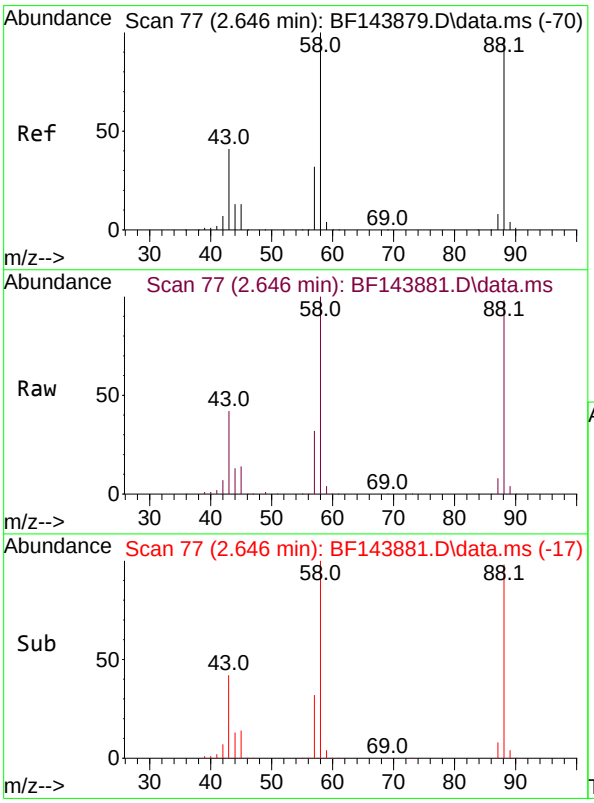
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 79
Delta R.T. 0.001 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 136069

Ion	Ratio	Lower	Upper
152	100		
150	165.0	124.4	186.6
115	61.6	48.1	72.1

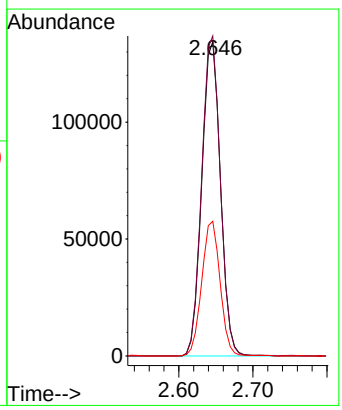


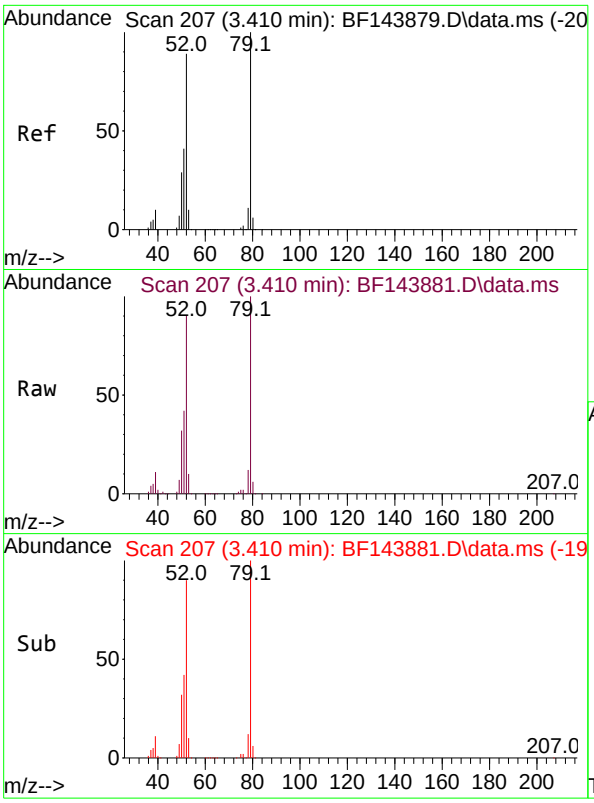


#2
1,4-Dioxane
Concen: 59.298 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion: 88 Resp: 235125

Ion	Ratio	Lower	Upper
88	100		
58	101.8	83.0	124.6
43	42.1	33.9	50.9



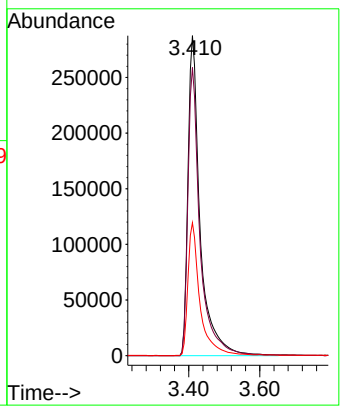


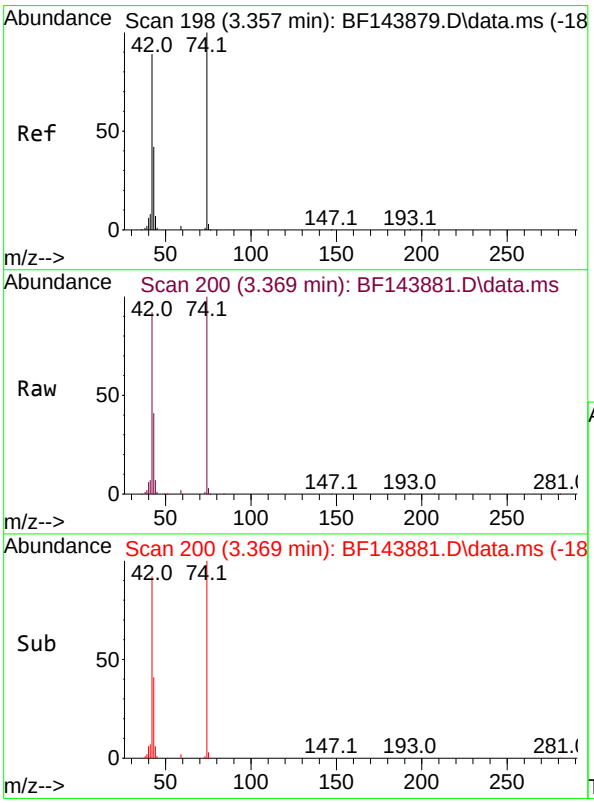
#3
Pyridine
Concen: 59.411 ng
RT: 3.410 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 685786

Ion	Ratio	Lower	Upper
79	100		
52	90.0	71.5	107.3
51	41.5	32.9	49.3

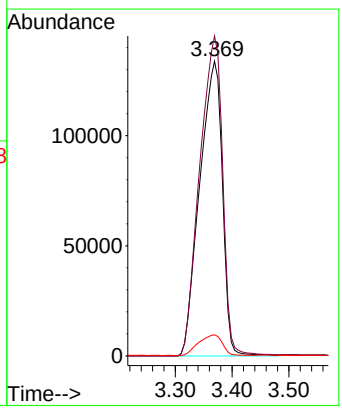


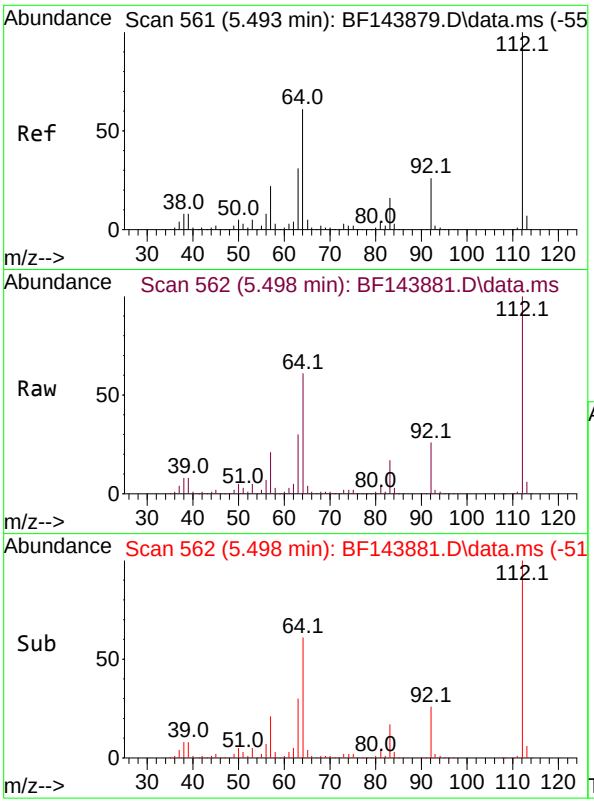


#4
n-Nitrosodimethylamine
Concen: 61.134 ng
RT: 3.369 min Scan# 200
Delta R.T. -0.017 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion: 42 Resp: 371223

Ion	Ratio	Lower	Upper
42	100		
74	108.6	90.0	135.0
44	7.1	6.2	9.2



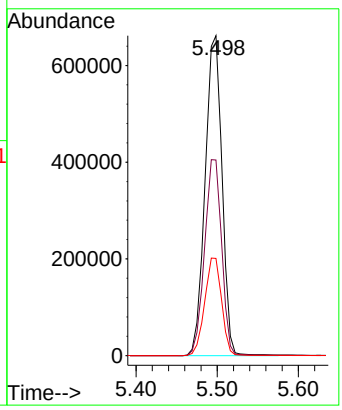


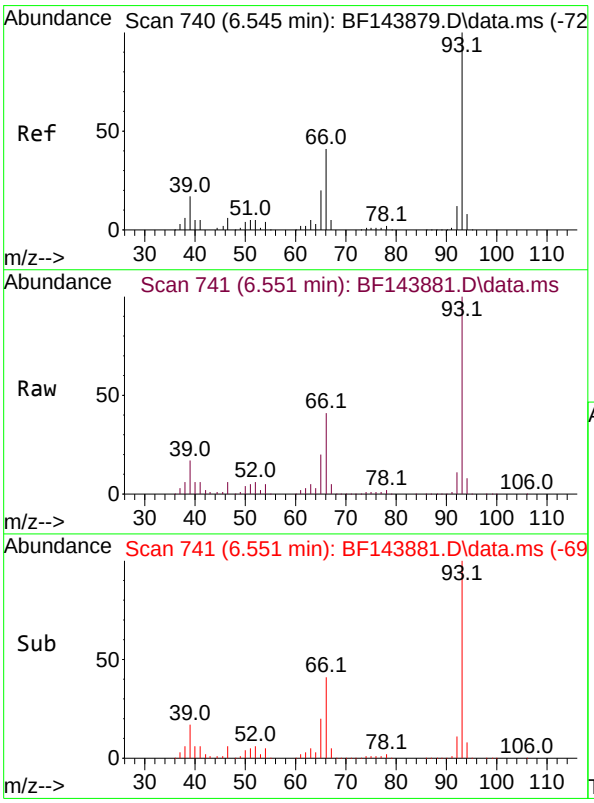
#5
2-Fluorophenol
Concen: 112.181 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 961239

Ion	Ratio	Lower	Upper
112	100		
64	61.1	49.1	73.7
63	30.4	24.5	36.7

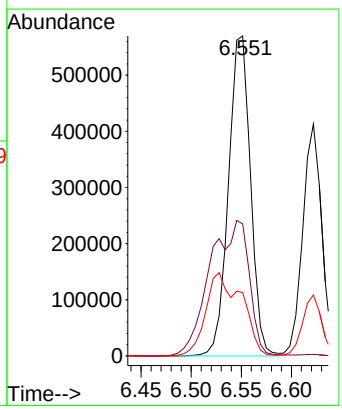


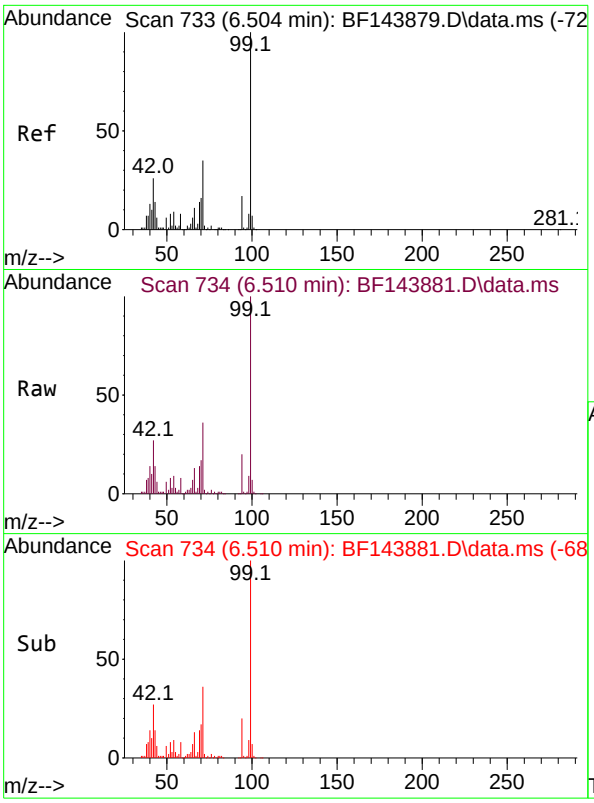


#6
Aniline
Concen: 56.909 ng
RT: 6.551 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion: 93 Resp: 870980

Ion	Ratio	Lower	Upper
93	100		
66	41.2	33.0	49.6
65	19.8	15.8	23.8



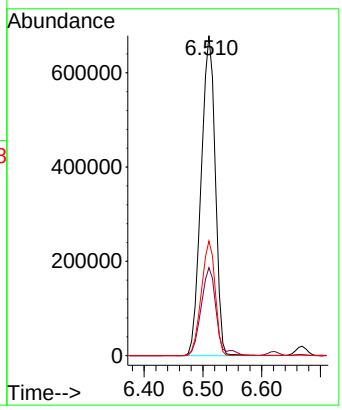


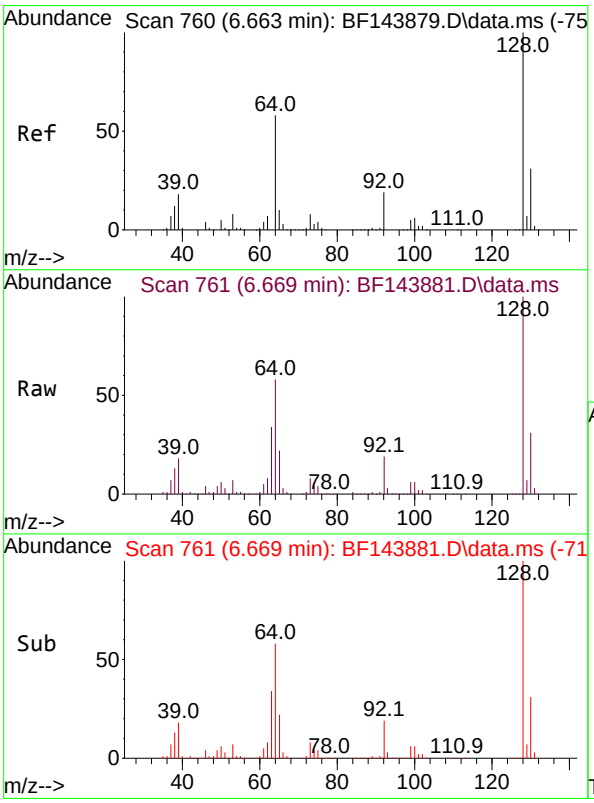
#7
Phenol-d6
Concen: 110.899 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 1132663

Ion	Ratio	Lower	Upper
99	100		
42	27.5	21.0	31.4
71	35.8	27.8	41.8

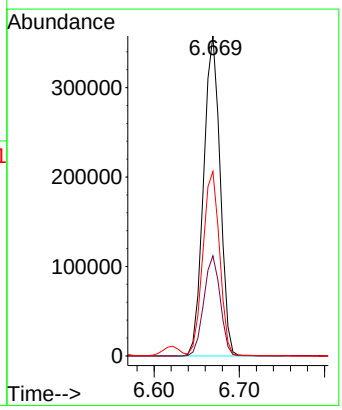


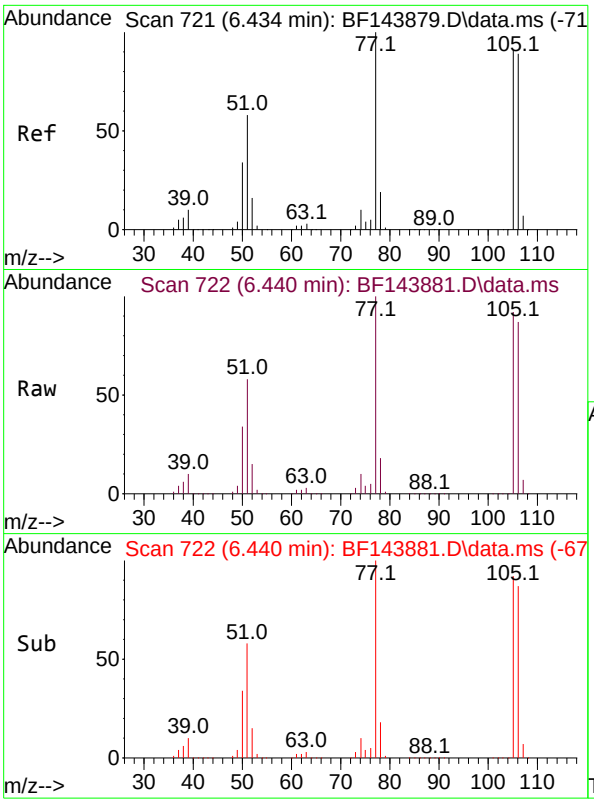


#8
2-Chlorophenol
Concen: 57.621 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:128 Resp: 482622

Ion	Ratio	Lower	Upper
128	100		
130	31.3	10.7	50.7
64	57.6	39.0	79.0



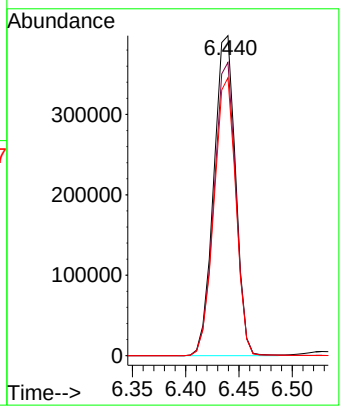


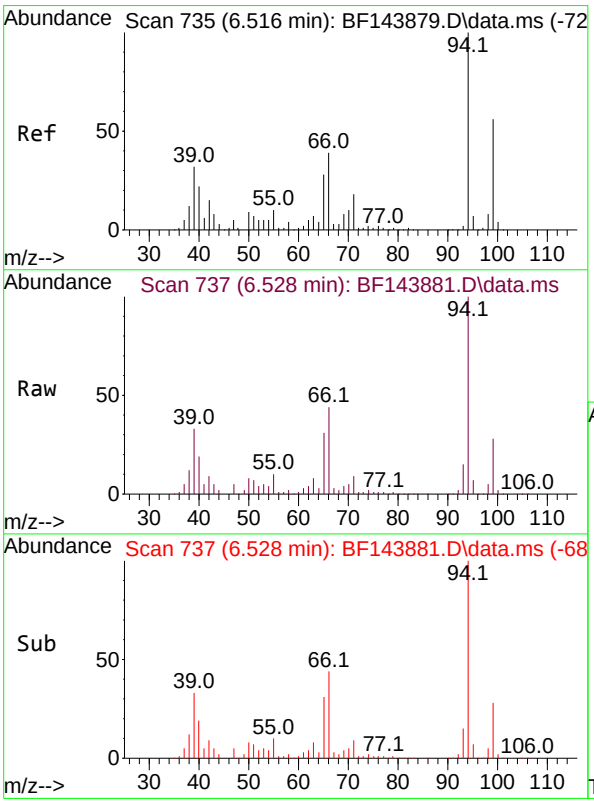
#9
Benzaldehyde
Concen: 71.995 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 567228

Ion	Ratio	Lower	Upper
77	100		
105	91.6	70.9	110.9
106	86.8	68.9	108.9

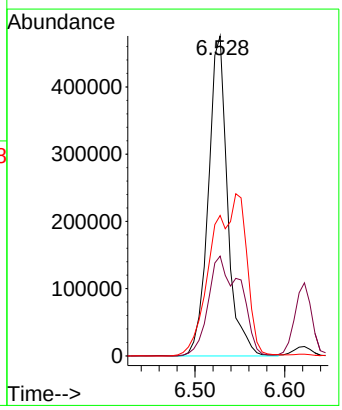


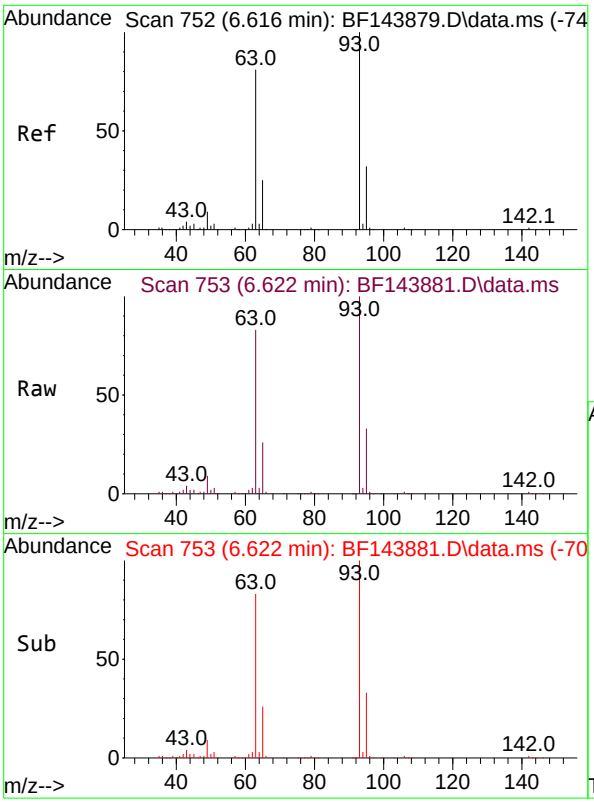


#10
Phenol
Concen: 58.149 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion: 94 Resp: 710019

Ion	Ratio	Lower	Upper
94	100		
65	31.2	8.5	48.5
66	43.9	19.9	59.9



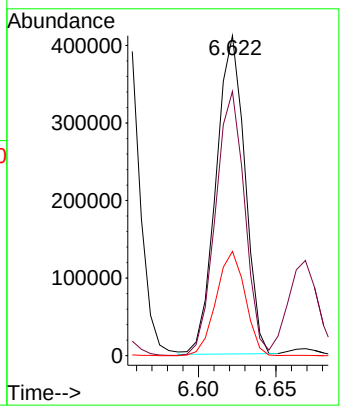


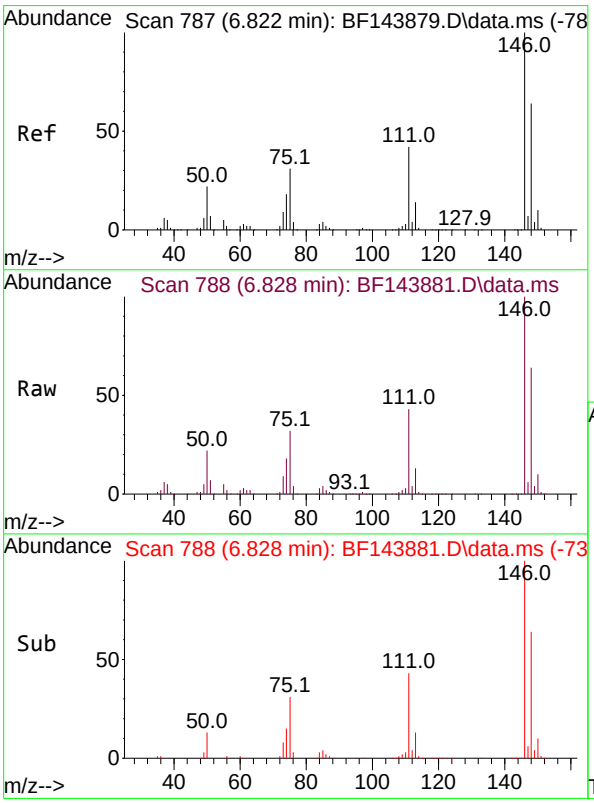
#11
bis(2-Chloroethyl)ether
Concen: 56.337 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 531386

Ion	Ratio	Lower	Upper
93	100		
63	82.6	60.9	100.9
95	32.6	11.5	51.5

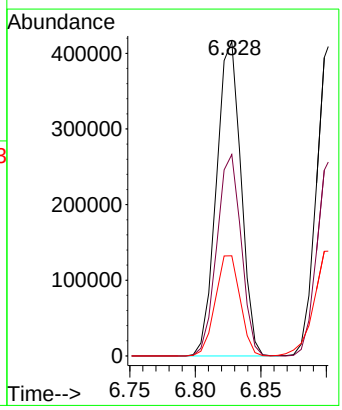


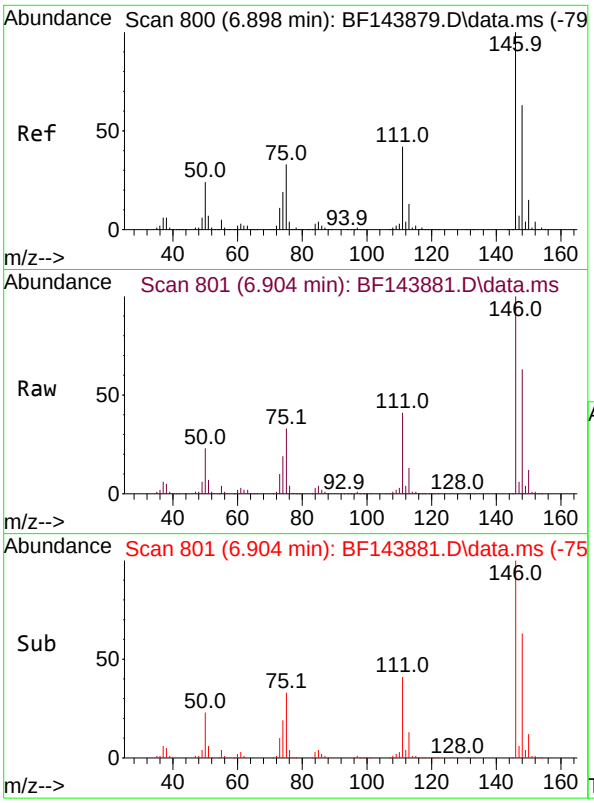


#12
1,3-Dichlorobenzene
Concen: 54.041 ng
RT: 6.828 min Scan# 788
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:146 Resp: 541823

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.4
75	31.8	24.9	37.3



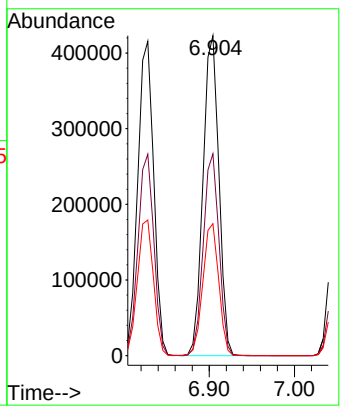


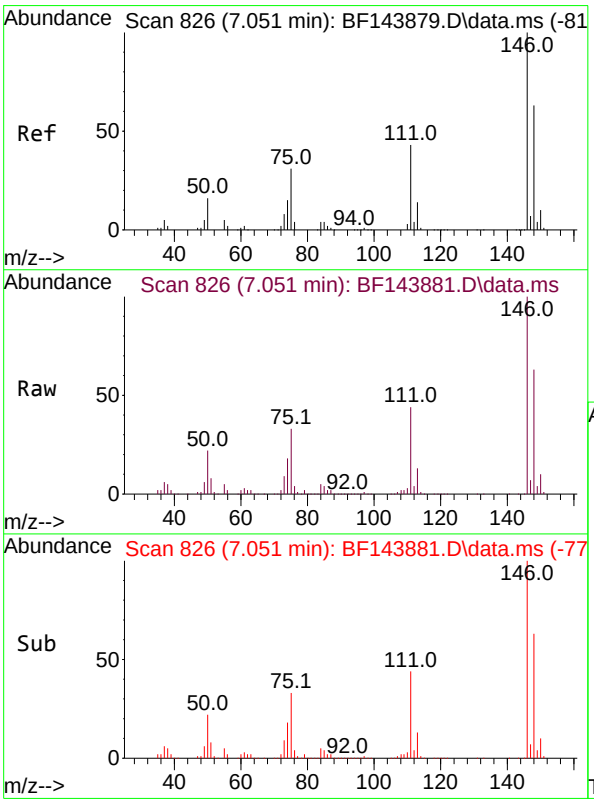
#13
1,4-Dichlorobenzene
Concen: 55.312 ng
RT: 6.904 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 547027

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
111	41.2	33.4	50.0

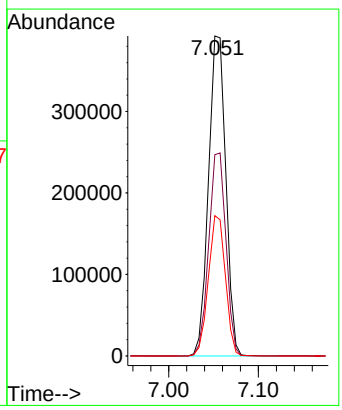


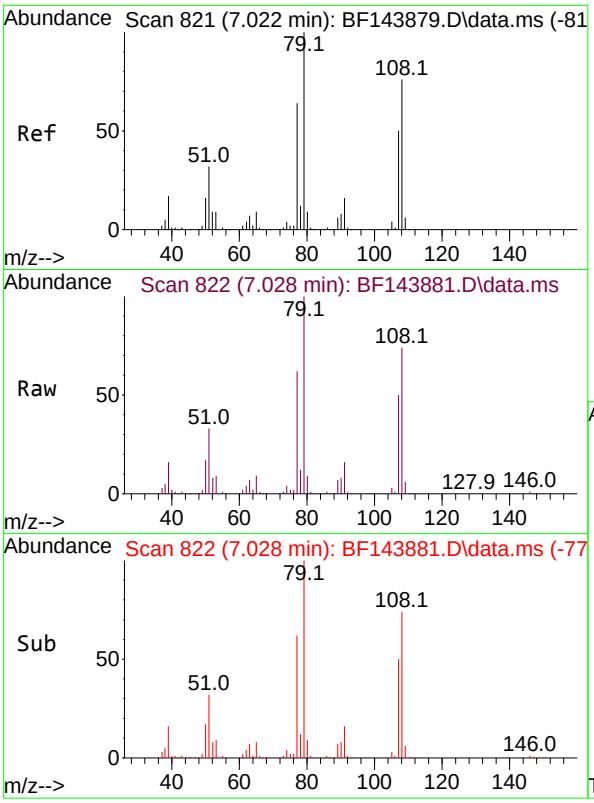


#14
1,2-Dichlorobenzene
Concen: 55.507 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:146 Resp: 525807

Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.6	75.8
111	43.8	34.6	51.8



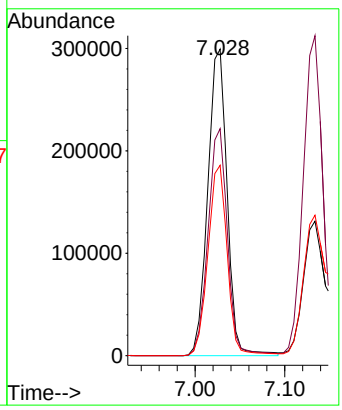


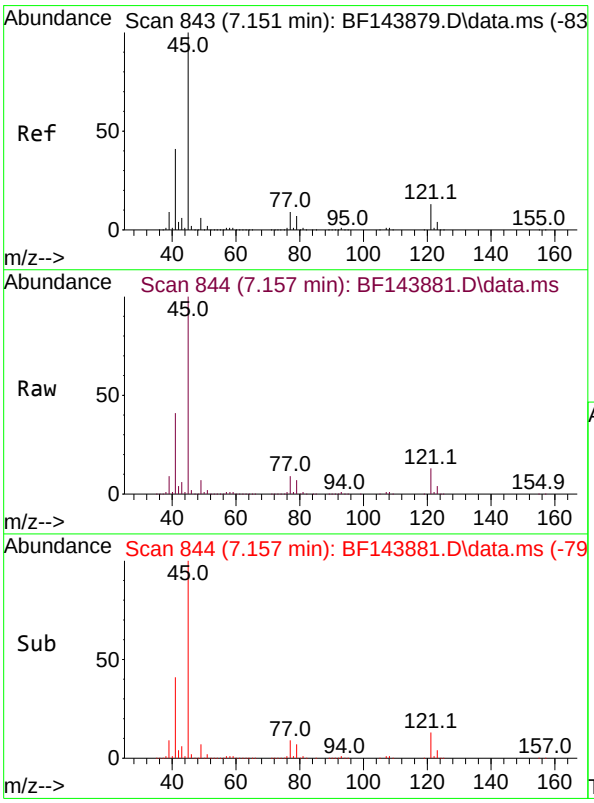
#15
Benzyl Alcohol
Concen: 58.880 ng
RT: 7.028 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 450578

Ion	Ratio	Lower	Upper
79	100		
108	74.1	60.8	91.2
77	62.1	51.0	76.6

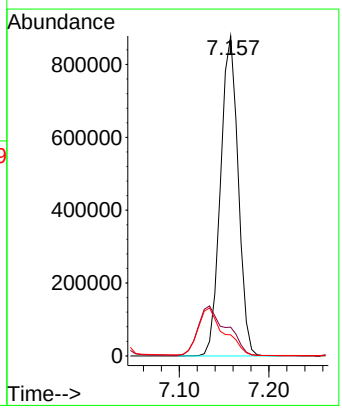


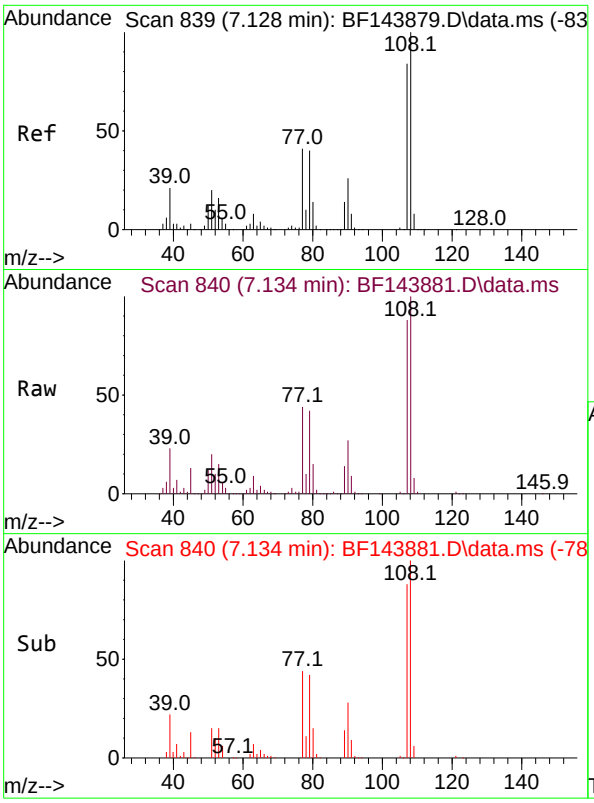


#16
2,2'-oxybis(1-Chloropropane)
Concen: 56.002 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion: 45 Resp: 1202366

Ion	Ratio	Lower	Upper
45	100		
77	9.0	0.0	29.0
79	6.6	0.0	26.8



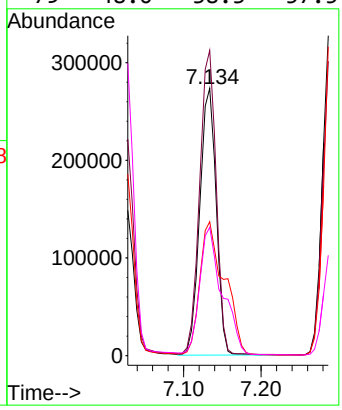


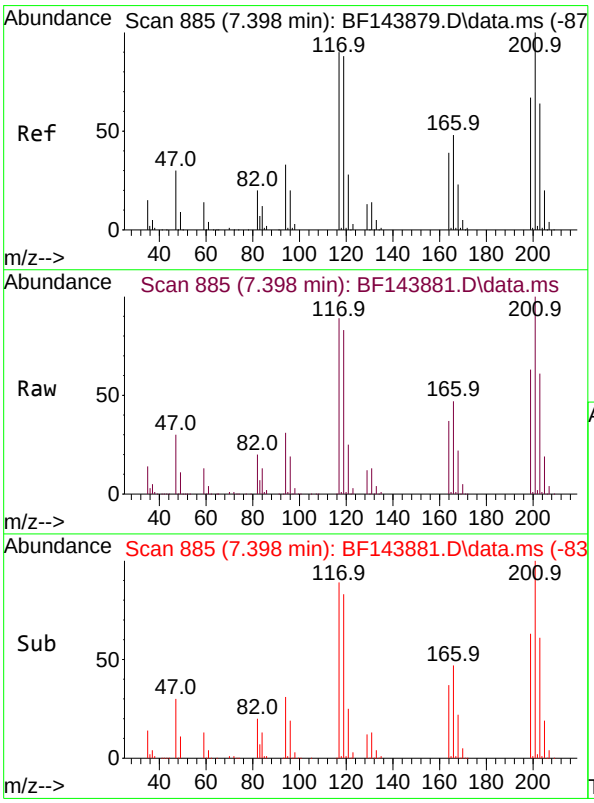
#17
2-Methylphenol
Concen: 58.170 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 402660

Ion	Ratio	Lower	Upper
107	100		
108	114.2	94.7	142.1
77	50.1	38.8	58.2
79	48.0	38.3	57.5

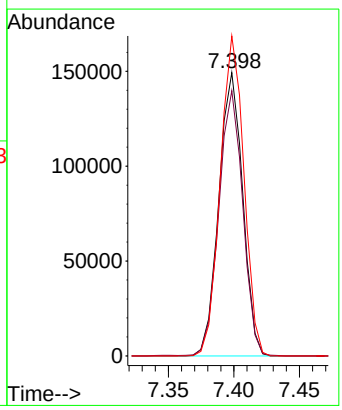


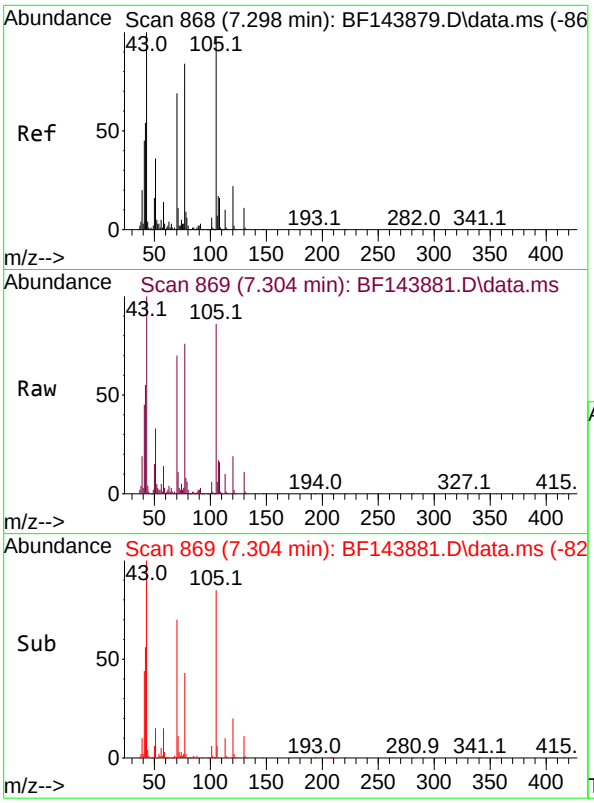


#18
Hexachloroethane
Concen: 57.373 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:117 Resp: 189228

Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.8	116.8
201	112.9	88.5	132.7



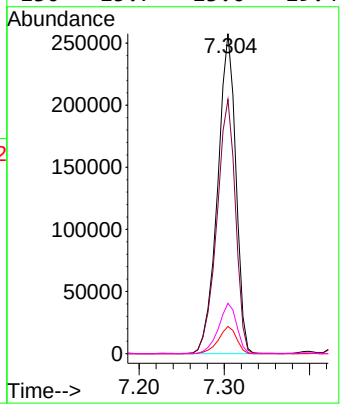


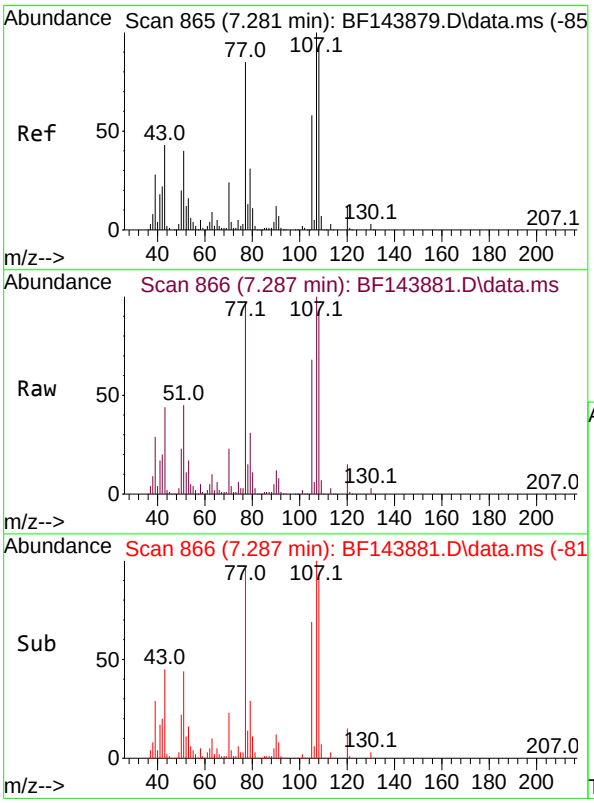
#19
n-Nitroso-di-n-propylamine
Concen: 54.794 ng
RT: 7.304 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 383071

Ion	Ratio	Lower	Upper
70	100		
42	79.4	62.8	94.2
101	8.5	6.7	10.1
130	15.7	13.0	19.4

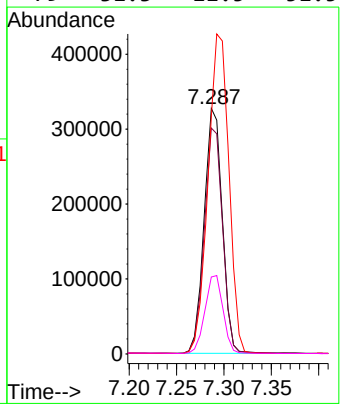


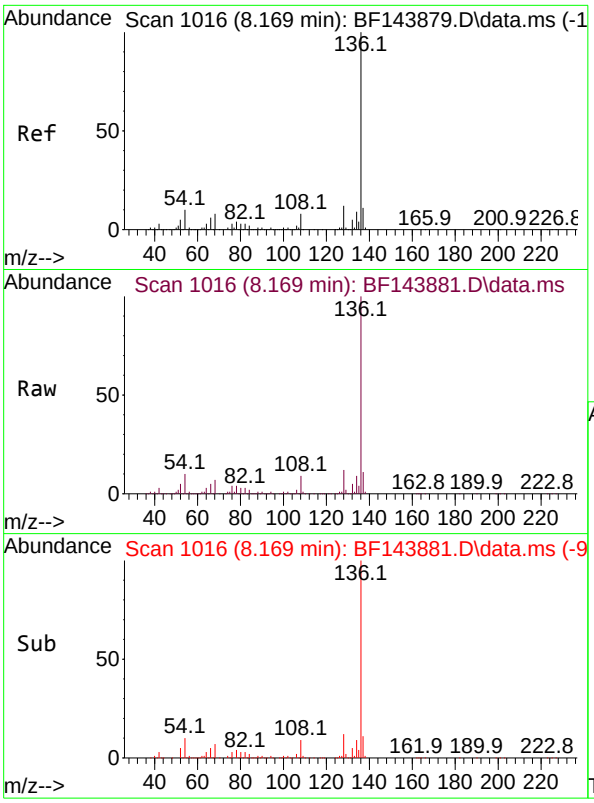


#20
3+4-Methylphenols
Concen: 54.319 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:107 Resp: 435782

Ion	Ratio	Lower	Upper
107	100		
108	92.0	73.0	113.0
77	96.5	64.6	104.6
79	31.3	11.5	51.5



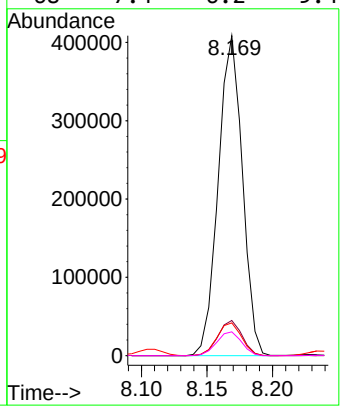


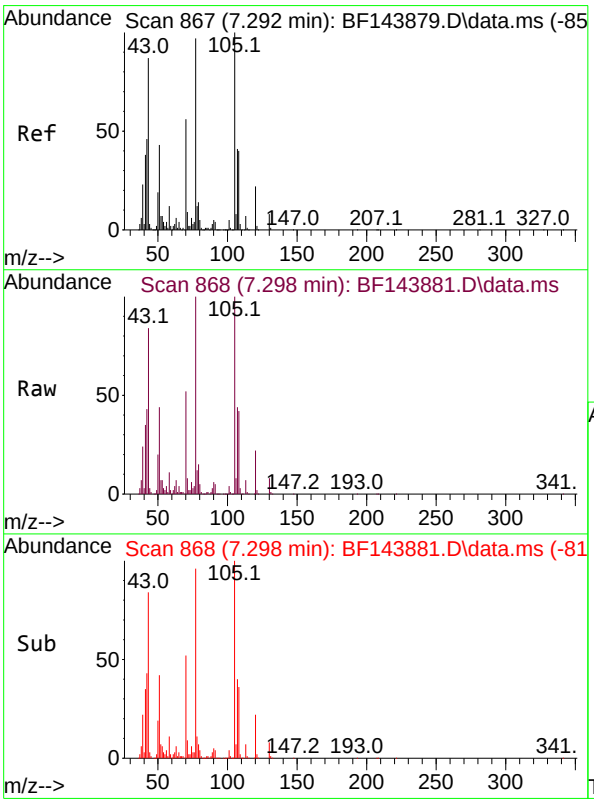
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 524164

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	10.2	8.2	12.4
68	7.4	6.2	9.4

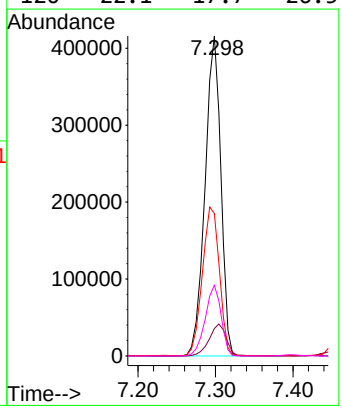


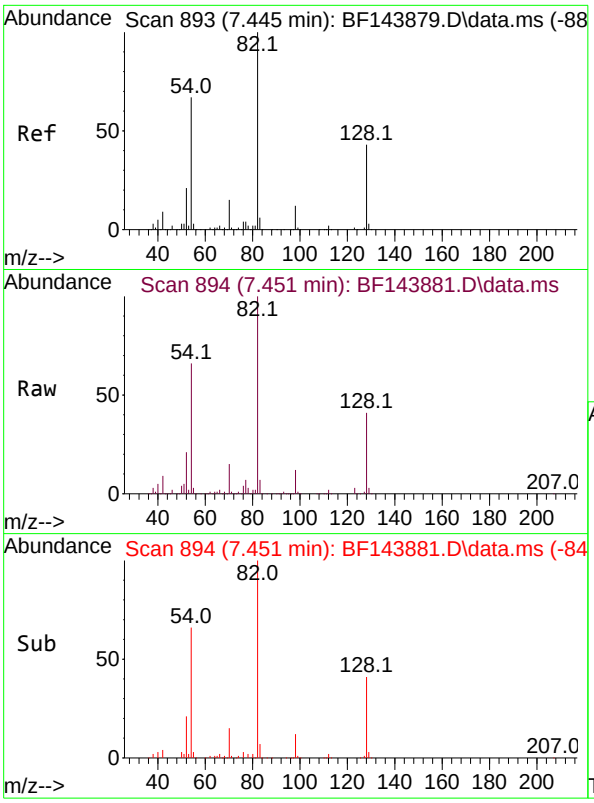


#22
Acetophenone
Concen: 53.189 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:105 Resp: 589502

Ion	Ratio	Lower	Upper
105	100		
71	8.5	7.4	11.0
51	44.5	34.2	51.4
120	22.1	17.7	26.5



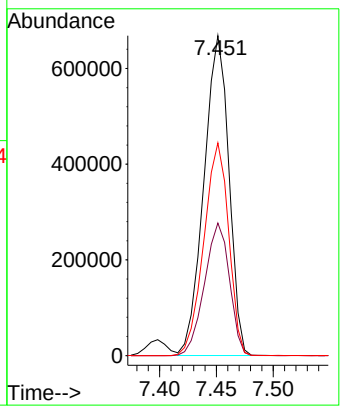


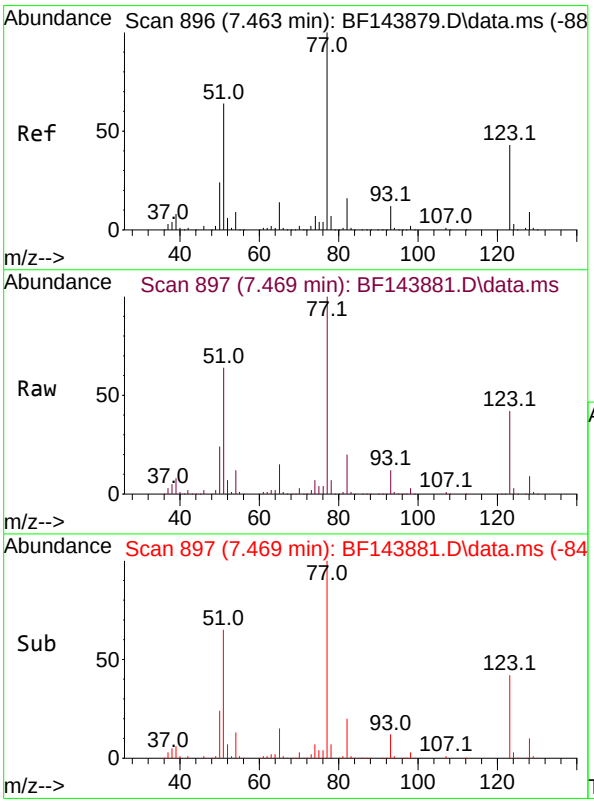
#23
Nitrobenzene-d5
Concen: 118.430 ng
RT: 7.451 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1021762

Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.0	51.0
54	66.5	53.2	79.8

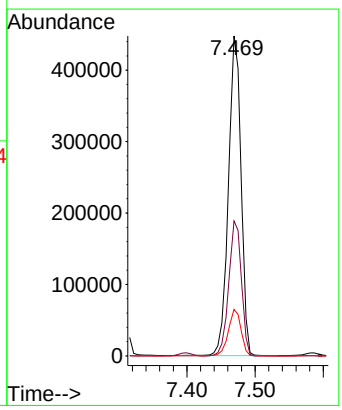


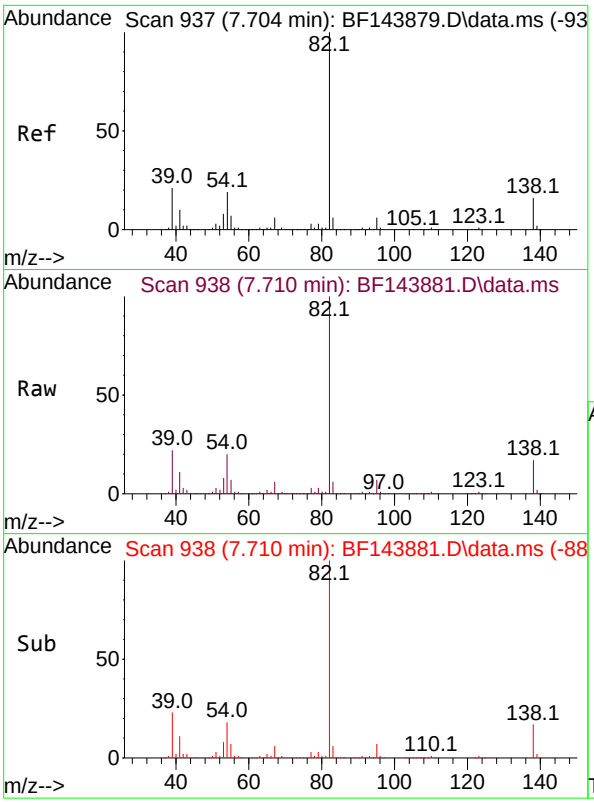


#24
Nitrobenzene
Concen: 59.969 ng
RT: 7.469 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion: 77 Resp: 574563

Ion	Ratio	Lower	Upper
77	100		
123	42.2	34.2	51.4
65	14.5	11.0	16.6



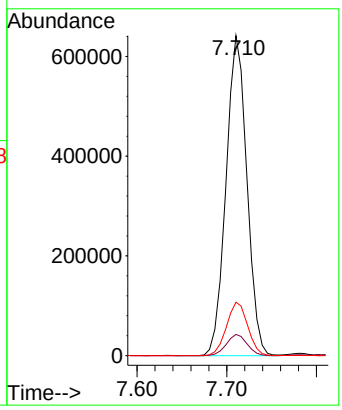


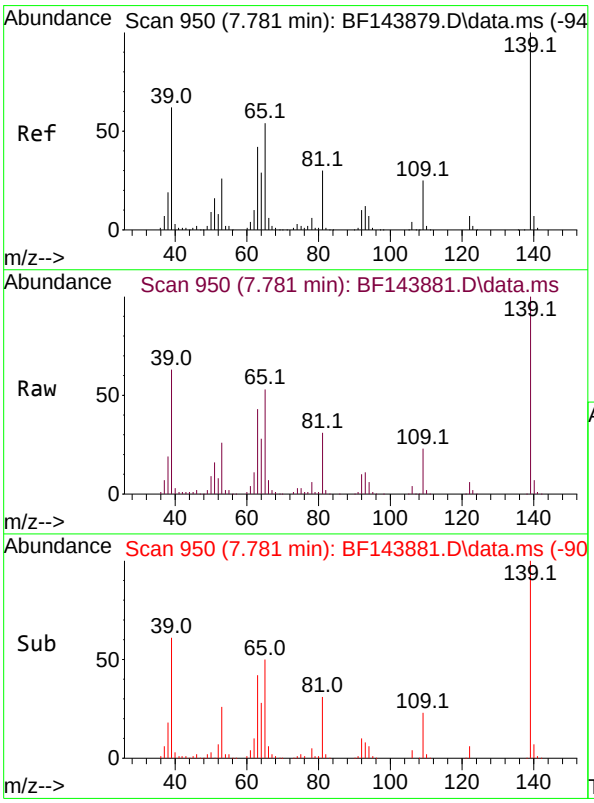
#25
Isophorone
Concen: 57.290 ng
RT: 7.710 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1042198

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.1	7.7
138	16.7	12.9	19.3

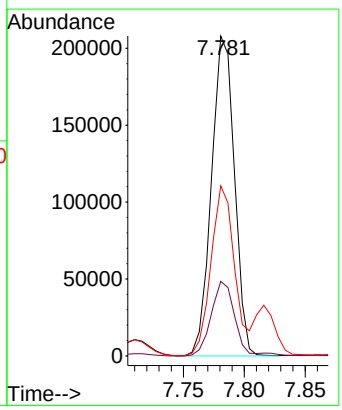


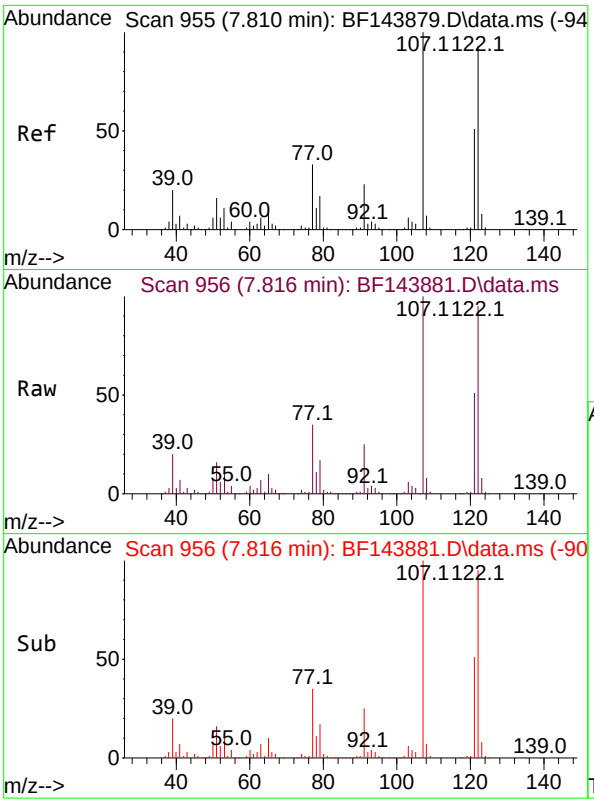


#26
2-Nitrophenol
Concen: 66.327 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:139 Resp: 272450

Ion	Ratio	Lower	Upper
139	100		
109	23.3	19.8	29.6
65	53.1	42.9	64.3



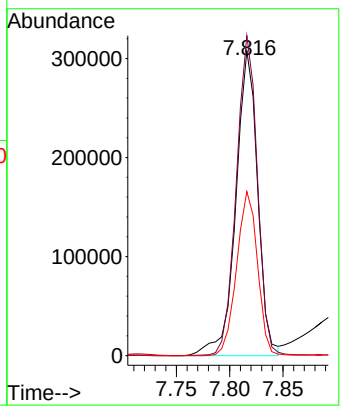


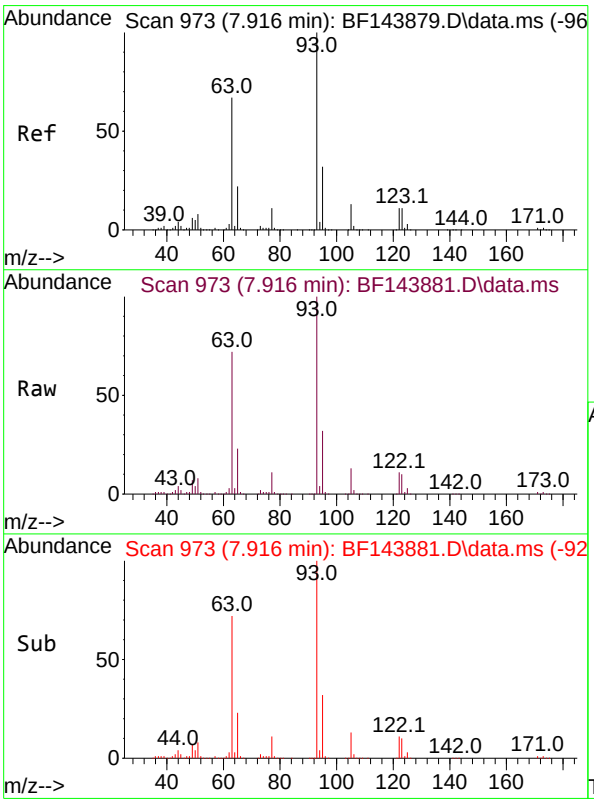
#27
2,4-Dimethylphenol
Concen: 59.187 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 437344

Ion	Ratio	Lower	Upper
122	100		
107	105.0	86.1	129.1
121	53.8	43.8	65.6

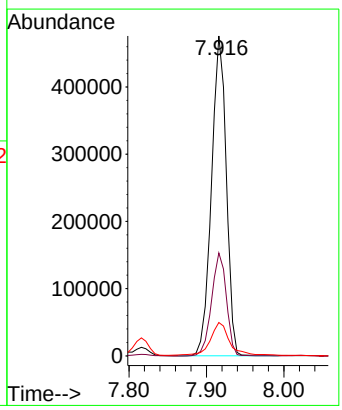


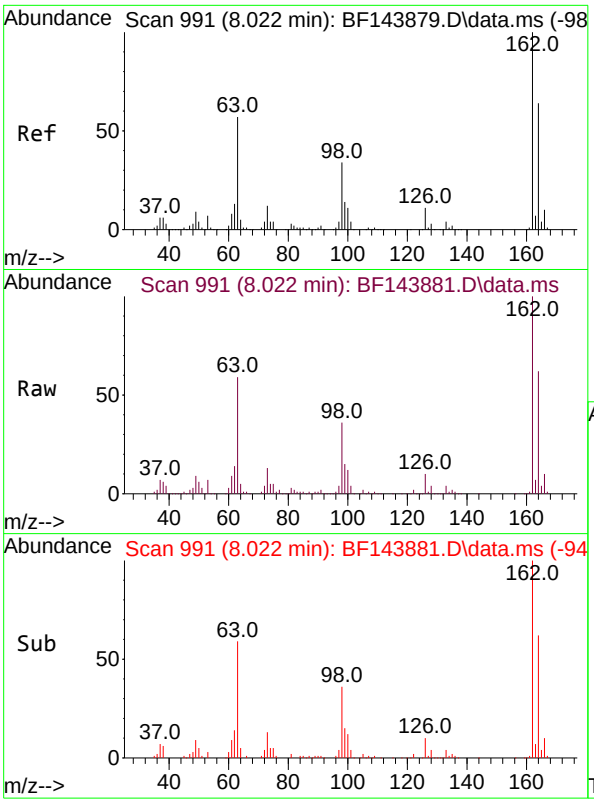


#28
bis(2-Chloroethoxy)methane
Concen: 54.917 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion: 93 Resp: 631066

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.9	38.9
123	10.4	9.4	14.0



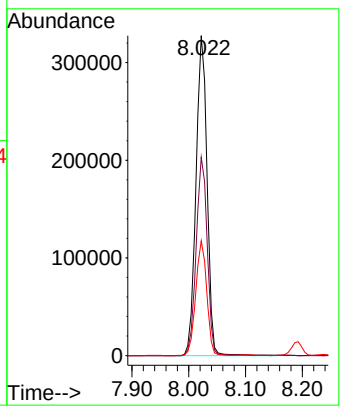


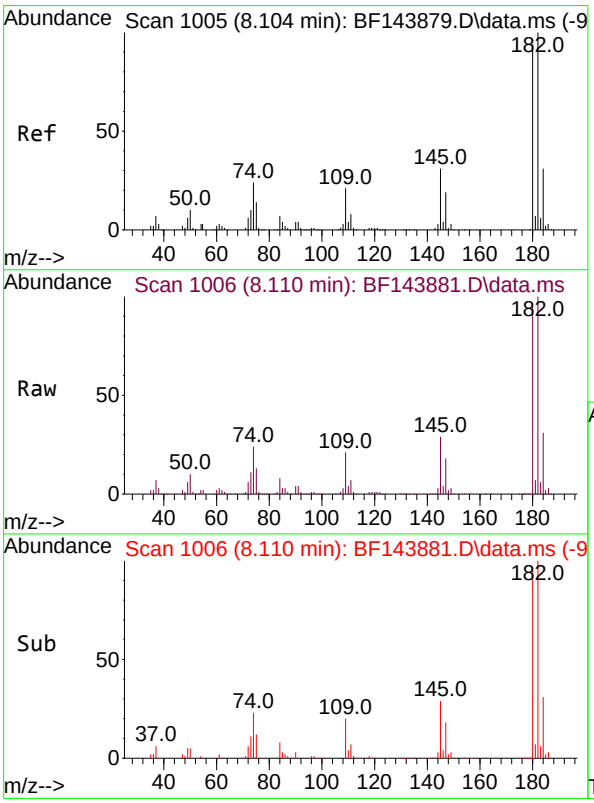
#29
2,4-Dichlorophenol
Concen: 57.524 ng
RT: 8.022 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 442749

Ion	Ratio	Lower	Upper
162	100		
164	62.0	43.9	83.9
98	35.9	14.4	54.4

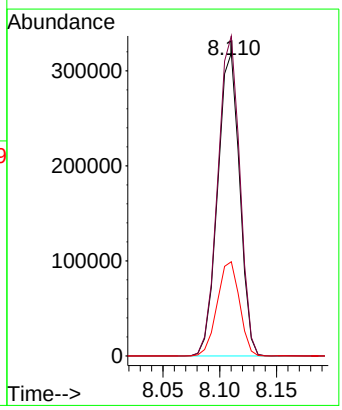


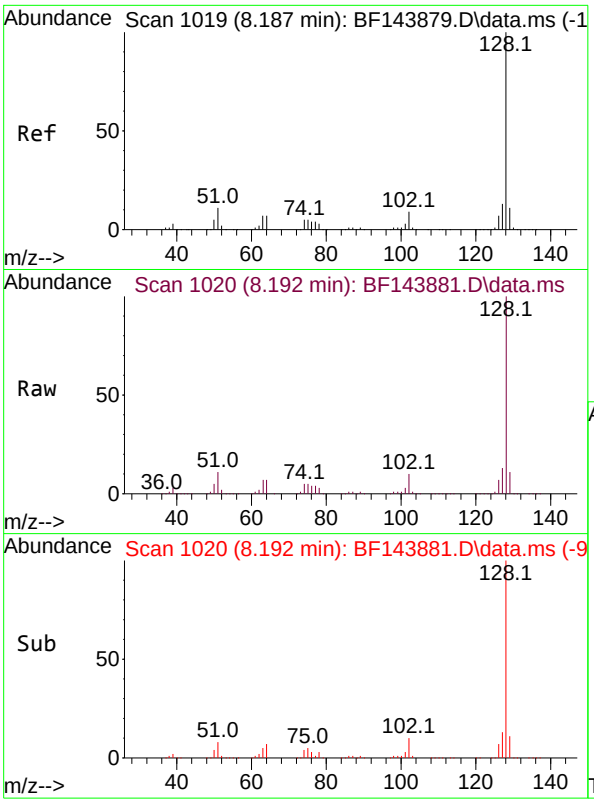


#30
1,2,4-Trichlorobenzene
Concen: 56.555 ng
RT: 8.110 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:180 Resp: 428102

Ion	Ratio	Lower	Upper
180	100		
182	105.7	85.4	128.0
145	31.1	26.3	39.5



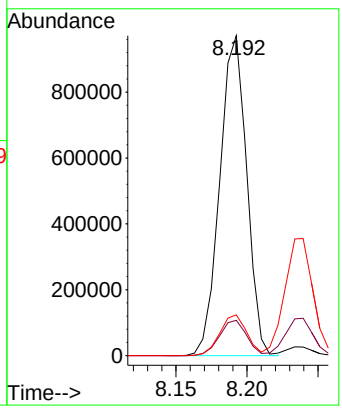


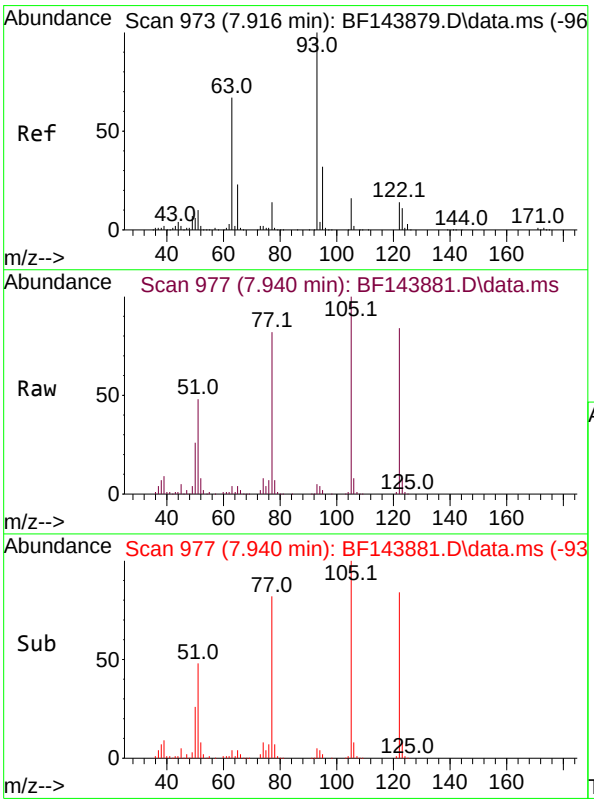
#31
Naphthalene
Concen: 53.874 ng
RT: 8.192 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 1284573

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	12.7	10.0	15.0

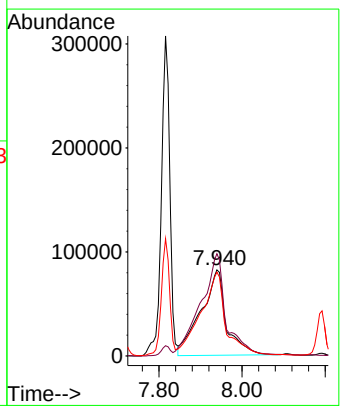


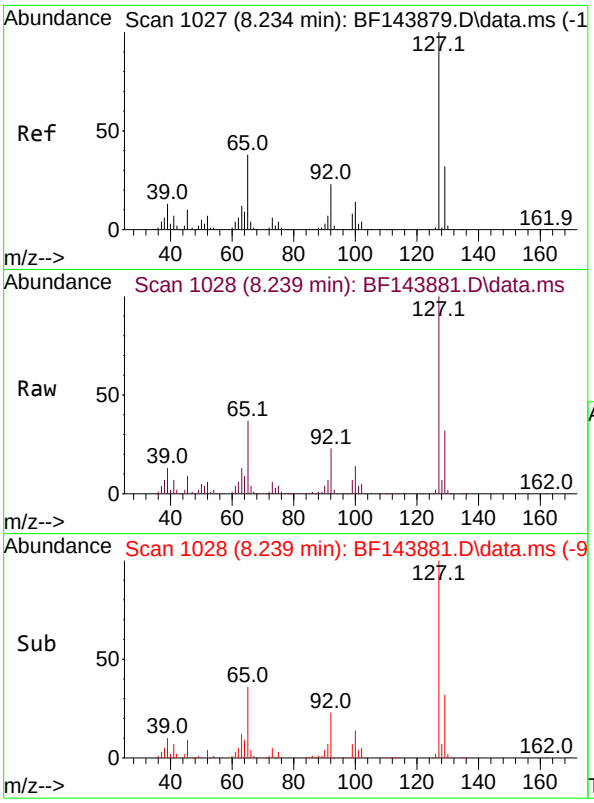


#32
Benzoic acid
Concen: 68.237 ng
RT: 7.940 min Scan# 977
Delta R.T. -0.023 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:122 Resp: 348955

Ion	Ratio	Lower	Upper
122	100		
105	118.8	93.5	133.5
77	97.3	76.3	116.3



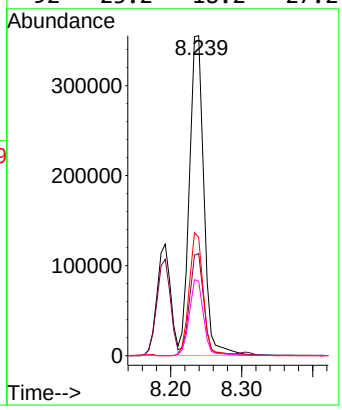


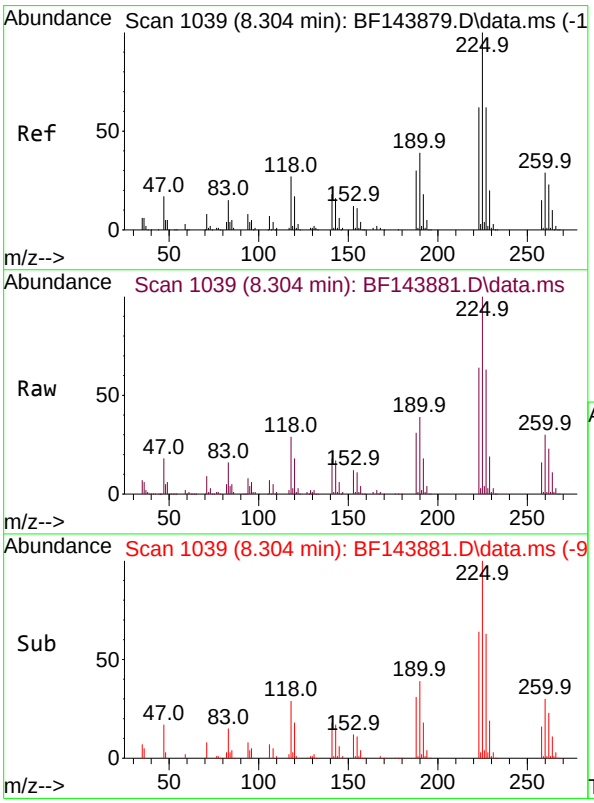
#33
4-Chloroaniline
Concen: 56.451 ng
RT: 8.239 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 504823

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.8	38.8
65	36.9	30.0	45.0
92	23.2	18.2	27.2

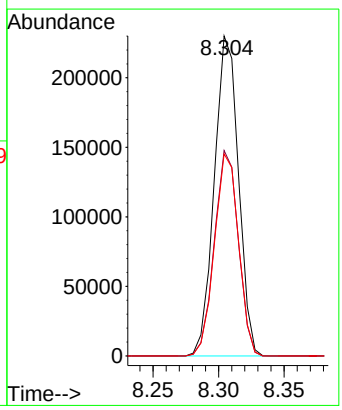


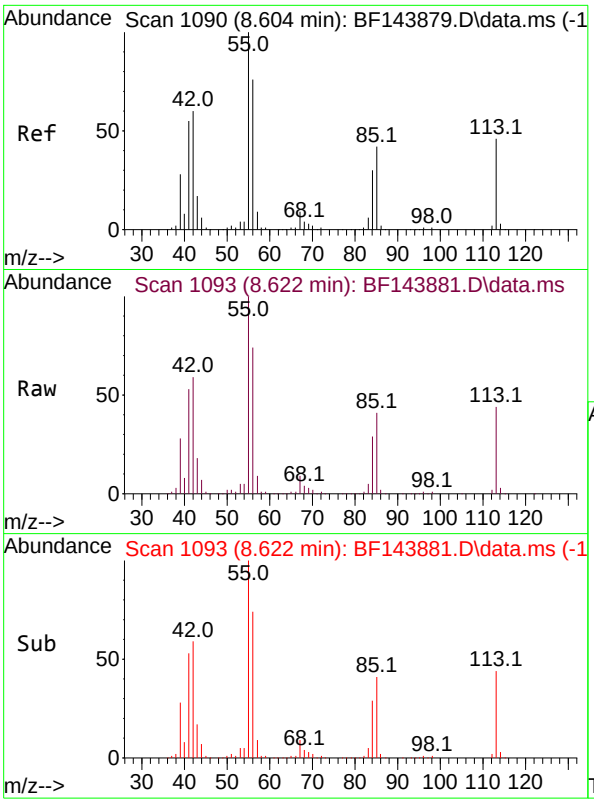


#34
Hexachlorobutadiene
Concen: 55.989 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:225 Resp: 294507

Ion	Ratio	Lower	Upper
225	100		
223	64.2	49.4	74.2
227	63.1	49.7	74.5



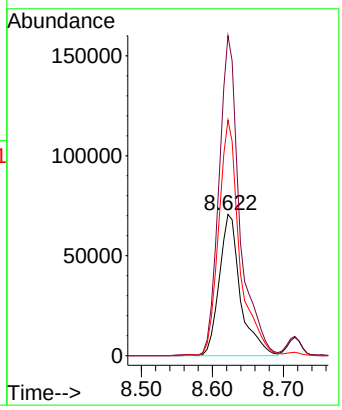


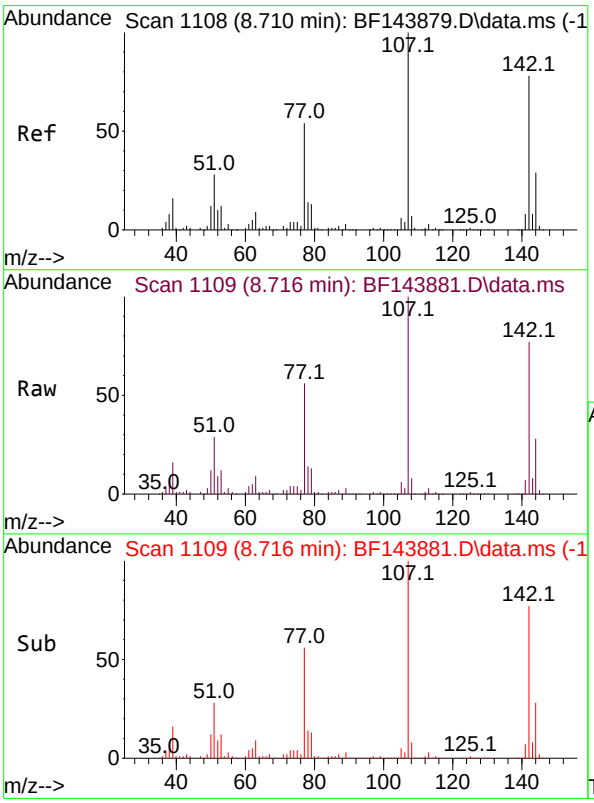
#35
Caprolactam
Concen: 60.055 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 146970

Ion	Ratio	Lower	Upper
113	100		
55	226.6	199.6	239.6
56	166.8	146.0	186.0

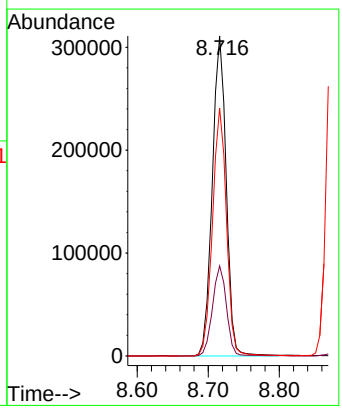


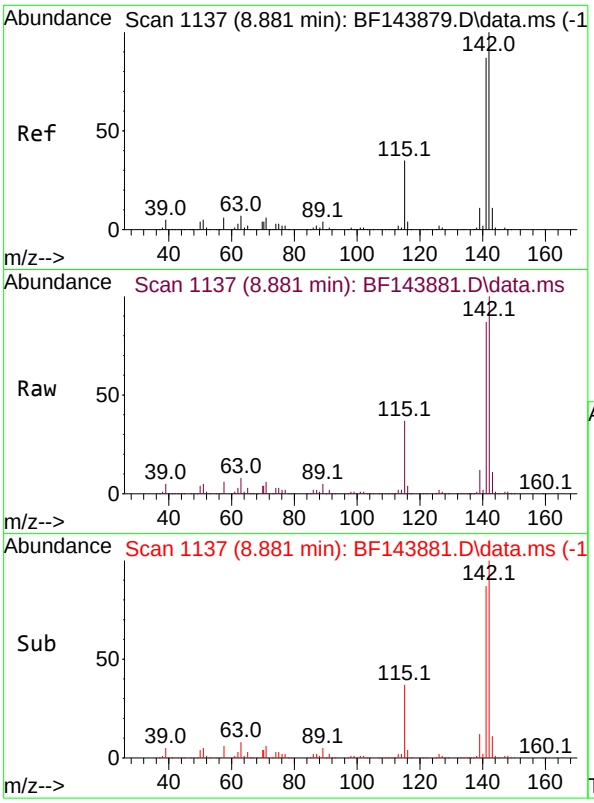


#36
4-Chloro-3-methylphenol
Concen: 57.336 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:107 Resp: 423904

Ion	Ratio	Lower	Upper
107	100		
144	28.1	23.1	34.7
142	77.4	62.6	94.0



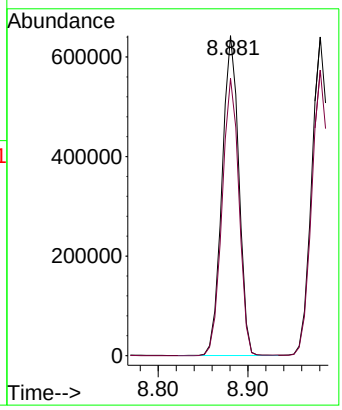


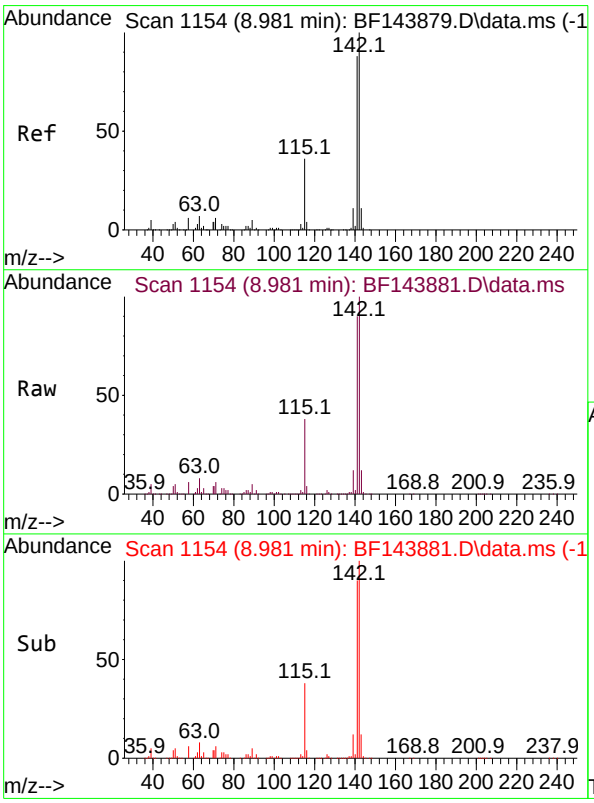
#37
2-Methylnaphthalene
Concen: 52.814 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 838837

Ion	Ratio	Lower	Upper
142	100		
141	86.6	69.2	103.8

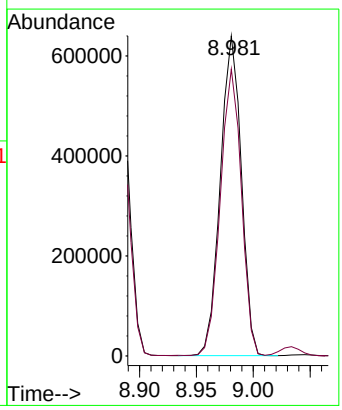


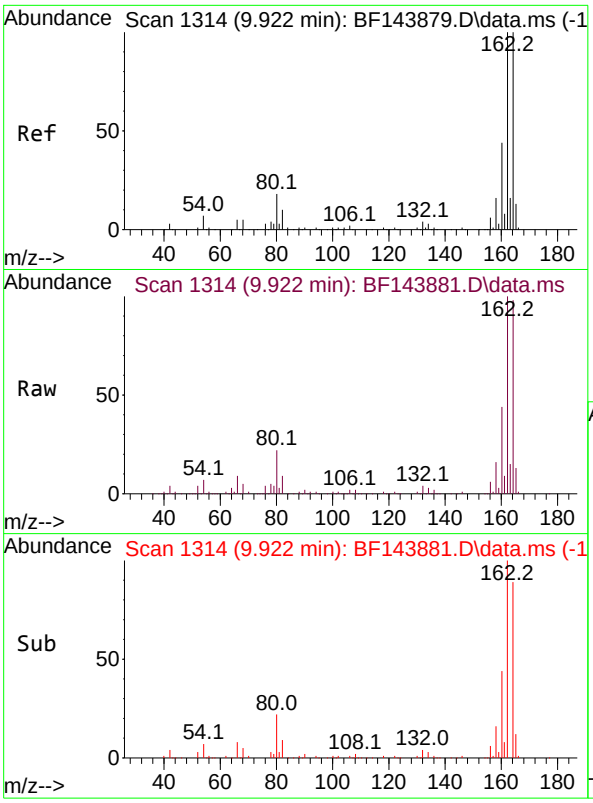


#38
1-Methylnaphthalene
Concen: 53.405 ng
RT: 8.981 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:142 Resp: 822755

Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.8	106.2



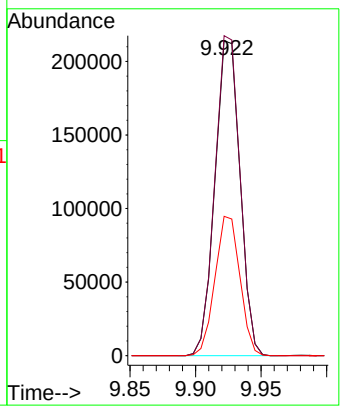


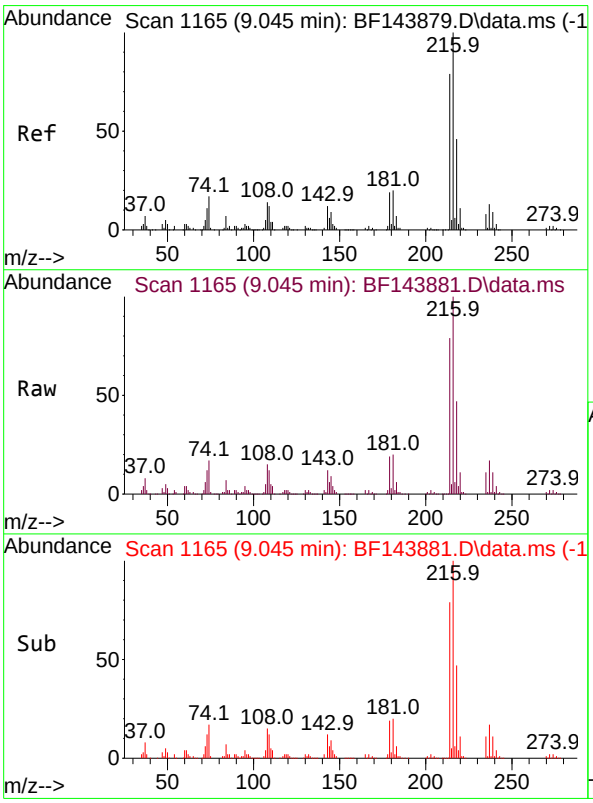
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 286024

Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.2	120.2
160	44.2	35.4	53.0

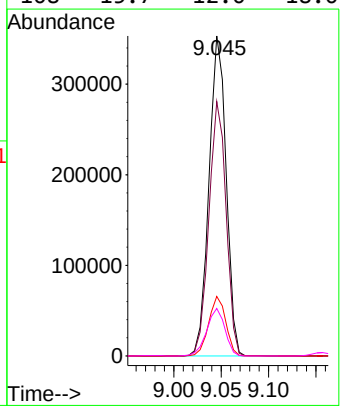


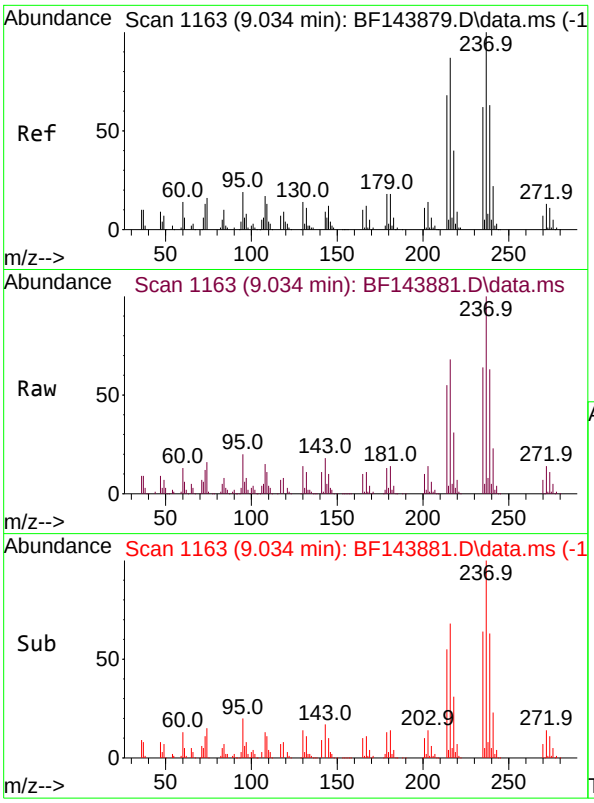


#40
1,2,4,5-Tetrachlorobenzene
Concen: 56.382 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:216 Resp: 445714

Ion	Ratio	Lower	Upper
216	100		
214	79.6	62.6	94.0
179	18.5	15.4	23.0
108	15.7	12.0	18.0



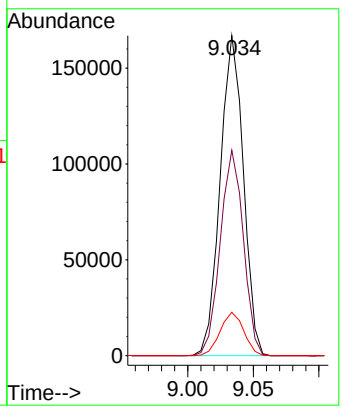


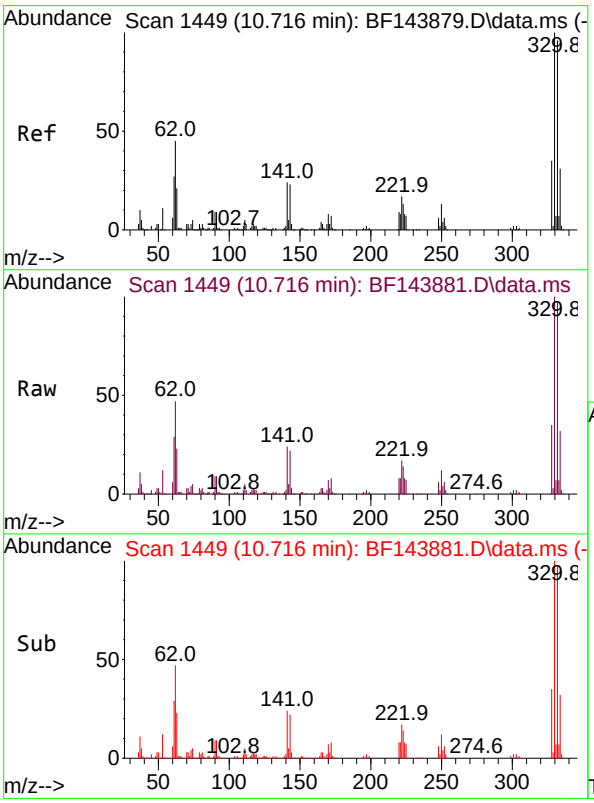
#41
Hexachlorocyclopentadiene
Concen: 62.806 ng
RT: 9.034 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 205978

Ion	Ratio	Lower	Upper
237	100		
235	64.2	42.3	82.3
272	13.5	0.0	33.1

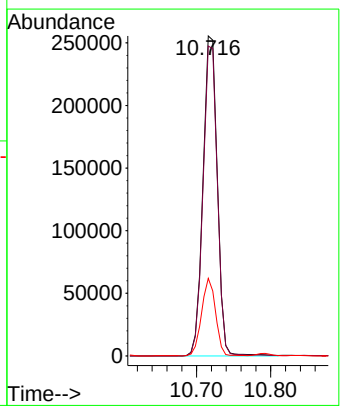


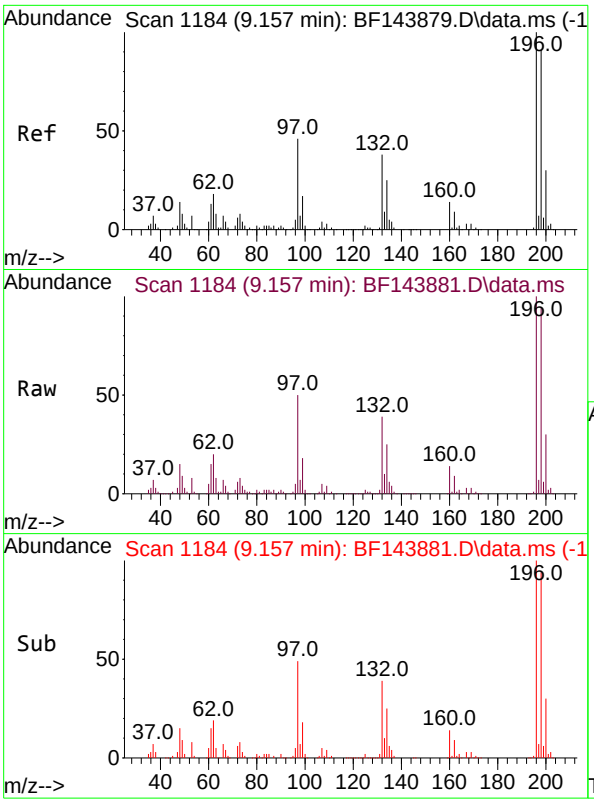


#42
2,4,6-Tribromophenol
Concen: 120.554 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:330 Resp: 343442

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.9	115.3
141	23.7	20.2	30.4



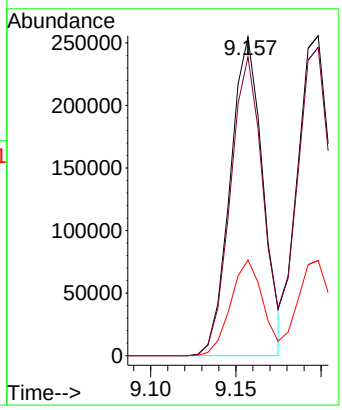


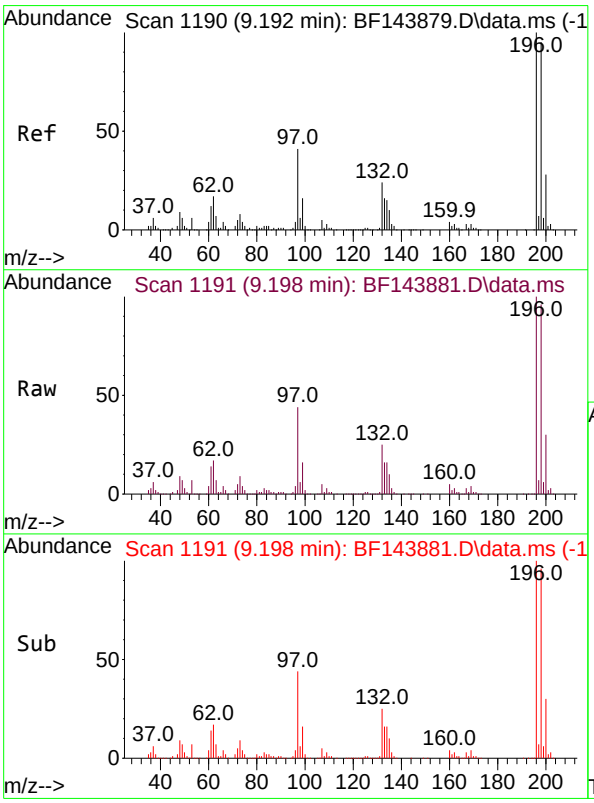
#43
2,4,6-Trichlorophenol
Concen: 58.657 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 338809

Ion	Ratio	Lower	Upper
196	100		
198	93.7	72.8	109.2
200	30.0	24.0	36.0

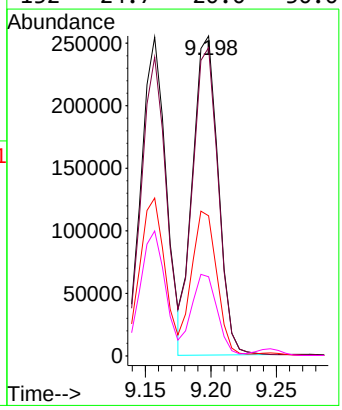


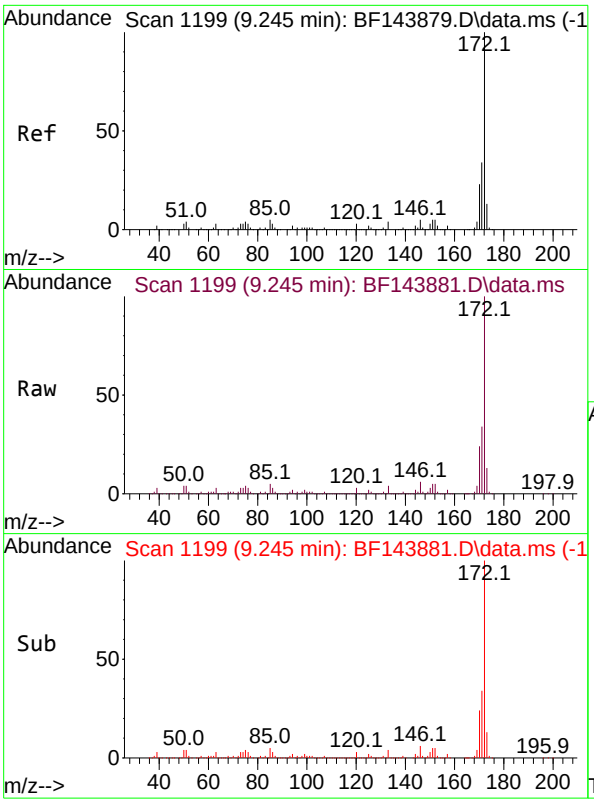


#44
2,4,5-Trichlorophenol
Concen: 56.620 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:196 Resp: 345605

Ion	Ratio	Lower	Upper
196	100		
198	96.3	75.5	113.3
97	43.8	33.9	50.9
132	24.7	20.0	30.0



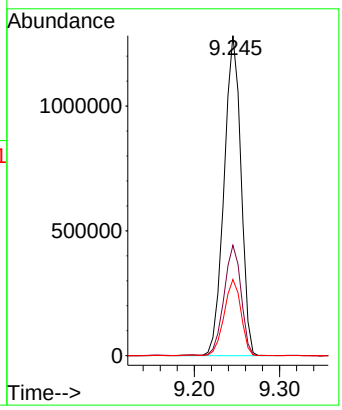


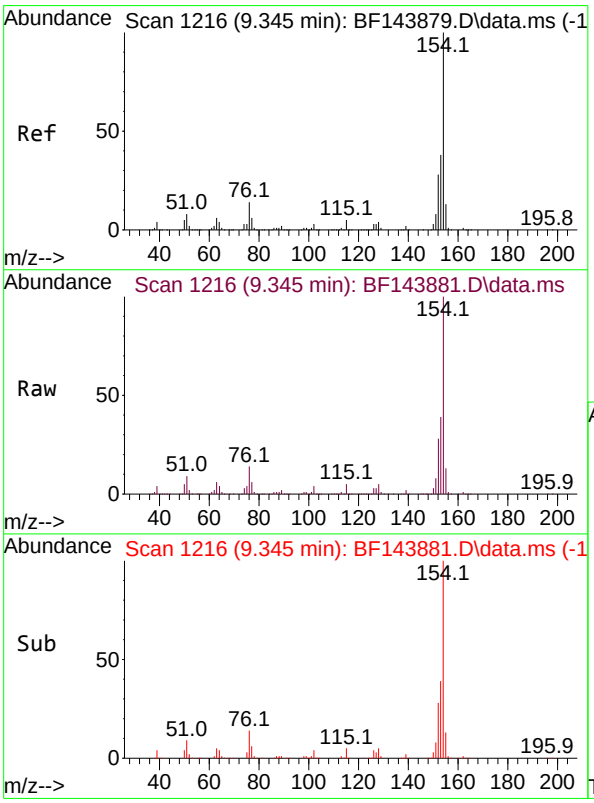
#45
2-Fluorobiphenyl
Concen: 97.871 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 1764203

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.4	41.0
170	23.8	18.6	28.0

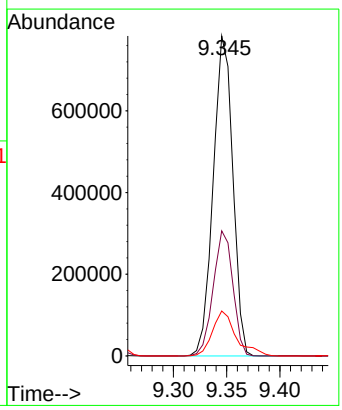


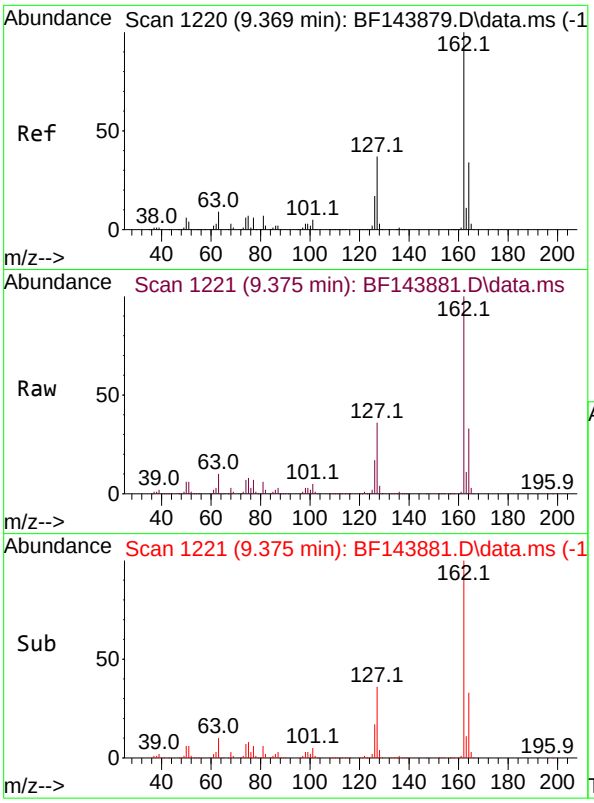


#46
1,1'-Biphenyl
Concen: 53.040 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:154 Resp: 1004440

Ion	Ratio	Lower	Upper
154	100		
153	39.1	18.4	58.4
76	14.0	0.0	34.0



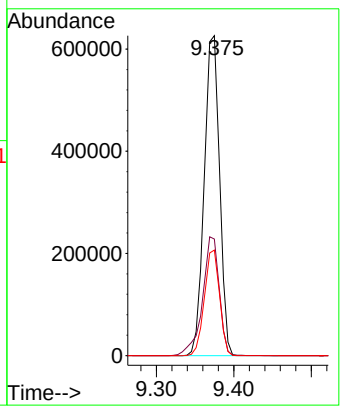


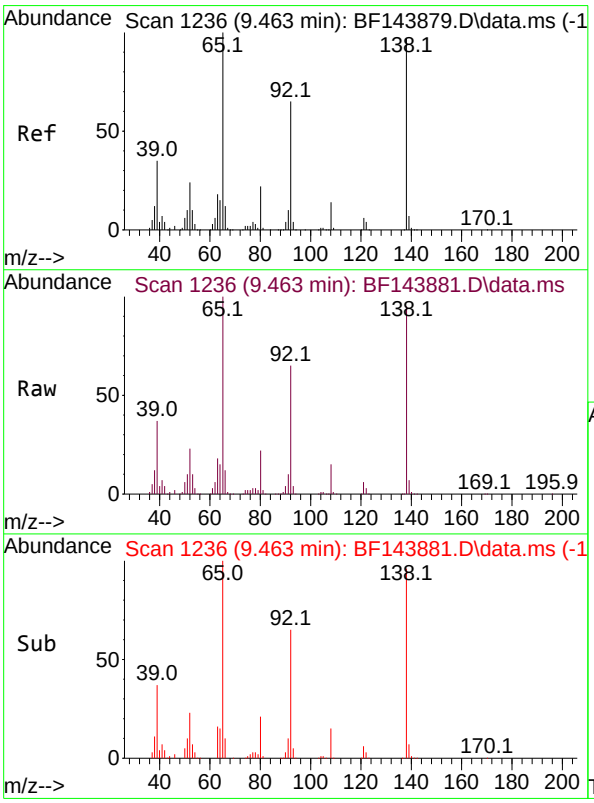
#47
2-Chloronaphthalene
Concen: 54.531 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 860999

Ion	Ratio	Lower	Upper
162	100		
127	36.4	30.2	45.2
164	33.0	26.9	40.3

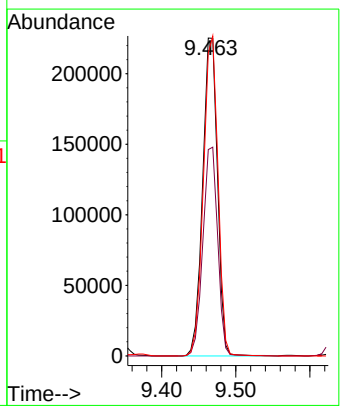


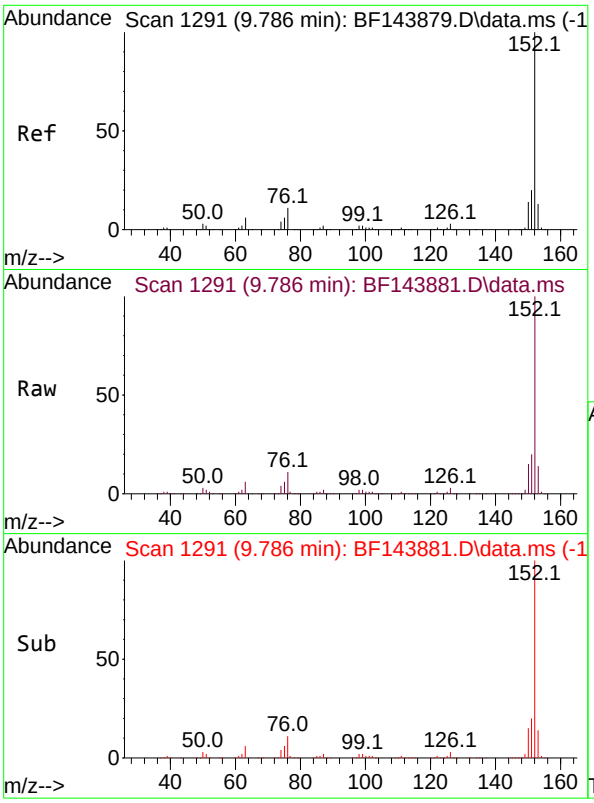


#48
2-Nitroaniline
Concen: 62.679 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion: 65 Resp: 312884

Ion	Ratio	Lower	Upper
65	100		
92	64.9	52.1	78.1
138	95.3	77.4	116.2



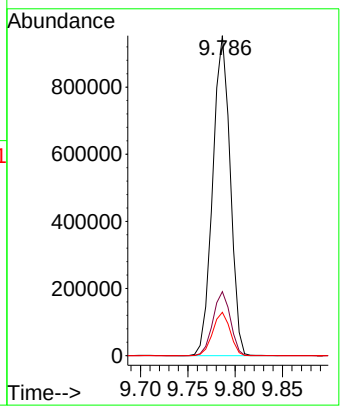


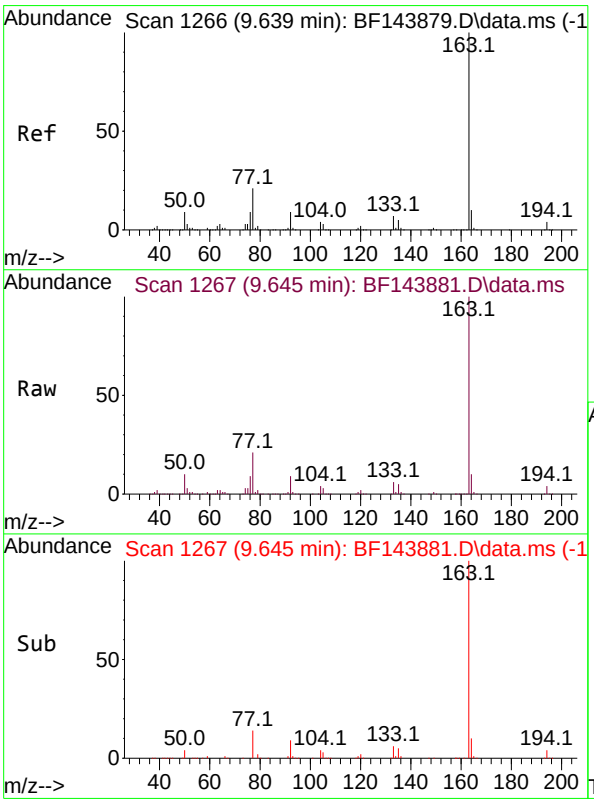
#49
Acenaphthylene
Concen: 55.140 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 1223951

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	13.5	10.5	15.7

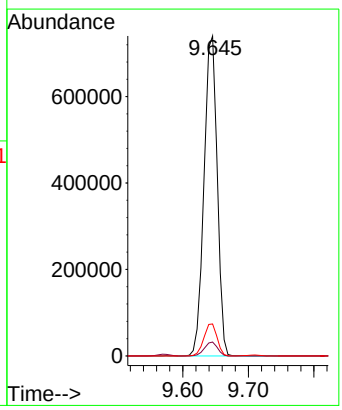


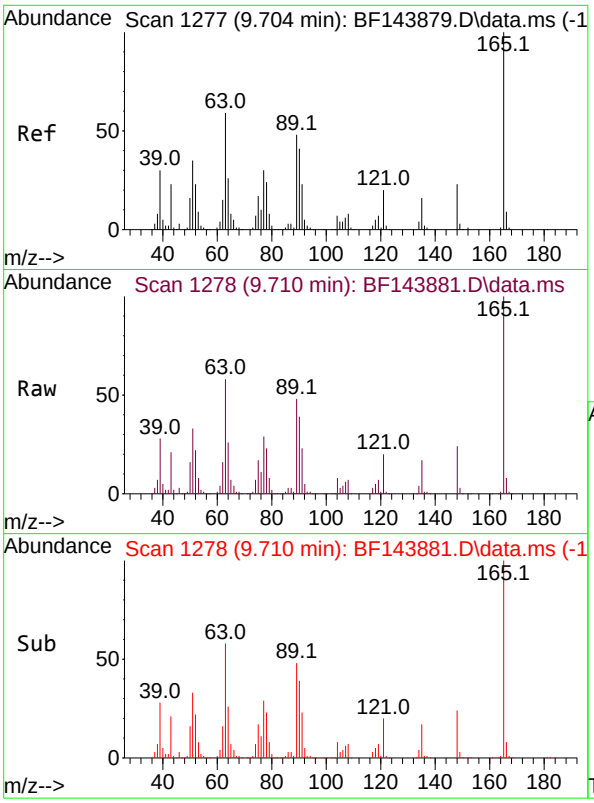


#50
Dimethylphthalate
Concen: 56.783 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:163 Resp: 1031391

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	10.0	8.1	12.1



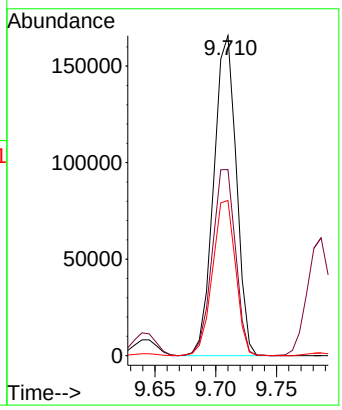


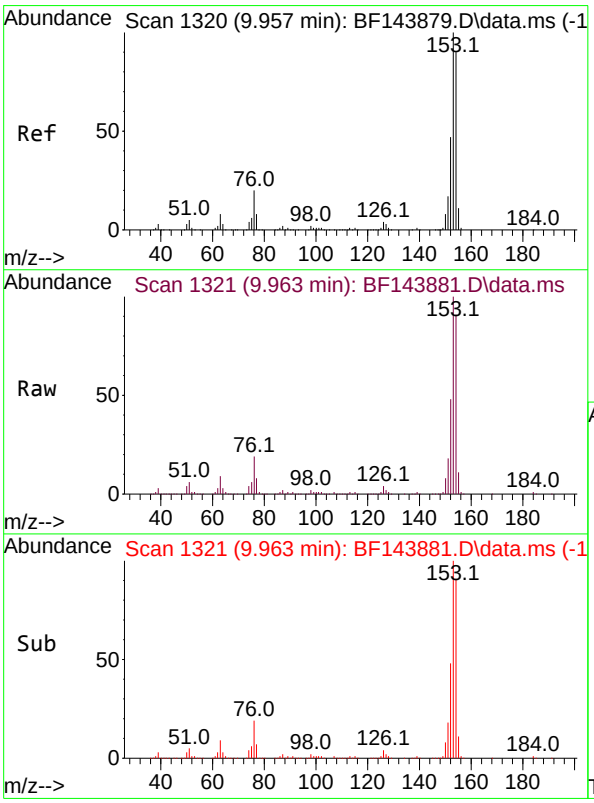
#51
2,6-Dinitrotoluene
Concen: 63.587 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 214169

Ion	Ratio	Lower	Upper
165	100		
63	58.1	47.3	70.9
89	48.5	38.2	57.4

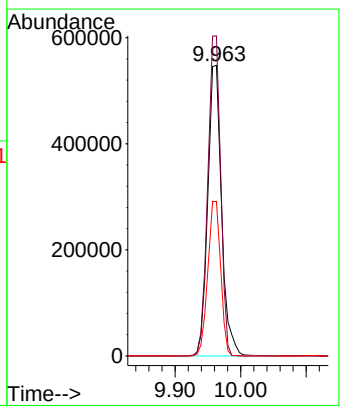


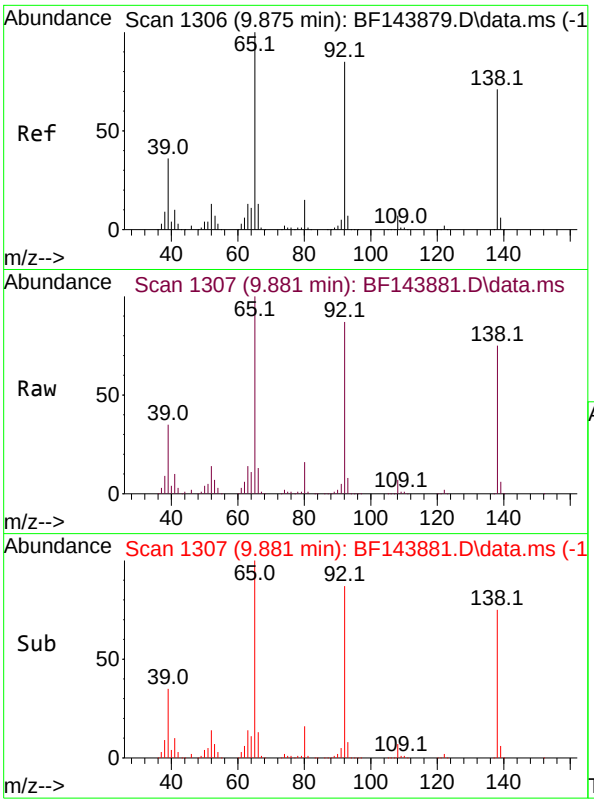


#52
Acenaphthene
Concen: 55.124 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:154 Resp: 801773

Ion	Ratio	Lower	Upper
154	100		
153	110.2	89.3	133.9
152	53.1	42.2	63.2



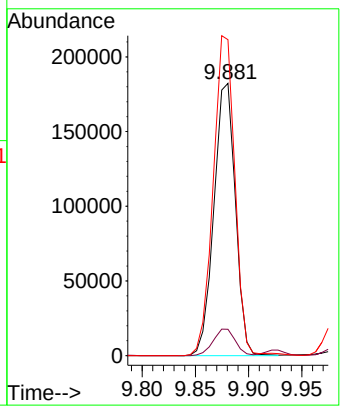


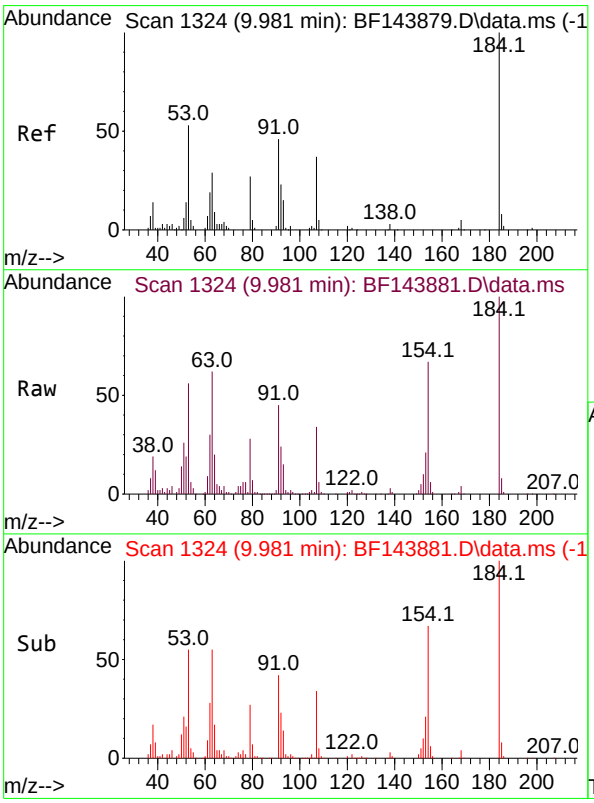
#53
3-Nitroaniline
Concen: 62.070 ng
RT: 9.881 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 255984

Ion	Ratio	Lower	Upper
138	100		
108	9.7	8.3	12.5
92	116.1	96.2	144.2

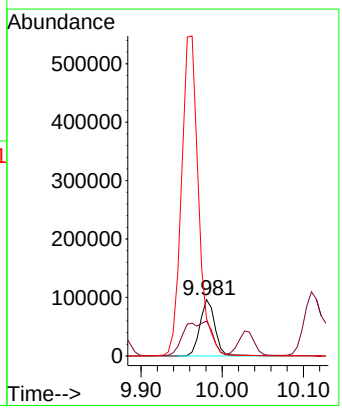


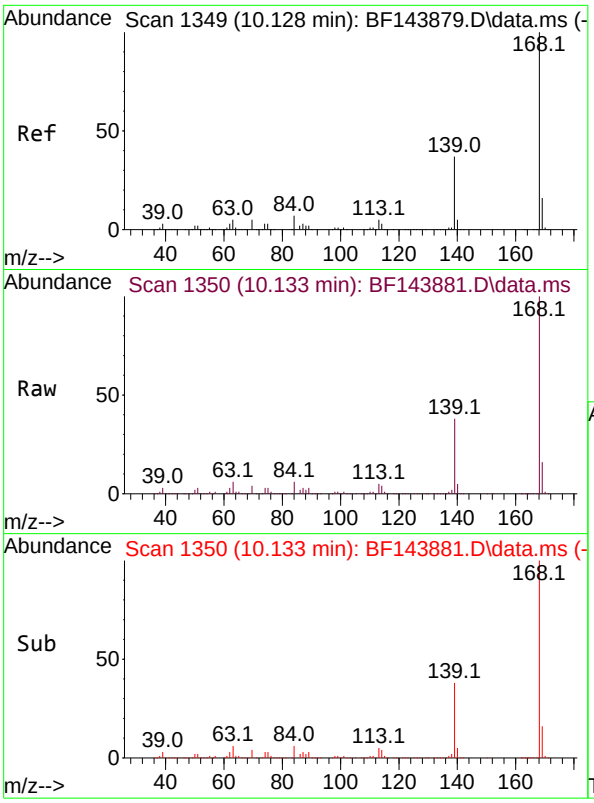


#54
2,4-Dinitrophenol
Concen: 61.138 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.005 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:184 Resp: 123295

Ion	Ratio	Lower	Upper
184	100		
63	61.8	48.2	72.4
154	66.8	49.2	73.8



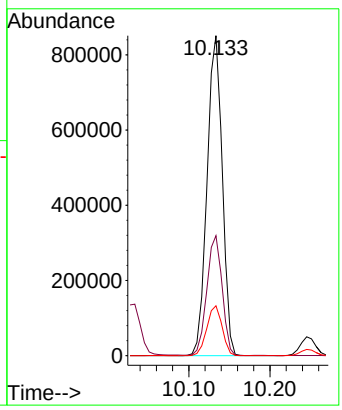


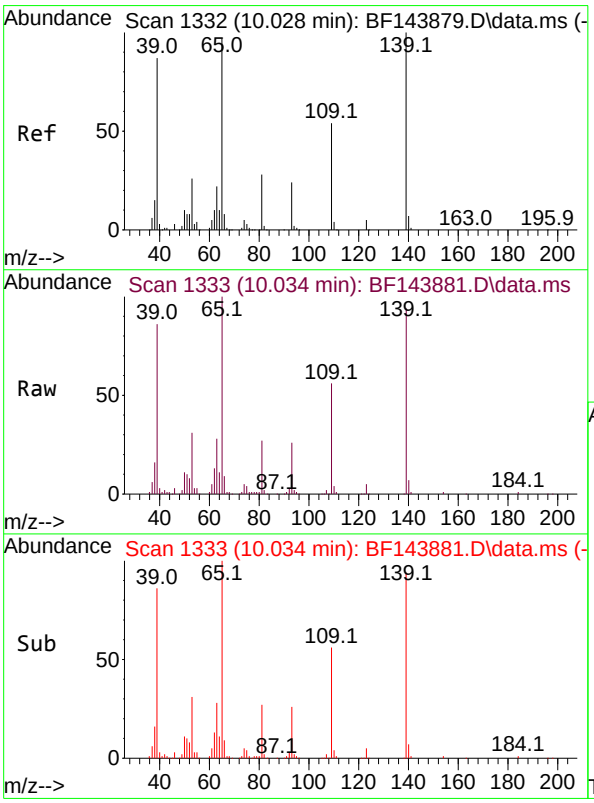
#55
Dibenzofuran
Concen: 54.120 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 1111183

Ion	Ratio	Lower	Upper
168	100		
139	37.5	29.8	44.8
169	15.6	12.8	19.2

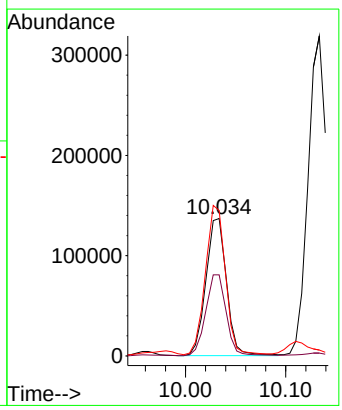


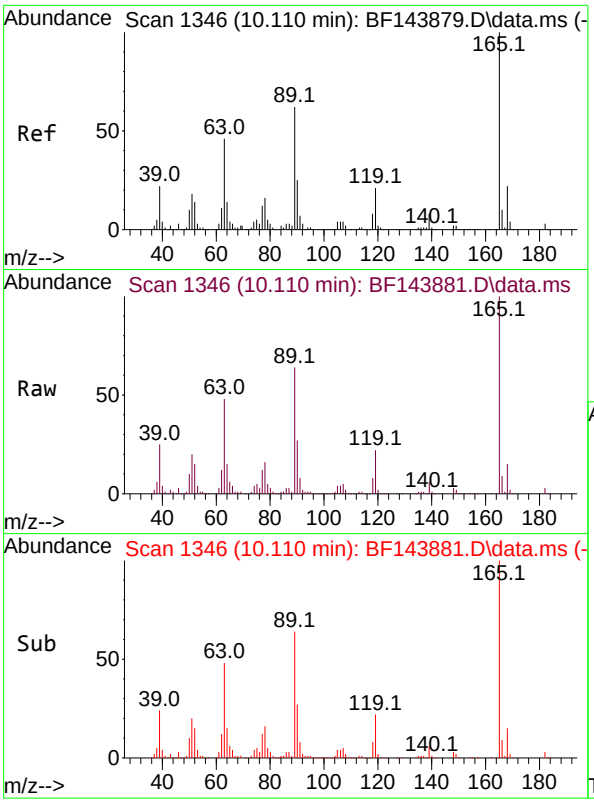


#56
4-Nitrophenol
Concen: 62.550 ng
RT: 10.034 min Scan# 1333
Delta R.T. -0.005 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:139 Resp: 195321

Ion	Ratio	Lower	Upper
139	100		
109	59.0	34.5	74.5
65	105.8	77.6	117.6



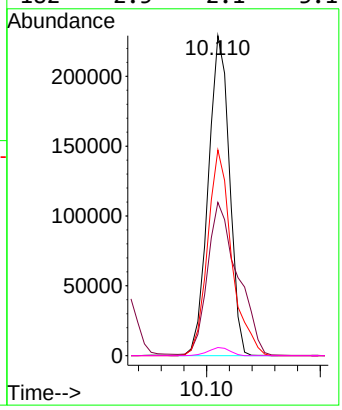


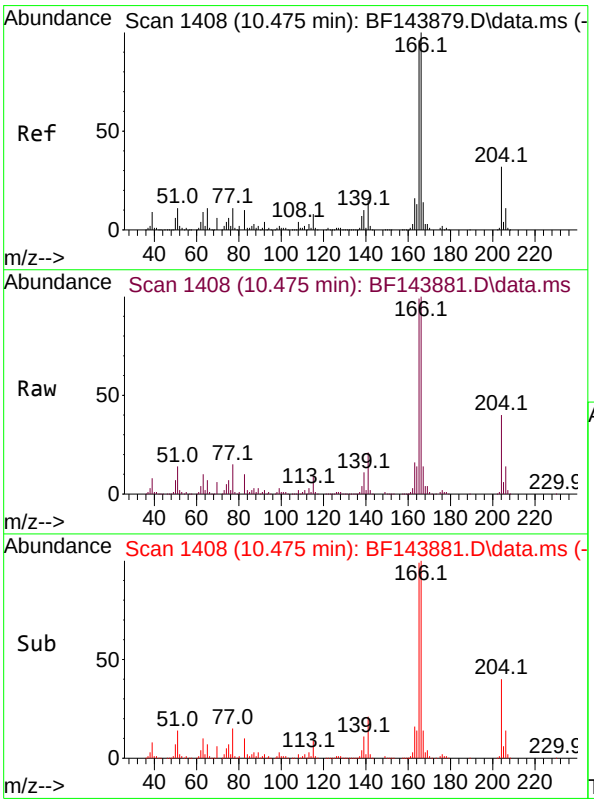
#57
2,4-Dinitrotoluene
Concen: 64.812 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 297018

Ion	Ratio	Lower	Upper
165	100		
63	47.9	37.2	55.8
89	64.3	49.4	74.2
182	2.5	2.1	3.1

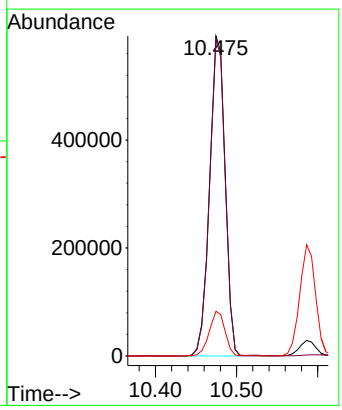


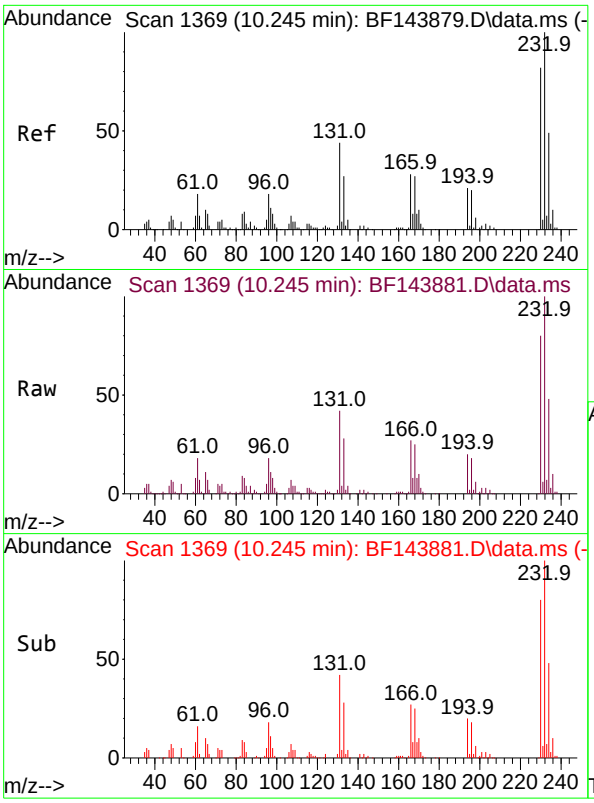


#58
Fluorene
Concen: 51.090 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:166 Resp: 791518

Ion	Ratio	Lower	Upper
166	100		
165	98.8	77.0	115.6
167	13.9	11.1	16.7



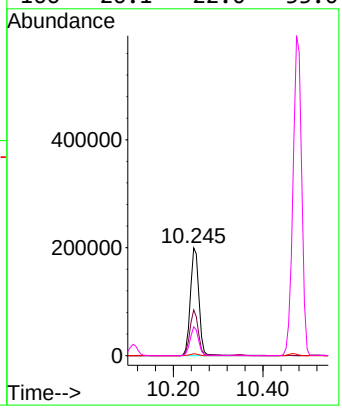


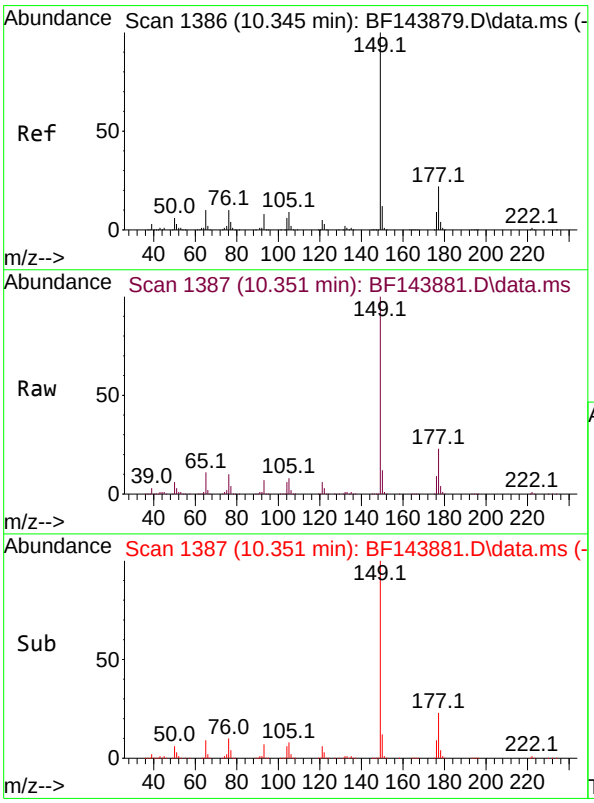
#59
2,3,4,6-Tetrachlorophenol
Concen: 61.283 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 264796

Ion	Ratio	Lower	Upper
232	100		
131	41.1	34.9	52.3
130	1.6	1.6	2.4#
166	26.1	22.0	33.0

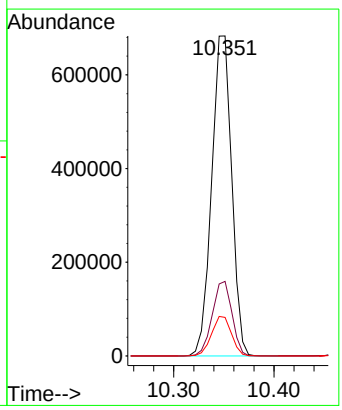


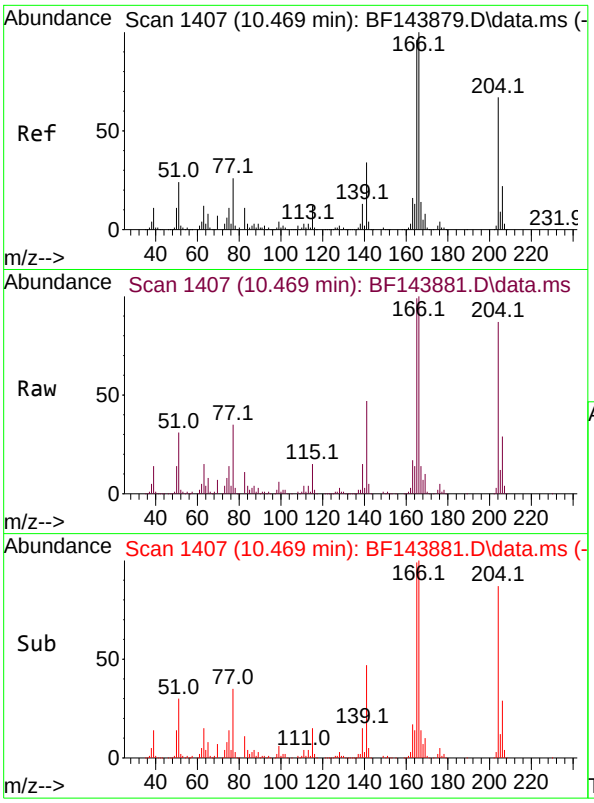


#60
Diethylphthalate
Concen: 56.214 ng
RT: 10.351 min Scan# 1387
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:149 Resp: 948580

Ion	Ratio	Lower	Upper
149	100		
177	23.3	17.9	26.9
150	12.0	9.8	14.8



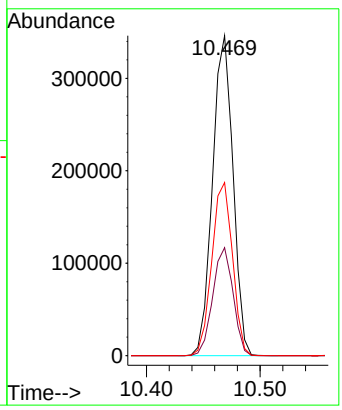


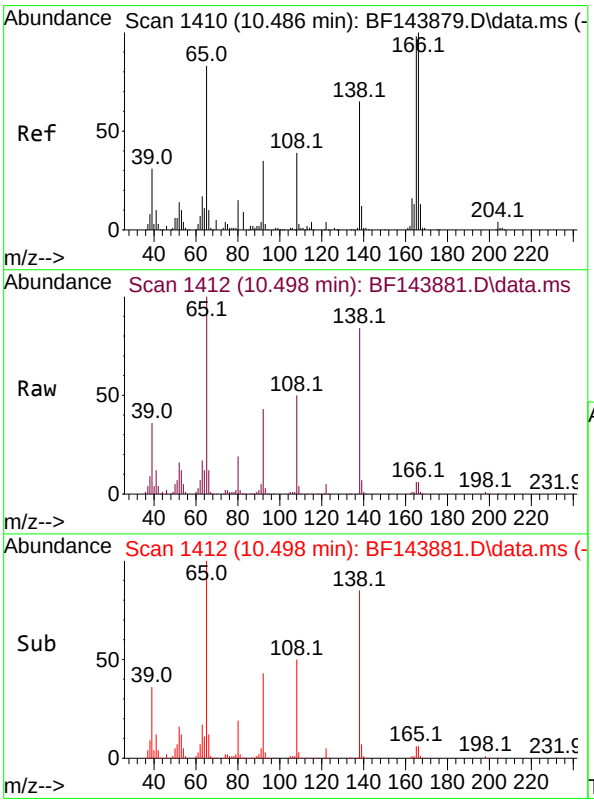
#61
4-Chlorophenyl-phenylether
Concen: 52.905 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 433339

Ion	Ratio	Lower	Upper
204	100		
206	33.7	26.6	40.0
141	54.1	40.4	60.6

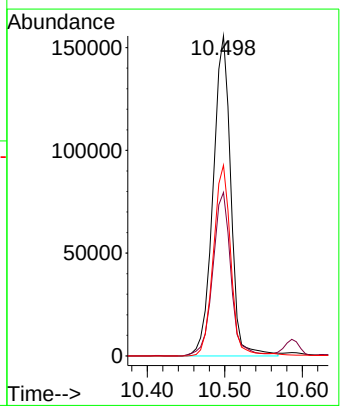


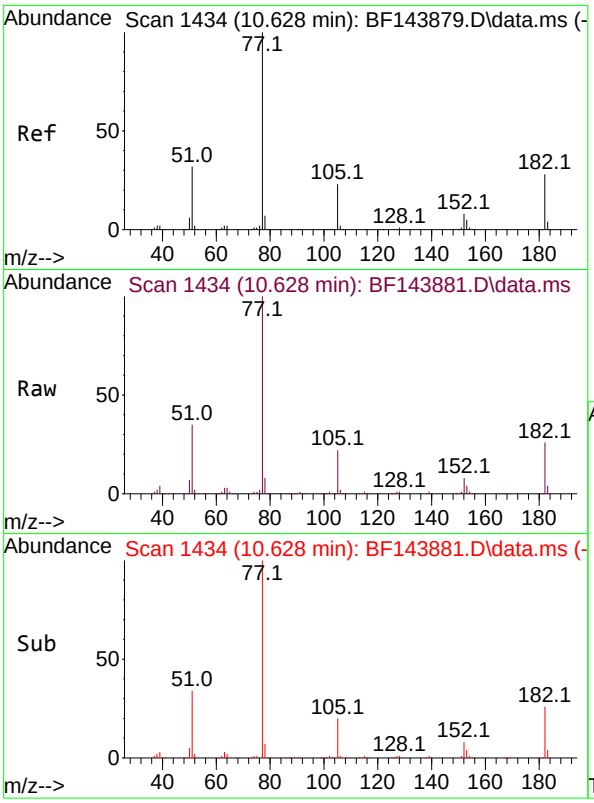


#62
4-Nitroaniline
Concen: 62.288 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:138 Resp: 247024

Ion	Ratio	Lower	Upper
138	100		
92	51.1	33.9	73.9
108	59.6	40.2	80.2



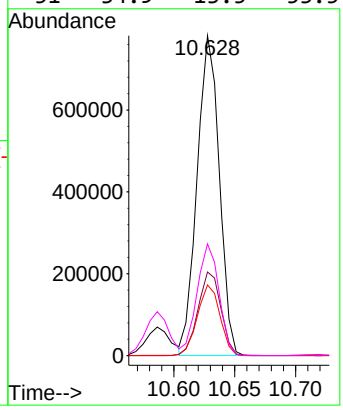


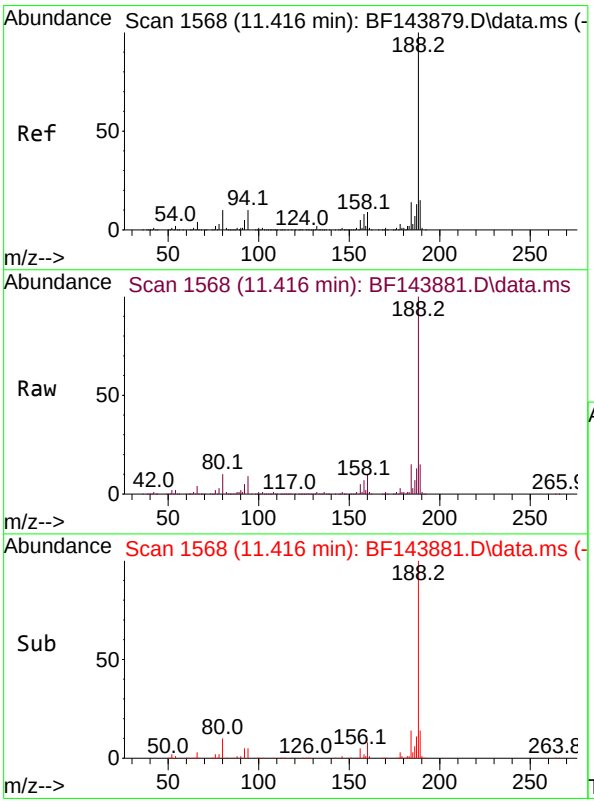
#63
Azobenzene
Concen: 56.252 ng
RT: 10.628 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 992054

Ion	Ratio	Lower	Upper
77	100		
182	26.1	7.3	47.3
105	22.1	3.0	43.0
51	34.9	13.5	53.5

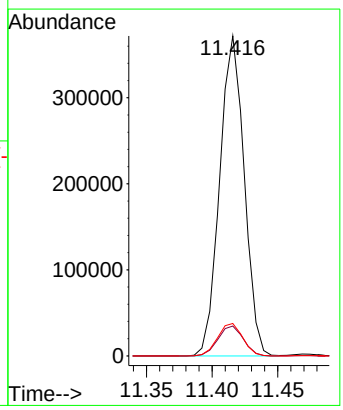


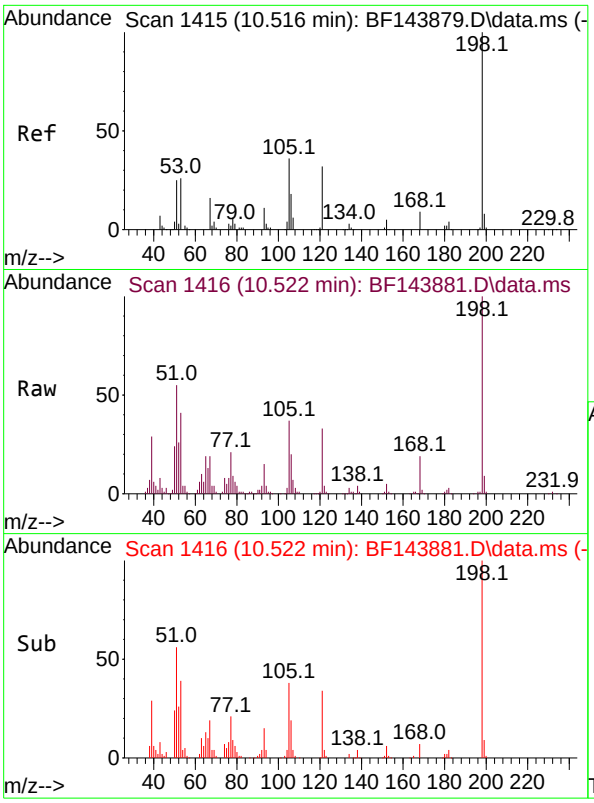


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:188 Resp: 485489

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.8	11.6
80	10.1	7.9	11.9



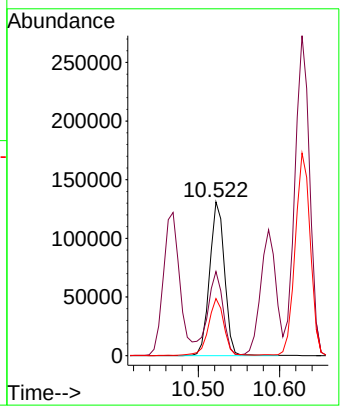


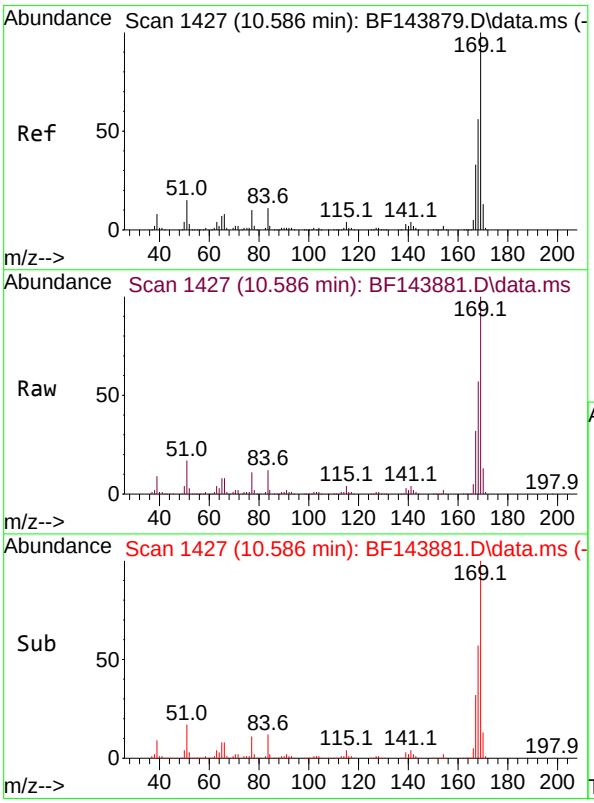
#65
4,6-Dinitro-2-methylphenol
Concen: 68.344 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 166740

Ion	Ratio	Lower	Upper
198	100		
51	54.7	33.8	73.8
105	37.2	17.0	57.0

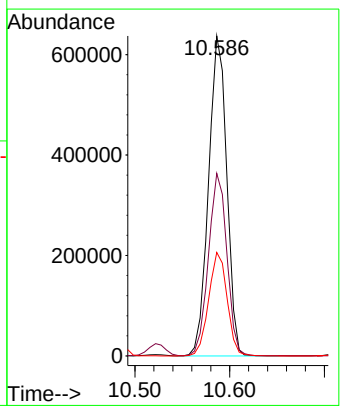


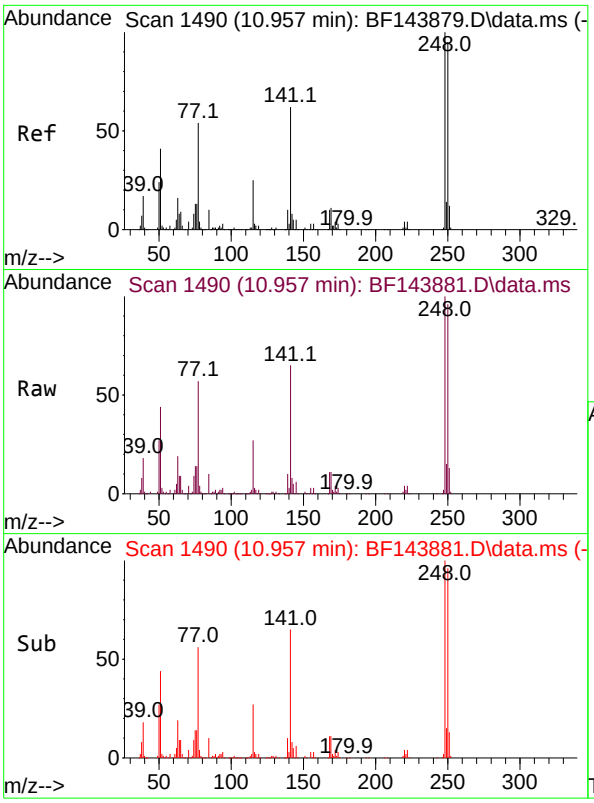


#66
n-Nitrosodiphenylamine
Concen: 55.797 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:169 Resp: 850570

Ion	Ratio	Lower	Upper
169	100		
168	57.0	44.9	67.3
167	32.3	26.3	39.5



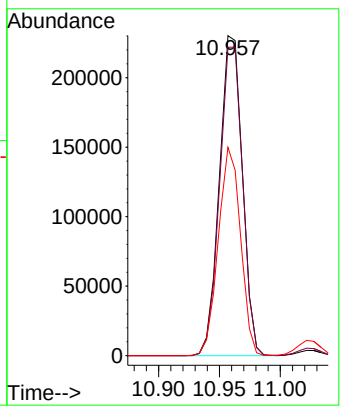


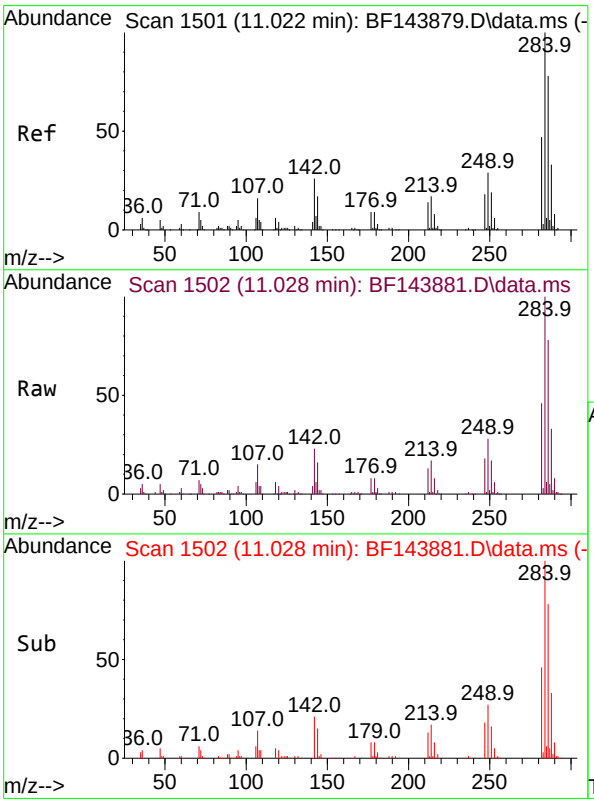
#67
4-Bromophenyl-phenylether
Concen: 56.317 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 302165

Ion	Ratio	Lower	Upper
248	100		
250	96.4	76.3	114.5
141	65.1	49.7	74.5

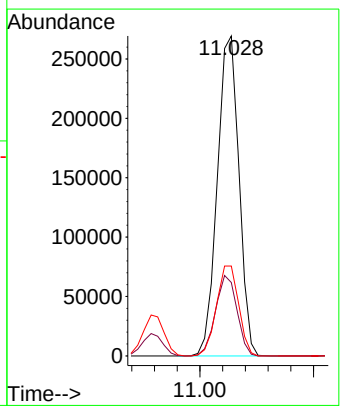


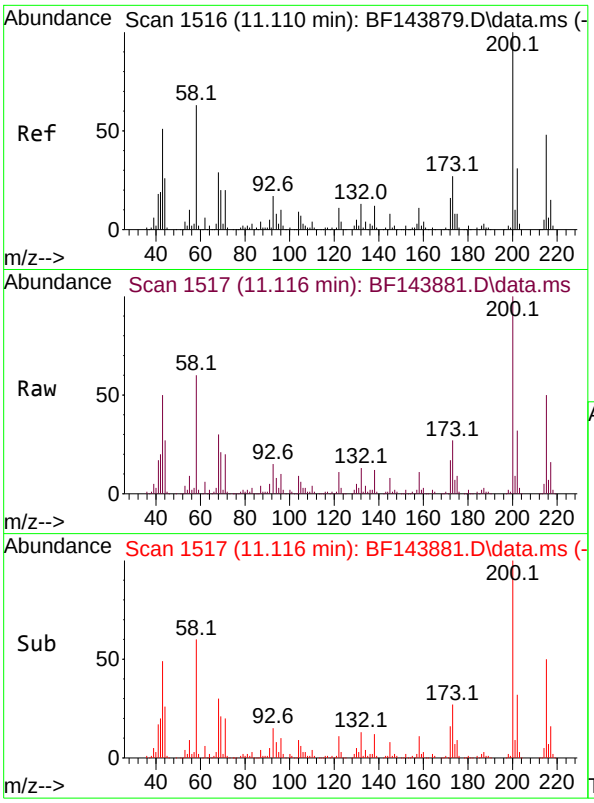


#68
Hexachlorobenzene
Concen: 57.378 ng
RT: 11.028 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:284 Resp: 356406

Ion	Ratio	Lower	Upper
284	100		
142	22.9	20.6	30.8
249	28.1	23.2	34.8



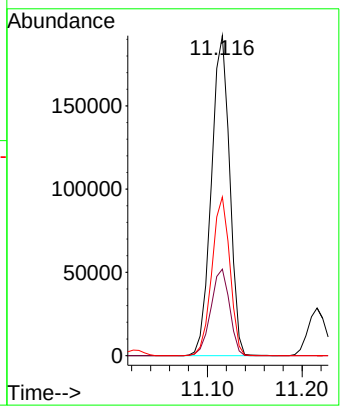


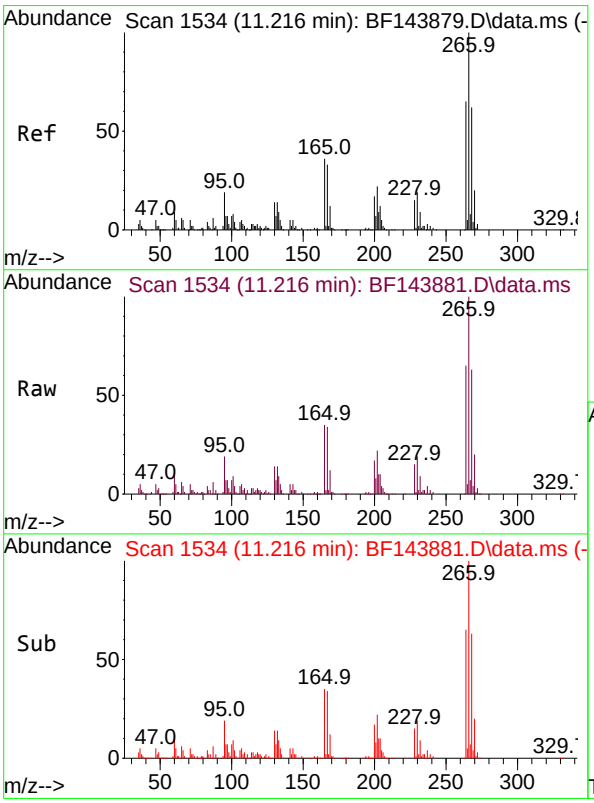
#69
Atrazine
Concen: 55.713 ng
RT: 11.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 257412

Ion	Ratio	Lower	Upper
200	100		
173	27.0	7.0	47.0
215	49.6	27.8	67.8

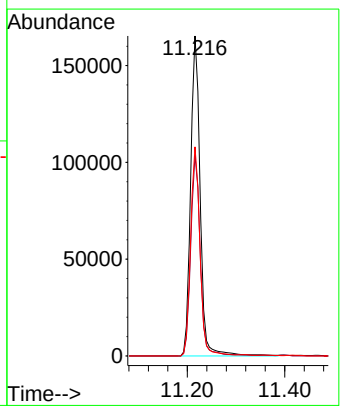


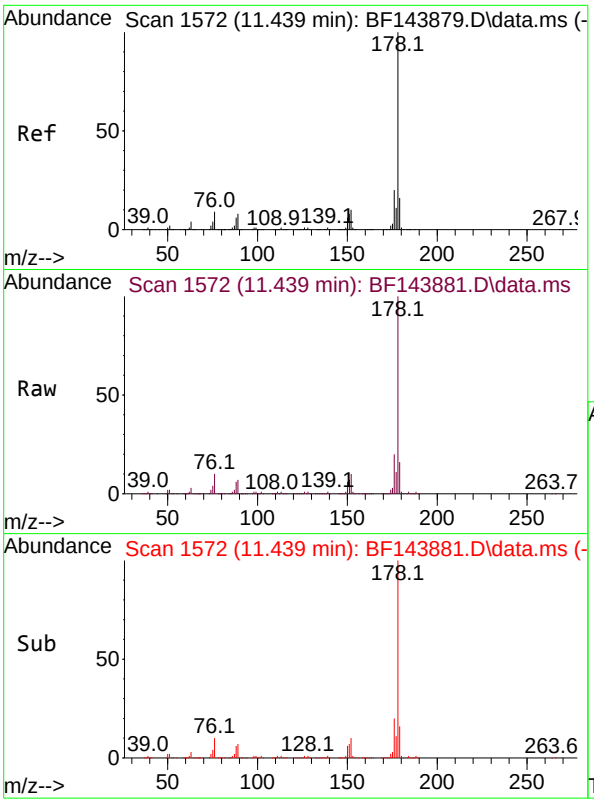


#70
Pentachlorophenol
Concen: 62.792 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:266 Resp: 224011

Ion	Ratio	Lower	Upper
266	100		
268	62.7	49.4	74.0
264	65.3	51.8	77.6



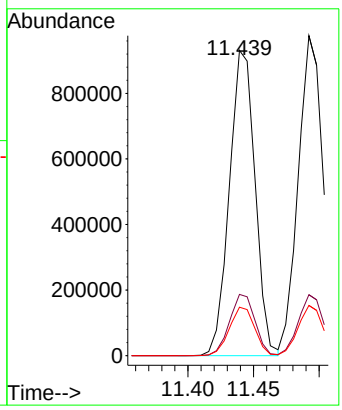


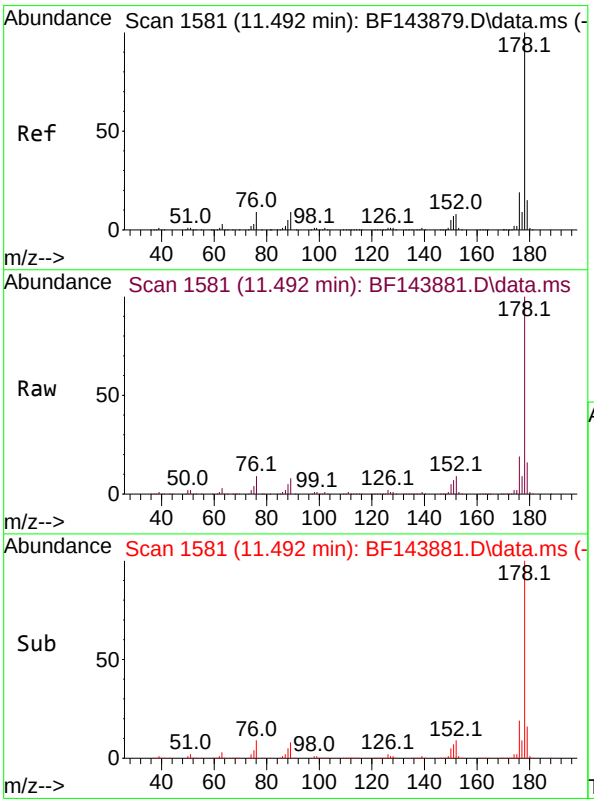
#71
Phenanthrene
Concen: 53.961 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 1270063

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.9	23.9
179	15.9	12.4	18.6

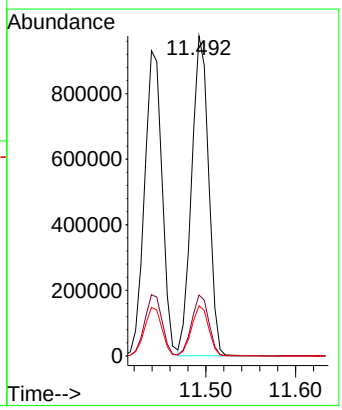


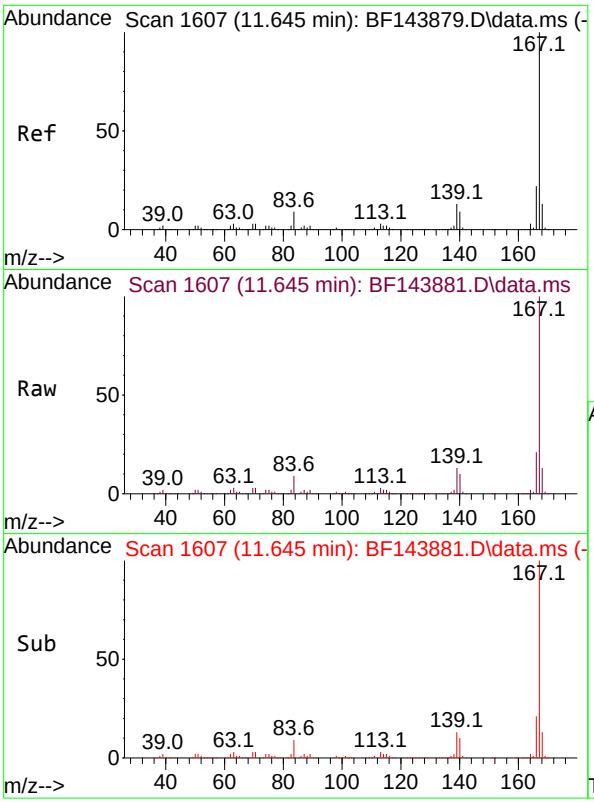


#72
Anthracene
Concen: 53.956 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:178 Resp: 1282940

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.7	12.2	18.2



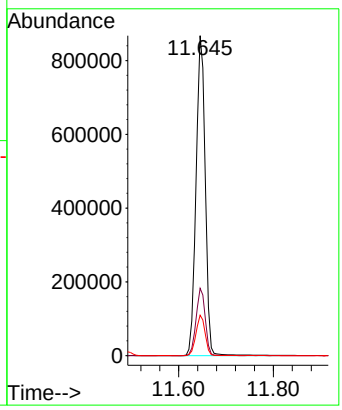


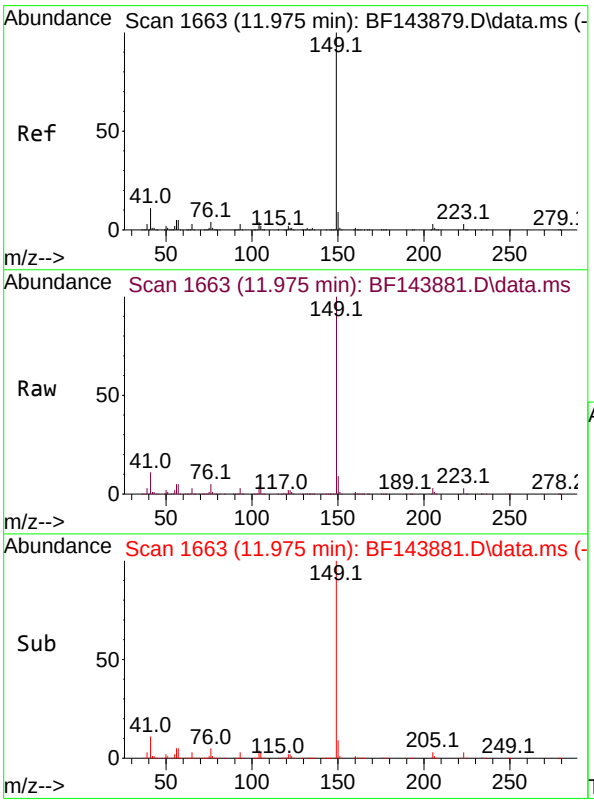
#73
Carbazole
Concen: 55.592 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 1170717

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.2	25.8
139	12.6	10.1	15.1

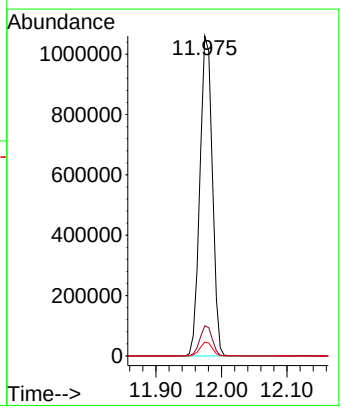


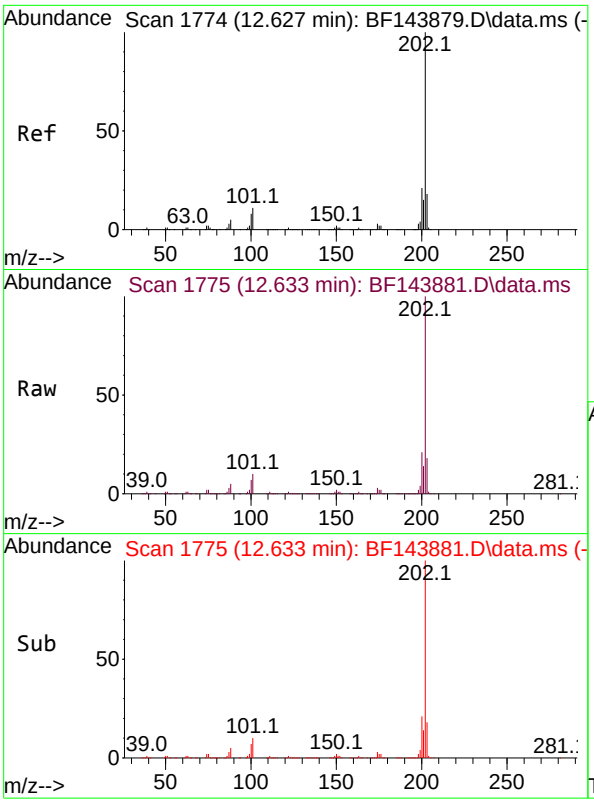


#74
Di-n-butylphthalate
Concen: 56.934 ng
RT: 11.975 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:149 Resp: 1389569

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	4.3	3.4	5.2



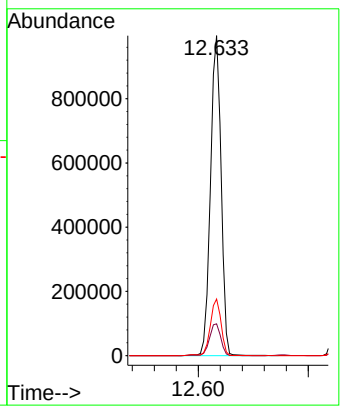


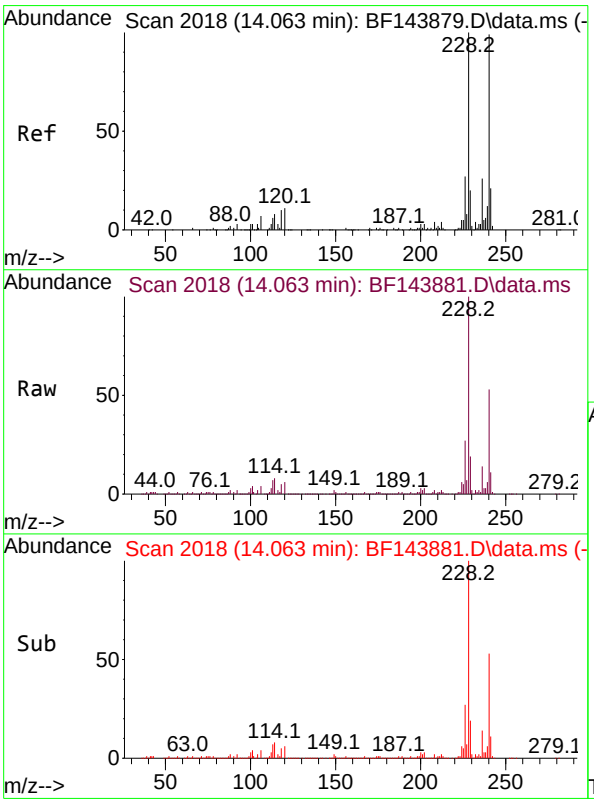
#75
Fluoranthene
Concen: 54.530 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 1325716

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.7
203	17.7	0.0	37.8

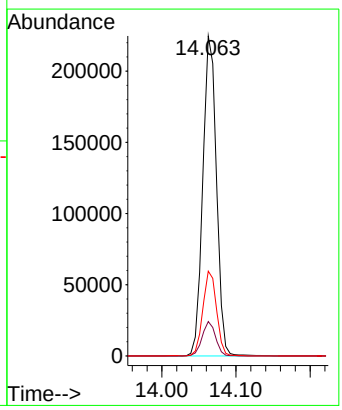


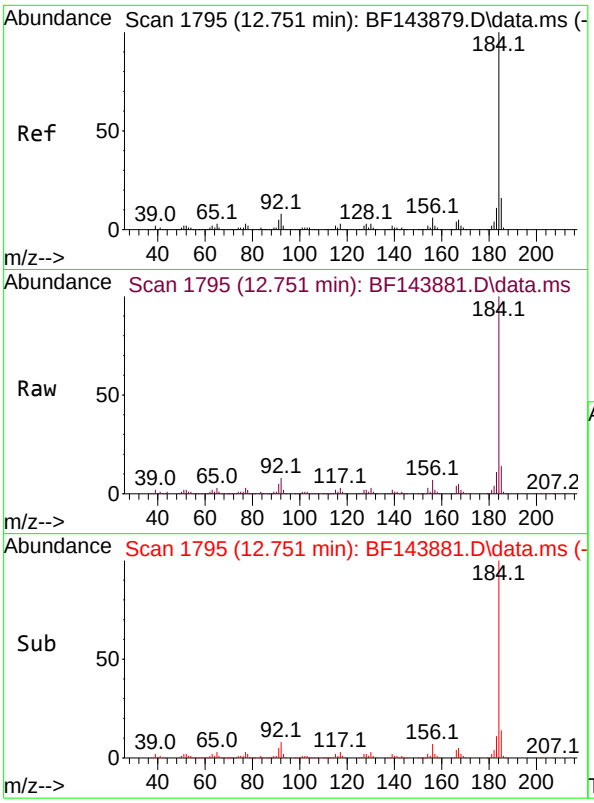


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:240 Resp: 287097

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.6	13.0
236	26.5	21.1	31.7



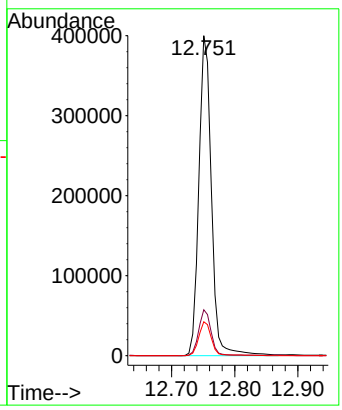


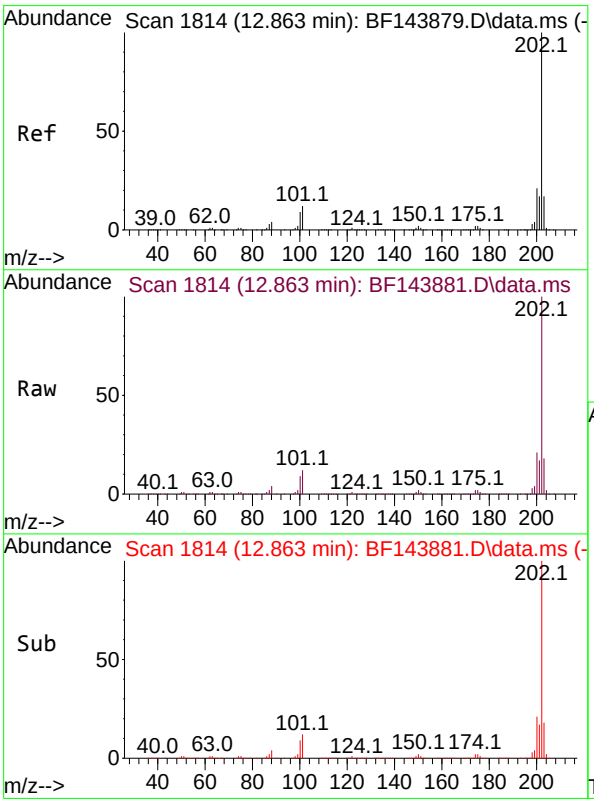
#77
Benzidine
Concen: 55.312 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 551394

Ion	Ratio	Lower	Upper
184	100		
185	14.3	12.6	18.8
183	10.6	8.8	13.2

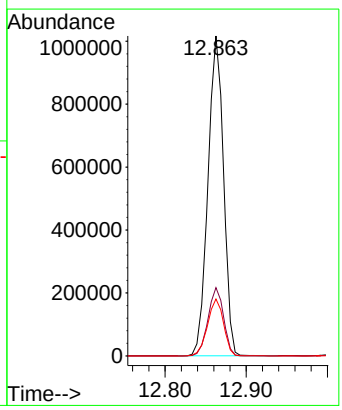


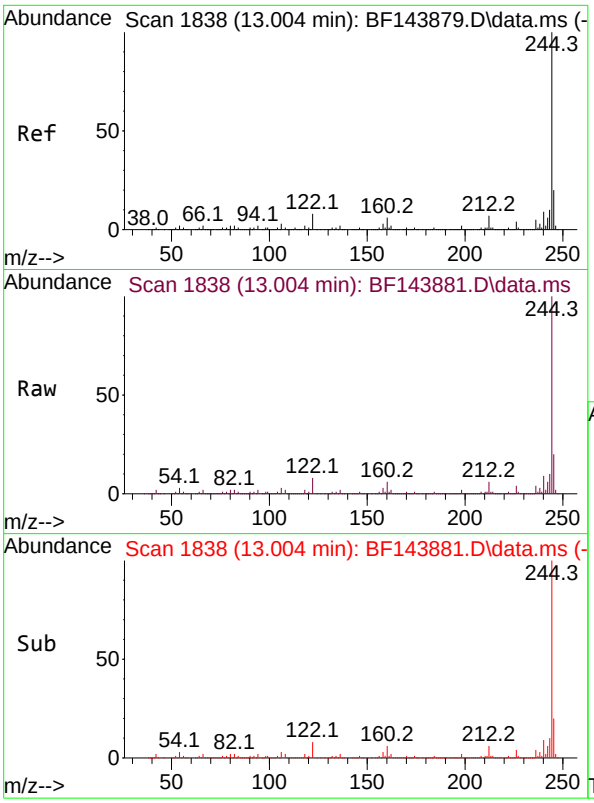


#78
Pyrene
Concen: 56.800 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:202 Resp: 1359513

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.6
203	17.8	13.8	20.6



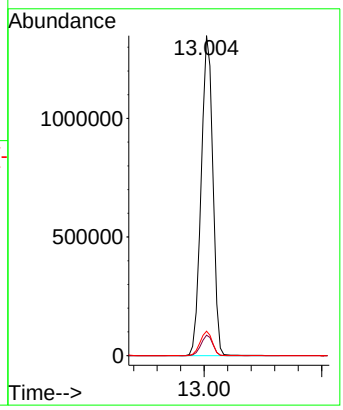


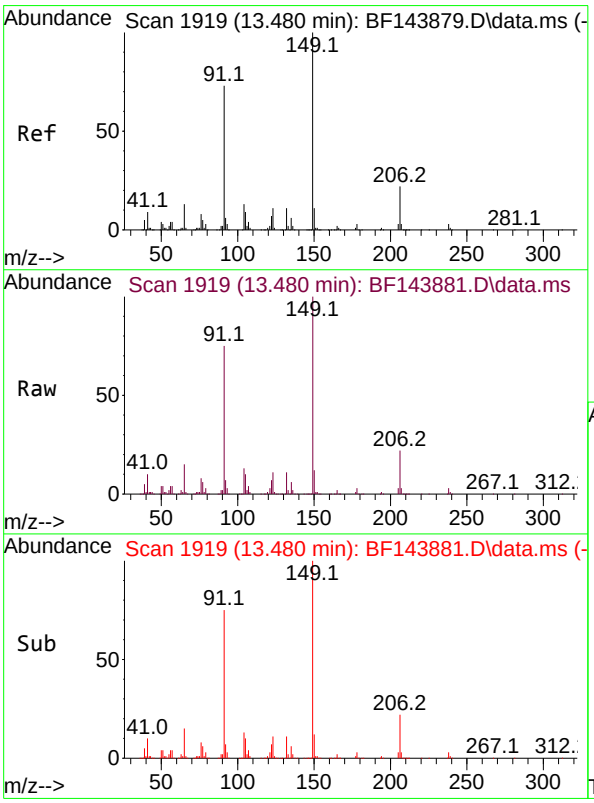
#79
Terphenyl-d14
Concen: 110.799 ng
RT: 13.004 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 1861234

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	7.6	6.4	9.6

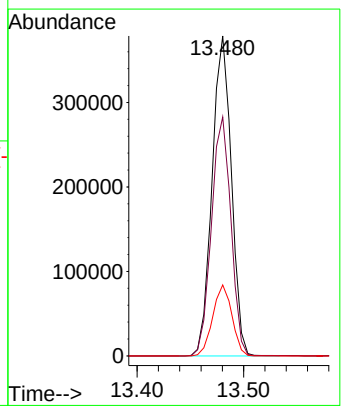


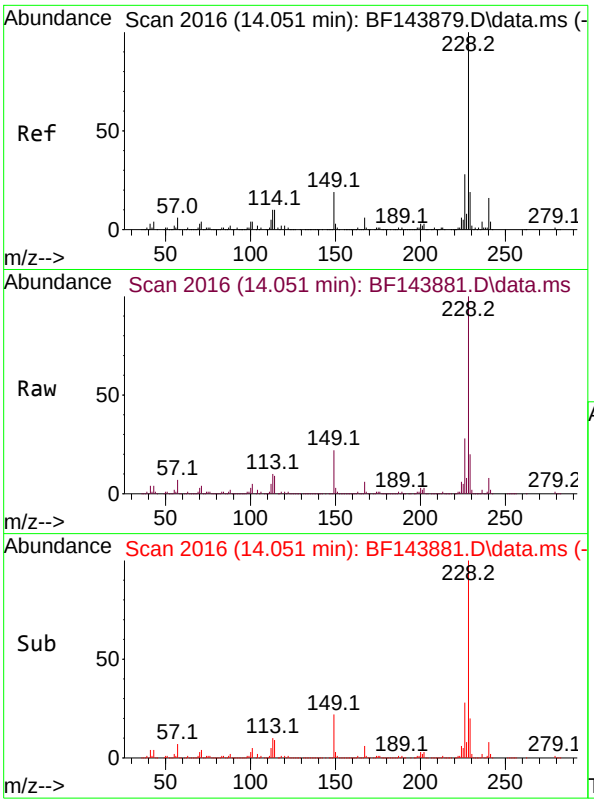


#80
Butylbenzylphthalate
Concen: 61.293 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:149 Resp: 476448

Ion	Ratio	Lower	Upper
149	100		
91	74.7	58.2	87.2
206	22.2	17.9	26.9



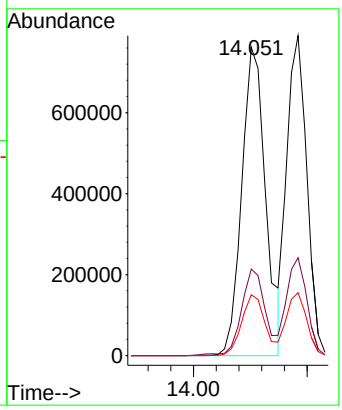


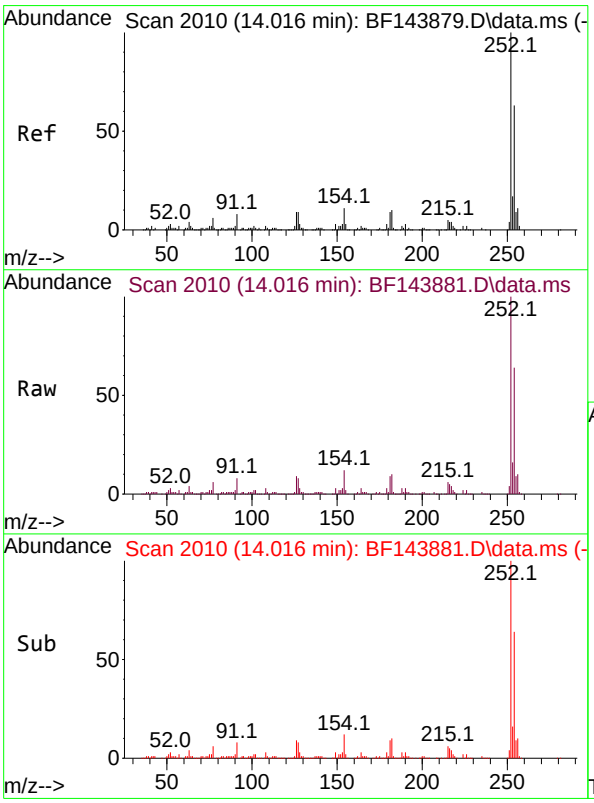
#81
Benzo(a)anthracene
Concen: 59.168 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 1111626

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.2	33.2
229	19.8	15.6	23.4

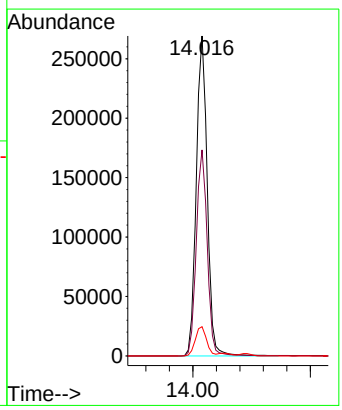


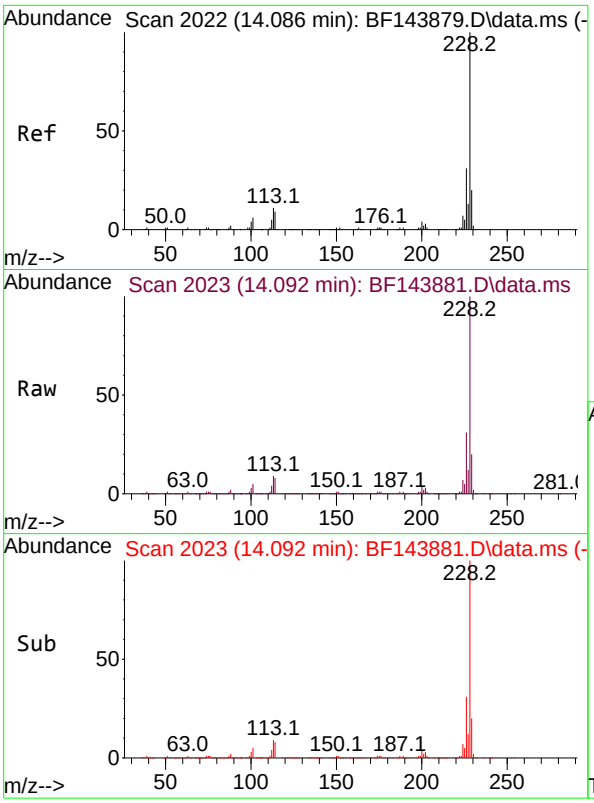


#82
3,3'-Dichlorobenzidine
Concen: 60.756 ng
RT: 14.016 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:252 Resp: 347863

Ion	Ratio	Lower	Upper
252	100		
254	64.4	50.6	76.0
126	9.1	7.0	10.6



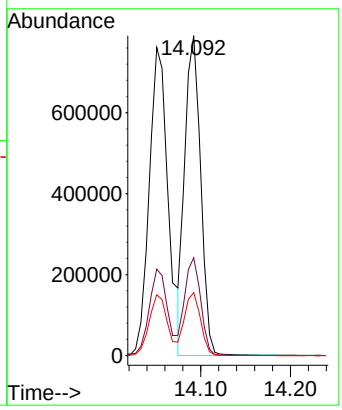


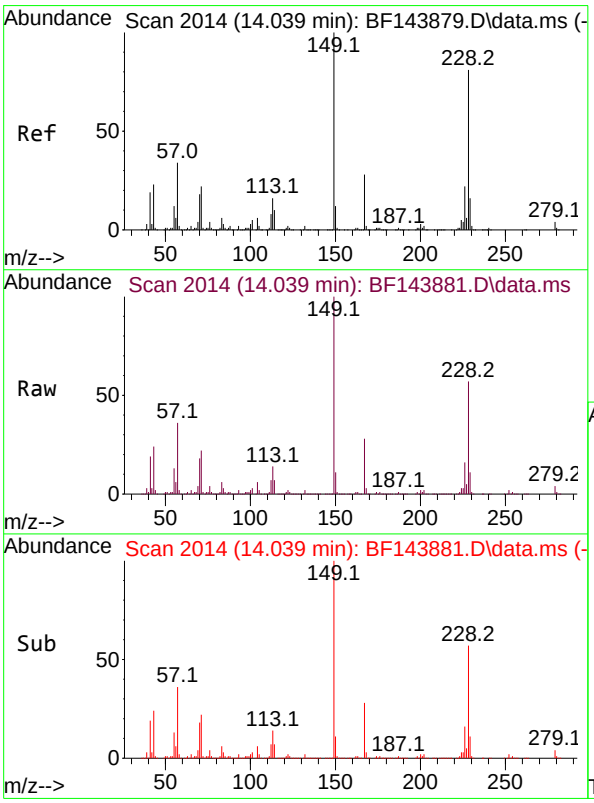
#83
Chrysene
Concen: 55.770 ng
RT: 14.092 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 969765

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.4	36.6
229	19.7	15.9	23.9

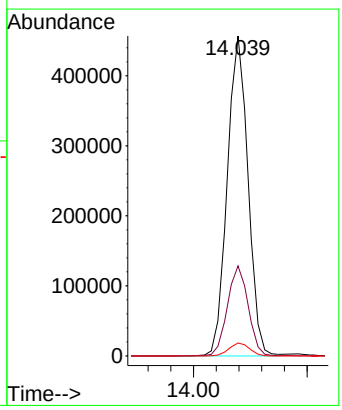


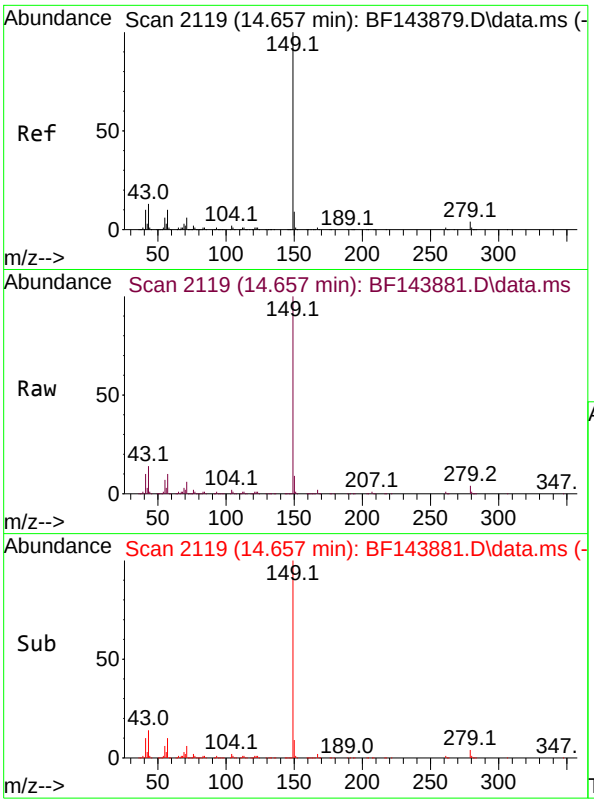


#84
Bis(2-ethylhexyl)phthalate
Concen: 61.804 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:149 Resp: 579121

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.2	33.4
279	4.0	3.1	4.7



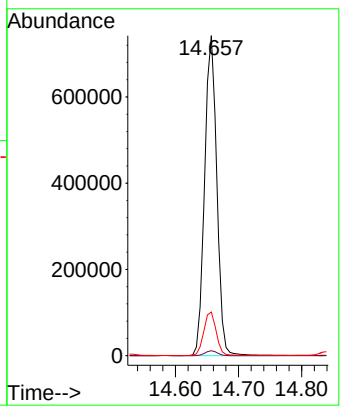


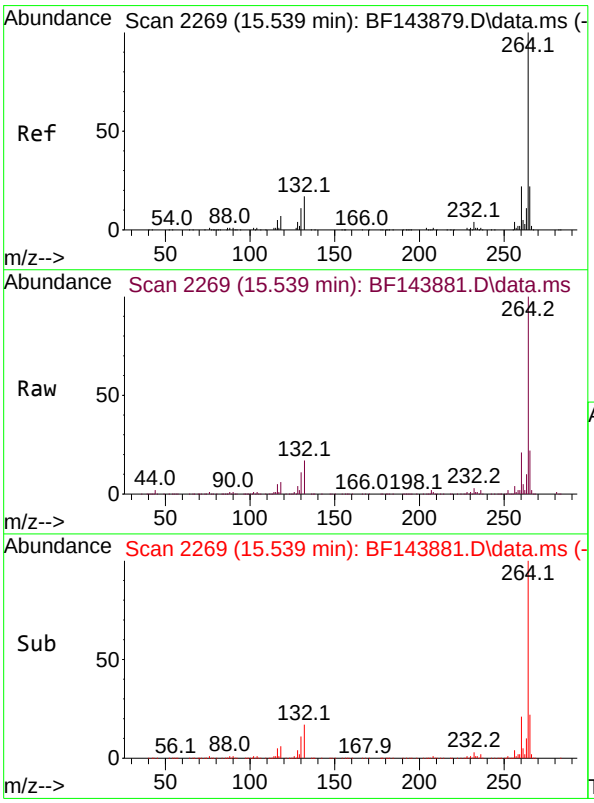
#85
Di-n-octyl phthalate
Concen: 64.431 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 991597

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	14.0	11.0	16.4

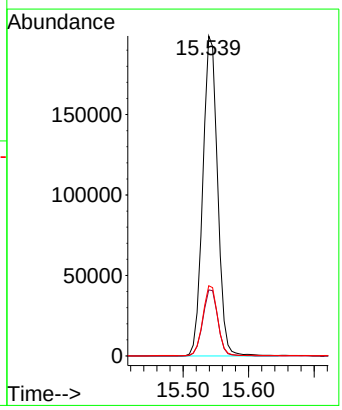


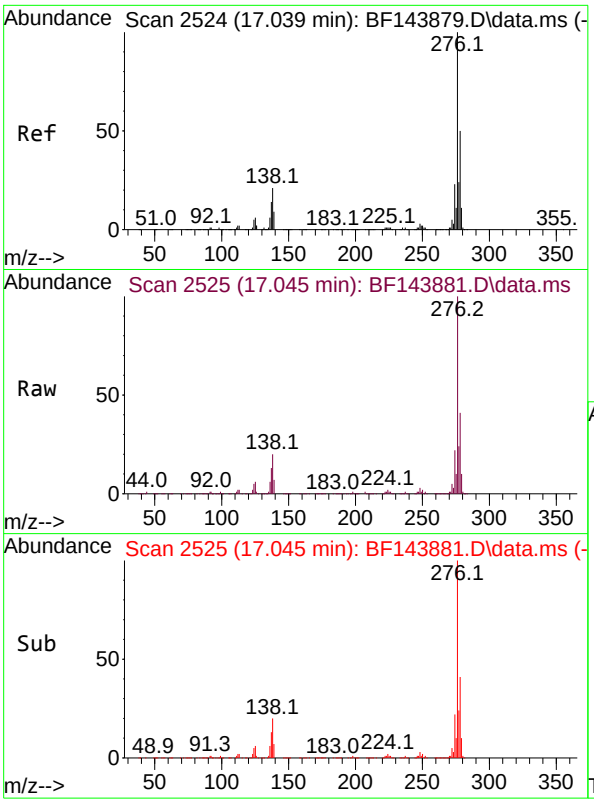


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:264 Resp: 309882

Ion	Ratio	Lower	Upper
264	100		
260	20.6	17.8	26.8
265	21.9	17.5	26.3



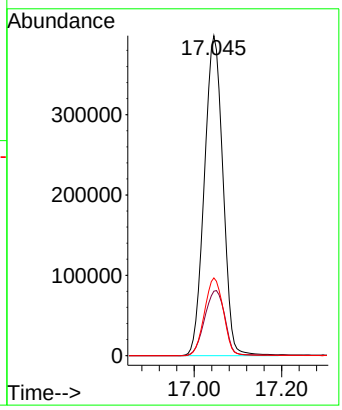


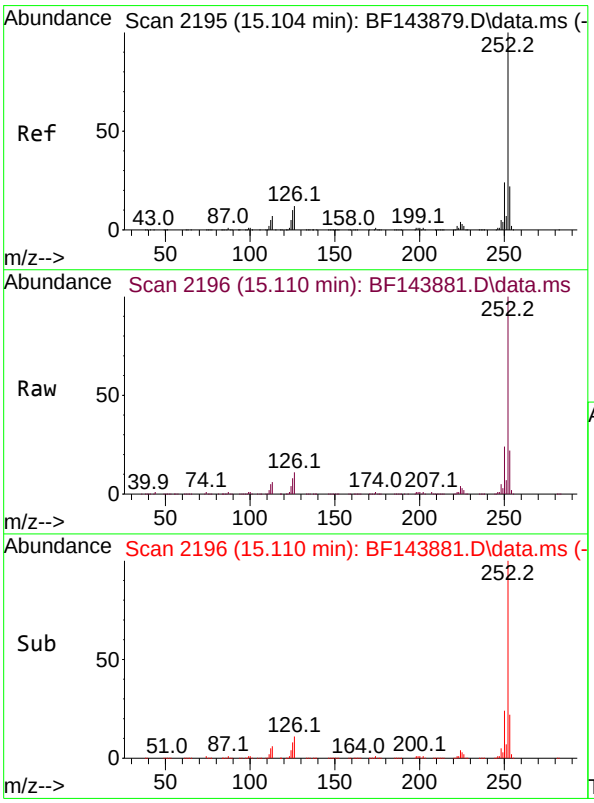
#87
Indeno(1,2,3-cd)pyrene
Concen: 61.815 ng
RT: 17.045 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 1173726

Ion	Ratio	Lower	Upper
276	100		
138	22.3	18.2	27.2
277	24.7	19.8	29.6

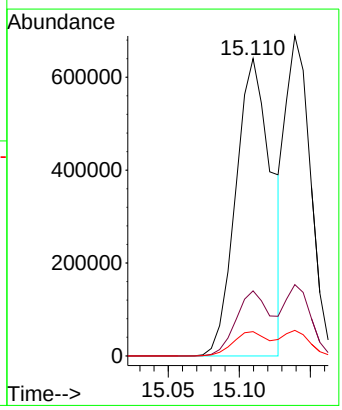


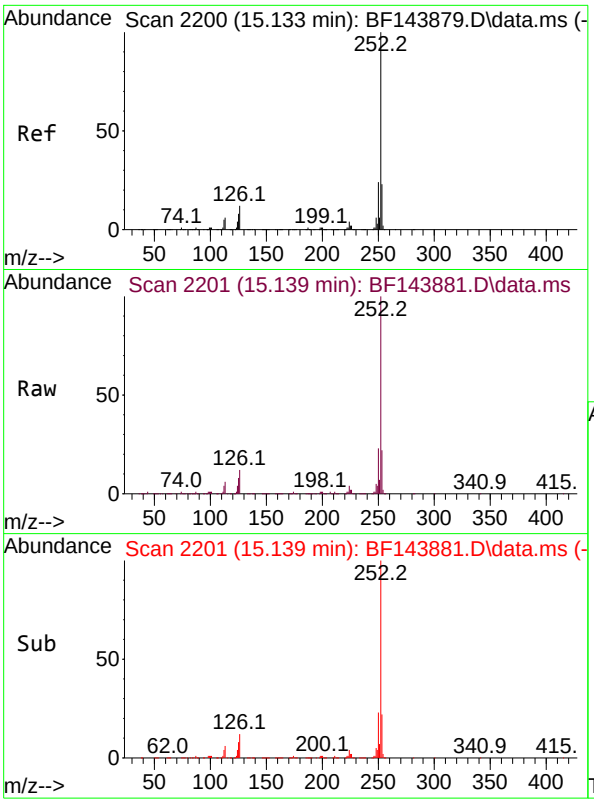


#88
Benzo(b)fluoranthene
Concen: 62.778 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:252 Resp: 1117484

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	8.2	7.8	11.6



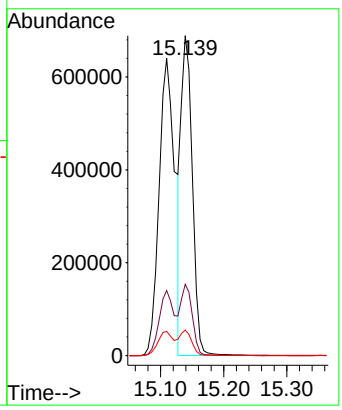


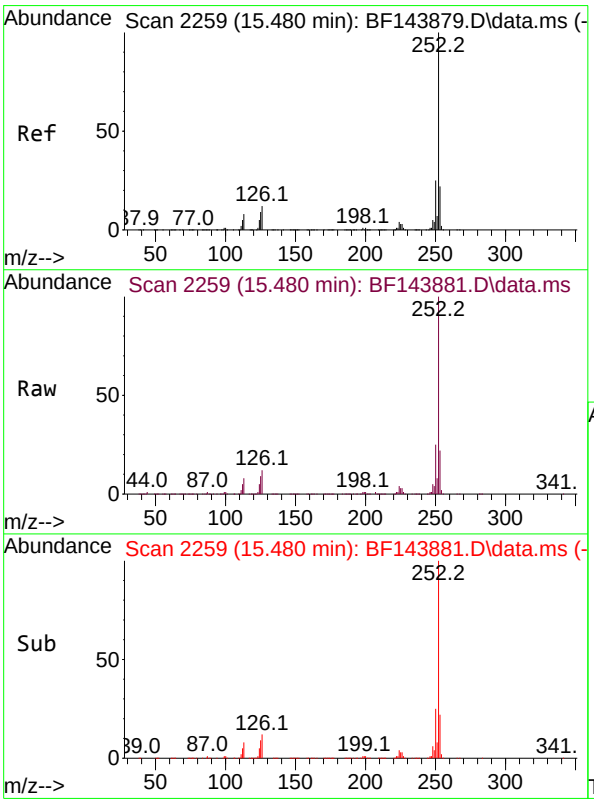
#89
Benzo(k)fluoranthene
Concen: 51.969 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 855988

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	8.0	7.4	11.2

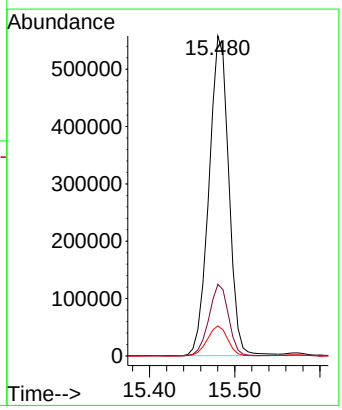


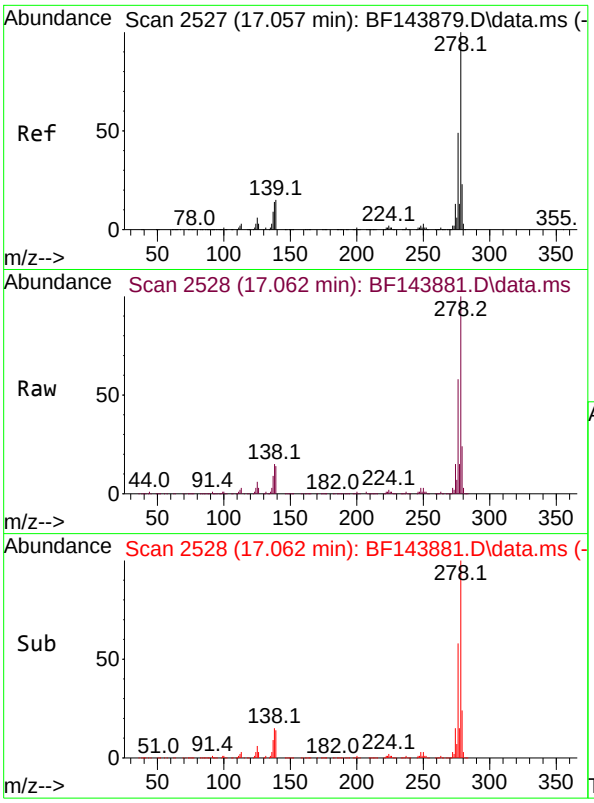


#90
Benzo(a)pyrene
Concen: 58.412 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:252 Resp: 901585

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.3	25.9
125	9.4	7.0	10.4



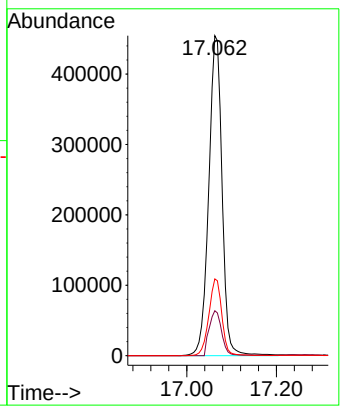


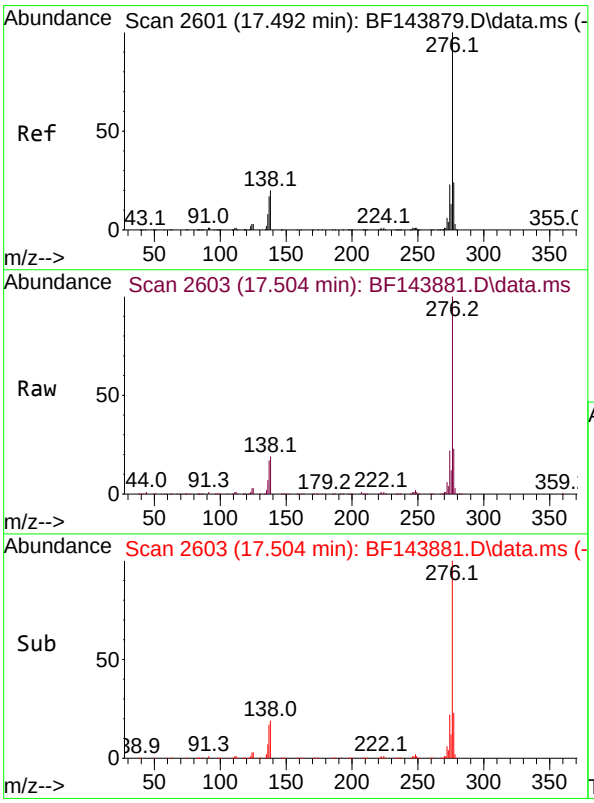
#91
Dibenzo(a,h)anthracene
Concen: 61.291 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 935987

Ion	Ratio	Lower	Upper
278	100		
139	14.0	11.7	17.5
279	24.0	18.4	27.6

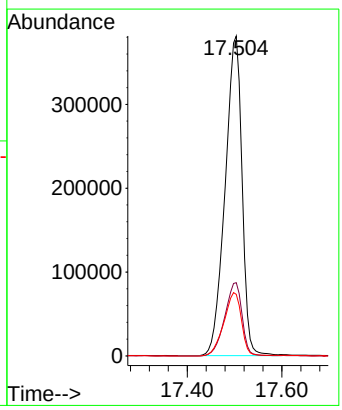




#92
Benzo(g,h,i)perylene
Concen: 61.976 ng
RT: 17.504 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:276 Resp: 946452

Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.0	28.6
138	19.2	16.1	24.1



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143882.D
Acq On : 06 Oct 2025 14:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 06 15:39:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.886	152	153550	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	584564	20.000	ng		0.00
39) Acenaphthene-d10	9.927	164	320335	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	540366	20.000	ng		0.00
76) Chrysene-d12	14.068	240	302500	20.000	ng		0.00
86) Perylene-d12	15.545	264	357911	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1325806	137.113	ng		0.00
7) Phenol-d6	6.516	99	1617892	140.374	ng		0.00
23) Nitrobenzene-d5	7.457	82	1436124	149.259	ng		0.00
42) 2,4,6-Tribromophenol	10.722	330	495811	155.397	ng		0.00
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng		
79) Terphenyl-d14	13.010	244	2382437	134.604	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.646	88	334123	74.672	ng		98
3) Pyridine	3.416	79	1009551	77.503	ng		99
4) n-Nitrosodimethylamine	3.387	42	552664	80.653	ng		96
6) Aniline	6.551	93	1226438	71.012	ng		94
8) 2-Chlorophenol	6.669	128	683900	72.356	ng		100
9) Benzaldehyde	6.439	77	546849	61.507	ng		99
10) Phenol	6.534	94	976173	70.844	ng		83
11) bis(2-Chloroethyl)ether	6.628	93	760388	71.438	ng		98
12) 1,3-Dichlorobenzene	6.828	146	746378	65.969	ng		98
13) 1,4-Dichlorobenzene	6.904	146	727973	65.228	ng		100
14) 1,2-Dichlorobenzene	7.057	146	708144	66.244	ng		99
15) Benzyl Alcohol	7.034	79	664305	76.926	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	1670583	68.951	ng		97
17) 2-Methylphenol	7.134	107	569618	72.921	ng		98
18) Hexachloroethane	7.398	117	256173	68.827	ng		98
19) n-Nitroso-di-n-propyla...	7.316	70	559967	70.978	ng		99
20) 3+4-Methylphenols	7.298	107	573027	63.295	ng	#	78
22) Acetophenone	7.304	105	795315	64.345	ng	#	92
24) Nitrobenzene	7.475	77	800306	74.900	ng		98
25) Isophorone	7.722	82	1534787	75.651	ng		98
26) 2-Nitrophenol	7.786	139	389145	84.948	ng		98
27) 2,4-Dimethylphenol	7.822	122	616626	74.828	ng		99
28) bis(2-Chloroethoxy)met...	7.922	93	888473	69.328	ng		99
29) 2,4-Dichlorophenol	8.028	162	620755	72.318	ng		98
30) 1,2,4-Trichlorobenzene	8.110	180	583022	69.063	ng		99
31) Naphthalene	8.192	128	1710914	64.341	ng		99
32) Benzoic acid	7.963	122	539440m	94.587	ng		
33) 4-Chloroaniline	8.239	127	697350	69.923	ng		98
34) Hexachlorobutadiene	8.310	225	404619	68.974	ng		98
35) Caprolactam	8.645	113	218801	80.169	ng		97
36) 4-Chloro-3-methylphenol	8.722	107	598614	72.601	ng		98
37) 2-Methylnaphthalene	8.886	142	1138146	64.254	ng		99
38) 1-Methylnaphthalene	8.986	142	1087879	63.318	ng		98
40) 1,2,4,5-Tetrachloroben...	9.051	216	594660	67.166	ng		98
41) Hexachlorocyclopentadiene	9.033	237	301178	81.998	ng		99
43) 2,4,6-Trichlorophenol	9.163	196	481852	74.487	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143882.D
Acq On : 06 Oct 2025 14:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 06 15:39:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	487322	71.286	ng	99
46) 1,1'-Biphenyl	9.351	154	1344805	63.407	ng	98
47) 2-Chloronaphthalene	9.375	162	1170019	66.165	ng	98
48) 2-Nitroaniline	9.469	65	445537	79.693	ng	99
49) Acenaphthylene	9.786	152	1644728	66.159	ng	100
50) Dimethylphthalate	9.645	163	1415482	69.582	ng	100
51) 2,6-Dinitrotoluene	9.716	165	303176	80.372	ng	97
52) Acenaphthene	9.963	154	1085733	66.651	ng	99
53) 3-Nitroaniline	9.886	138	365960	79.233	ng	98
54) 2,4-Dinitrophenol	9.986	184	187560	80.556	ng	97
55) Dibenzofuran	10.133	168	1471622	63.998	ng	98
56) 4-Nitrophenol	10.039	139	294937	84.335	ng	95
57) 2,4-Dinitrotoluene	10.116	165	409463	79.779	ng	94
58) Fluorene	10.480	166	1069764	61.654	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	368599	76.170	ng	98
60) Diethylphthalate	10.351	149	1267085	67.047	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	572035	62.357	ng	96
62) 4-Nitroaniline	10.510	138	351634	79.169	ng	98
63) Azobenzene	10.633	77	1351920	68.446	ng	97
65) 4,6-Dinitro-2-methylph...	10.533	198	236863	87.227	ng	99
66) n-Nitrosodiphenylamine	10.592	169	1139482	67.159	ng	98
67) 4-Bromophenyl-phenylether	10.963	248	423148	70.857	ng	98
68) Hexachlorobenzene	11.027	284	498602	72.118	ng	97
69) Atrazine	11.121	200	347749	67.621	ng	99
70) Pentachlorophenol	11.221	266	318486	80.208	ng	99
71) Phenanthrene	11.445	178	1676081	63.980	ng	99
72) Anthracene	11.498	178	1688865	63.814	ng	99
73) Carbazole	11.651	167	1519615	64.832	ng	100
74) Di-n-butylphthalate	11.980	149	1793855	66.034	ng	100
75) Fluoranthene	12.633	202	1706368	63.059	ng	99
78) Pyrene	12.863	202	1718085	68.126	ng	99
80) Butylbenzylphthalate	13.480	149	633516	77.349	ng	97
81) Benzo(a)anthracene	14.057	228	1449801	73.238	ng	99
82) 3,3'-Dichlorobenzidine	14.015	252	461359	76.476	ng	98
83) Chrysene	14.092	228	1349286	73.645	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	749327	75.897	ng	100
85) Di-n-octyl phthalate	14.657	149	1370760	84.532	ng	99
87) Indeno(1,2,3-cd)pyrene	17.056	276	1786876	81.478	ng	99
88) Benzo(b)fluoranthene	15.115	252	1431875	69.645	ng	98
89) Benzo(k)fluoranthene	15.145	252	1362026	71.595	ng	98
90) Benzo(a)pyrene	15.486	252	1321893	74.151	ng	99
91) Dibenzo(a,h)anthracene	17.080	278	1391562	78.895	ng	97
92) Benzo(g,h,i)perylene	17.515	276	1451721	82.305	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

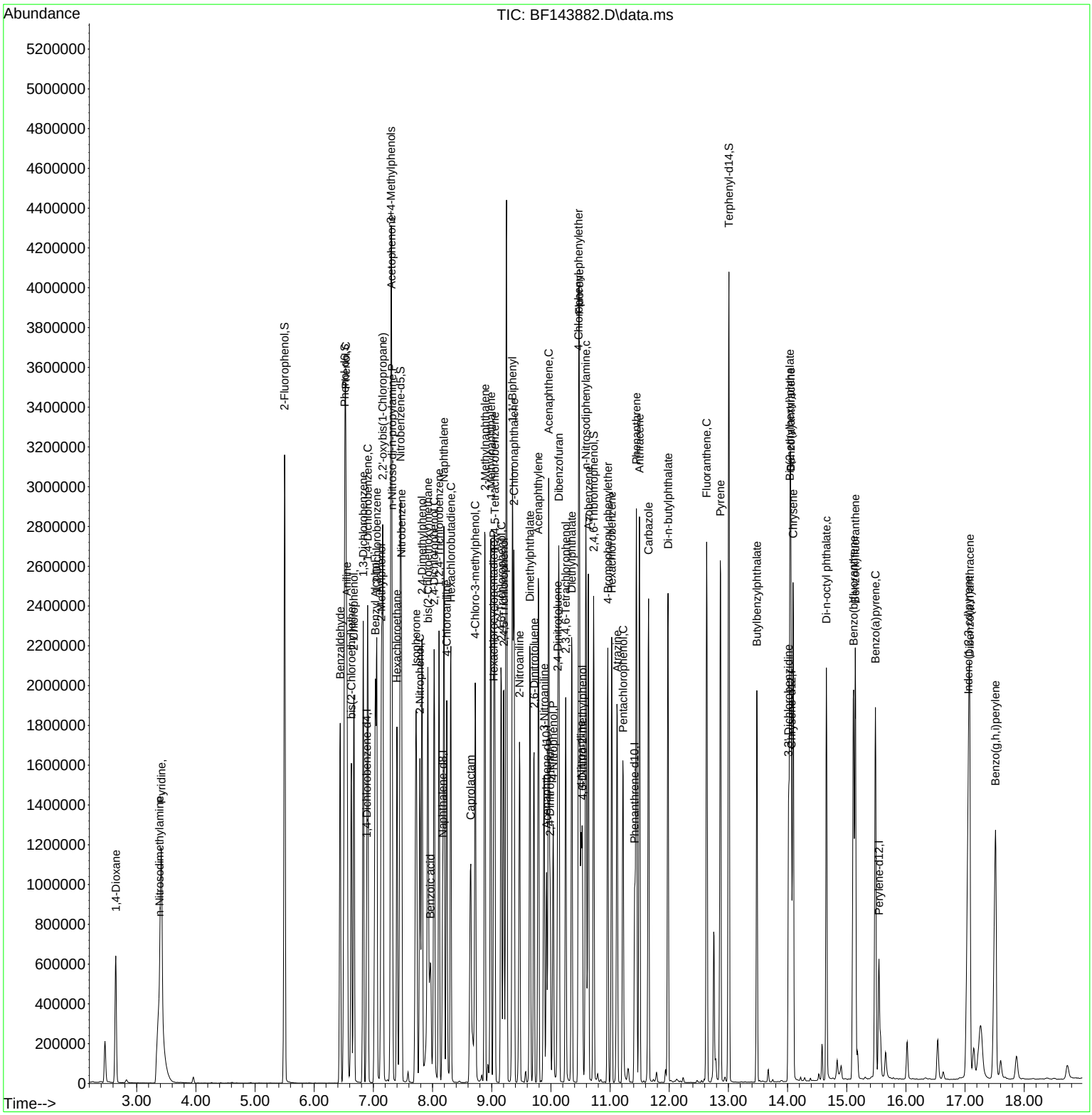
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143882.D
Acq On : 06 Oct 2025 14:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

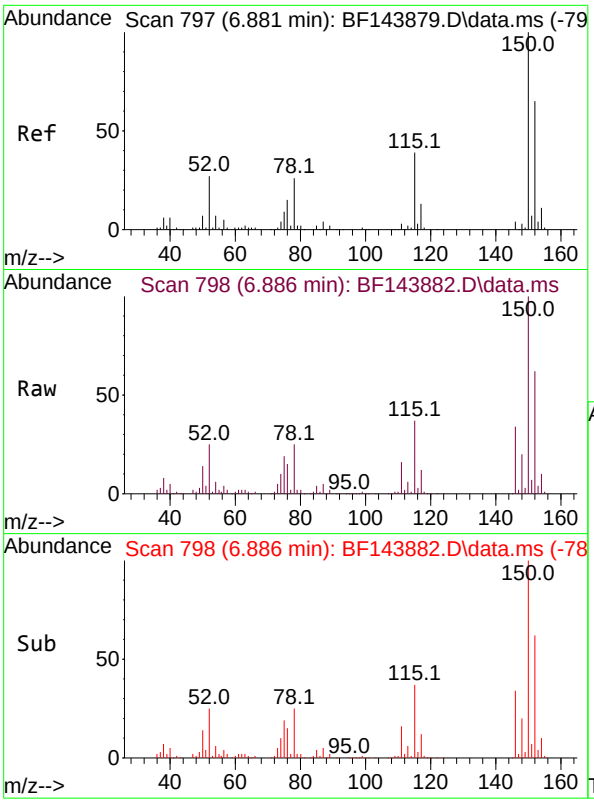
Quant Time: Oct 06 15:39:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

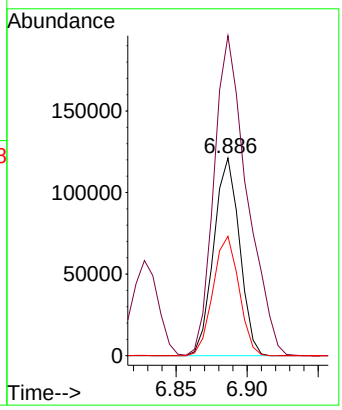




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:152 Resp: 153550

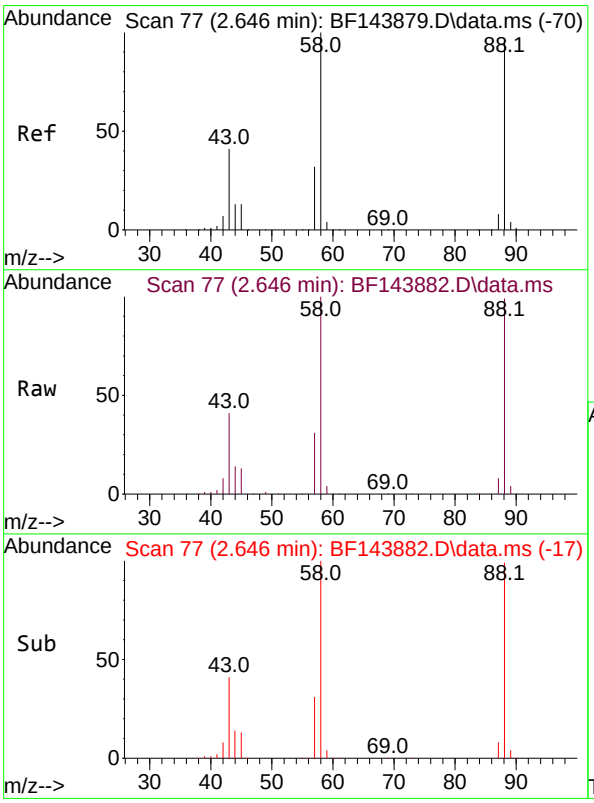
Ion	Ratio	Lower	Upper
152	100		
150	162.0	124.4	186.6
115	60.3	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

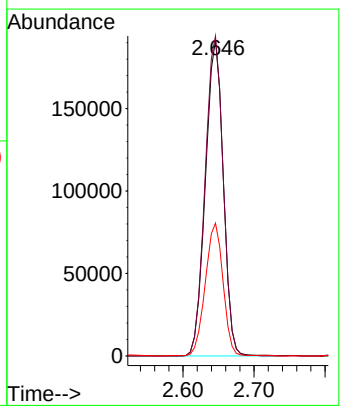
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

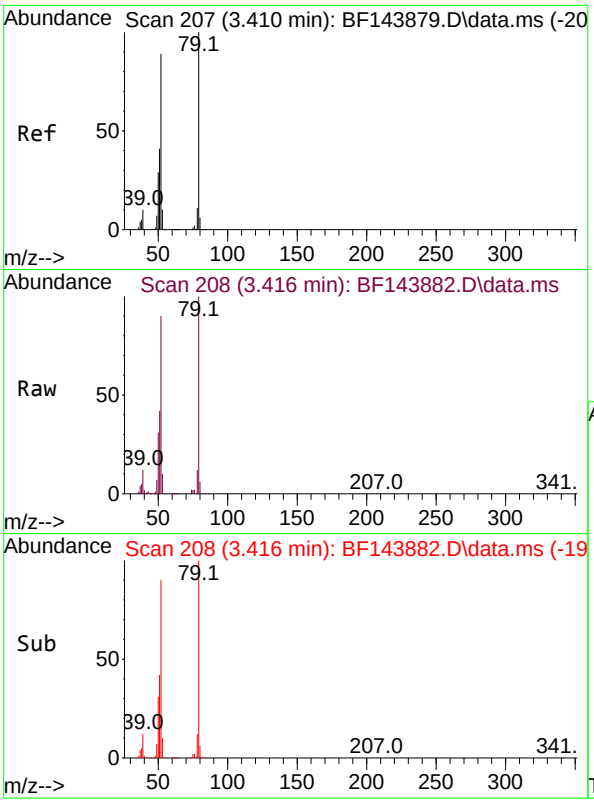


#2
1,4-Dioxane
Concen: 74.672 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 88 Resp: 334123

Ion	Ratio	Lower	Upper
88	100		
58	102.1	83.0	124.6
43	41.3	33.9	50.9

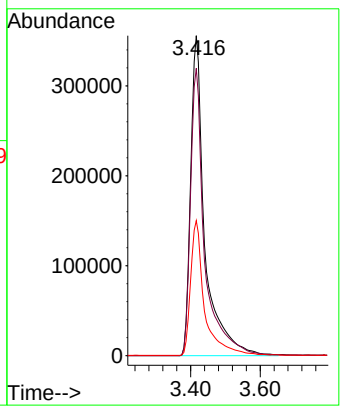




#3
Pyridine
Concen: 77.503 ng
RT: 3.416 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 79 Resp: 100955

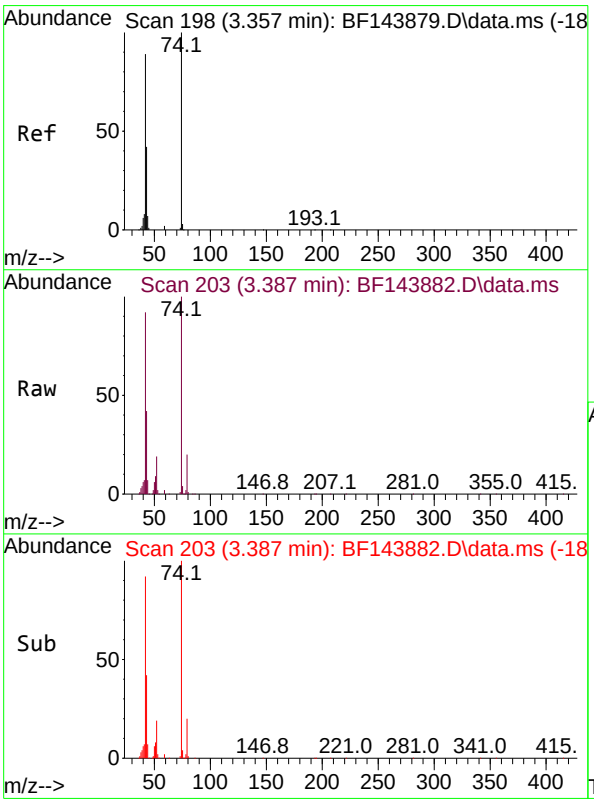
Ion	Ratio	Lower	Upper
79	100		
52	89.8	71.5	107.3
51	42.2	32.9	49.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

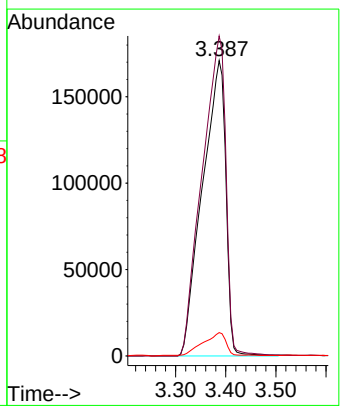
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

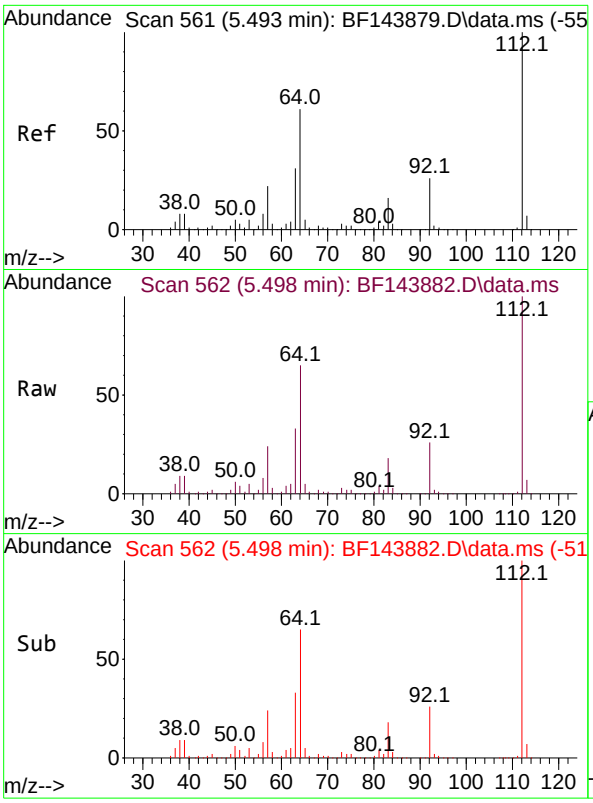


#4
n-Nitrosodimethylamine
Concen: 80.653 ng
RT: 3.387 min Scan# 203
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 42 Resp: 552664

Ion	Ratio	Lower	Upper
42	100		
74	108.4	90.0	135.0
44	7.9	6.2	9.2

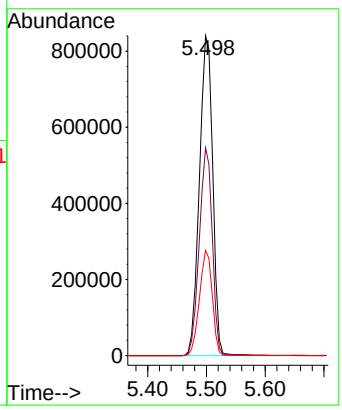




#5
2-Fluorophenol
Concen: 137.113 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:112 Resp: 132580

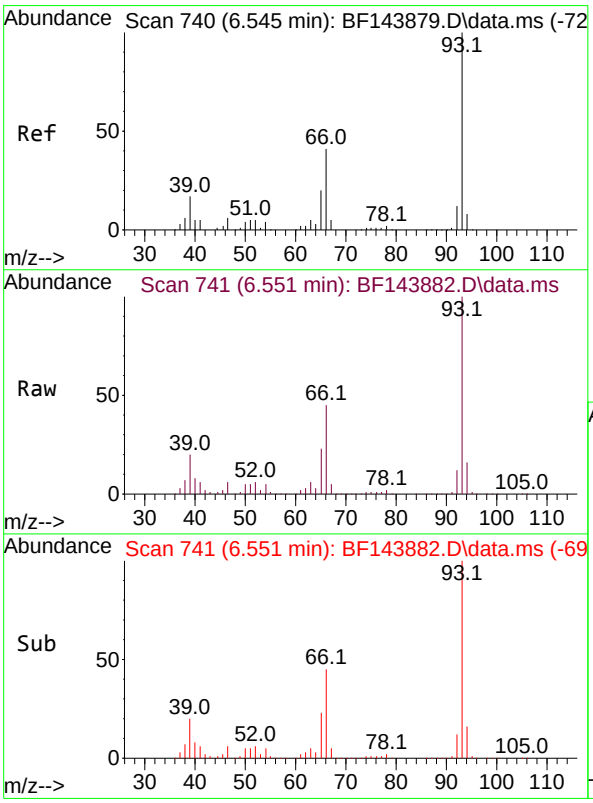
Ion	Ratio	Lower	Upper
112	100		
64	64.9	49.1	73.7
63	32.9	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

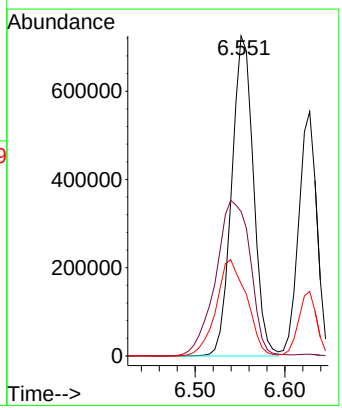
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

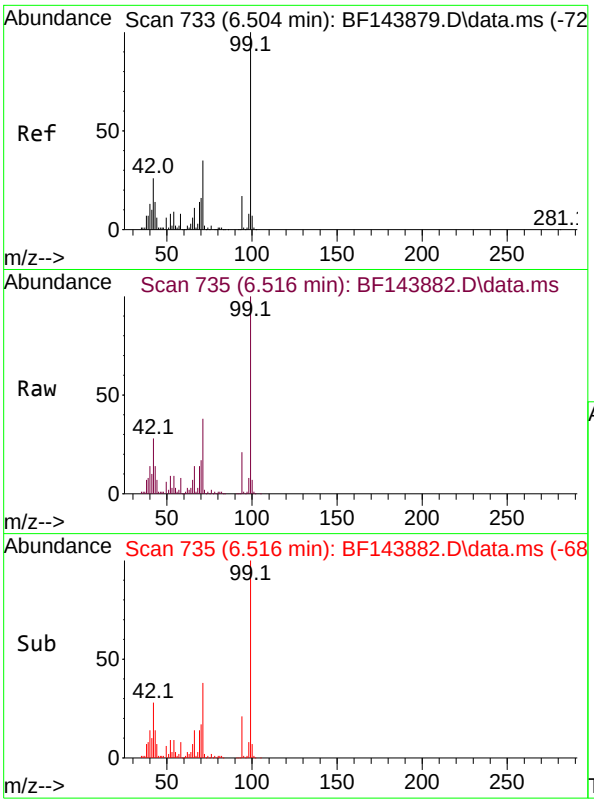


#6
Aniline
Concen: 71.012 ng
RT: 6.551 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 93 Resp: 1226438

Ion	Ratio	Lower	Upper
93	100		
66	45.1	33.0	49.6
65	22.6	15.8	23.8

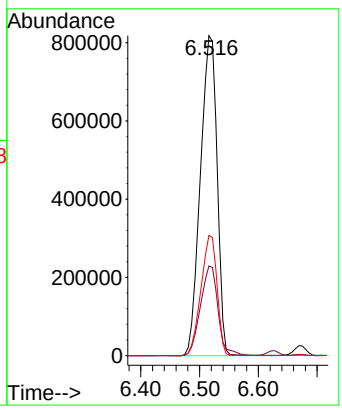




#7
Phenol-d6
Concen: 140.374 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 99 Resp: 161789

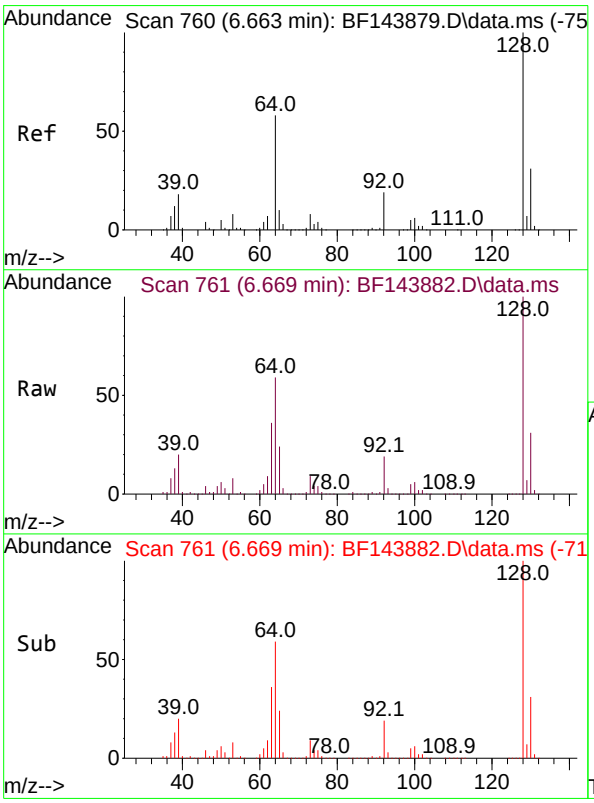
Ion	Ratio	Lower	Upper
99	100		
42	28.0	21.0	31.4
71	37.6	27.8	41.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

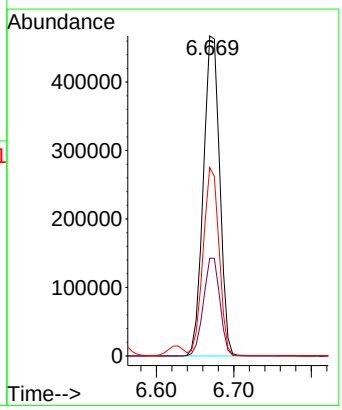
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

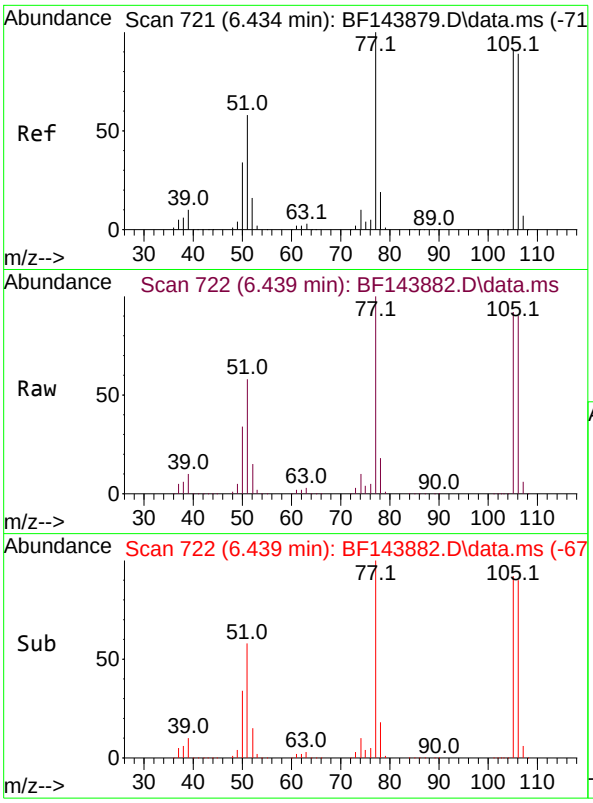


#8
2-Chlorophenol
Concen: 72.356 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:128 Resp: 683900

Ion	Ratio	Lower	Upper
128	100		
130	30.5	10.7	50.7
64	58.9	39.0	79.0

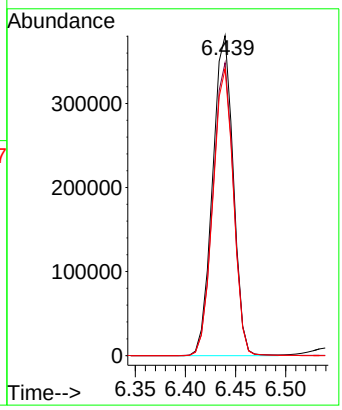




#9
Benzaldehyde
Concen: 61.507 ng
RT: 6.439 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 77 Resp: 54684

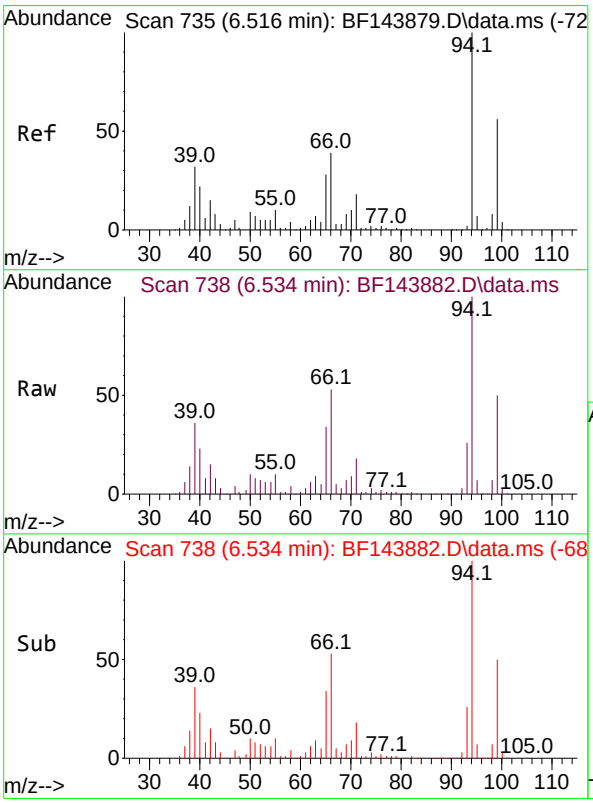
Ion	Ratio	Lower	Upper
77	100		
105	91.5	70.9	110.9
106	89.6	68.9	108.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

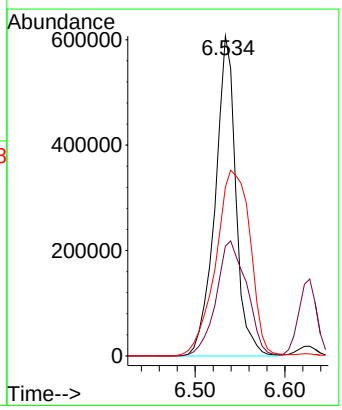
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

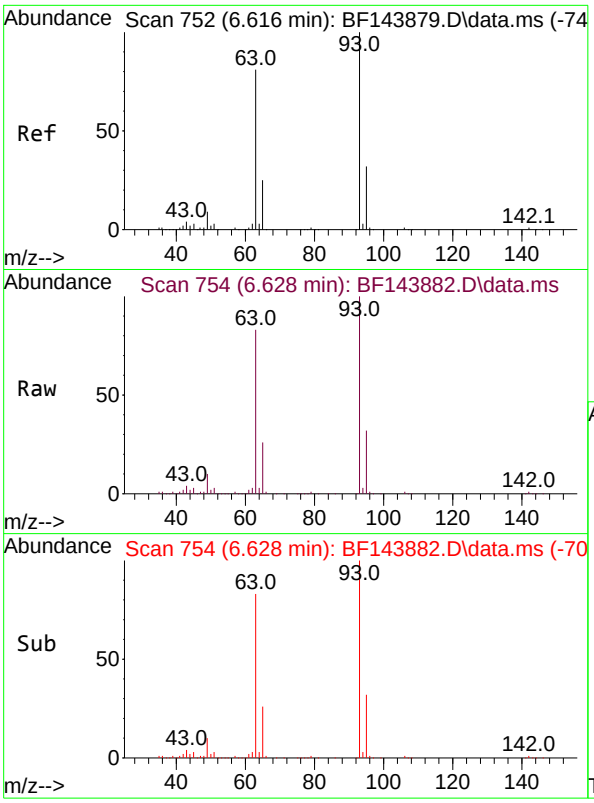


#10
Phenol
Concen: 70.844 ng
RT: 6.534 min Scan# 738
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 94 Resp: 976173

Ion	Ratio	Lower	Upper
94	100		
65	34.4	8.5	48.5
66	52.8	19.9	59.9

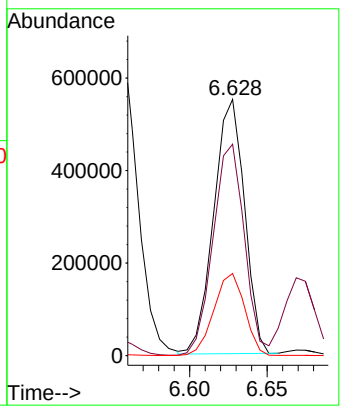




#11
bis(2-Chloroethyl)ether
Concen: 71.438 ng
RT: 6.628 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 93 Resp: 76038

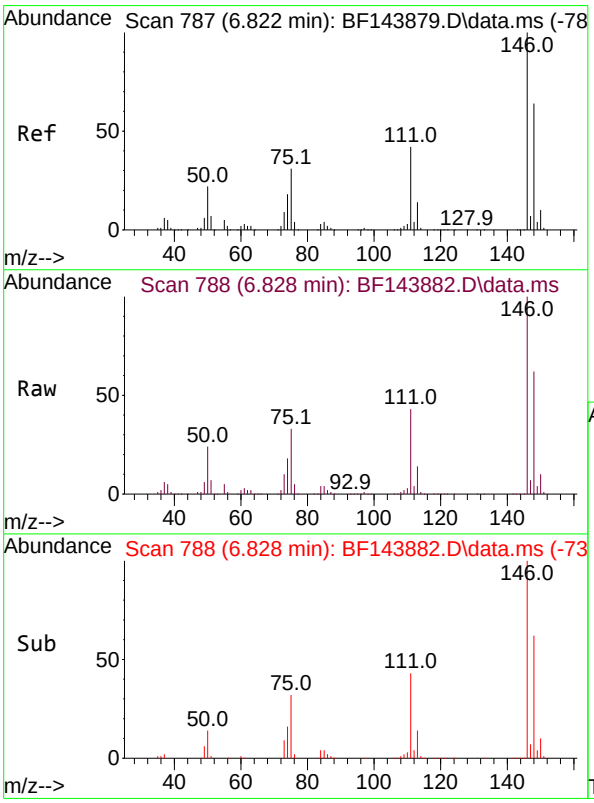
Ion	Ratio	Lower	Upper
93	100		
63	82.5	60.9	100.9
95	32.0	11.5	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

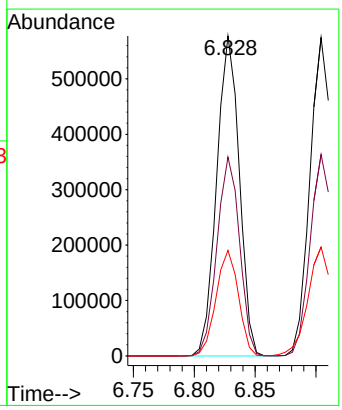
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

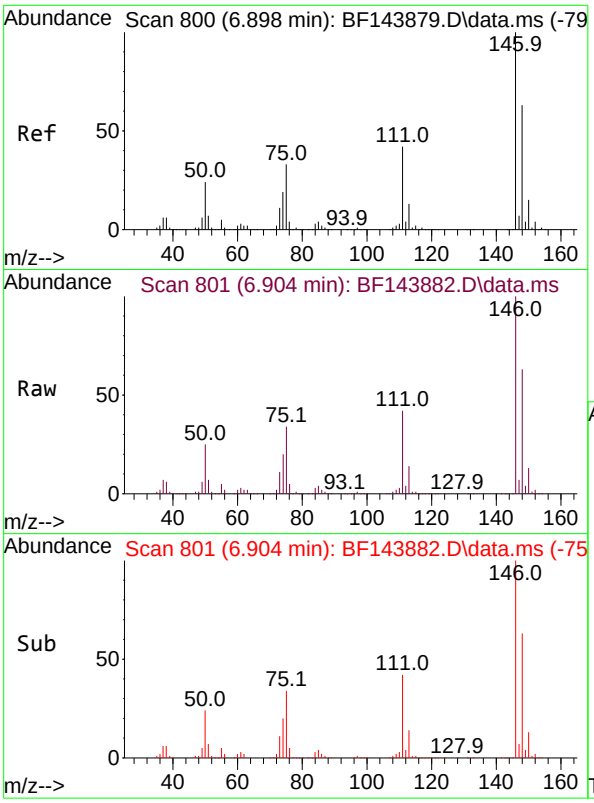


#12
1,3-Dichlorobenzene
Concen: 65.969 ng
RT: 6.828 min Scan# 788
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:146 Resp: 746378

Ion	Ratio	Lower	Upper
146	100		
148	62.1	51.0	76.4
75	33.0	24.9	37.3

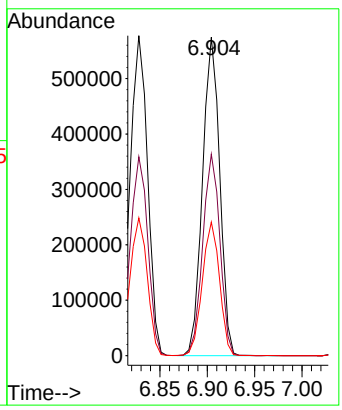




#13
1,4-Dichlorobenzene
Concen: 65.228 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:146 Resp: 72797

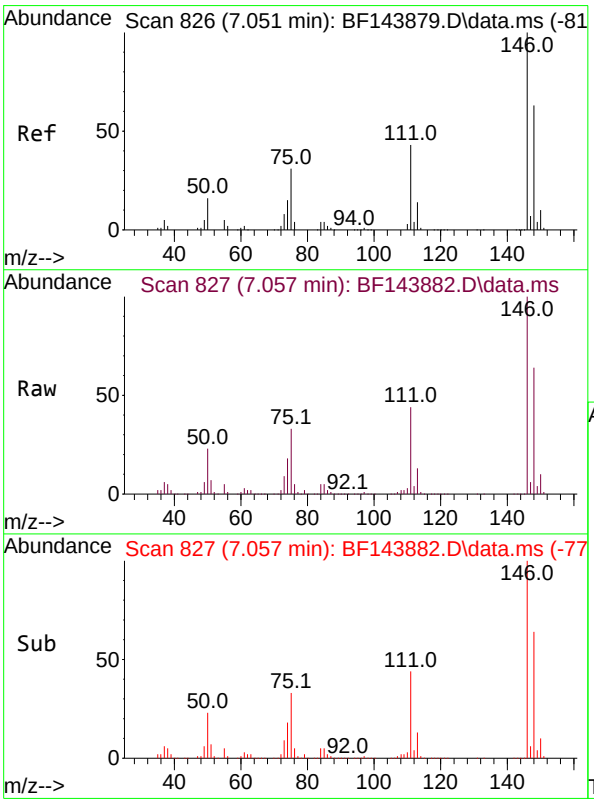
Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.5	75.7
111	42.0	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

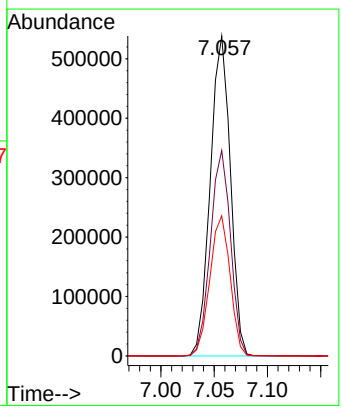
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

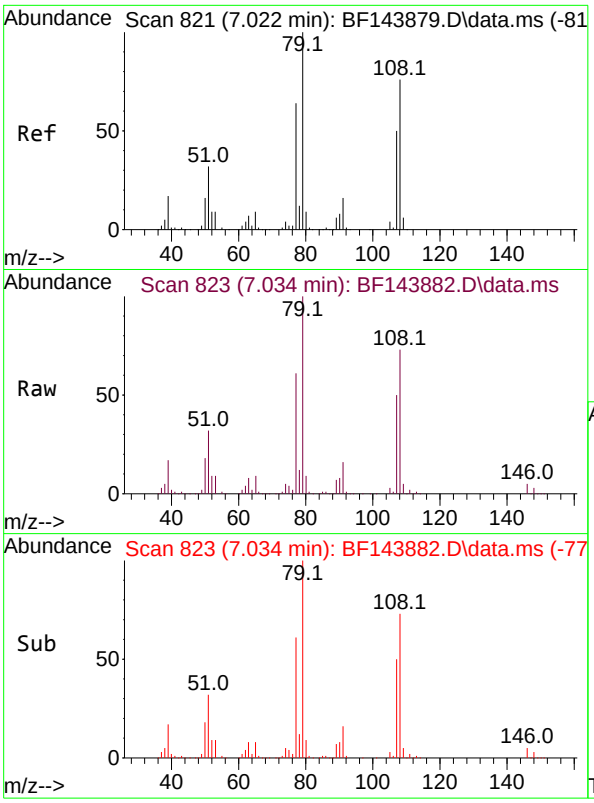


#14
1,2-Dichlorobenzene
Concen: 66.244 ng
RT: 7.057 min Scan# 827
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:146 Resp: 708144

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.6	75.8
111	43.8	34.6	51.8





#15
Benzyl Alcohol
Concen: 76.926 ng
RT: 7.034 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

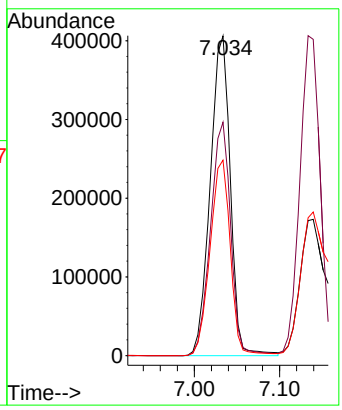
Tgt Ion: 79 Resp: 66430

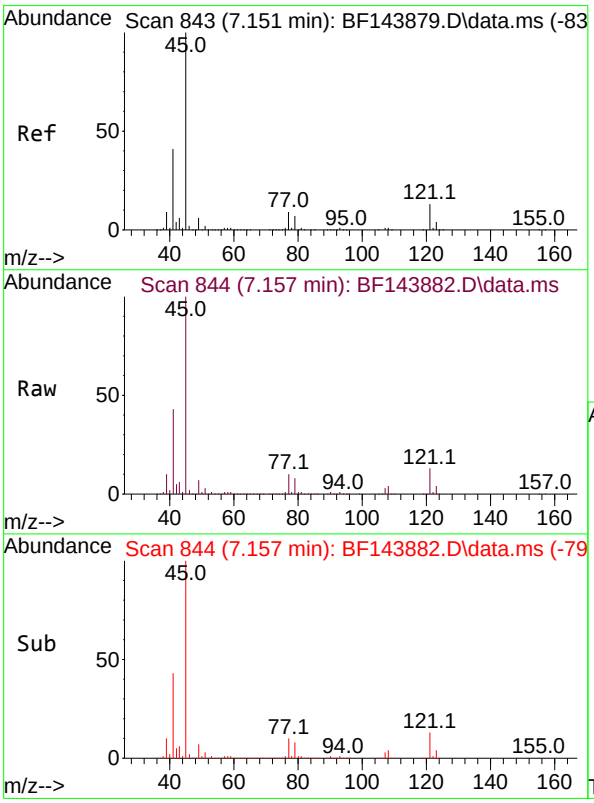
Ion	Ratio	Lower	Upper
79	100		
108	73.0	60.8	91.2
77	61.1	51.0	76.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

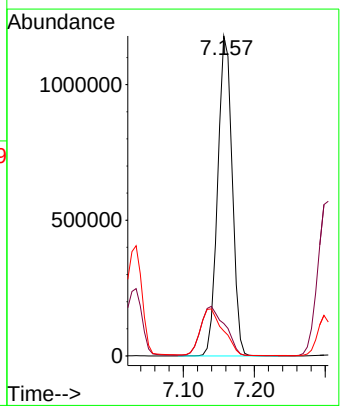


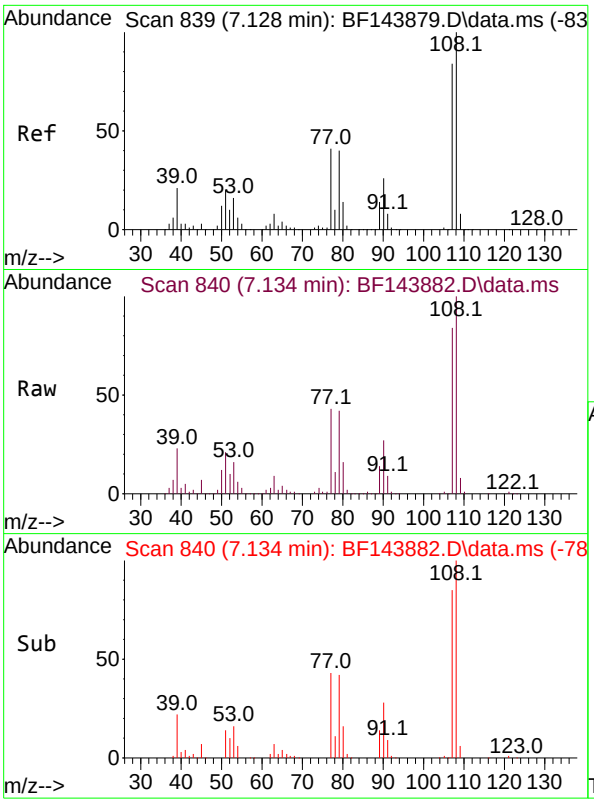


#16
2,2'-oxybis(1-Chloropropane)
Concen: 68.951 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 45 Resp: 1670583

Ion	Ratio	Lower	Upper
45	100		
77	10.1	0.0	29.0
79	7.8	0.0	26.8

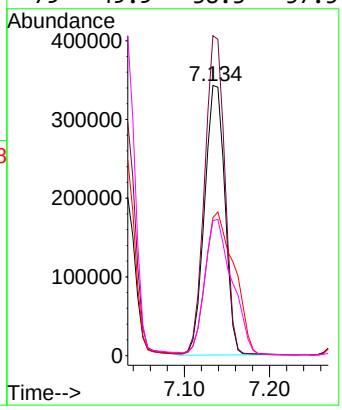




#17
2-Methylphenol
Concen: 72.921 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:107 Resp: 569618

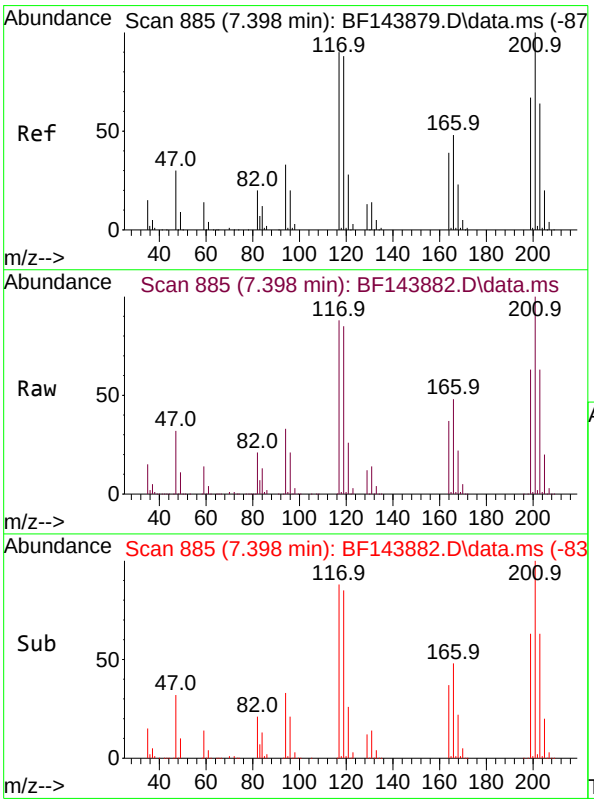
Ion	Ratio	Lower	Upper
107	100		
108	118.5	94.7	142.1
77	51.0	38.8	58.2
79	49.9	38.3	57.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

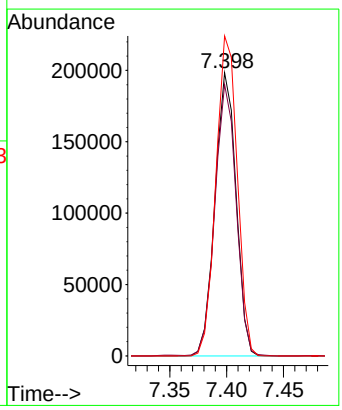
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

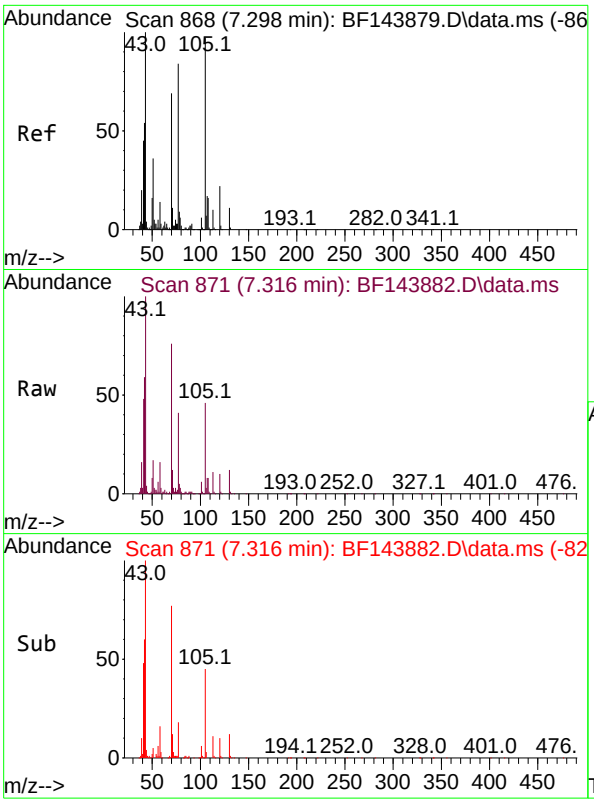


#18
Hexachloroethane
Concen: 68.827 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:117 Resp: 256173

Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.8	116.8
201	113.0	88.5	132.7

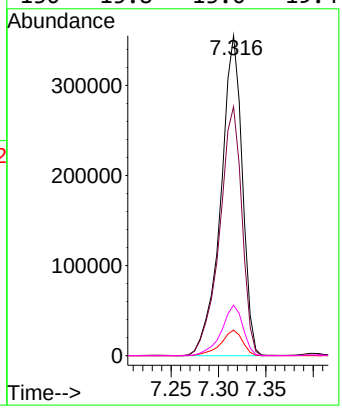




#19
n-Nitroso-di-n-propylamine
Concen: 70.978 ng
RT: 7.316 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 70 Resp: 55996

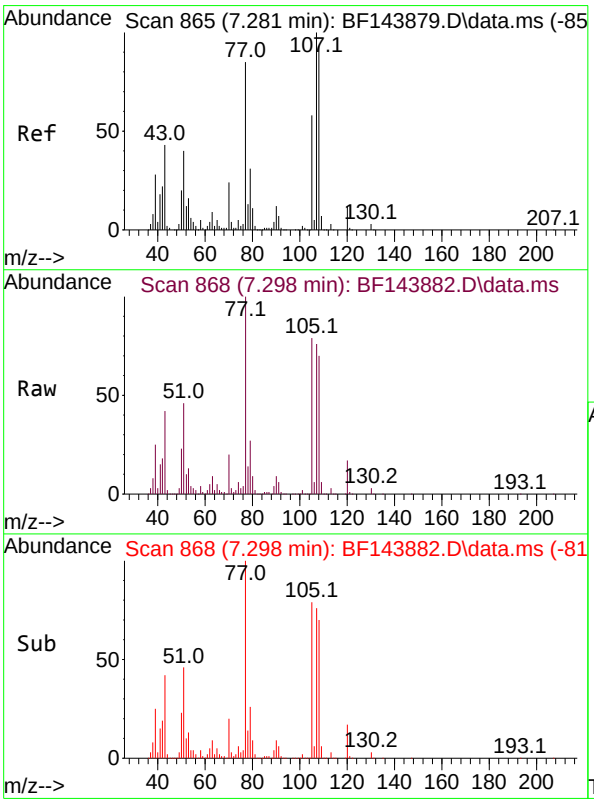
Ion	Ratio	Lower	Upper
70	100		
42	77.8	62.8	94.2
101	8.0	6.7	10.1
130	15.8	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

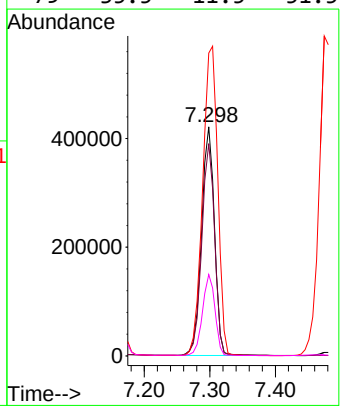
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

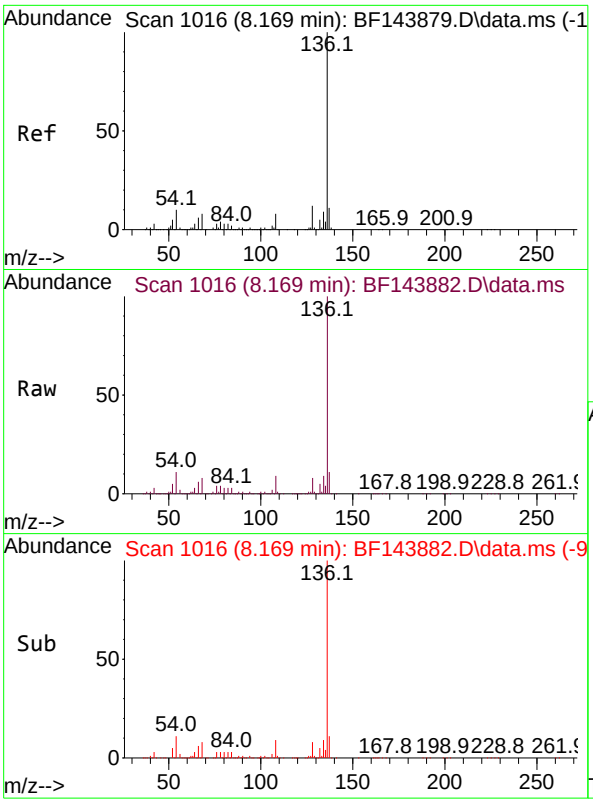


#20
3+4-Methylphenols
Concen: 63.295 ng
RT: 7.298 min Scan# 868
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:107 Resp: 573027

Ion	Ratio	Lower	Upper
107	100		
108	92.7	73.0	113.0
77	132.3	64.6	104.6#
79	35.5	11.5	51.5

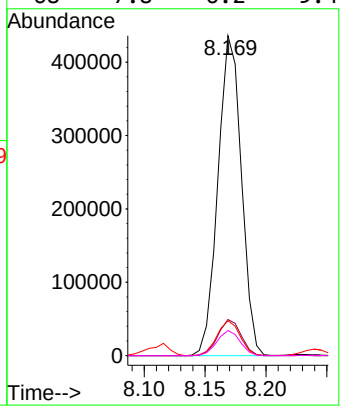




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:136 Resp: 58456

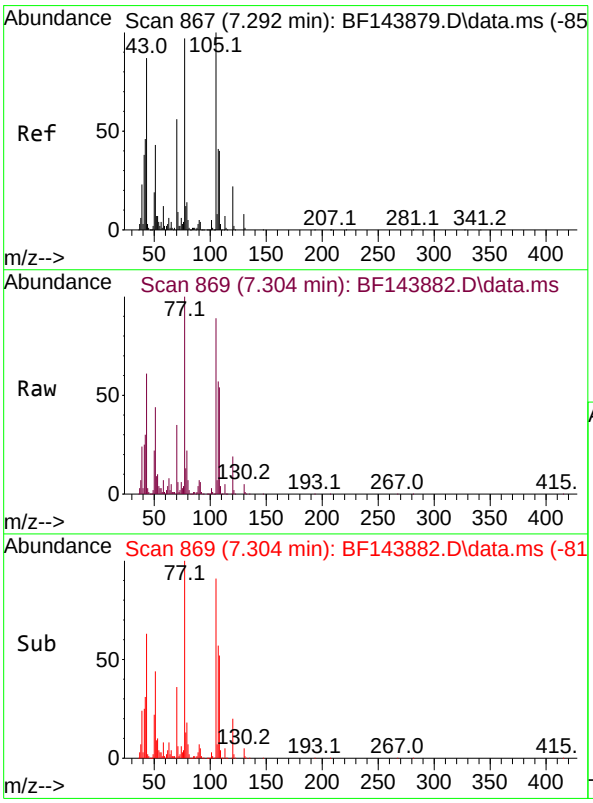
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	10.9	8.2	12.4
68	7.8	6.2	9.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

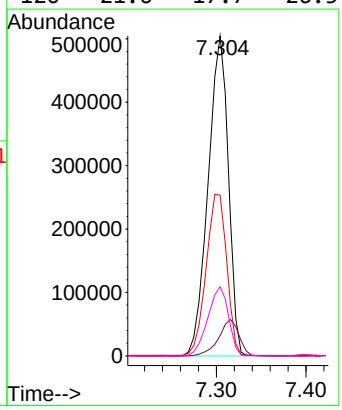
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

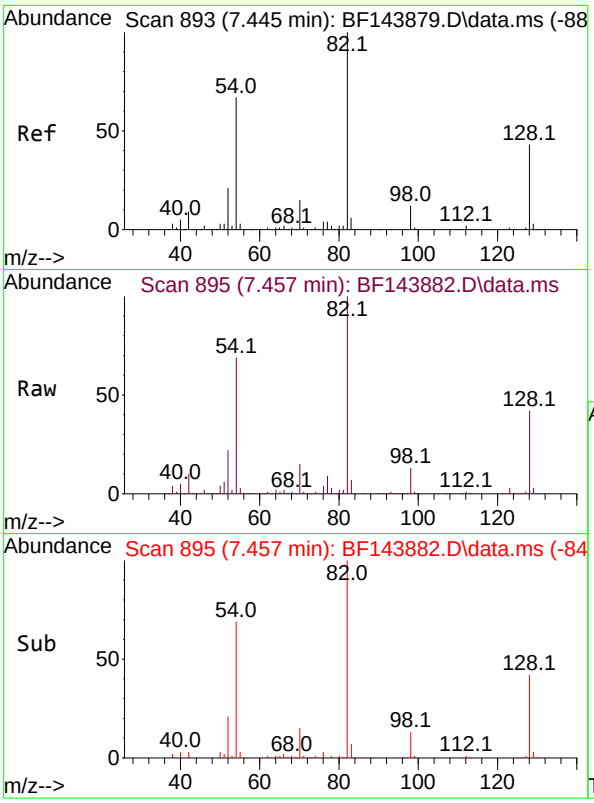


#22
Acetophenone
Concen: 64.345 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:105 Resp: 795315

Ion	Ratio	Lower	Upper
105	100		
71	6.3	7.4	11.0#
51	50.2	34.2	51.4
120	21.6	17.7	26.5

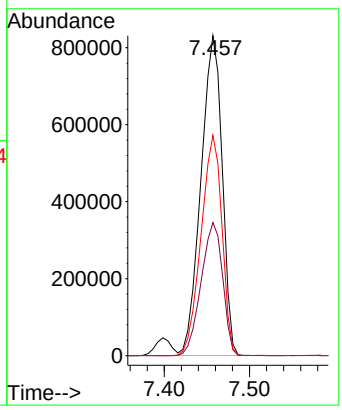




#23
Nitrobenzene-d5
Concen: 149.259 ng
RT: 7.457 min Scan# 89
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 82 Resp: 143612

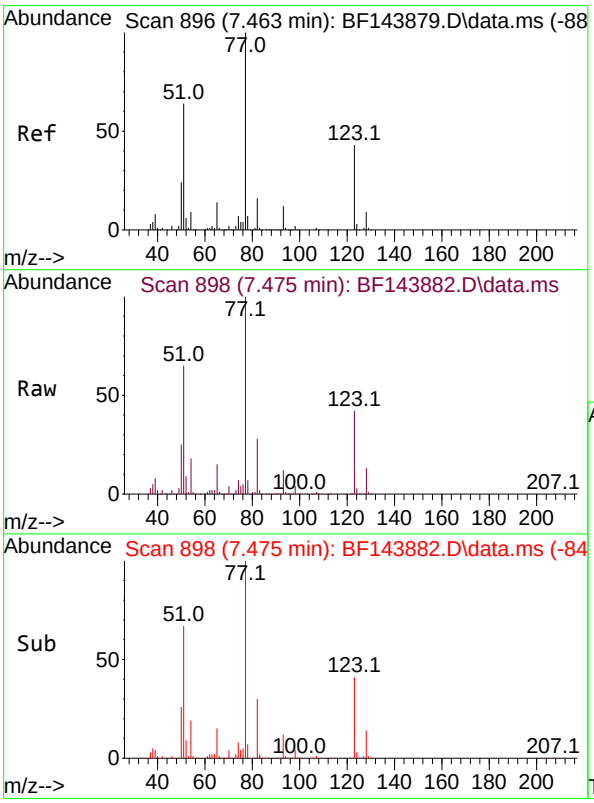
Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.0	51.0
54	68.8	53.2	79.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

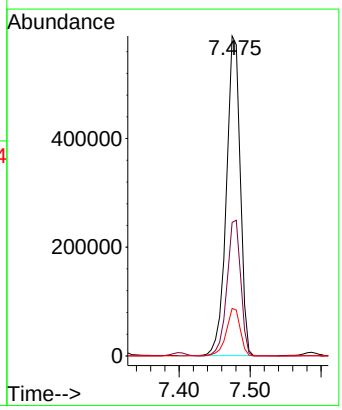
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

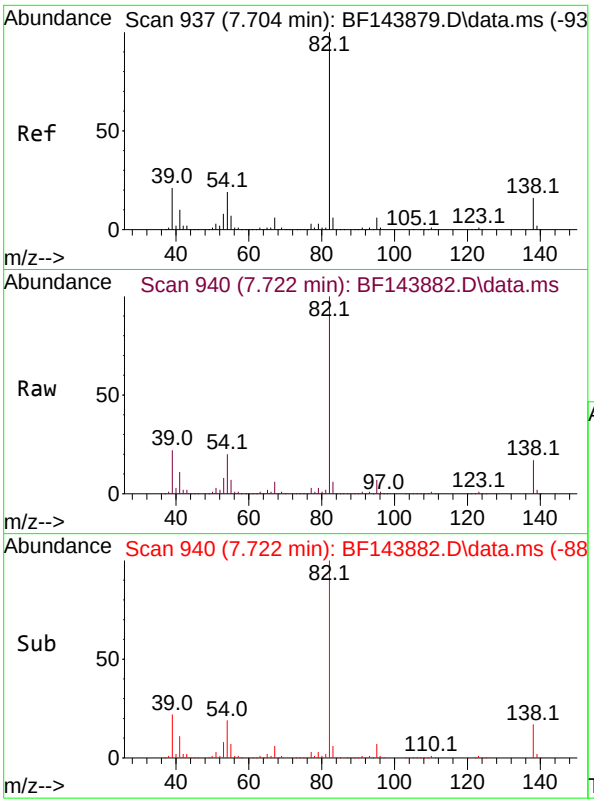


#24
Nitrobenzene
Concen: 74.900 ng
RT: 7.475 min Scan# 898
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 77 Resp: 800306

Ion	Ratio	Lower	Upper
77	100		
123	41.7	34.2	51.4
65	14.8	11.0	16.6

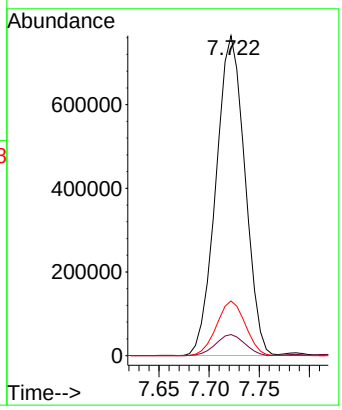




#25
Isophorone
Concen: 75.651 ng
RT: 7.722 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 82 Resp: 153478

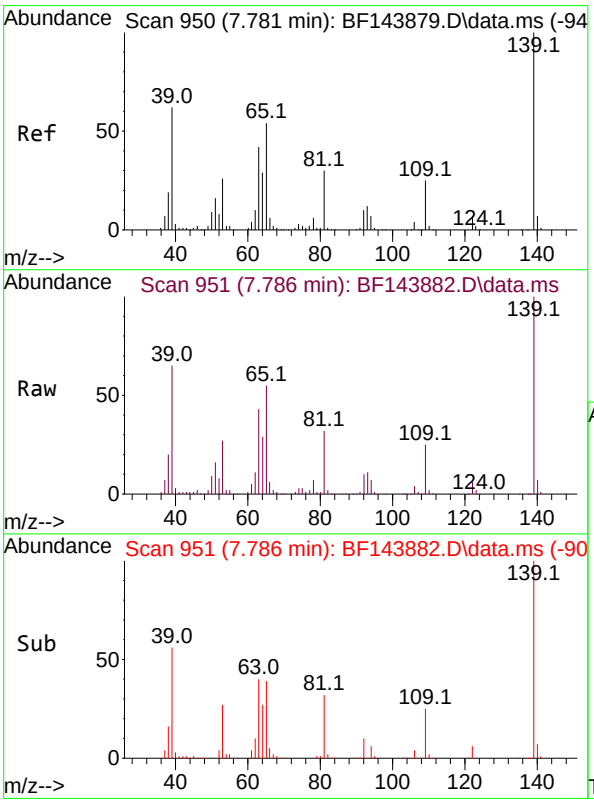
Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.1	7.7
138	17.1	12.9	19.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

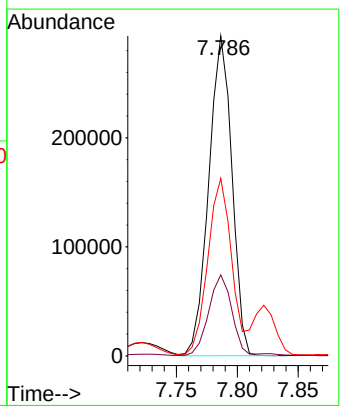
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

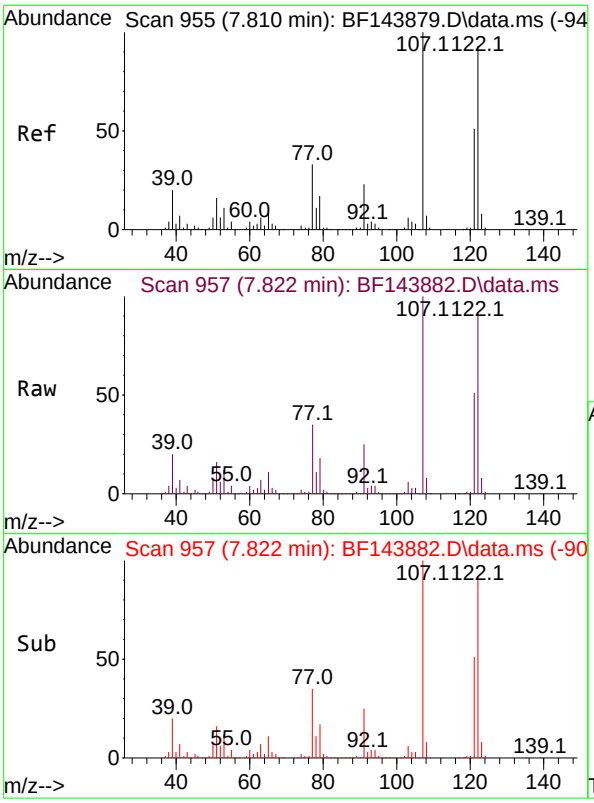


#26
2-Nitrophenol
Concen: 84.948 ng
RT: 7.786 min Scan# 951
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:139 Resp: 389145

Ion	Ratio	Lower	Upper
139	100		
109	25.3	19.8	29.6
65	55.4	42.9	64.3

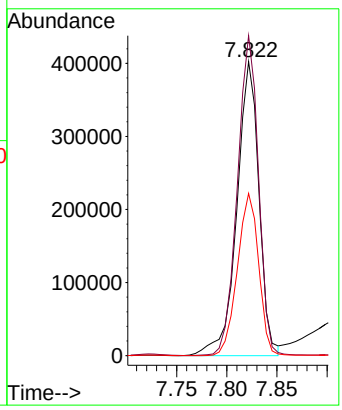




#27
2,4-Dimethylphenol
Concen: 74.828 ng
RT: 7.822 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:122 Resp: 61662

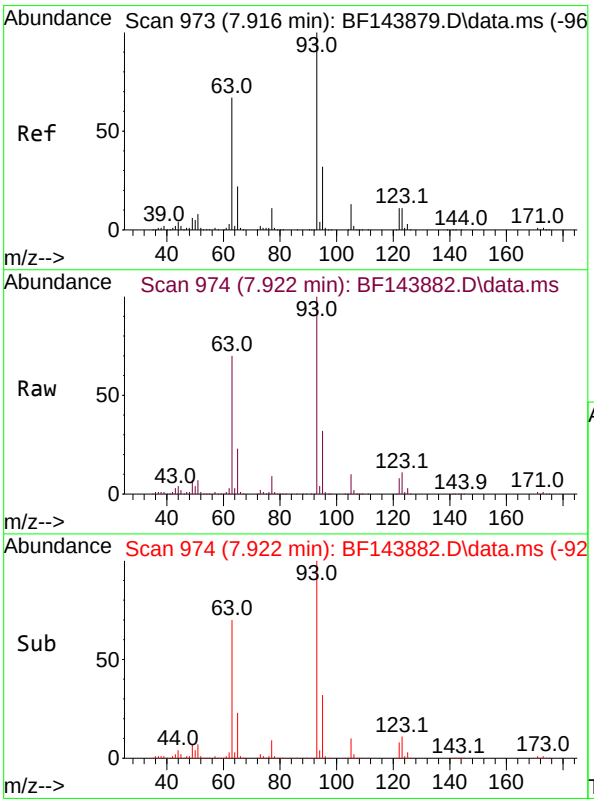
Ion	Ratio	Lower	Upper
122	100		
107	108.9	86.1	129.1
121	55.2	43.8	65.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

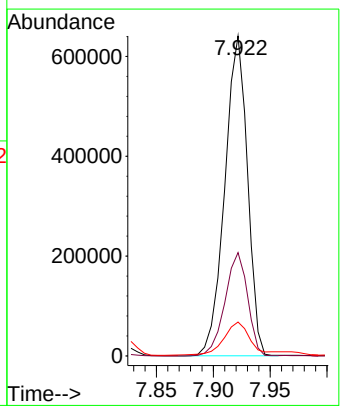
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

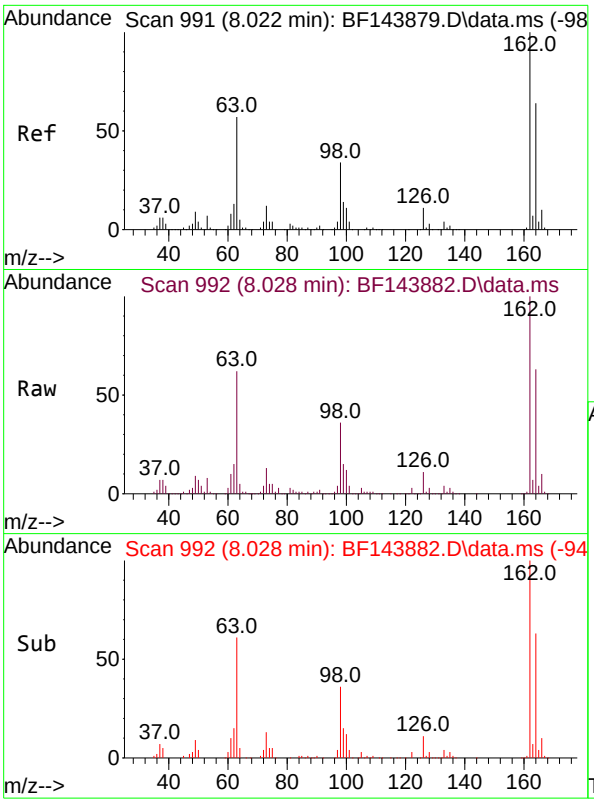


#28
bis(2-Chloroethoxy)methane
Concen: 69.328 ng
RT: 7.922 min Scan# 974
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 93 Resp: 888473

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.9	38.9
123	10.6	9.4	14.0

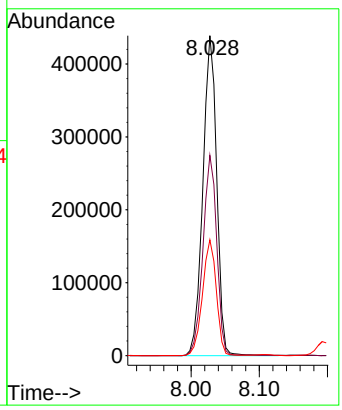




#29
2,4-Dichlorophenol
Concen: 72.318 ng
RT: 8.028 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:162 Resp: 62075

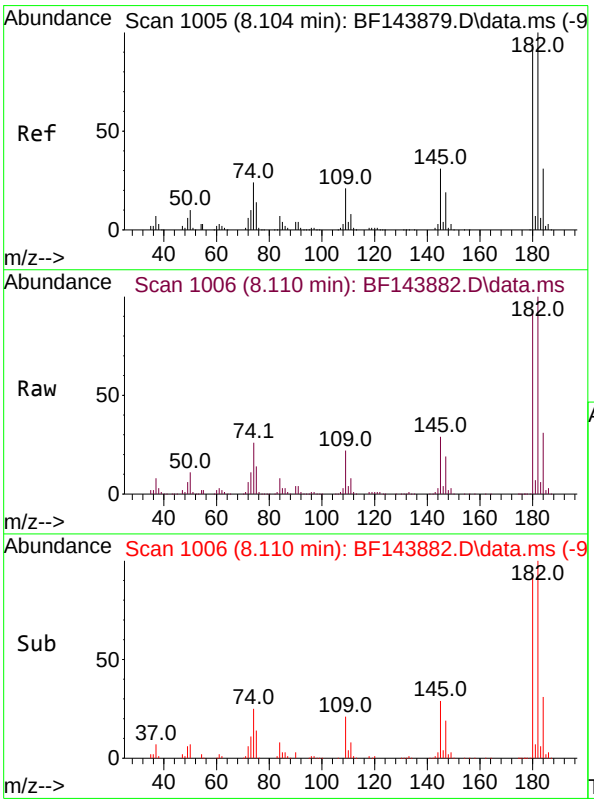
Ion	Ratio	Lower	Upper
162	100		
164	62.6	43.9	83.9
98	36.2	14.4	54.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

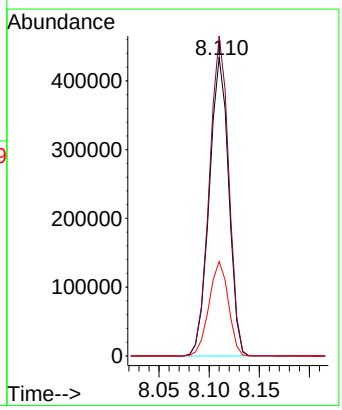
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

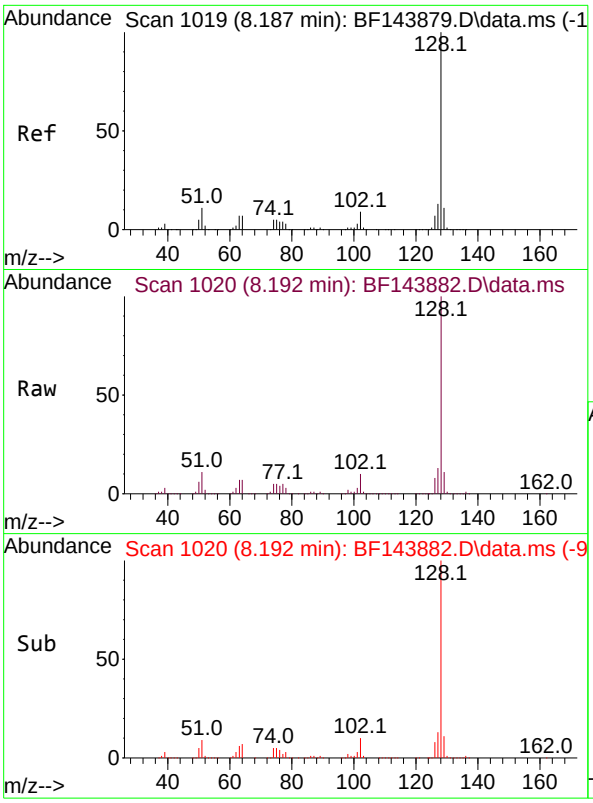


#30
1,2,4-Trichlorobenzene
Concen: 69.063 ng
RT: 8.110 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:180 Resp: 583022

Ion	Ratio	Lower	Upper
180	100		
182	107.1	85.4	128.0
145	31.6	26.3	39.5

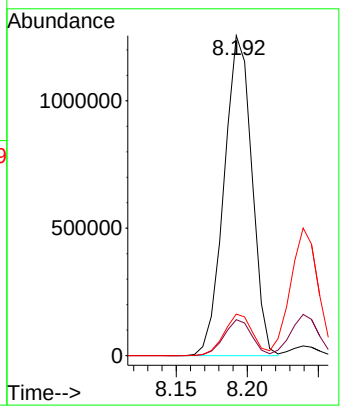




#31
Naphthalene
Concen: 64.341 ng
RT: 8.192 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:128 Resp: 171091

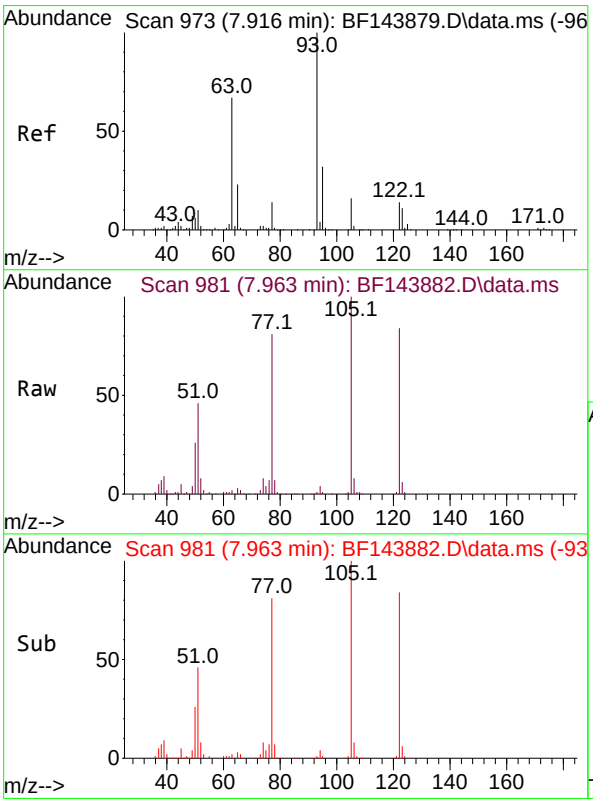
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.0	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

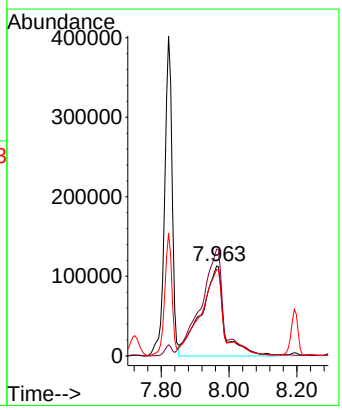
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

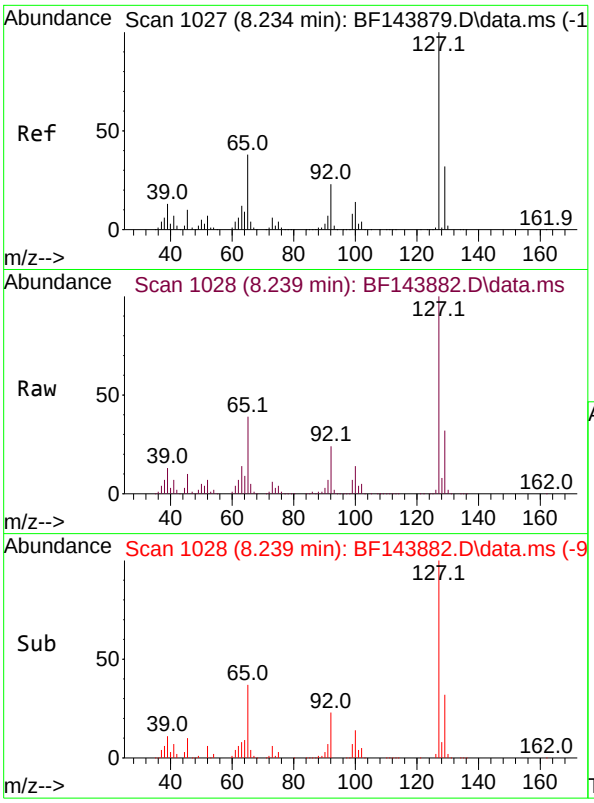


#32
Benzoic acid
Concen: 94.587 ng m
RT: 7.963 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:122 Resp: 539440

Ion	Ratio	Lower	Upper
122	100		
105	118.9	93.5	133.5
77	96.1	76.3	116.3

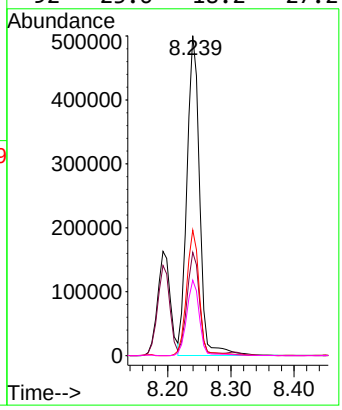




#33
4-Chloroaniline
Concen: 69.923 ng
RT: 8.239 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:127 Resp: 69735

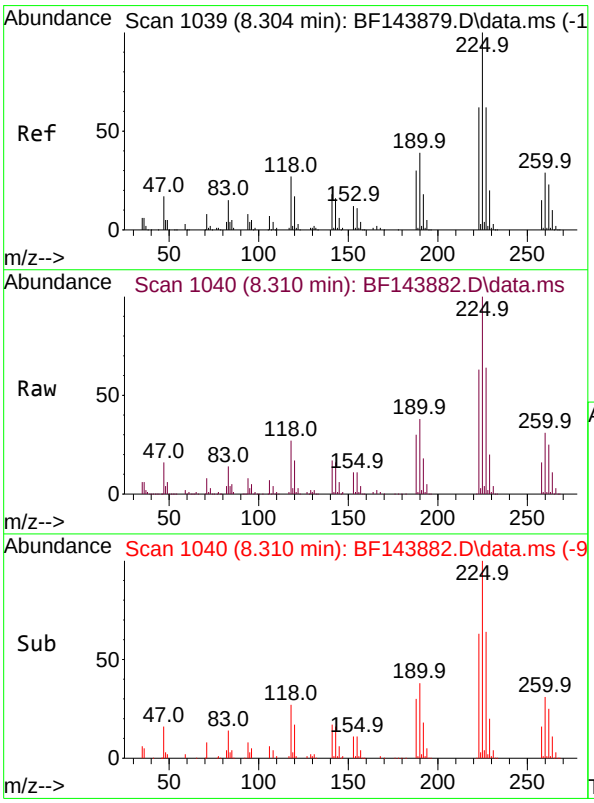
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.8
65	39.2	30.0	45.0
92	23.6	18.2	27.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

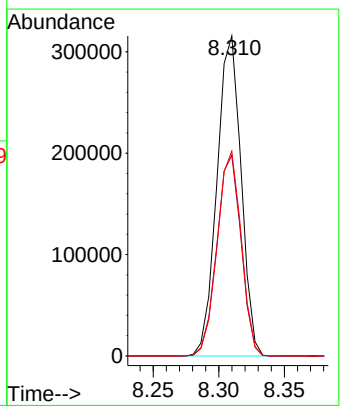
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

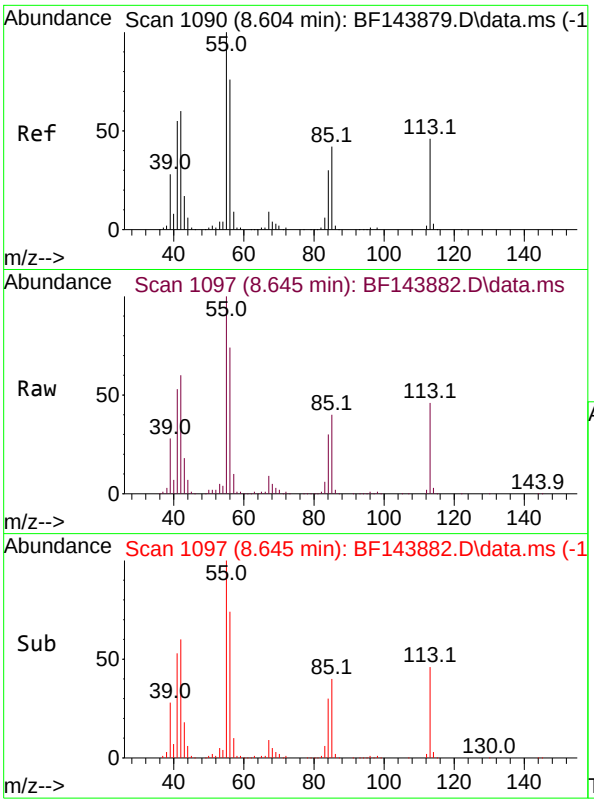


#34
Hexachlorobutadiene
Concen: 68.974 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:225 Resp: 404619

Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.4	74.2
227	64.0	49.7	74.5





#35
Caprolactam
Concen: 80.169 ng
RT: 8.645 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

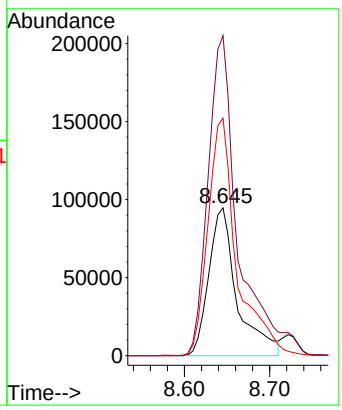
Tgt Ion:113 Resp: 21880

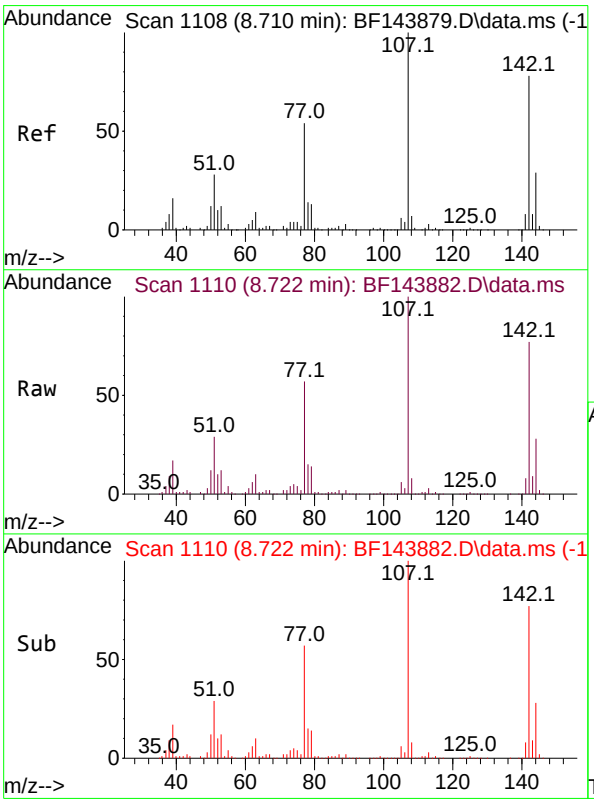
Ion	Ratio	Lower	Upper
113	100		
55	216.6	199.6	239.6
56	160.6	146.0	186.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

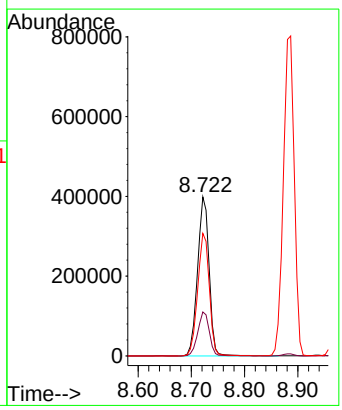


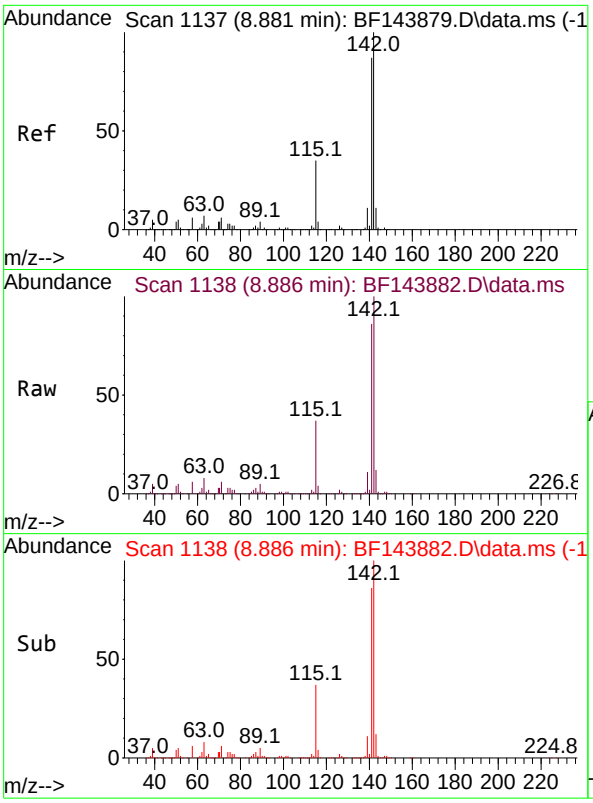


#36
4-Chloro-3-methylphenol
Concen: 72.601 ng
RT: 8.722 min Scan# 1110
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:107 Resp: 598614

Ion	Ratio	Lower	Upper
107	100		
144	27.6	23.1	34.7
142	77.0	62.6	94.0

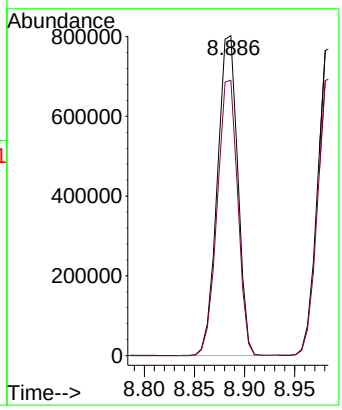




#37
2-Methylnaphthalene
Concen: 64.254 ng
RT: 8.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:142 Resp: 113814

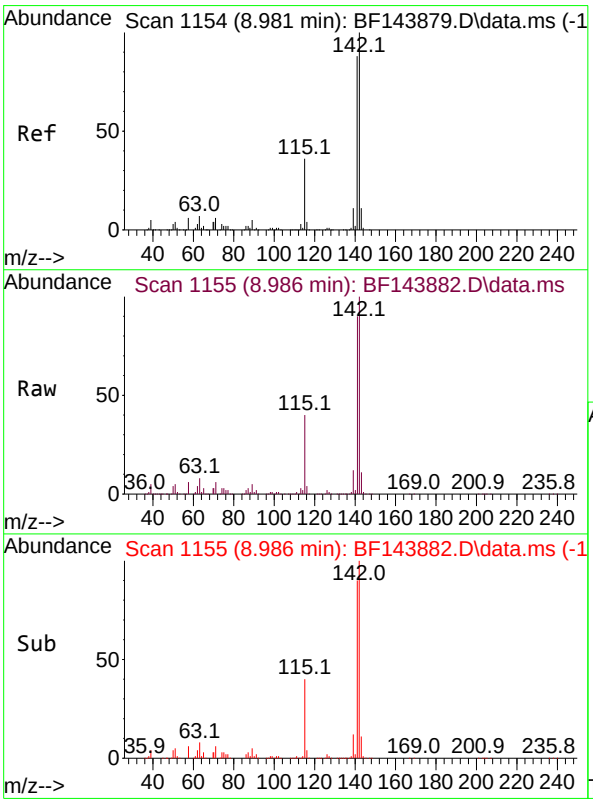
Ion	Ratio	Lower	Upper
142	100		
141	86.0	69.2	103.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

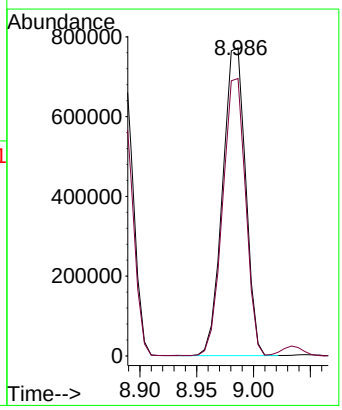
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

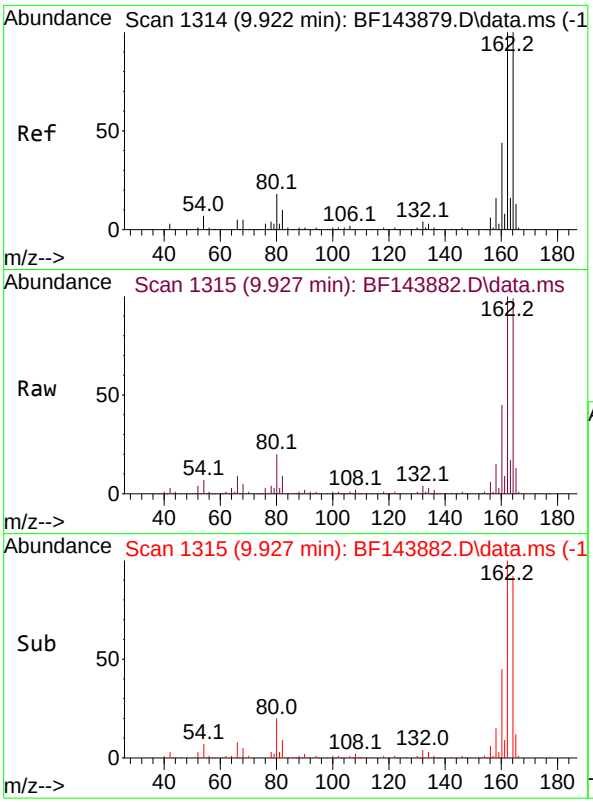


#38
1-Methylnaphthalene
Concen: 63.318 ng
RT: 8.986 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:142 Resp: 1087879

Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.8	106.2

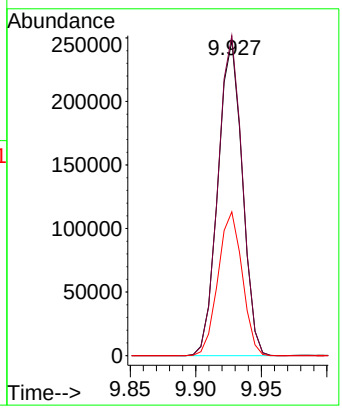




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:164 Resp: 32033

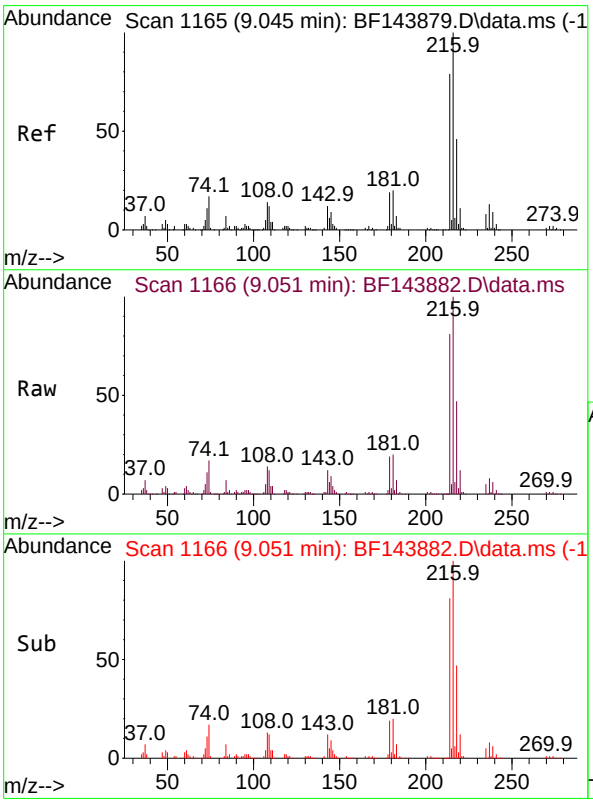
Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.2	120.2
160	45.6	35.4	53.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

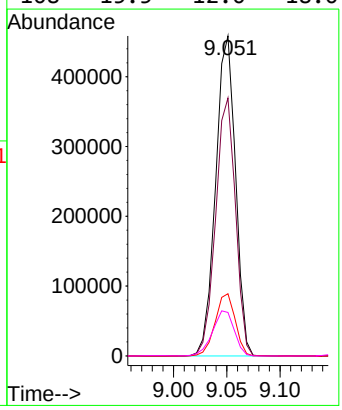
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

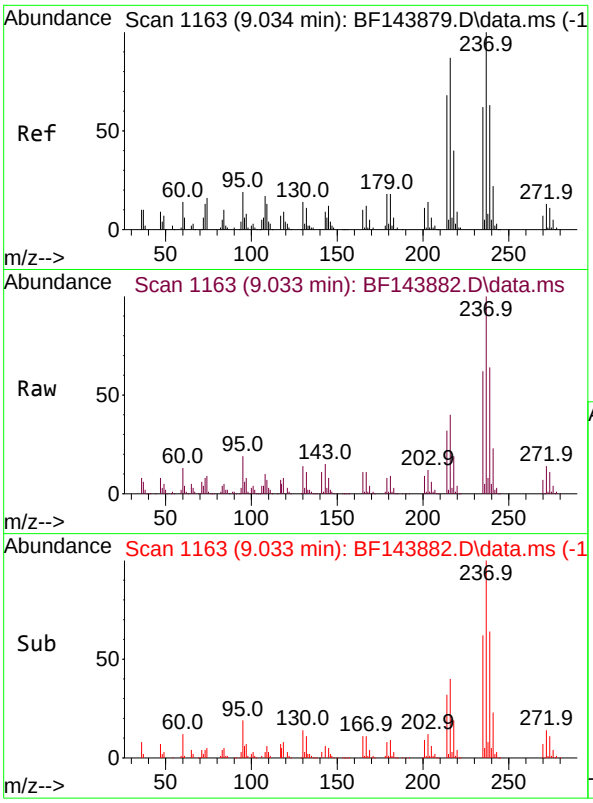


#40
1,2,4,5-Tetrachlorobenzene
Concen: 67.166 ng
RT: 9.051 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:216 Resp: 594660

Ion	Ratio	Lower	Upper
216	100		
214	80.4	62.6	94.0
179	19.6	15.4	23.0
108	15.5	12.0	18.0





#41
Hexachlorocyclopentadiene
Concen: 81.998 ng
RT: 9.033 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

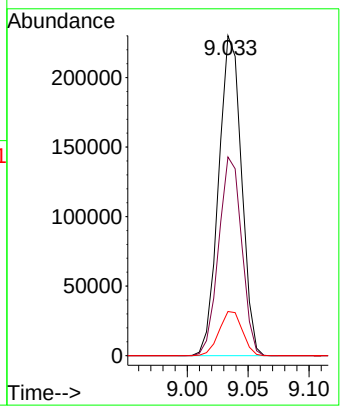
Tgt Ion:237 Resp: 30117

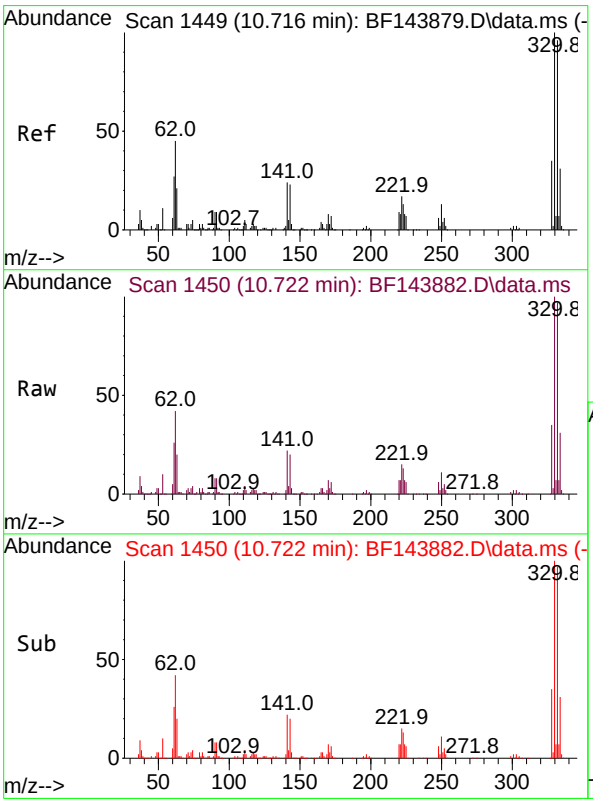
Ion	Ratio	Lower	Upper
237	100		
235	62.1	42.3	82.3
272	13.8	0.0	33.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

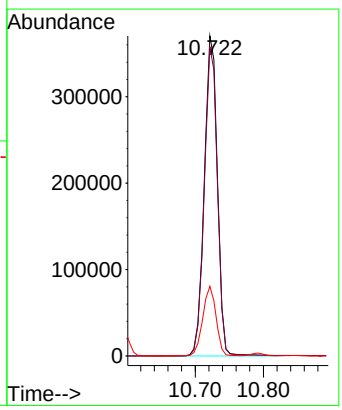


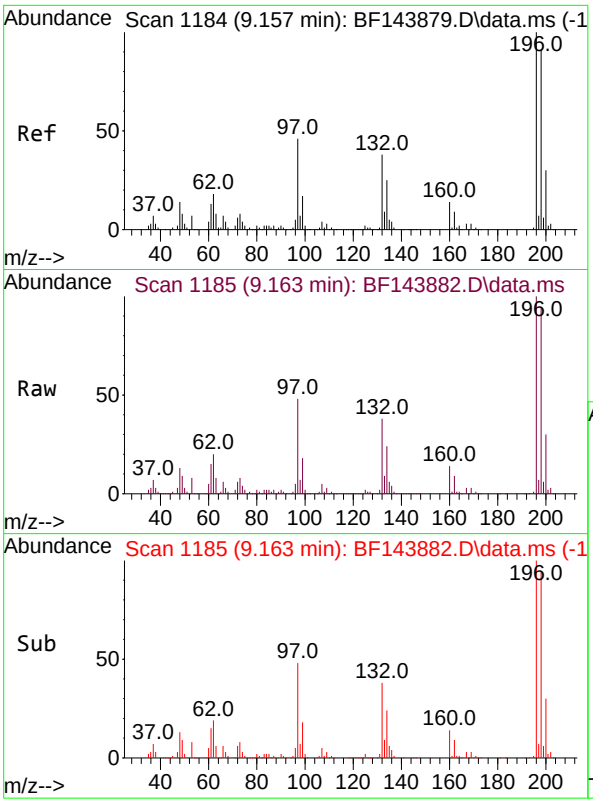


#42
2,4,6-Tribromophenol
Concen: 155.397 ng
RT: 10.722 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:330 Resp: 495811

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.9	115.3
141	21.8	20.2	30.4

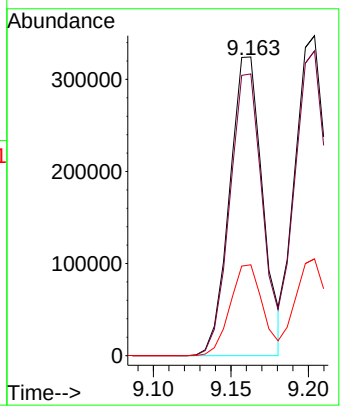




#43
2,4,6-Trichlorophenol
Concen: 74.487 ng
RT: 9.163 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:196 Resp: 48185

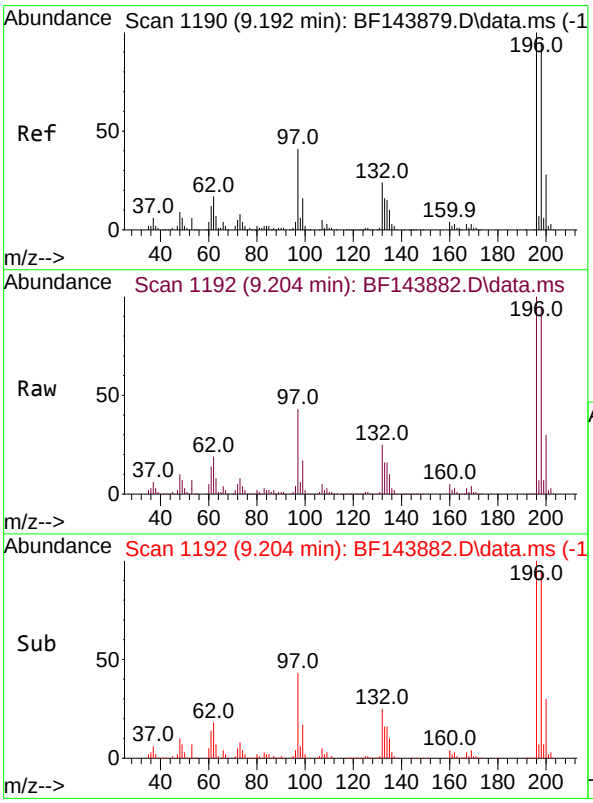
Ion	Ratio	Lower	Upper
196	100		
198	94.4	72.8	109.2
200	30.4	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

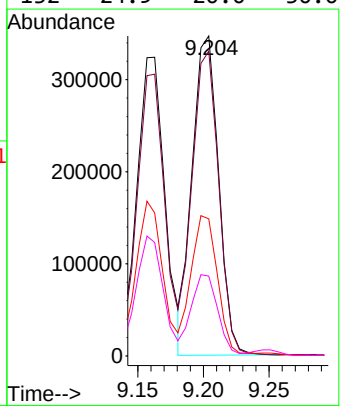
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

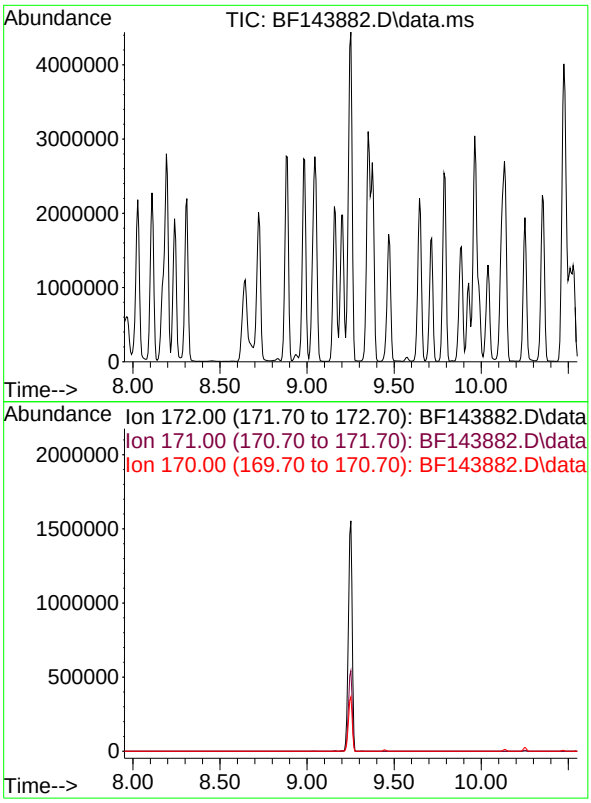


#44
2,4,5-Trichlorophenol
Concen: 71.286 ng
RT: 9.204 min Scan# 1192
Delta R.T. -0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:196 Resp: 487322

Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.5	113.3
97	42.8	33.9	50.9
132	24.9	20.0	30.0





#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.25 min

Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

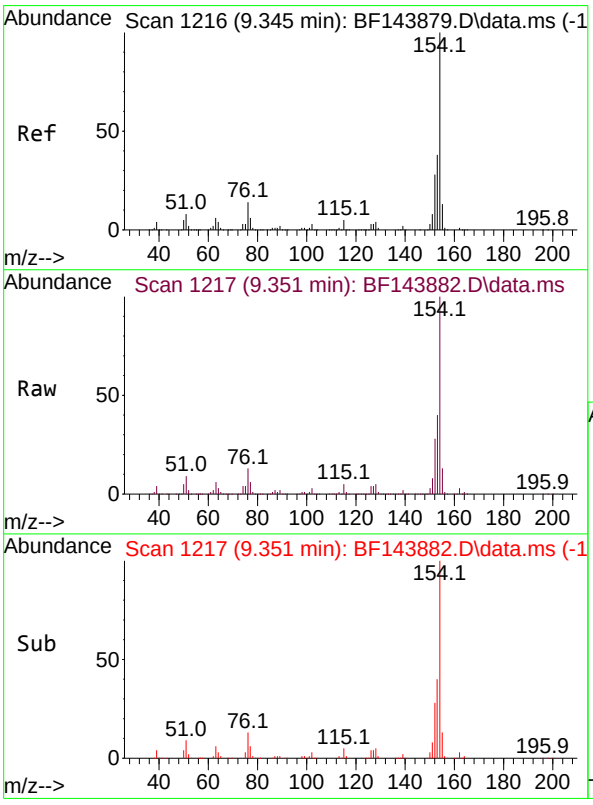
Tgt Ion: 172

Sig	Exp Ratio
172	100
171	34.2
170	23.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

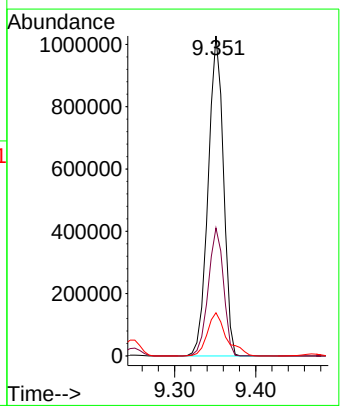
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

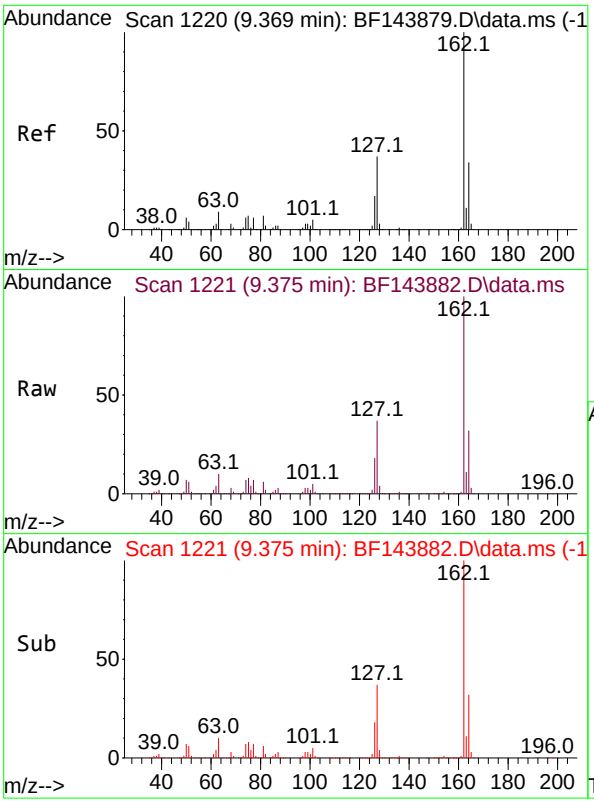


#46
1,1'-Biphenyl
Concen: 63.407 ng
RT: 9.351 min Scan# 1217
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:154 Resp: 1344805

Ion	Ratio	Lower	Upper
154	100		
153	40.0	18.4	58.4
76	13.5	0.0	34.0

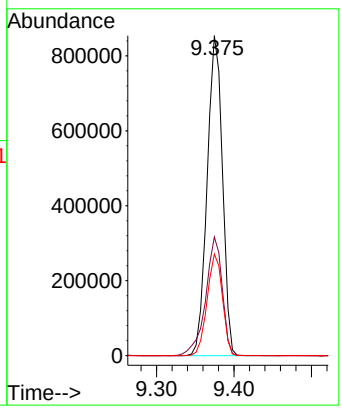




#47
2-Chloronaphthalene
Concen: 66.165 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:162 Resp: 1170019

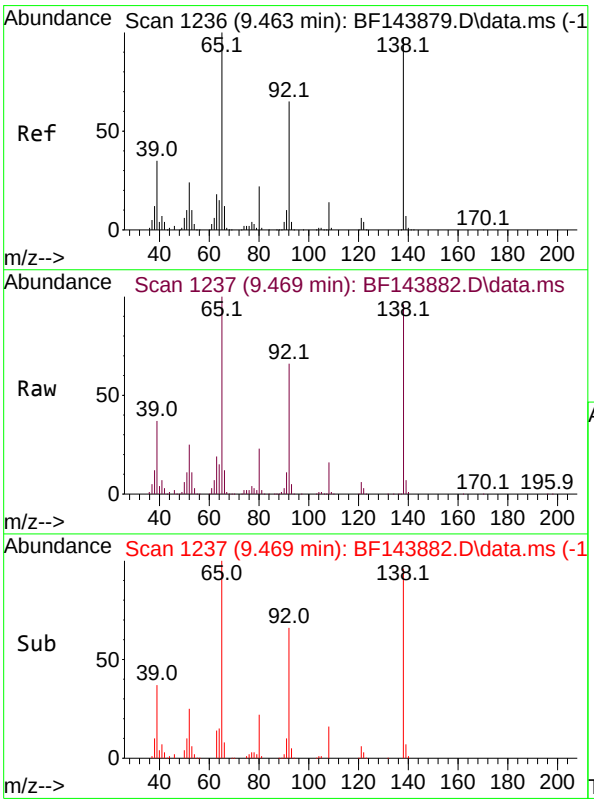
Ion	Ratio	Lower	Upper
162	100		
127	37.1	30.2	45.2
164	31.7	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

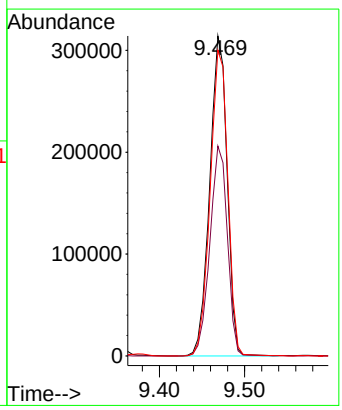
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

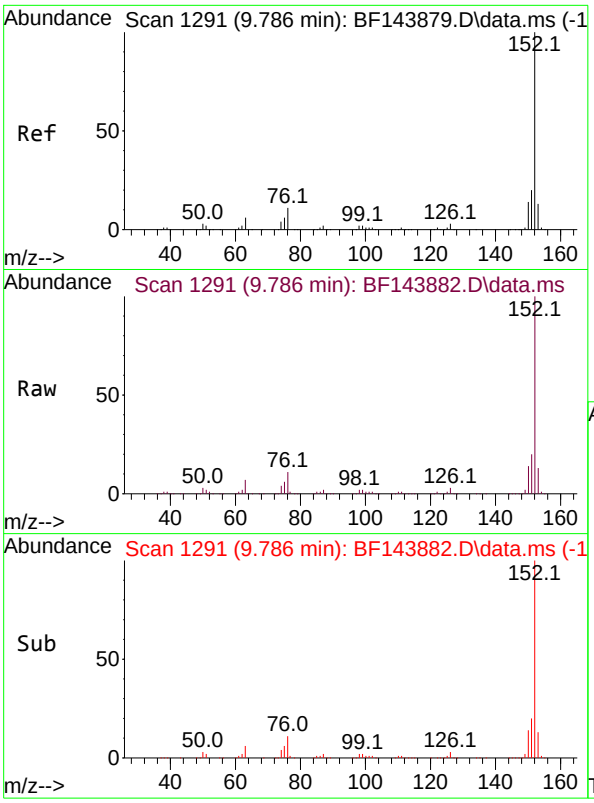


#48
2-Nitroaniline
Concen: 79.693 ng
RT: 9.469 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 65 Resp: 445537

Ion	Ratio	Lower	Upper
65	100		
92	65.6	52.1	78.1
138	95.5	77.4	116.2

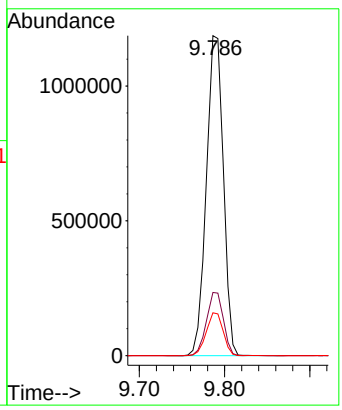




#49
Acenaphthylene
Concen: 66.159 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:152 Resp: 164472

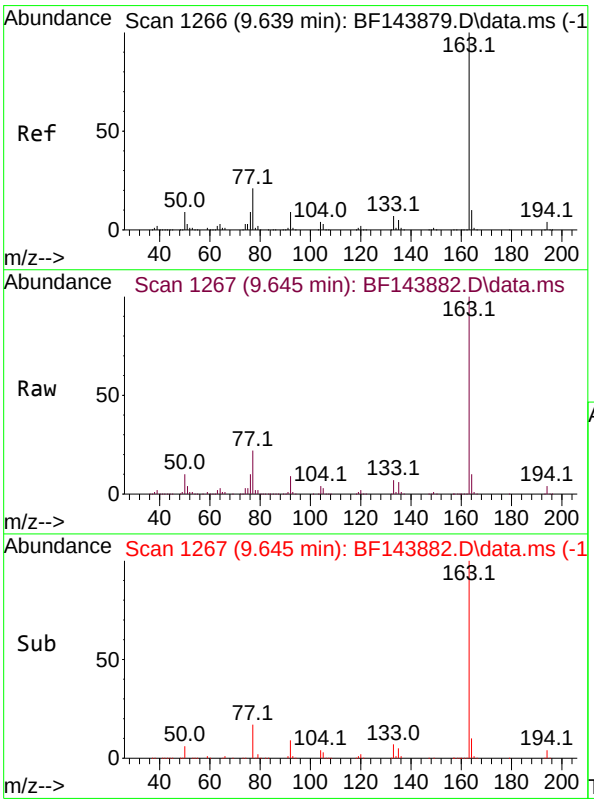
Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.4	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

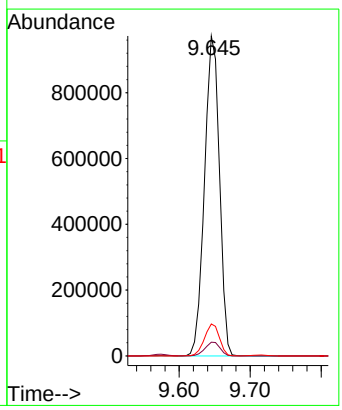
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

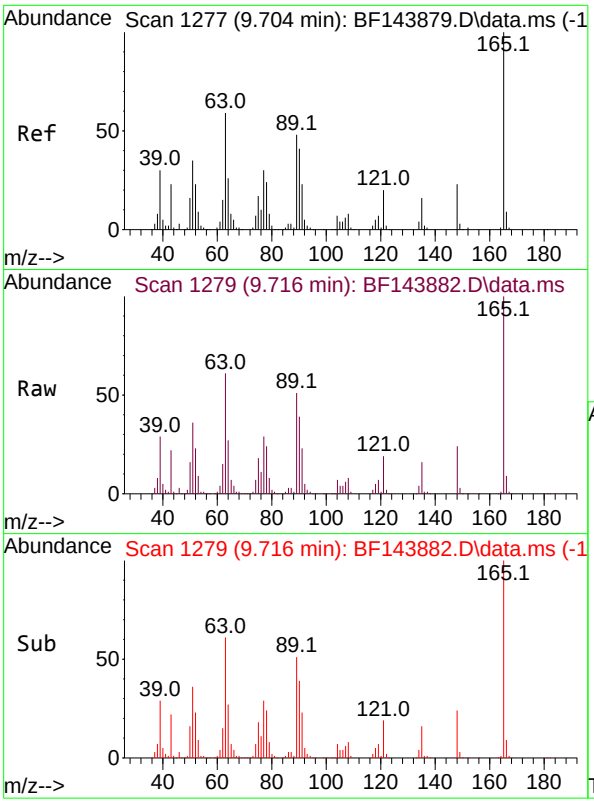


#50
Dimethylphthalate
Concen: 69.582 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:163 Resp: 1415482

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	10.0	8.1	12.1





#51
2,6-Dinitrotoluene
Concen: 80.372 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

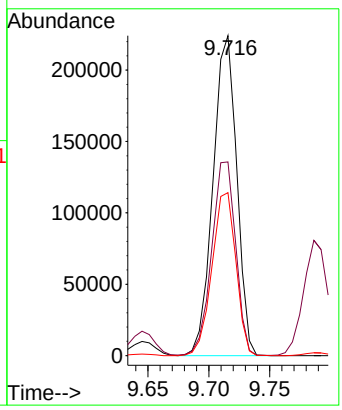
Tgt Ion:165 Resp: 30317

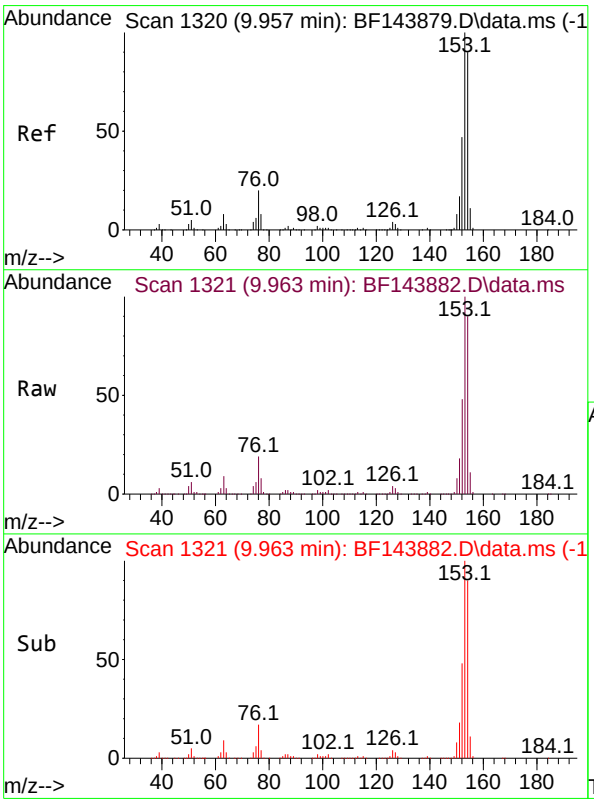
Ion	Ratio	Lower	Upper
165	100		
63	60.5	47.3	70.9
89	51.0	38.2	57.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

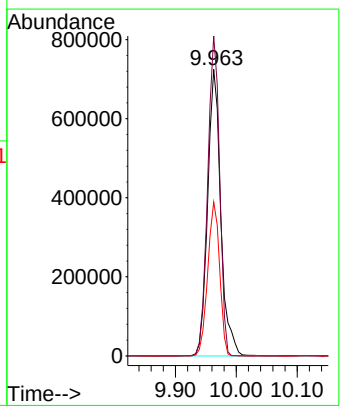


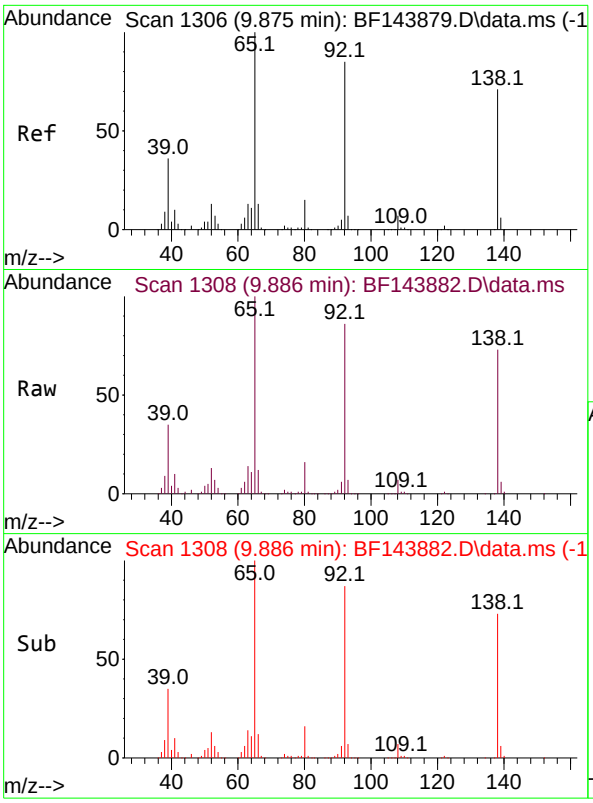


#52
Acenaphthene
Concen: 66.651 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:154 Resp: 1085733

Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.3	133.9
152	53.7	42.2	63.2





#53
3-Nitroaniline
Concen: 79.233 ng
RT: 9.886 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

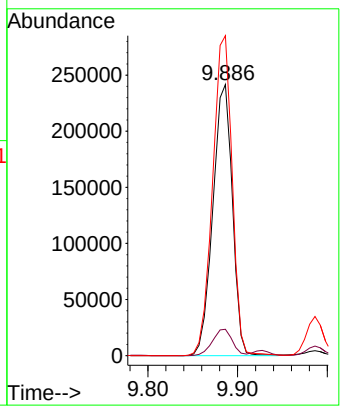
Tgt Ion:138 Resp: 365960

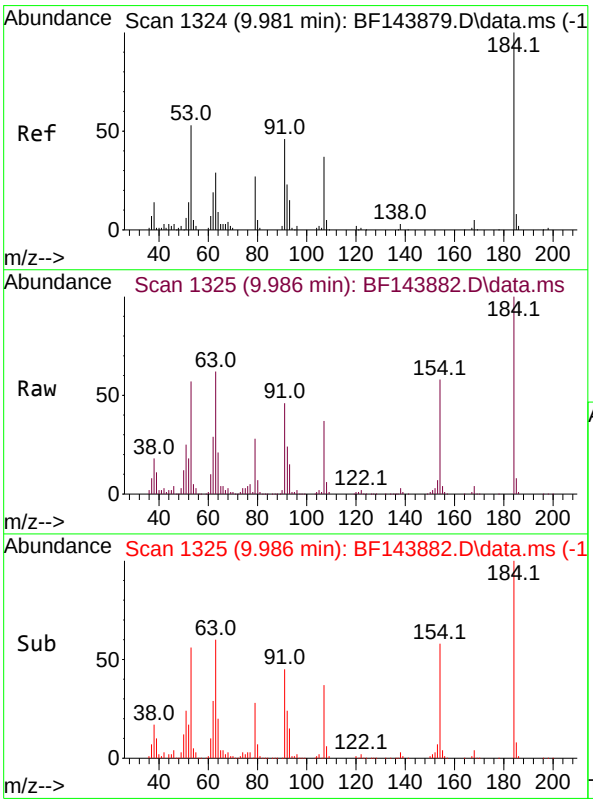
Ion	Ratio	Lower	Upper
138	100		
108	9.7	8.3	12.5
92	118.0	96.2	144.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

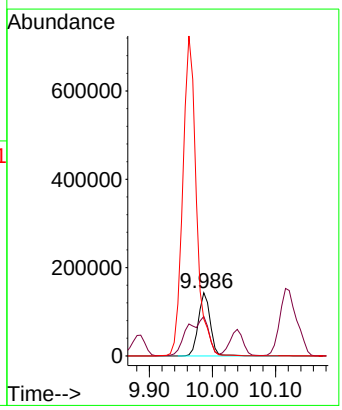


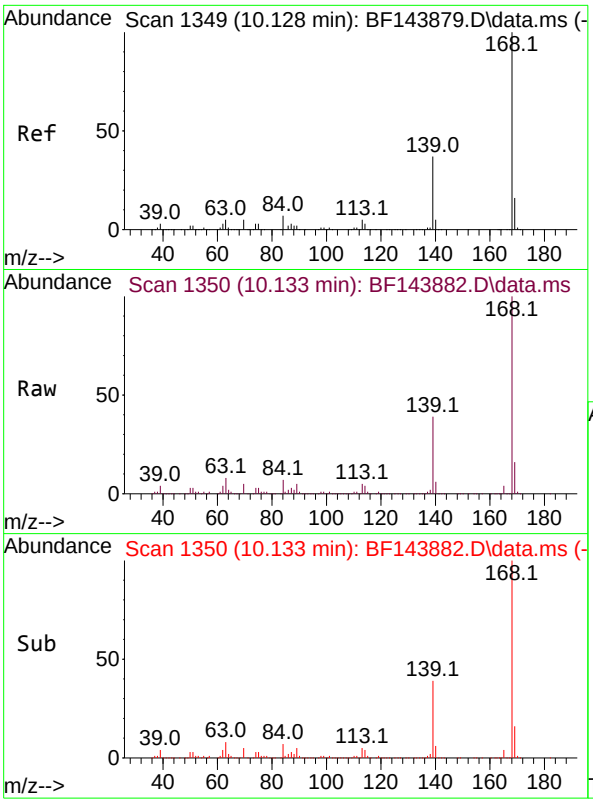


#54
2,4-Dinitrophenol
Concen: 80.556 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:184 Resp: 187560

Ion	Ratio	Lower	Upper
184	100		
63	62.4	48.2	72.4
154	58.5	49.2	73.8

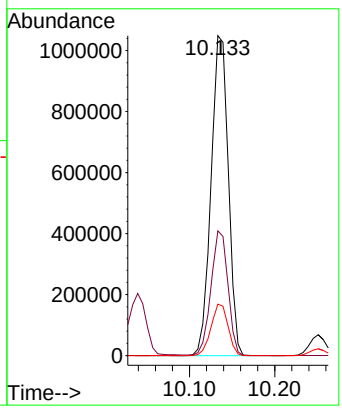




#55
Dibenzofuran
Concen: 63.998 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:168 Resp: 147162

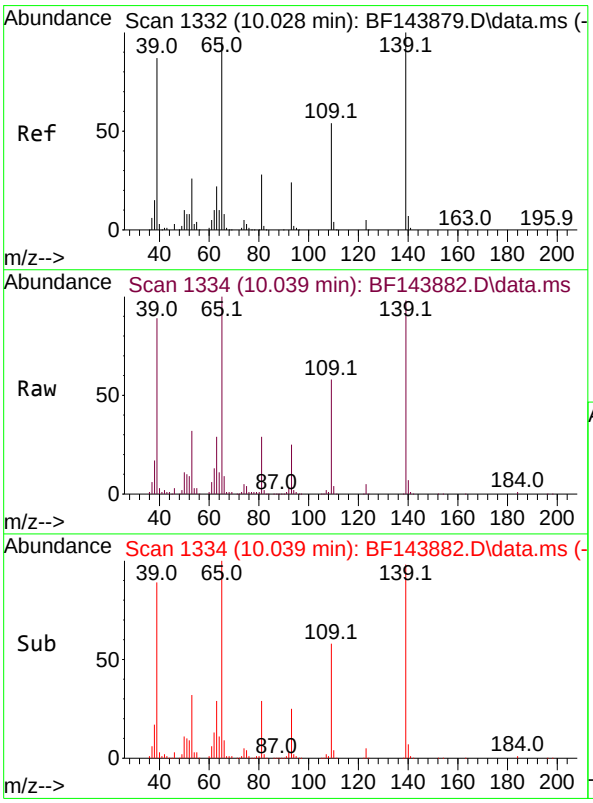
Ion	Ratio	Lower	Upper
168	100		
139	39.0	29.8	44.8
169	16.1	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

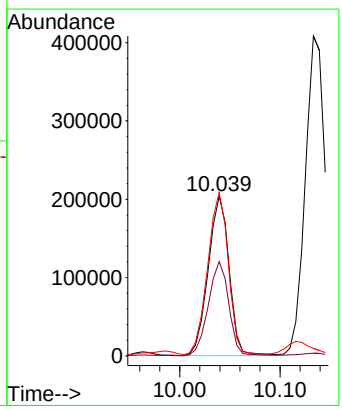
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

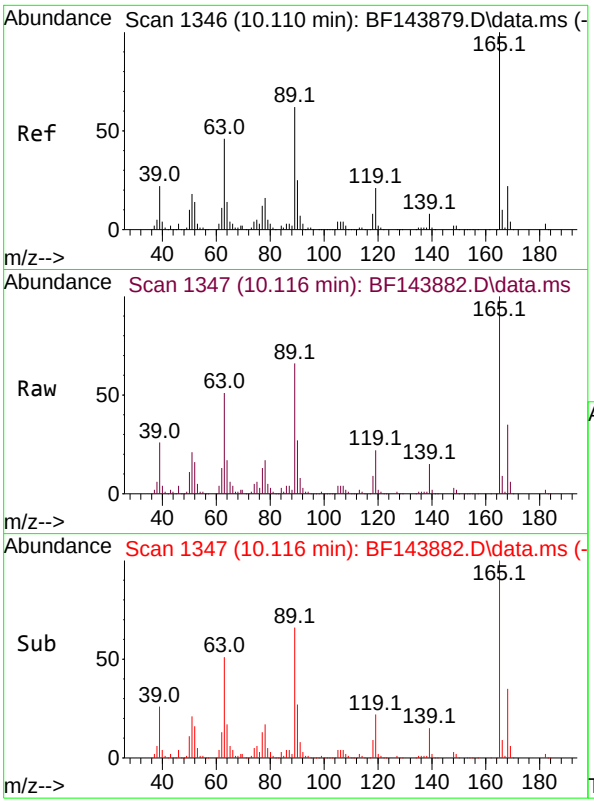


#56
4-Nitrophenol
Concen: 84.335 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:139 Resp: 294937

Ion	Ratio	Lower	Upper
139	100		
109	59.0	34.5	74.5
65	102.4	77.6	117.6

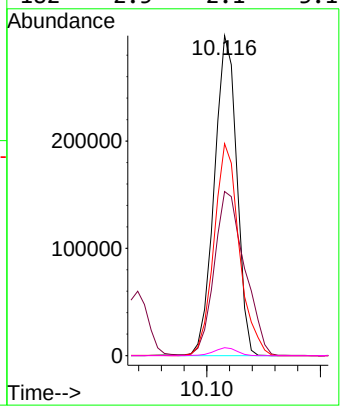




#57
2,4-Dinitrotoluene
Concen: 79.779 ng
RT: 10.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:165 Resp: 40946

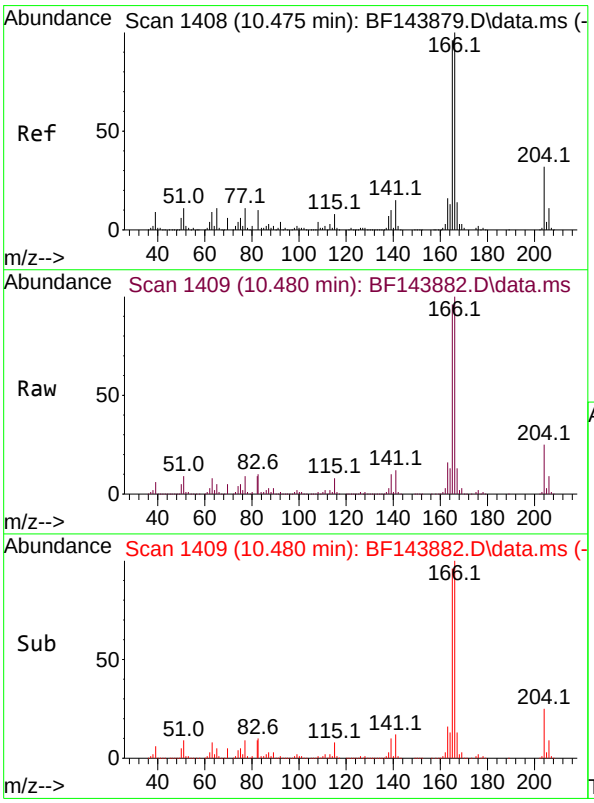
Ion	Ratio	Lower	Upper
165	100		
63	51.3	37.2	55.8
89	66.2	49.4	74.2
182	2.5	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

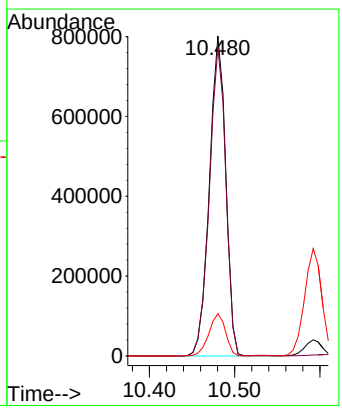
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

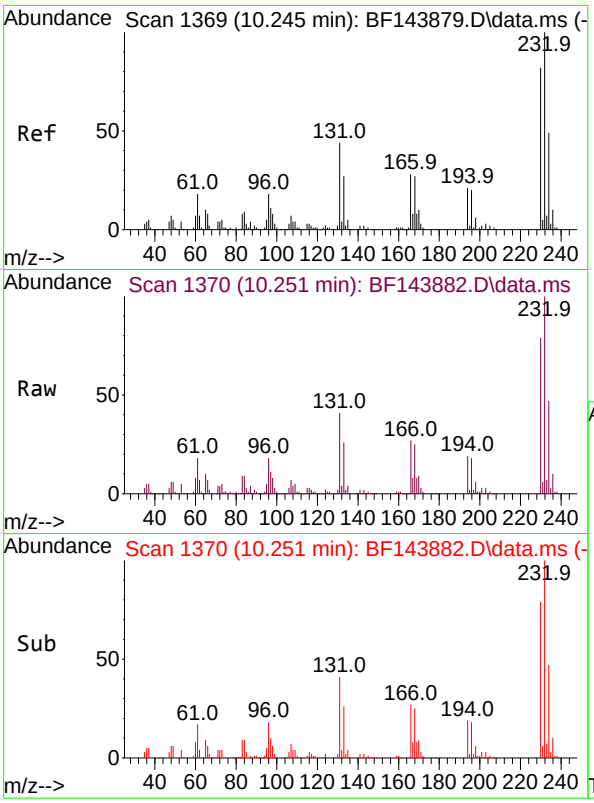


#58
Fluorene
Concen: 61.654 ng
RT: 10.480 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:166 Resp: 1069764

Ion	Ratio	Lower	Upper
166	100		
165	96.4	77.0	115.6
167	13.2	11.1	16.7

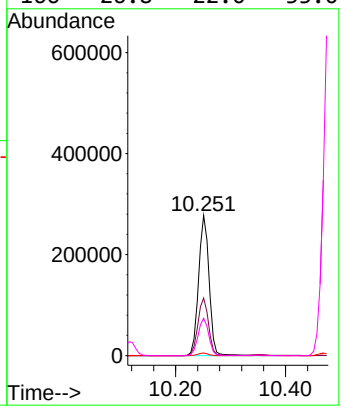




#59
2,3,4,6-Tetrachlorophenol
Concen: 76.170 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:232 Resp: 36859

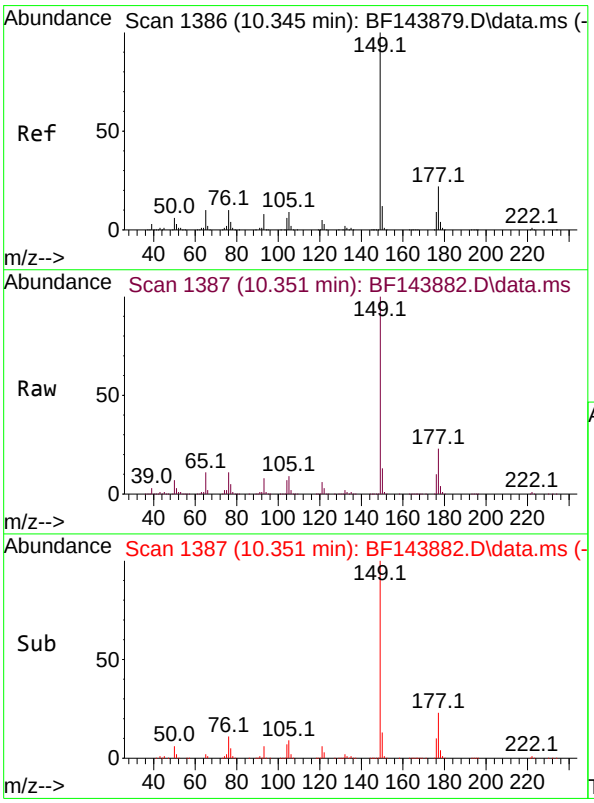
Ion	Ratio	Lower	Upper
232	100		
131	41.5	34.9	52.3
130	1.8	1.6	2.4
166	26.8	22.0	33.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

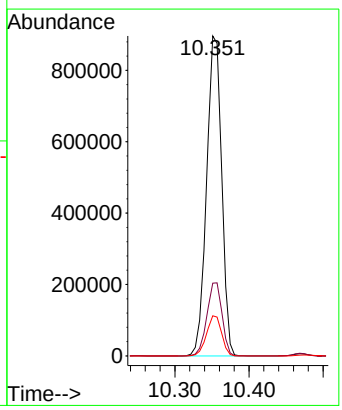
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

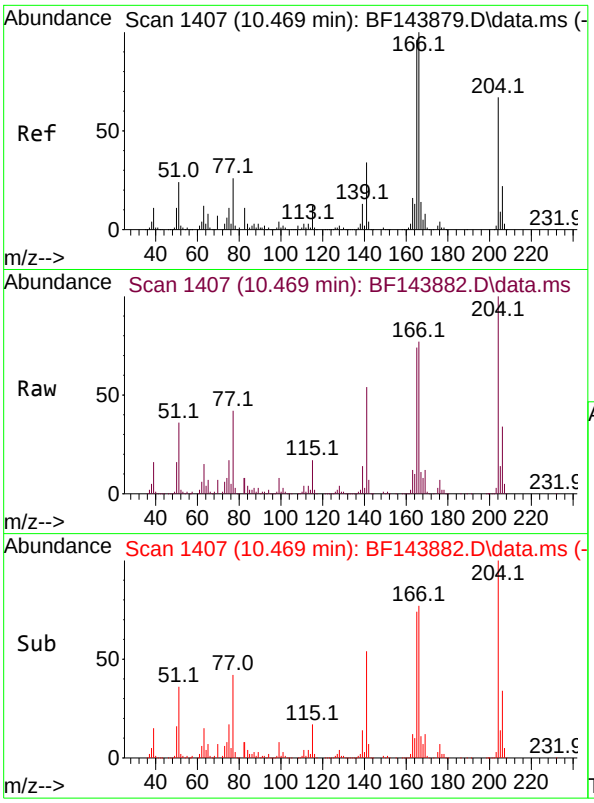


#60
Diethylphthalate
Concen: 67.047 ng
RT: 10.351 min Scan# 1387
Delta R.T. -0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:149 Resp: 1267085

Ion	Ratio	Lower	Upper
149	100		
177	22.7	17.9	26.9
150	12.5	9.8	14.8

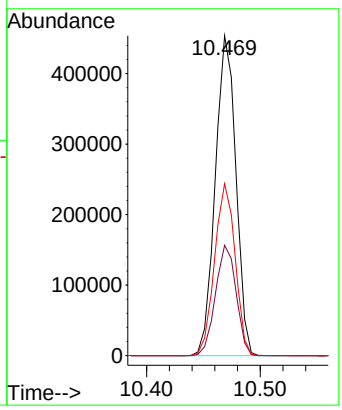




#61
4-Chlorophenyl-phenylether
Concen: 62.357 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:204 Resp: 57203

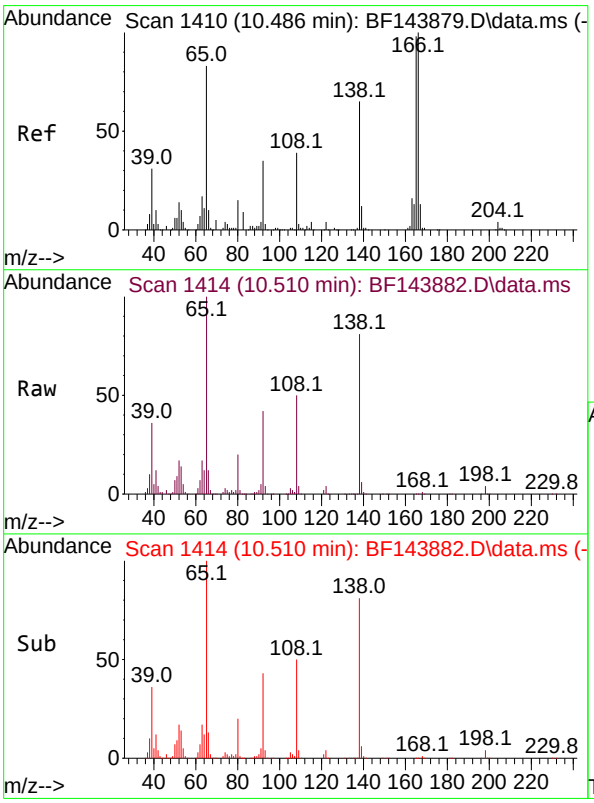
Ion	Ratio	Lower	Upper
204	100		
206	34.5	26.6	40.0
141	53.7	40.4	60.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

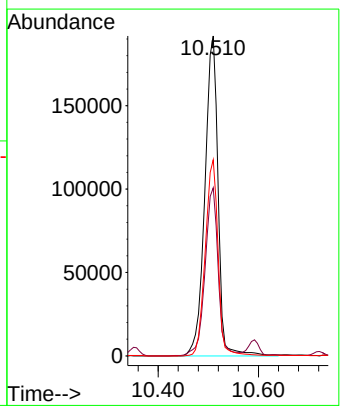
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

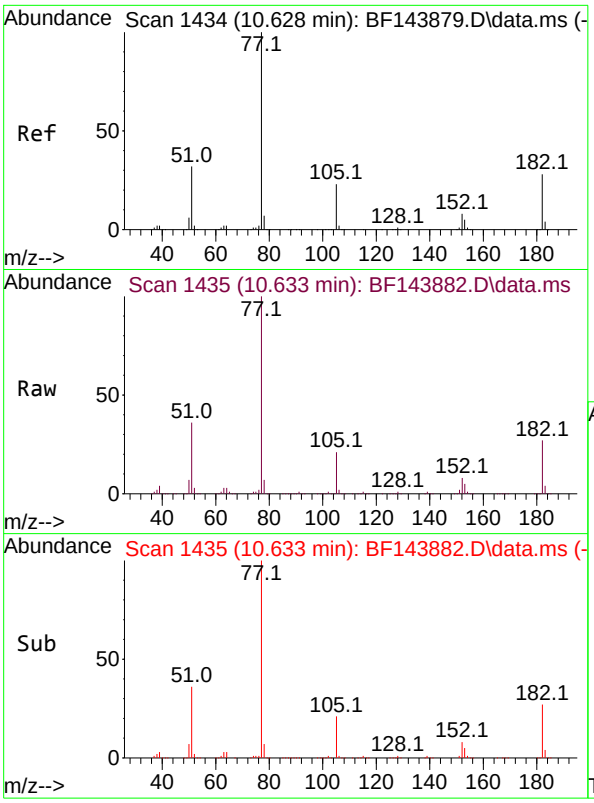


#62
4-Nitroaniline
Concen: 79.169 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:138 Resp: 351634

Ion	Ratio	Lower	Upper
138	100		
92	52.5	33.9	73.9
108	61.3	40.2	80.2

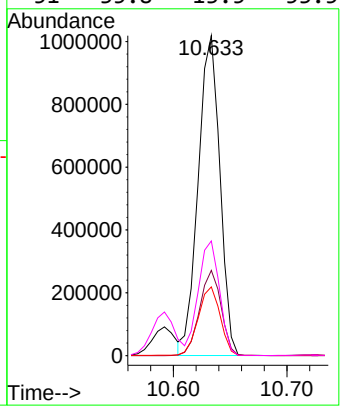




#63
Azobenzene
Concen: 68.446 ng
RT: 10.633 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 77 Resp: 135192

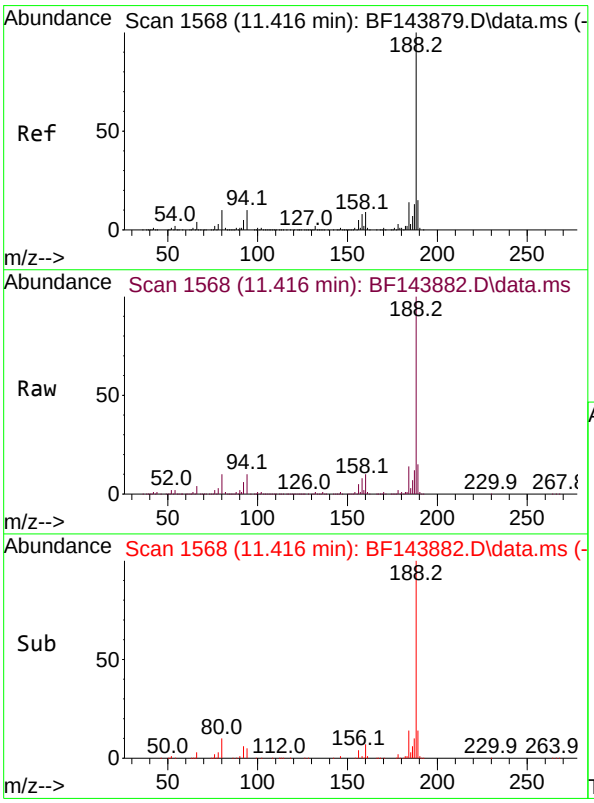
Ion	Ratio	Lower	Upper
77	100		
182	26.7	7.3	47.3
105	21.5	3.0	43.0
51	35.8	13.5	53.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

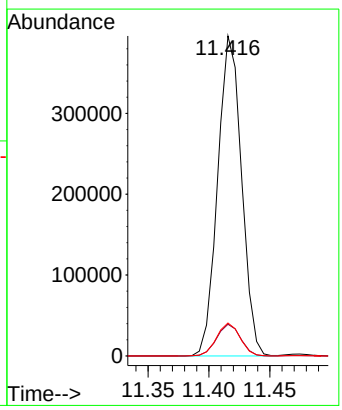
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

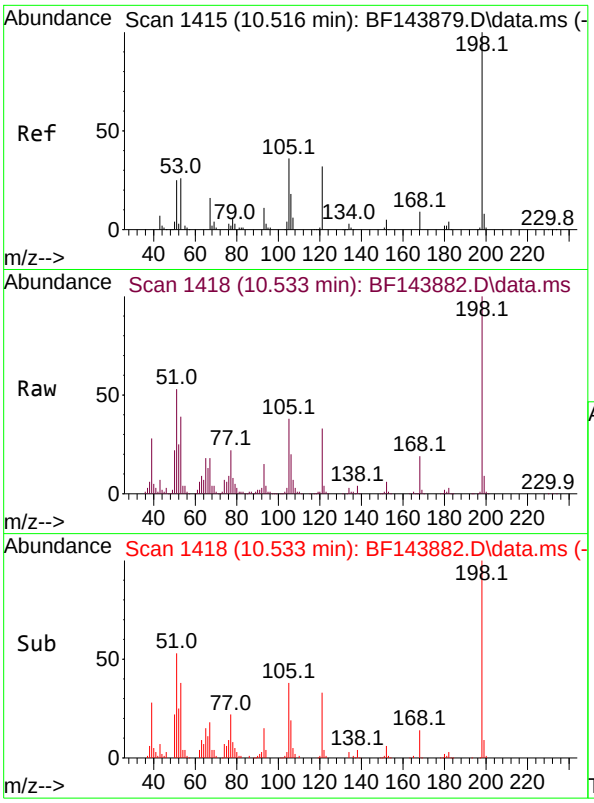


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:188 Resp: 540366

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.8	11.6
80	10.3	7.9	11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 87.227 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

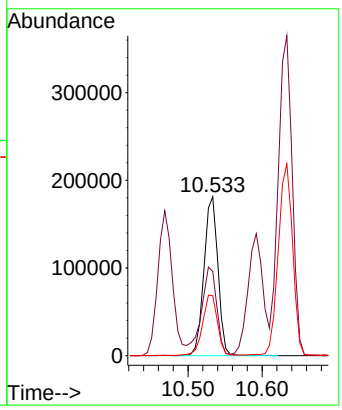
Tgt Ion:198 Resp: 23686

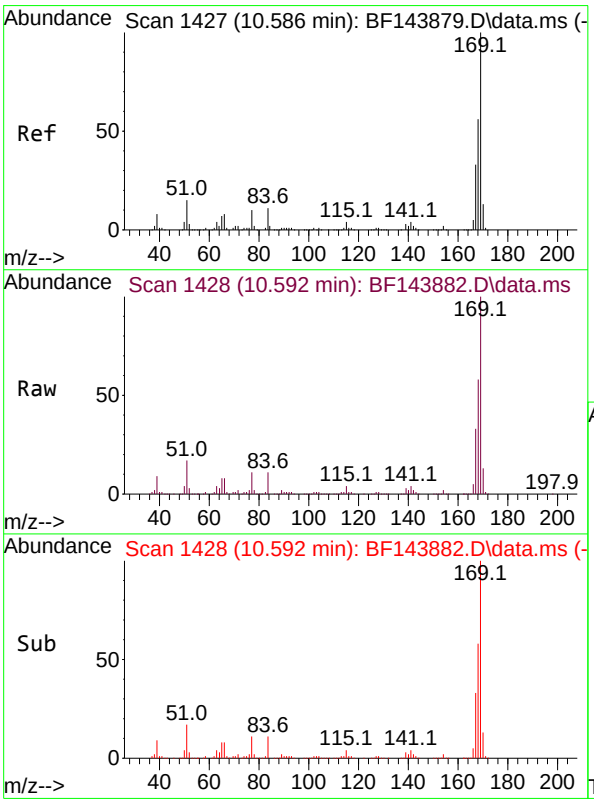
Ion	Ratio	Lower	Upper
198	100		
51	53.0	33.8	73.8
105	37.7	17.0	57.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

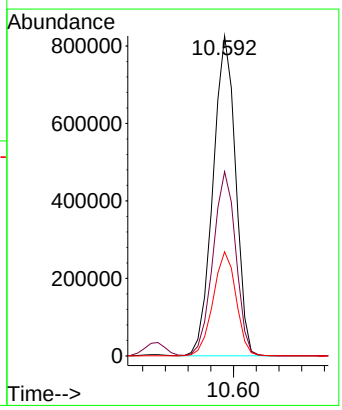


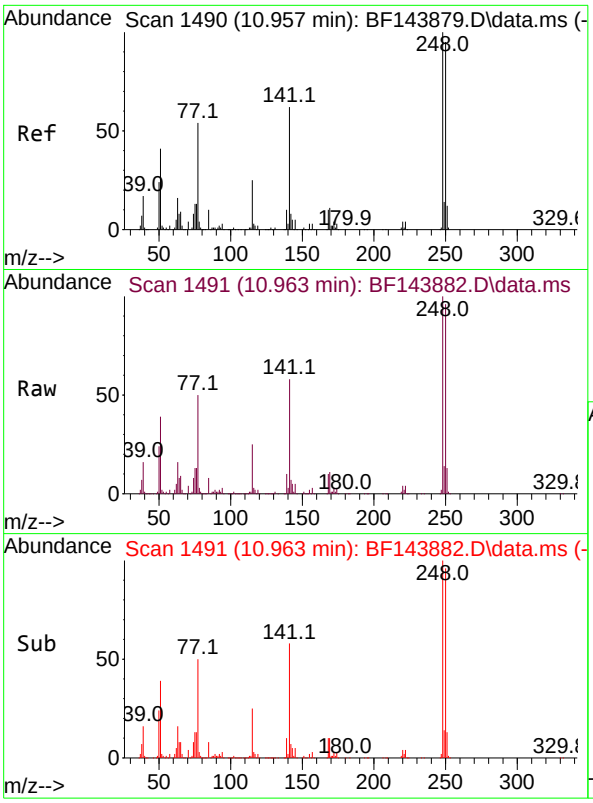


#66
n-Nitrosodiphenylamine
Concen: 67.159 ng
RT: 10.592 min Scan# 1428
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:169 Resp: 1139482

Ion	Ratio	Lower	Upper
169	100		
168	57.6	44.9	67.3
167	32.5	26.3	39.5

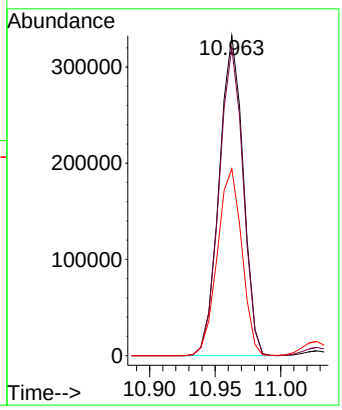




#67
4-Bromophenyl-phenylether
Concen: 70.857 ng
RT: 10.963 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:248 Resp: 42314

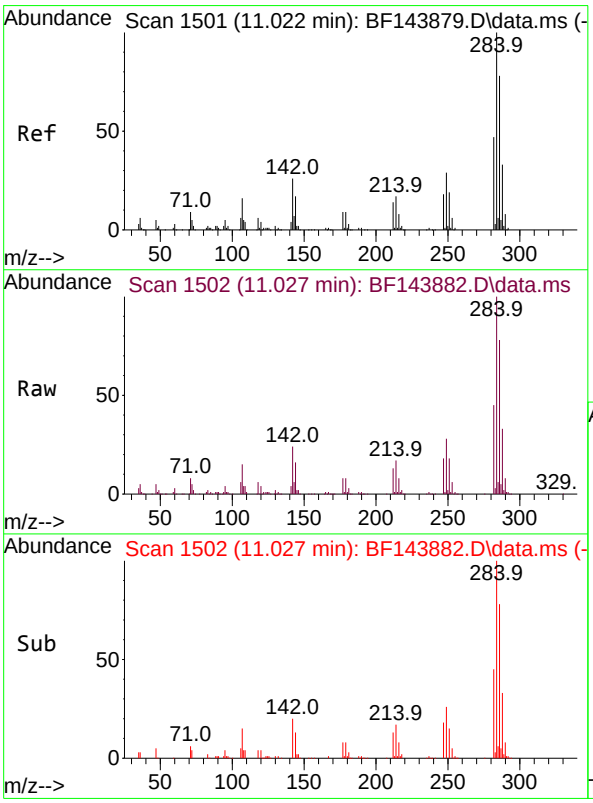
Ion	Ratio	Lower	Upper
248	100		
250	96.2	76.3	114.5
141	58.4	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

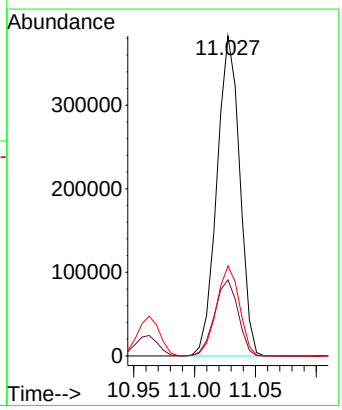
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

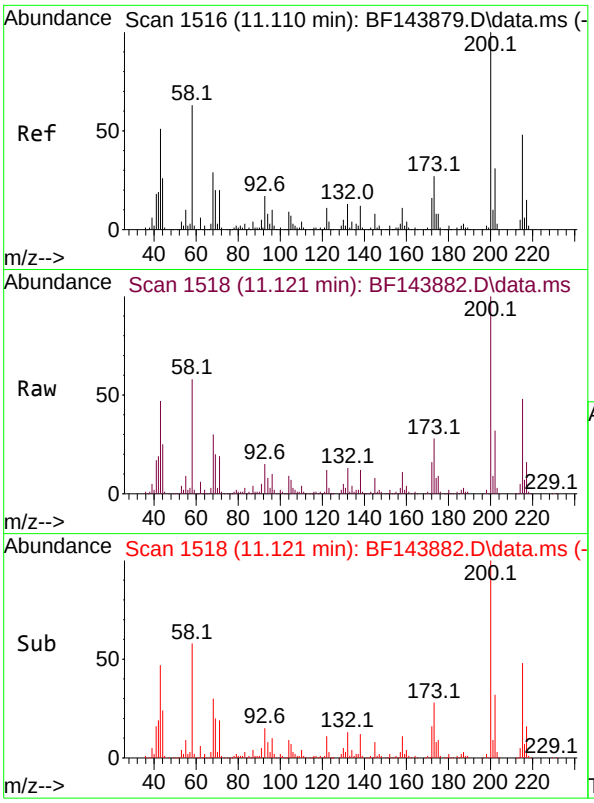


#68
Hexachlorobenzene
Concen: 72.118 ng
RT: 11.027 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:284 Resp: 498602

Ion	Ratio	Lower	Upper
284	100		
142	23.8	20.6	30.8
249	28.1	23.2	34.8

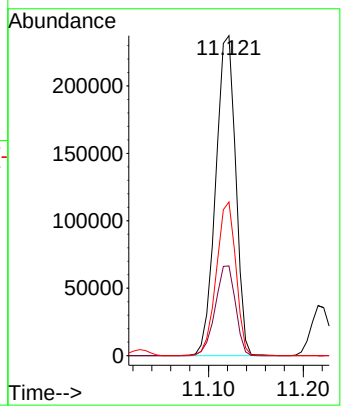




#69
Atrazine
Concen: 67.621 ng
RT: 11.121 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:200 Resp: 34774

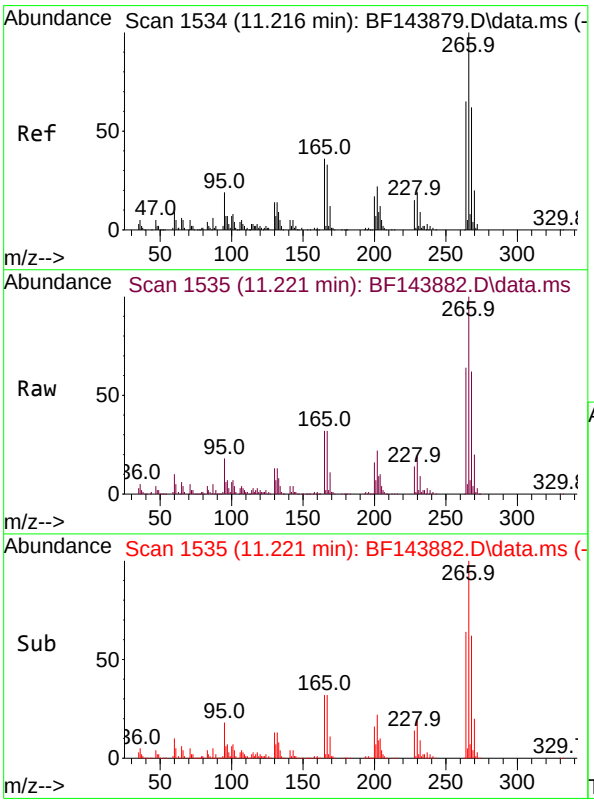
Ion	Ratio	Lower	Upper
200	100		
173	28.0	7.0	47.0
215	48.0	27.8	67.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

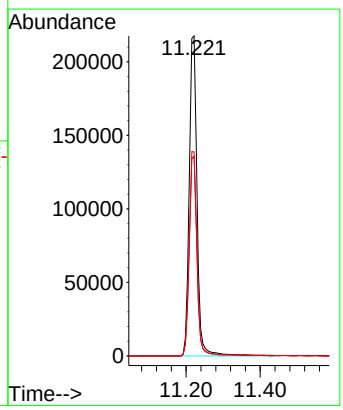
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

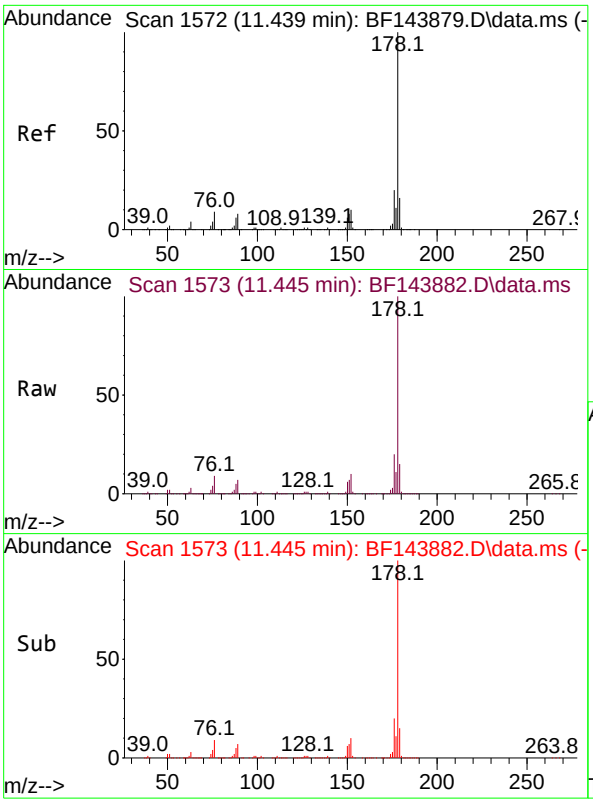


#70
Pentachlorophenol
Concen: 80.208 ng
RT: 11.221 min Scan# 1535
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:266 Resp: 318486

Ion	Ratio	Lower	Upper
266	100		
268	62.3	49.4	74.0
264	63.7	51.8	77.6

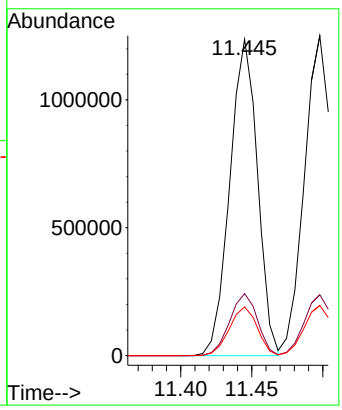




#71
Phenanthrene
Concen: 63.980 ng
RT: 11.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:178 Resp: 167608

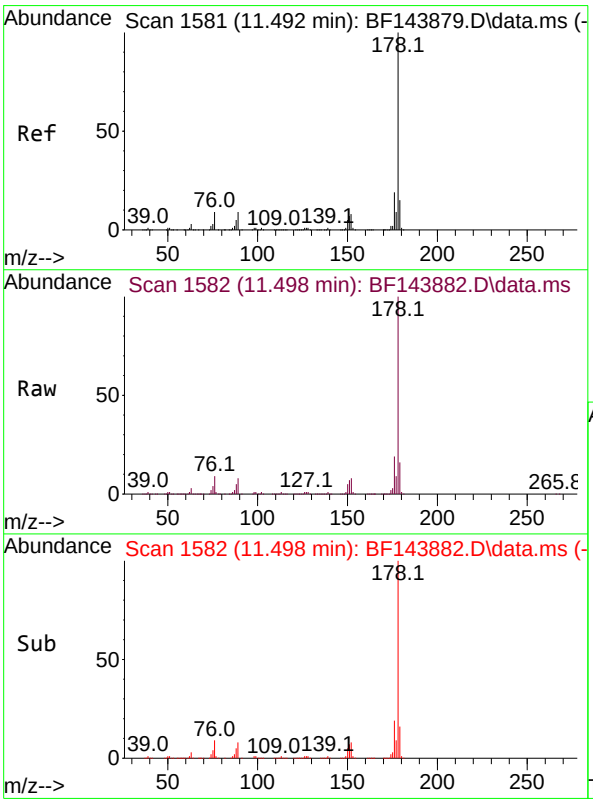
Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.4	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

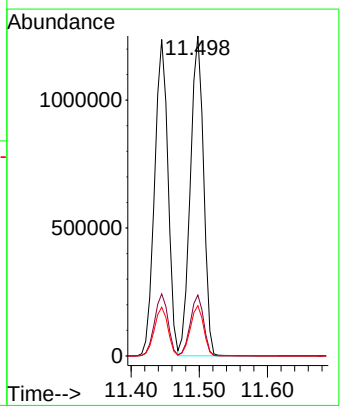
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

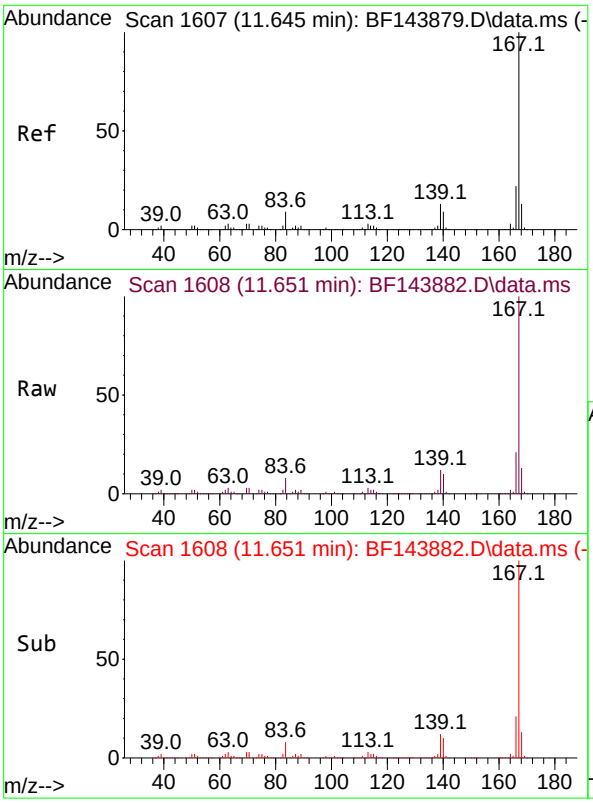


#72
Anthracene
Concen: 63.814 ng
RT: 11.498 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:178 Resp: 1688865

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.7	12.2	18.2

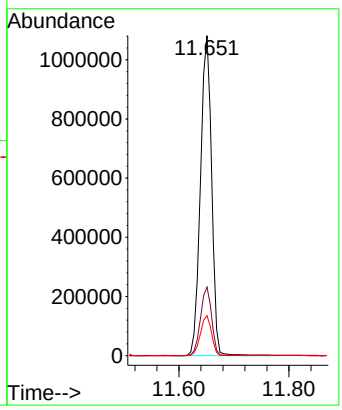




#73
Carbazole
Concen: 64.832 ng
RT: 11.651 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:167 Resp: 151961

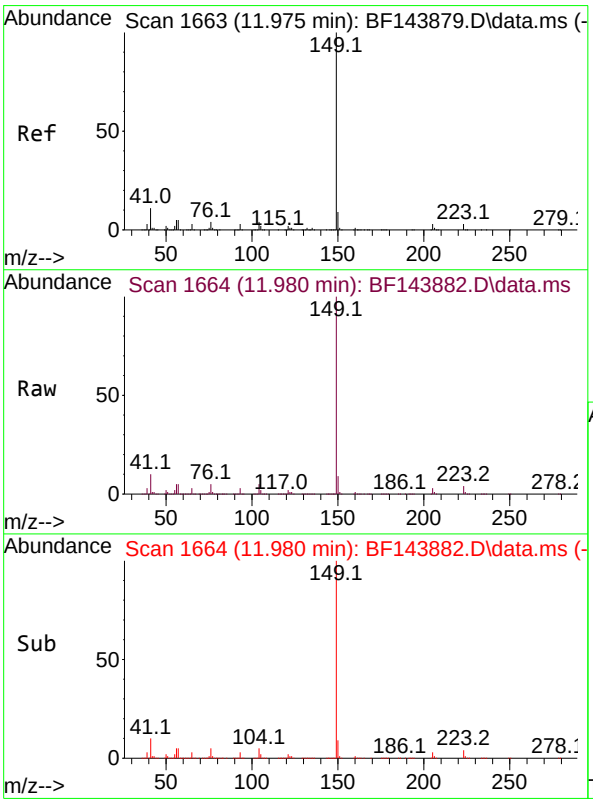
Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.2	25.8
139	12.5	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

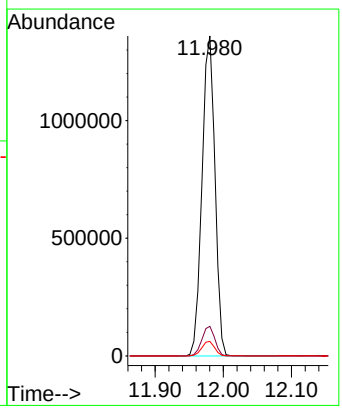
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

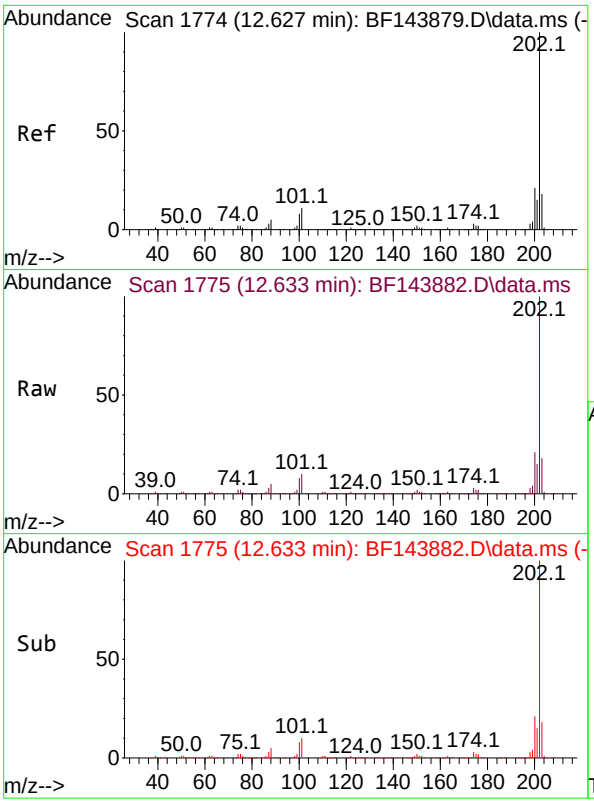


#74
Di-n-butylphthalate
Concen: 66.034 ng
RT: 11.980 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:149 Resp: 1793855

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.5	3.4	5.2

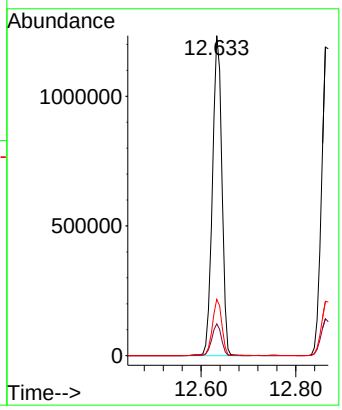




#75
Fluoranthene
Concen: 63.059 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:202 Resp: 170636

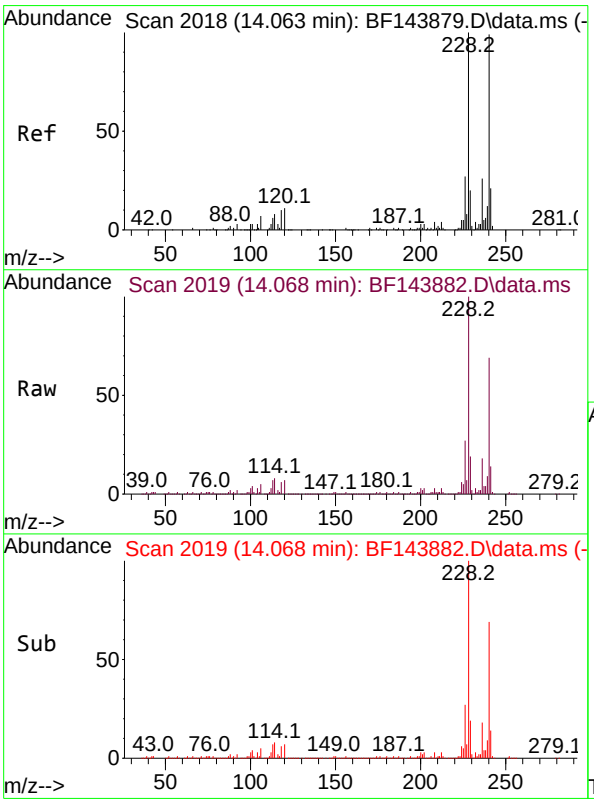
Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.7
203	17.6	0.0	37.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

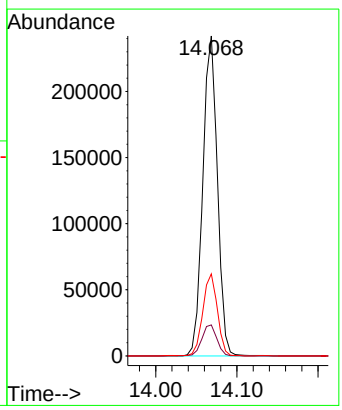
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

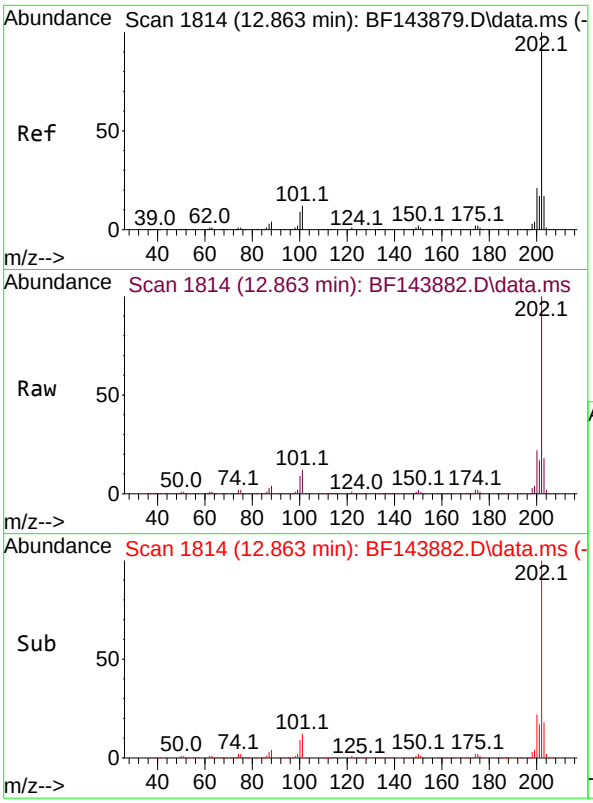


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:240 Resp: 302500

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.6	13.0
236	25.6	21.1	31.7

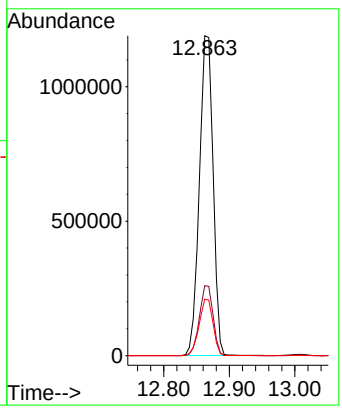




#78
Pyrene
Concen: 68.126 ng
RT: 12.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:202 Resp: 171808

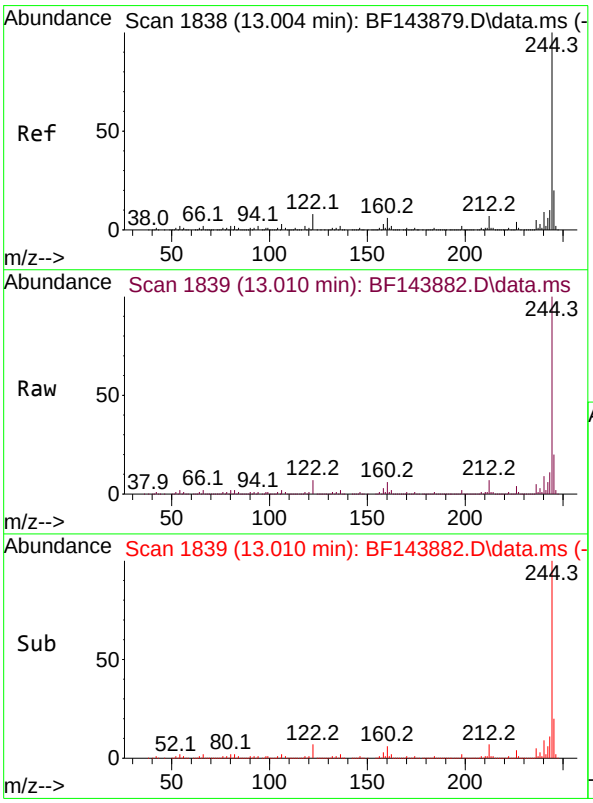
Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.0	25.6
203	17.6	13.8	20.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

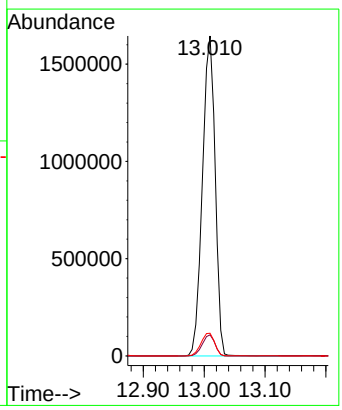
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

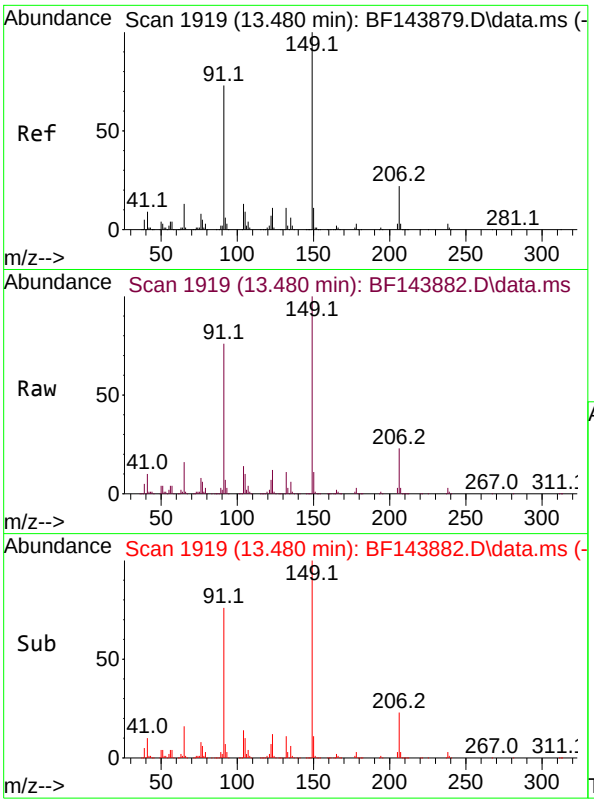


#79
Terphenyl-d14
Concen: 134.604 ng
RT: 13.010 min Scan# 1839
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:244 Resp: 2382437

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	7.1	6.4	9.6

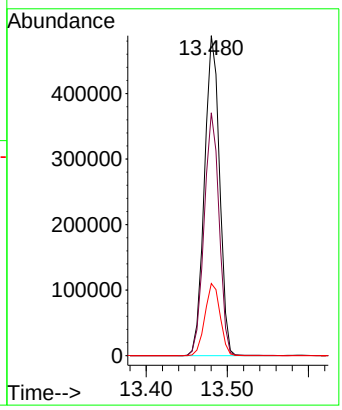




#80
Butylbenzylphthalate
Concen: 77.349 ng
RT: 13.480 min Scan# 19
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:149 Resp: 63351

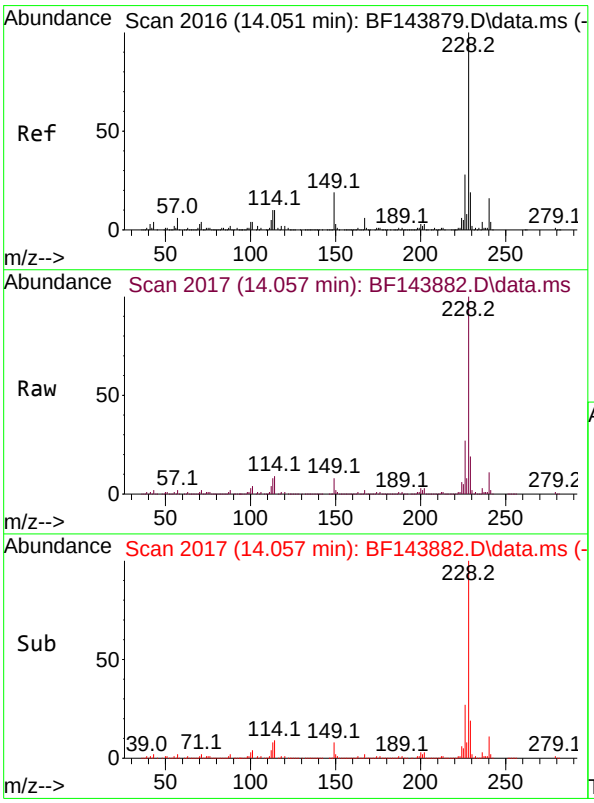
Ion	Ratio	Lower	Upper
149	100		
91	75.9	58.2	87.2
206	22.5	17.9	26.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

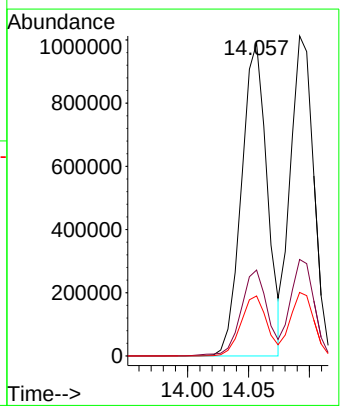
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

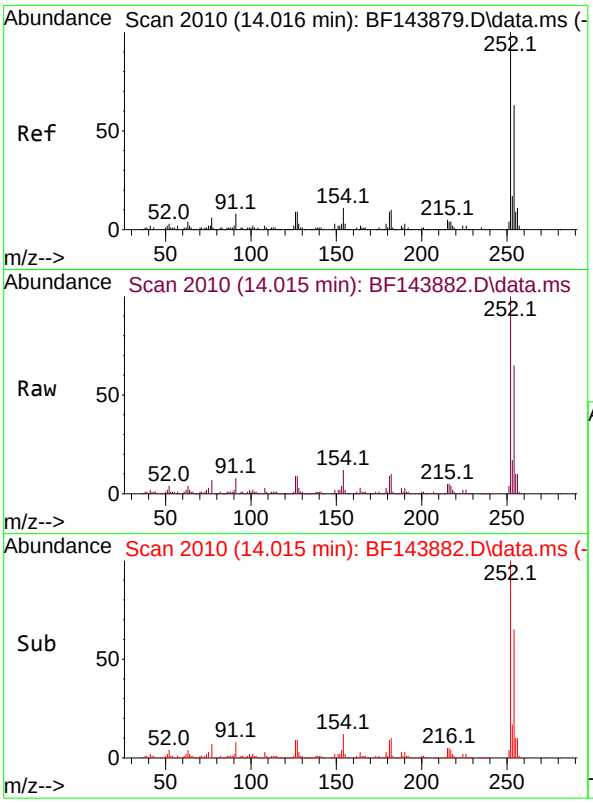


#81
Benzo(a)anthracene
Concen: 73.238 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:228 Resp: 1449801

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.2	33.2
229	19.2	15.6	23.4

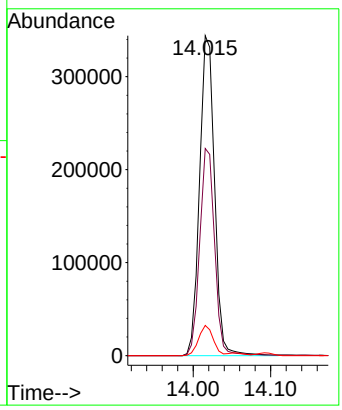




#82
3,3'-Dichlorobenzidine
Concen: 76.476 ng
RT: 14.015 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:252 Resp: 461359

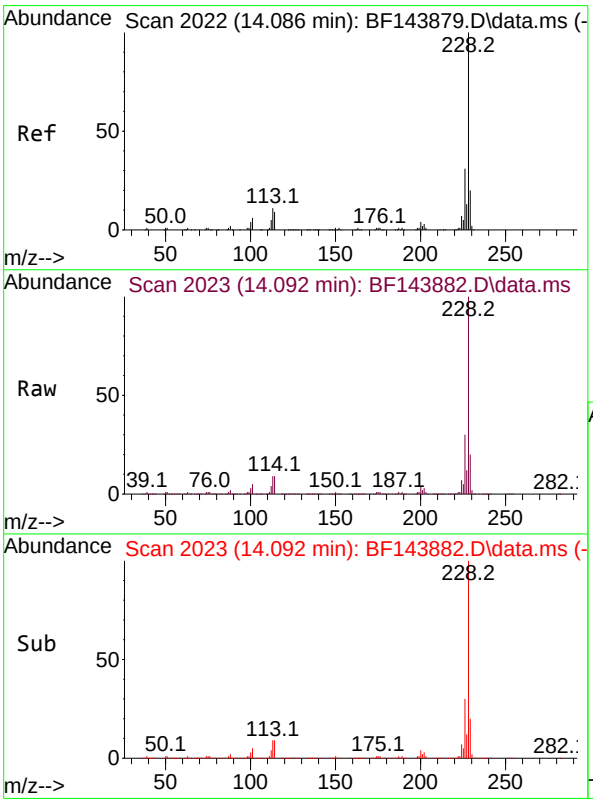
Ion	Ratio	Lower	Upper
252	100		
254	64.7	50.6	76.0
126	9.4	7.0	10.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

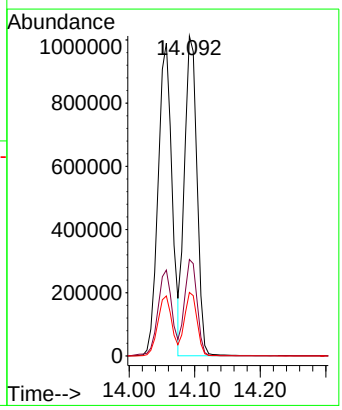
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

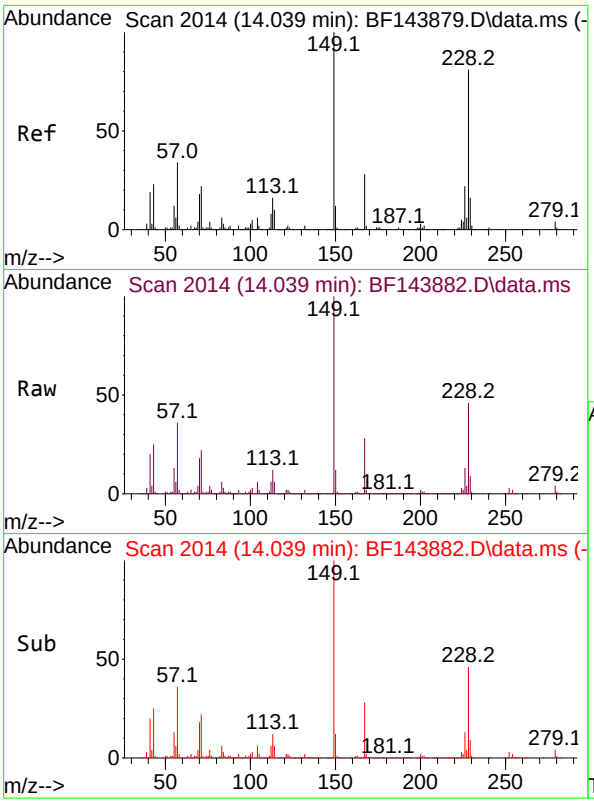


#83
Chrysene
Concen: 73.645 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:228 Resp: 1349286

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.4	36.6
229	19.8	15.9	23.9

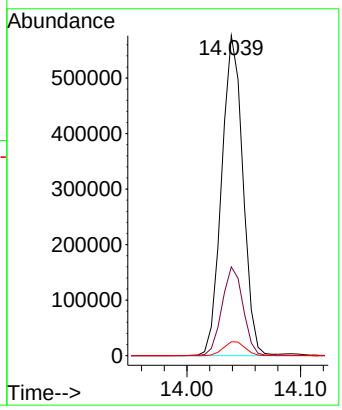




#84
Bis(2-ethylhexyl)phthalate
Concen: 75.897 ng
RT: 14.039 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:149 Resp: 74932

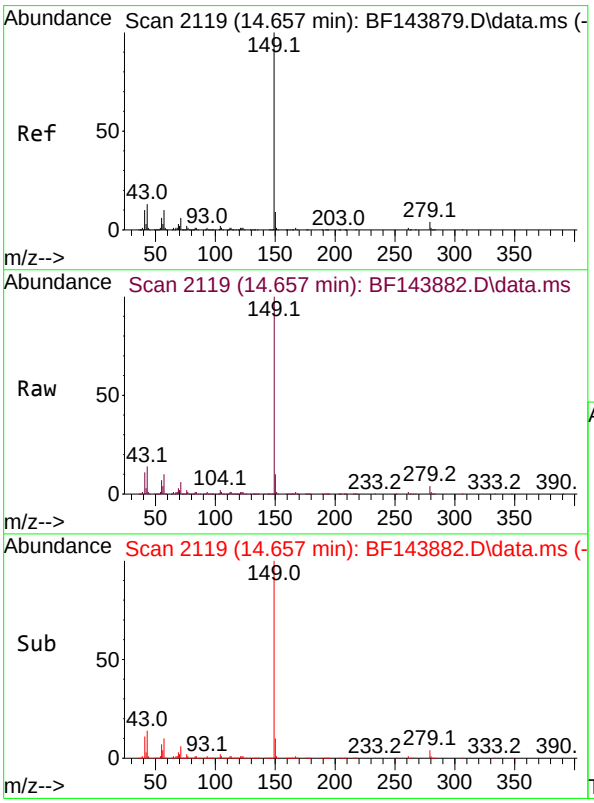
Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.2	33.4
279	4.3	3.1	4.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

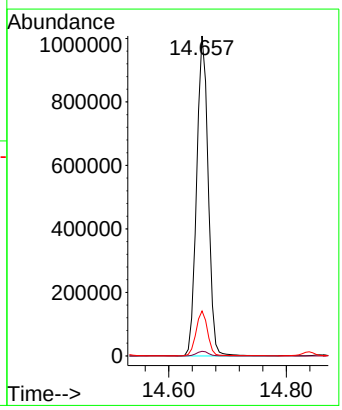
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

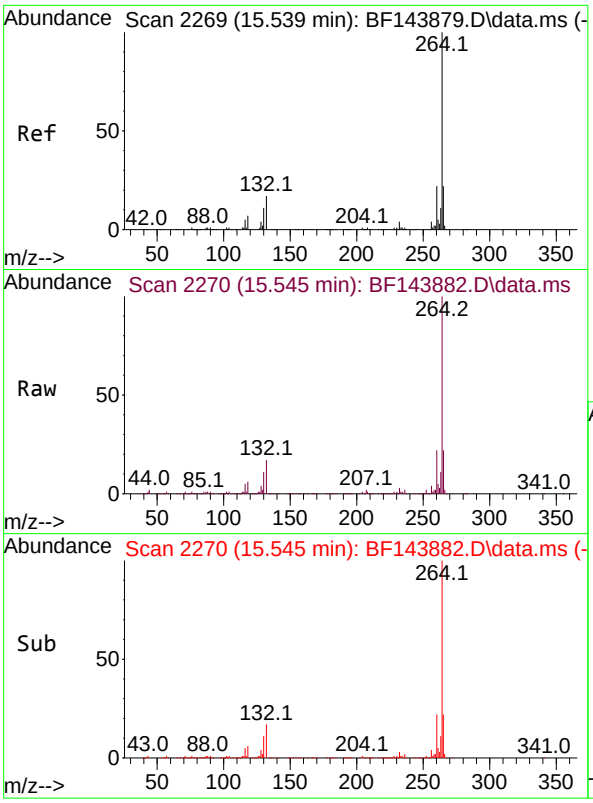


#85
Di-n-octyl phthalate
Concen: 84.532 ng
RT: 14.657 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:149 Resp: 1370760

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	14.1	11.0	16.4

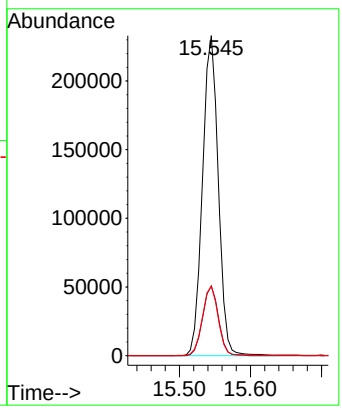




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:264 Resp: 35791

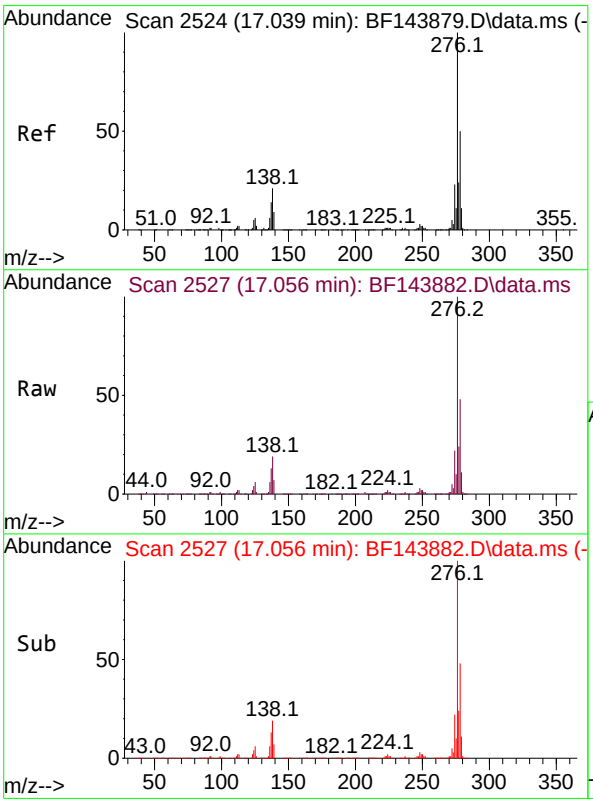
Ion	Ratio	Lower	Upper
264	100		
260	21.8	17.8	26.8
265	21.7	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

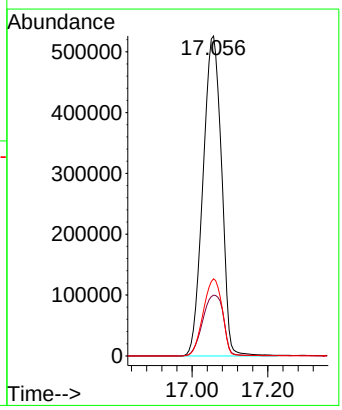
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

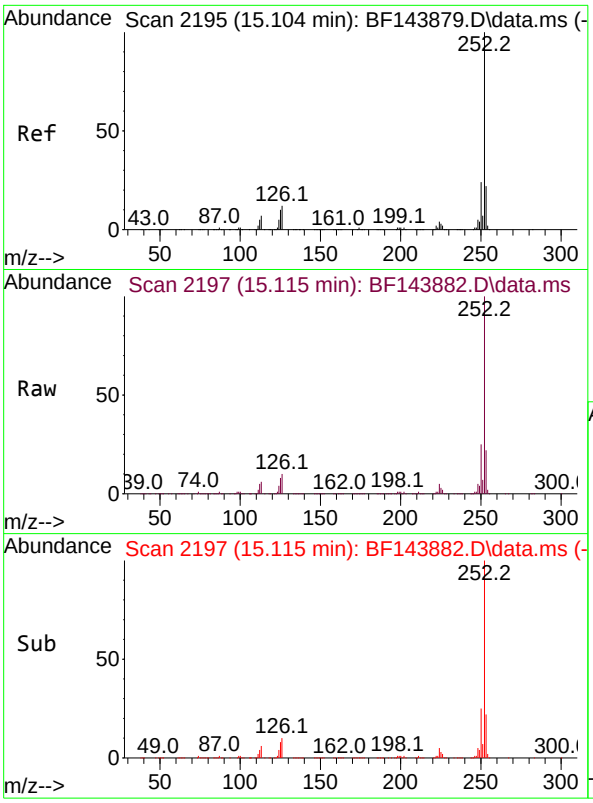


#87
Indeno(1,2,3-cd)pyrene
Concen: 81.478 ng
RT: 17.056 min Scan# 2527
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:276 Resp: 1786876

Ion	Ratio	Lower	Upper
276	100		
138	21.5	18.2	27.2
277	24.7	19.8	29.6

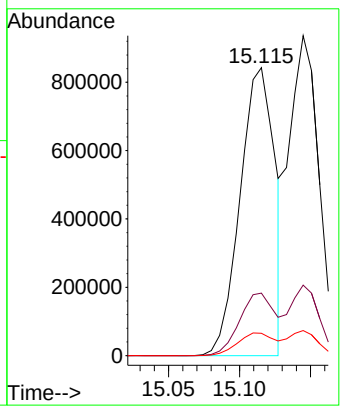




#88
Benzo(b)fluoranthene
Concen: 69.645 ng
RT: 15.115 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:252 Resp: 143187

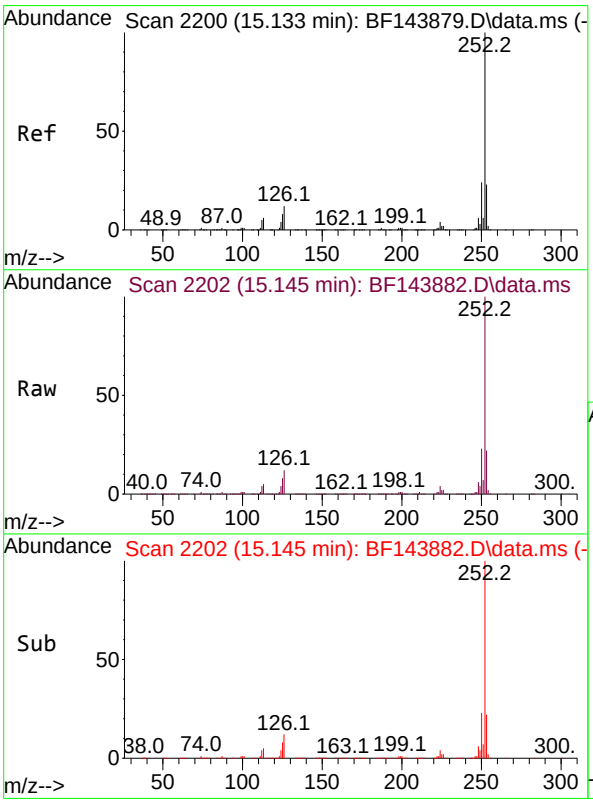
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	7.8	7.8	11.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

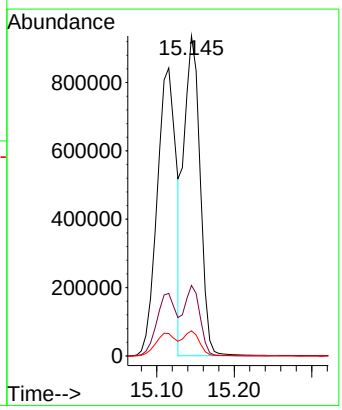
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

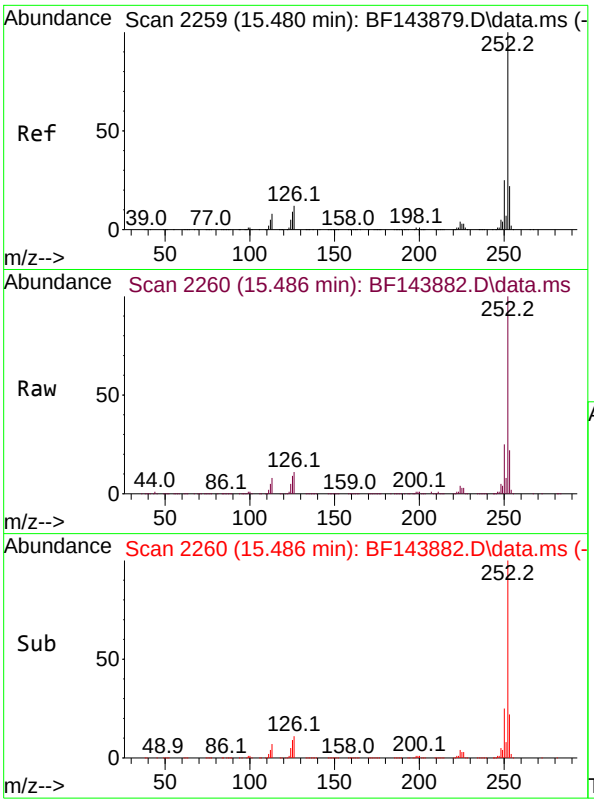


#89
Benzo(k)fluoranthene
Concen: 71.595 ng
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:252 Resp: 1362026

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	7.8	7.4	11.2

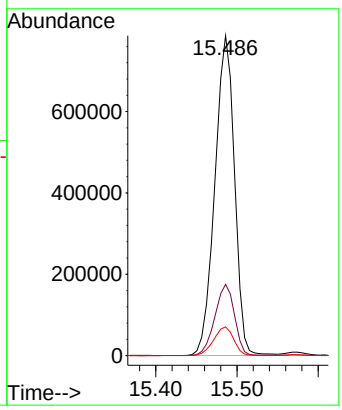




#90
Benzo(a)pyrene
Concen: 74.151 ng
RT: 15.486 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:252 Resp: 132189

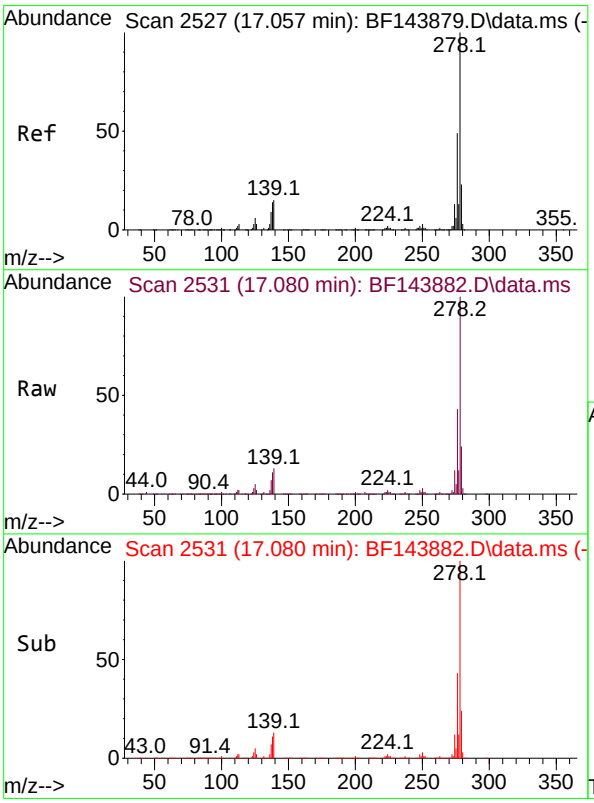
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	9.0	7.0	10.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

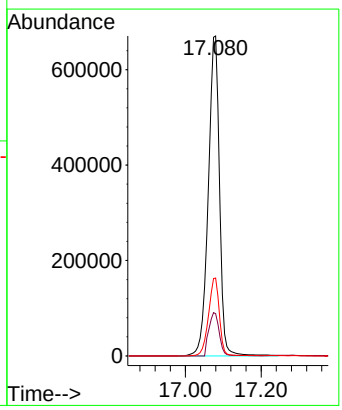
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

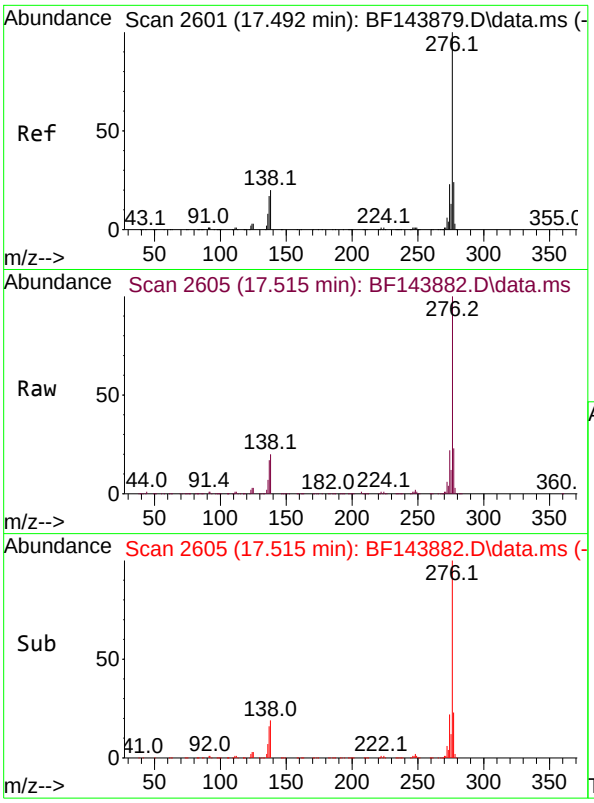


#91
Dibenzo(a,h)anthracene
Concen: 78.895 ng
RT: 17.080 min Scan# 2531
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:278 Resp: 1391562

Ion	Ratio	Lower	Upper
278	100		
139	13.2	11.7	17.5
279	24.3	18.4	27.6

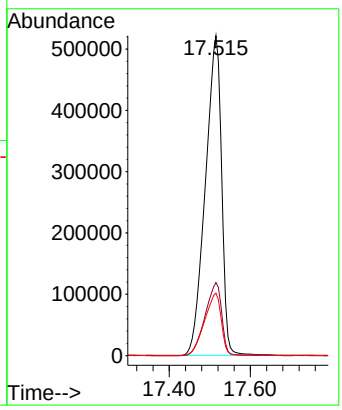




#92
Benzo(g,h,i)perylene
Concen: 82.305 ng
RT: 17.515 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:276 Resp: 145172

Ion	Ratio	Lower	Upper
276	100		
277	22.8	19.0	28.6
138	19.5	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	114039	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	448972	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	247780	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	431562	20.000	ng	0.00
76) Chrysene-d12	14.063	240	259802	20.000	ng	0.00
86) Perylene-d12	15.539	264	249446	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	537941	74.908	ng	0.00
7) Phenol-d6	6.498	99	637597	74.487	ng	-0.02
23) Nitrobenzene-d5	7.445	82	549291	74.330	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	176914	71.685	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1055942	67.621	ng	-0.01
79) Terphenyl-d14	13.004	244	1131636	74.443	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.652	88	123809	37.256	ng	99
3) Pyridine	3.410	79	341125	35.261	ng	99
4) n-Nitrosodimethylamine	3.357	42	195710	38.456	ng	97
6) Aniline	6.545	93	486607	37.937	ng	99
8) 2-Chlorophenol	6.663	128	267562	38.116	ng	98
9) Benzaldehyde	6.434	77	245247	37.141	ng	99
10) Phenol	6.516	94	383770m	37.501	ng	
11) bis(2-Chloroethyl)ether	6.616	93	289024	36.561	ng	99
12) 1,3-Dichlorobenzene	6.822	146	317865	37.828	ng	100
13) 1,4-Dichlorobenzene	6.898	146	318221	38.392	ng	100
14) 1,2-Dichlorobenzene	7.051	146	314832	39.655	ng	99
15) Benzyl Alcohol	7.022	79	249958	38.974	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	676009	37.568	ng	99
17) 2-Methylphenol	7.128	107	222497	38.352	ng	96
18) Hexachloroethane	7.398	117	104363	37.755	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	214516	36.612	ng	98
20) 3+4-Methylphenols	7.281	107	268144	39.880	ng	94
22) Acetophenone	7.292	105	358014	37.713	ng	96
24) Nitrobenzene	7.463	77	309611	37.727	ng	100
25) Isophorone	7.704	82	550779	35.347	ng	99
26) 2-Nitrophenol	7.781	139	136223	38.717	ng	99
27) 2,4-Dimethylphenol	7.810	122	258524	40.847	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	360632	36.639	ng	98
29) 2,4-Dichlorophenol	8.016	162	243265	36.899	ng	97
30) 1,2,4-Trichlorobenzene	8.104	180	243161	37.503	ng	98
31) Naphthalene	8.186	128	749110	36.679	ng	99
32) Benzoic acid	7.904	122	154019	35.162	ng	98
33) 4-Chloroaniline	8.233	127	321328	41.950	ng	98
34) Hexachlorobutadiene	8.304	225	158600	35.201	ng	95
35) Caprolactam	8.598	113	79102	37.736	ng	93
36) 4-Chloro-3-methylphenol	8.710	107	228481	36.079	ng	99
37) 2-Methylnaphthalene	8.881	142	452442	33.257	ng	99
38) 1-Methylnaphthalene	8.980	142	465414	35.269	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	254223	37.122	ng	98
41) Hexachlorocyclopentadiene	9.033	237	139168	48.984	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	183769	36.726	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	186099	35.194	ng		96
46) 1,1'-Biphenyl	9.345	154	603213	36.770	ng		98
47) 2-Chloronaphthalene	9.369	162	498615	36.454	ng		97
48) 2-Nitroaniline	9.463	65	168191	38.894	ng		99
49) Acenaphthylene	9.786	152	785697	40.859	ng		99
50) Dimethylphthalate	9.645	163	565953	35.968	ng		99
51) 2,6-Dinitrotoluene	9.704	165	122449	41.967	ng		99
52) Acenaphthene	9.957	154	452513	35.913	ng		99
53) 3-Nitroaniline	9.875	138	144668	40.493	ng		95
54) 2,4-Dinitrophenol	9.975	184	52796	33.731	ng	#	42
55) Dibenzofuran	10.127	168	653073	36.717	ng		99
56) 4-Nitrophenol	10.022	139	99684	36.850	ng		96
57) 2,4-Dinitrotoluene	10.104	165	163440	41.169	ng		99
58) Fluorene	10.475	166	476811	35.527	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.204	232	144064	38.488	ng		93
60) Diethylphthalate	10.345	149	533574	36.501	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	256247	36.113	ng		96
62) 4-Nitroaniline	10.486	138	127369	37.074	ng		99
63) Azobenzene	10.627	77	562787	36.837	ng		100
65) 4,6-Dinitro-2-methylph...	10.516	198	80422	37.083	ng		96
66) n-Nitrosodiphenylamine	10.580	169	496618	36.649	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	162033	33.973	ng		95
68) Hexachlorobenzene	11.022	284	190028	34.415	ng		99
69) Atrazine	11.110	200	160244	39.016	ng		98
70) Pentachlorophenol	11.216	266	104958	33.097	ng		99
71) Phenanthrene	11.439	178	743609	35.542	ng		99
72) Anthracene	11.492	178	766674	36.273	ng		99
73) Carbazole	11.645	167	678522	36.246	ng		99
74) Di-n-butylphthalate	11.974	149	806451	37.171	ng		99
75) Fluoranthene	12.627	202	778418	36.019	ng		99
77) Benzidine	12.751	184	409653	45.411	ng		98
78) Pyrene	12.863	202	789075	36.431	ng		99
80) Butylbenzylphthalate	13.480	149	274237	38.986	ng		98
81) Benzo(a)anthracene	14.051	228	614473	36.142	ng		100
82) 3,3'-Dichlorobenzidine	14.015	252	221480	42.747	ng		99
83) Chrysene	14.086	228	594668	37.792	ng		98
84) Bis(2-ethylhexyl)phtha...	14.039	149	326966	38.560	ng		99
85) Di-n-octyl phthalate	14.657	149	502989	36.116	ng		99
87) Indeno(1,2,3-cd)pyrene	17.033	276	563492	36.867	ng		98
88) Benzo(b)fluoranthene	15.104	252	537814	37.533	ng		99
89) Benzo(k)fluoranthene	15.133	252	467396	35.252	ng		100
90) Benzo(a)pyrene	15.474	252	470896	37.900	ng		98
91) Dibenzo(a,h)anthracene	17.051	278	454776	36.995	ng		97
92) Benzo(g,h,i)perylene	17.486	276	456833	37.162	ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

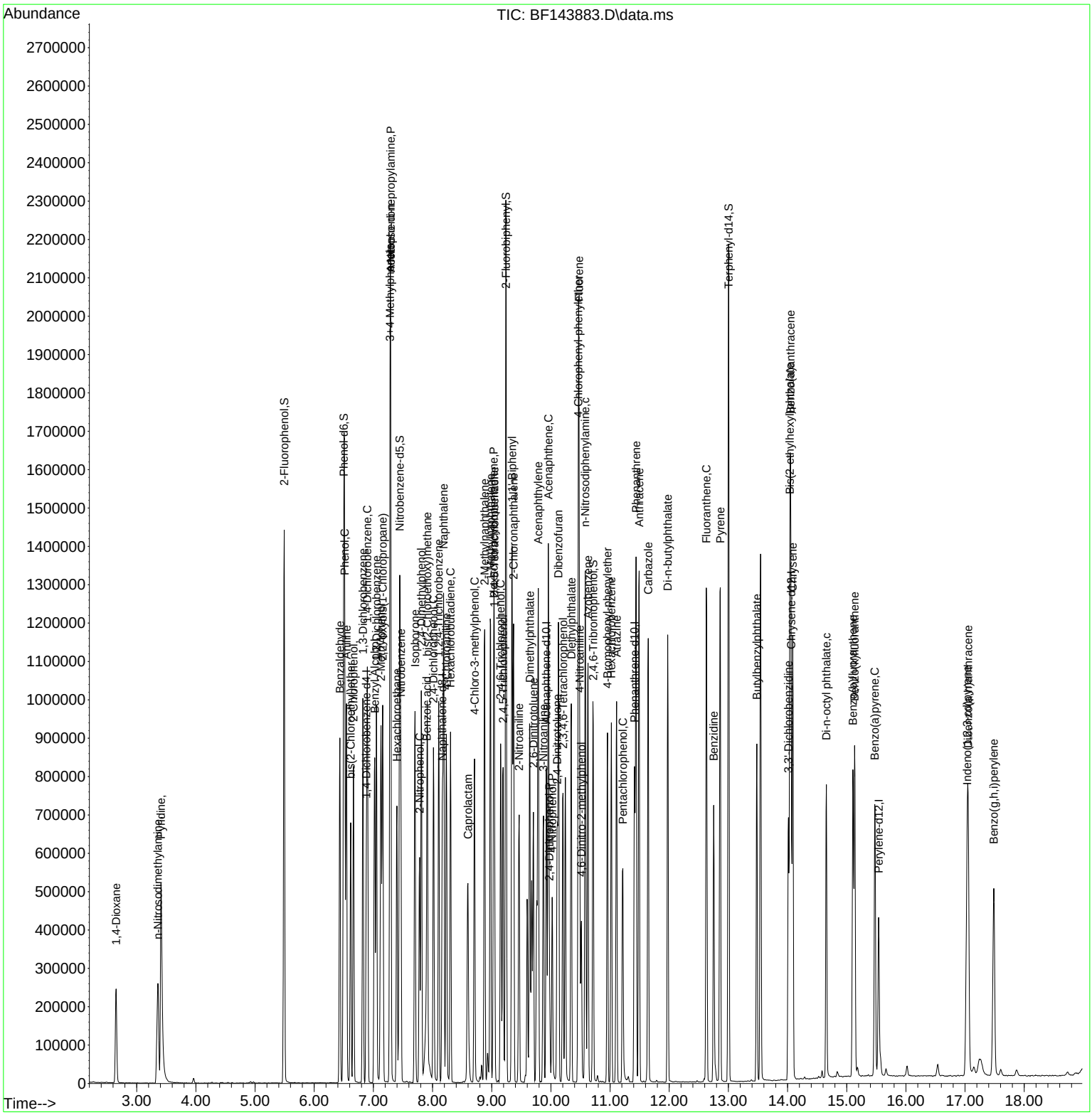
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

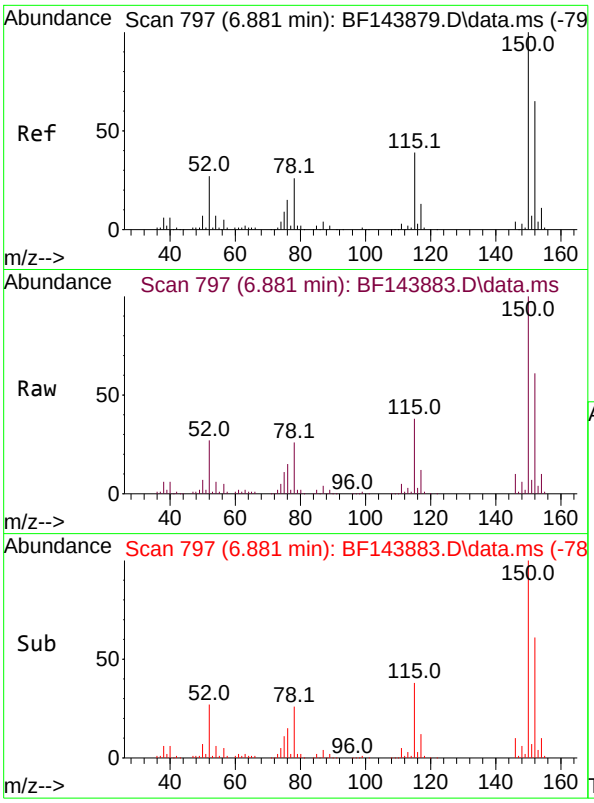
Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

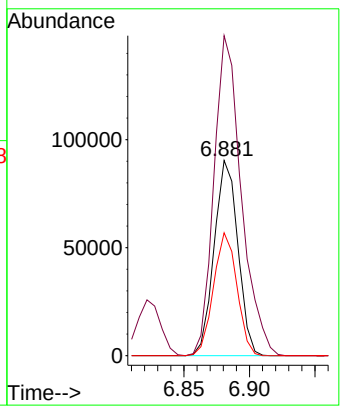




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:152 Resp: 114039

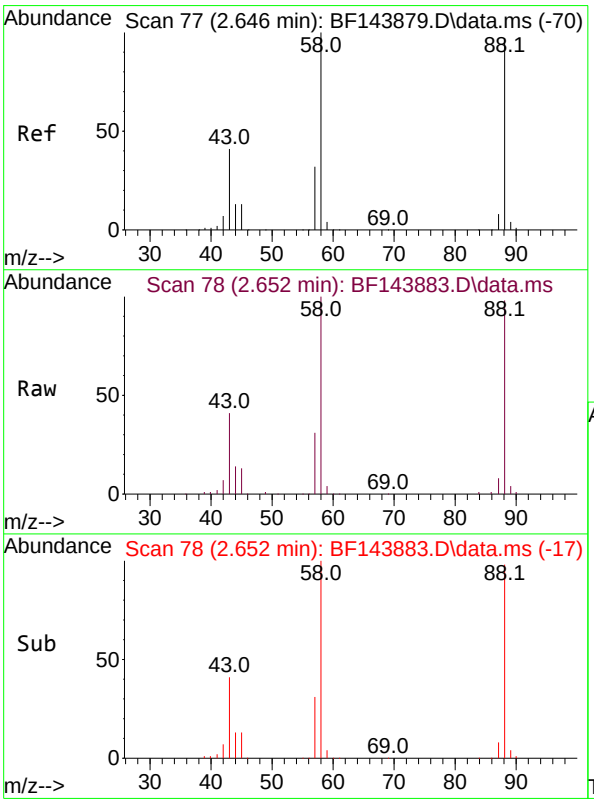
Ion	Ratio	Lower	Upper
152	100		
150	164.0	124.4	186.6
115	62.9	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

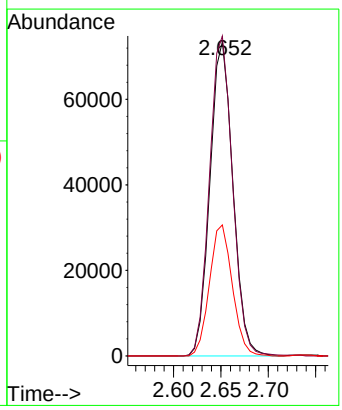
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

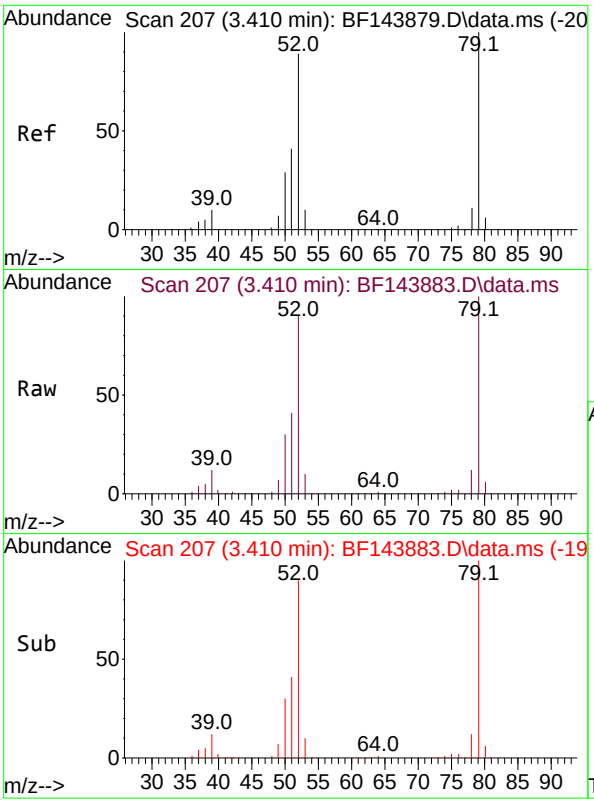


#2
1,4-Dioxane
Concen: 37.256 ng
RT: 2.652 min Scan# 78
Delta R.T. 0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 88 Resp: 123809

Ion	Ratio	Lower	Upper
88	100		
58	102.6	83.0	124.6
43	41.5	33.9	50.9

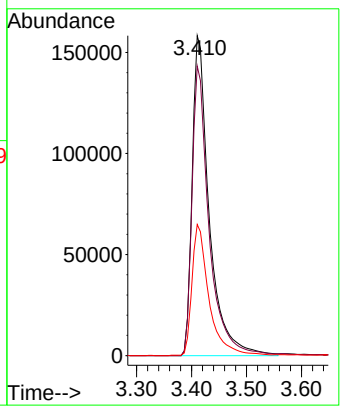




#3
Pyridine
Concen: 35.261 ng
RT: 3.410 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 79 Resp: 34112

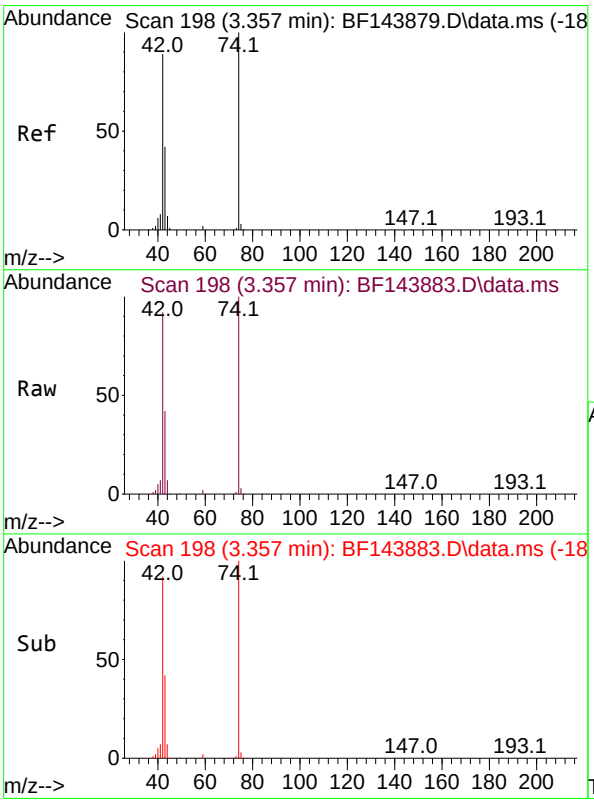
Ion	Ratio	Lower	Upper
79	100		
52	90.5	71.5	107.3
51	41.0	32.9	49.3



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

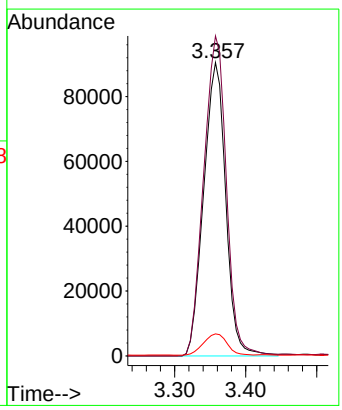
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

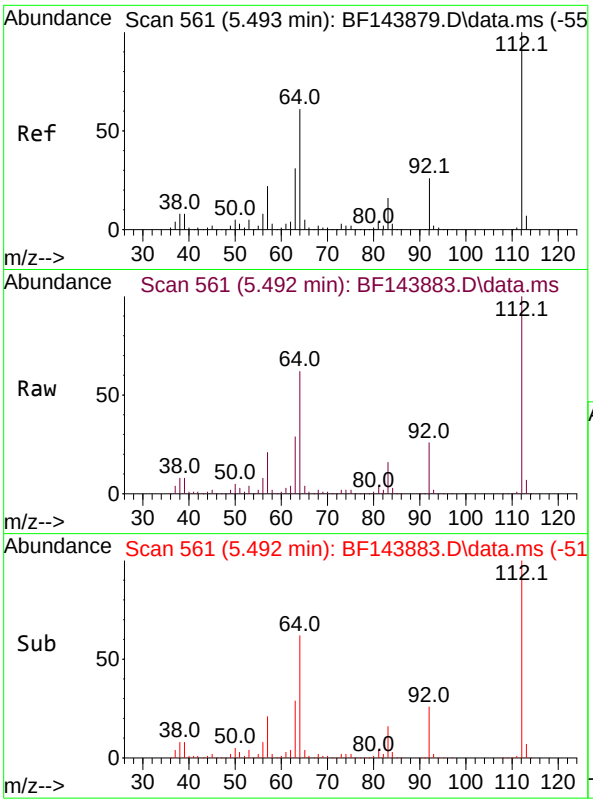


#4
n-Nitrosodimethylamine
Concen: 38.456 ng
RT: 3.357 min Scan# 198
Delta R.T. -0.029 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 42 Resp: 195710

Ion	Ratio	Lower	Upper
42	100		
74	109.1	90.0	135.0
44	7.5	6.2	9.2

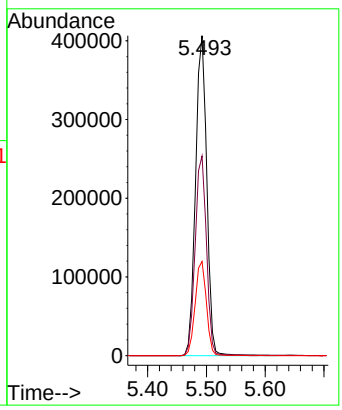




#5
2-Fluorophenol
Concen: 74.908 ng
RT: 5.492 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:112 Resp: 53794

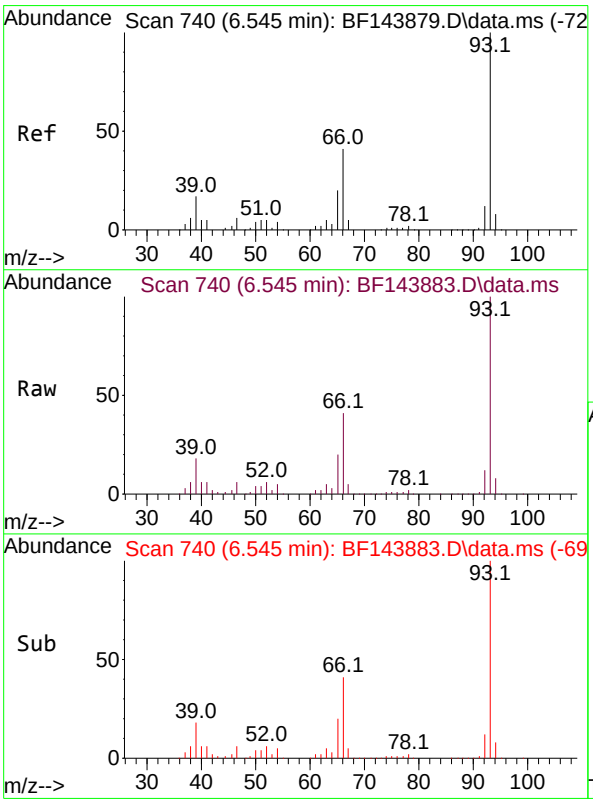
Ion	Ratio	Lower	Upper
112	100		
64	62.4	49.1	73.7
63	29.4	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

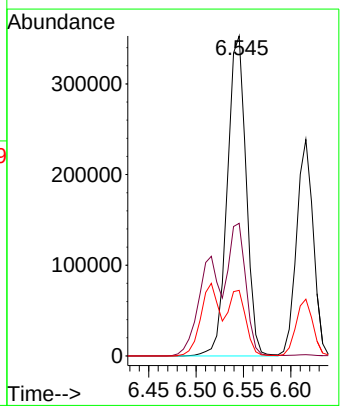
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

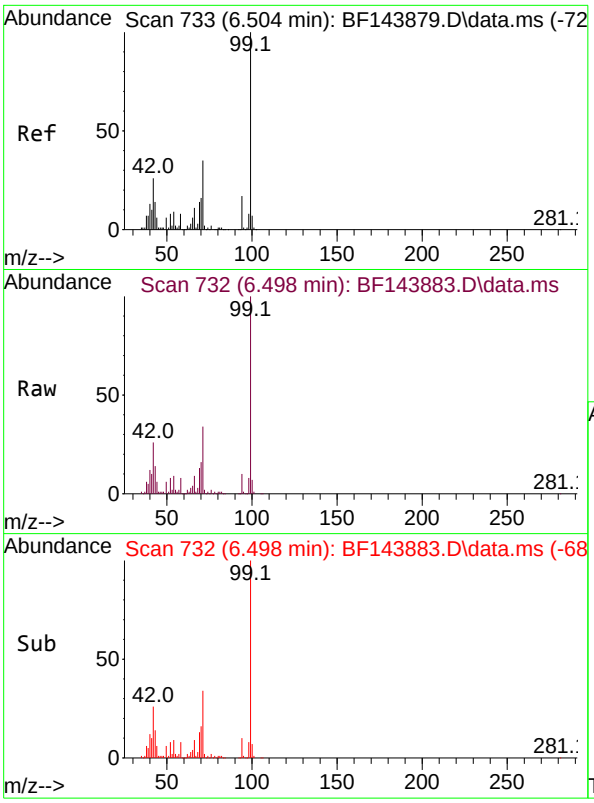


#6
Aniline
Concen: 37.937 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 93 Resp: 486607

Ion	Ratio	Lower	Upper
93	100		
66	41.4	33.0	49.6
65	20.5	15.8	23.8

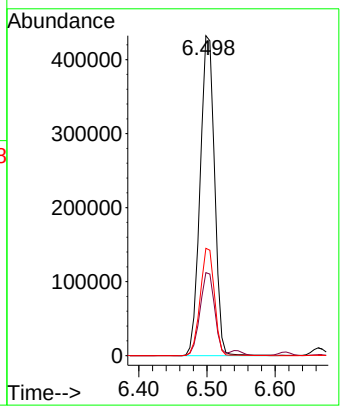




#7
Phenol-d6
Concen: 74.487 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 99 Resp: 63759

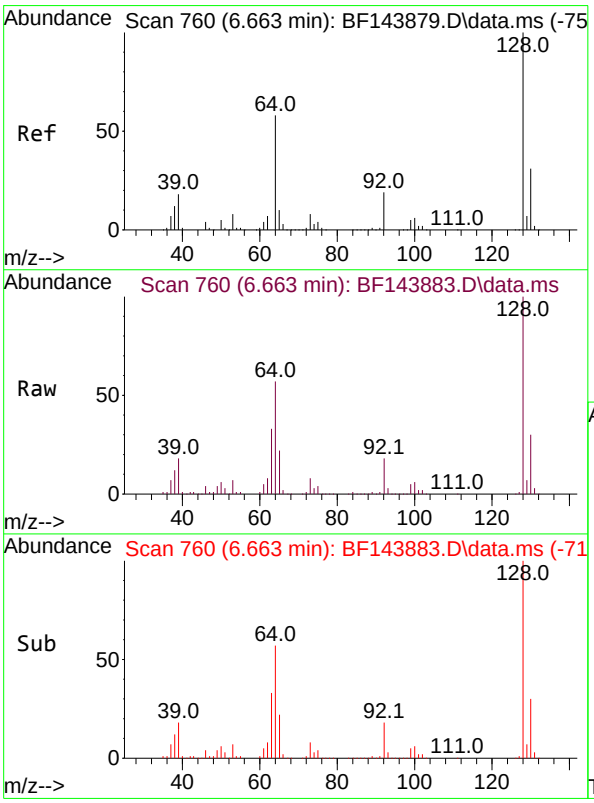
Ion	Ratio	Lower	Upper
99	100		
42	25.9	21.0	31.4
71	33.5	27.8	41.8



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

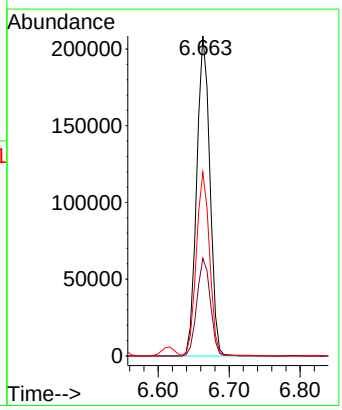
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

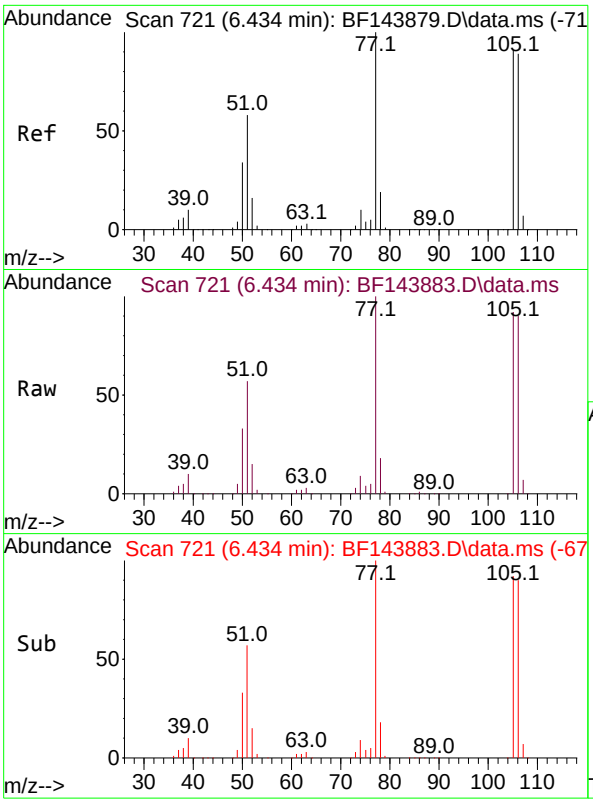


#8
2-Chlorophenol
Concen: 38.116 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:128 Resp: 267562

Ion	Ratio	Lower	Upper
128	100		
130	30.5	10.7	50.7
64	57.4	39.0	79.0

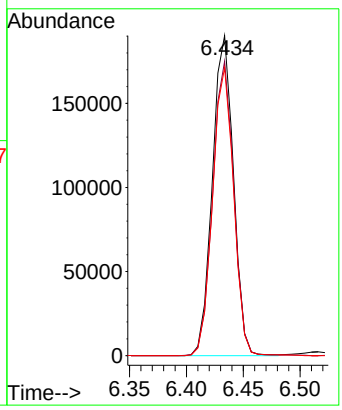




#9
Benzaldehyde
Concen: 37.141 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 77 Resp: 24524

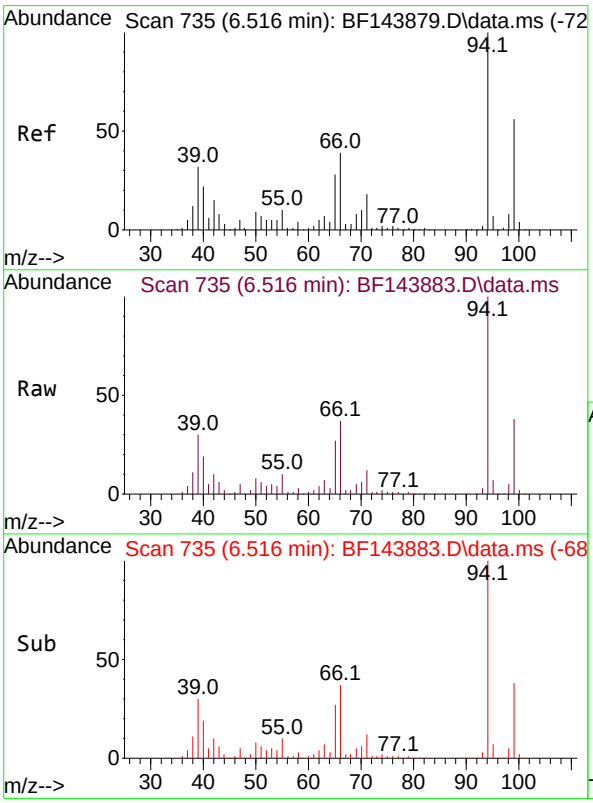
Ion	Ratio	Lower	Upper
77	100		
105	92.0	70.9	110.9
106	90.0	68.9	108.9



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

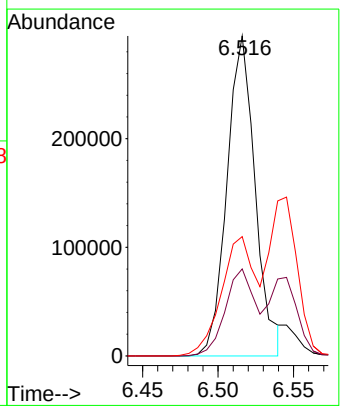
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

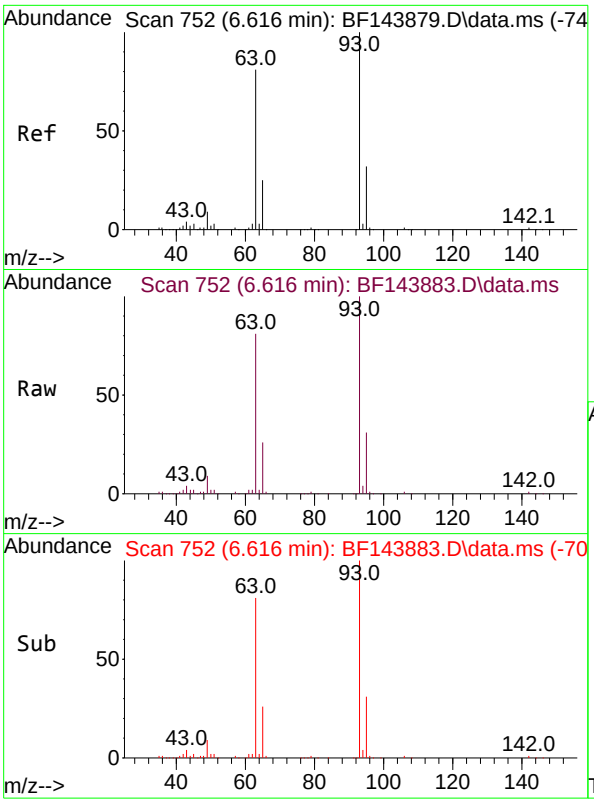


#10
Phenol
Concen: 37.501 ng m
RT: 6.516 min Scan# 735
Delta R.T. -0.018 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 94 Resp: 383770

Ion	Ratio	Lower	Upper
94	100		
65	27.2	8.5	48.5
66	37.3	19.9	59.9

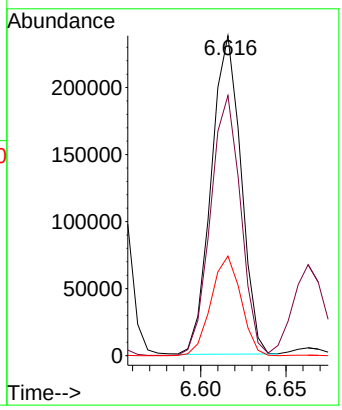




#11
bis(2-Chloroethyl)ether
Concen: 36.561 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 93 Resp: 28902

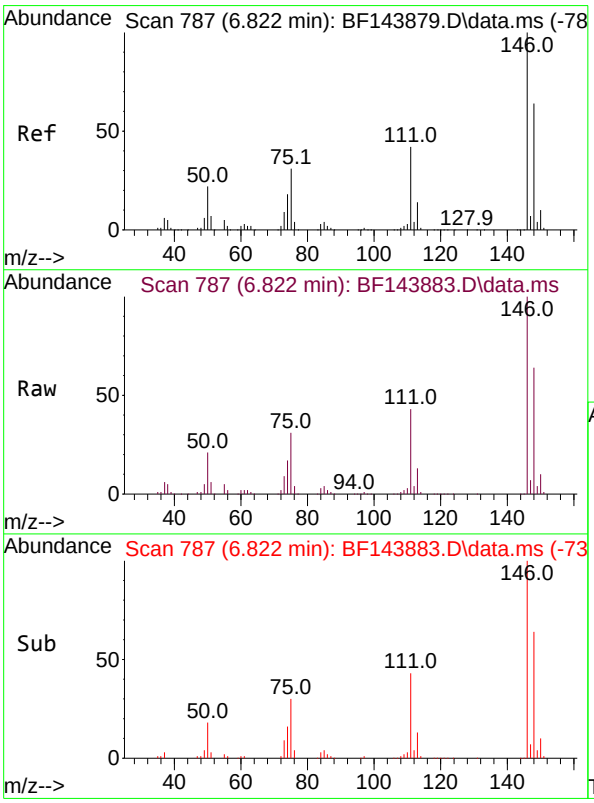
Ion	Ratio	Lower	Upper
93	100		
63	81.3	60.9	100.9
95	31.1	11.5	51.5



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

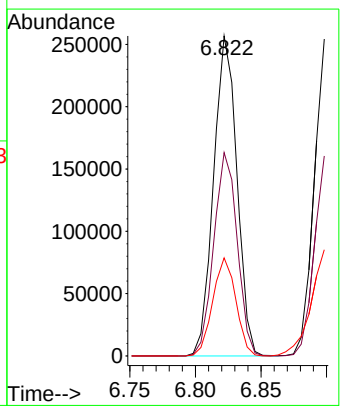
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

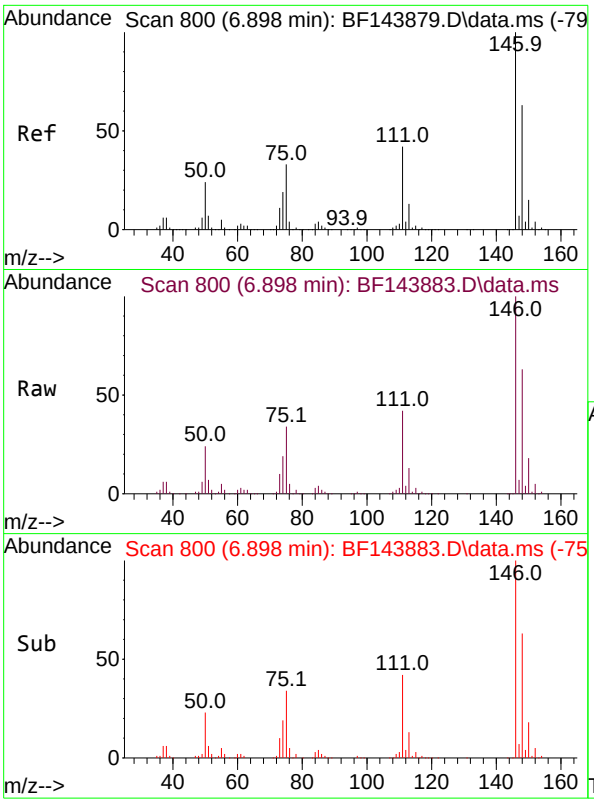


#12
1,3-Dichlorobenzene
Concen: 37.828 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:146 Resp: 317865

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.0	76.4
75	30.6	24.9	37.3

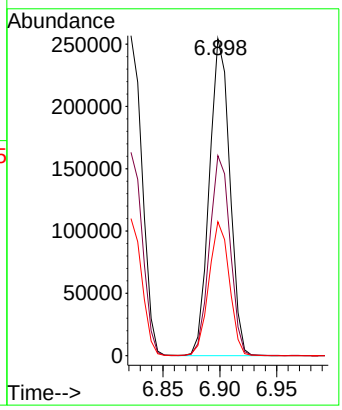




#13
1,4-Dichlorobenzene
Concen: 38.392 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:146 Resp: 31822

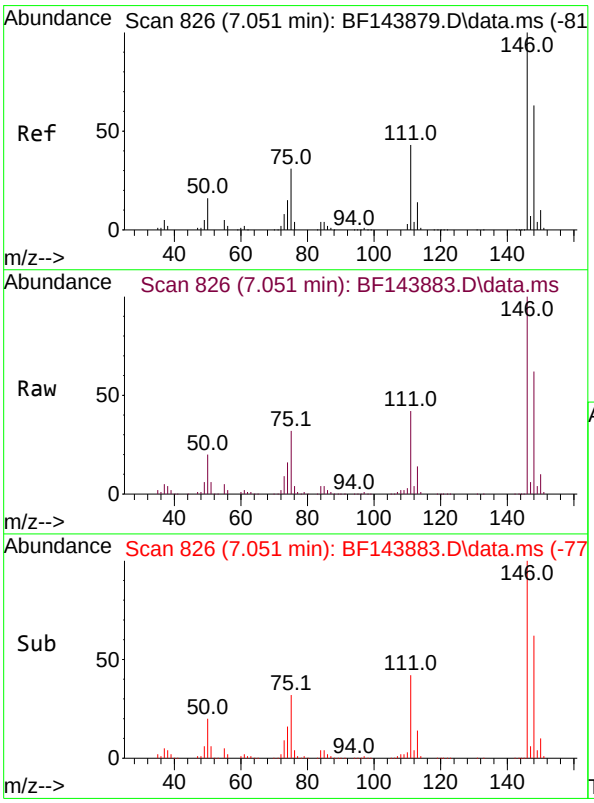
Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
111	42.2	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

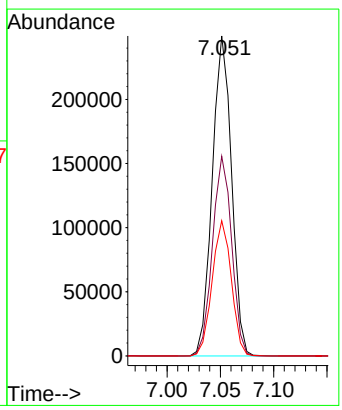
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

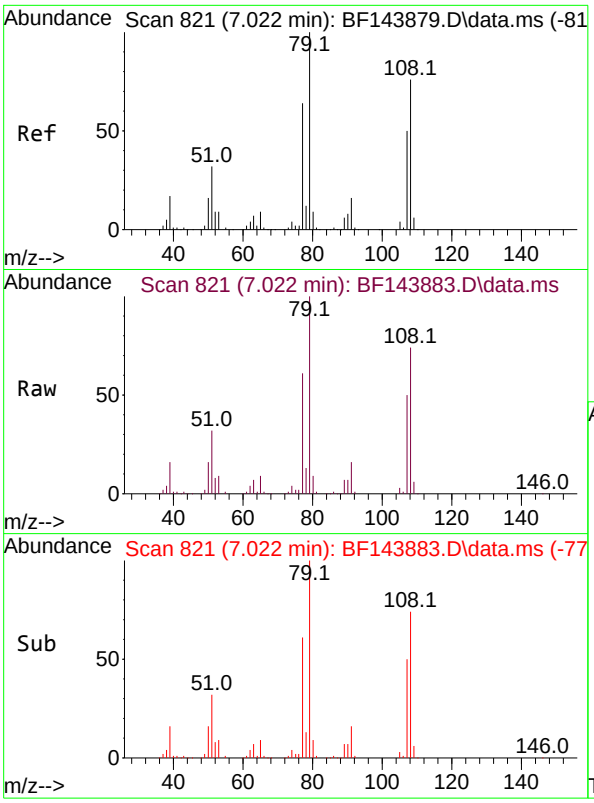


#14
1,2-Dichlorobenzene
Concen: 39.655 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:146 Resp: 314832

Ion	Ratio	Lower	Upper
146	100		
148	62.4	50.6	75.8
111	42.2	34.6	51.8





#15
Benzyl Alcohol
Concen: 38.974 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

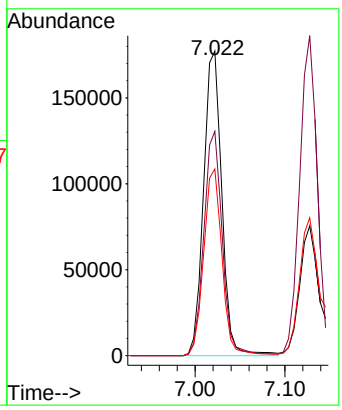
Tgt Ion: 79 Resp: 24995

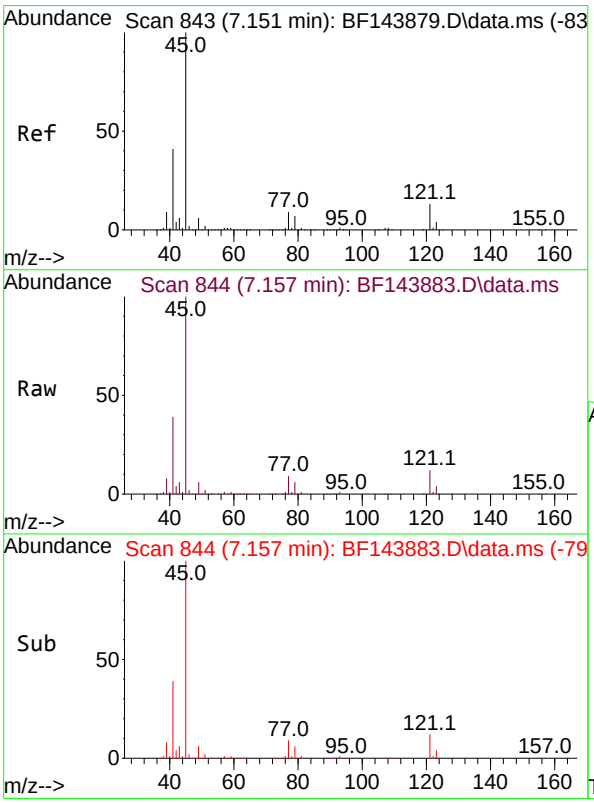
Ion	Ratio	Lower	Upper
79	100		
108	73.6	60.8	91.2
77	61.3	51.0	76.6

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

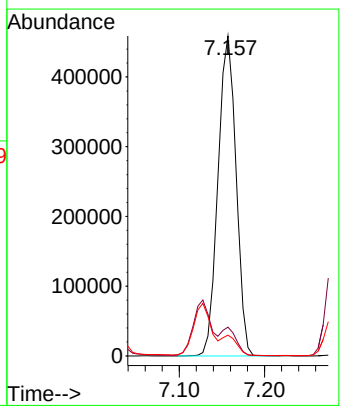


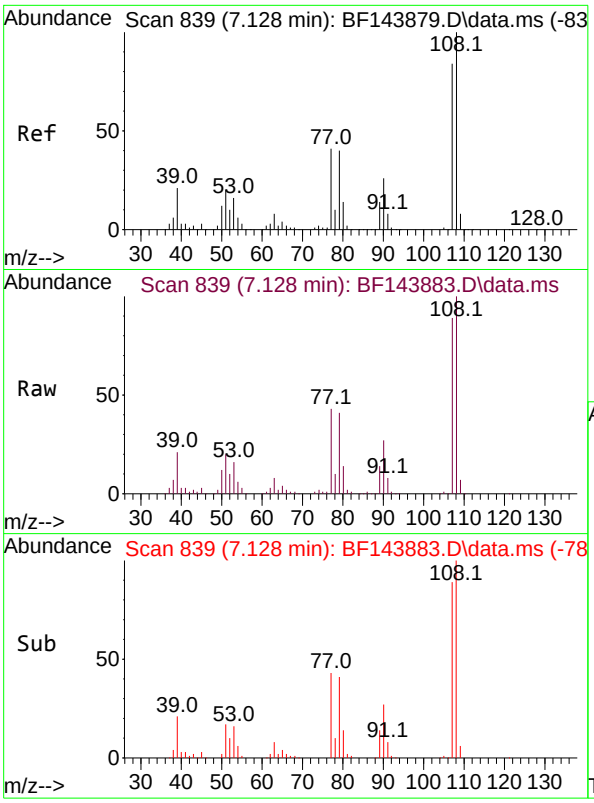


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.568 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 45 Resp: 676009

Ion	Ratio	Lower	Upper
45	100		
77	9.0	0.0	29.0
79	6.5	0.0	26.8

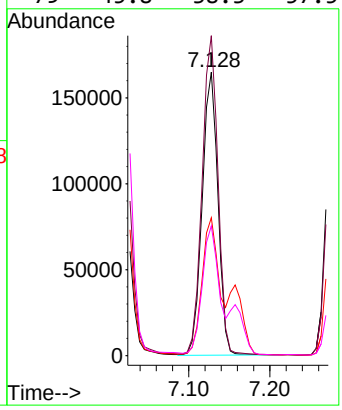




#17
2-Methylphenol
Concen: 38.352 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:107 Resp: 22249

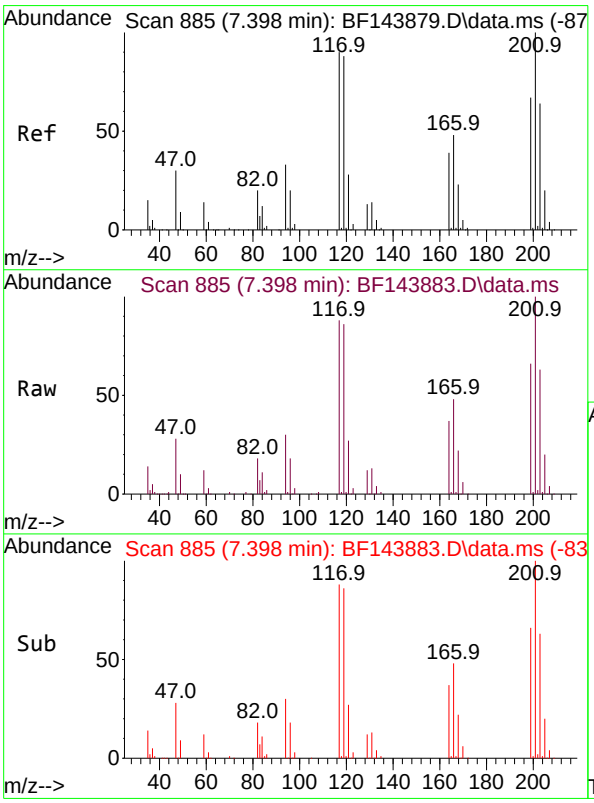
Ion	Ratio	Lower	Upper
107	100		
108	112.9	94.7	142.1
77	48.7	38.8	58.2
79	45.8	38.3	57.5



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

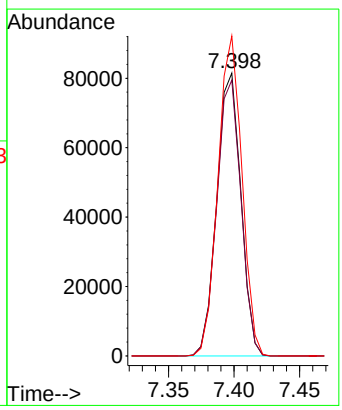
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

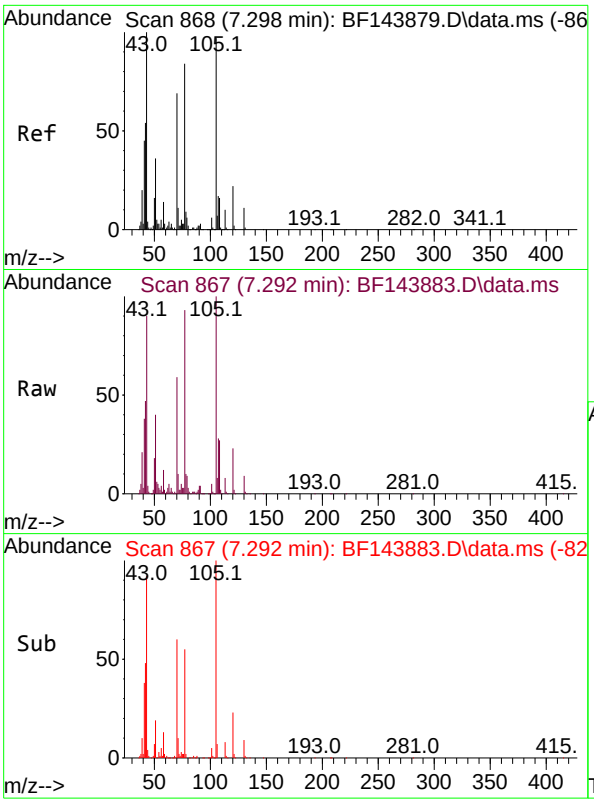


#18
Hexachloroethane
Concen: 37.755 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:117 Resp: 104363

Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.8	116.8
201	113.1	88.5	132.7

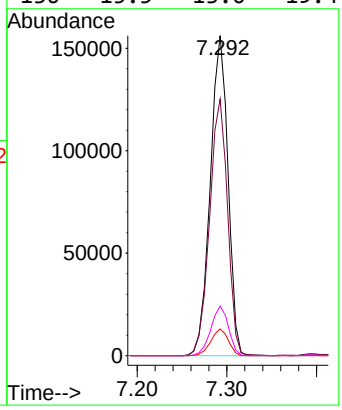




#19
n-Nitroso-di-n-propylamine
Concen: 36.612 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 70 Resp: 21451

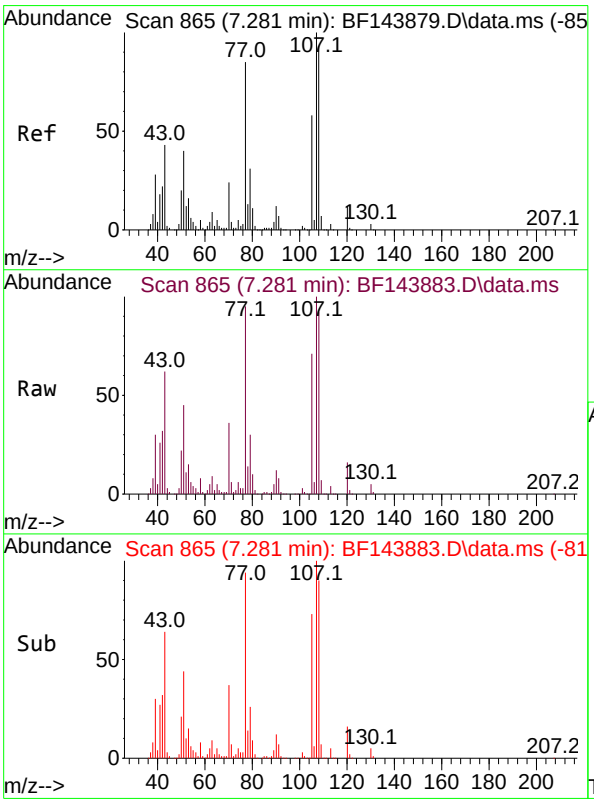
Ion	Ratio	Lower	Upper
70	100		
42	80.2	62.8	94.2
101	8.3	6.7	10.1
130	15.5	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

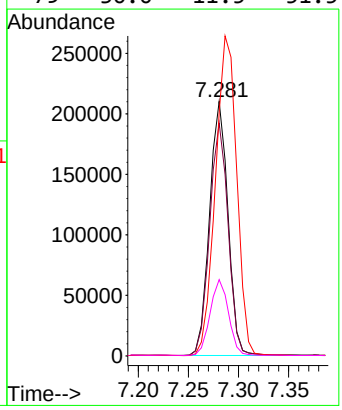
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

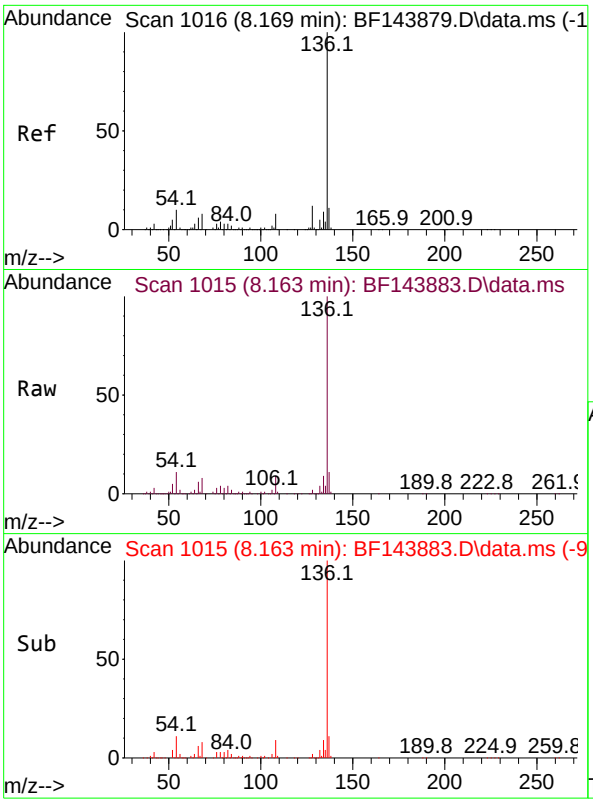


#20
3+4-Methylphenols
Concen: 39.880 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.018 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:107 Resp: 268144

Ion	Ratio	Lower	Upper
107	100		
108	91.5	73.0	113.0
77	95.3	64.6	104.6
79	30.0	11.5	51.5

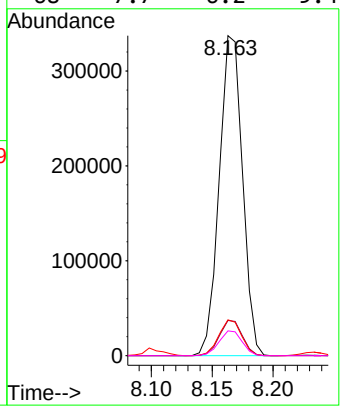




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:136 Resp: 44897

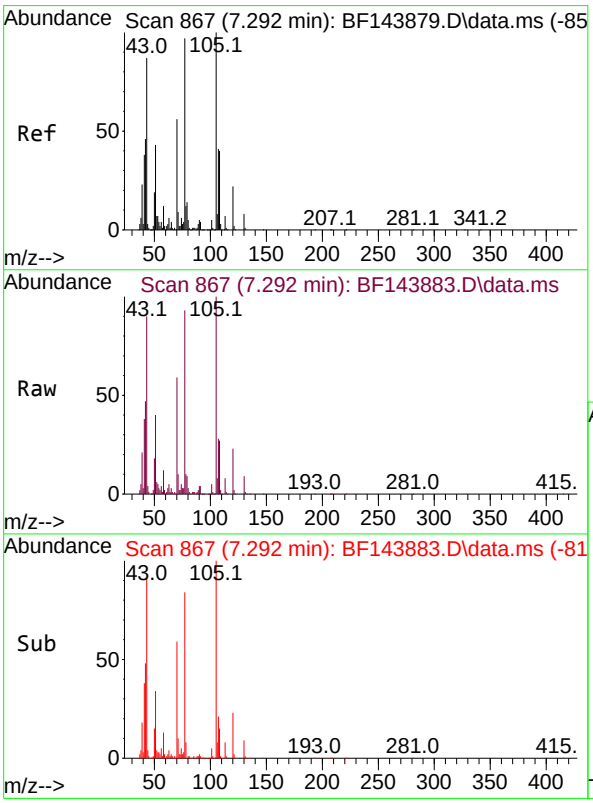
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	11.2	8.2	12.4
68	7.7	6.2	9.4



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

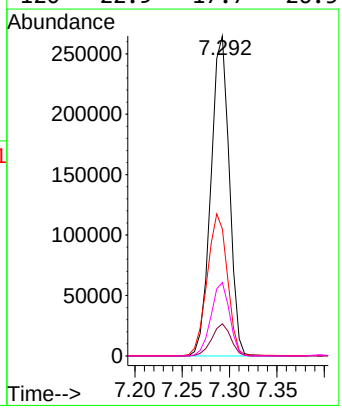
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

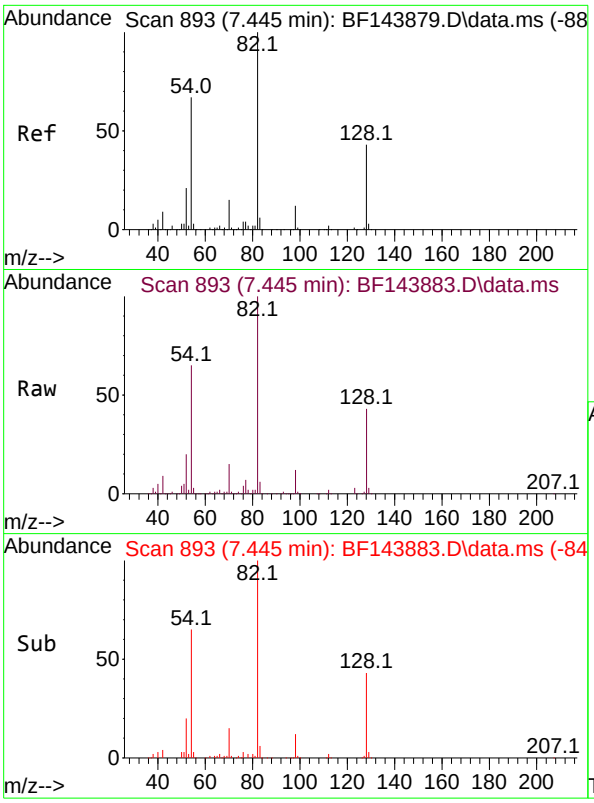


#22
Acetophenone
Concen: 37.713 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:105 Resp: 358014

Ion	Ratio	Lower	Upper
105	100		
71	10.0	7.4	11.0
51	39.7	34.2	51.4
120	22.9	17.7	26.5

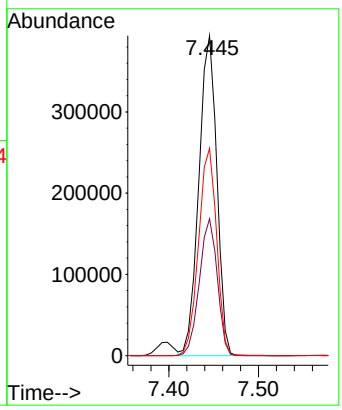




#23
Nitrobenzene-d5
Concen: 74.330 ng
RT: 7.445 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 82 Resp: 549291

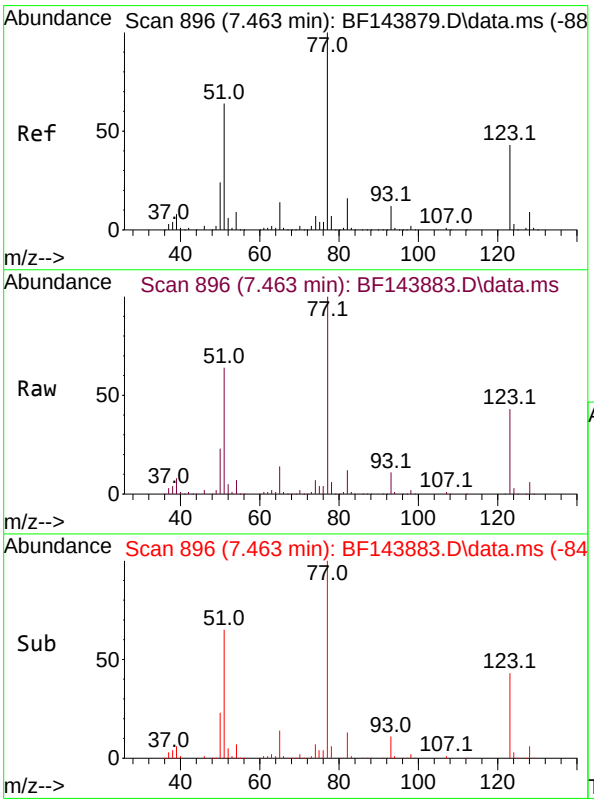
Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.0	51.0
54	64.8	53.2	79.8



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

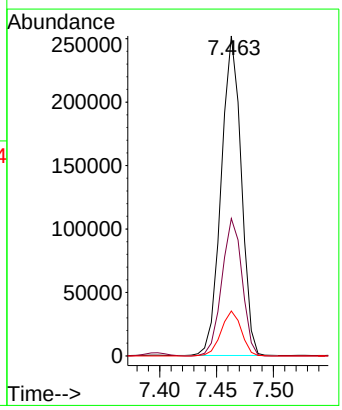
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

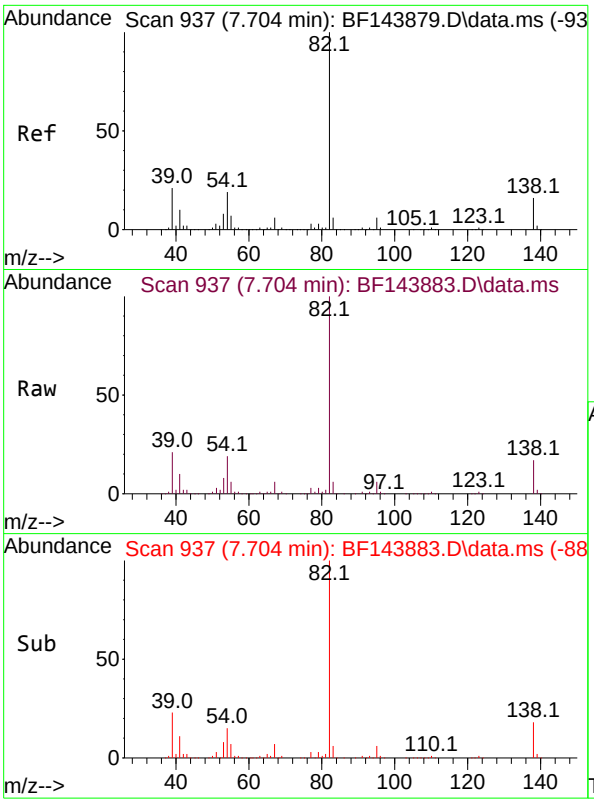


#24
Nitrobenzene
Concen: 37.727 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 77 Resp: 309611

Ion	Ratio	Lower	Upper
77	100		
123	42.9	34.2	51.4
65	14.0	11.0	16.6

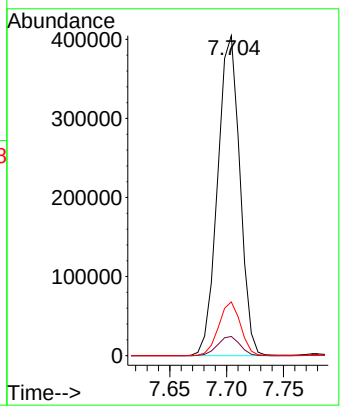




#25
Isophorone
Concen: 35.347 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 82 Resp: 55077

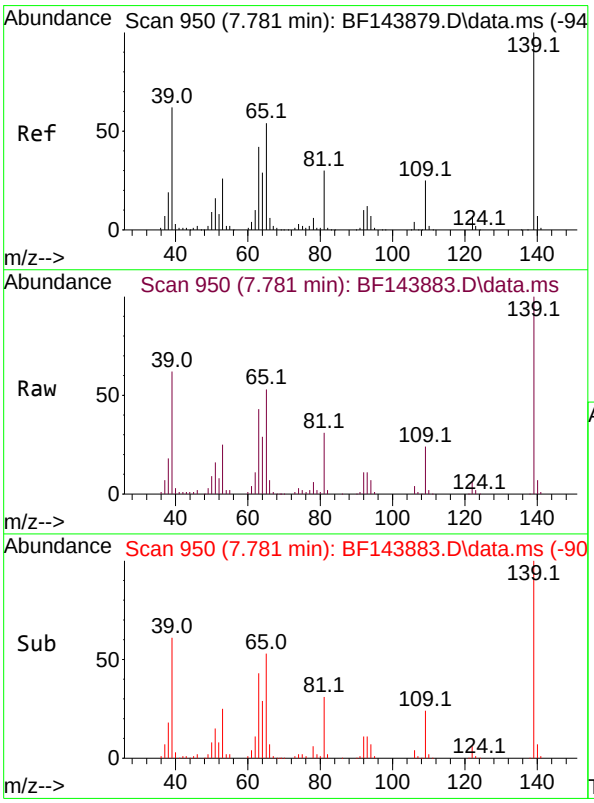
Ion	Ratio	Lower	Upper
82	100		
95	6.0	5.1	7.7
138	16.8	12.9	19.3



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

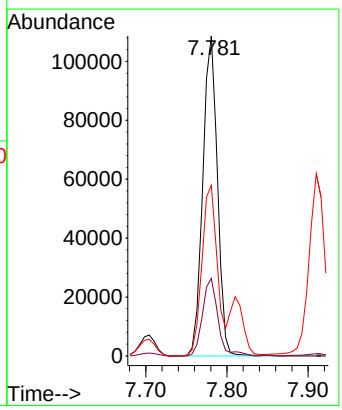
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

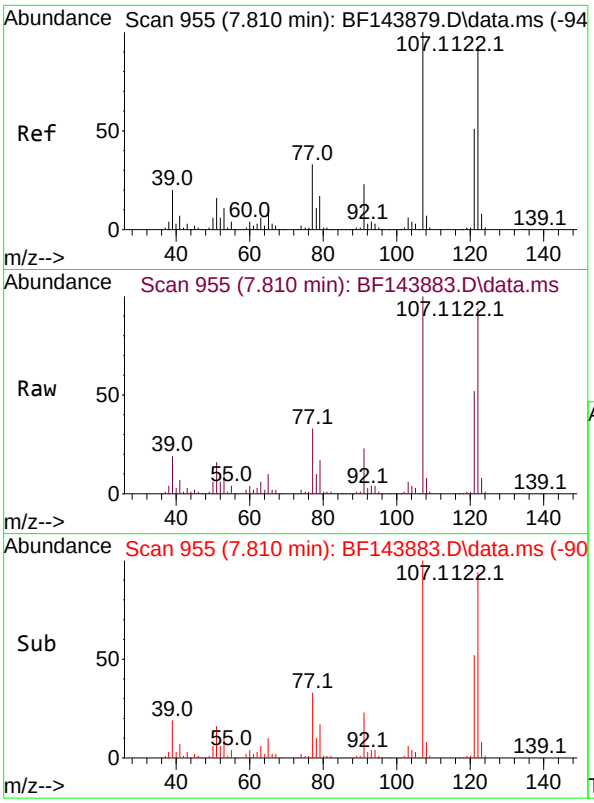


#26
2-Nitrophenol
Concen: 38.717 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:139 Resp: 136223

Ion	Ratio	Lower	Upper
139	100		
109	24.2	19.8	29.6
65	53.3	42.9	64.3

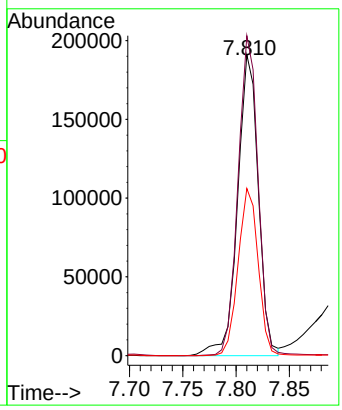




#27
2,4-Dimethylphenol
Concen: 40.847 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:122 Resp: 25852

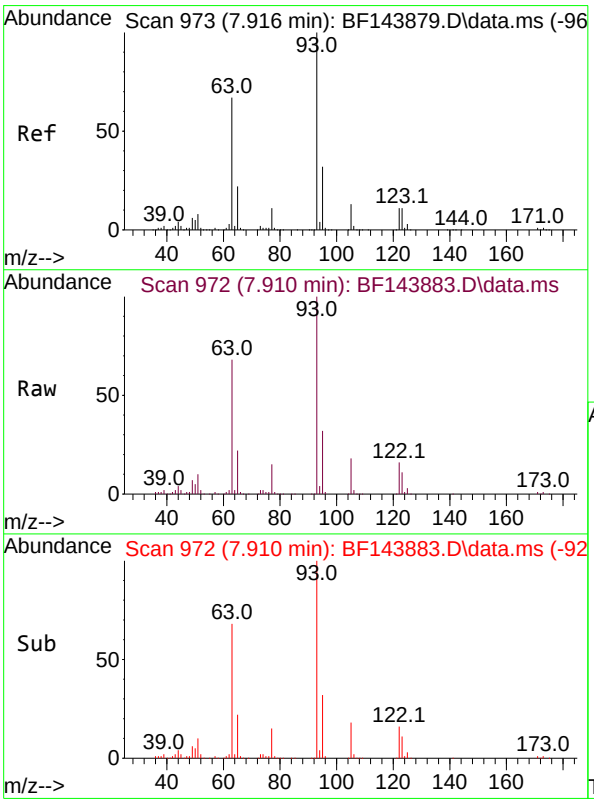
Ion	Ratio	Lower	Upper
122	100		
107	106.3	86.1	129.1
121	55.5	43.8	65.6



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

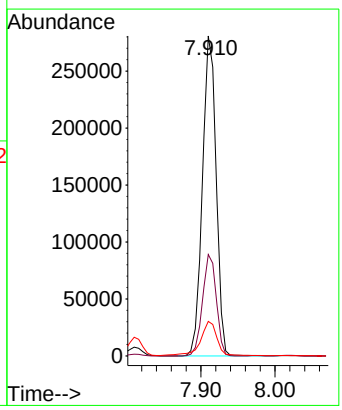
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

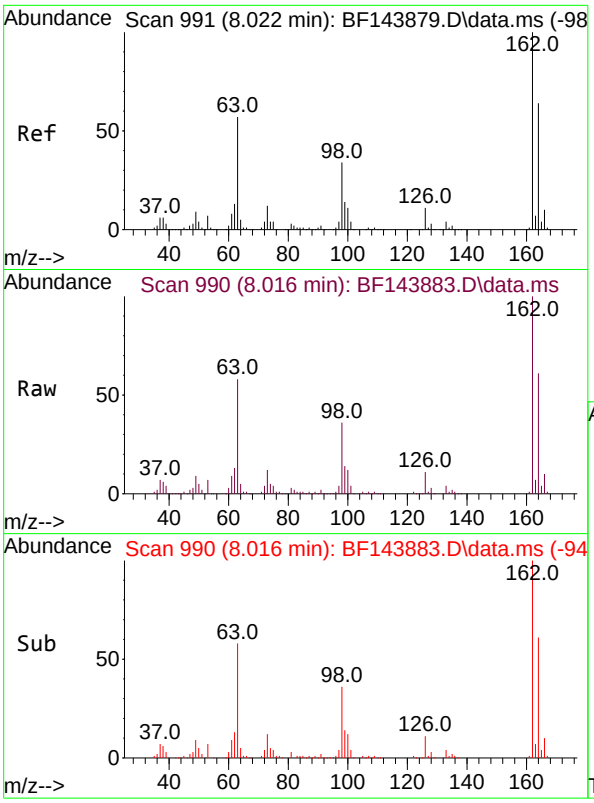


#28
bis(2-Chloroethoxy)methane
Concen: 36.639 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 93 Resp: 360632

Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.9	38.9
123	10.8	9.4	14.0

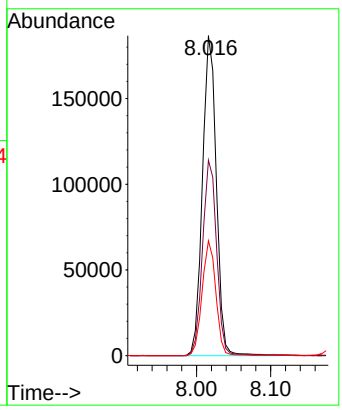




#29
2,4-Dichlorophenol
Concen: 36.899 ng
RT: 8.016 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:162 Resp: 24326

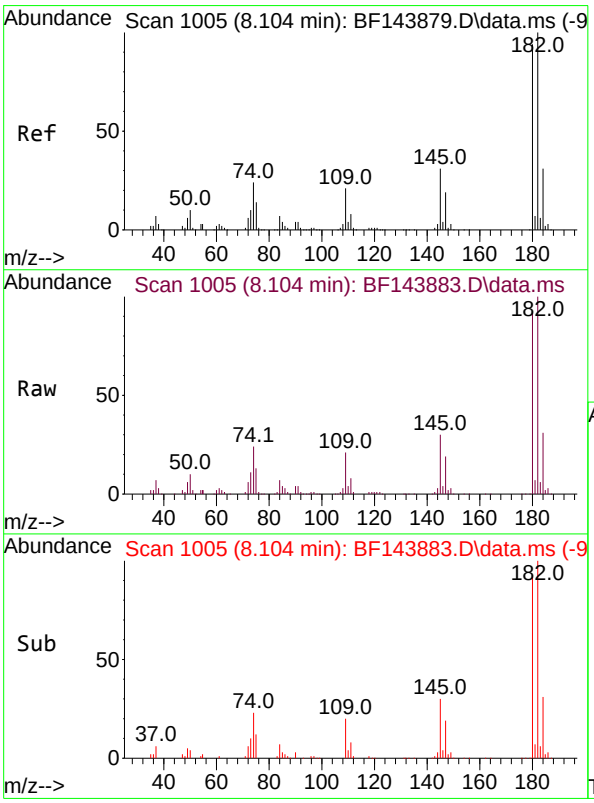
Ion	Ratio	Lower	Upper
162	100		
164	61.1	43.9	83.9
98	35.9	14.4	54.4



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

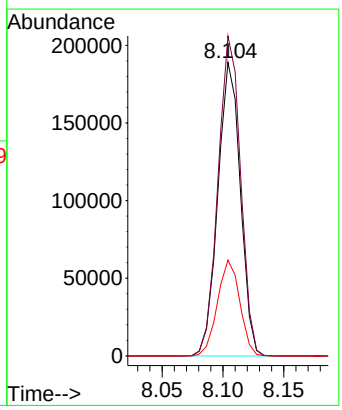
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

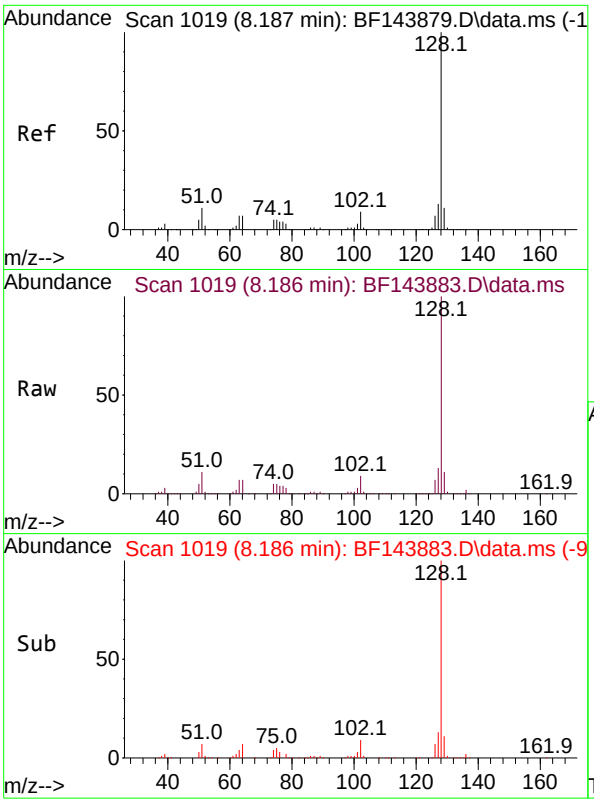


#30
1,2,4-Trichlorobenzene
Concen: 37.503 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:180 Resp: 243161

Ion	Ratio	Lower	Upper
180	100		
182	109.0	85.4	128.0
145	32.7	26.3	39.5

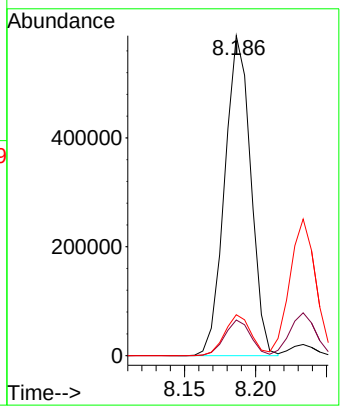




#31
Naphthalene
Concen: 36.679 ng
RT: 8.186 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:128 Resp: 74911

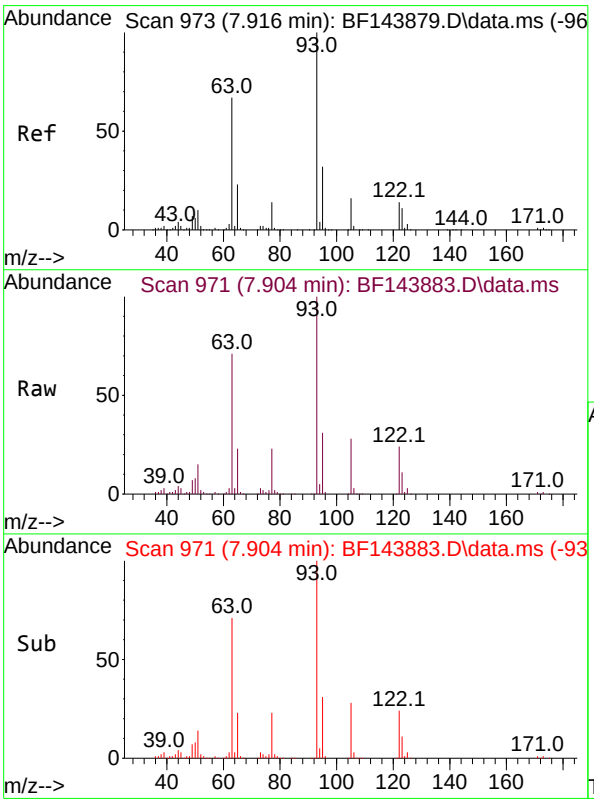
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	12.8	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

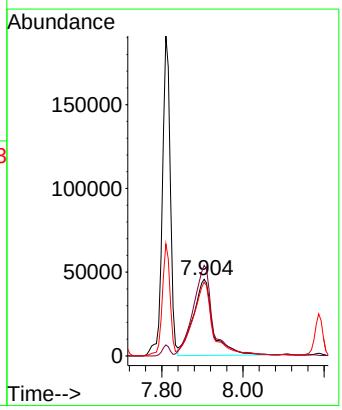
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

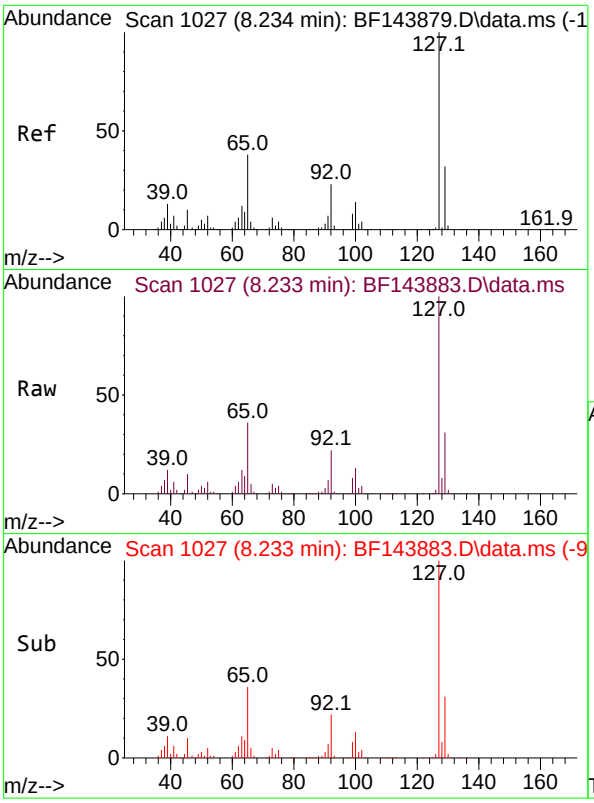


#32
Benzoic acid
Concen: 35.162 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.059 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:122 Resp: 154019

Ion	Ratio	Lower	Upper
122	100		
105	118.0	93.5	133.5
77	96.2	76.3	116.3

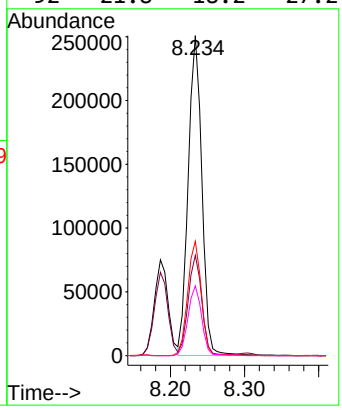




#33
4-Chloroaniline
Concen: 41.950 ng
RT: 8.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:127 Resp: 32132

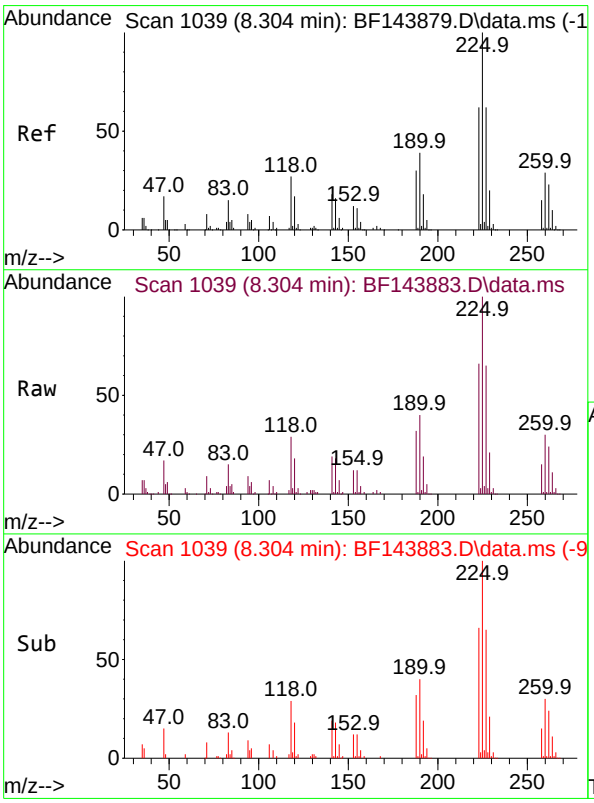
Ion	Ratio	Lower	Upper
127	100		
129	31.3	25.8	38.8
65	35.7	30.0	45.0
92	21.8	18.2	27.2



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

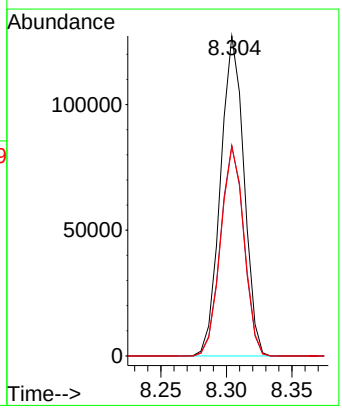
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

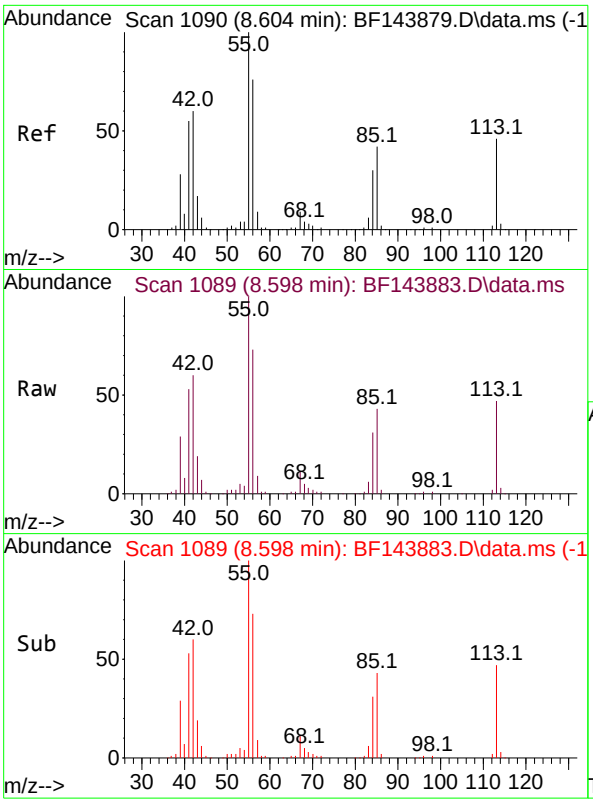


#34
Hexachlorobutadiene
Concen: 35.201 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:225 Resp: 158600

Ion	Ratio	Lower	Upper
225	100		
223	65.7	49.4	74.2
227	65.4	49.7	74.5





#35
Caprolactam
Concen: 37.736 ng
RT: 8.598 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

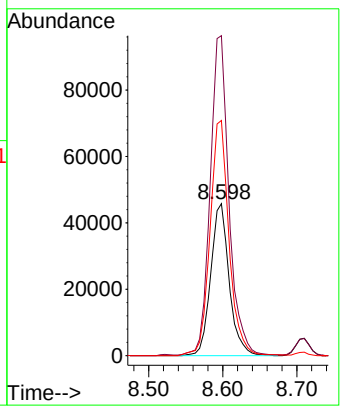
Tgt Ion:113 Resp: 7910

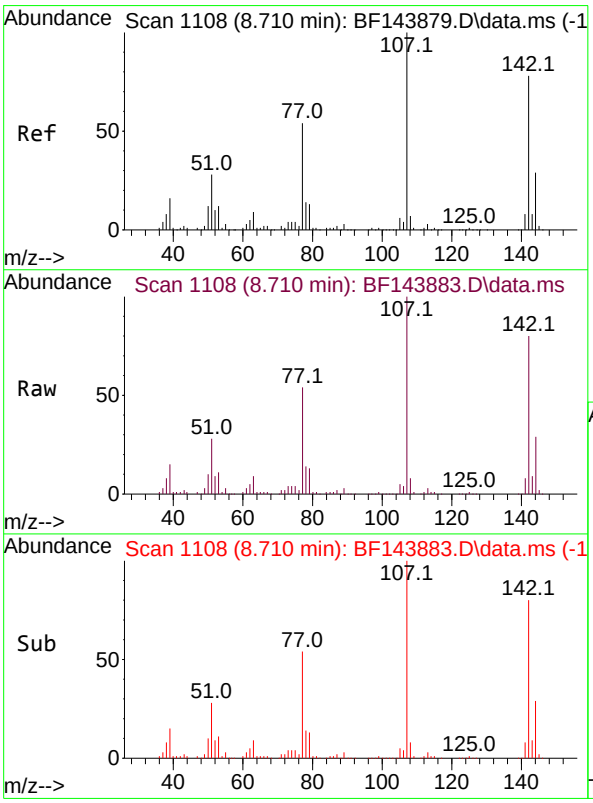
Ion	Ratio	Lower	Upper
113	100		
55	210.6	199.6	239.6
56	154.8	146.0	186.0

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

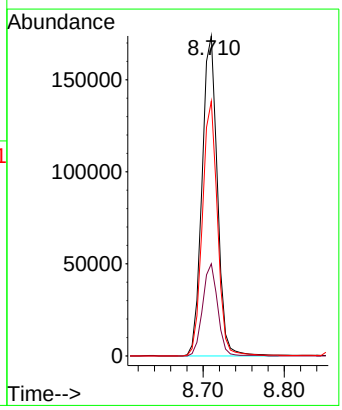


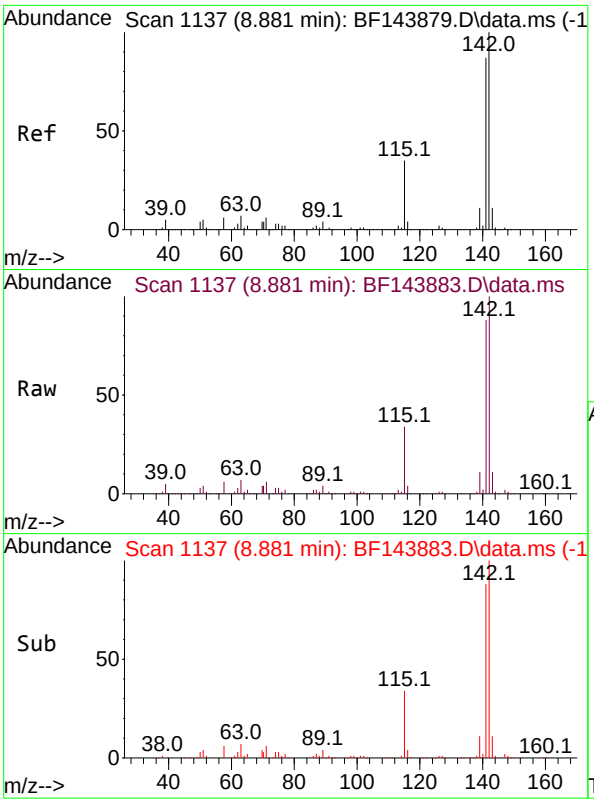


#36
4-Chloro-3-methylphenol
Concen: 36.079 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:107 Resp: 228481

Ion	Ratio	Lower	Upper
107	100		
144	28.8	23.1	34.7
142	79.6	62.6	94.0

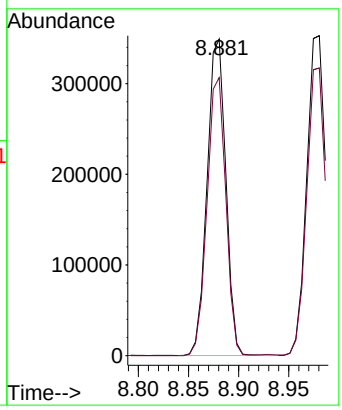




#37
2-Methylnaphthalene
Concen: 33.257 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:142 Resp: 45244

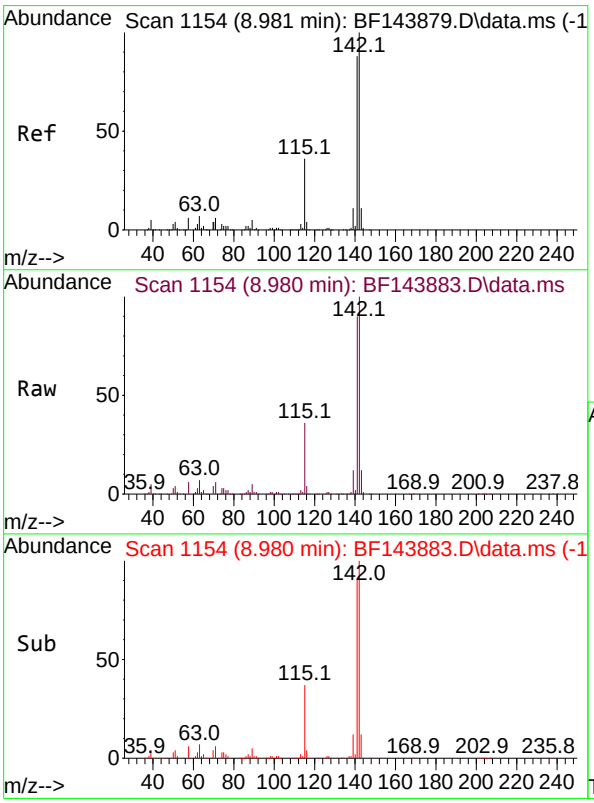
Ion	Ratio	Lower	Upper
142	100		
141	87.8	69.2	103.8



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

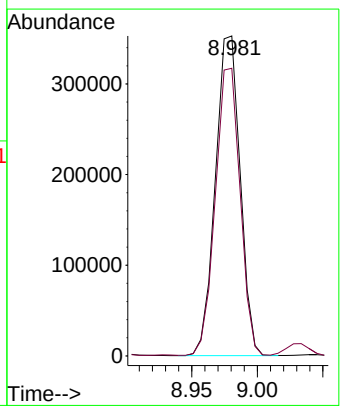
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

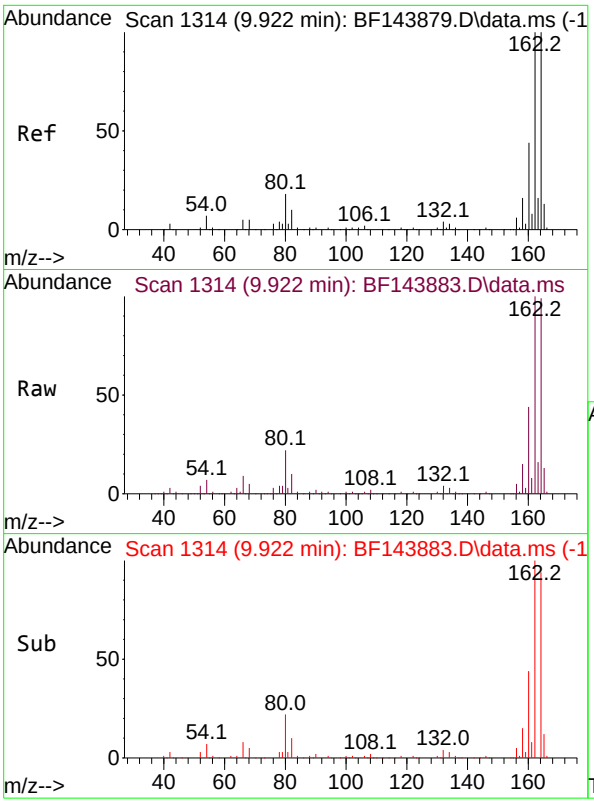


#38
1-Methylnaphthalene
Concen: 35.269 ng
RT: 8.980 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:142 Resp: 465414

Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.8	106.2

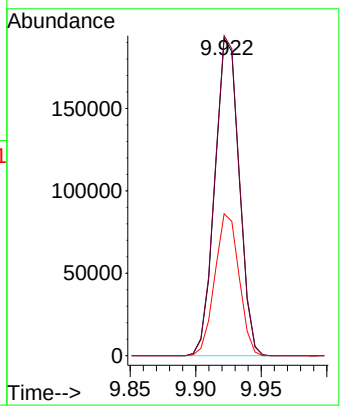




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:164 Resp: 24778

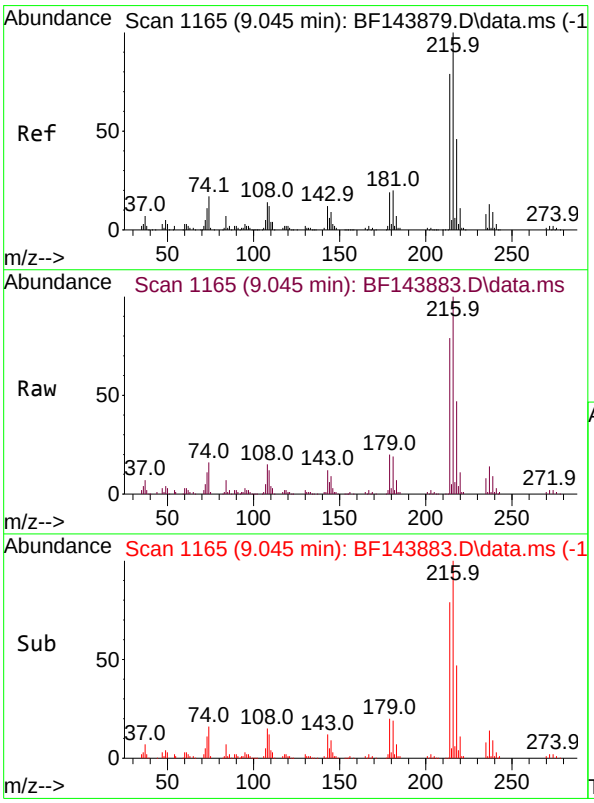
Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.2	120.2
160	44.7	35.4	53.0



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

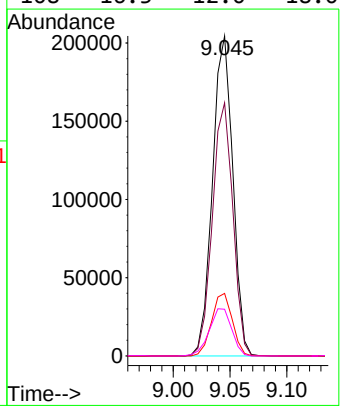
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

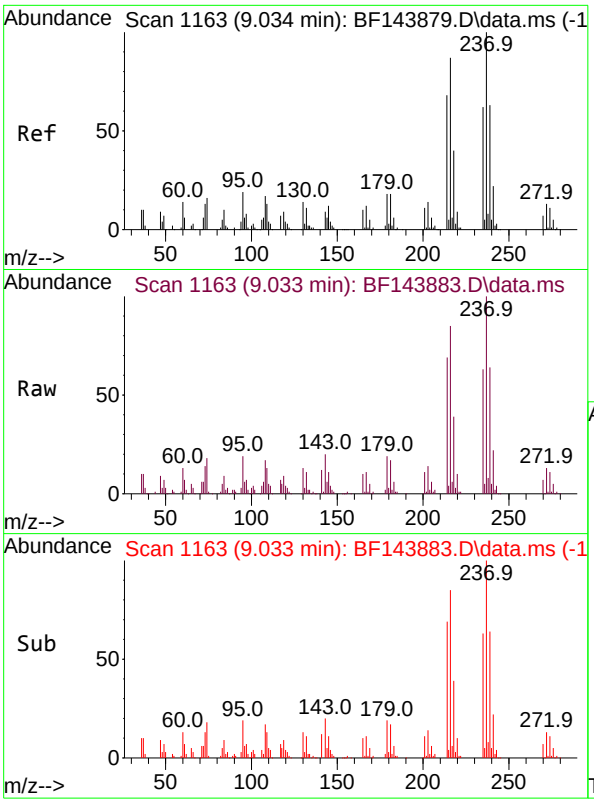


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.122 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:216 Resp: 254223

Ion	Ratio	Lower	Upper
216	100		
214	79.7	62.6	94.0
179	19.9	15.4	23.0
108	16.3	12.0	18.0

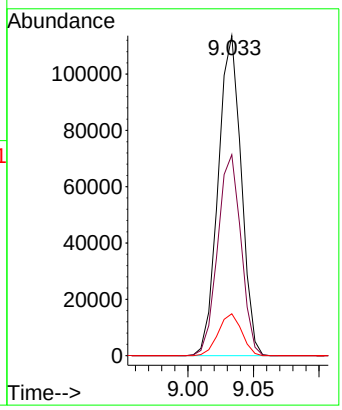




#41
Hexachlorocyclopentadiene
Concen: 48.984 ng
RT: 9.033 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:237 Resp: 13916

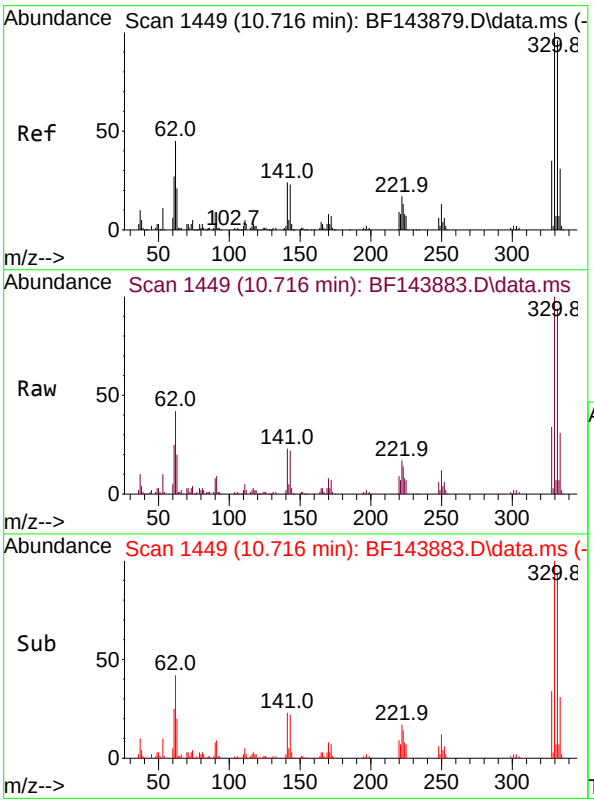
Ion	Ratio	Lower	Upper
237	100		
235	62.8	42.3	82.3
272	13.1	0.0	33.1



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

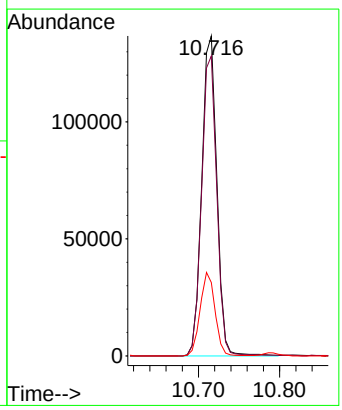
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

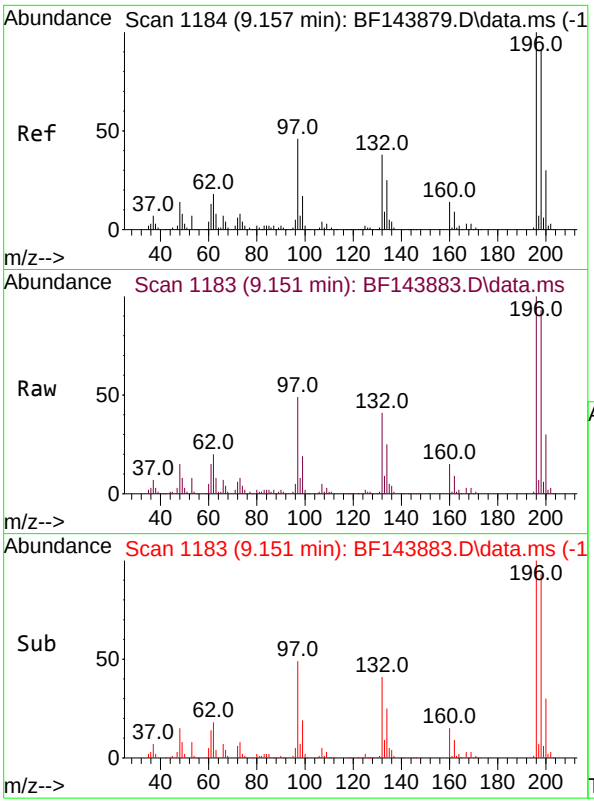


#42
2,4,6-Tribromophenol
Concen: 71.685 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:330 Resp: 176914

Ion	Ratio	Lower	Upper
330	100		
332	94.3	76.9	115.3
141	25.8	20.2	30.4

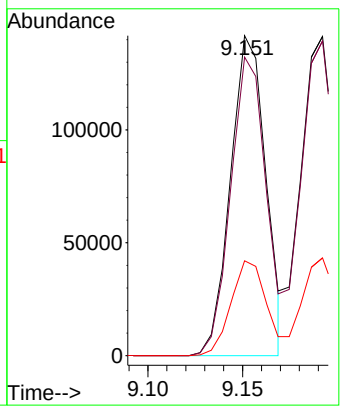




#43
2,4,6-Trichlorophenol
Concen: 36.726 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:196 Resp: 183769

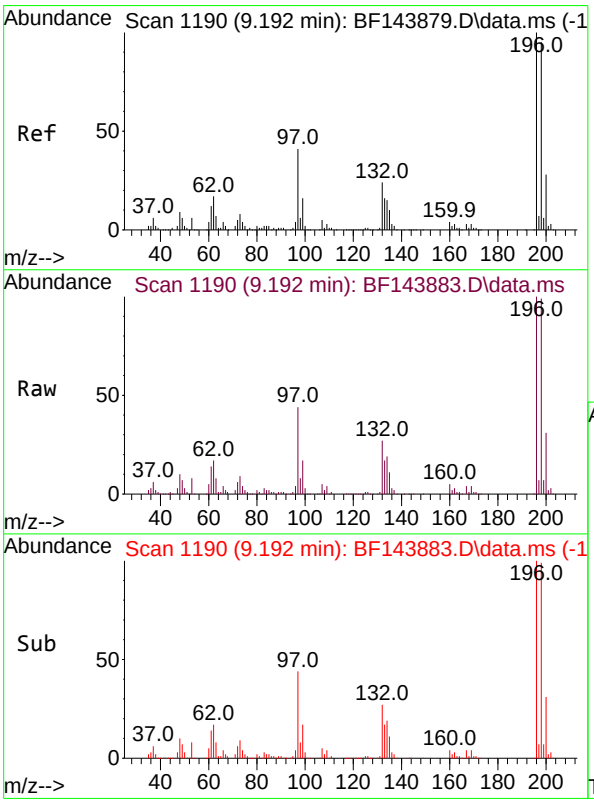
Ion	Ratio	Lower	Upper
196	100		
198	93.3	72.8	109.2
200	29.6	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

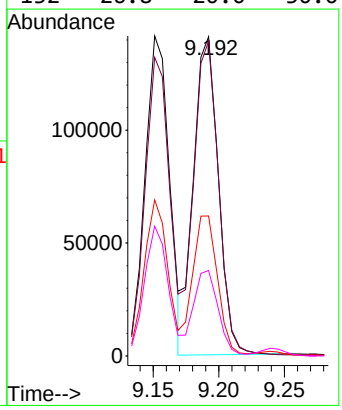
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

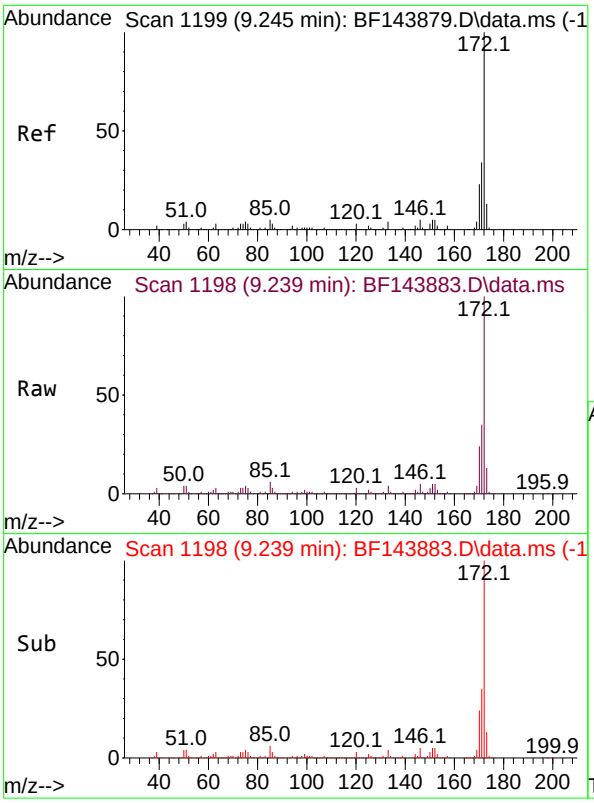


#44
2,4,5-Trichlorophenol
Concen: 35.194 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:196 Resp: 186099

Ion	Ratio	Lower	Upper
196	100		
198	98.6	75.5	113.3
97	43.8	33.9	50.9
132	26.8	20.0	30.0

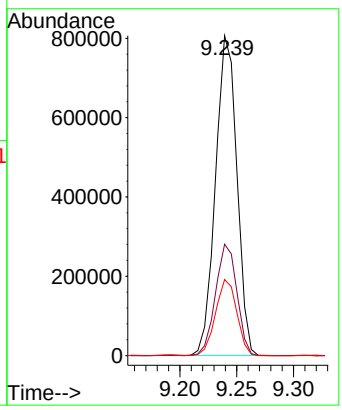




#45
2-Fluorobiphenyl
Concen: 67.621 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:172 Resp: 105594

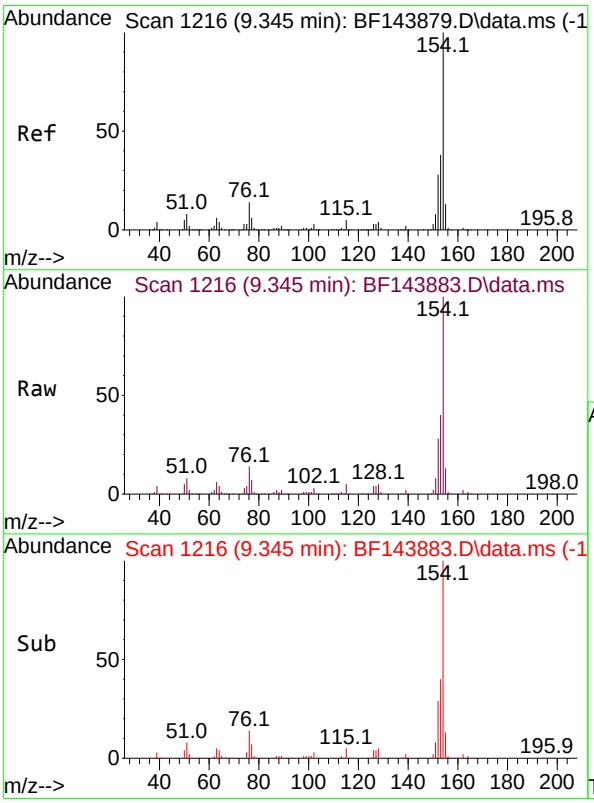
Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.4	41.0
170	23.8	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

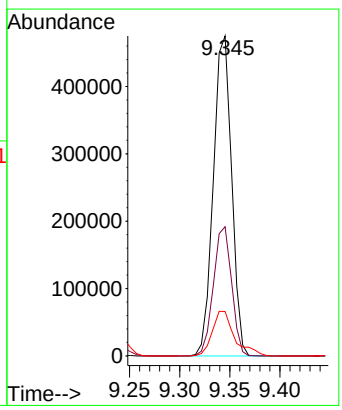
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

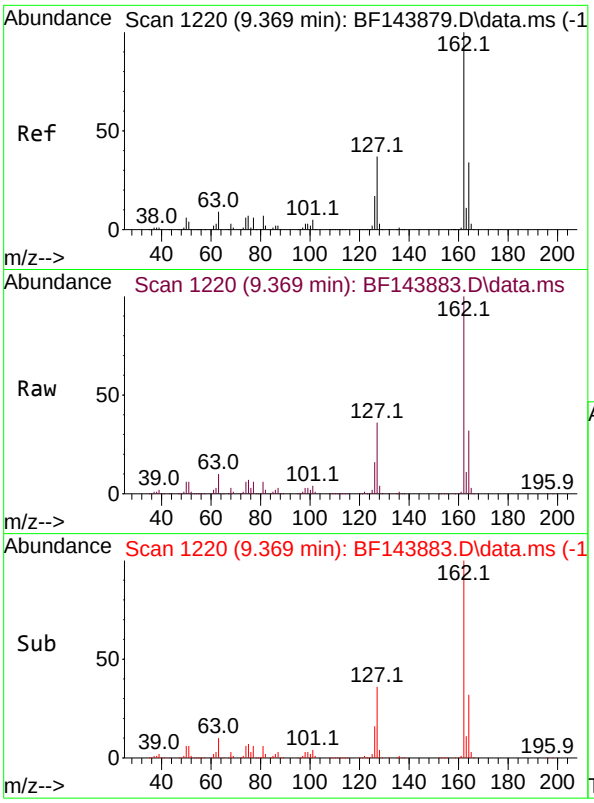


#46
1,1'-Biphenyl
Concen: 36.770 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:154 Resp: 603213

Ion	Ratio	Lower	Upper
154	100		
153	40.4	18.4	58.4
76	13.9	0.0	34.0

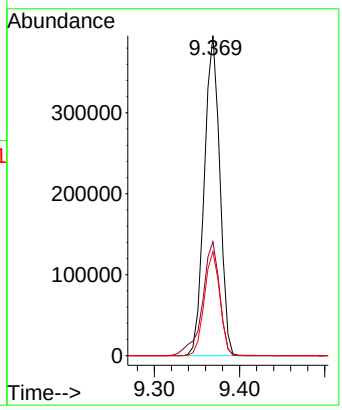




#47
2-Chloronaphthalene
Concen: 36.454 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:162 Resp: 49861

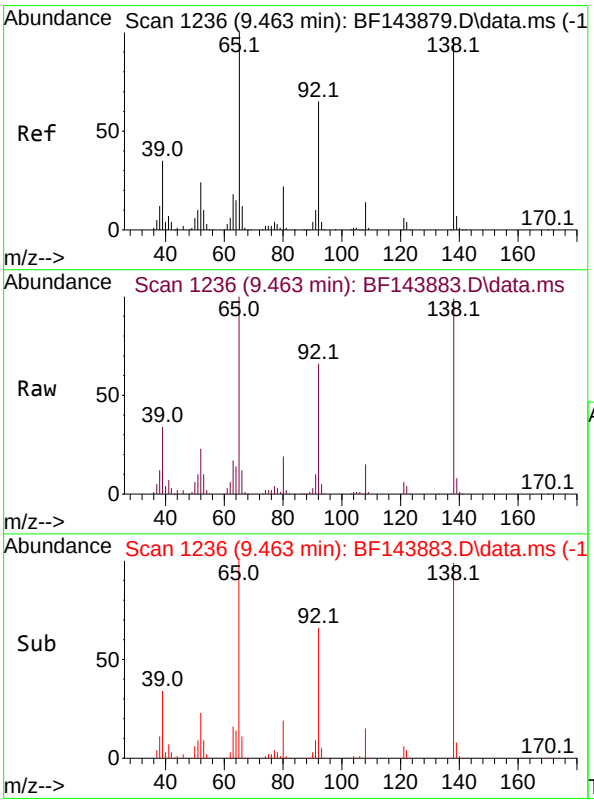
Ion	Ratio	Lower	Upper
162	100		
127	35.6	30.2	45.2
164	32.5	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

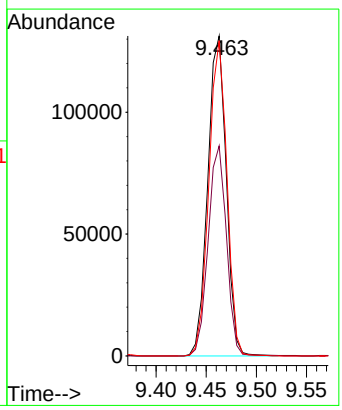
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

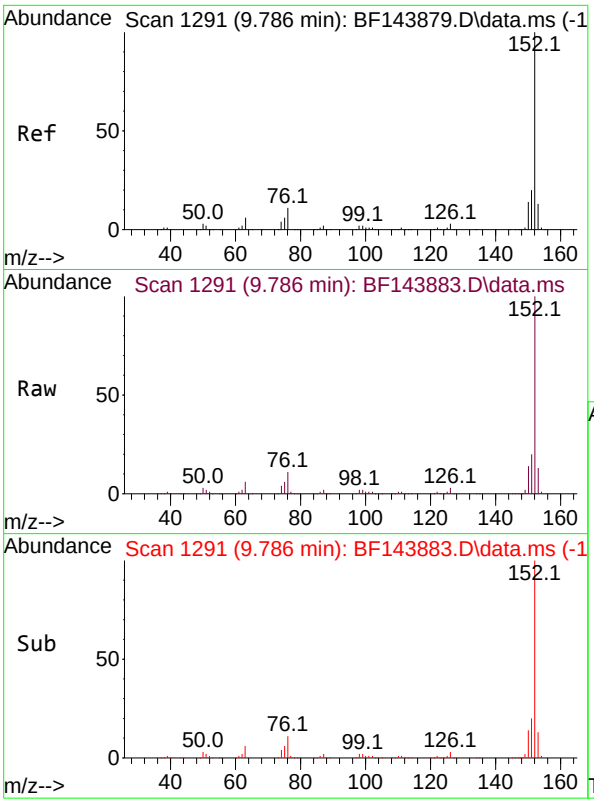


#48
2-Nitroaniline
Concen: 38.894 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 65 Resp: 168191

Ion	Ratio	Lower	Upper
65	100		
92	65.6	52.1	78.1
138	98.5	77.4	116.2

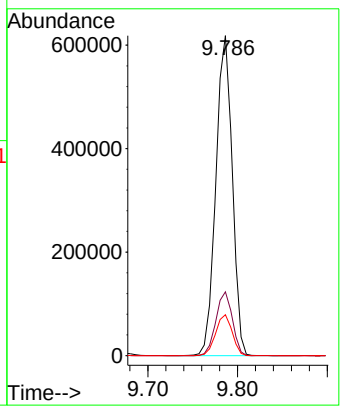




#49
Acenaphthylene
Concen: 40.859 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:152 Resp: 78569

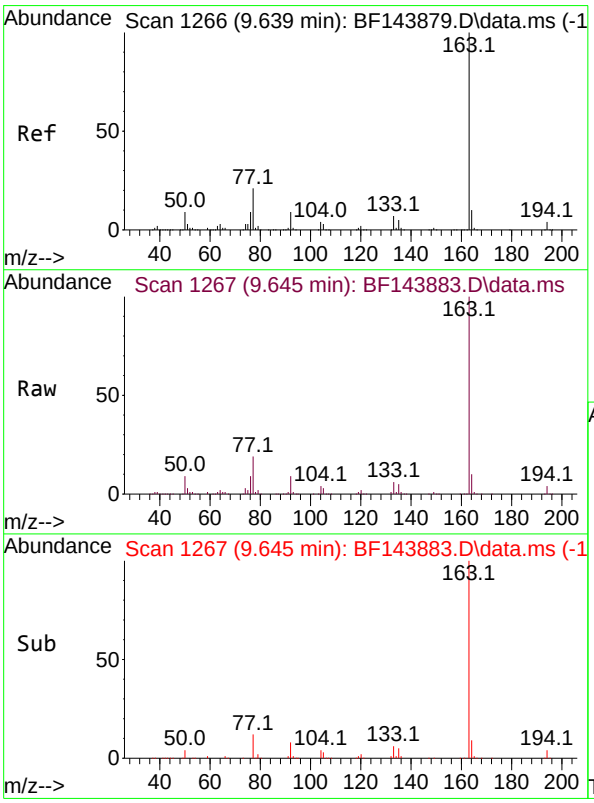
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	12.8	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

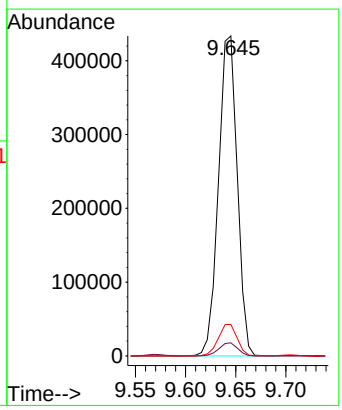
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

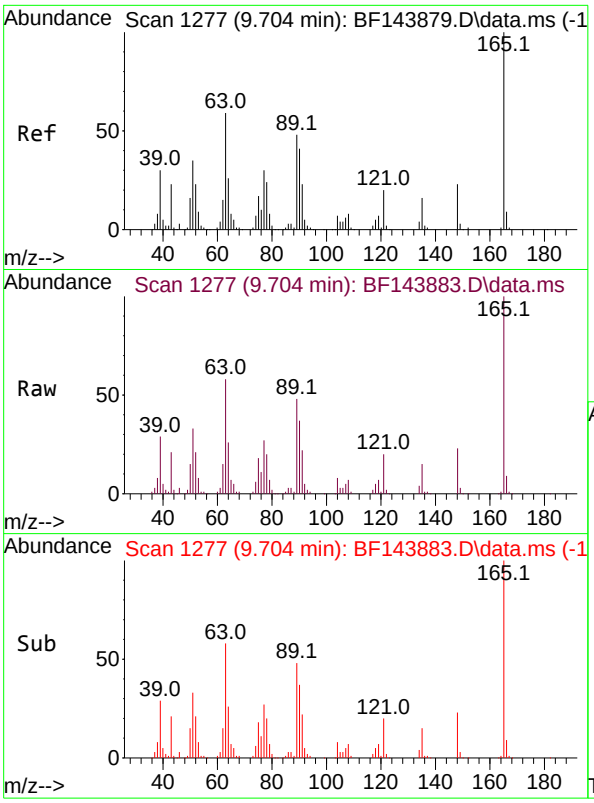


#50
Dimethylphthalate
Concen: 35.968 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:163 Resp: 565953

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.8	8.1	12.1

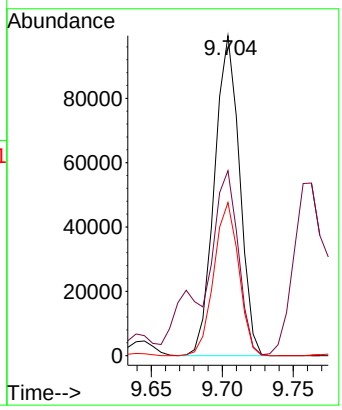




#51
2,6-Dinitrotoluene
Concen: 41.967 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:165 Resp: 12244

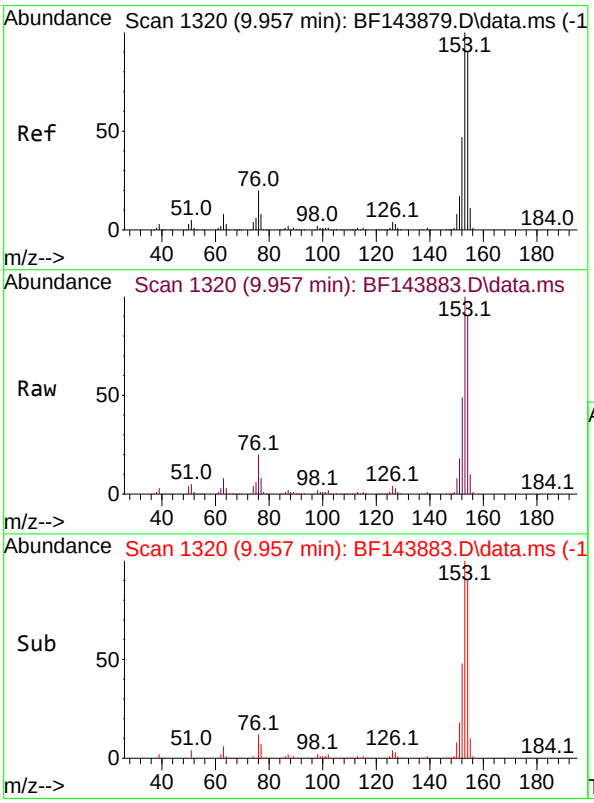
Ion	Ratio	Lower	Upper
165	100		
63	57.8	47.3	70.9
89	47.8	38.2	57.4



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

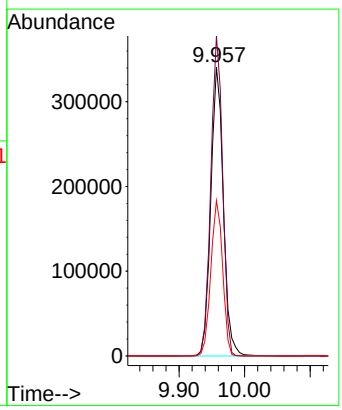
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

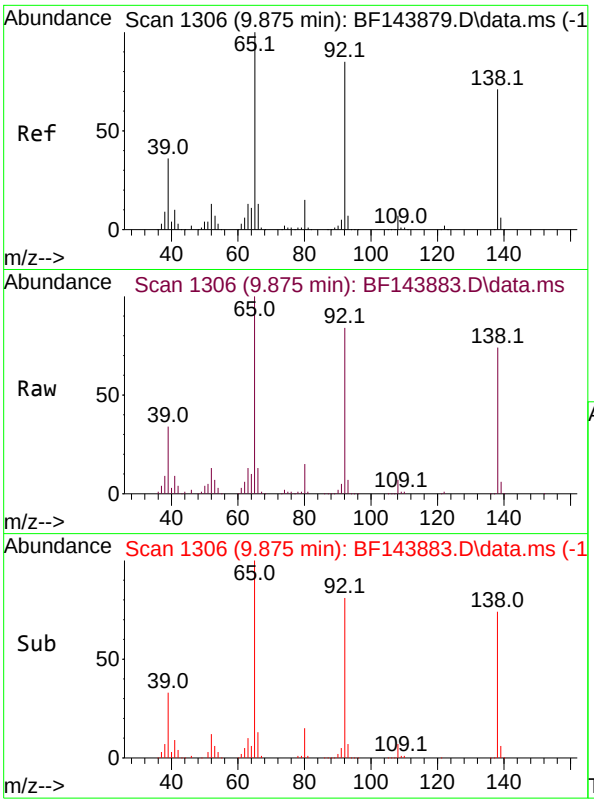


#52
Acenaphthene
Concen: 35.913 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:154 Resp: 452513

Ion	Ratio	Lower	Upper
154	100		
153	110.8	89.3	133.9
152	53.8	42.2	63.2





#53
3-Nitroaniline
Concen: 40.493 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

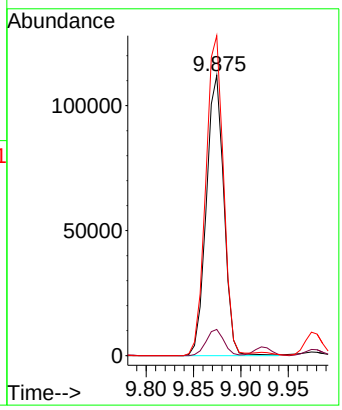
Tgt Ion:138 Resp: 14466

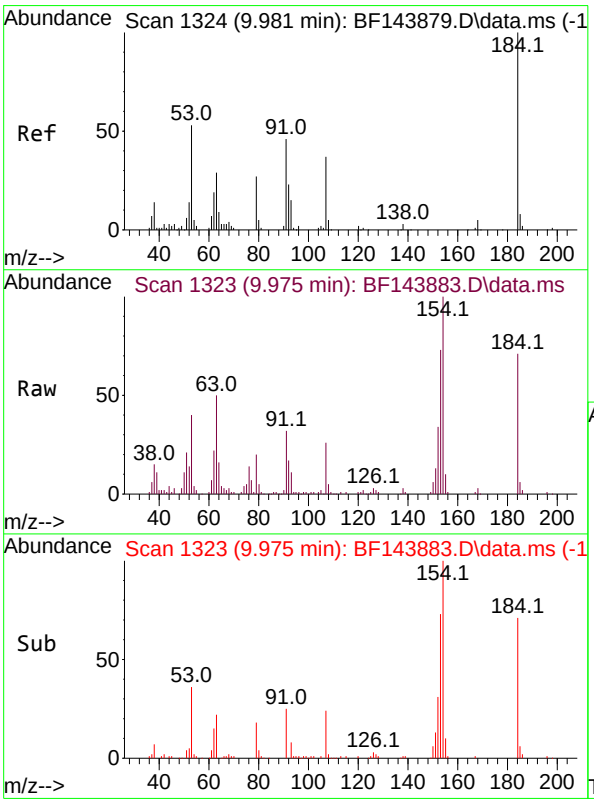
Ion	Ratio	Lower	Upper
138	100		
108	9.3	8.3	12.5
92	114.2	96.2	144.2

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

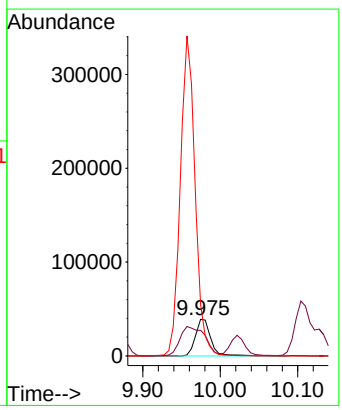


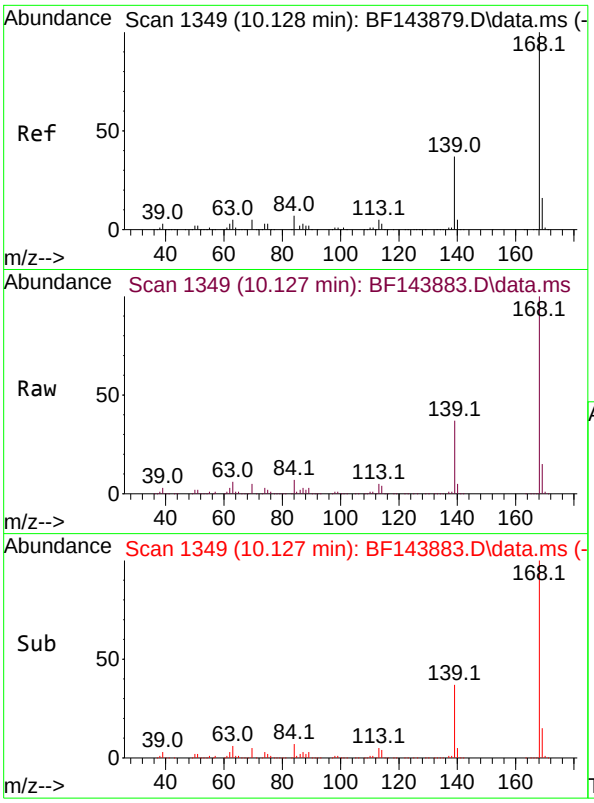


#54
2,4-Dinitrophenol
Concen: 33.731 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.011 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:184 Resp: 52796

Ion	Ratio	Lower	Upper
184	100		
63	70.0	48.2	72.4
154	140.2	49.2	73.8#

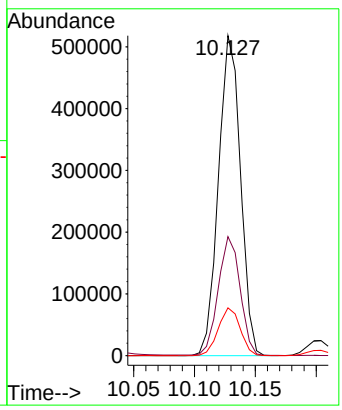




#55
Dibenzofuran
Concen: 36.717 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:168 Resp: 65307

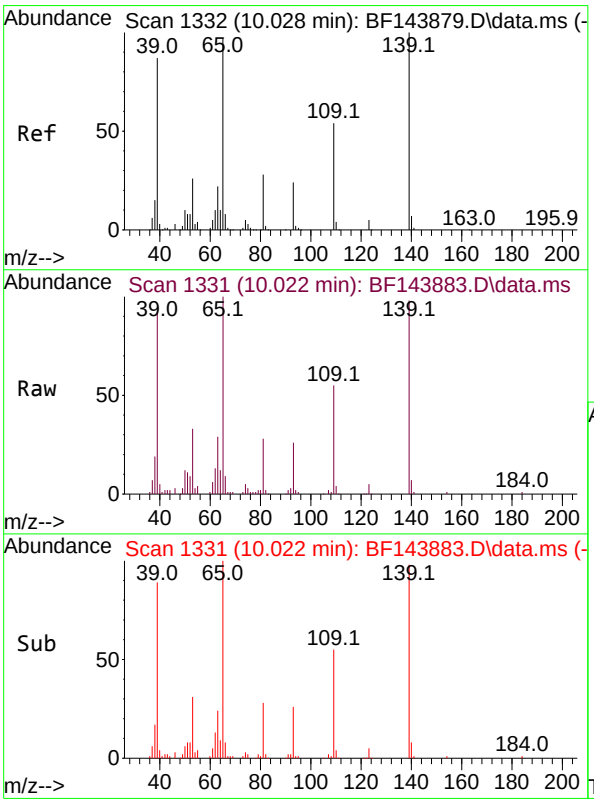
Ion	Ratio	Lower	Upper
168	100		
139	37.2	29.8	44.8
169	15.0	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

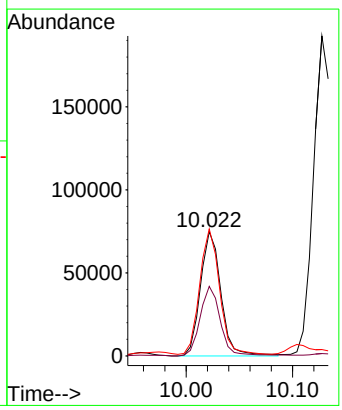
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

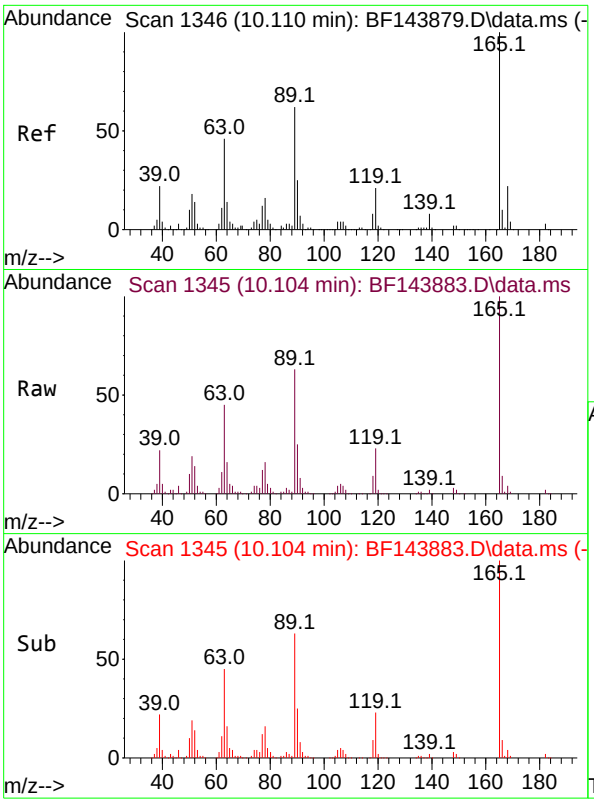


#56
4-Nitrophenol
Concen: 36.850 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.017 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:139 Resp: 99684

Ion	Ratio	Lower	Upper
139	100		
109	56.0	34.5	74.5
65	102.2	77.6	117.6

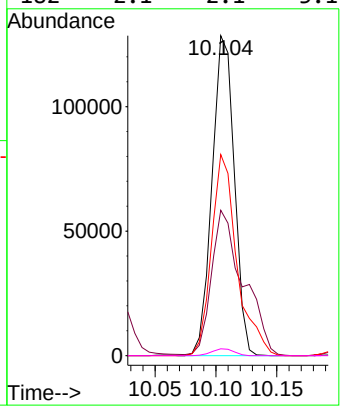




#57
2,4-Dinitrotoluene
Concen: 41.169 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:165 Resp: 16344

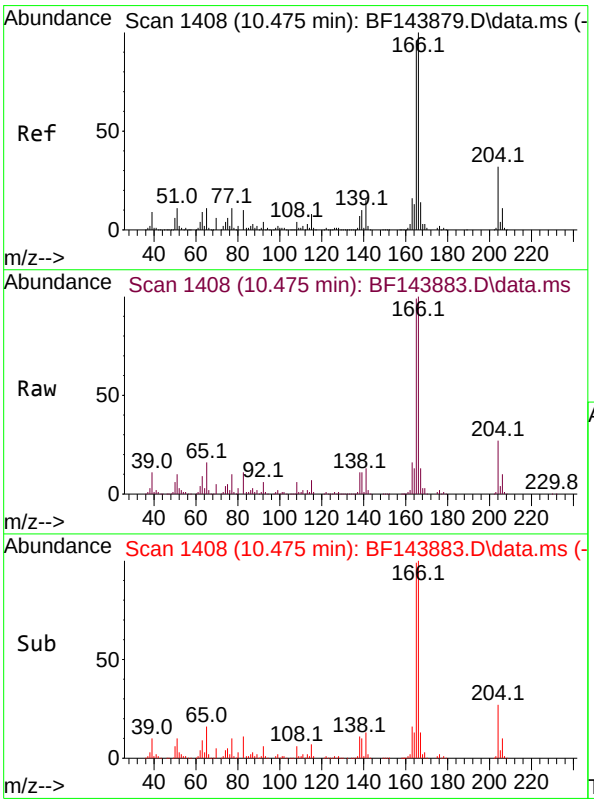
Ion	Ratio	Lower	Upper
165	100		
63	45.4	37.2	55.8
89	62.8	49.4	74.2
182	2.1	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

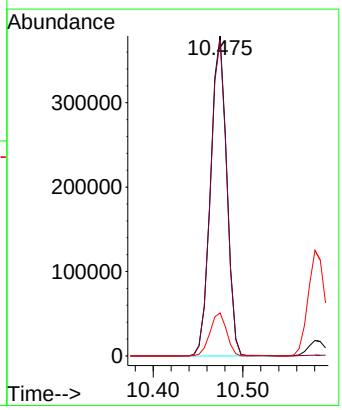
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

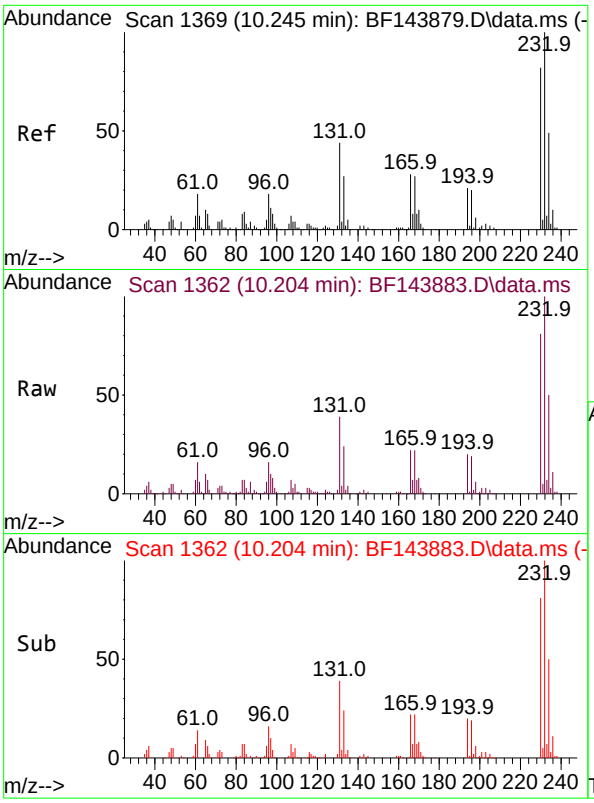


#58
Fluorene
Concen: 35.527 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:166 Resp: 476811

Ion	Ratio	Lower	Upper
166	100		
165	98.7	77.0	115.6
167	13.4	11.1	16.7

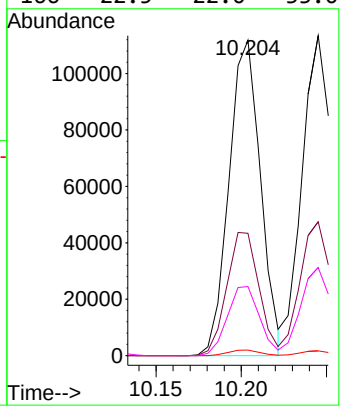




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.488 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:232 Resp: 144064

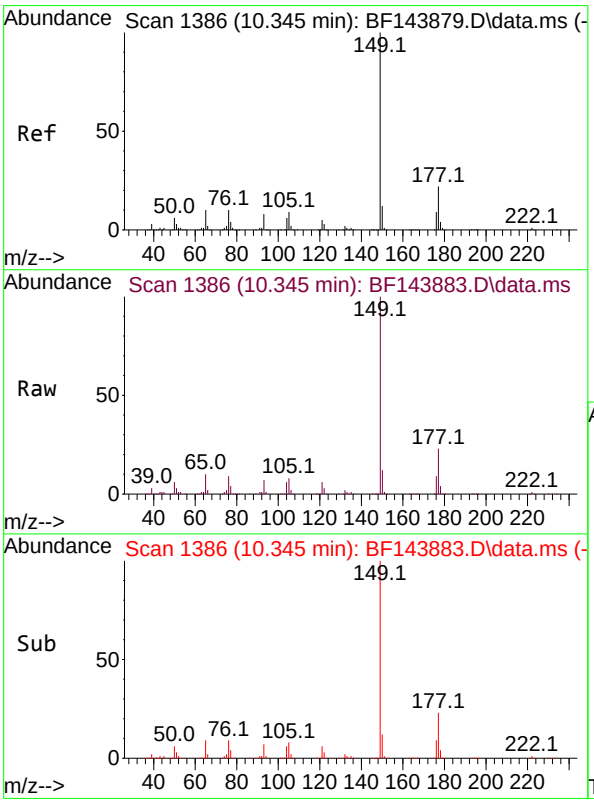
Ion	Ratio	Lower	Upper
232	100		
131	40.0	34.9	52.3
130	1.8	1.6	2.4
166	22.5	22.0	33.0



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

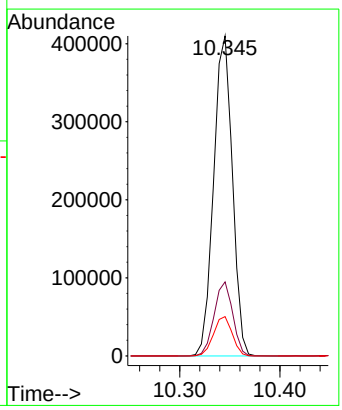
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

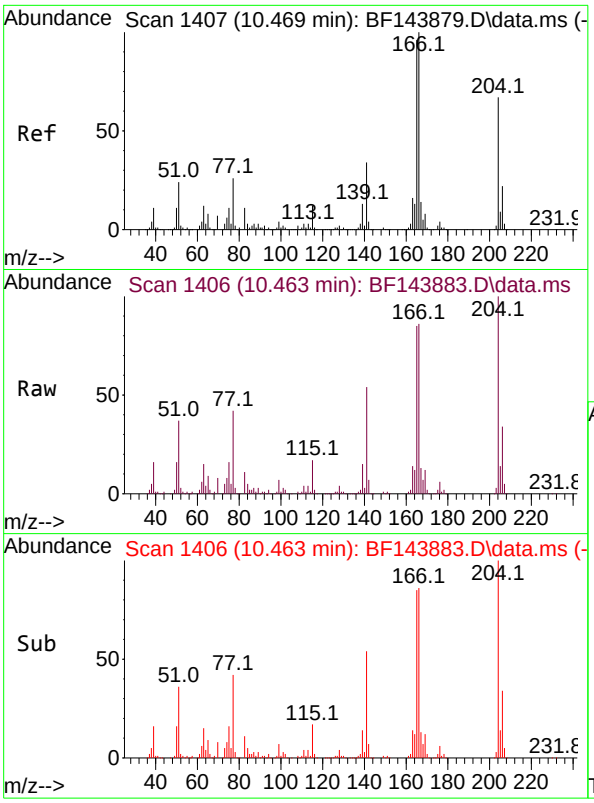


#60
Diethylphthalate
Concen: 36.501 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:149 Resp: 533574

Ion	Ratio	Lower	Upper
149	100		
177	23.1	17.9	26.9
150	12.3	9.8	14.8

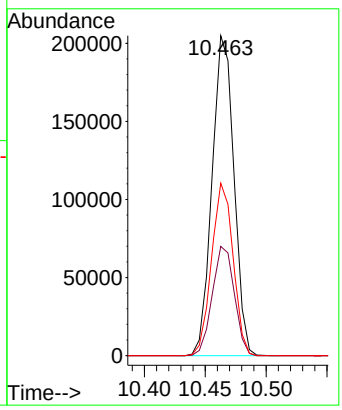




#61
4-Chlorophenyl-phenylether
Concen: 36.113 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:204 Resp: 25624

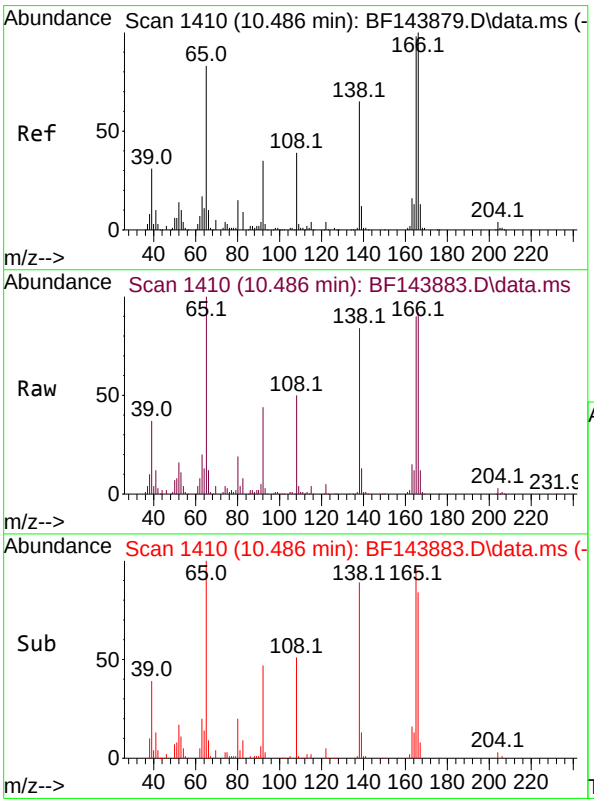
Ion	Ratio	Lower	Upper
204	100		
206	34.1	26.6	40.0
141	53.9	40.4	60.6



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

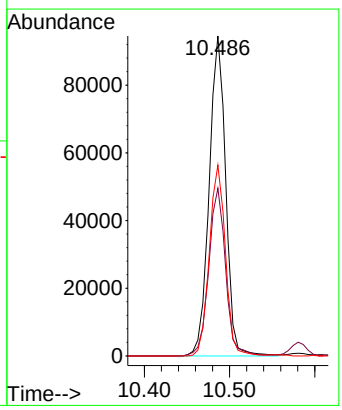
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

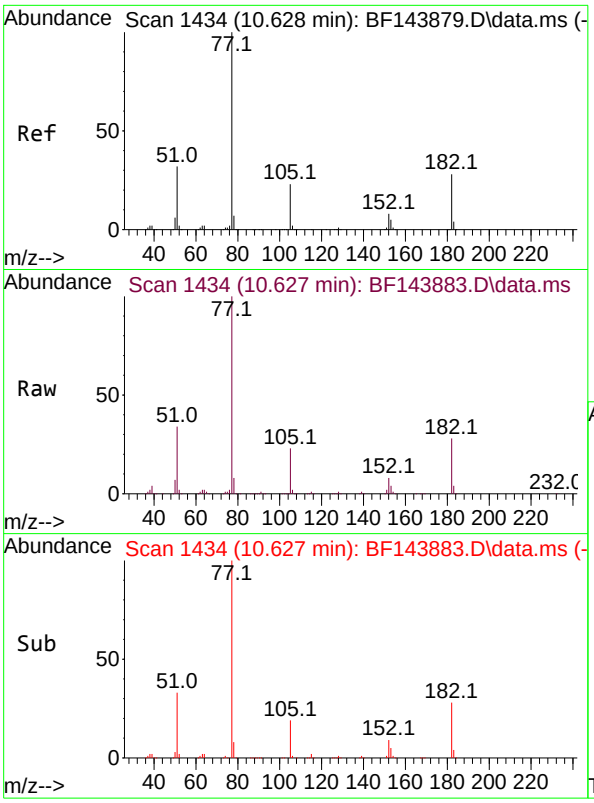


#62
4-Nitroaniline
Concen: 37.074 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.023 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:138 Resp: 127369

Ion	Ratio	Lower	Upper
138	100		
92	52.4	33.9	73.9
108	59.6	40.2	80.2

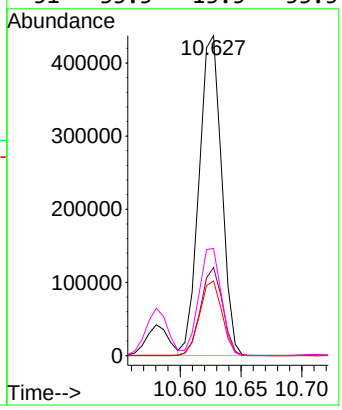




#63
Azobenzene
Concen: 36.837 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 77 Resp: 56278

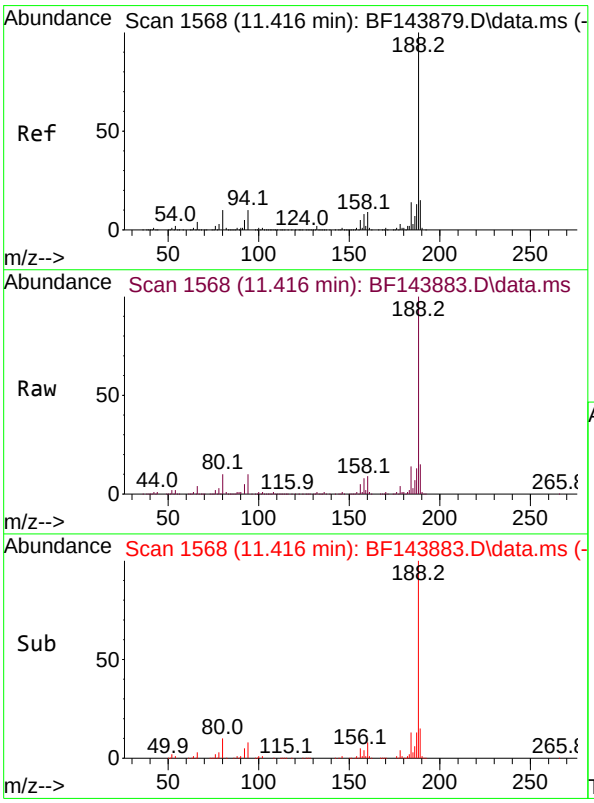
Ion	Ratio	Lower	Upper
77	100		
182	27.5	7.3	47.3
105	23.3	3.0	43.0
51	33.5	13.5	53.5



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

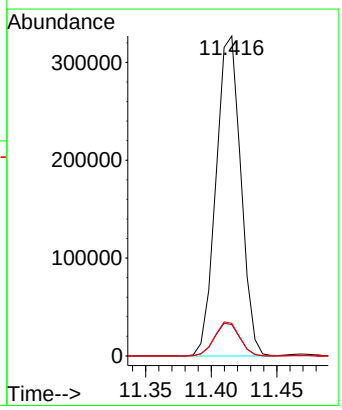
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

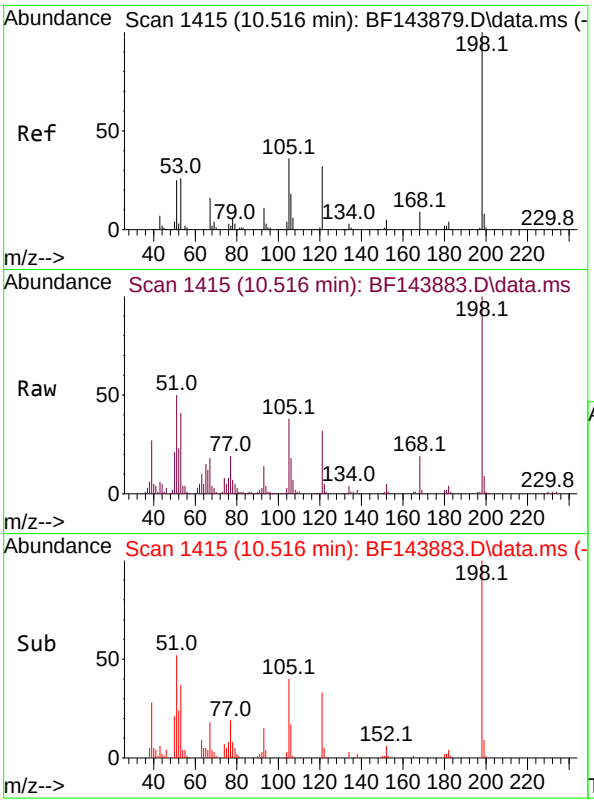


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:188 Resp: 431562

Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.8	11.6
80	10.2	7.9	11.9

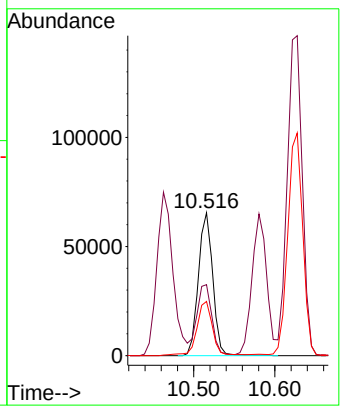




#65
4,6-Dinitro-2-methylphenol
Concen: 37.083 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:198 Resp: 8042

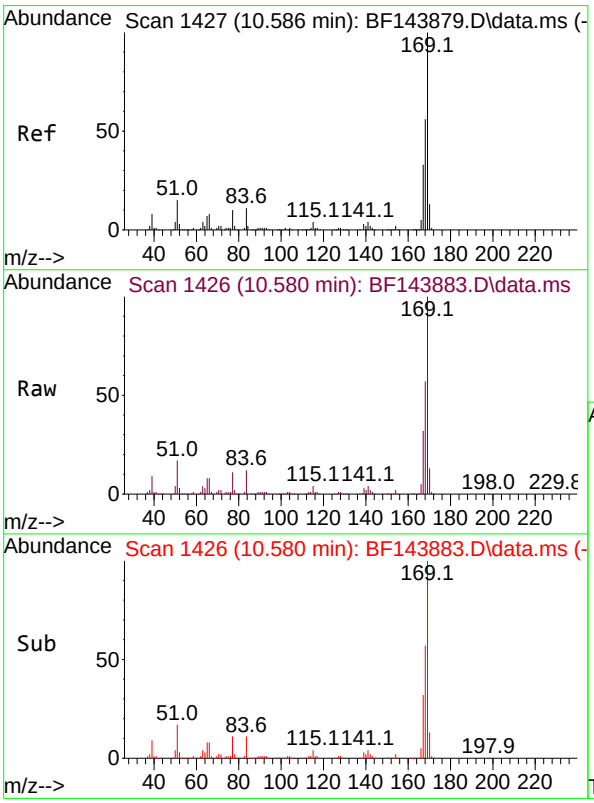
Ion	Ratio	Lower	Upper
198	100		
51	49.7	33.8	73.8
105	37.9	17.0	57.0



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

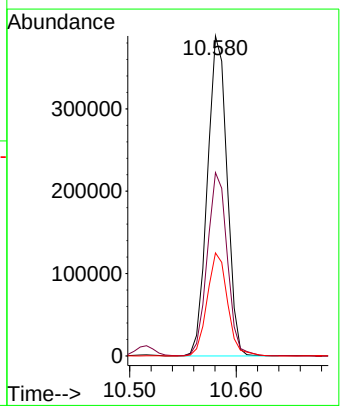
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

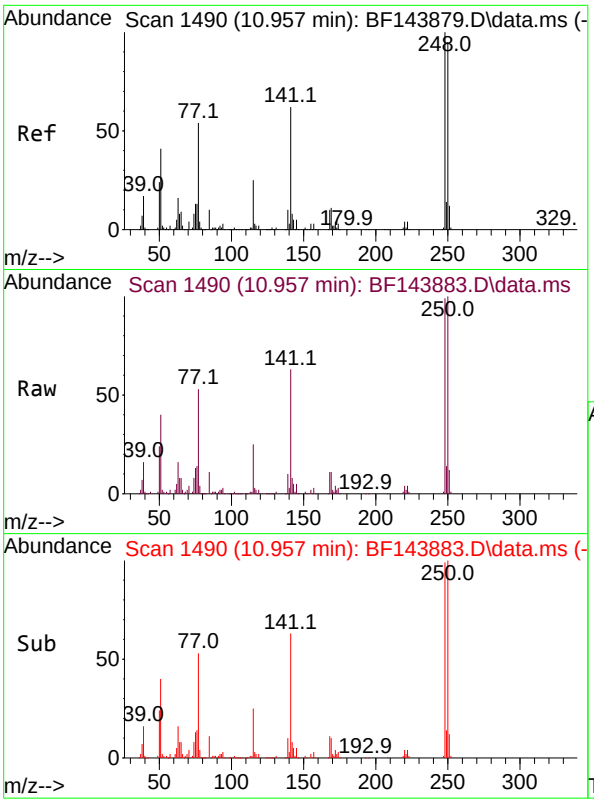


#66
n-Nitrosodiphenylamine
Concen: 36.649 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:169 Resp: 496618

Ion	Ratio	Lower	Upper
169	100		
168	57.3	44.9	67.3
167	32.2	26.3	39.5

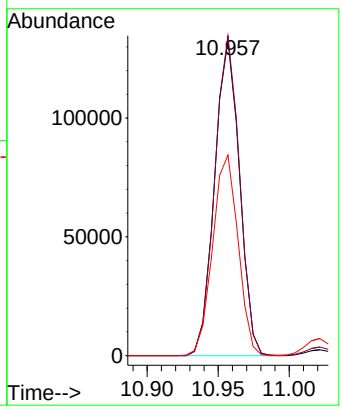




#67
4-Bromophenyl-phenylether
Concen: 33.973 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:248 Resp: 16203

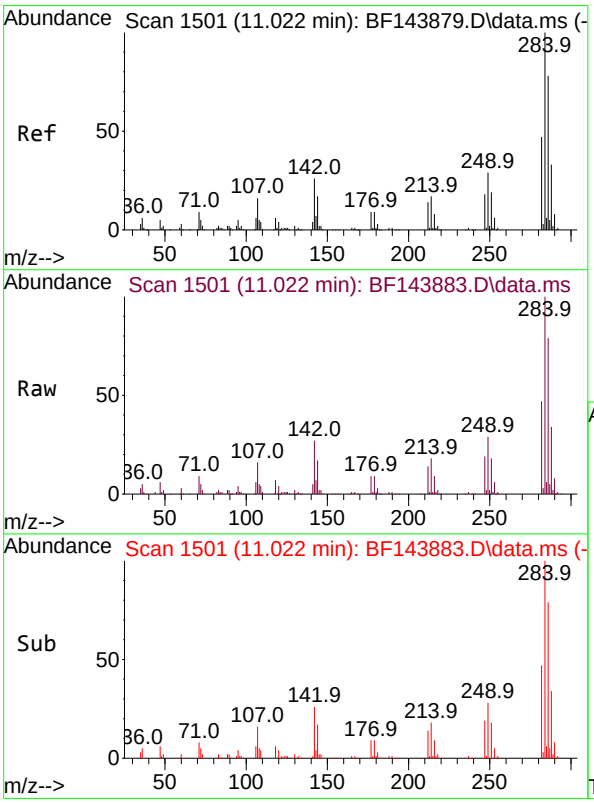
Ion	Ratio	Lower	Upper
248	100		
250	101.4	76.3	114.5
141	63.6	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

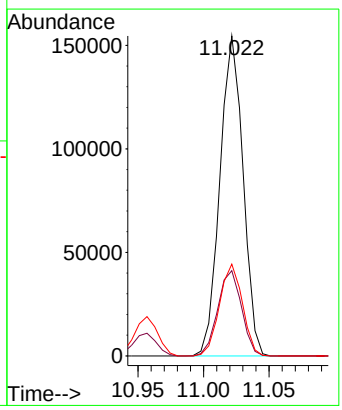
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

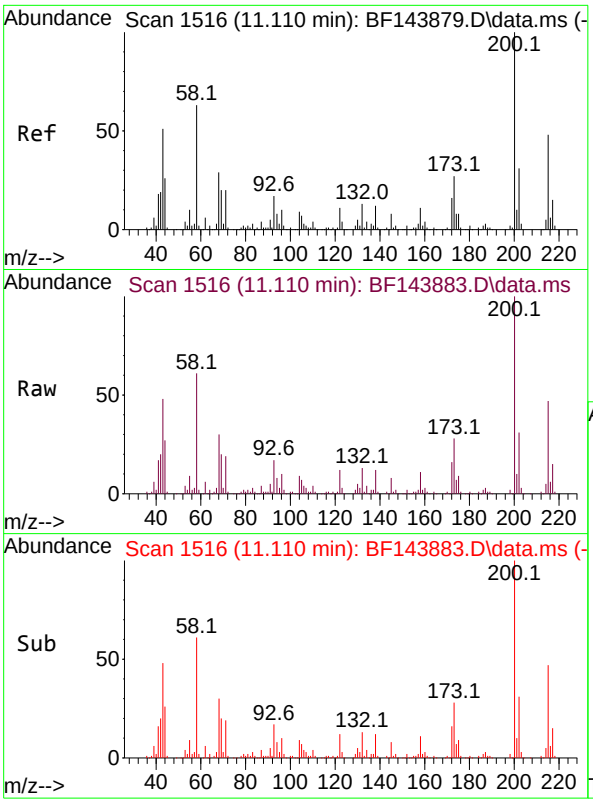


#68
Hexachlorobenzene
Concen: 34.415 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:284 Resp: 190028

Ion	Ratio	Lower	Upper
284	100		
142	26.6	20.6	30.8
249	28.7	23.2	34.8

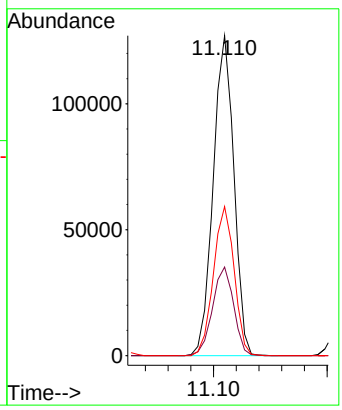




#69
Atrazine
Concen: 39.016 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:200 Resp: 16024

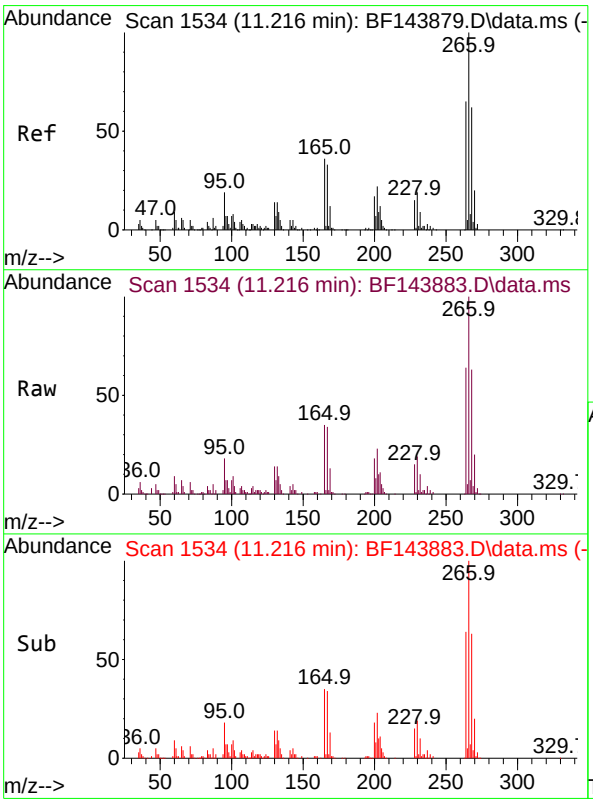
Ion	Ratio	Lower	Upper
200	100		
173	27.7	7.0	47.0
215	46.6	27.8	67.8



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

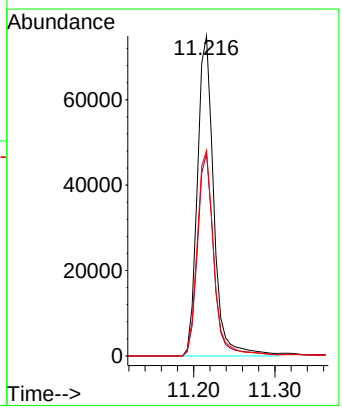
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

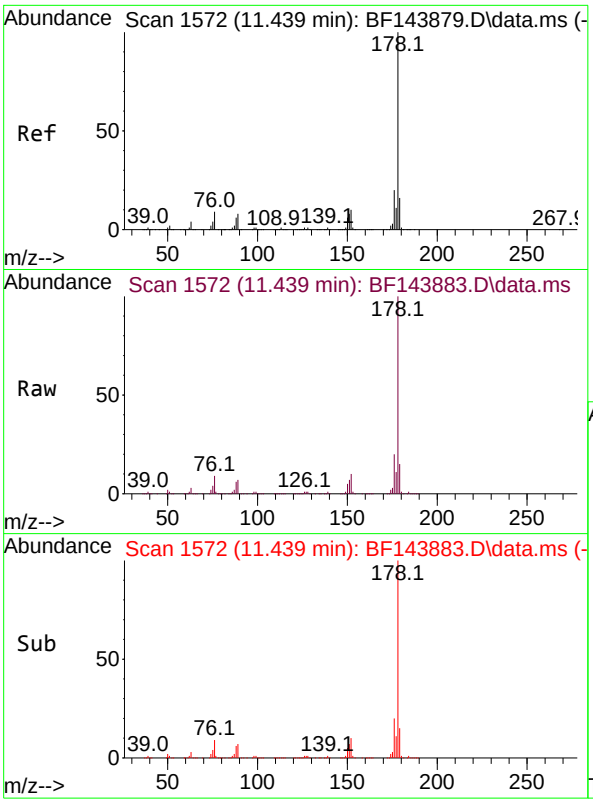


#70
Pentachlorophenol
Concen: 33.097 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:266 Resp: 104958

Ion	Ratio	Lower	Upper
266	100		
268	63.3	49.4	74.0
264	64.2	51.8	77.6

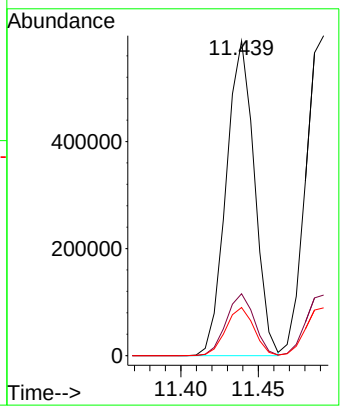




#71
Phenanthrene
Concen: 35.542 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:178 Resp: 74360

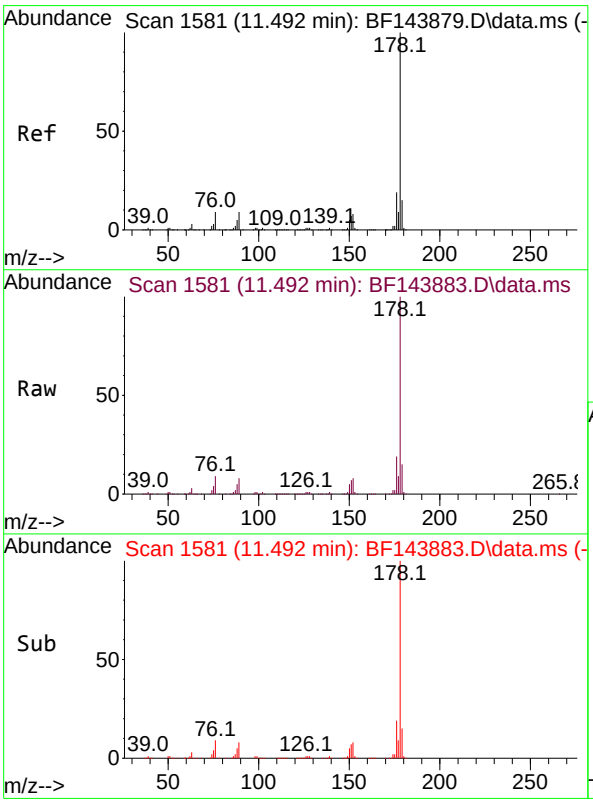
Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.3	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

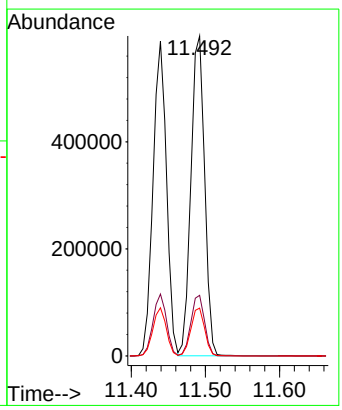
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

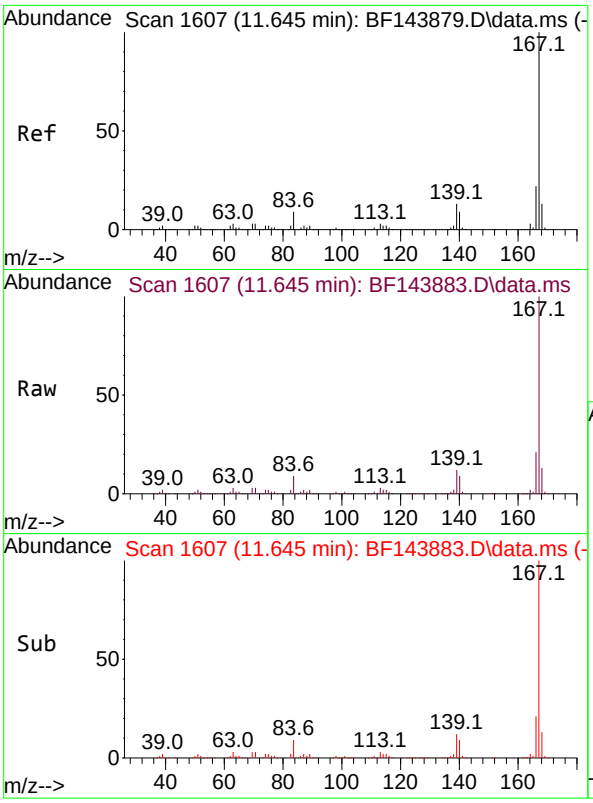


#72
Anthracene
Concen: 36.273 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:178 Resp: 766674

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	14.9	12.2	18.2

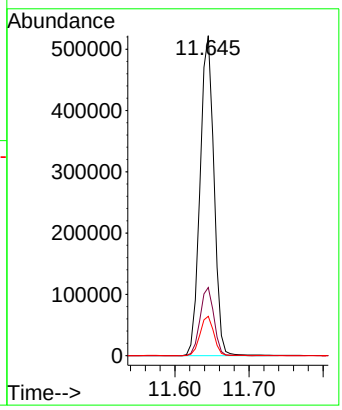




#73
Carbazole
Concen: 36.246 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:167 Resp: 67852

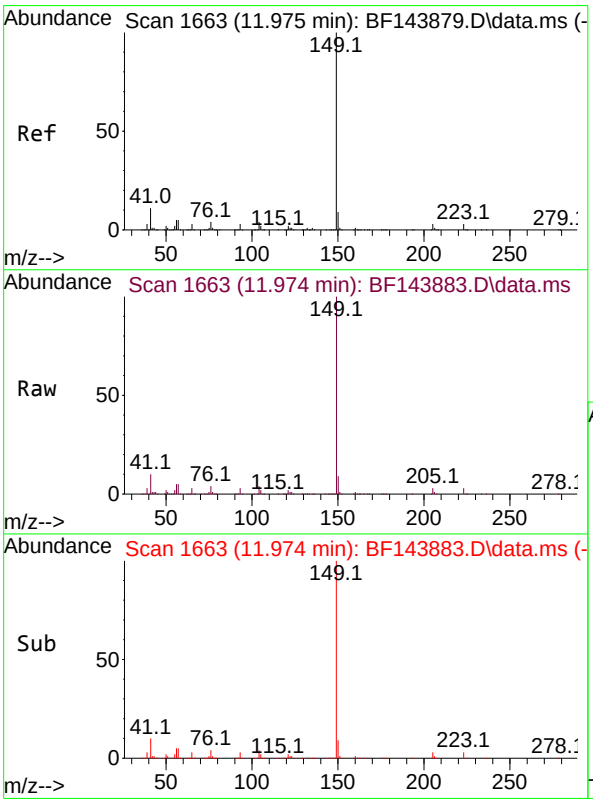
Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.2	25.8
139	12.3	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

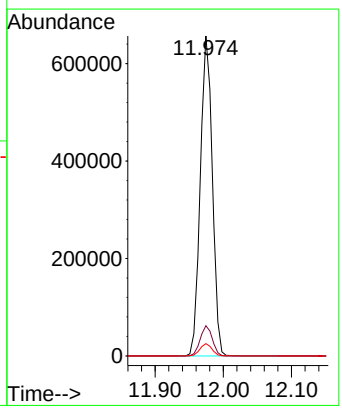
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

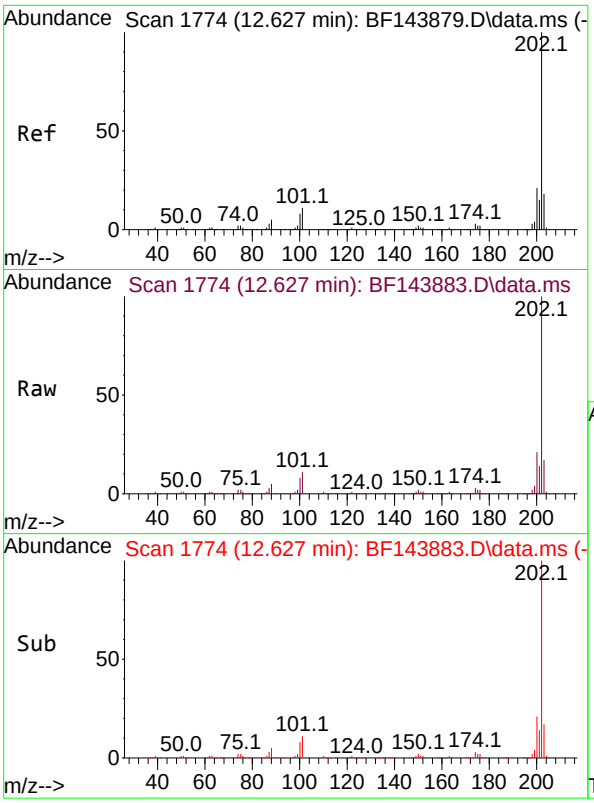


#74
Di-n-butylphthalate
Concen: 37.171 ng
RT: 11.974 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:149 Resp: 806451

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	3.9	3.4	5.2

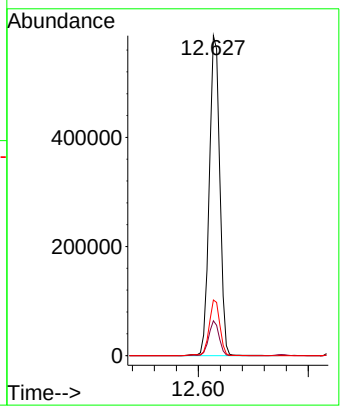




#75
Fluoranthene
Concen: 36.019 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:202 Resp: 778418

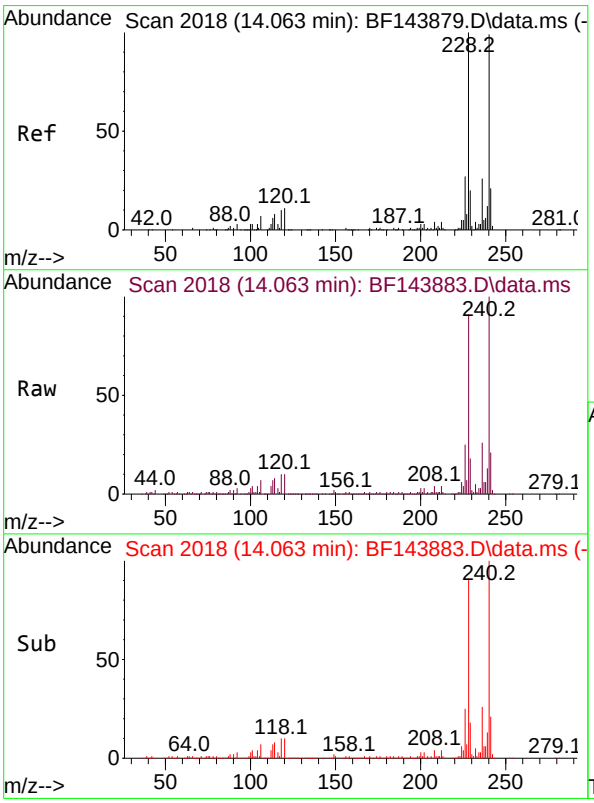
Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	30.7
203	17.4	0.0	37.8



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

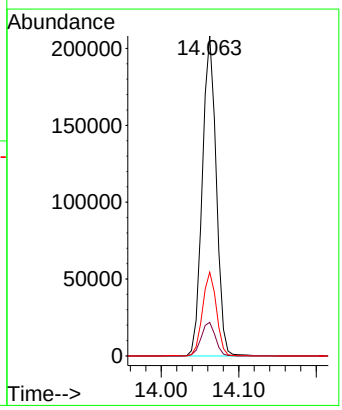
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

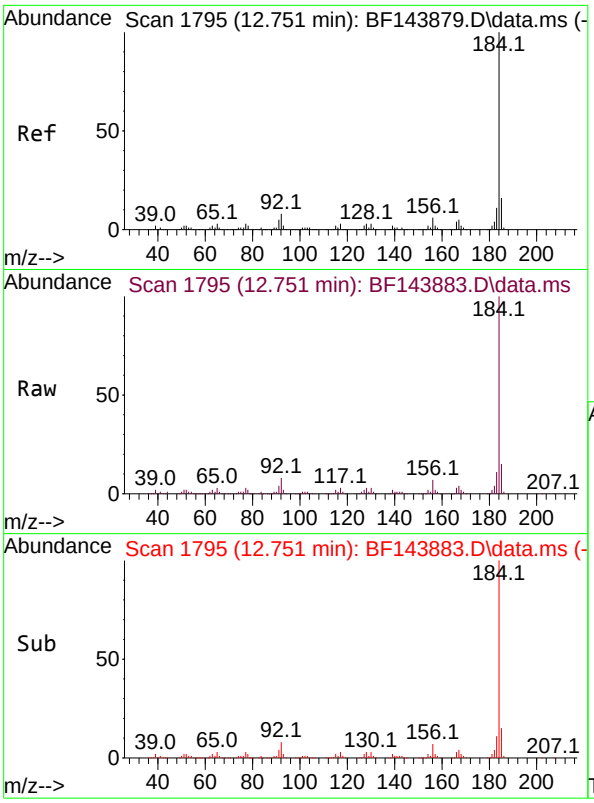


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:240 Resp: 259802

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.6	13.0
236	26.2	21.1	31.7

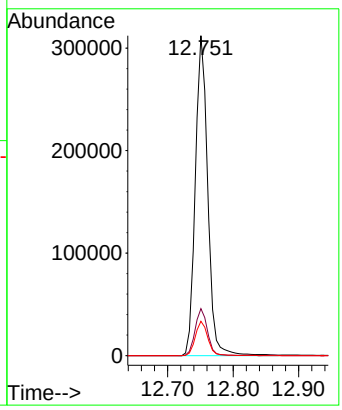




#77
Benzidine
Concen: 45.411 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:184 Resp: 40965

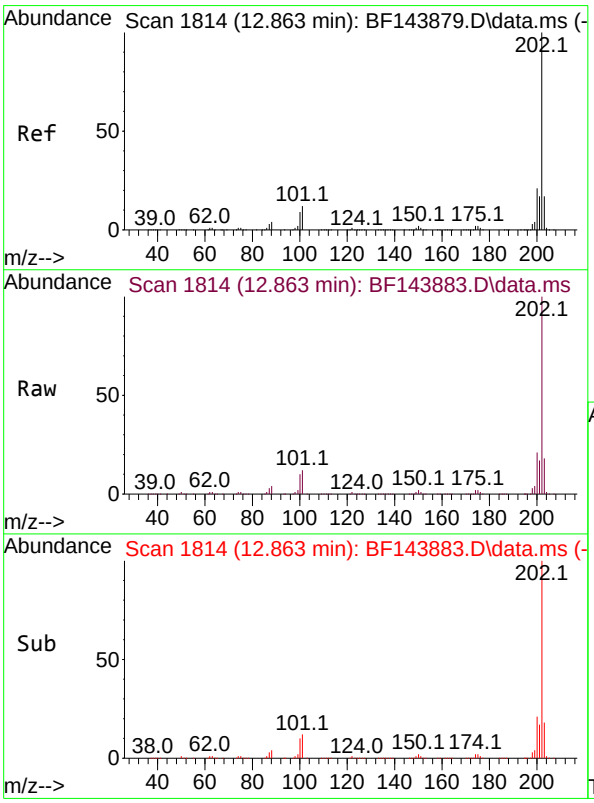
Ion	Ratio	Lower	Upper
184	100		
185	14.7	12.6	18.8
183	10.8	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

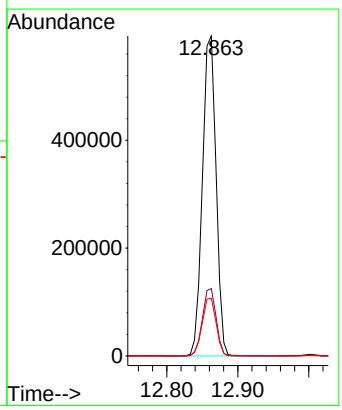
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

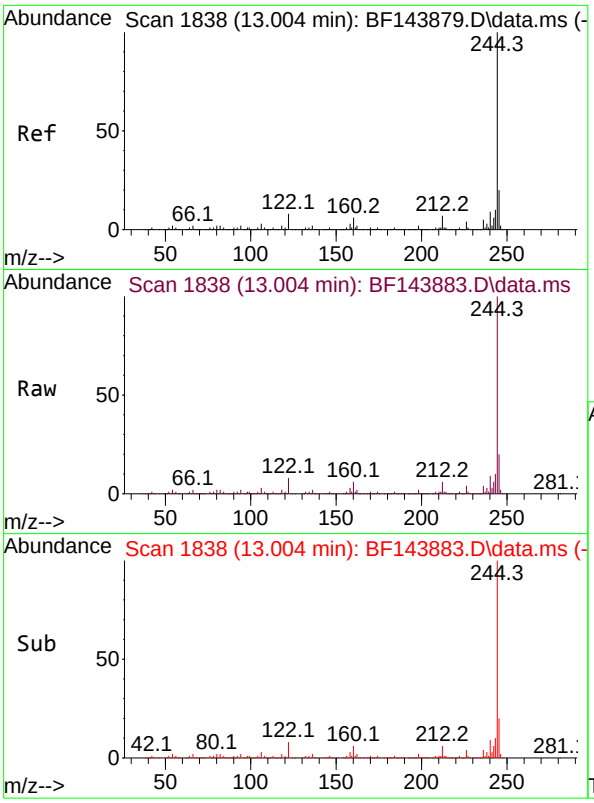


#78
Pyrene
Concen: 36.431 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:202 Resp: 789075

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.6
203	18.0	13.8	20.6

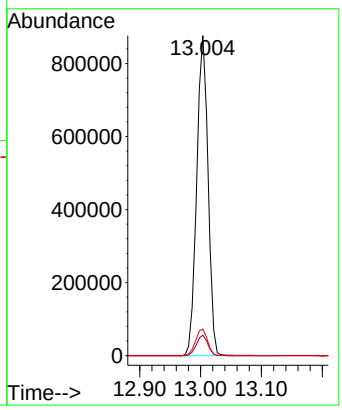




#79
Terphenyl-d14
Concen: 74.443 ng
RT: 13.004 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:244 Resp: 113163

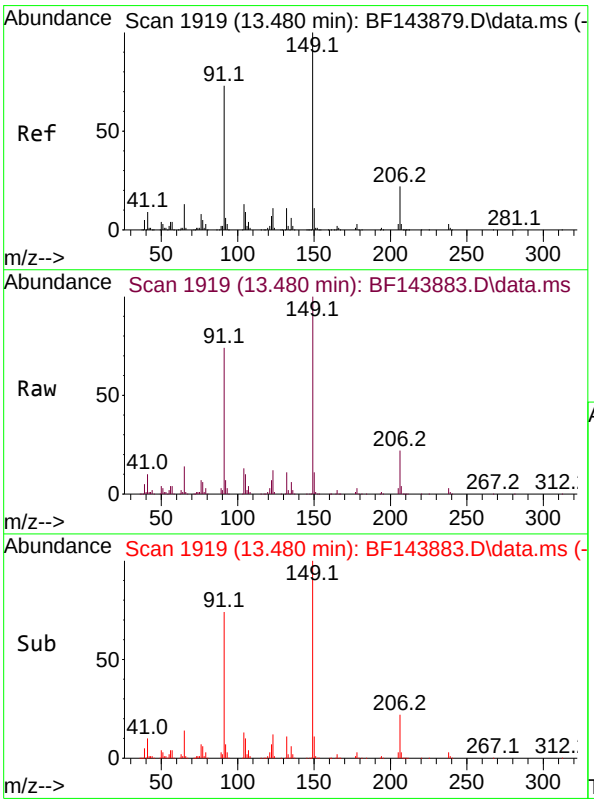
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	8.3	6.4	9.6



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

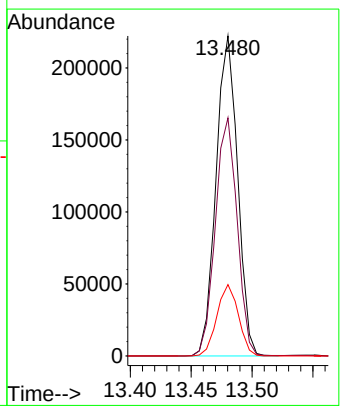
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

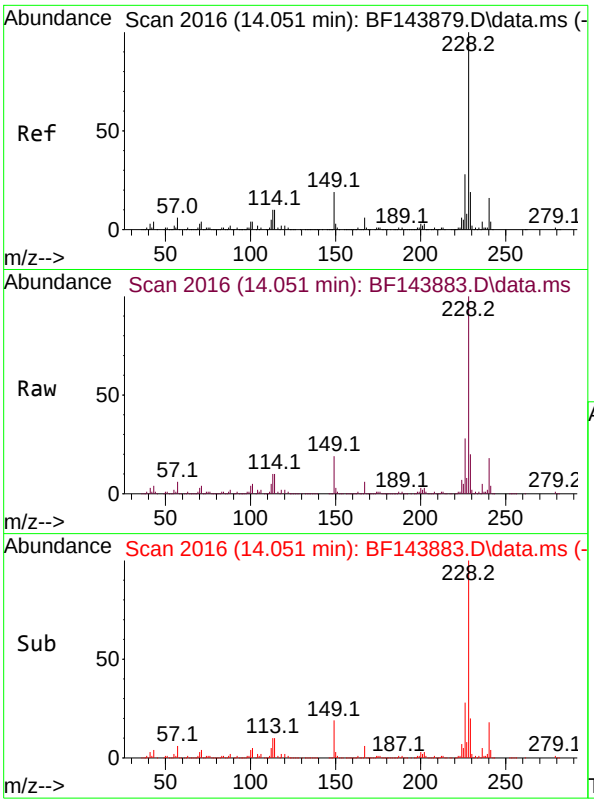


#80
Butylbenzylphthalate
Concen: 38.986 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:149 Resp: 274237

Ion	Ratio	Lower	Upper
149	100		
91	74.4	58.2	87.2
206	22.3	17.9	26.9

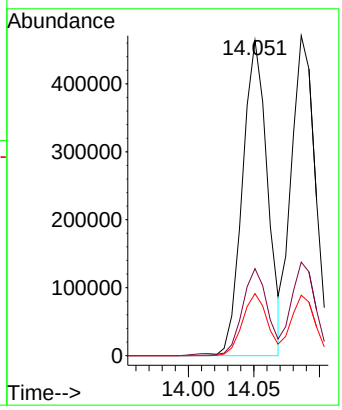




#81
Benzo(a)anthracene
Concen: 36.142 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:228 Resp: 61447

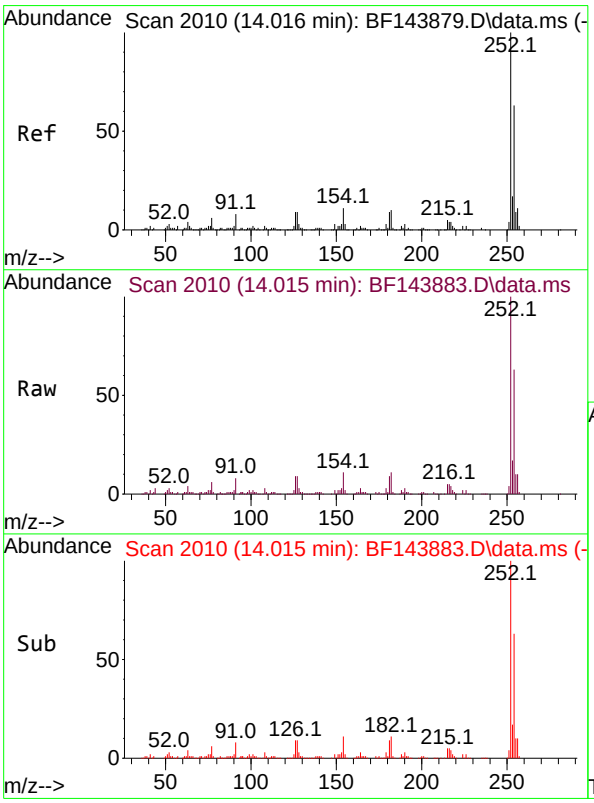
Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.2	33.2
229	19.7	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

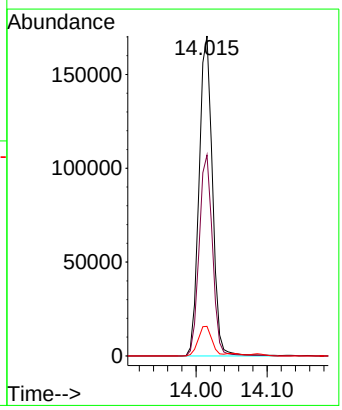
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

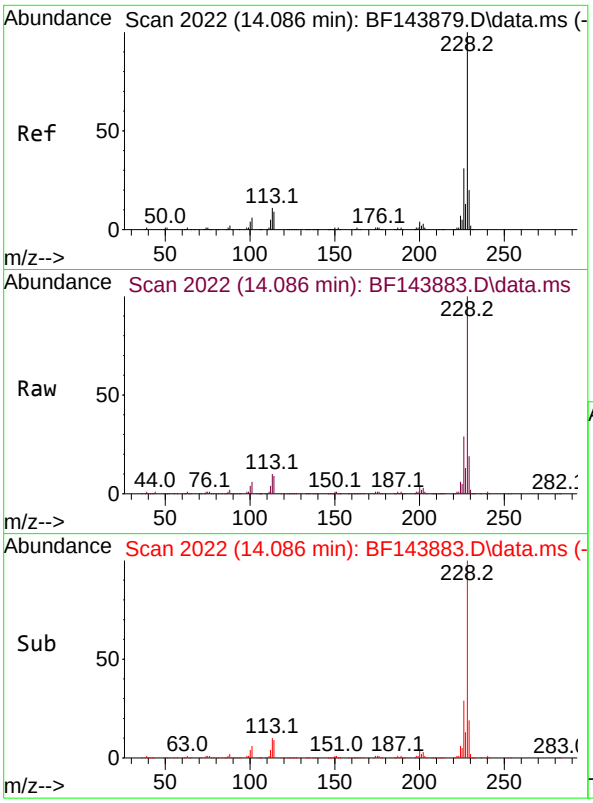


#82
3,3'-Dichlorobenzidine
Concen: 42.747 ng
RT: 14.015 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:252 Resp: 221480

Ion	Ratio	Lower	Upper
252	100		
254	62.8	50.6	76.0
126	9.2	7.0	10.6

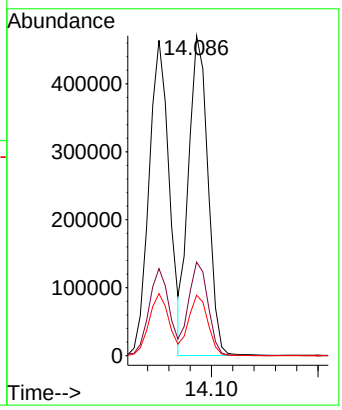




#83
Chrysene
Concen: 37.792 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:228 Resp: 59466

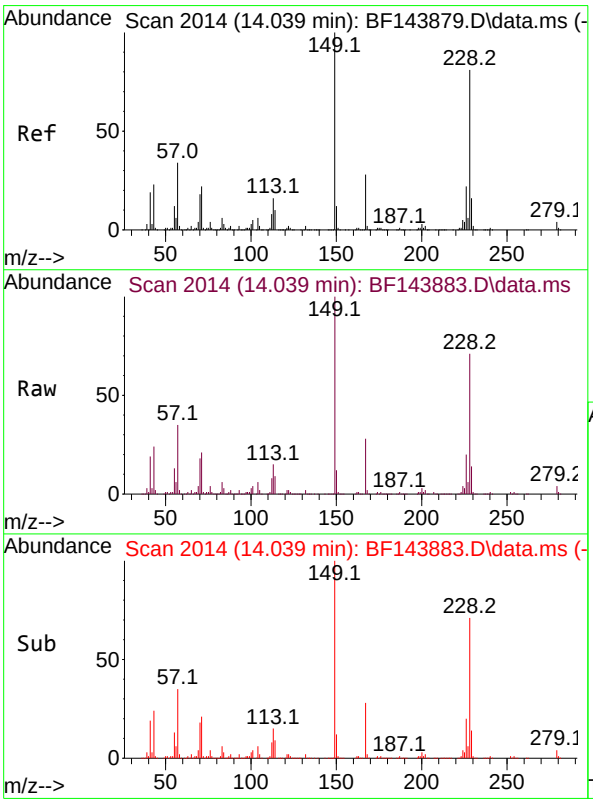
Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.4	36.6
229	18.9	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

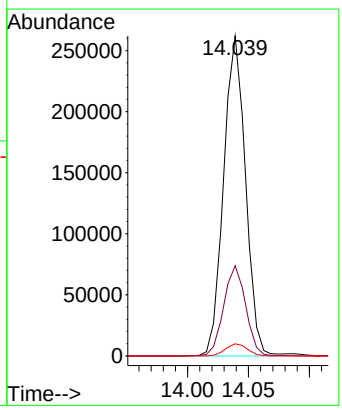
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

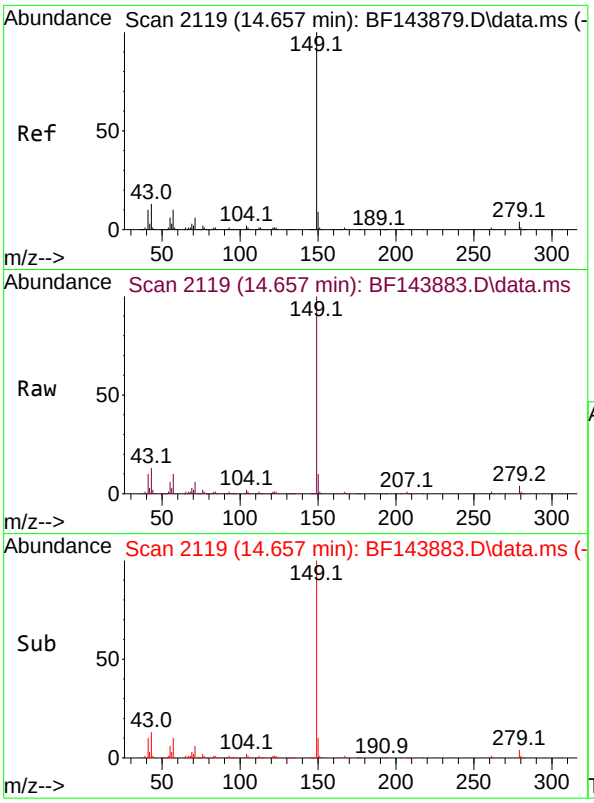


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.560 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:149 Resp: 326966

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.2	33.4
279	3.8	3.1	4.7

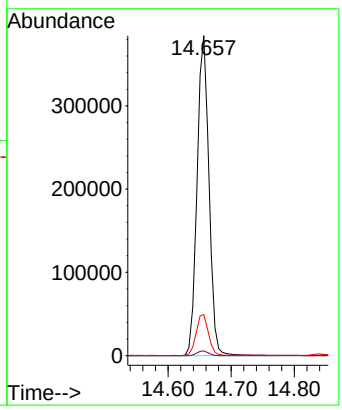




#85
Di-n-octyl phthalate
Concen: 36.116 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:149 Resp: 502989

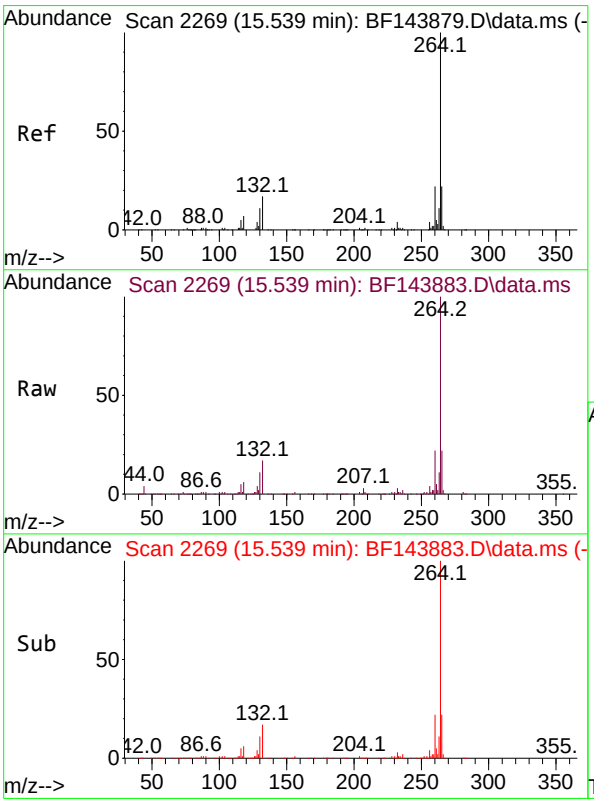
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	13.2	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

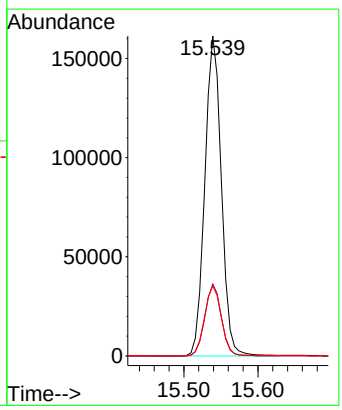
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

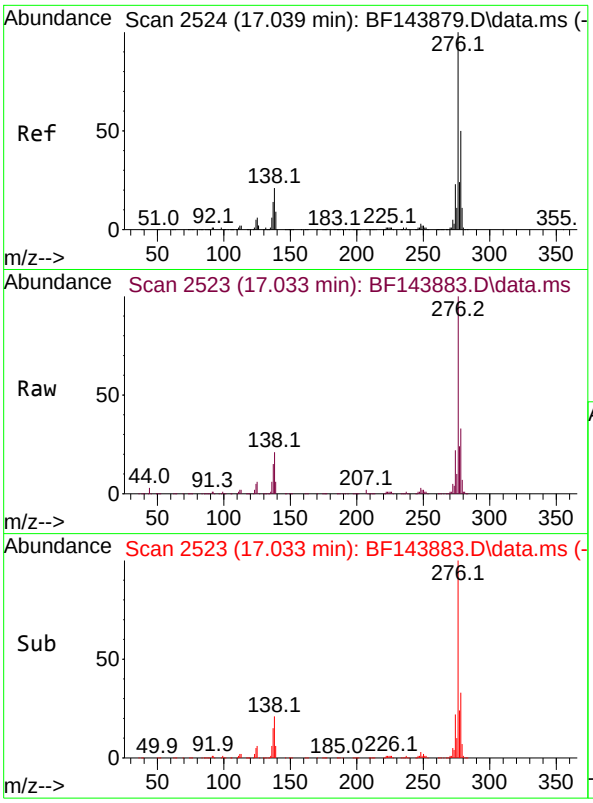


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:264 Resp: 249446

Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.8	26.8
265	21.8	17.5	26.3

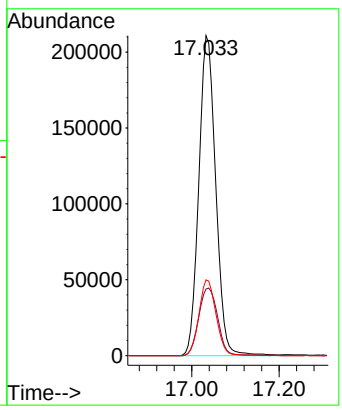




#87
Indeno(1,2,3-cd)pyrene
Concen: 36.867 ng
RT: 17.033 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:276 Resp: 56349

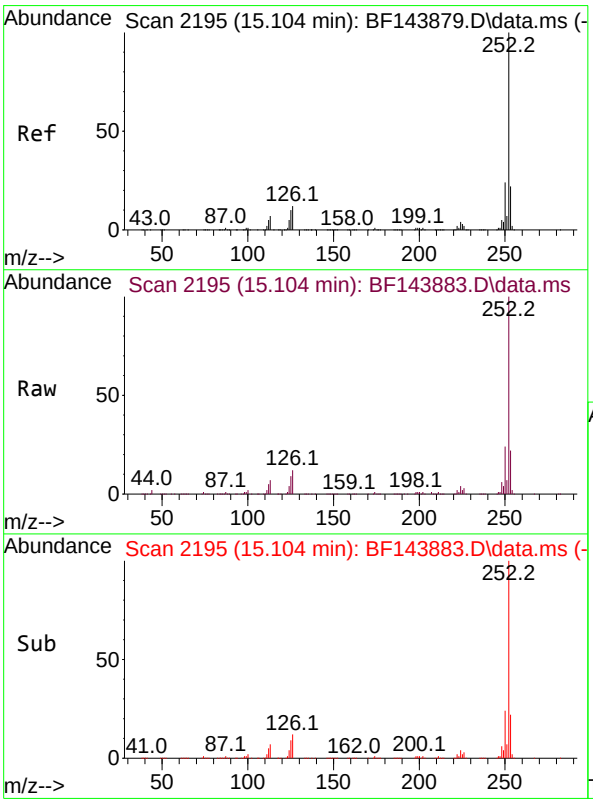
Ion	Ratio	Lower	Upper
276	100		
138	23.7	18.2	27.2
277	23.8	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

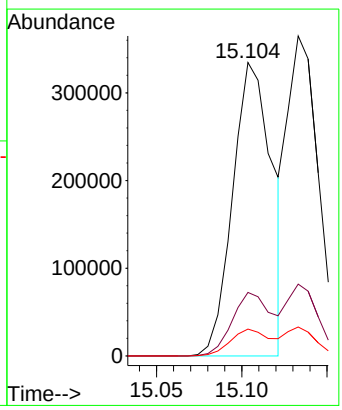
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

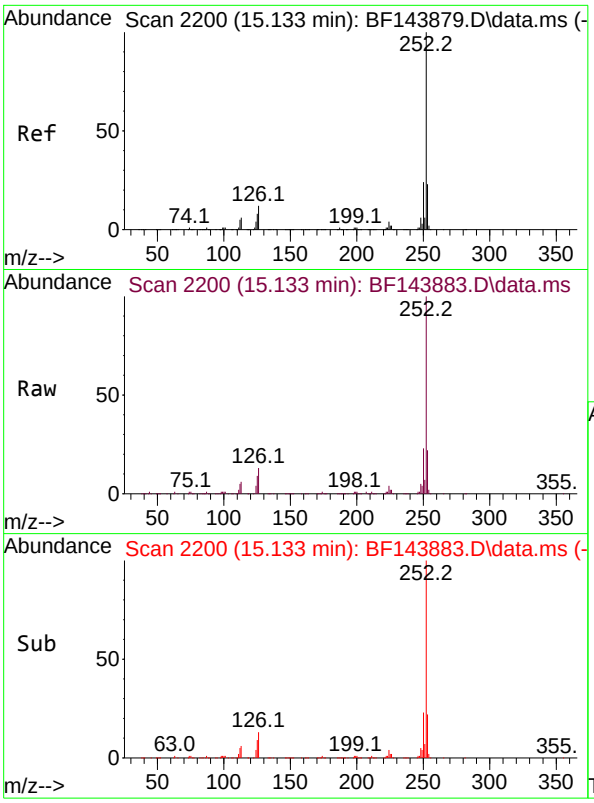


#88
Benzo(b)fluoranthene
Concen: 37.533 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:252 Resp: 537814

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	9.1	7.8	11.6





#89
Benzo(k)fluoranthene
Concen: 35.252 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

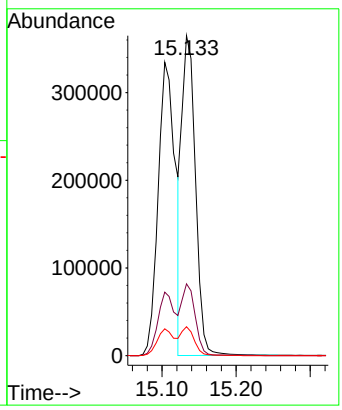
Tgt Ion:252 Resp: 46739

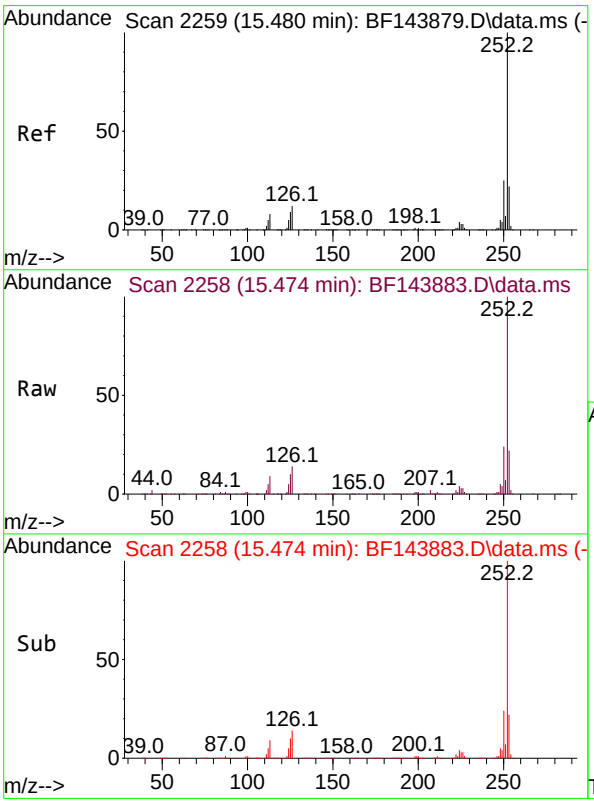
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	9.0	7.4	11.2

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

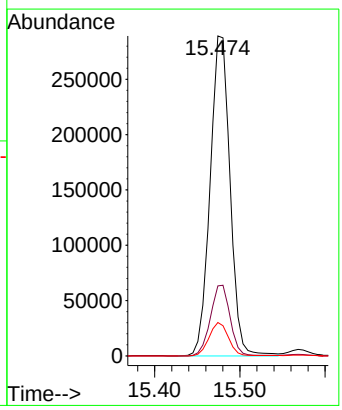


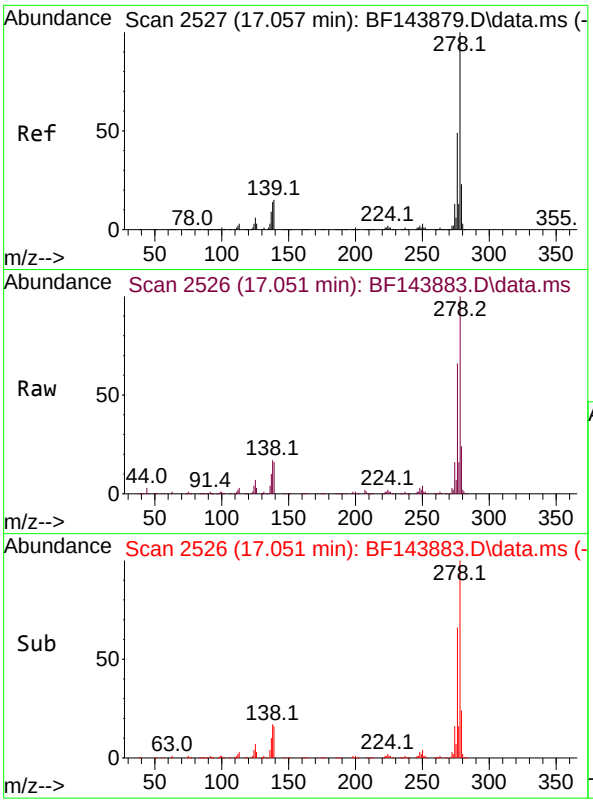


#90
Benzo(a)pyrene
Concen: 37.900 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:252 Resp: 470896

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	10.4	7.0	10.4

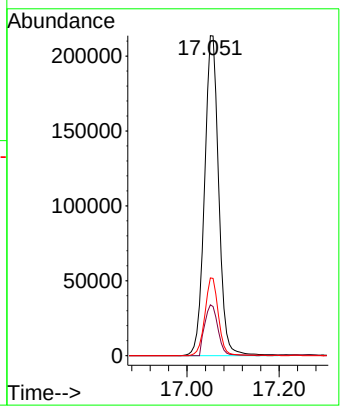




#91
Dibenzo(a,h)anthracene
Concen: 36.995 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:278 Resp: 45477

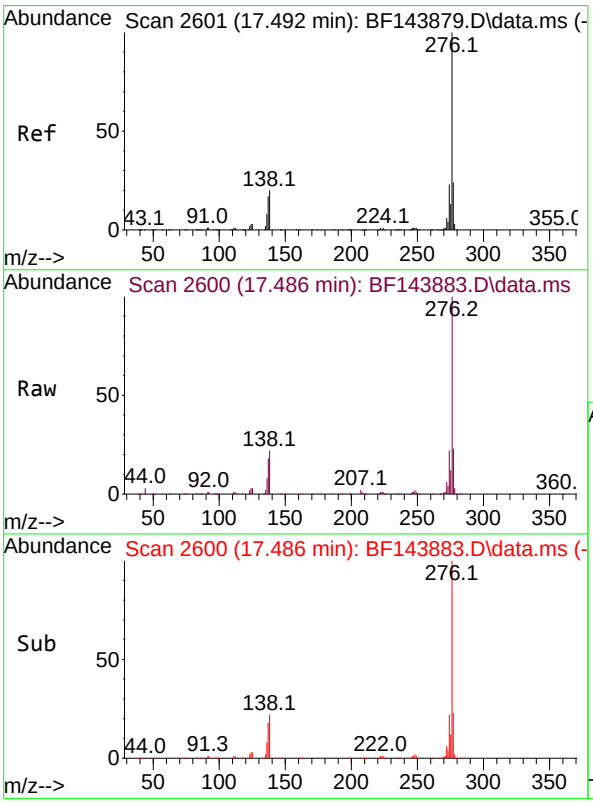
Ion	Ratio	Lower	Upper
278	100		
139	15.9	11.7	17.5
279	24.3	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

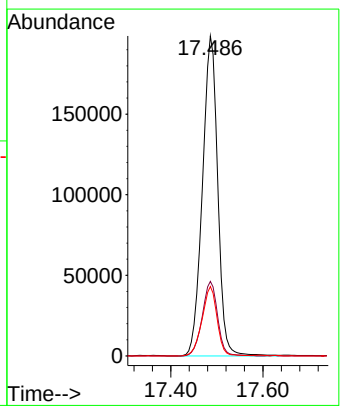
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#92
Benzo(g,h,i)perylene
Concen: 37.162 ng
RT: 17.486 min Scan# 2600
Delta R.T. -0.029 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:276 Resp: 456833

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.6
138	21.7	16.1	24.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
2		1,4-Dioxane	0.583	0.543	6.9	82	0.00
3		Pyridine	1.697	1.496	11.8	78	0.00
4		n-Nitrosodimethylamine	0.893	0.858	3.9	87	-0.03
5	S	2-Fluorophenol	1.259	1.179	6.4	83	0.00
6		Aniline	2.250	2.134	5.2	84	0.00
7	S	Phenol-d6	1.501	1.398	6.9	83	-0.02
8		2-Chlorophenol	1.231	1.173	4.7	83	0.00
9		Benzaldehyde	1.158	1.075	7.2	74	0.00
10	C	Phenol	1.795	1.683	6.2	84	-0.02
11		bis(2-Chloroethyl)ether	1.386	1.267	8.6	81	-0.01
12		1,3-Dichlorobenzene	1.474	1.394	5.4	84	0.00
13	C	1,4-Dichlorobenzene	1.454	1.395	4.1	86	0.00
14		1,2-Dichlorobenzene	1.392	1.380	0.9	88	0.00
15		Benzyl Alcohol	1.125	1.096	2.6	86	-0.01
16		2,2'-oxybis(1-Chloropropane	3.156	2.964	6.1	84	0.00
17		2-Methylphenol	1.017	0.976	4.0	85	0.00
18		Hexachloroethane	0.485	0.458	5.6	84	0.00
19	P	n-Nitroso-di-n-propylamine	1.028	0.941	8.5	84	-0.02
20		3+4-Methylphenols	1.179	1.176	0.3	85	-0.02
21	I	Naphthalene-d8	1.000	1.000	0.0	94	0.00
22		Acetophenone	0.423	0.399	5.7	86	-0.01
23	S	Nitrobenzene-d5	0.329	0.306	7.0	83	-0.01
24		Nitrobenzene	0.366	0.345	5.7	82	-0.01
25		Isophorone	0.694	0.613	11.7	81	-0.02
26	C	2-Nitrophenol	0.157	0.152	3.2	82	0.00
27		2,4-Dimethylphenol	0.282	0.288	-2.1	91	-0.01
28		bis(2-Chloroethoxy)methane	0.438	0.402	8.2	85	-0.01
29	C	2,4-Dichlorophenol	0.294	0.271	7.8	83	-0.01
30		1,2,4-Trichlorobenzene	0.289	0.271	6.2	85	0.00
31		Naphthalene	0.910	0.834	8.4	84	0.00
32		Benzoic acid	0.195	0.172	11.8	80	-0.06
33		4-Chloroaniline	0.341	0.358	-5.0	94	0.00
34	C	Hexachlorobutadiene	0.201	0.177	11.9	80	0.00
35		Caprolactam	0.093	0.088	5.4	86	-0.05
36	C	4-Chloro-3-methylphenol	0.282	0.254	9.9	83	-0.01
37		2-Methylnaphthalene	0.606	0.504	16.8	76	0.00
38		1-Methylnaphthalene	0.588	0.518	11.9	80	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	95	0.00
40		1,2,4,5-Tetrachlorobenzene	0.553	0.513	7.2	83	0.00
41	P	Hexachlorocyclopentadiene	0.229	0.281	-22.7	104	0.00
42	S	2,4,6-Tribromophenol	0.199	0.178	10.6	82	0.00
43	C	2,4,6-Trichlorophenol	0.404	0.371	8.2	79	-0.01
44		2,4,5-Trichlorophenol	0.427	0.376	11.9	78	-0.01
45	S	2-Fluorobiphenyl	1.260	1.065	15.5	83	-0.01
46		1,1'-Biphenyl	1.324	1.217	8.1	84	0.00
47		2-Chloronaphthalene	1.104	1.006	8.9	84	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.349	0.339	2.9	83	0.00
49		Acenaphthylene	1.552	1.585	-2.1	93	0.00
50		Dimethylphthalate	1.270	1.142	10.1	84	0.00
51		2,6-Dinitrotoluene	0.236	0.247	-4.7	90	-0.01
52	C	Acenaphthene	1.017	0.913	10.2	83	0.00
53		3-Nitroaniline	0.288	0.292	-1.4	91	-0.01
54	P	2,4-Dinitrophenol	0.118	0.107	9.3	85	-0.01
55		Dibenzofuran	1.436	1.318	8.2	84	0.00
56	P	4-Nitrophenol	0.218	0.201	7.8	82	-0.02
57		2,4-Dinitrotoluene	0.320	0.330	-3.1	86	-0.01
58		Fluorene	1.083	0.962	11.2	84	0.00
59		2,3,4,6-Tetrachlorophenol	0.302	0.291	3.6	85	-0.05
60		Diethylphthalate	1.180	1.077	8.7	84	0.00
61		4-Chlorophenyl-phenylether	0.573	0.517	9.8	83	0.00
62		4-Nitroaniline	0.277	0.257	7.2	84	-0.02
63		Azobenzene	1.233	1.136	7.9	85	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	0.101	0.093	7.9	82	-0.02
66	c	n-Nitrosodiphenylamine	0.628	0.575	8.4	85	-0.01
67		4-Bromophenyl-phenylether	0.221	0.188	14.9	79	0.00
68		Hexachlorobenzene	0.256	0.220	14.1	80	0.00
69		Atrazine	0.190	0.186	2.1	93	-0.01
70	C	Pentachlorophenol	0.147	0.122	17.0	75	0.00
71		Phenanthrene	0.970	0.862	11.1	86	0.00
72		Anthracene	0.980	0.888	9.4	84	0.00
73		Carbazole	0.868	0.786	9.4	86	0.00
74		Di-n-butylphthalate	1.005	0.934	7.1	86	0.00
75	C	Fluoranthene	1.002	0.902	10.0	85	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	102	0.00
77		Benzidine	0.694	0.788	-13.5	106	0.00
78		Pyrene	1.667	1.519	8.9	83	0.00
79	S	Terphenyl-d14	1.170	1.089	6.9	87	0.00
80		Butylbenzylphthalate	0.542	0.528	2.6	87	0.00
81		Benzo(a)anthracene	1.309	1.183	9.6	86	0.00
82		3,3'-Dichlorobenzidine	0.399	0.426	-6.8	99	0.00
83		Chrysene	1.211	1.144	5.5	90	0.00
84		Bis(2-ethylhexyl)phthalate	0.653	0.629	3.7	87	0.00
85	c	Di-n-octyl phthalate	1.072	0.968	9.7	83	0.00
86	I	Perylene-d12	1.000	1.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	1.225	1.129	7.8	81	-0.02
88		Benzo(b)fluoranthene	1.149	1.078	6.2	84	-0.01
89		Benzo(k)fluoranthene	1.063	0.937	11.9	84	-0.01
90	C	Benzo(a)pyrene	0.996	0.944	5.2	85	-0.01
91		Dibenzo(a,h)anthracene	0.986	0.912	7.5	80	-0.03
92		Benzo(g,h,i)perylene	0.986	0.916	7.1	81	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	92	0.00
2		1,4-Dioxane	40.000	37.256	6.9	82	0.00
3		Pyridine	40.000	35.261	11.8	78	0.00
4		n-Nitrosodimethylamine	40.000	38.456	3.9	87	-0.03
5	S	2-Fluorophenol	80.000	74.908	6.4	83	0.00
6		Aniline	40.000	37.937	5.2	84	0.00
7	S	Phenol-d6	80.000	74.487	6.9	83	-0.02
8		2-Chlorophenol	40.000	38.116	4.7	83	0.00
9		Benzaldehyde	40.000	37.141	7.1	74	0.00
10	C	Phenol	40.000	37.501	6.2	84	-0.02
11		bis(2-Chloroethyl)ether	40.000	36.561	8.6	81	-0.01
12		1,3-Dichlorobenzene	40.000	37.828	5.4	84	0.00
13	C	1,4-Dichlorobenzene	40.000	38.392	4.0	86	0.00
14		1,2-Dichlorobenzene	40.000	39.655	0.9	88	0.00
15		Benzyl Alcohol	40.000	38.974	2.6	86	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	37.568	6.1	84	0.00
17		2-Methylphenol	40.000	38.352	4.1	85	0.00
18		Hexachloroethane	40.000	37.755	5.6	84	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	36.612	8.5	84	-0.02
20		3+4-Methylphenols	40.000	39.880	0.3	85	-0.02
21	I	Naphthalene-d8	20.000	20.000	0.0	94	0.00
22		Acetophenone	40.000	37.713	5.7	86	-0.01
23	S	Nitrobenzene-d5	80.000	74.330	7.1	83	-0.01
24		Nitrobenzene	40.000	37.727	5.7	82	-0.01
25		Isophorone	40.000	35.347	11.6	81	-0.02
26	C	2-Nitrophenol	40.000	38.717	3.2	82	0.00
27		2,4-Dimethylphenol	40.000	40.847	-2.1	91	-0.01
28		bis(2-Chloroethoxy)methane	40.000	36.639	8.4	85	-0.01
29	C	2,4-Dichlorophenol	40.000	36.899	7.8	83	-0.01
30		1,2,4-Trichlorobenzene	40.000	37.503	6.2	85	0.00
31		Naphthalene	40.000	36.679	8.3	84	0.00
32		Benzoic acid	40.000	35.162	12.1	80	-0.06
33		4-Chloroaniline	40.000	41.950	-4.9	94	0.00
34	C	Hexachlorobutadiene	40.000	35.201	12.0	80	0.00
35		Caprolactam	40.000	37.736	5.7	86	-0.05
36	C	4-Chloro-3-methylphenol	40.000	36.079	9.8	83	-0.01
37		2-Methylnaphthalene	40.000	33.257	16.9	76	0.00
38		1-Methylnaphthalene	40.000	35.269	11.8	80	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	95	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.122	7.2	83	0.00
41	P	Hexachlorocyclopentadiene	40.000	48.984	-22.5	104	0.00
42	S	2,4,6-Tribromophenol	80.000	71.685	10.4	82	0.00
43	C	2,4,6-Trichlorophenol	40.000	36.726	8.2	79	-0.01
44		2,4,5-Trichlorophenol	40.000	35.194	12.0	78	-0.01
45	S	2-Fluorobiphenyl	80.000	67.621	15.5	83	-0.01
46		1,1'-Biphenyl	40.000	36.770	8.1	84	0.00
47		2-Chloronaphthalene	40.000	36.454	8.9	84	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	38.894	2.8	83	0.00
49		Acenaphthylene	40.000	40.859	-2.1	93	0.00
50		Dimethylphthalate	40.000	35.968	10.1	84	0.00
51		2,6-Dinitrotoluene	40.000	41.967	-4.9	90	-0.01
52	C	Acenaphthene	40.000	35.913	10.2	83	0.00
53		3-Nitroaniline	40.000	40.493	-1.2	91	-0.01
54	P	2,4-Dinitrophenol	40.000	33.731	15.7	85	-0.01
55		Dibenzofuran	40.000	36.717	8.2	84	0.00
56	P	4-Nitrophenol	40.000	36.850	7.9	82	-0.02
57		2,4-Dinitrotoluene	40.000	41.169	-2.9	86	-0.01
58		Fluorene	40.000	35.527	11.2	84	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	38.488	3.8	85	-0.05
60		Diethylphthalate	40.000	36.501	8.7	84	0.00
61		4-Chlorophenyl-phenylether	40.000	36.113	9.7	83	0.00
62		4-Nitroaniline	40.000	37.074	7.3	84	-0.02
63		Azobenzene	40.000	36.837	7.9	85	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	40.000	37.083	7.3	82	-0.02
66	c	n-Nitrosodiphenylamine	40.000	36.649	8.4	85	-0.01
67		4-Bromophenyl-phenylether	40.000	33.973	15.1	79	0.00
68		Hexachlorobenzene	40.000	34.415	14.0	80	0.00
69		Atrazine	40.000	39.016	2.5	93	-0.01
70	C	Pentachlorophenol	40.000	33.097	17.3	75	0.00
71		Phenanthrene	40.000	35.542	11.1	86	0.00
72		Anthracene	40.000	36.273	9.3	84	0.00
73		Carbazole	40.000	36.246	9.4	86	0.00
74		Di-n-butylphthalate	40.000	37.171	7.1	86	0.00
75	C	Fluoranthene	40.000	36.019	10.0	85	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	102	0.00
77		Benzidine	40.000	45.411	-13.5	106	0.00
78		Pyrene	40.000	36.431	8.9	83	0.00
79	S	Terphenyl-d14	80.000	74.443	6.9	87	0.00
80		Butylbenzylphthalate	40.000	38.986	2.5	87	0.00
81		Benzo(a)anthracene	40.000	36.142	9.6	86	0.00
82		3,3'-Dichlorobenzidine	40.000	42.747	-6.9	99	0.00
83		Chrysene	40.000	37.792	5.5	90	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	38.560	3.6	87	0.00
85	c	Di-n-octyl phthalate	40.000	36.116	9.7	83	0.00
86	I	Perylene-d12	20.000	20.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	36.867	7.8	81	-0.02
88		Benzo(b)fluoranthene	40.000	37.533	6.2	84	-0.01
89		Benzo(k)fluoranthene	40.000	35.252	11.9	84	-0.01
90	C	Benzo(a)pyrene	40.000	37.900	5.3	85	-0.01
91		Dibenzo(a,h)anthracene	40.000	36.995	7.5	80	-0.03
92		Benzo(g,h,i)perylene	40.000	37.162	7.1	81	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 02 16:40:42 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064473.D 5 =BG064474.D 10 =BG064481.D 20 =BG064476.D 40 =BG064477.D 50 =BG064478.D 60 =BG064479.D 80 =BG0644
80.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.530	0.412	0.447	0.438	0.398	0.386	0.381	0.427	12.10
3)		Pyridine		1.225	1.151	1.147	1.236	1.102	1.095	1.086	1.149	5.33
4)		n-Nitrosodimet...			0.854	0.790	0.863	0.833	0.843	0.814	0.833	3.24
5)	S	2-Fluorophenol		1.066	1.018	1.053	1.195	1.071	1.108	1.053	1.081	5.26
6)		Aniline		1.913	1.738	1.827	2.020	1.772	1.823	1.729	1.832	5.68
7)	S	Phenol-d6		1.395	1.373	1.446	1.631	1.434	1.496	1.391	1.452	6.12
8)		2-Chlorophenol		1.387	1.264	1.312	1.455	1.264	1.336	1.271	1.327	5.45
9)		Benzaldehyde			1.437	1.039	1.527	1.146	1.548	1.037	1.289	18.76
10)	C	Phenol		1.518	1.397	1.530	1.683	1.517	1.583	1.496	1.532	5.68
11)		bis(2-Chloroet...		1.117	0.953	1.002	1.134	1.000	1.064	0.992	1.038	6.61
12)		1,3-Dichlorobe...		1.558	1.459	1.396	1.582	1.385	1.418	1.363	1.452	5.97
13)	C	1,4-Dichlorobe...		1.506	1.435	1.452	1.581	1.421	1.421	1.383	1.457	4.57
14)		1,2-Dichlorobe...		1.583	1.389	1.434	1.533	1.377	1.399	1.335	1.436	6.24
15)		Benzyl Alcohol			1.224	1.300	1.447	1.342	1.399	1.312	1.337	5.87
16)		2,2'-oxybis(1-...		1.720	1.610	1.657	1.804	1.650	1.708	1.558	1.672	4.80
17)		2-Methylphenol		1.105	1.063	1.087	1.215	1.076	1.143	1.077	1.109	4.81
18)		Hexachloroethane		0.586	0.630	0.534	0.604	0.562	0.566	0.544	0.575	5.87
19)	P	n-Nitroso-di-n...	0.813	1.008	0.913	1.006	1.096	0.959	1.048	0.926	0.971	9.10
20)		3+4-Methylphenols			1.472	1.510	1.700	1.492	1.622	1.494	1.548	5.91
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.476	0.450	0.477	0.516	0.491	0.495	0.486	0.484	4.21
23)	S	Nitrobenzene-d5		0.360	0.352	0.378	0.396	0.369	0.381	0.369	0.372	3.84
24)		Nitrobenzene		0.403	0.348	0.352	0.395	0.364	0.377	0.358	0.371	5.73
25)		Isophorone		0.672	0.654	0.674	0.721	0.660	0.686	0.650	0.674	3.59
26)	C	2-Nitrophenol		0.197	0.169	0.181	0.192	0.185	0.188	0.181	0.185	4.93
27)		2,4-Dimethylph...		0.277	0.257	0.279	0.299	0.285	0.298	0.281	0.282	4.97
28)		bis(2-Chloroet...		0.320	0.320	0.361	0.375	0.336	0.352	0.341	0.343	5.92
29)	C	2,4-Dichloroph...		0.323	0.305	0.321	0.343	0.322	0.336	0.332	0.326	3.78
30)		1,2,4-Trichlor...		0.383	0.333	0.360	0.377	0.339	0.349	0.347	0.356	5.27
31)		Naphthalene		1.062	0.980	1.013	1.107	0.995	1.041	1.011	1.030	4.26
32)		Benzoic acid			0.149	0.198	0.230	0.240	0.239	0.243	0.216	17.02
33)		4-Chloroaniline		0.392	0.398	0.373	0.417	0.388	0.406	0.392	0.395	3.53
34)	C	Hexachlorobuta...		0.331	0.289	0.308	0.316	0.296	0.300	0.291	0.304	4.94
35)		Caprolactam			0.108	0.120	0.115	0.111	0.110	0.107	0.112	4.36
36)	C	4-Chloro-3-met...		0.395	0.381	0.392	0.418	0.390	0.405	0.395	0.397	3.01
37)		2-Methylnaphth...		0.783	0.771	0.790	0.843	0.778	0.799	0.770	0.791	3.18
38)		1-Methylnaphth...		0.837	0.782	0.782	0.825	0.750	0.784	0.758	0.788	4.08

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG100225.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.622	0.604	0.622	0.708	0.640	0.678	0.646	0.646	5.60
41)	P	Hexachlorocycl...		0.279	0.296	0.363	0.356	0.378	0.356	0.338	11.95
42)	S	2,4,6-Tribromo...	0.364	0.352	0.367	0.381	0.364	0.361	0.349	0.363	2.89
43)	C	2,4,6-Trichlor...	0.391	0.390	0.396	0.445	0.416	0.436	0.414	0.413	5.30
44)		2,4,5-Trichlor...	0.451	0.452	0.430	0.486	0.465	0.473	0.470	0.461	3.93
45)	S	2-Fluorobiphenyl	1.355	1.338	1.346	1.434	1.325	1.389	1.310	1.357	3.11
46)		1,1'-Biphenyl	1.439	1.388	1.417	1.521	1.434	1.484	1.387	1.438	3.42
47)		2-Chloronaphth...	1.006	1.104	1.046	1.153	1.056	1.106	1.046	1.074	4.61
48)		2-Nitroaniline	0.301	0.362	0.371	0.397	0.386	0.385	0.365	0.367	8.60
49)		Acenaphthylene	1.591	1.534	1.573	1.704	1.574	1.638	1.546	1.594	3.68
50)		Dimethylphthalate	1.564	1.584	1.582	1.624	1.531	1.586	1.493	1.566	2.72
51)		2,6-Dinitrotol...	0.292	0.326	0.335	0.337	0.333	0.345	0.316	0.326	5.43
52)	C	Acenaphthene	1.108	1.099	1.086	1.159	1.106	1.138	1.058	1.108	2.98
53)		3-Nitroaniline	0.279	0.294	0.300	0.319	0.315	0.303	0.296	0.301	4.50
54)	P	2,4-Dinitrophenol		0.265	0.270	0.207	0.228	0.229	0.220	0.237	10.76
55)		Dibenzofuran	1.837	1.810	1.800	1.909	1.821	1.872	1.753	1.829	2.77
56)	P	4-Nitrophenol		0.192	0.227	0.260	0.256	0.253	0.232	0.237	10.85
57)		2,4-Dinitrotol...	0.481	0.499	0.488	0.527	0.513	0.506	0.477	0.499	3.60
58)		Fluorene	1.518	1.511	1.535	1.601	1.488	1.532	1.458	1.520	2.91
59)		2,3,4,6-Tetrac...	0.438	0.447	0.475	0.505	0.475	0.494	0.457	0.470	5.16
60)		Diethylphthalate	1.747	1.692	1.679	1.730	1.675	1.663	1.578	1.680	3.25
61)		4-Chlorophenyl...	0.866	0.809	0.839	0.868	0.817	0.819	0.794	0.830	3.42
62)		4-Nitroaniline	0.229	0.296	0.331	0.334	0.345	0.340	0.320	0.314	12.96
63)		Azobenzene	1.339	1.299	1.325	1.346	1.295	1.289	1.216	1.301	3.37
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.125	0.139	0.145	0.138	0.145	0.144	0.139	5.58
66)	c	n-Nitrosodiphe...	0.540	0.519	0.534	0.569	0.508	0.541	0.529	0.534	3.62
67)		4-Bromophenyl-...	0.235	0.229	0.227	0.253	0.224	0.237	0.241	0.235	4.21
68)		Hexachlorobenzene	0.256	0.261	0.272	0.288	0.260	0.280	0.270	0.269	4.36
69)		Atrazine	0.237	0.240	0.247	0.250	0.232	0.239	0.219	0.238	4.26
70)	C	Pentachlorophenol		0.118	0.146	0.169	0.166	0.170	0.175	0.157	13.66
71)		Phenanthrene	1.072	1.022	1.055	1.111	1.002	1.050	1.010	1.046	3.65
72)		Anthracene	1.045	1.028	1.044	1.130	1.001	1.068	1.029	1.049	3.93
73)		Carbazole	0.883	0.895	0.904	0.987	0.877	0.921	0.880	0.907	4.24
74)		Di-n-butylphth...	1.096	1.079	1.105	1.189	1.076	1.131	1.076	1.107	3.71
75)	C	Fluoranthene	1.269	1.226	1.272	1.330	1.192	1.253	1.204	1.250	3.77
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.393	0.424	0.649	0.540	0.621	0.359	0.498	24.67
78)		Pyrene	1.295	1.329	1.316	1.392	1.242	1.281	1.230	1.298	4.24
79)	S	Terphenyl-d14	1.067	1.061	1.069	1.123	1.030	1.044	1.003	1.057	3.55
80)		Butylbenzylpht...	0.437	0.438	0.464	0.497	0.447	0.479	0.458	0.460	4.78
81)		Benzo(a)anthra...	1.280	1.239	1.285	1.353	1.238	1.291	1.253	1.277	3.15
82)		3,3'-Dichlorob...		0.418	0.431	0.458	0.423	0.443	0.420	0.432	3.58
83)		Chrysene	1.226	1.200	1.195	1.297	1.173	1.210	1.178	1.211	3.48
84)		Bis(2-ethylhex...	0.605	0.637	0.640	0.692	0.641	0.670	0.658	0.649	4.26
85)	c	Di-n-octyl pht...		1.055	1.050	1.153	1.073	1.125	1.089	1.091	3.74

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG100225.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.368	1.320	1.378	1.493	1.387	1.431	1.368	1.392	3.98
88)		Benzo(b)fluora...	1.077	1.084	1.171	1.212	1.142	1.169	1.109	1.138	4.40
89)		Benzo(k)fluora...	1.139	1.082	1.145	1.233	1.123	1.156	1.142	1.146	3.97
90)	C	Benzo(a)pyrene	1.017	0.999	1.059	1.122	1.031	1.075	1.037	1.049	3.91
91)		Dibenzo(a,h)an...	1.047	1.053	1.121	1.190	1.115	1.151	1.116	1.113	4.55
92)		Benzo(g,h,i)pe...	1.059	1.053	1.088	1.153	1.069	1.104	1.048	1.082	3.41

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064473.D
Acq On : 2 Oct 2025 9:01
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 02 16:52:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

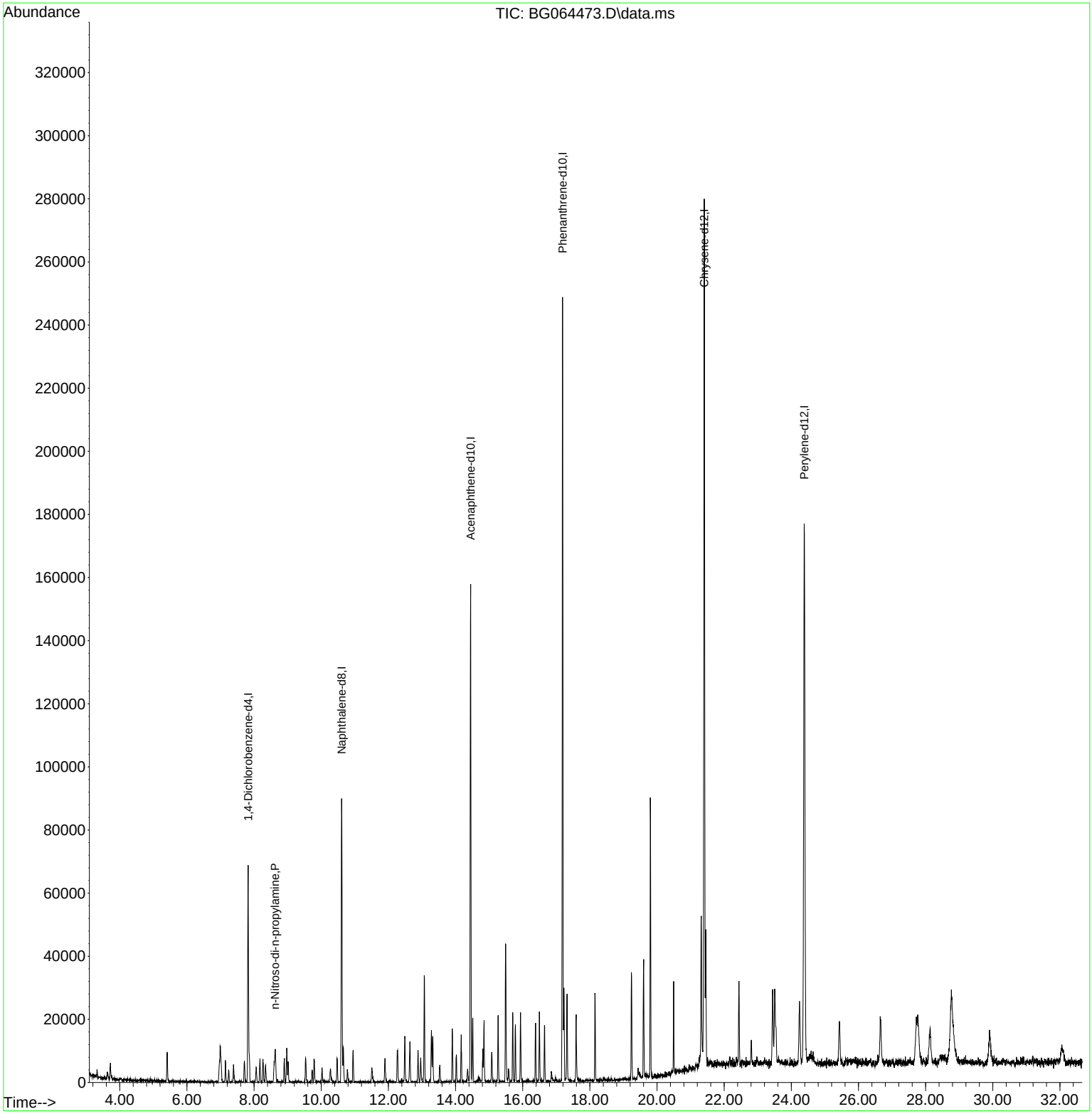
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.823	152	17107	20.000	ng	0.00
21) Naphthalene-d8	10.608	136	71471	20.000	ng	0.00
39) Acenaphthene-d10	14.450	164	55395	20.000	ng	0.00
64) Phenanthrene-d10	17.188	188	147655	20.000	ng	0.00
76) Chrysene-d12	21.407	240	159672	20.000	ng	0.00
86) Perylene-d12	24.386	264	165966	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.622	70	1739	2.093	ng	# 83

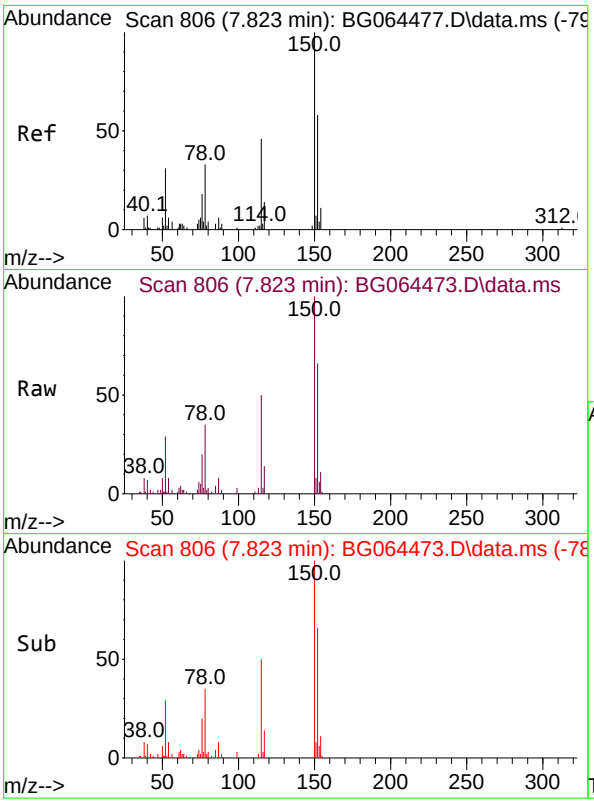
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064473.D
Acq On : 2 Oct 2025 9:01
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 02 16:52:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration



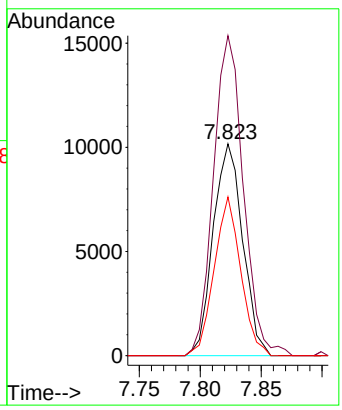


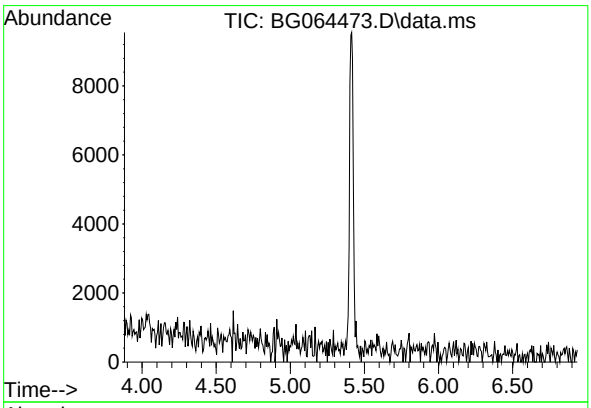
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.823 min Scan# 80
Delta R.T. 0.003 min
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 17107

Ion	Ratio	Lower	Upper
152	100		
150	151.1	138.6	207.8
115	75.0	63.4	95.2



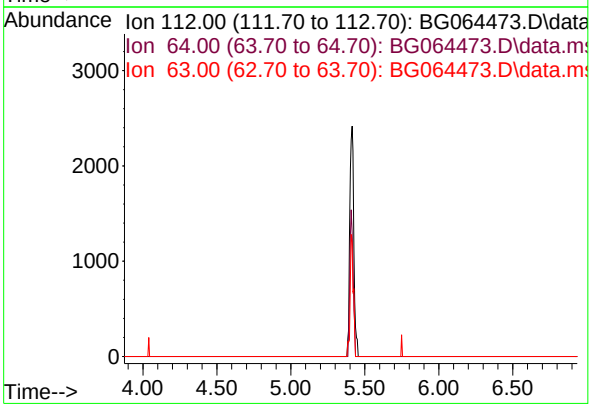


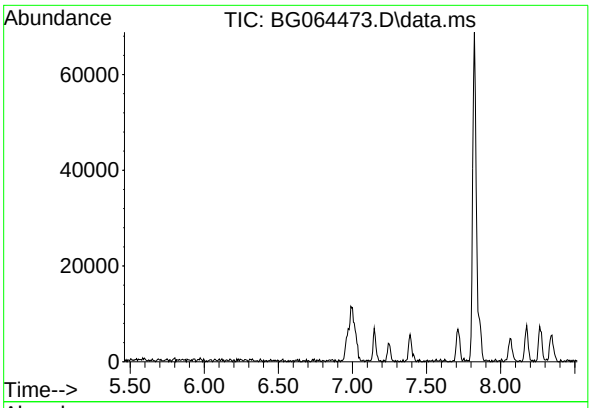
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.41 min

Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	62.3
63	39.1





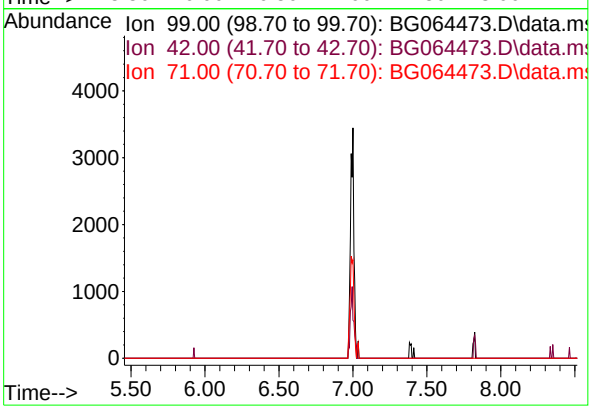
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.99 min

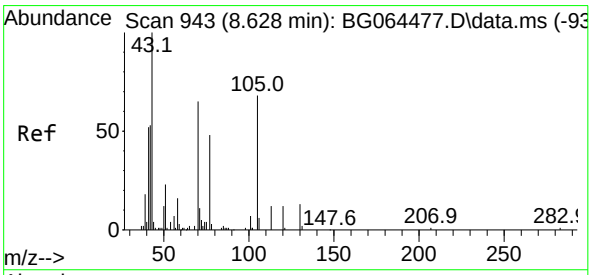
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	28.6
71	44.3

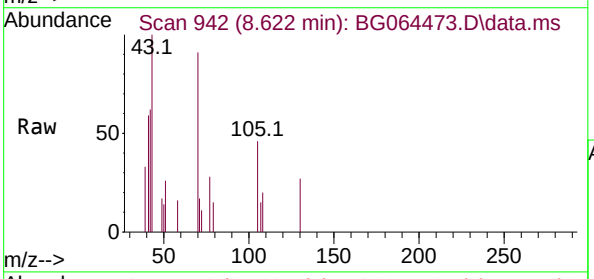


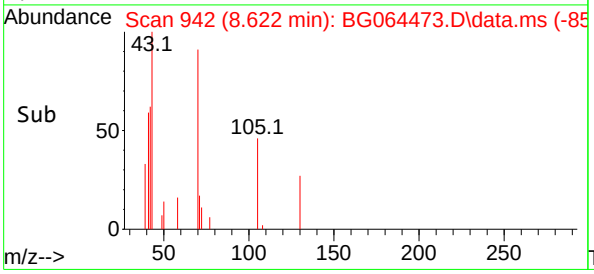


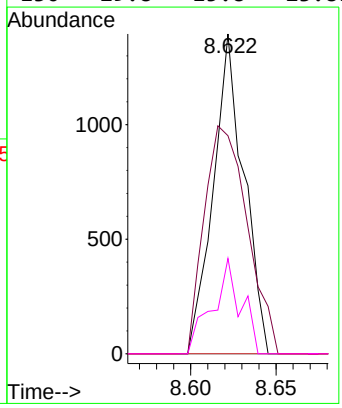
#19
n-Nitroso-di-n-propylamine
Concen: 2.093 ng
RT: 8.622 min Scan# 942
Delta R.T. 0.008 min
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

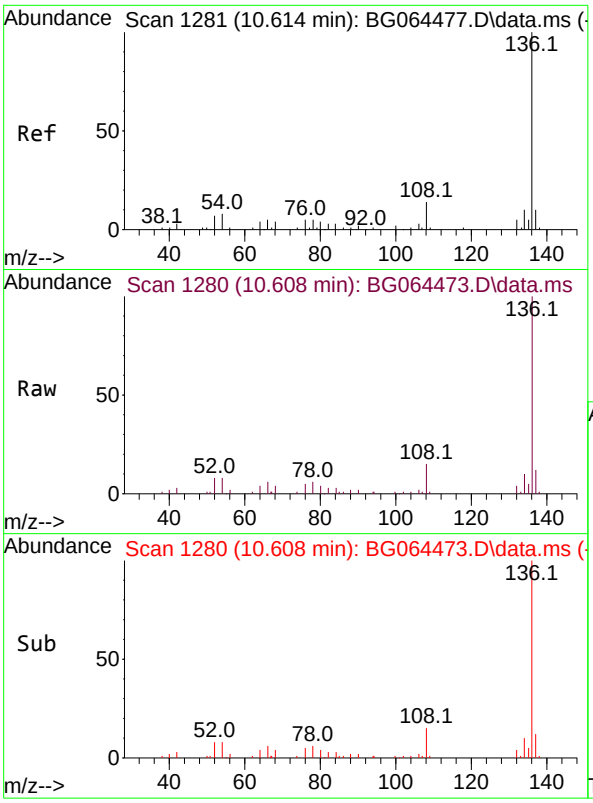
Tgt Ion: 70 Resp: 1739

Ion	Ratio	Lower	Upper
70	100		
42	68.2	64.9	97.3
101	0.0	8.7	13.1#
130	29.8	15.8	23.8#







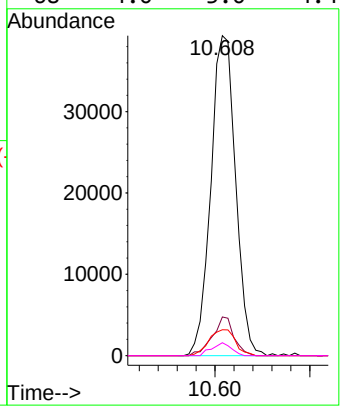


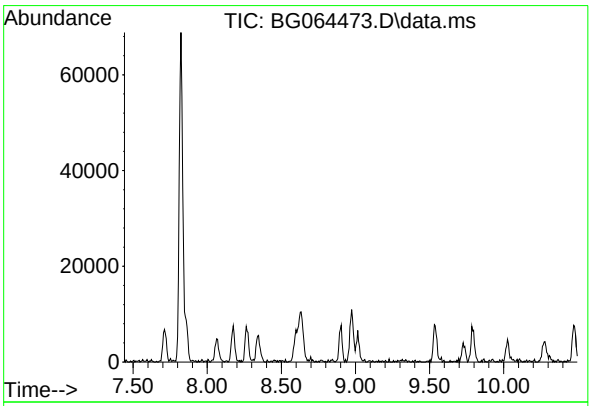
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.608 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 71471

Ion	Ratio	Lower	Upper
136	100		
137	12.1	8.3	12.5
54	8.1	6.2	9.4
68	4.0	3.0	4.4



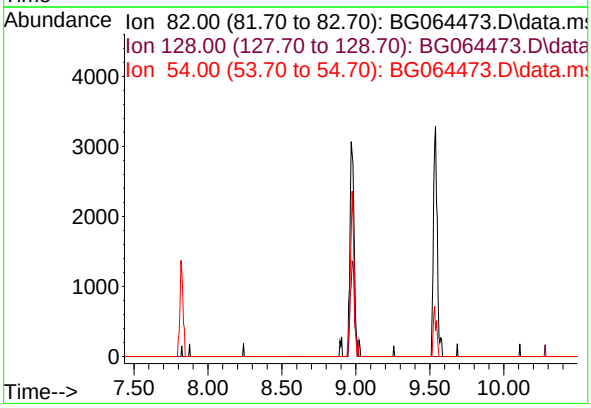


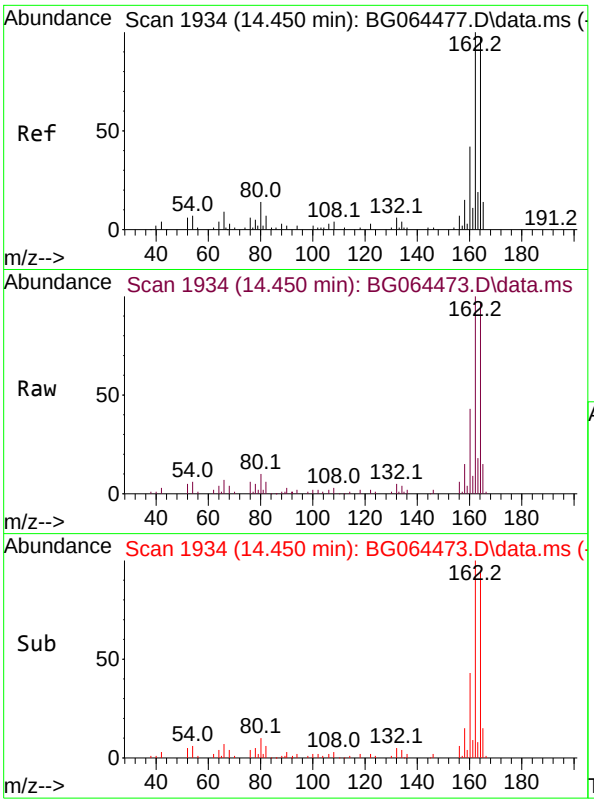
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.97 min

Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	41.4
54	69.3



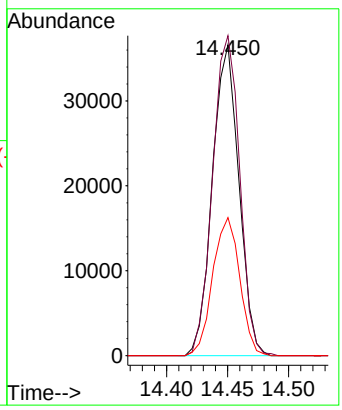


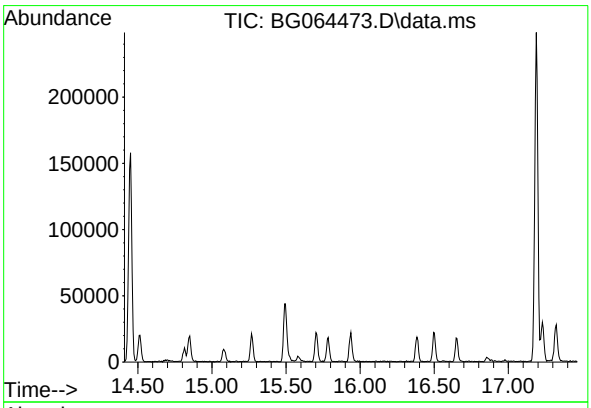
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.450 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 55395

Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.2	123.2
160	44.4	34.3	51.5



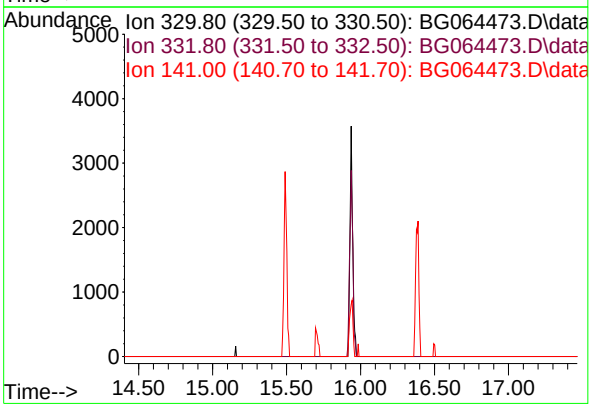


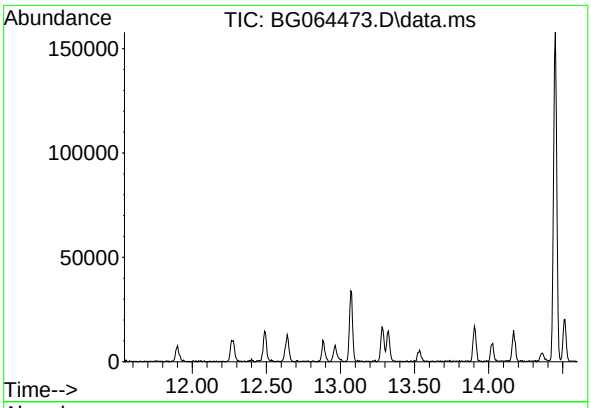
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.93 min

Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.7
141	32.2





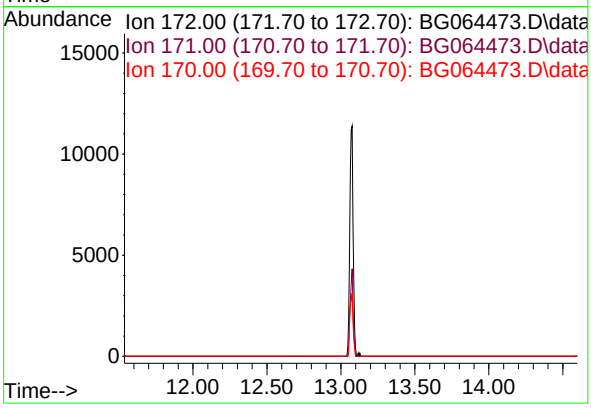
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.07 min

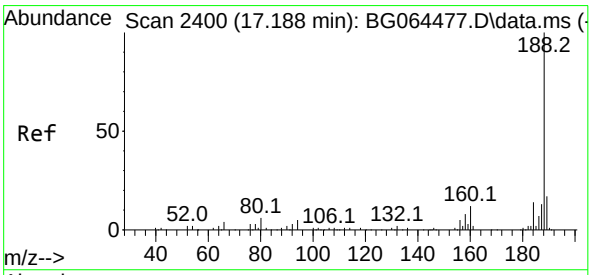
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

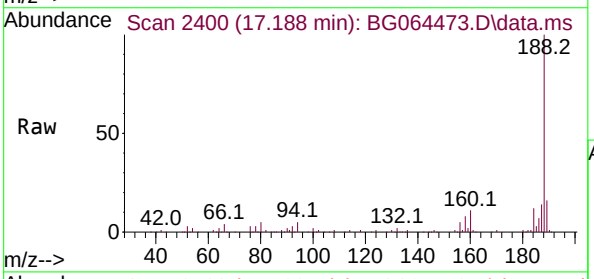
Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

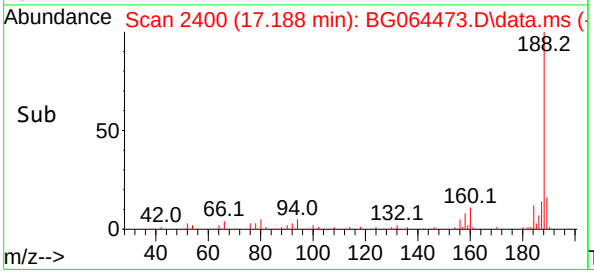
Tgt Ion: 172

Sig	Exp Ratio
172	100
171	37.0
170	25.2





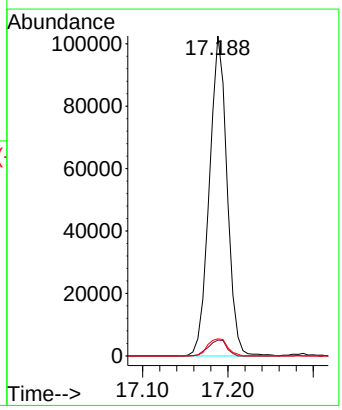


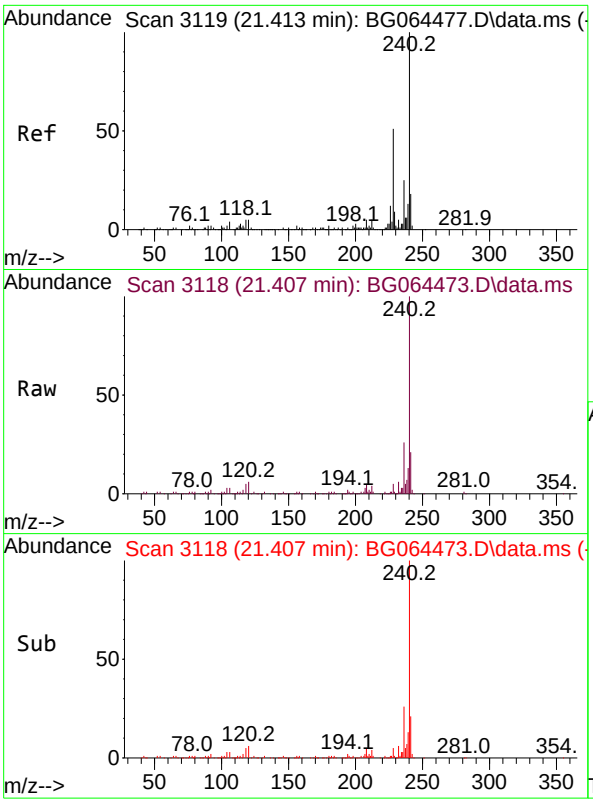


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.188 min Scan# 2400
Delta R.T. 0.002 min
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

Tgt Ion:188 Resp: 147655

Ion	Ratio	Lower	Upper
188	100		
94	4.9	3.7	5.5
80	5.3	4.5	6.7



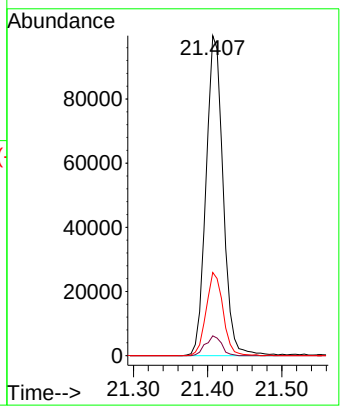


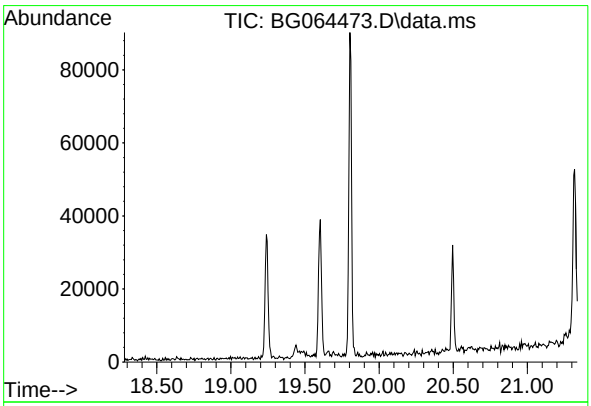
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.407 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 159672

Ion	Ratio	Lower	Upper
240	100		
120	6.2	4.3	6.5
236	26.0	20.4	30.6



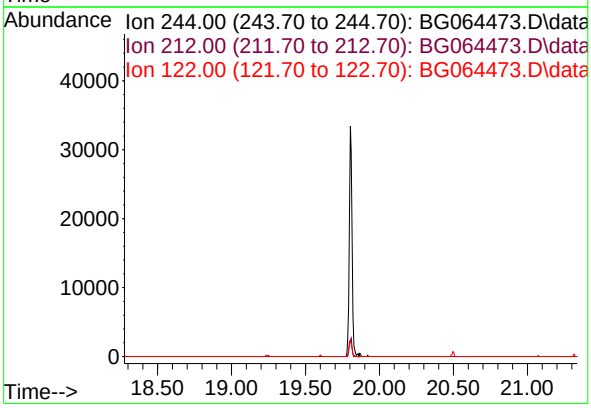


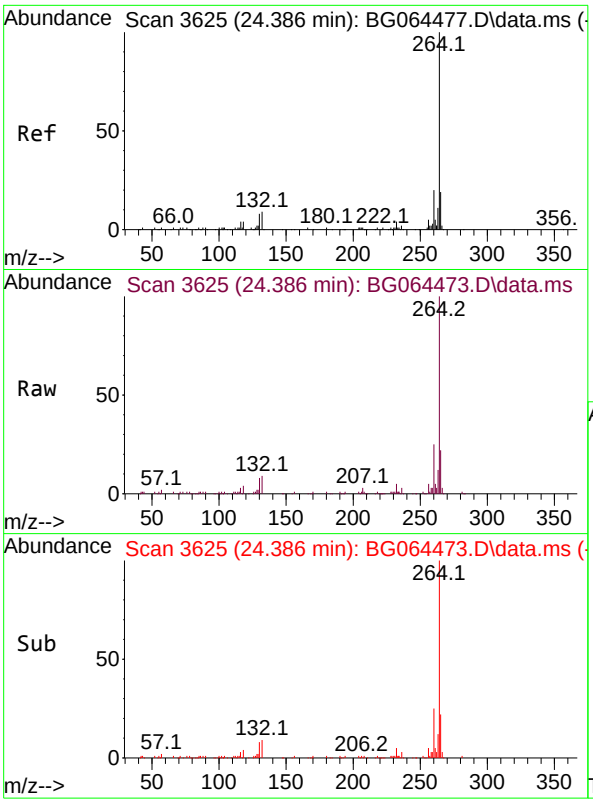
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.81 min

Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	8.8
122	7.0



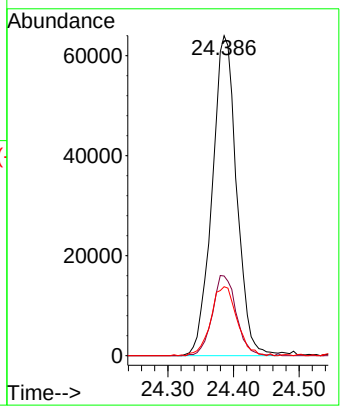


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.386 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 165966

Ion	Ratio	Lower	Upper
264	100		
260	24.9	16.2	24.4#
265	21.5	15.0	22.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064474.D
Acq On : 2 Oct 2025 9:42
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 02 16:52:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.823	152	17301	20.000	ng		0.00
21) Naphthalene-d8	10.608	136	74573	20.000	ng	#	0.00
39) Acenaphthene-d10	14.450	164	60732	20.000	ng		0.00
64) Phenanthrene-d10	17.188	188	155342	20.000	ng		0.00
76) Chrysene-d12	21.407	240	162684	20.000	ng		0.00
86) Perylene-d12	24.380	264	169977	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	9220	9.863	ng		0.00
7) Phenol-d6	6.994	99	12069	9.607	ng		0.00
23) Nitrobenzene-d5	8.974	82	13416	9.673	ng		0.00
42) 2,4,6-Tribromophenol	15.937	330	11056	10.043	ng		0.00
45) 2-Fluorobiphenyl	13.070	172	41153	9.988	ng		0.00
79) Terphenyl-d14	19.803	244	86764	10.093	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.322	88	2293	6.201	ng	#	92
3) Pyridine	3.716	79	5300	5.333	ng		93
6) Aniline	7.153	93	8273	5.221	ng		90
8) 2-Chlorophenol	7.394	128	6000	5.227	ng		85
10) Phenol	7.024	94	6564	4.953	ng		89
11) bis(2-Chloroethyl)ether	7.241	93	4832	5.384	ng		84
12) 1,3-Dichlorobenzene	7.717	146	6740	5.367	ng		95
13) 1,4-Dichlorobenzene	7.858	146	6514	5.169	ng		90
14) 1,2-Dichlorobenzene	8.169	146	6846	5.512	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.340	45	7441	5.144	ng		89
17) 2-Methylphenol	8.263	107	4780	4.981	ng	#	80
18) Hexachloroethane	8.904	117	2534	5.094	ng		87
19) n-Nitroso-di-n-propyla...	8.622	70	4362	5.192	ng	#	84
22) Acetophenone	8.634	105	8878	4.917	ng	#	94
24) Nitrobenzene	9.015	77	7504	5.426	ng	#	96
25) Isophorone	9.538	82	12523	4.984	ng		97
26) 2-Nitrophenol	9.726	139	3668	5.329	ng		97
27) 2,4-Dimethylphenol	9.791	122	5155	4.903	ng		88
28) bis(2-Chloroethoxy)met...	10.026	93	5971	4.662	ng		93
29) 2,4-Dichlorophenol	10.261	162	6029	4.959	ng	#	82
30) 1,2,4-Trichlorobenzene	10.478	180	7136	5.383	ng		90
31) Naphthalene	10.661	128	19808	5.158	ng	#	94
33) 4-Chloroaniline	10.772	127	7309	4.960	ng		96
34) Hexachlorobutadiene	10.948	225	6170	5.435	ng		98
36) 4-Chloro-3-methylphenol	11.894	107	7360	4.978	ng	#	82
37) 2-Methylnaphthalene	12.270	142	14601	4.953	ng		97
38) 1-Methylnaphthalene	12.488	142	15610	5.311	ng		89
40) 1,2,4,5-Tetrachloroben...	12.641	216	9451	4.820	ng		97
43) 2,4,6-Trichlorophenol	12.882	196	5944	4.742	ng		91
44) 2,4,5-Trichlorophenol	12.958	196	6843	4.890	ng	#	96
46) 1,1'-Biphenyl	13.287	154	21854	5.003	ng		88
47) 2-Chloronaphthalene	13.322	162	15278	4.685	ng		95
48) 2-Nitroaniline	13.528	65	4571	4.107	ng	#	93
49) Acenaphthylene	14.168	152	24156	4.990	ng		95
50) Dimethylphthalate	13.904	163	23745	4.992	ng	#	96
51) 2,6-Dinitrotoluene	14.021	165	4429	4.470	ng		94

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064474.D
Acq On : 2 Oct 2025 9:42
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 02 16:52:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	14.515	154	16816	5.000	ng		90
53) 3-Nitroaniline	14.356	138	4231	4.630	ng		83
55) Dibenzofuran	14.850	168	27888	5.022	ng	#	94
57) 2,4-Dinitrotoluene	14.809	165	7310	4.826	ng	#	92
58) Fluorene	15.496	166	23055	4.994	ng	#	92
59) 2,3,4,6-Tetrachlorophenol	15.073	232	6653	4.658	ng	#	96
60) Diethylphthalate	15.267	149	26525	5.198	ng		99
61) 4-Chlorophenyl-phenyle...	15.496	204	13144	5.215	ng		97
62) 4-Nitroaniline	15.514	138	3481	3.655	ng	#	88
63) Azobenzene	15.778	77	20327	5.144	ng		97
66) n-Nitrosodiphenylamine	15.702	169	20960	5.053	ng		98
67) 4-Bromophenyl-phenylether	16.383	248	9144	5.002	ng		88
68) Hexachlorobenzene	16.501	284	9929	4.747	ng		99
69) Atrazine	16.654	200	9189	4.979	ng		92
71) Phenanthrene	17.229	178	41639	5.126	ng		97
72) Anthracene	17.323	178	40568m	4.978	ng		
73) Carbazole	17.594	167	34305	4.870	ng		97
74) Di-n-butylphthalate	18.152	149	42564	4.950	ng		100
75) Fluoranthene	19.239	202	49301	5.080	ng		98
78) Pyrene	19.603	202	52677	4.989	ng		99
80) Butylbenzylphthalate	20.496	149	17773	4.749	ng		92
81) Benzo(a)anthracene	21.389	228	52066	5.012	ng		94
83) Chrysene	21.454	228	49843	5.060	ng		98
84) Bis(2-ethylhexyl)phtha...	21.319	149	24616	4.662	ng		100
87) Indeno(1,2,3-cd)pyrene	27.723	276	58114	4.912	ng	#	89
88) Benzo(b)fluoranthene	23.440	252	45779m	4.734	ng		
89) Benzo(k)fluoranthene	23.510	252	48402	4.970	ng		99
90) Benzo(a)pyrene	24.239	252	43216	4.849	ng	#	95
91) Dibenzo(a,h)anthracene	27.788	278	44497	4.703	ng	#	96
92) Benzo(g,h,i)perylene	28.769	276	45019	4.896	ng	#	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

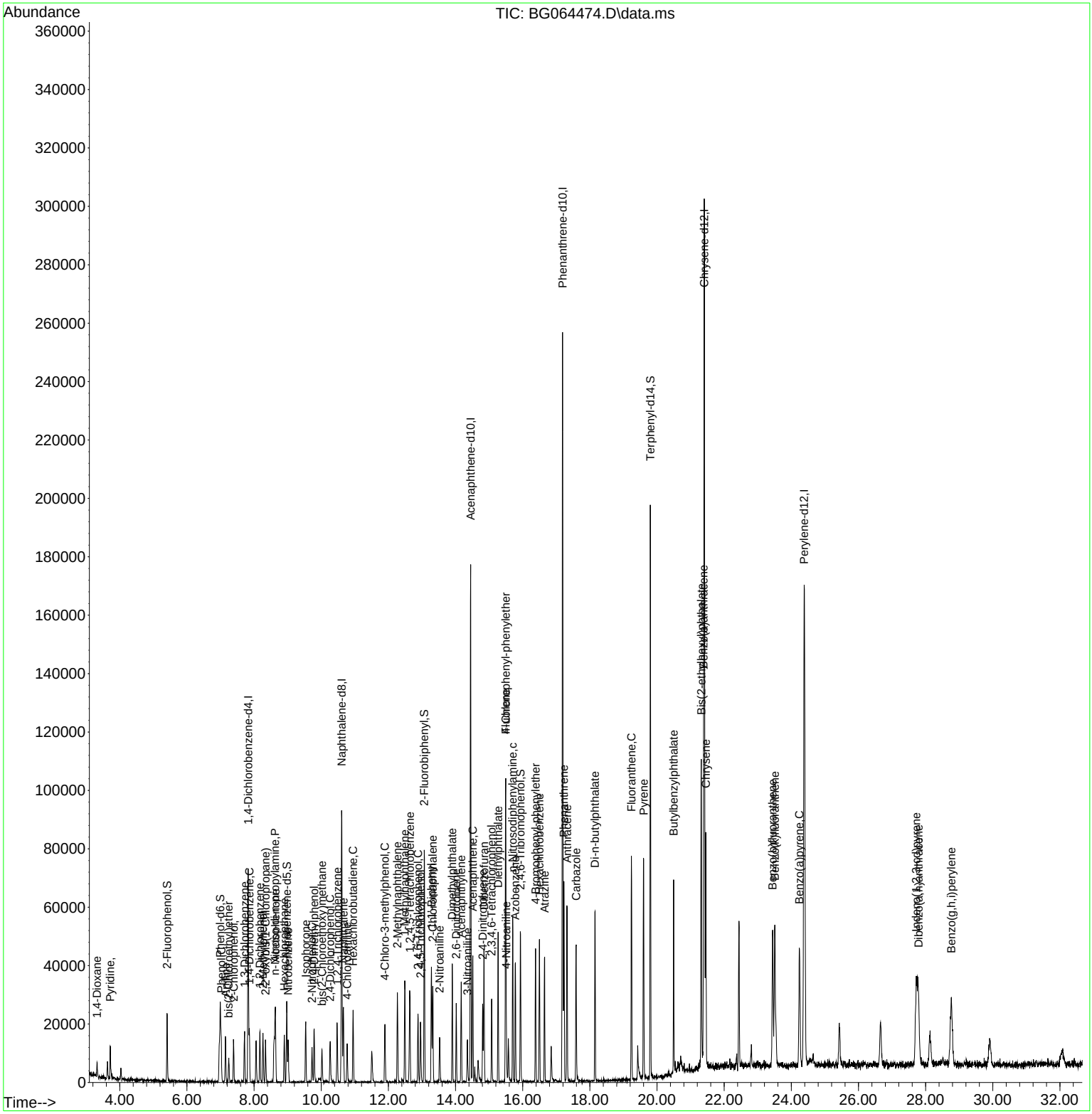
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064474.D
Acq On : 2 Oct 2025 9:42
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

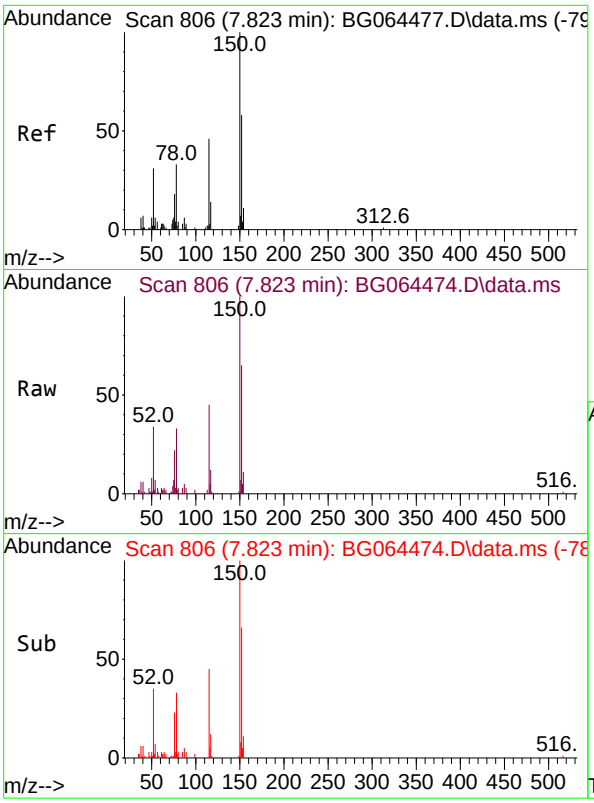
Quant Time: Oct 02 16:52:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

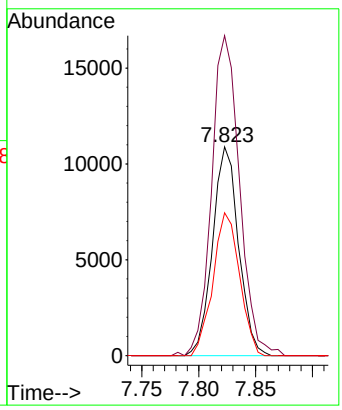




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.823 min Scan# 80
Delta R.T. 0.003 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:152 Resp: 17301

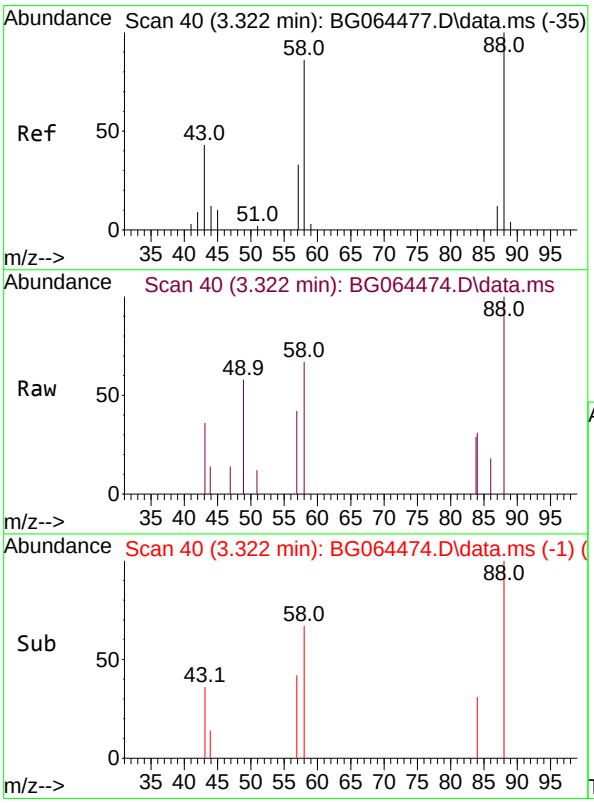
Ion	Ratio	Lower	Upper
152	100		
150	153.3	138.6	207.8
115	68.4	63.4	95.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

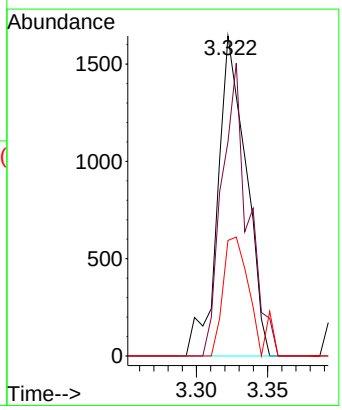
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

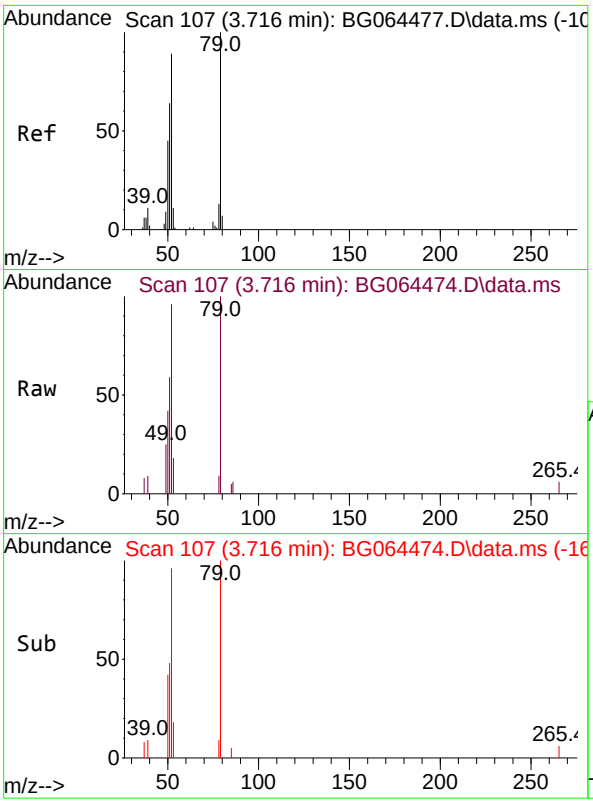


#2
1,4-Dioxane
Concen: 6.201 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion: 88 Resp: 2293

Ion	Ratio	Lower	Upper
88	100		
58	84.0	69.8	104.6
43	35.8	37.4	56.0#

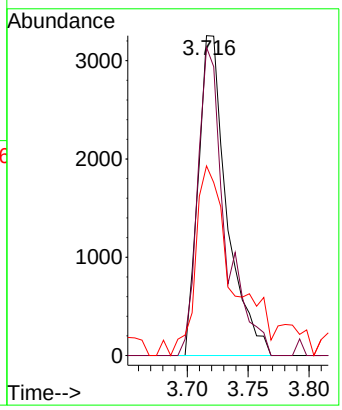




#3
Pyridine
Concen: 5.333 ng
RT: 3.716 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion: 79 Resp: 530

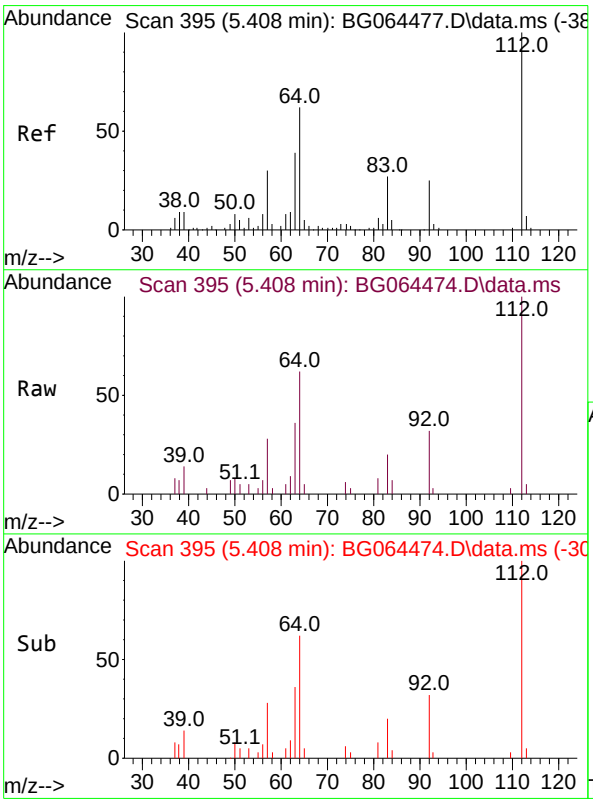
Ion	Ratio	Lower	Upper
79	100		
52	96.3	71.0	106.4
51	59.3	51.0	76.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

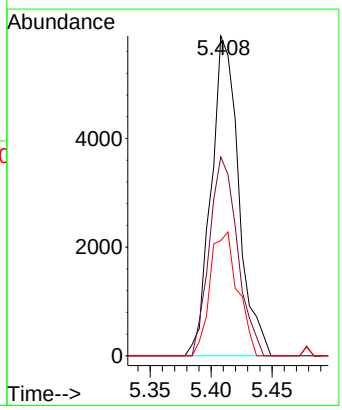
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

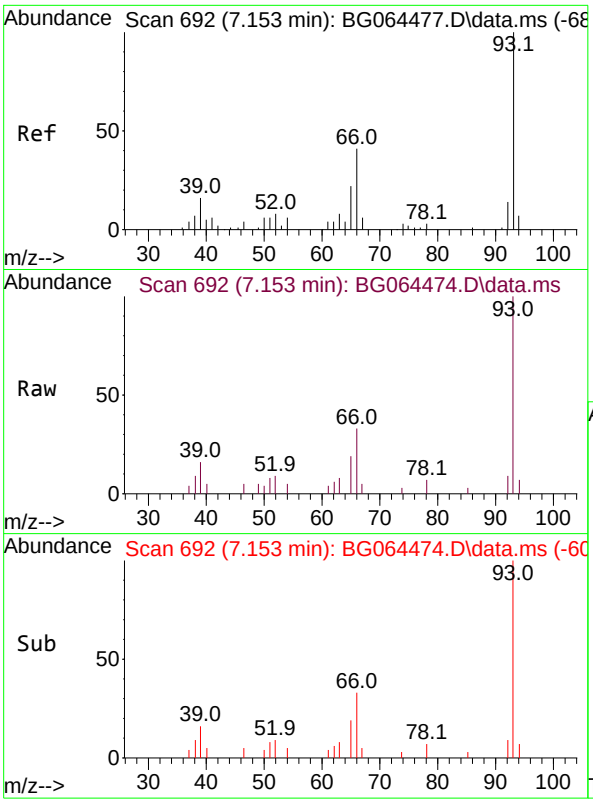


#5
2-Fluorophenol
Concen: 9.863 ng
RT: 5.408 min Scan# 395
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:112 Resp: 9220

Ion	Ratio	Lower	Upper
112	100		
64	62.2	49.8	74.8
63	36.0	31.3	46.9

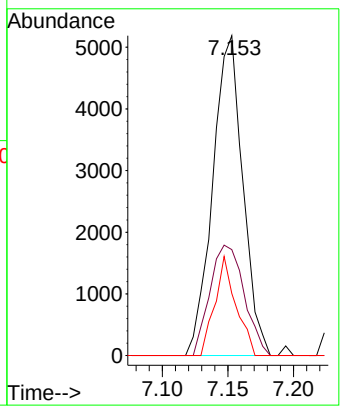




#6
Aniline
Concen: 5.221 ng
RT: 7.153 min Scan# 69
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion: 93 Resp: 827

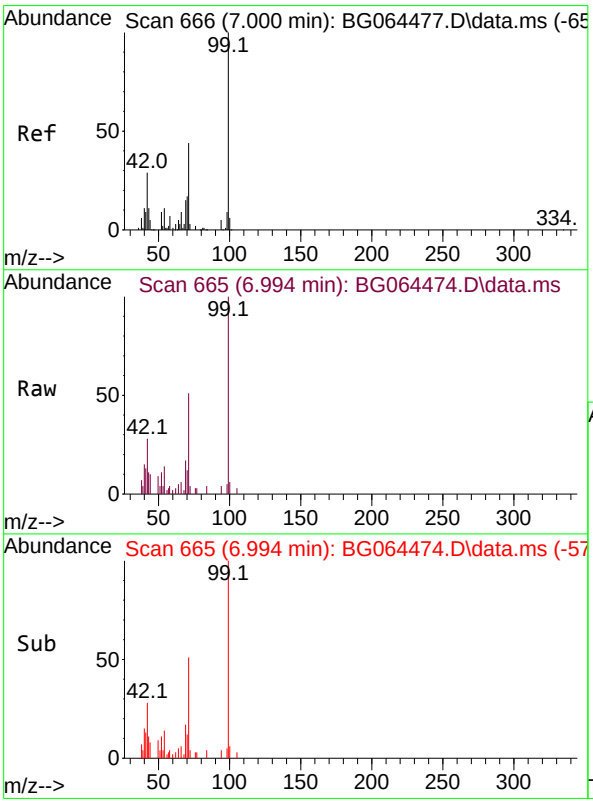
Ion	Ratio	Lower	Upper
93	100		
66	33.1	33.0	49.4
65	19.4	17.5	26.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

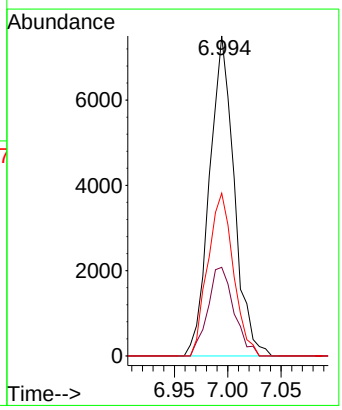
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

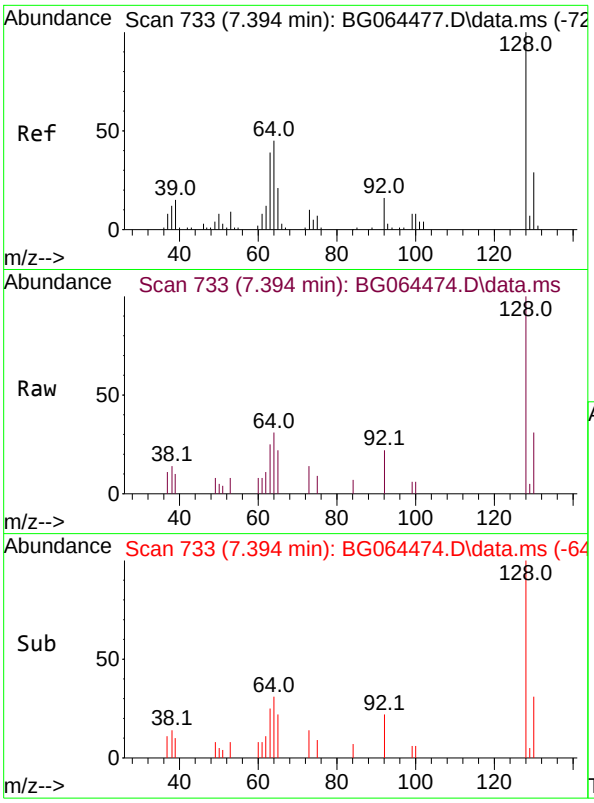


#7
Phenol-d6
Concen: 9.607 ng
RT: 6.994 min Scan# 665
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion: 99 Resp: 12069

Ion	Ratio	Lower	Upper
99	100		
42	27.7	22.9	34.3
71	50.8	35.4	53.2

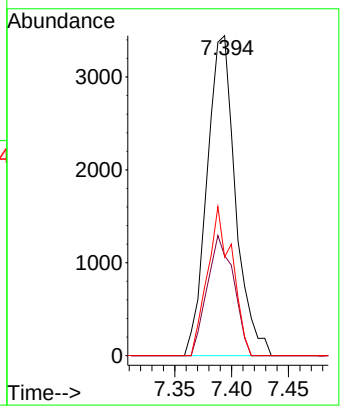




#8
2-Chlorophenol
Concen: 5.227 ng
RT: 7.394 min Scan# 7
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:128 Resp: 600

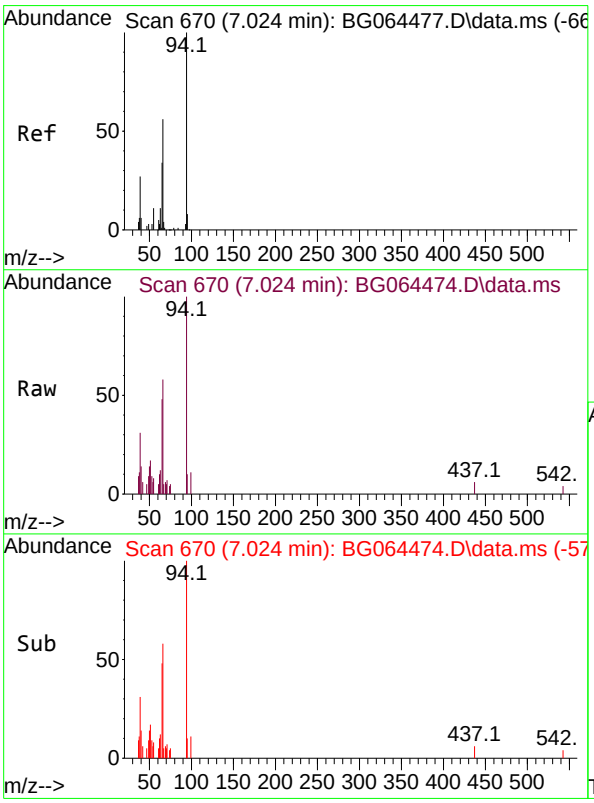
Ion	Ratio	Lower	Upper
128	100		
130	31.3	9.2	49.2
64	30.8	25.5	65.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

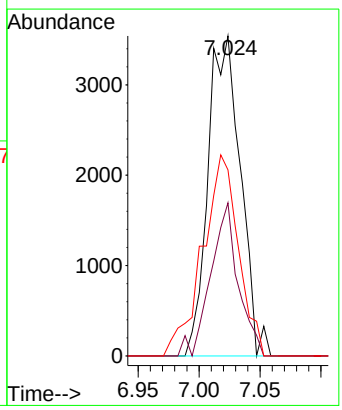
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

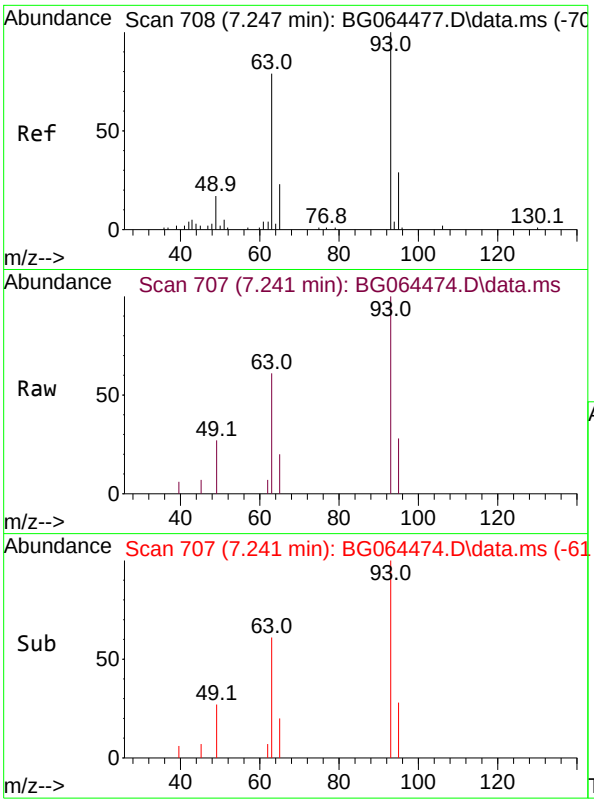


#10
Phenol
Concen: 4.953 ng
RT: 7.024 min Scan# 670
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion: 94 Resp: 6564

Ion	Ratio	Lower	Upper
94	100		
65	47.8	14.8	54.8
66	58.1	41.4	81.4

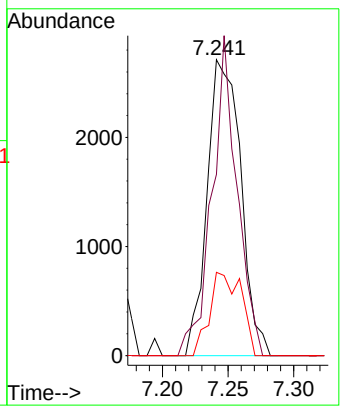




#11
bis(2-Chloroethyl)ether
Concen: 5.384 ng
RT: 7.241 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion: 93 Resp: 483

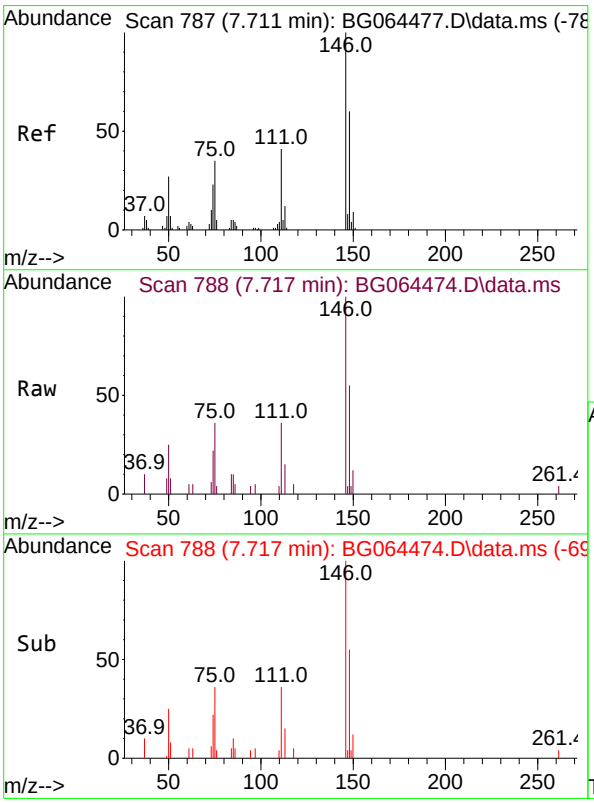
Ion	Ratio	Lower	Upper
93	100		
63	61.2	59.5	99.5
95	28.2	8.8	48.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

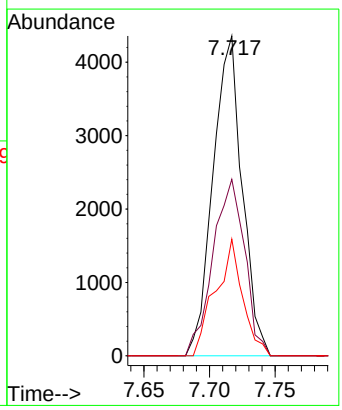
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

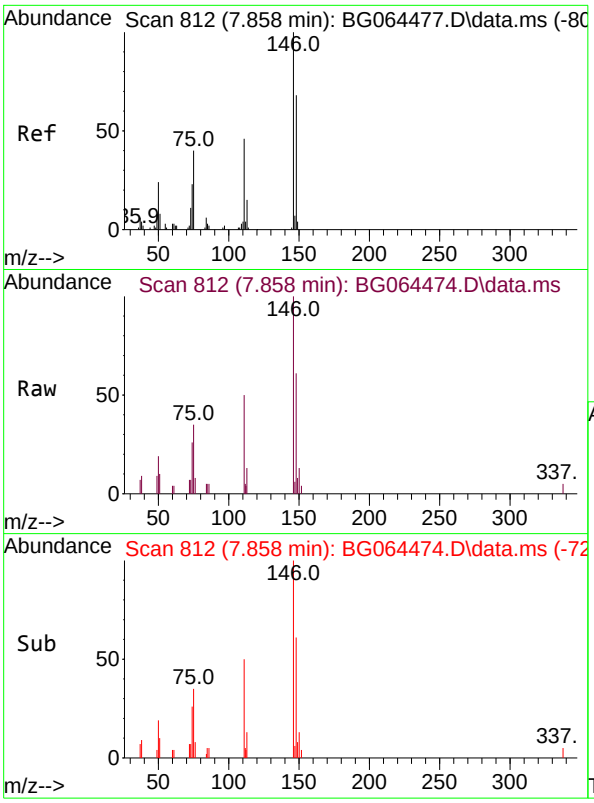


#12
1,3-Dichlorobenzene
Concen: 5.367 ng
RT: 7.717 min Scan# 788
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:146 Resp: 6740

Ion	Ratio	Lower	Upper
146	100		
148	55.2	48.4	72.6
75	36.5	28.3	42.5

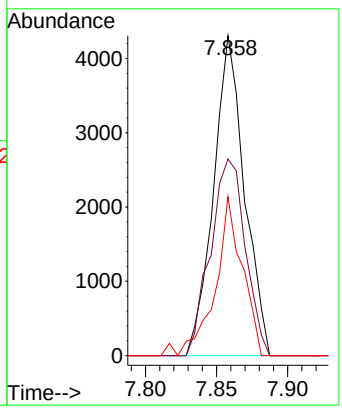




#13
1,4-Dichlorobenzene
Concen: 5.169 ng
RT: 7.858 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:146 Resp: 651

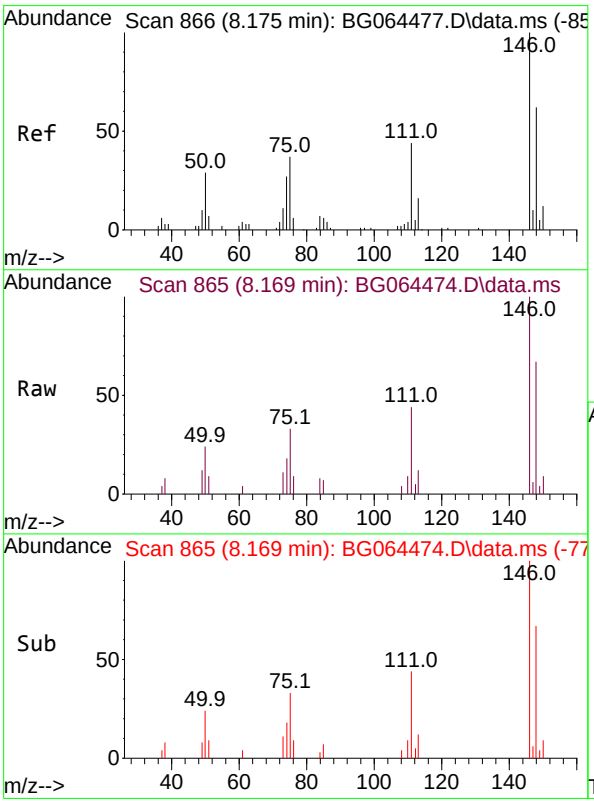
Ion	Ratio	Lower	Upper
146	100		
148	61.4	54.4	81.6
111	54.2	36.5	54.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

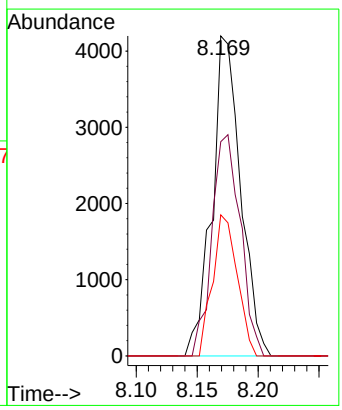
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

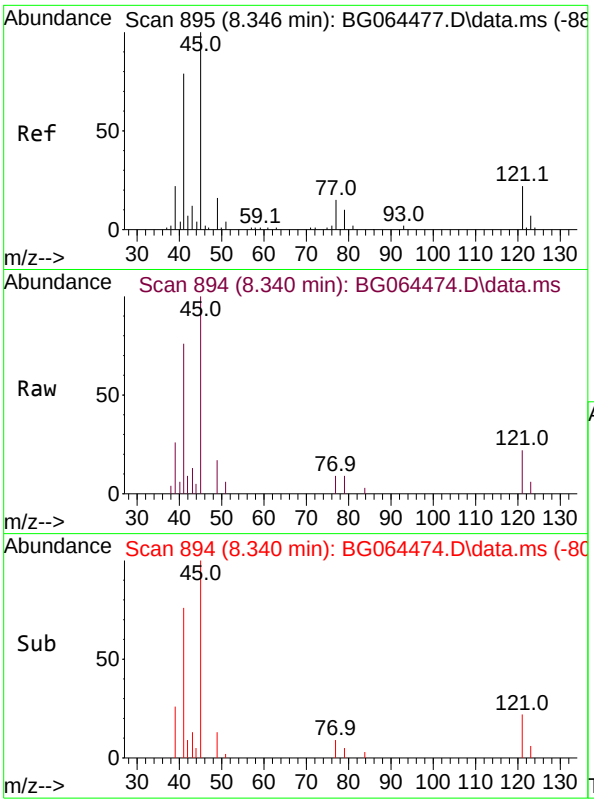


#14
1,2-Dichlorobenzene
Concen: 5.512 ng
RT: 8.169 min Scan# 865
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:146 Resp: 6846

Ion	Ratio	Lower	Upper
146	100		
148	66.9	50.0	75.0
111	44.1	35.0	52.4





#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.144 ng
RT: 8.340 min Scan# 89
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

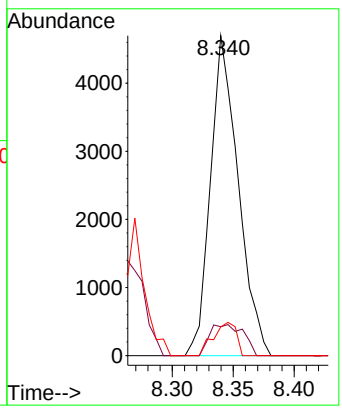
Tgt Ion: 45 Resp: 7441

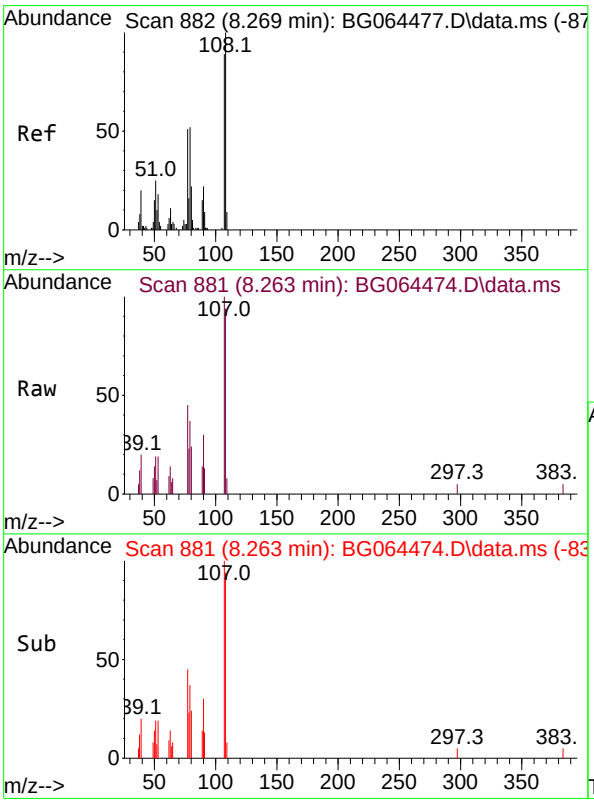
Ion	Ratio	Lower	Upper
45	100		
77	9.0	0.0	35.6
79	9.0	0.0	30.7

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

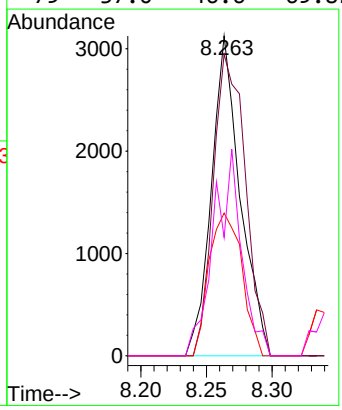


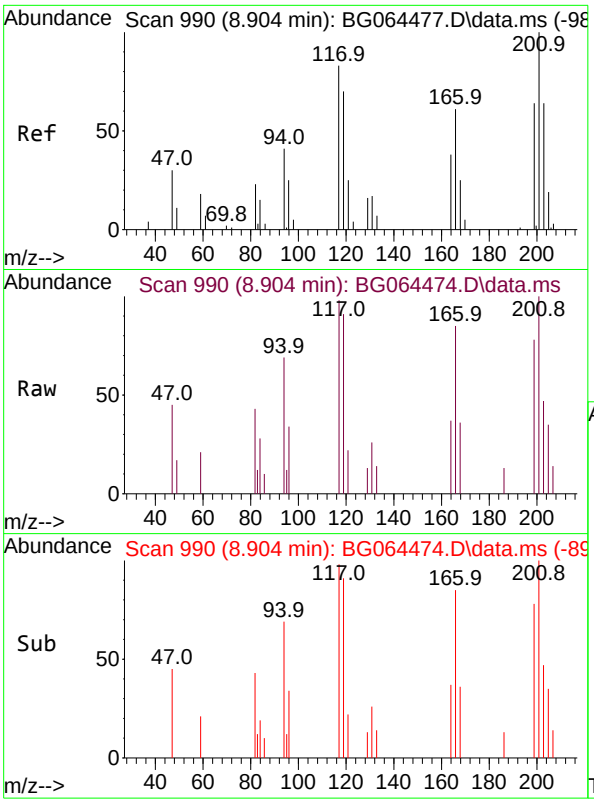


#17
2-Methylphenol
Concen: 4.981 ng
RT: 8.263 min Scan# 881
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:107 Resp: 4780

Ion	Ratio	Lower	Upper
107	100		
108	94.3	90.3	135.5
77	44.6	46.0	69.0#
79	37.0	46.6	69.8#

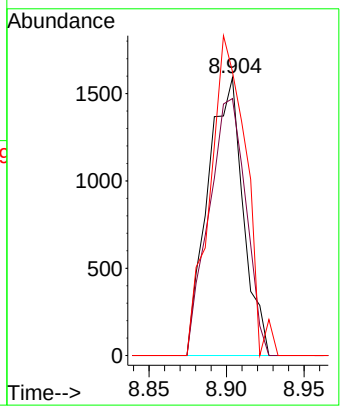




#18
Hexachloroethane
Concen: 5.094 ng
RT: 8.904 min Scan# 99
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:117 Resp: 253

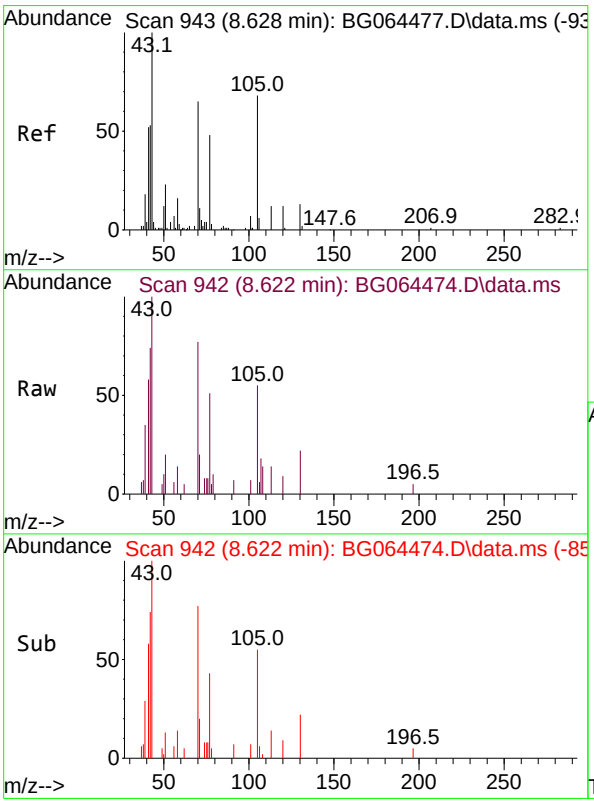
Ion	Ratio	Lower	Upper
117	100		
119	92.5	67.4	101.0
201	102.2	95.9	143.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

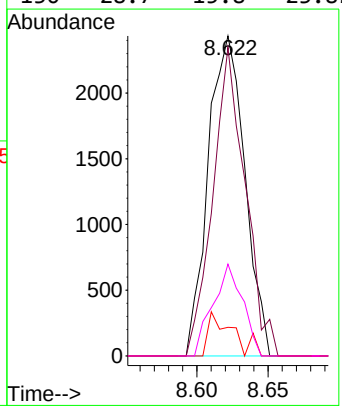
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

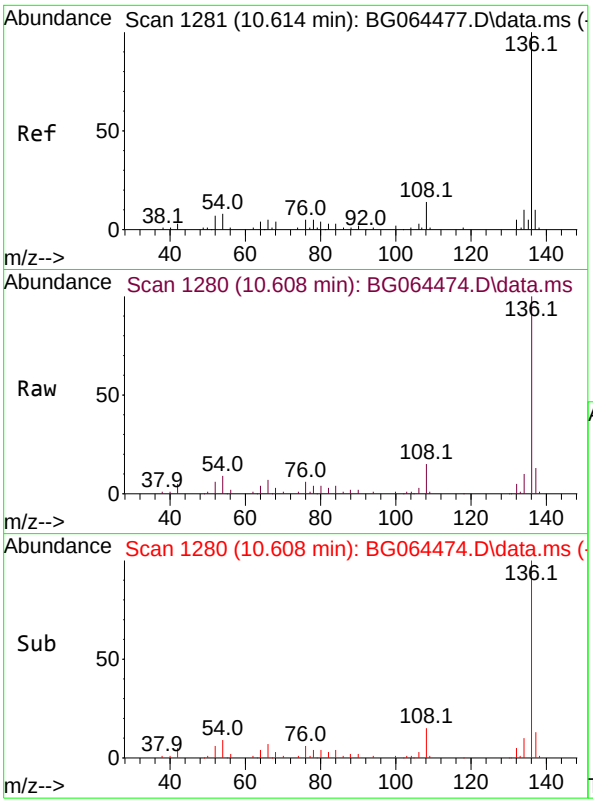


#19
n-Nitroso-di-n-propylamine
Concen: 5.192 ng
RT: 8.622 min Scan# 942
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion: 70 Resp: 4362

Ion	Ratio	Lower	Upper
70	100		
42	96.4	64.9	97.3
101	8.9	8.7	13.1
130	28.7	15.8	23.8#

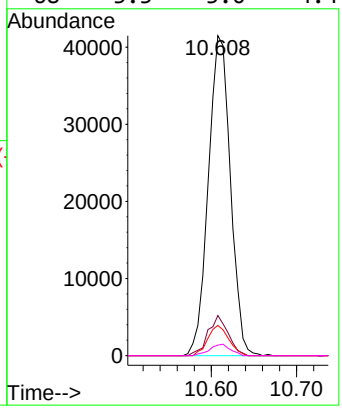




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.608 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:136 Resp: 7457

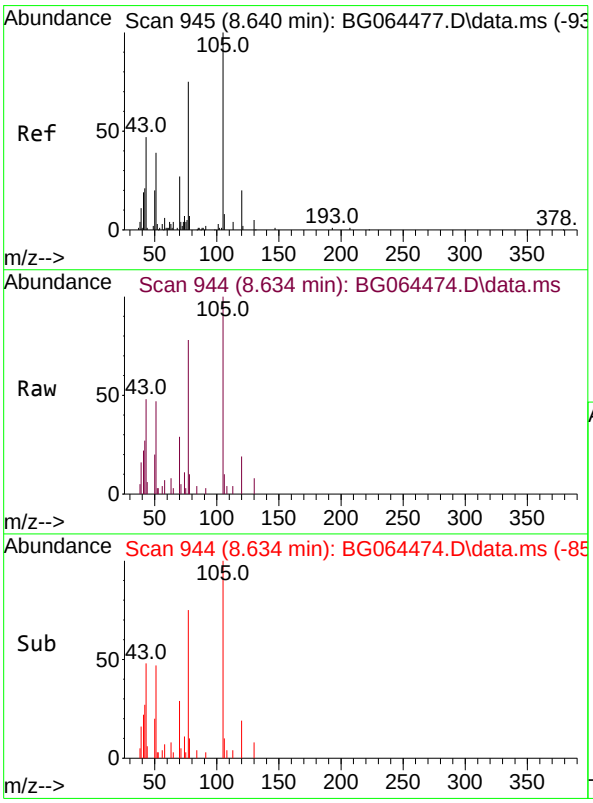
Ion	Ratio	Lower	Upper
136	100		
137	12.5	8.3	12.5#
54	9.4	6.2	9.4#
68	3.3	3.0	4.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

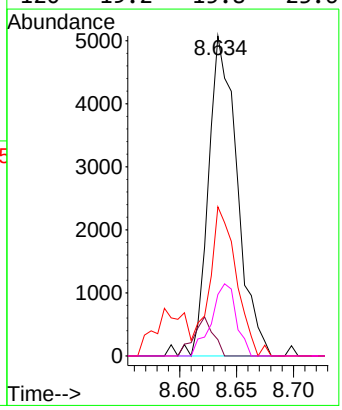
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

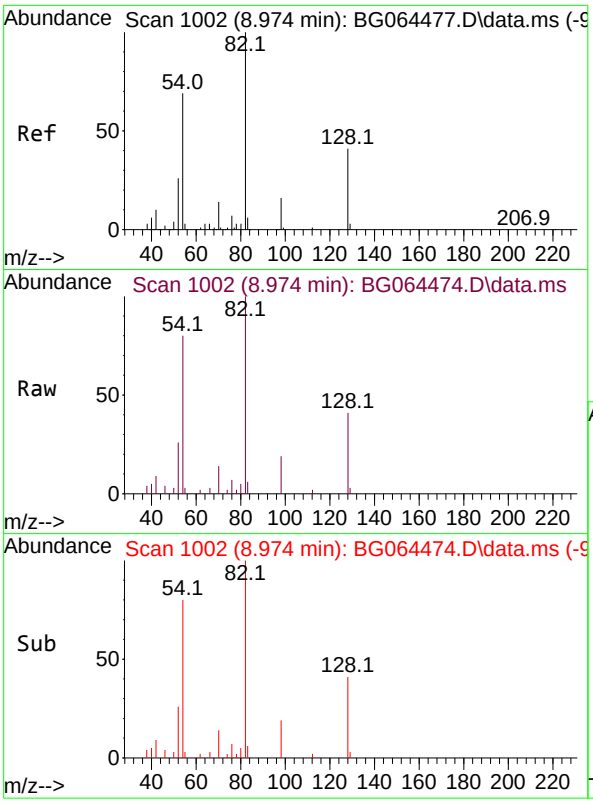


#22
Acetophenone
Concen: 4.917 ng
RT: 8.634 min Scan# 944
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:105 Resp: 8878

Ion	Ratio	Lower	Upper
105	100		
71	5.1	2.8	4.2#
51	46.6	33.0	49.4
120	19.2	15.8	23.6

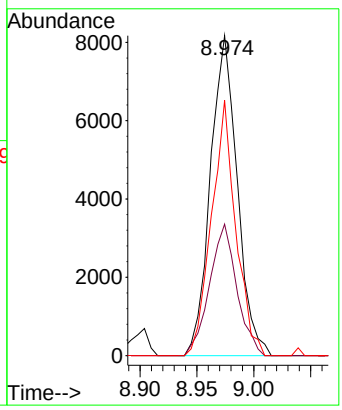




#23
Nitrobenzene-d5
Concen: 9.673 ng
RT: 8.974 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion: 82 Resp: 1341

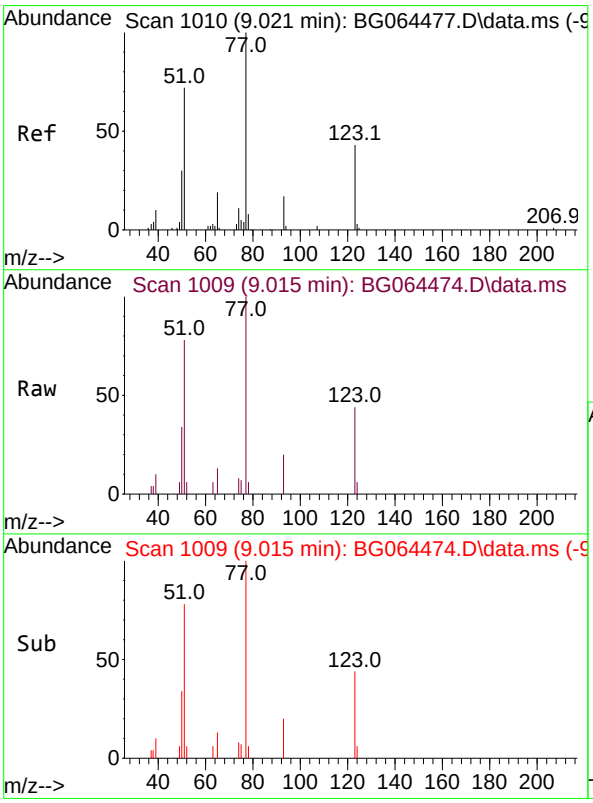
Ion	Ratio	Lower	Upper
82	100		
128	41.1	33.1	49.7
54	79.8	55.4	83.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

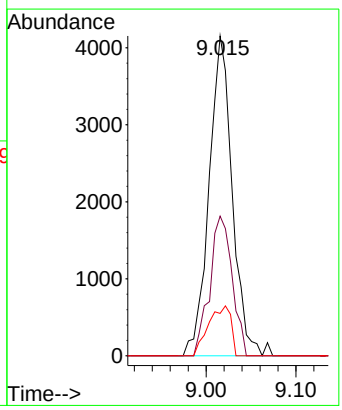
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

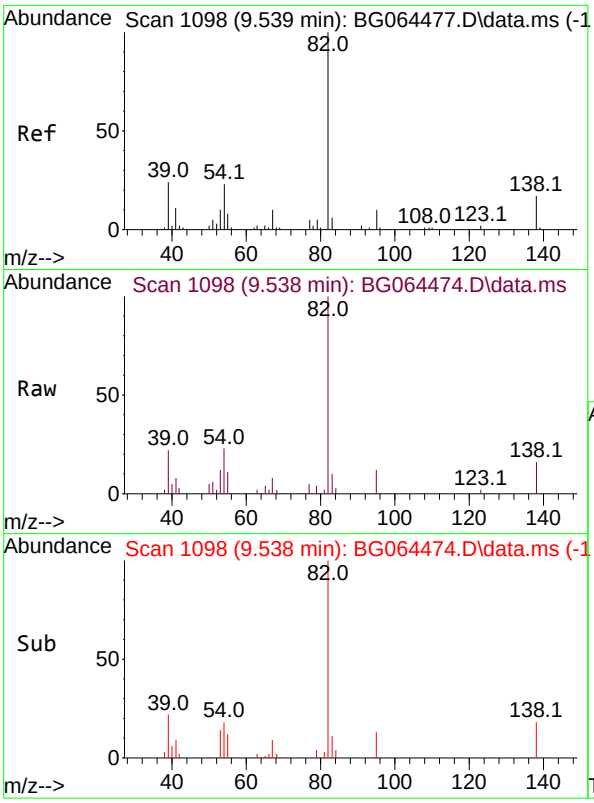


#24
Nitrobenzene
Concen: 5.426 ng
RT: 9.015 min Scan# 1009
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion: 77 Resp: 7504

Ion	Ratio	Lower	Upper
77	100		
123	43.7	34.4	51.6
65	13.3	14.8	22.2#

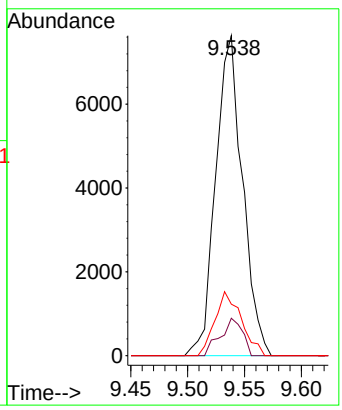




#25
Isophorone
Concen: 4.984 ng
RT: 9.538 min Scan# 10
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion: 82 Resp: 1252

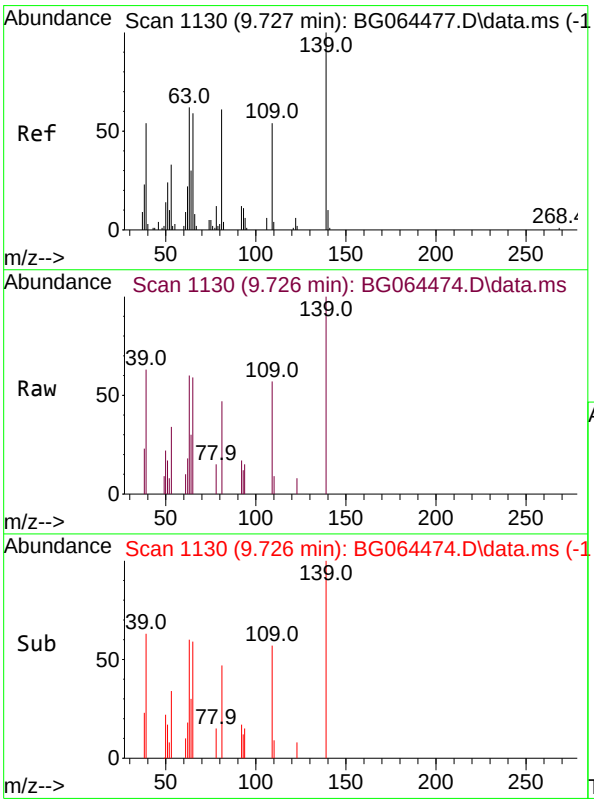
Ion	Ratio	Lower	Upper
82	100		
95	11.7	7.8	11.8
138	16.1	13.8	20.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

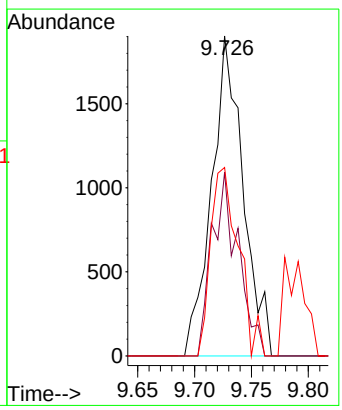
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

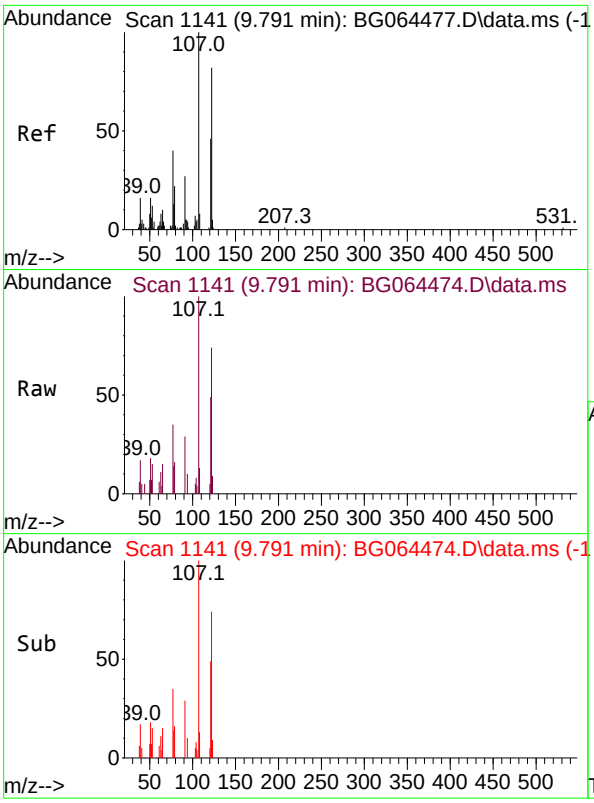


#26
2-Nitrophenol
Concen: 5.329 ng
RT: 9.726 min Scan# 1130
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:139 Resp: 3668

Ion	Ratio	Lower	Upper
139	100		
109	57.4	43.0	64.6
65	58.9	47.4	71.2

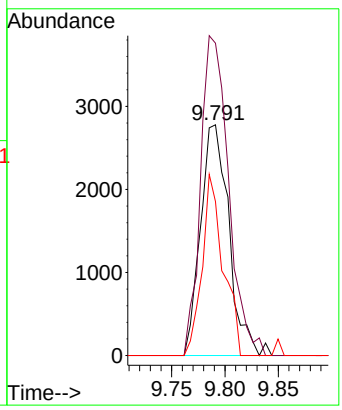




#27
2,4-Dimethylphenol
Concen: 4.903 ng
RT: 9.791 min Scan# 11
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:122 Resp: 515

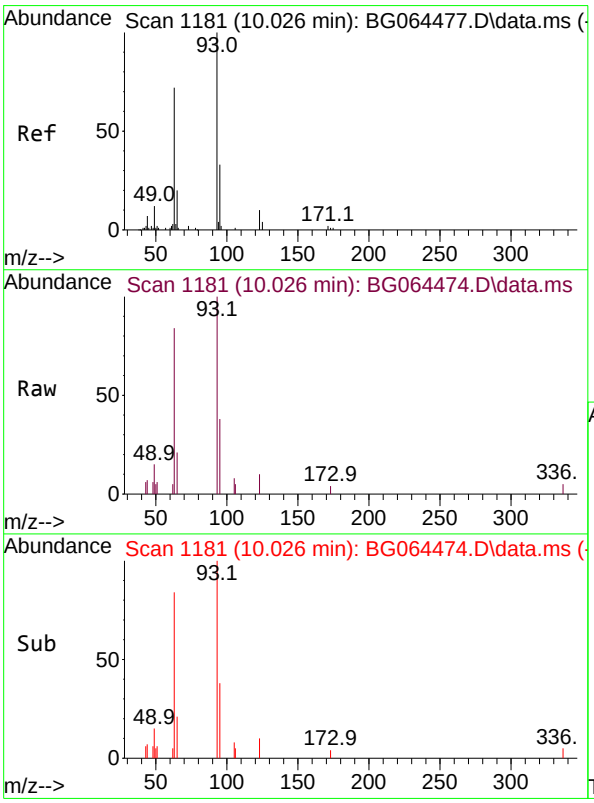
Ion	Ratio	Lower	Upper
122	100		
107	135.4	98.3	147.5
121	66.7	44.7	67.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

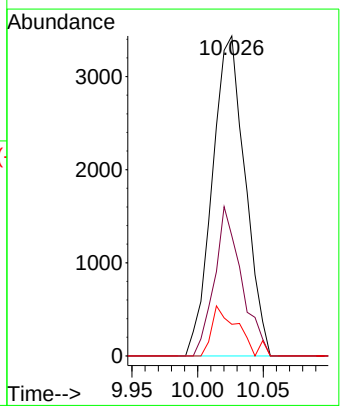
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

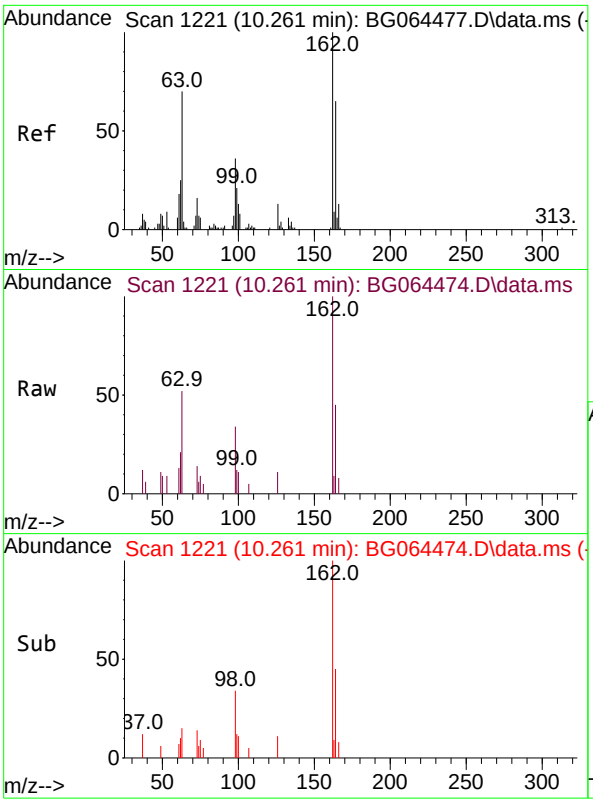


#28
bis(2-Chloroethoxy)methane
Concen: 4.662 ng
RT: 10.026 min Scan# 1181
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion: 93 Resp: 5971

Ion	Ratio	Lower	Upper
93	100		
95	37.5	26.5	39.7
123	9.9	8.9	13.3

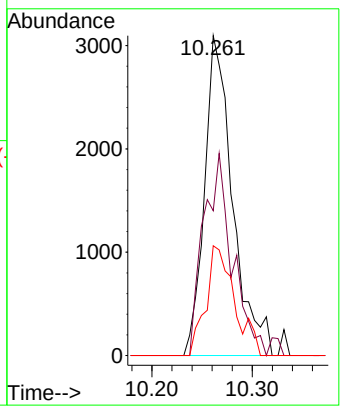




#29
2,4-Dichlorophenol
Concen: 4.959 ng
RT: 10.261 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:162 Resp: 602

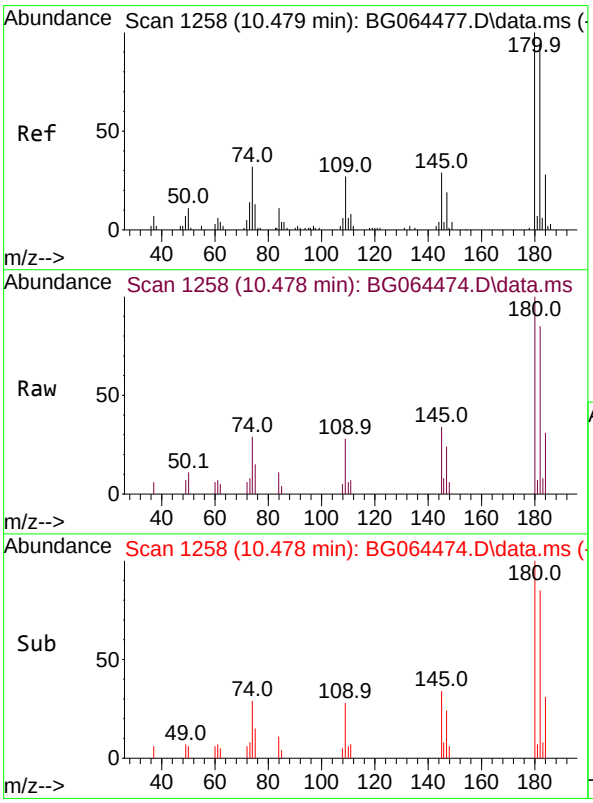
Ion	Ratio	Lower	Upper
162	100		
164	45.3	45.4	85.4
98	34.3	16.4	56.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

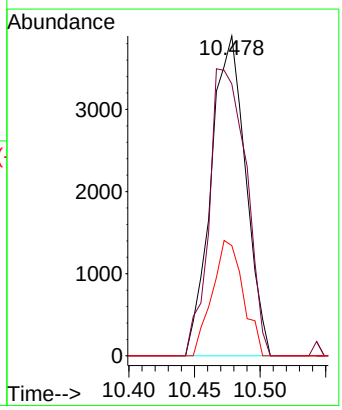
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

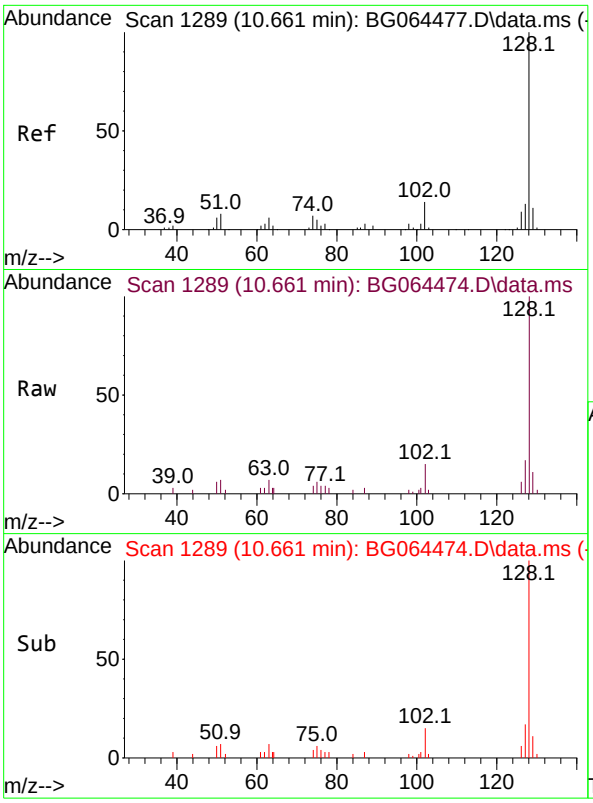


#30
1,2,4-Trichlorobenzene
Concen: 5.383 ng
RT: 10.478 min Scan# 1258
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:180 Resp: 7136

Ion	Ratio	Lower	Upper
180	100		
182	85.0	75.4	113.2
145	34.5	23.2	34.8

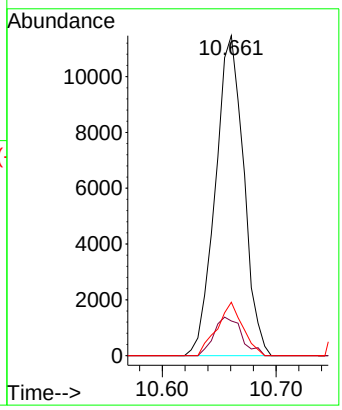




#31
Naphthalene
Concen: 5.158 ng
RT: 10.661 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:128 Resp: 1980

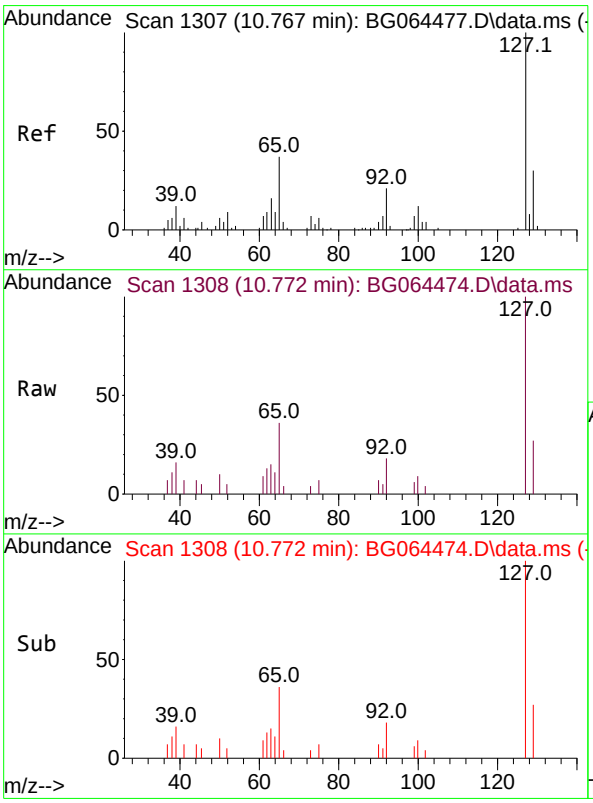
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	16.7	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

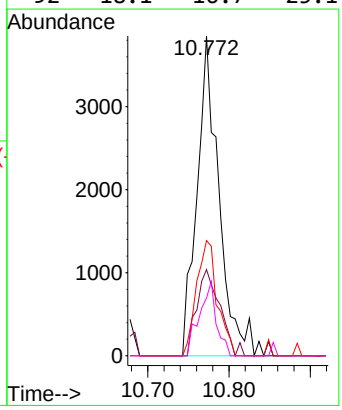
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

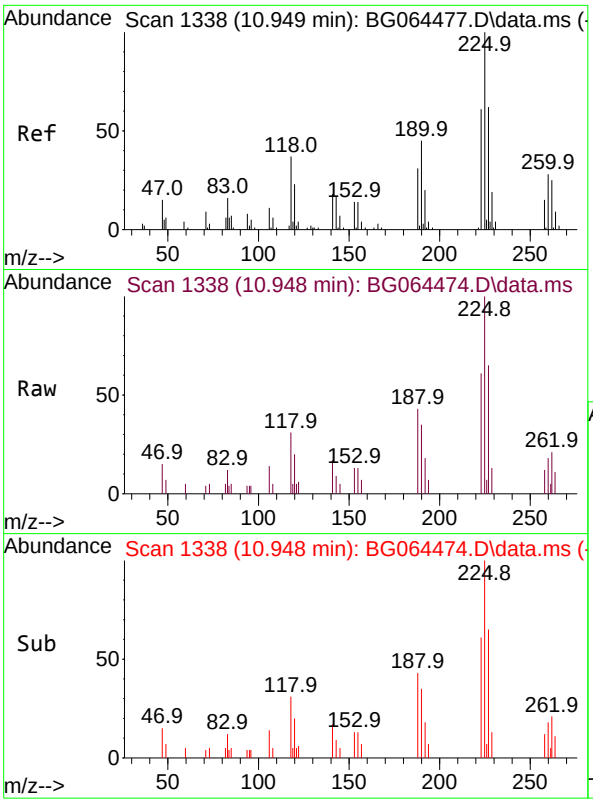


#33
4-Chloroaniline
Concen: 4.960 ng
RT: 10.772 min Scan# 1308
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:127 Resp: 7309

Ion	Ratio	Lower	Upper
127	100		
129	26.9	24.2	36.4
65	36.0	29.6	44.4
92	18.1	16.7	25.1

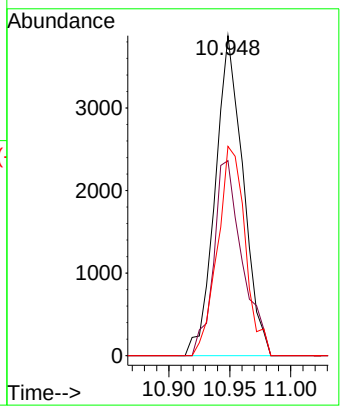




#34
Hexachlorobutadiene
Concen: 5.435 ng
RT: 10.948 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:225 Resp: 617

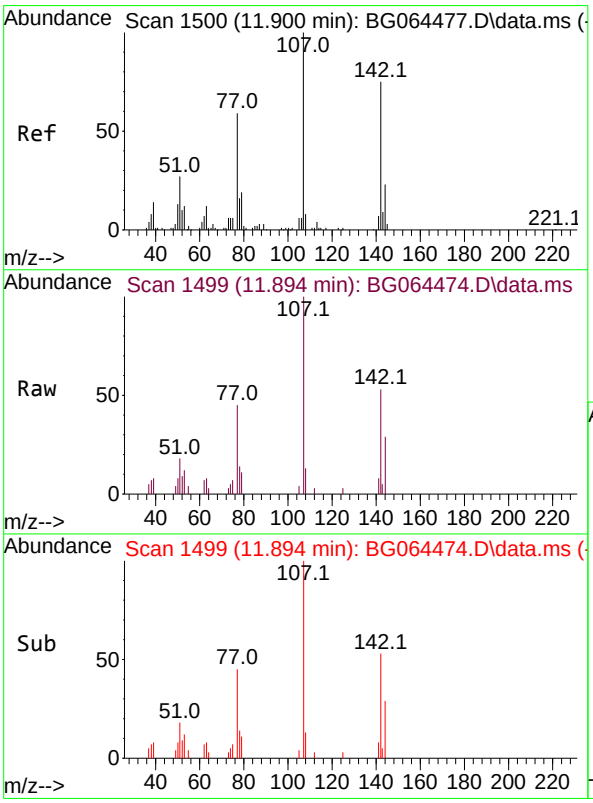
Ion	Ratio	Lower	Upper
225	100		
223	60.9	49.0	73.6
227	65.4	49.9	74.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

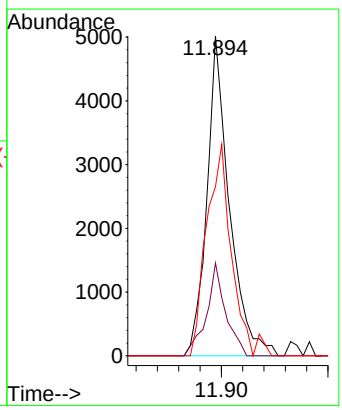
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

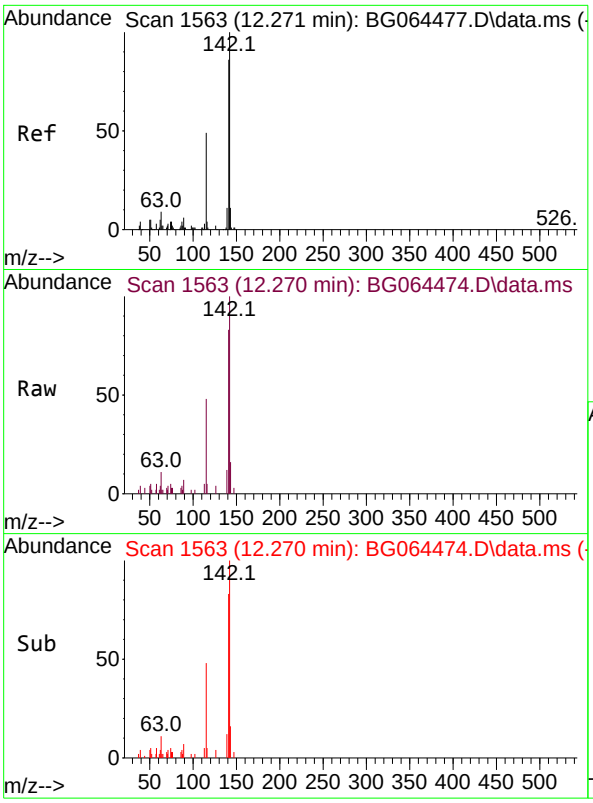


#36
4-Chloro-3-methylphenol
Concen: 4.978 ng
RT: 11.894 min Scan# 1499
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:107 Resp: 7360

Ion	Ratio	Lower	Upper
107	100		
144	29.0	18.7	28.1#
142	58.3	60.2	90.2#

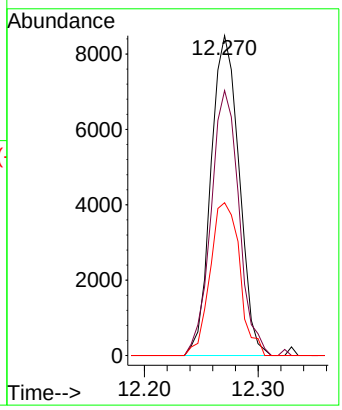




#37
2-Methylnaphthalene
Concen: 4.953 ng
RT: 12.270 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:142 Resp: 1460

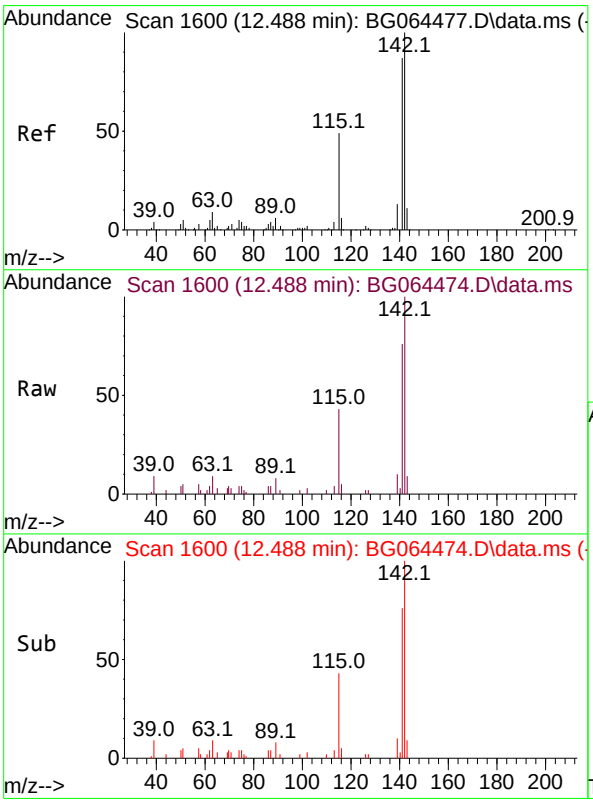
Ion	Ratio	Lower	Upper
142	100		
141	82.8	68.7	103.1
115	47.8	39.3	58.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

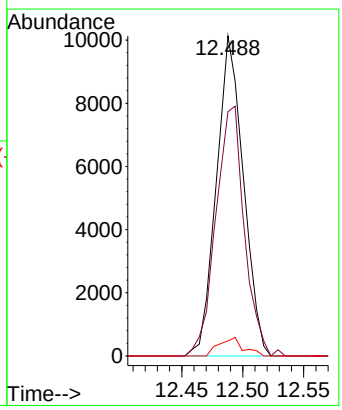
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

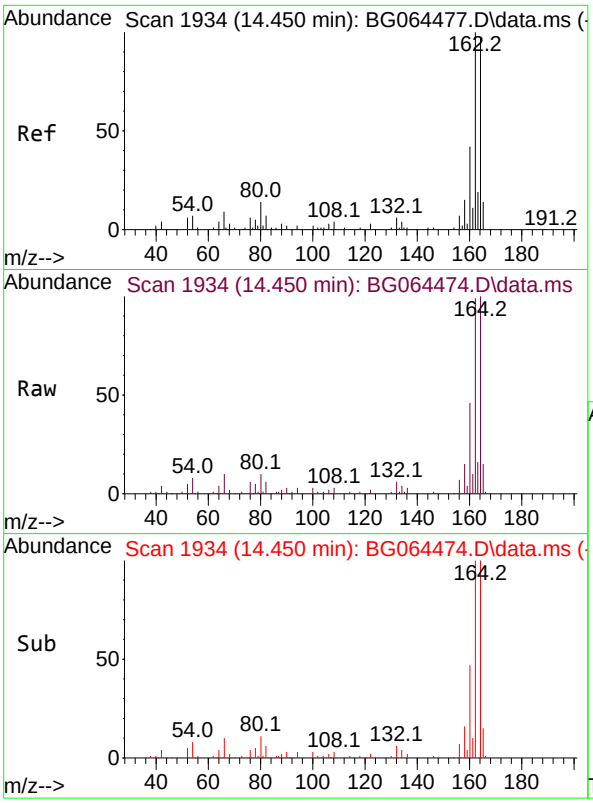


#38
1-Methylnaphthalene
Concen: 5.311 ng
RT: 12.488 min Scan# 1600
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:142 Resp: 15610

Ion	Ratio	Lower	Upper
142	100		
141	76.4	69.8	104.8
116	4.7	4.6	6.8

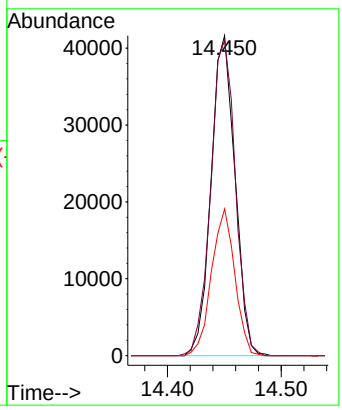




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.450 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:164 Resp: 6073

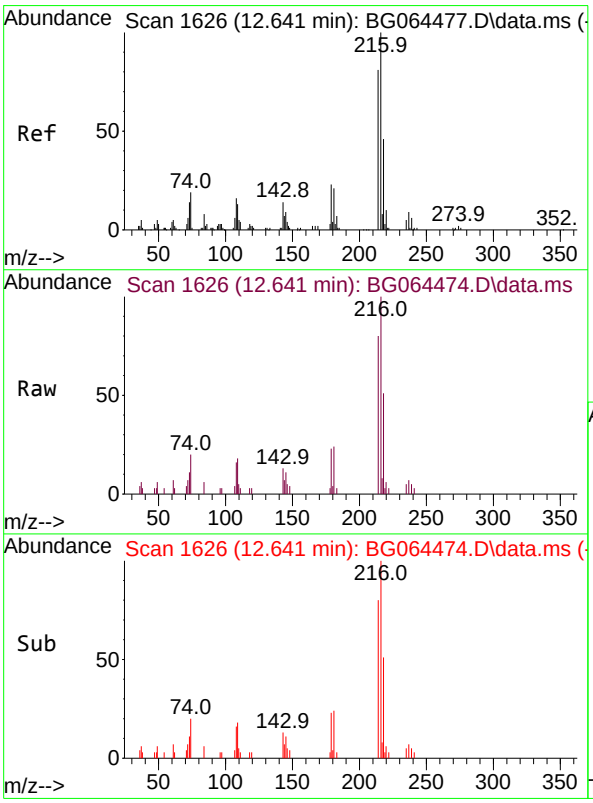
Ion	Ratio	Lower	Upper
164	100		
162	98.5	82.2	123.2
160	45.8	34.3	51.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

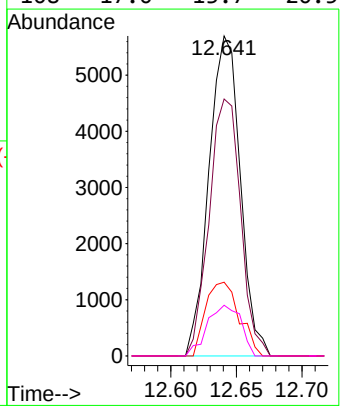
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

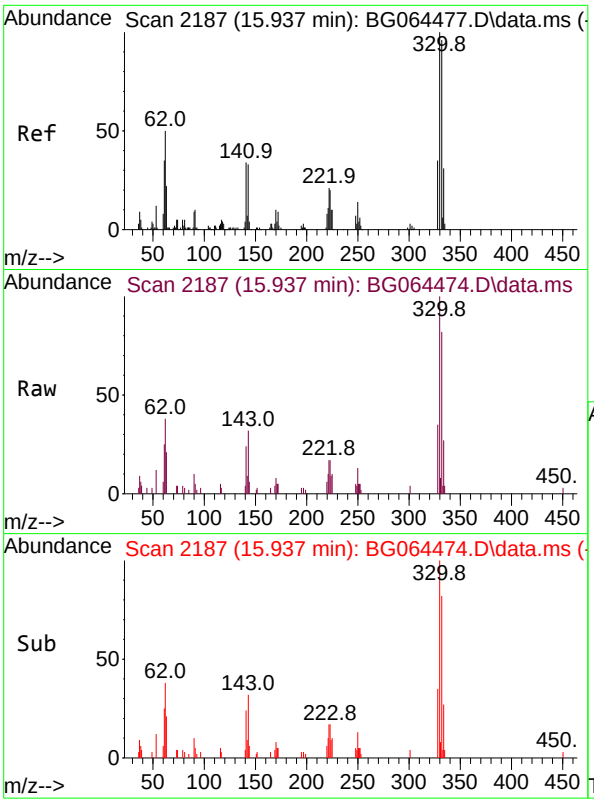


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.820 ng
RT: 12.641 min Scan# 1626
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:216 Resp: 9451

Ion	Ratio	Lower	Upper
216	100		
214	80.6	62.5	93.7
179	24.8	17.0	25.6
108	17.0	13.7	20.5

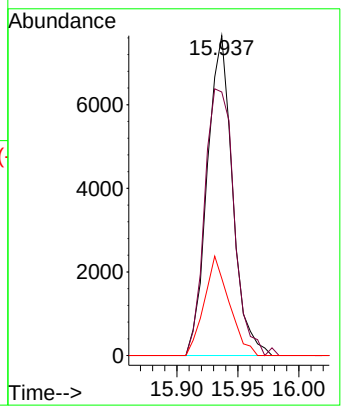




#42
2,4,6-Tribromophenol
Concen: 10.043 ng
RT: 15.937 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:330 Resp: 1105

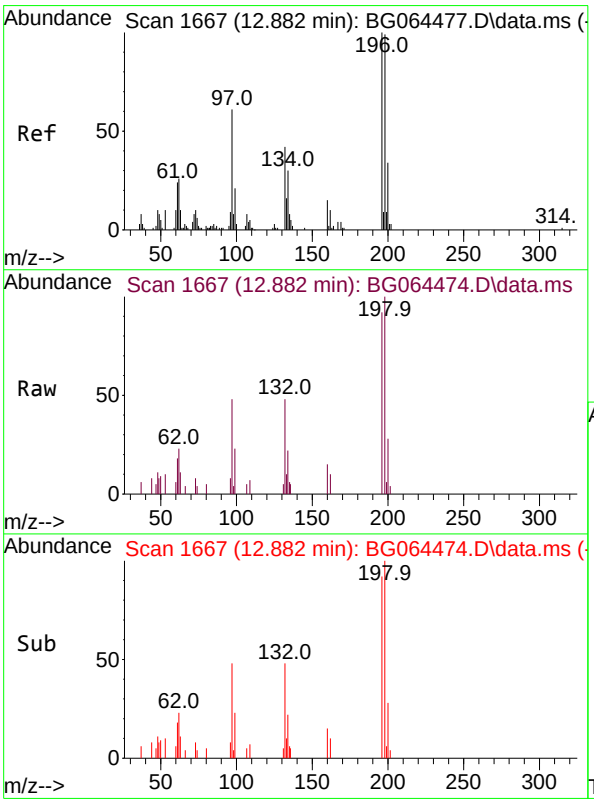
Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.0
141	30.8	25.8	38.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

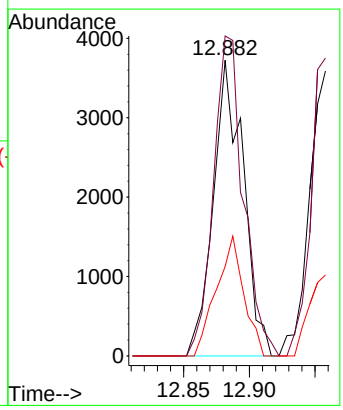
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

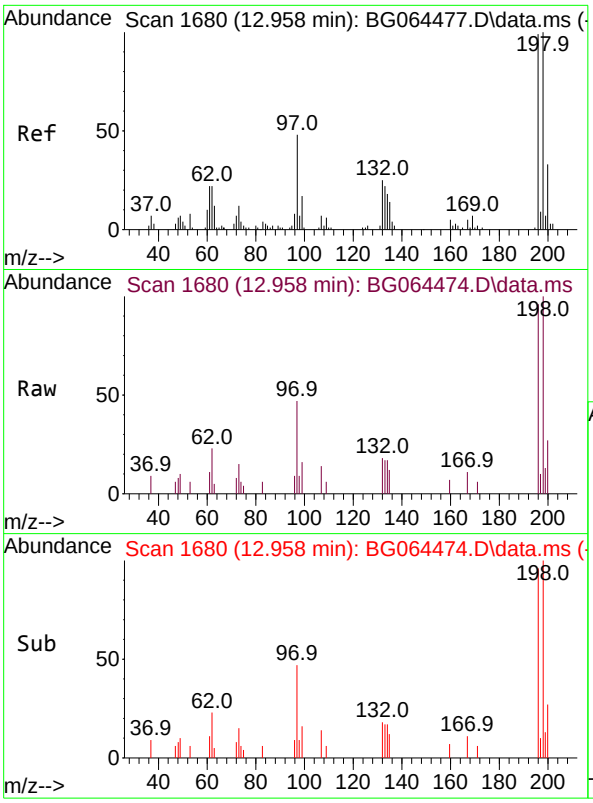


#43
2,4,6-Trichlorophenol
Concen: 4.742 ng
RT: 12.882 min Scan# 1667
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:196 Resp: 5944

Ion	Ratio	Lower	Upper
196	100		
198	108.3	79.3	118.9
200	30.2	27.4	41.2

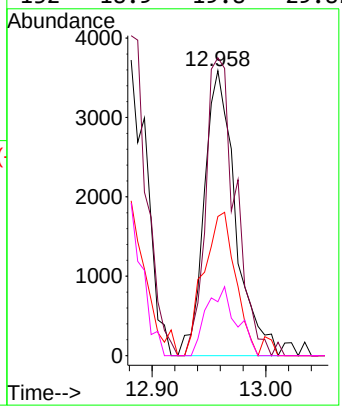




#44
2,4,5-Trichlorophenol
Concen: 4.890 ng
RT: 12.958 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:196 Resp: 684

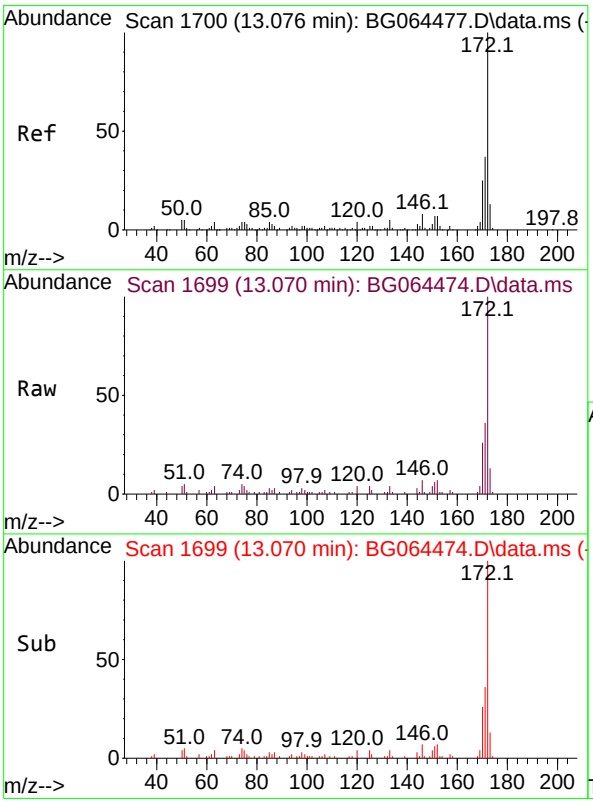
Ion	Ratio	Lower	Upper
196	100		
198	104.6	80.3	120.5
97	48.8	39.4	59.0
132	18.9	19.8	29.8#



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

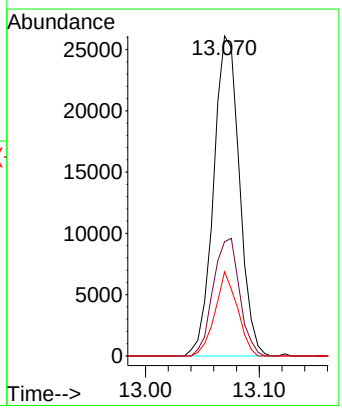
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

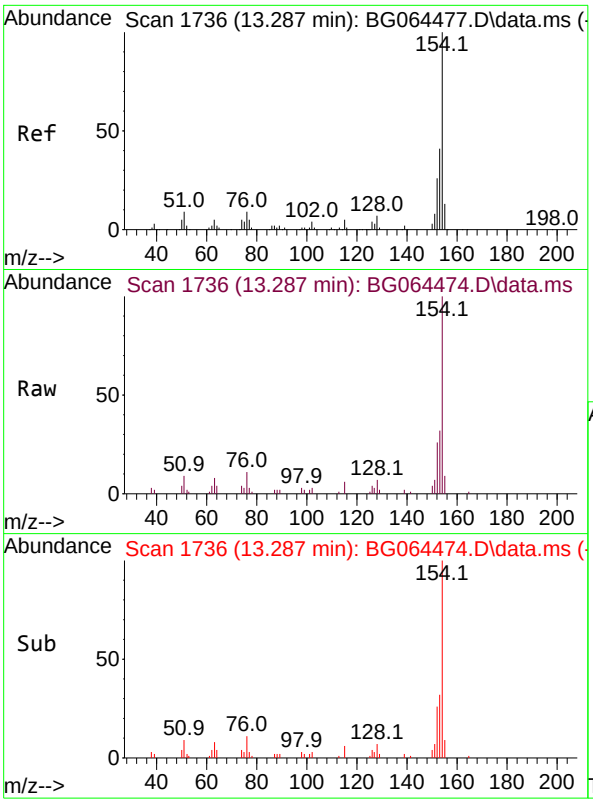


#45
2-Fluorobiphenyl
Concen: 9.988 ng
RT: 13.070 min Scan# 1699
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:172 Resp: 41153

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	26.3	20.2	30.2

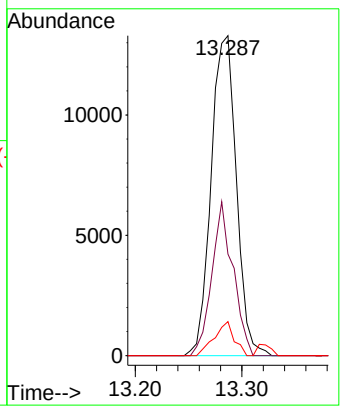




#46
1,1'-Biphenyl
Concen: 5.003 ng
RT: 13.287 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:154 Resp: 2185

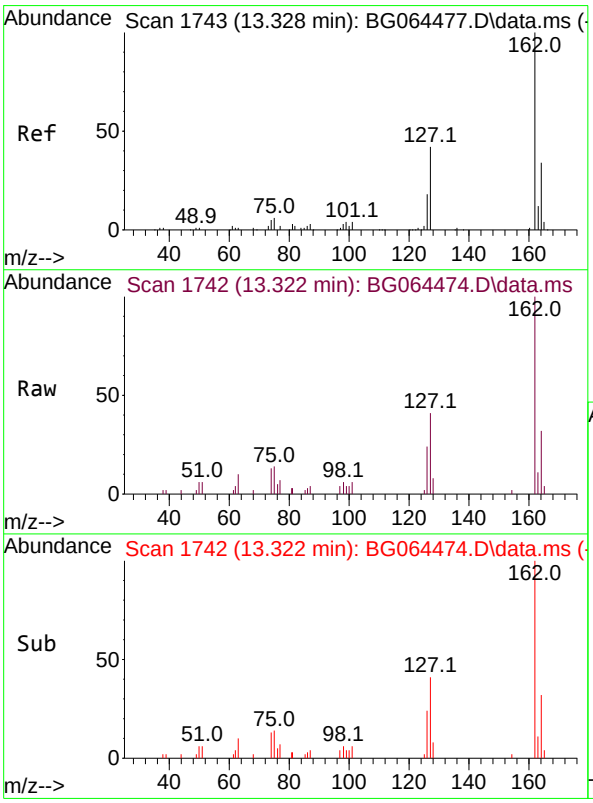
Ion	Ratio	Lower	Upper
154	100		
153	31.7	20.7	60.7
76	10.6	0.0	29.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

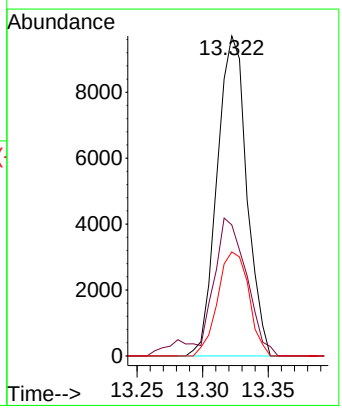
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

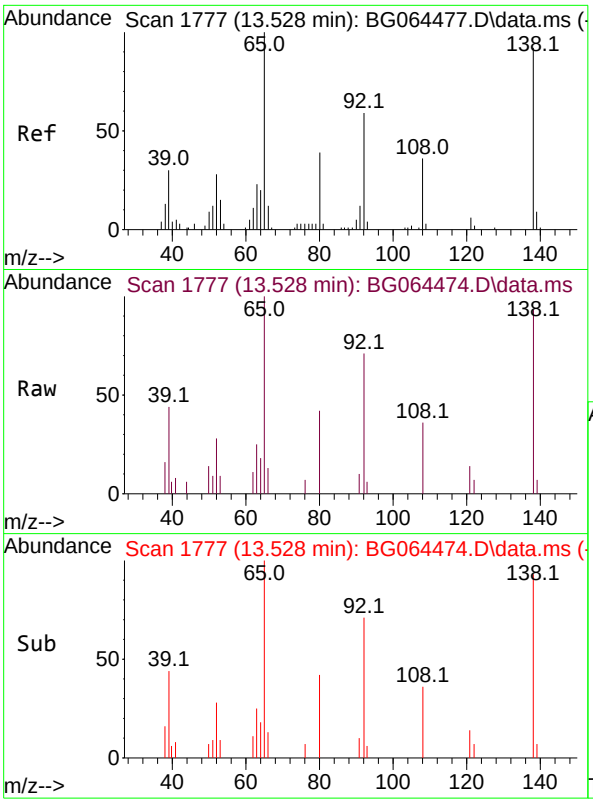


#47
2-Chloronaphthalene
Concen: 4.685 ng
RT: 13.322 min Scan# 1742
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:162 Resp: 15278

Ion	Ratio	Lower	Upper
162	100		
127	40.9	35.8	53.8
164	32.5	27.2	40.8

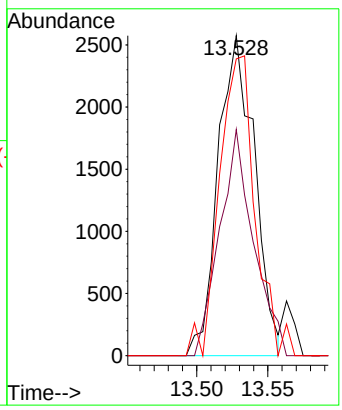




#48
2-Nitroaniline
Concen: 4.107 ng
RT: 13.528 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion: 65 Resp: 457

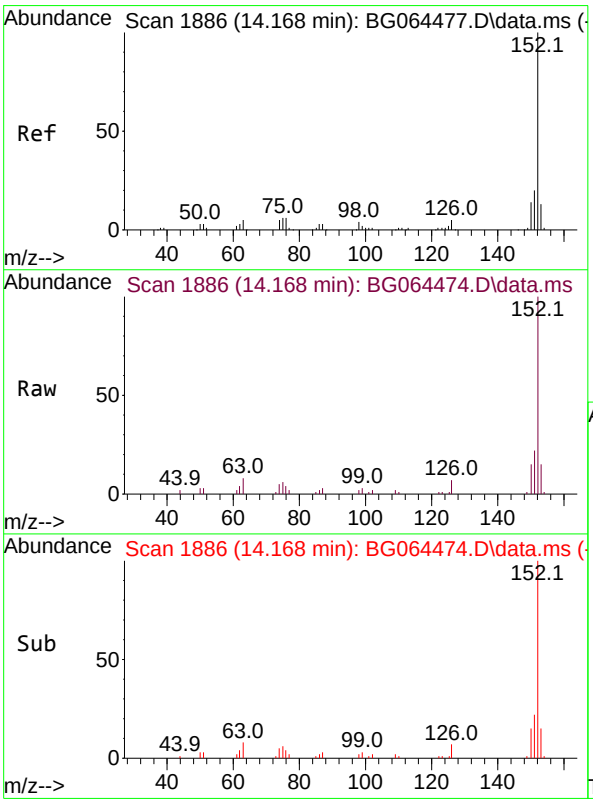
Ion	Ratio	Lower	Upper
65	100		
92	70.6	47.0	70.6#
138	92.7	73.5	110.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

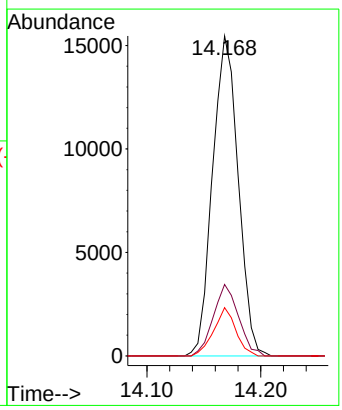
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

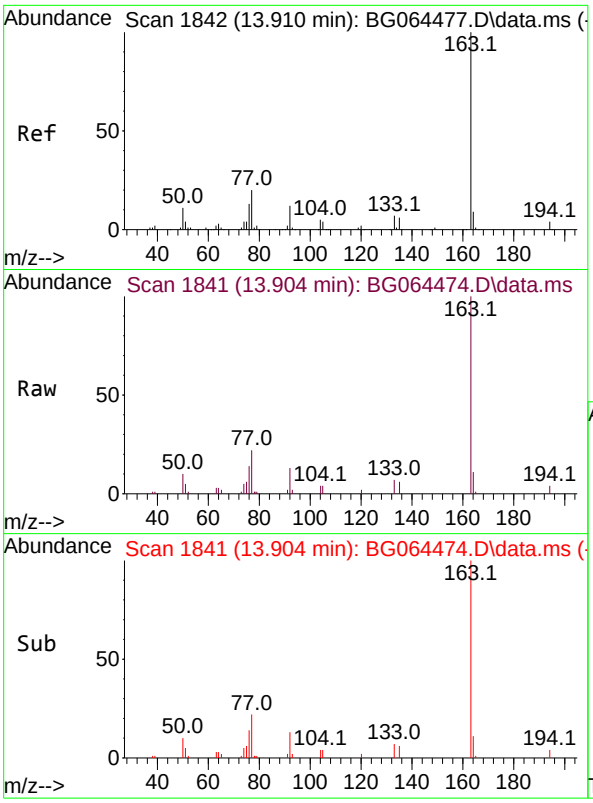


#49
Acenaphthylene
Concen: 4.990 ng
RT: 14.168 min Scan# 1886
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:152 Resp: 24156

Ion	Ratio	Lower	Upper
152	100		
151	22.3	15.8	23.6
153	15.1	10.6	15.8





#50
Dimethylphthalate
Concen: 4.992 ng
RT: 13.904 min Scan# 18
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

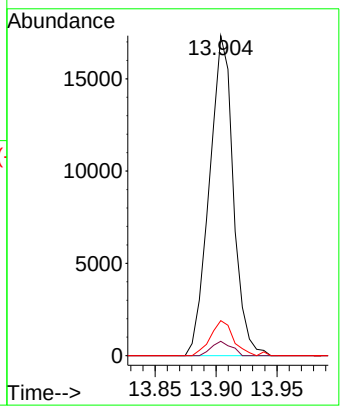
Tgt Ion:163 Resp: 2374

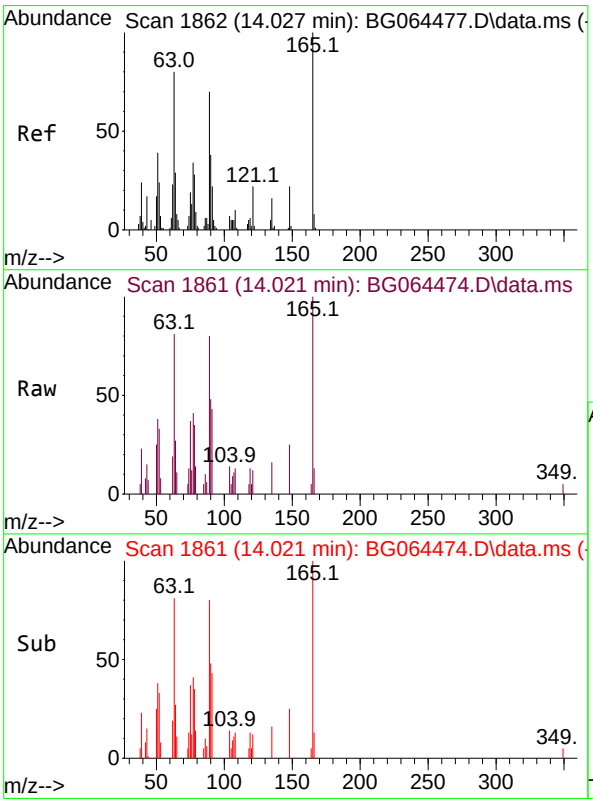
Ion	Ratio	Lower	Upper
163	100		
194	4.5	2.9	4.3#
164	10.9	7.4	11.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

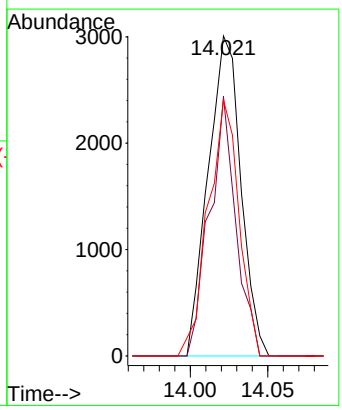


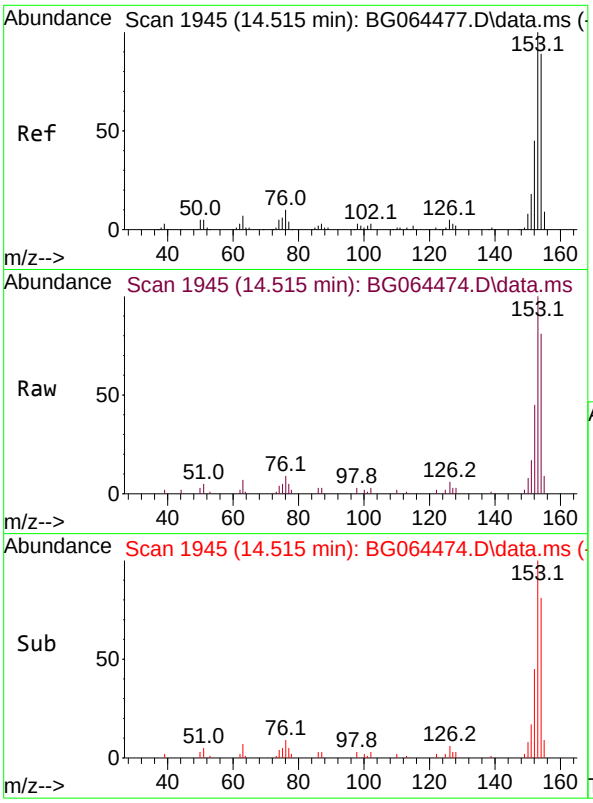


#51
2,6-Dinitrotoluene
Concen: 4.470 ng
RT: 14.021 min Scan# 1861
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:165 Resp: 4429

Ion	Ratio	Lower	Upper
165	100		
63	81.1	63.9	95.9
89	80.0	56.1	84.1

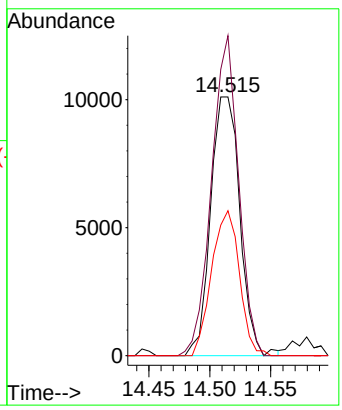




#52
Acenaphthene
Concen: 5.000 ng
RT: 14.515 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:154 Resp: 1681

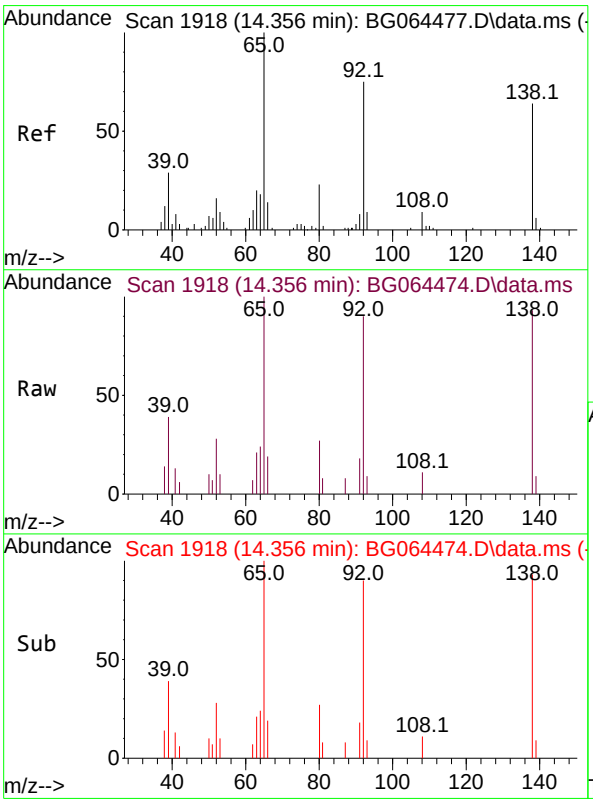
Ion	Ratio	Lower	Upper
154	100		
153	123.7	90.2	135.4
152	56.0	40.2	60.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

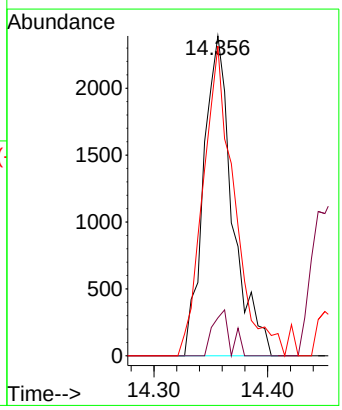
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

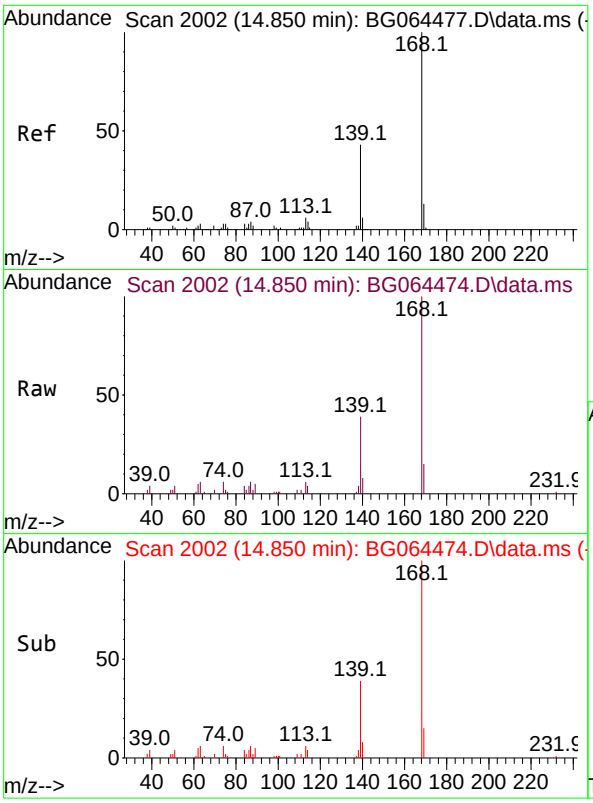


#53
3-Nitroaniline
Concen: 4.630 ng
RT: 14.356 min Scan# 1918
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:138 Resp: 4231

Ion	Ratio	Lower	Upper
138	100		
108	11.9	10.6	15.8
92	96.8	93.2	139.8

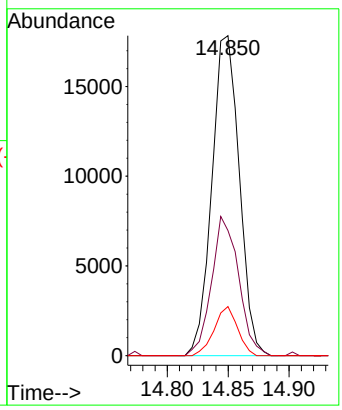




#55
Dibenzofuran
Concen: 5.022 ng
RT: 14.850 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:168 Resp: 2788

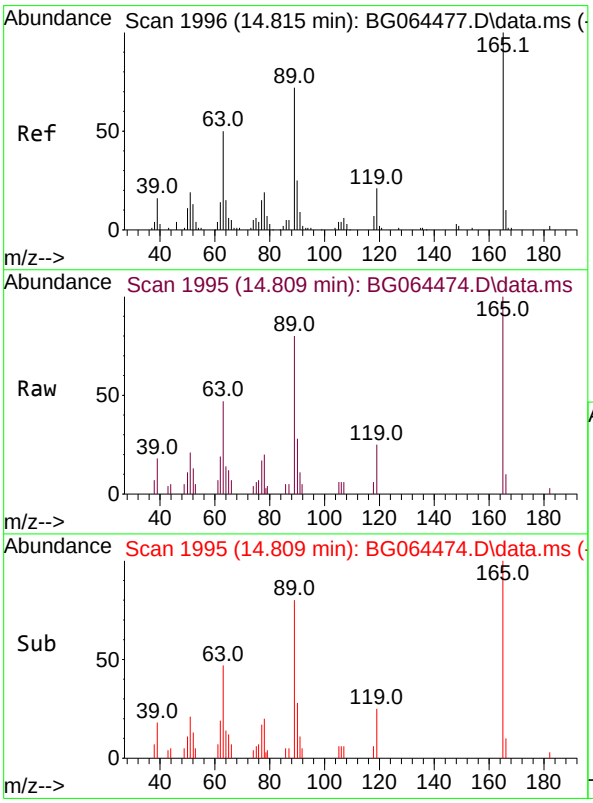
Ion	Ratio	Lower	Upper
168	100		
139	39.1	34.0	51.0
169	15.3	10.2	15.2#



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

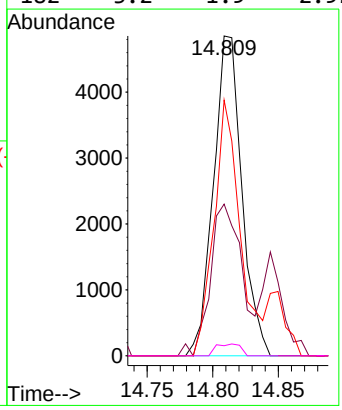
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

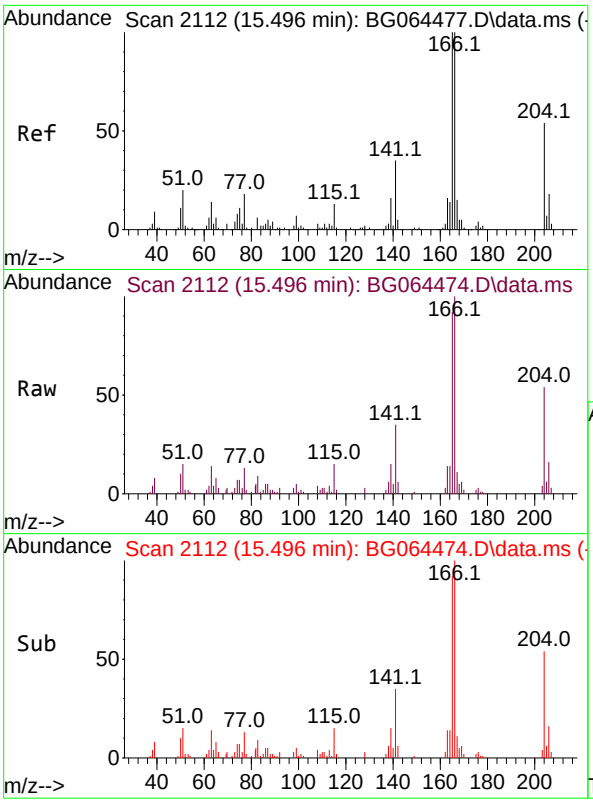


#57
2,4-Dinitrotoluene
Concen: 4.826 ng
RT: 14.809 min Scan# 1995
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:165 Resp: 7310

Ion	Ratio	Lower	Upper
165	100		
63	47.4	40.4	60.6
89	79.9	57.3	85.9
182	3.2	1.9	2.9#

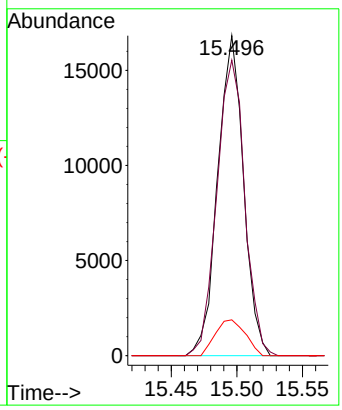




#58
Fluorene
Concen: 4.994 ng
RT: 15.496 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:166 Resp: 2305

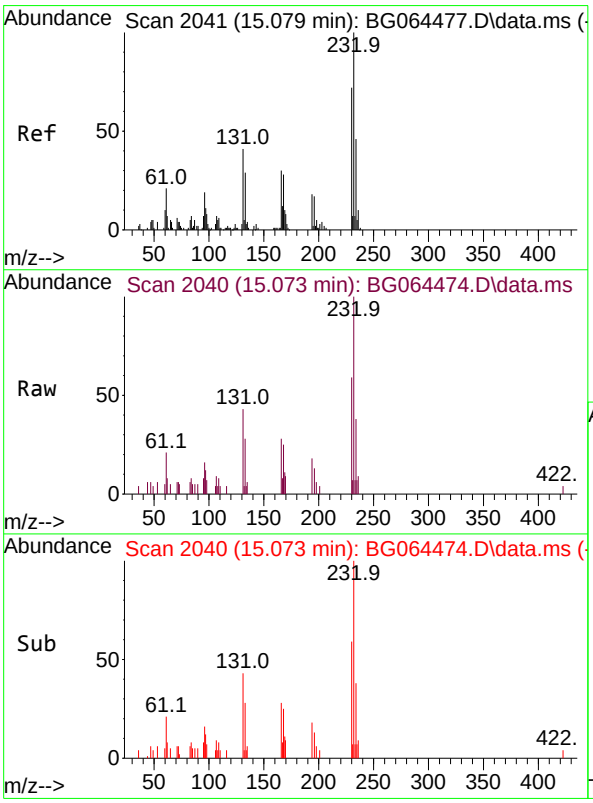
Ion	Ratio	Lower	Upper
166	100		
165	92.3	79.8	119.6
167	11.2	11.7	17.5#



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

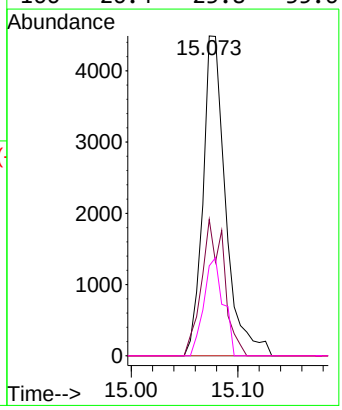
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

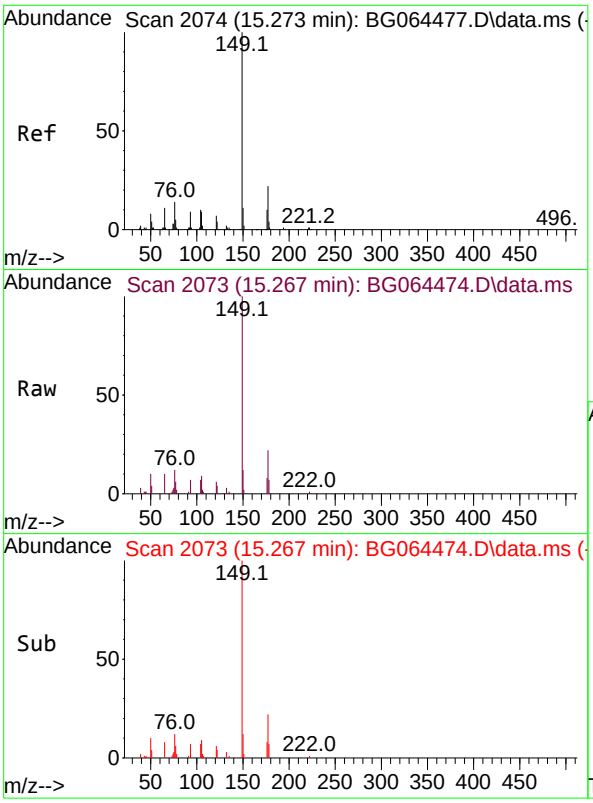


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.658 ng
RT: 15.073 min Scan# 2040
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:232 Resp: 6653

Ion	Ratio	Lower	Upper
232	100		
131	42.3	35.0	52.4
130	0.0	2.0	3.0#
166	26.4	23.8	35.6

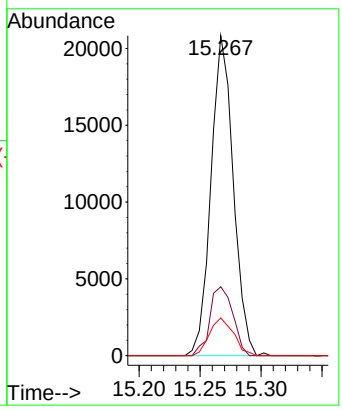




#60
Diethylphthalate
Concen: 5.198 ng
RT: 15.267 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:149 Resp: 2652

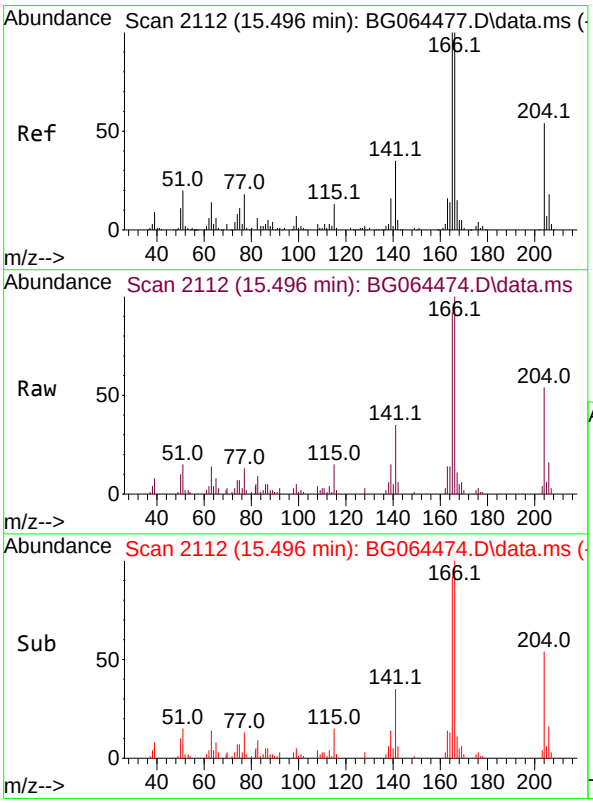
Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.4	26.0
150	11.8	9.1	13.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

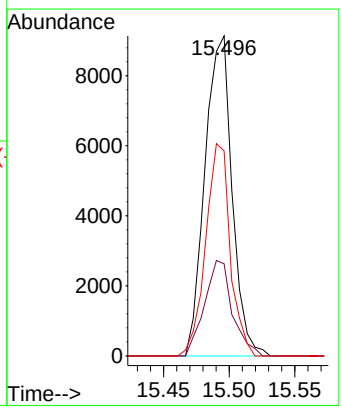
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

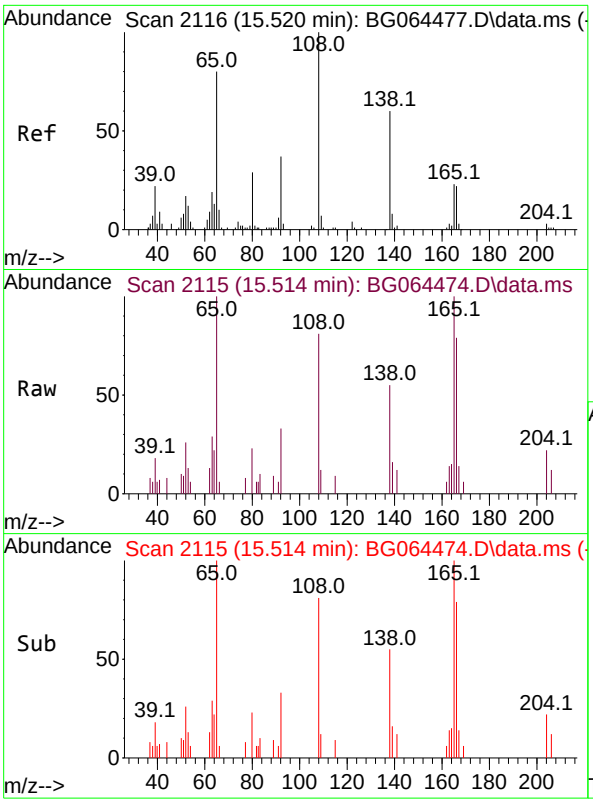


#61
4-Chlorophenyl-phenylether
Concen: 5.215 ng
RT: 15.496 min Scan# 2112
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:204 Resp: 13144

Ion	Ratio	Lower	Upper
204	100		
206	28.8	27.1	40.7
141	64.0	51.5	77.3

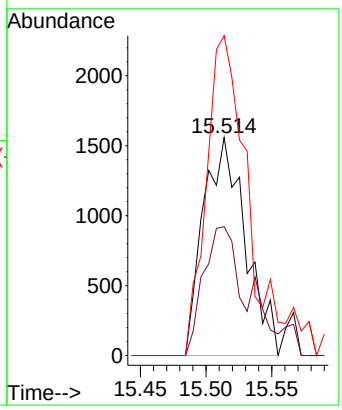




#62
4-Nitroaniline
Concen: 3.655 ng
RT: 15.514 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:138 Resp: 348

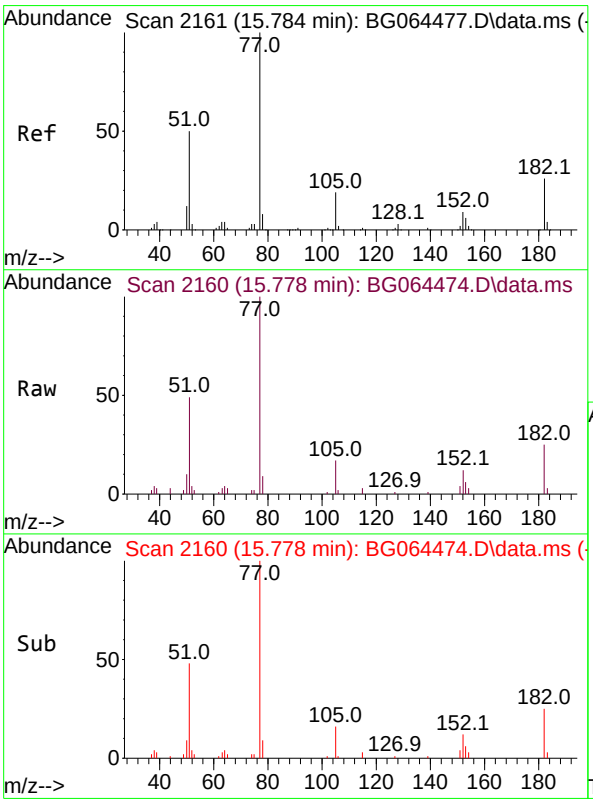
Ion	Ratio	Lower	Upper
138	100		
92	59.1	42.3	82.3
108	146.8	147.7	187.7#



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

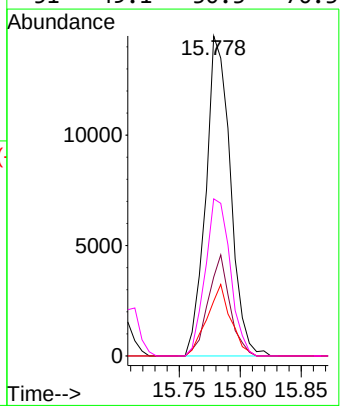
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

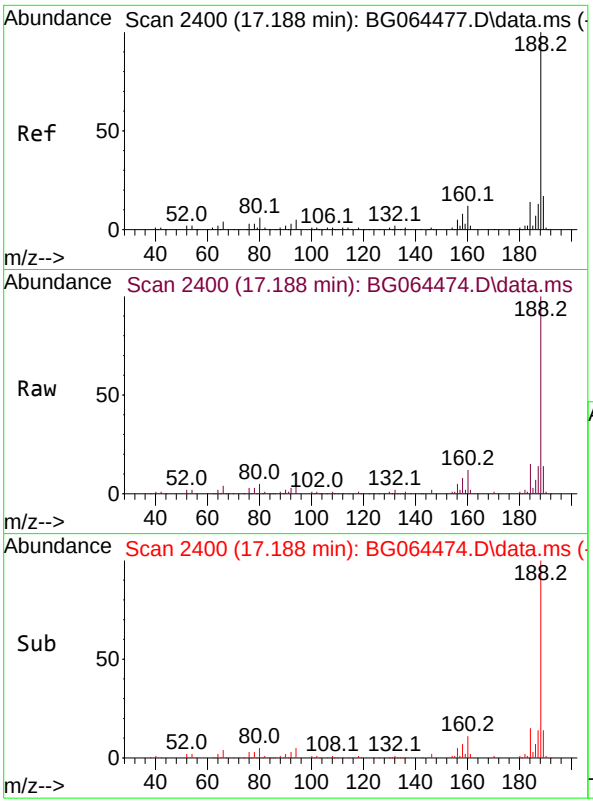


#63
Azobenzene
Concen: 5.144 ng
RT: 15.778 min Scan# 2160
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion: 77 Resp: 20327

Ion	Ratio	Lower	Upper
77	100		
182	24.6	6.3	46.3
105	17.1	0.0	38.7
51	49.1	30.3	70.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.188 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

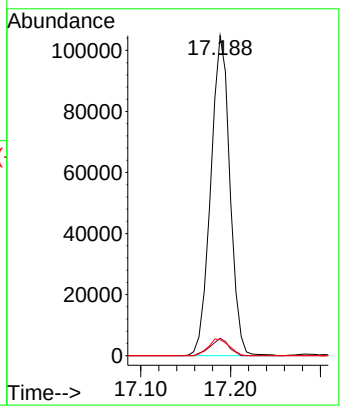
Tgt Ion:188 Resp: 15534

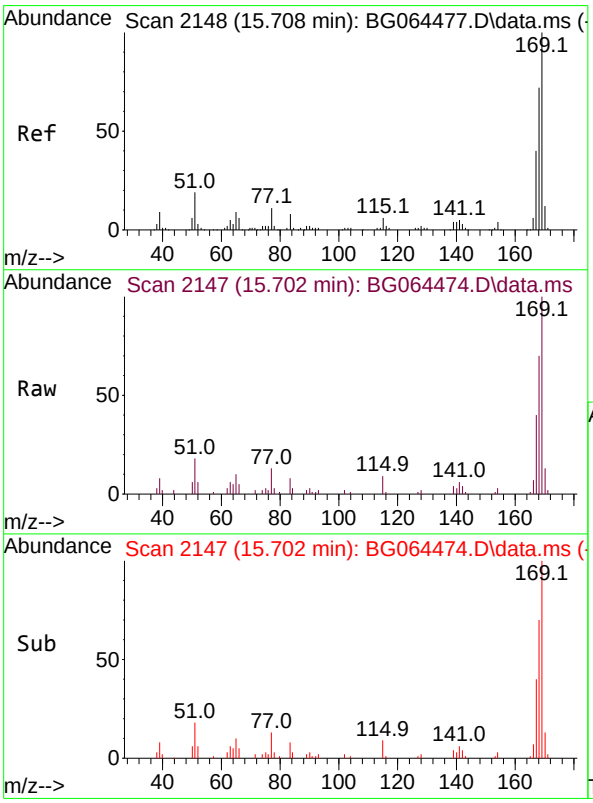
Ion	Ratio	Lower	Upper
188	100		
94	5.4	3.7	5.5
80	5.0	4.5	6.7

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

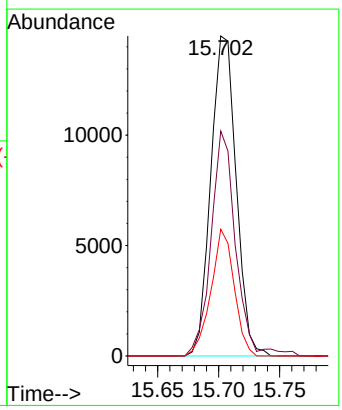


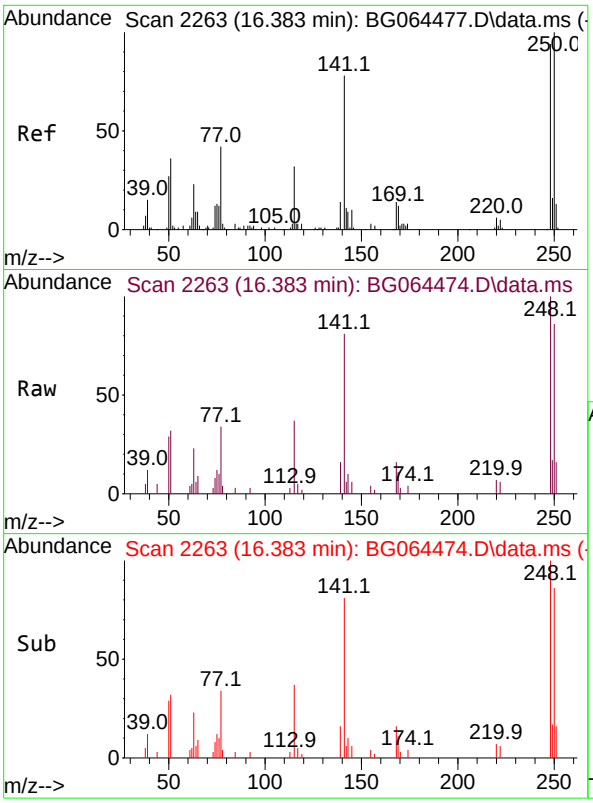


#66
n-Nitrosodiphenylamine
Concen: 5.053 ng
RT: 15.702 min Scan# 2147
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:169 Resp: 20960

Ion	Ratio	Lower	Upper
169	100		
168	70.3	57.8	86.6
167	39.6	31.7	47.5

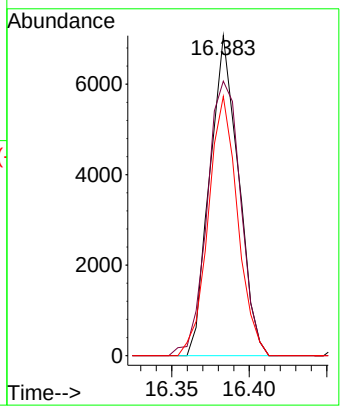




#67
4-Bromophenyl-phenylether
Concen: 5.002 ng
RT: 16.383 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:248 Resp: 9144

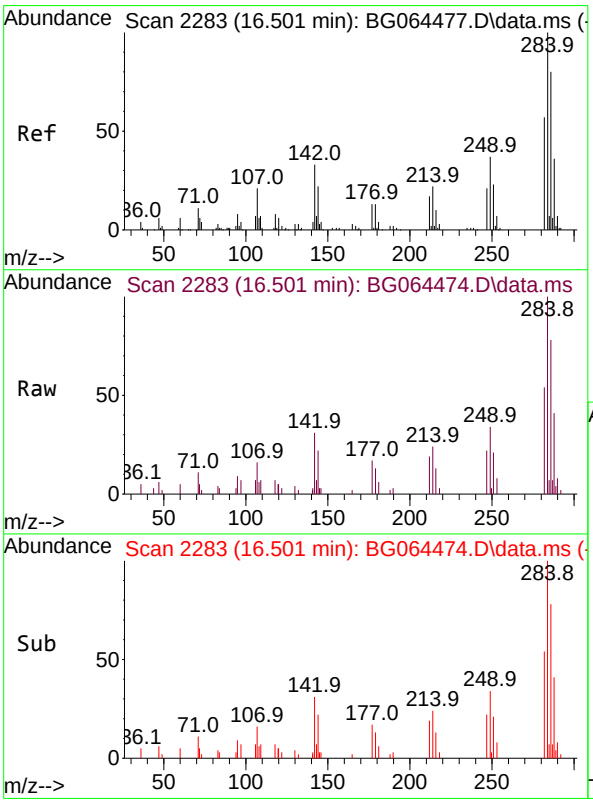
Ion	Ratio	Lower	Upper
248	100		
250	85.8	85.3	127.9
141	81.0	66.2	99.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

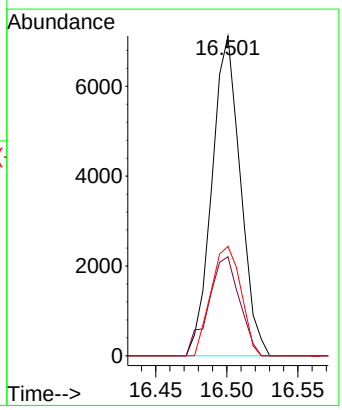
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

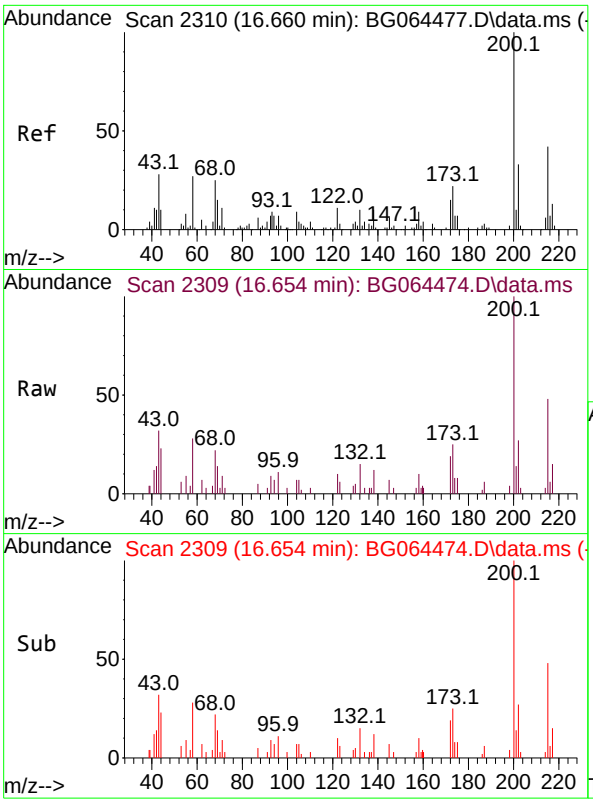


#68
Hexachlorobenzene
Concen: 4.747 ng
RT: 16.501 min Scan# 2283
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:284 Resp: 9929

Ion	Ratio	Lower	Upper
284	100		
142	31.0	26.2	39.2
249	36.8	29.4	44.0

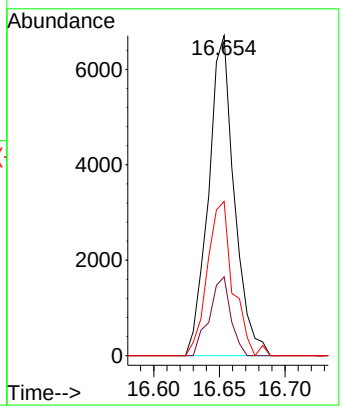




#69
Atrazine
Concen: 4.979 ng
RT: 16.654 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:200 Resp: 9189

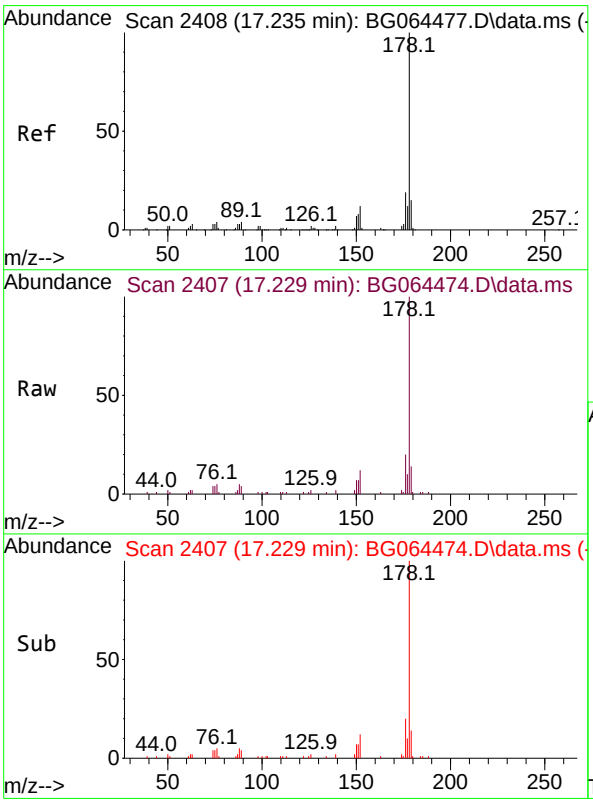
Ion	Ratio	Lower	Upper
200	100		
173	24.6	2.5	42.5
215	48.2	21.5	61.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

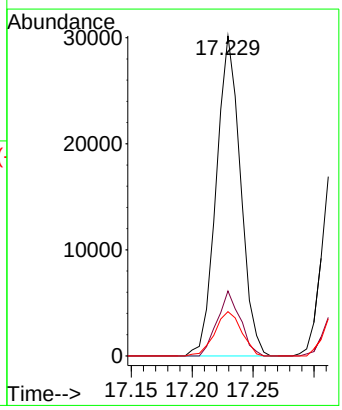
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

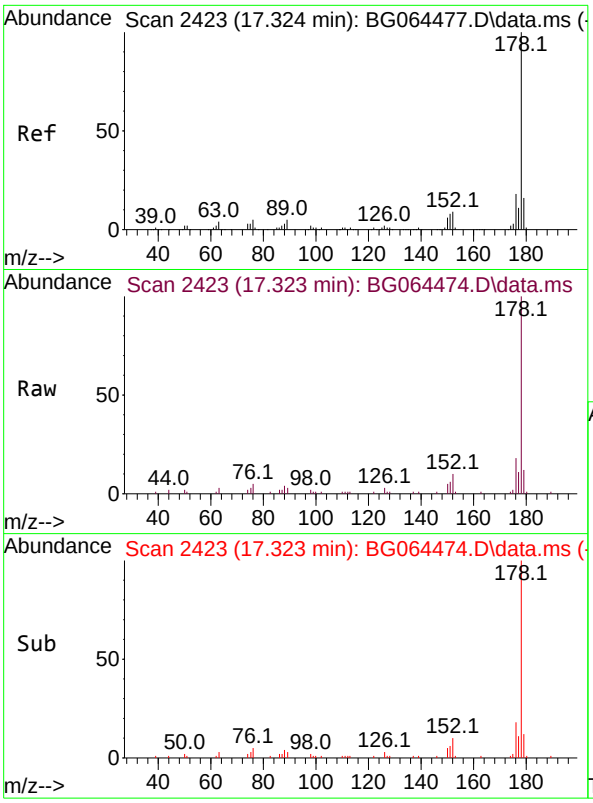


#71
Phenanthrene
Concen: 5.126 ng
RT: 17.229 min Scan# 2407
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:178 Resp: 41639

Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.2	22.8
179	13.8	11.8	17.6

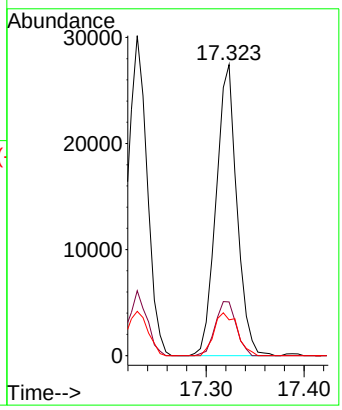




#72
Anthracene
Concen: 4.978 ng m
RT: 17.323 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:178 Resp: 4056

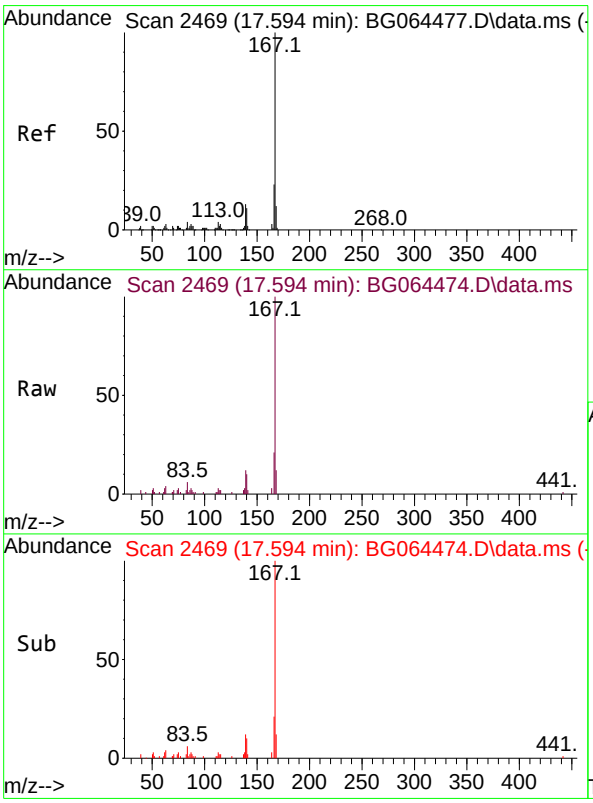
Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	12.3	12.5	18.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

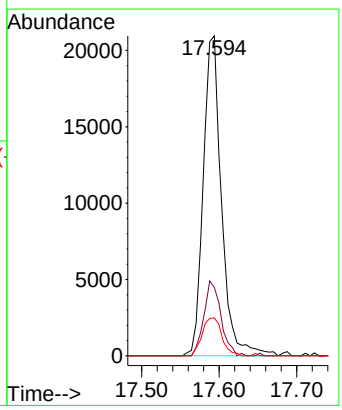
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

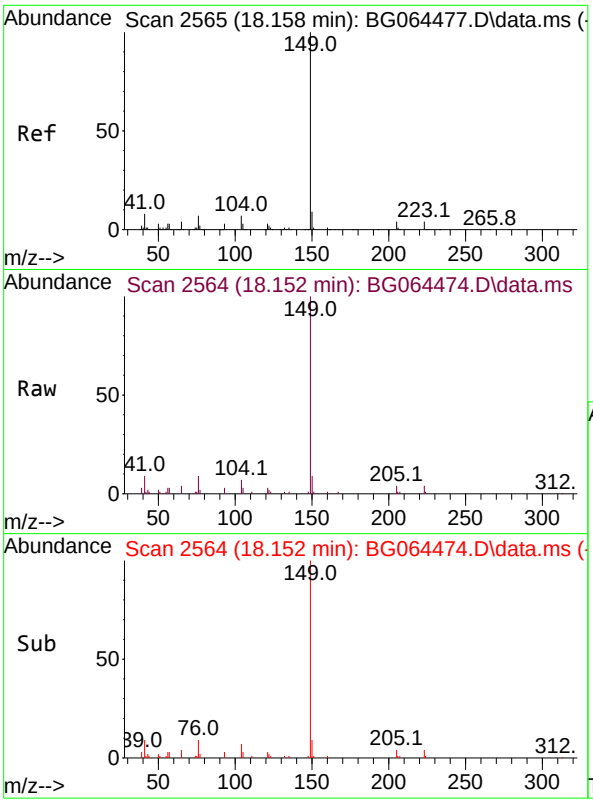


#73
Carbazole
Concen: 4.870 ng
RT: 17.594 min Scan# 2469
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:167 Resp: 34305

Ion	Ratio	Lower	Upper
167	100		
166	21.4	18.6	27.8
139	11.9	10.2	15.4

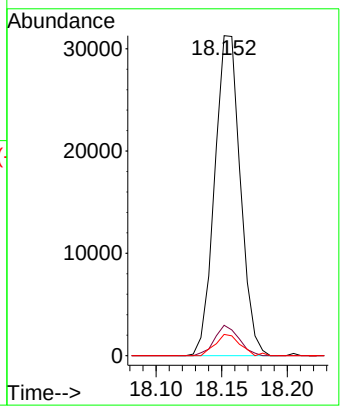




#74
Di-n-butylphthalate
Concen: 4.950 ng
RT: 18.152 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:149 Resp: 4256

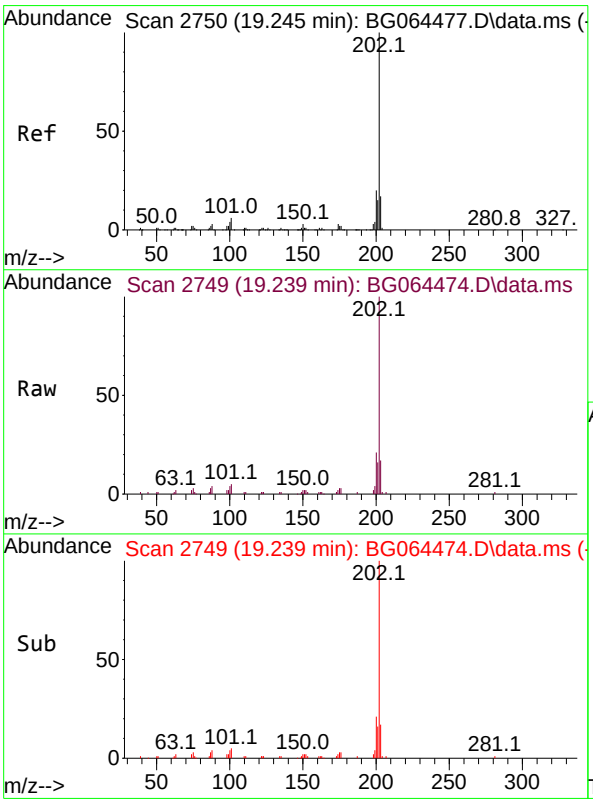
Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.2
104	6.6	5.3	7.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

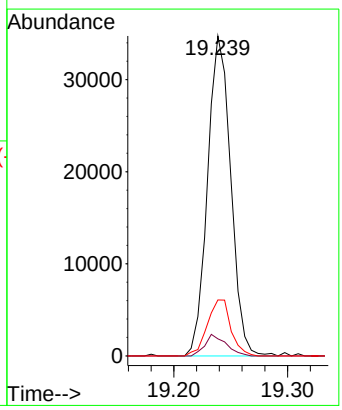
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

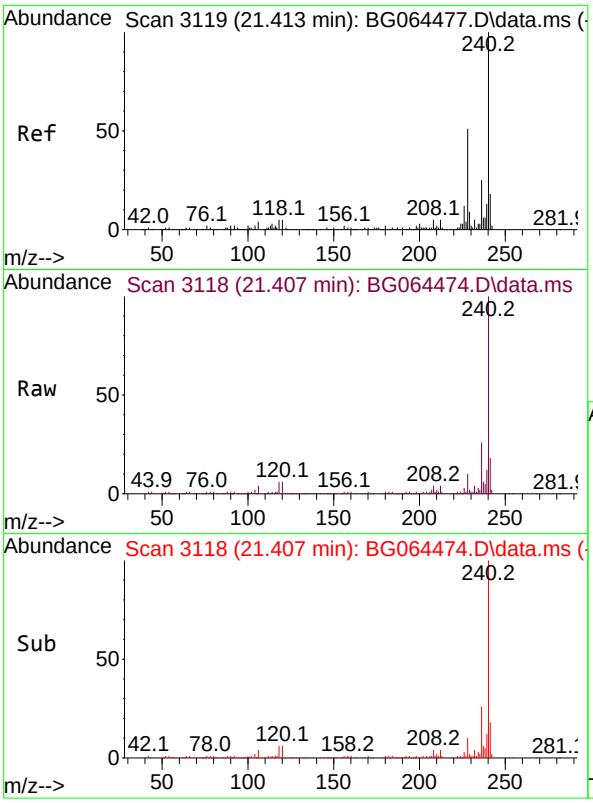


#75
Fluoranthene
Concen: 5.080 ng
RT: 19.239 min Scan# 2749
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:202 Resp: 49301

Ion	Ratio	Lower	Upper
202	100		
101	5.3	0.0	25.7
203	17.5	0.0	36.6

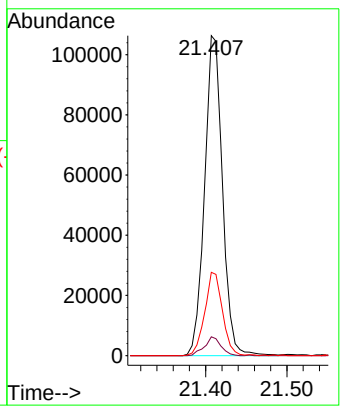




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.407 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:240 Resp: 16268

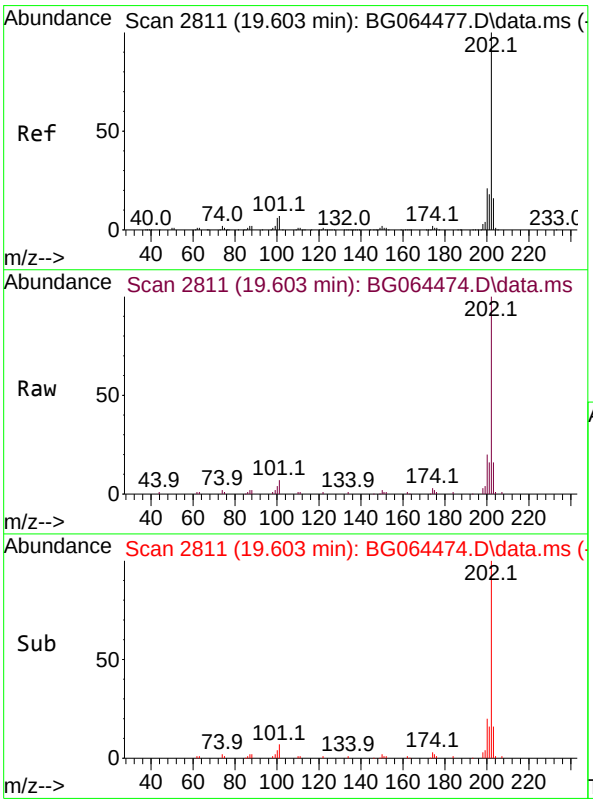
Ion	Ratio	Lower	Upper
240	100		
120	5.9	4.3	6.5
236	26.0	20.4	30.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

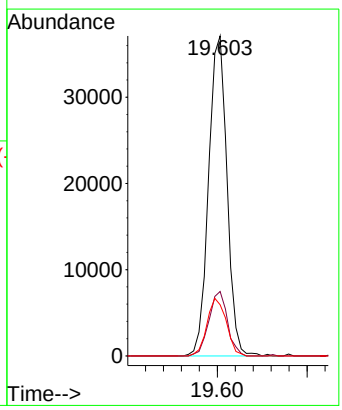
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

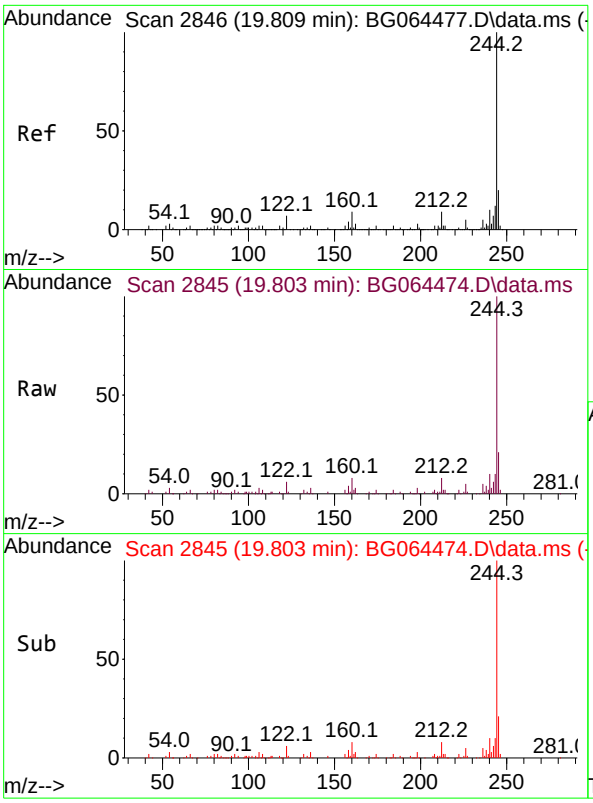


#78
Pyrene
Concen: 4.989 ng
RT: 19.603 min Scan# 2811
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:202 Resp: 52677

Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.0	25.4
203	16.0	13.0	19.4

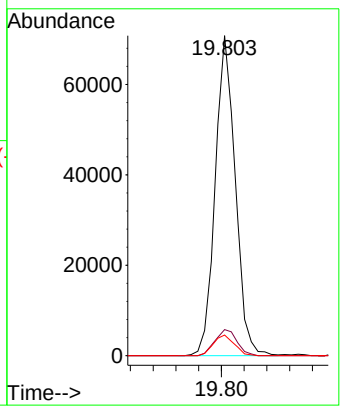




#79
Terphenyl-d14
Concen: 10.093 ng
RT: 19.803 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:244 Resp: 8676

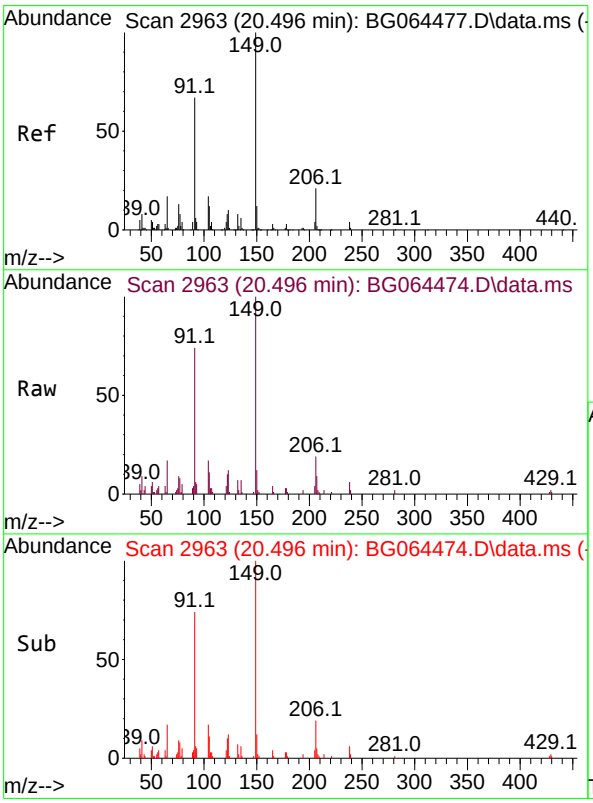
Ion	Ratio	Lower	Upper
244	100		
212	8.1	7.0	10.6
122	6.4	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

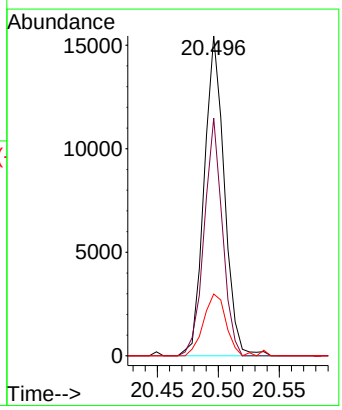
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

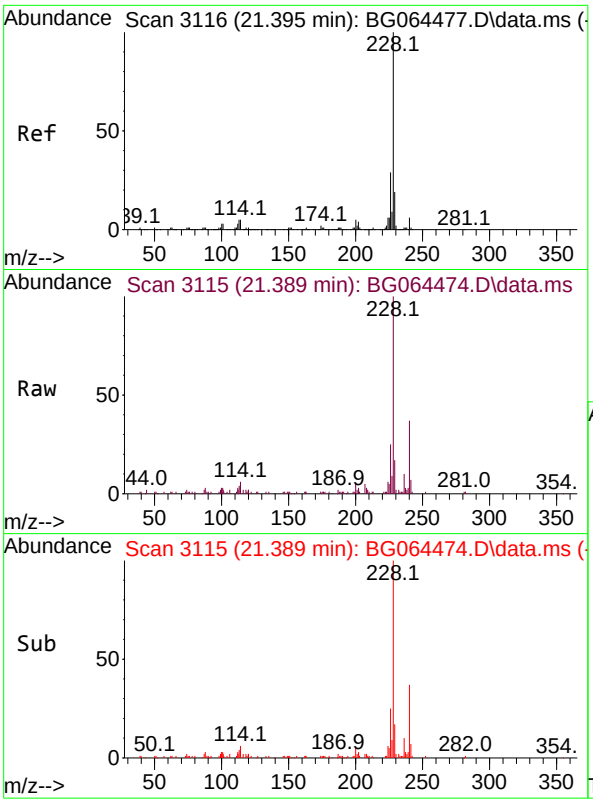


#80
Butylbenzylphthalate
Concen: 4.749 ng
RT: 20.496 min Scan# 2963
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:149 Resp: 17773

Ion	Ratio	Lower	Upper
149	100		
91	74.3	53.7	80.5
206	19.3	16.6	24.8

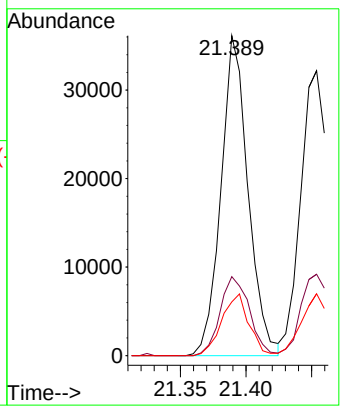




#81
Benzo(a)anthracene
Concen: 5.012 ng
RT: 21.389 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:228 Resp: 5206

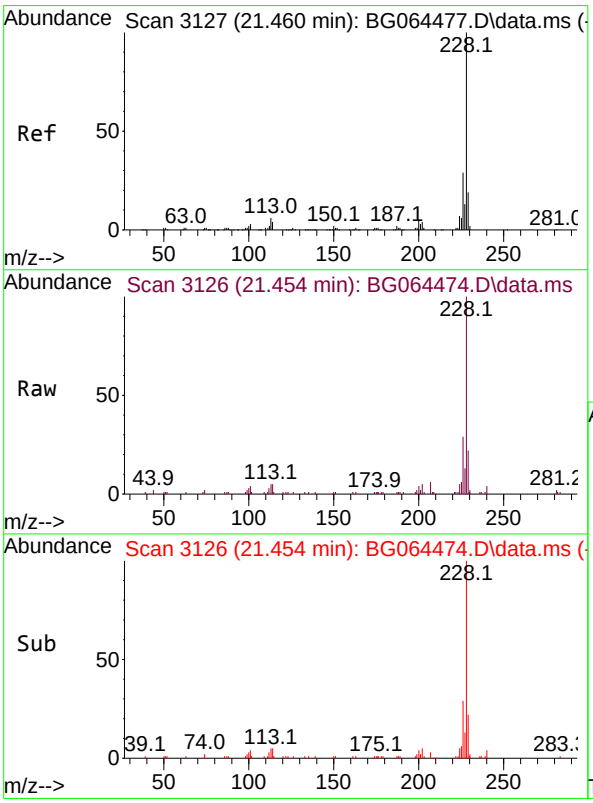
Ion	Ratio	Lower	Upper
228	100		
226	24.7	22.8	34.2
229	16.8	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

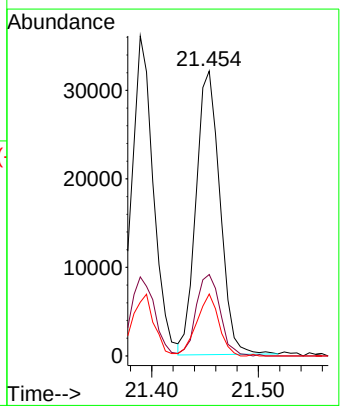
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

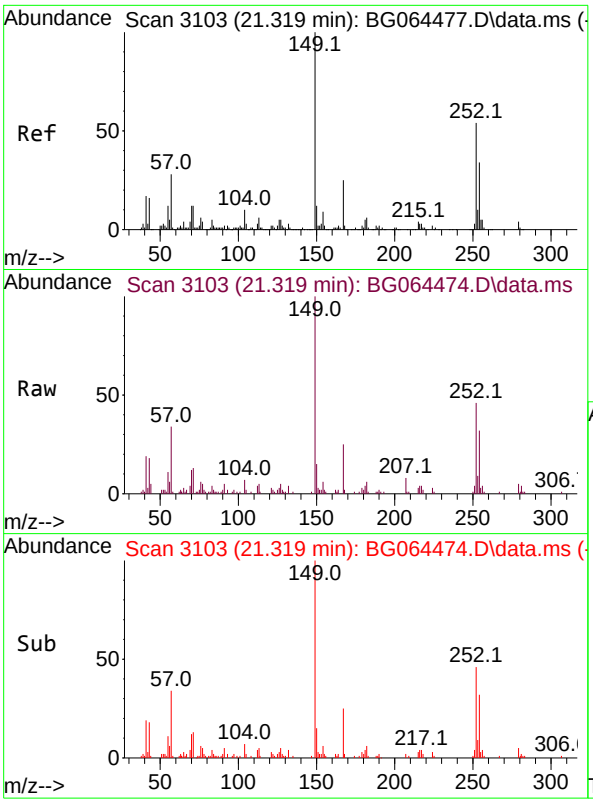


#83
Chrysene
Concen: 5.060 ng
RT: 21.454 min Scan# 3126
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:228 Resp: 49843

Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.8	34.2
229	21.7	15.4	23.0

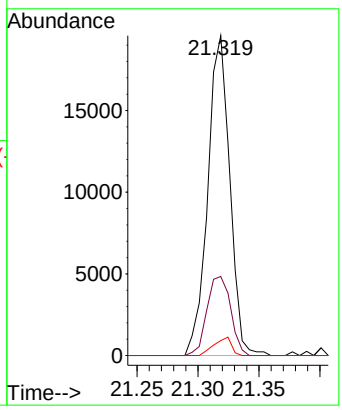




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.662 ng
RT: 21.319 min Scan# 31
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:149 Resp: 2461

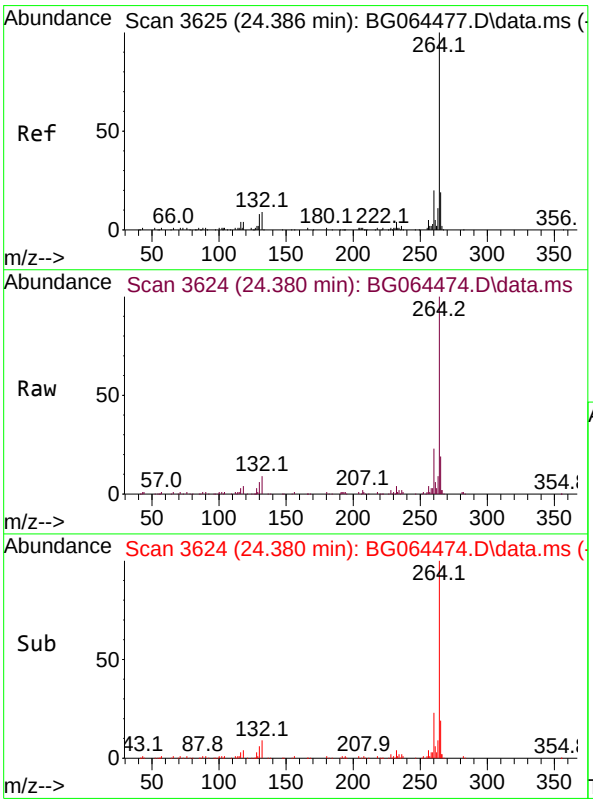
Ion	Ratio	Lower	Upper
149	100		
167	24.7	19.7	29.5
279	4.7	3.4	5.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

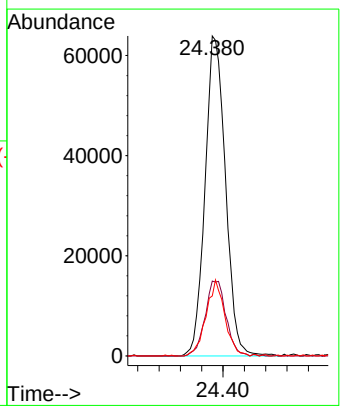
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

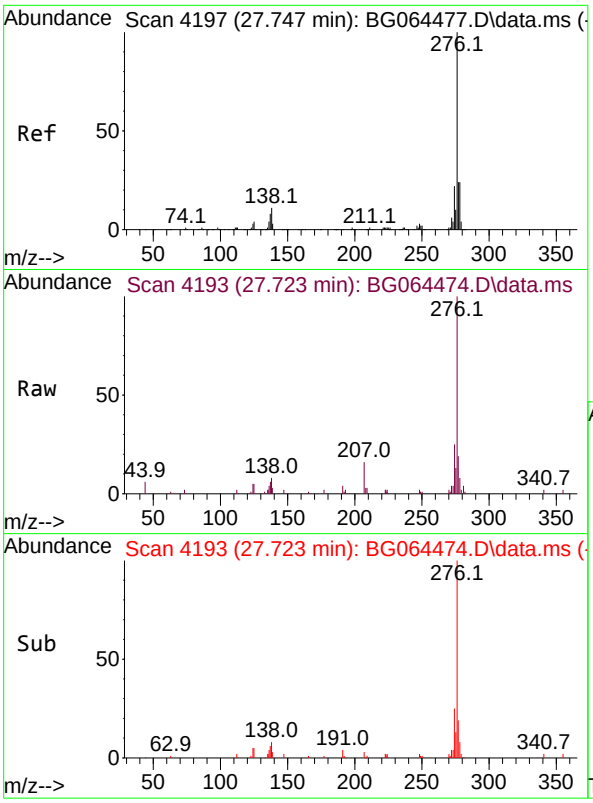


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.380 min Scan# 3624
Delta R.T. -0.009 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:264 Resp: 169977

Ion	Ratio	Lower	Upper
264	100		
260	23.4	16.2	24.4
265	18.8	15.0	22.4

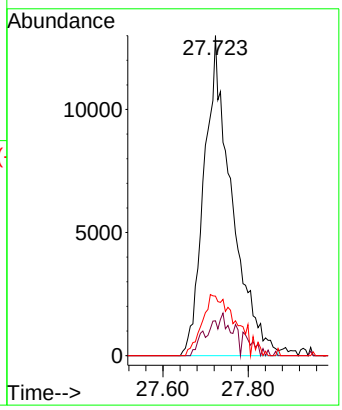




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.912 ng
RT: 27.723 min Scan# 41
Delta R.T. -0.009 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:276 Resp: 5811

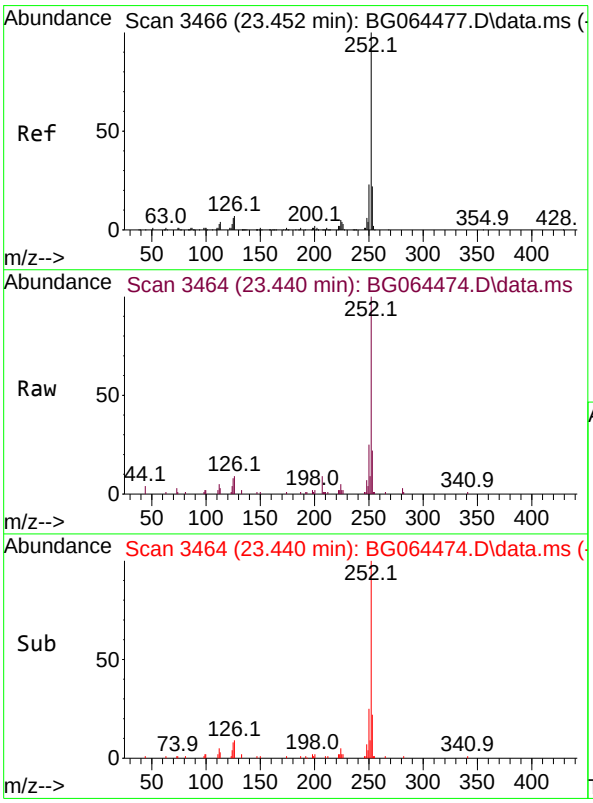
Ion	Ratio	Lower	Upper
276	100		
138	3.5	10.8	16.2#
277	23.6	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

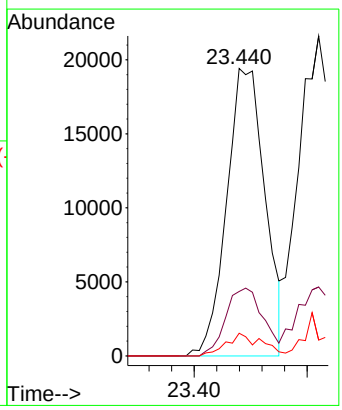
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

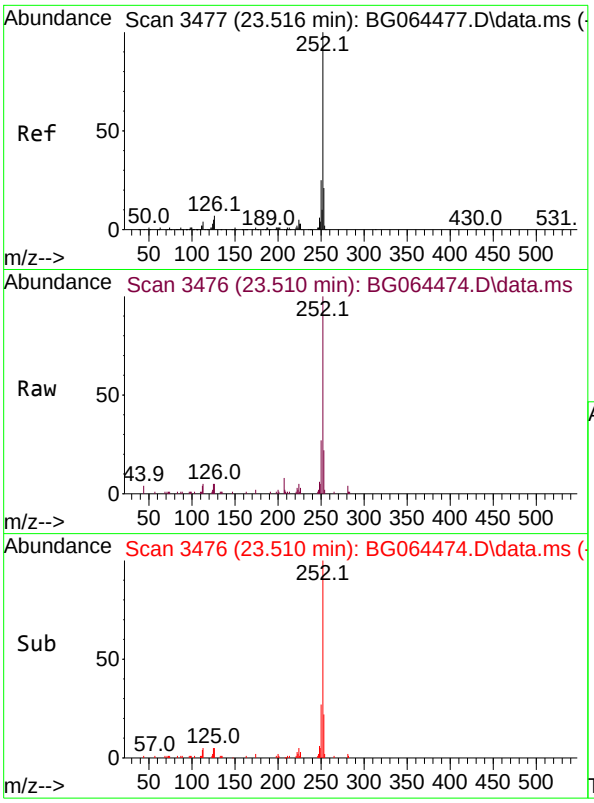


#88
Benzo(b)fluoranthene
Concen: 4.734 ng m
RT: 23.440 min Scan# 3464
Delta R.T. -0.009 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:252 Resp: 45779

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	7.9	4.5	6.7#

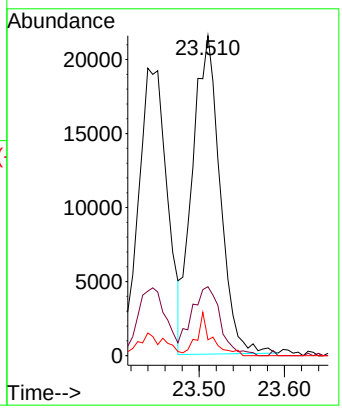




#89
Benzo(k)fluoranthene
Concen: 4.970 ng
RT: 23.510 min Scan# 34
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:252 Resp: 4840

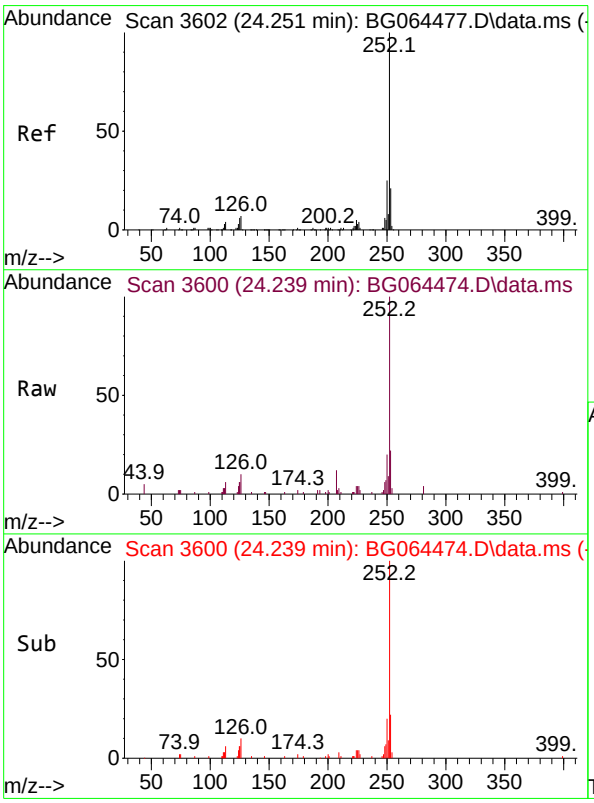
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.2
125	4.9	4.0	6.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

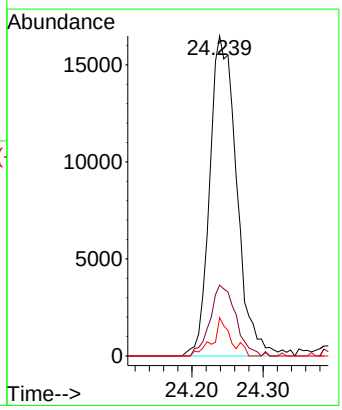
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

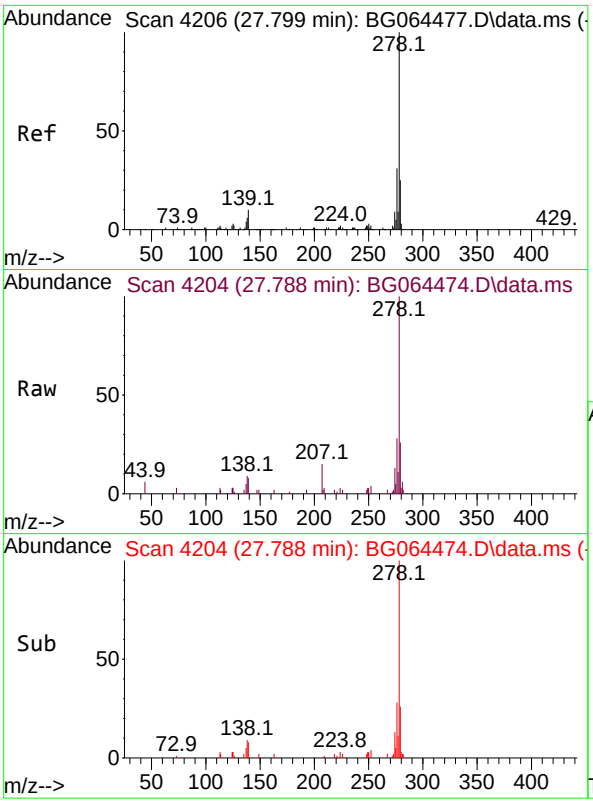


#90
Benzo(a)pyrene
Concen: 4.849 ng
RT: 24.239 min Scan# 3600
Delta R.T. -0.009 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:252 Resp: 43216

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	11.9	4.6	6.8#

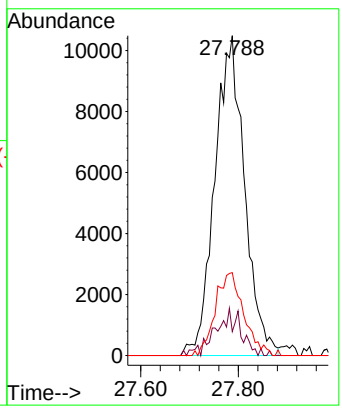




#91
Dibenzo(a,h)anthracene
Concen: 4.703 ng
RT: 27.788 min Scan# 4
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:278 Resp: 4449

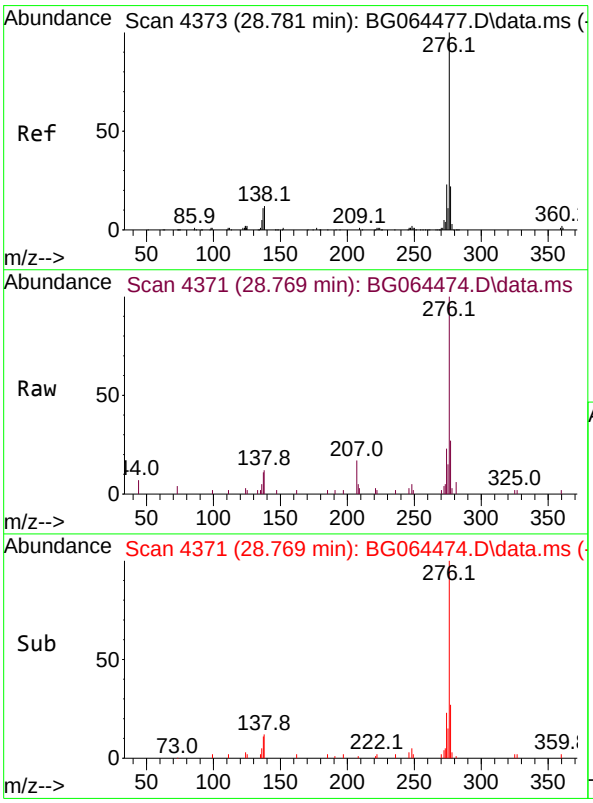
Ion	Ratio	Lower	Upper
278	100		
139	7.5	8.2	12.2#
279	25.9	19.6	29.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

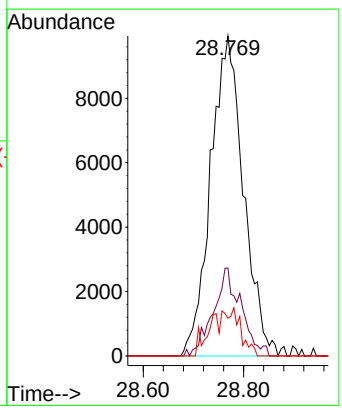
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#92
Benzo(g,h,i)perylene
Concen: 4.896 ng
RT: 28.769 min Scan# 4371
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:276 Resp: 45019

Ion	Ratio	Lower	Upper
276	100		
277	27.4	17.8	26.6#
138	11.8	9.4	14.0



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064476.D
Acq On : 2 Oct 2025 11:33
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 02 16:52:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.829	152	19357	20.000	ng		# 0.00
21) Naphthalene-d8	10.608	136	83888	20.000	ng		# 0.00
39) Acenaphthene-d10	14.451	164	65289	20.000	ng		0.00
64) Phenanthrene-d10	17.189	188	165571	20.000	ng		0.00
76) Chrysene-d12	21.413	240	165934	20.000	ng		0.00
86) Perylene-d12	24.392	264	174482	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	40783	38.992	ng		0.00
7) Phenol-d6	6.995	99	55968	39.819	ng		0.00
23) Nitrobenzene-d5	8.975	82	63357	40.610	ng		0.00
42) 2,4,6-Tribromophenol	15.937	330	47936	40.505	ng		0.00
45) 2-Fluorobiphenyl	13.070	172	175754	39.679	ng		0.00
79) Terphenyl-d14	19.803	244	354811	40.467	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.328	88	8654	20.918	ng		88
3) Pyridine	3.716	79	22205	19.971	ng		94
4) n-Nitrosodimethylamine	3.634	42	15299	18.981	ng	#	92
6) Aniline	7.147	93	35362	19.945	ng		95
8) 2-Chlorophenol	7.388	128	25393	19.771	ng		94
9) Benzaldehyde	6.959	77	20107m	16.115	ng		
10) Phenol	7.018	94	29612	19.971	ng		96
11) bis(2-Chloroethyl)ether	7.247	93	19393	19.313	ng		87
12) 1,3-Dichlorobenzene	7.711	146	27013	19.226	ng		92
13) 1,4-Dichlorobenzene	7.858	146	28112	19.936	ng		90
14) 1,2-Dichlorobenzene	8.170	146	27767	19.980	ng		96
15) Benzyl Alcohol	8.058	79	25165	19.441	ng		89
16) 2,2'-oxybis(1-Chloropr...	8.340	45	32082	19.821	ng		99
17) 2-Methylphenol	8.264	107	21032	19.589	ng		91
18) Hexachloroethane	8.904	117	10342	18.581	ng		93
19) n-Nitroso-di-n-propyla...	8.622	70	19471	20.713	ng		93
20) 3+4-Methylphenols	8.593	107	29225	19.505	ng		94
22) Acetophenone	8.640	105	39987	19.687	ng	#	91
24) Nitrobenzene	9.016	77	29530	18.981	ng		96
25) Isophorone	9.539	82	56538	20.004	ng		98
26) 2-Nitrophenol	9.727	139	15208	19.641	ng		86
27) 2,4-Dimethylphenol	9.786	122	23391	19.778	ng		91
28) bis(2-Chloroethoxy)met...	10.021	93	30279	21.017	ng	#	92
29) 2,4-Dichlorophenol	10.261	162	26929	19.691	ng		97
30) 1,2,4-Trichlorobenzene	10.473	180	30204	20.255	ng		99
31) Naphthalene	10.661	128	84975	19.671	ng		98
32) Benzoic acid	9.909	122	16621m	18.305	ng		
33) 4-Chloroaniline	10.773	127	31287	18.874	ng		95
34) Hexachlorobutadiene	10.949	225	25803	20.205	ng		92
35) Caprolactam	11.525	113	10044	21.453	ng	#	83
36) 4-Chloro-3-methylphenol	11.895	107	32921	19.795	ng	#	89
37) 2-Methylnaphthalene	12.271	142	66302	19.995	ng		92
38) 1-Methylnaphthalene	12.488	142	65599m	19.840	ng		
40) 1,2,4,5-Tetrachloroben...	12.641	216	40584	19.252	ng		98
41) Hexachlorocyclopentadiene	12.623	237	19309	17.510	ng		90
43) 2,4,6-Trichlorophenol	12.876	196	25830	19.167	ng		95

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064476.D
Acq On : 2 Oct 2025 11:33
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 02 16:52:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.958	196	28101	18.678	ng		89
46) 1,1'-Biphenyl	13.281	154	92485	19.695	ng		99
47) 2-Chloronaphthalene	13.323	162	68272	19.473	ng		98
48) 2-Nitroaniline	13.522	65	24212	20.234	ng		91
49) Acenaphthylene	14.169	152	102668	19.727	ng		98
50) Dimethylphthalate	13.904	163	103311	20.204	ng		96
51) 2,6-Dinitrotoluene	14.022	165	21899	20.559	ng		93
52) Acenaphthene	14.515	154	70884	19.604	ng		100
53) 3-Nitroaniline	14.351	138	19604	19.956	ng		94
54) 2,4-Dinitrophenol	14.562	184	17644	22.843	ng	#	77
55) Dibenzofuran	14.850	168	117496	19.680	ng		100
56) 4-Nitrophenol	14.668	139	14837	19.183	ng		90
57) 2,4-Dinitrotoluene	14.809	165	31862	19.567	ng		97
58) Fluorene	15.496	166	100209	20.190	ng	#	97
59) 2,3,4,6-Tetrachlorophenol	15.079	232	31023	20.205	ng	#	97
60) Diethylphthalate	15.273	149	109604	19.981	ng		97
61) 4-Chlorophenyl-phenyle...	15.491	204	54751	20.205	ng		92
62) 4-Nitroaniline	15.508	138	21595	21.091	ng	#	88
63) Azobenzene	15.784	77	86539	20.370	ng		96
65) 4,6-Dinitro-2-methylph...	15.579	198	22989	19.942	ng		92
66) n-Nitrosodiphenylamine	15.708	169	88367	19.986	ng		94
67) 4-Bromophenyl-phenylether	16.384	248	37623	19.310	ng		94
68) Hexachlorobenzene	16.501	284	45002	20.185	ng		99
69) Atrazine	16.654	200	40855	20.769	ng		98
70) Pentachlorophenol	16.842	266	24237	18.593	ng		93
71) Phenanthrene	17.230	178	174598	20.165	ng		98
72) Anthracene	17.324	178	172893	19.904	ng		97
73) Carbazole	17.588	167	149710	19.939	ng		97
74) Di-n-butylphthalate	18.158	149	182903	19.955	ng		99
75) Fluoranthene	19.239	202	210637	20.363	ng		98
77) Benzidine	19.421	184	70399	17.050	ng		99
78) Pyrene	19.603	202	218448	20.286	ng		97
80) Butylbenzylphthalate	20.496	149	77010	20.174	ng		96
81) Benzo(a)anthracene	21.395	228	213165	20.119	ng		98
82) 3,3'-Dichlorobenzidine	21.319	252	71567	19.958	ng		99
83) Chrysene	21.454	228	198263	19.732	ng		96
84) Bis(2-ethylhexyl)phtha...	21.319	149	106271	19.731	ng		98
85) Di-n-octyl phthalate	22.441	149	174229	19.247	ng		99
87) Indeno(1,2,3-cd)pyrene	27.735	276	240423	19.796	ng		99
88) Benzo(b)fluoranthene	23.446	252	204393	20.591	ng		98
89) Benzo(k)fluoranthene	23.511	252	199853	19.991	ng		98
90) Benzo(a)pyrene	24.245	252	184712	20.191	ng		98
91) Dibenzo(a,h)anthracene	27.782	278	195555	20.134	ng	#	96
92) Benzo(g,h,i)perylene	28.769	276	189789	20.108	ng	#	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

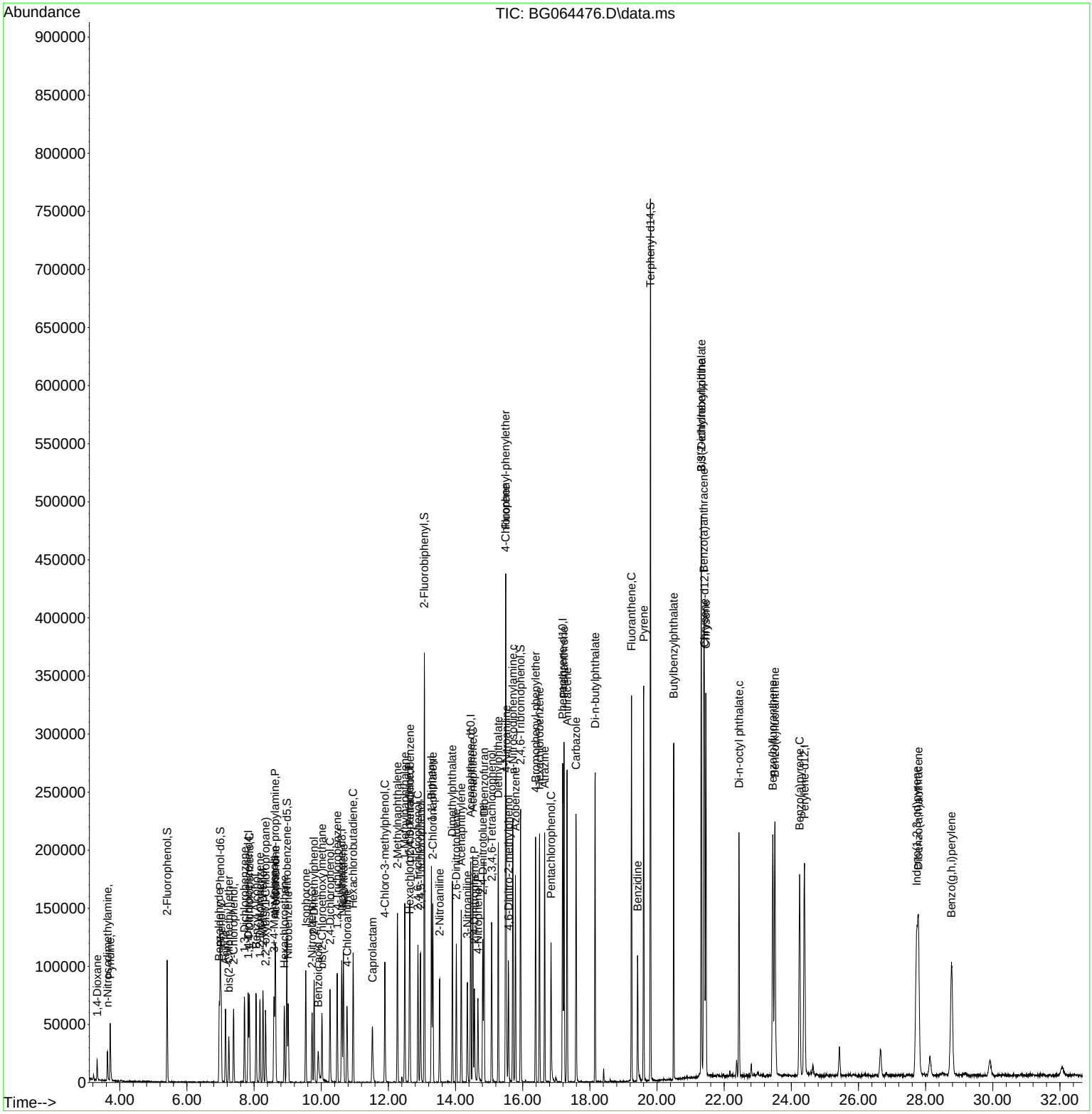
Quantitation Report (QT Reviewed)

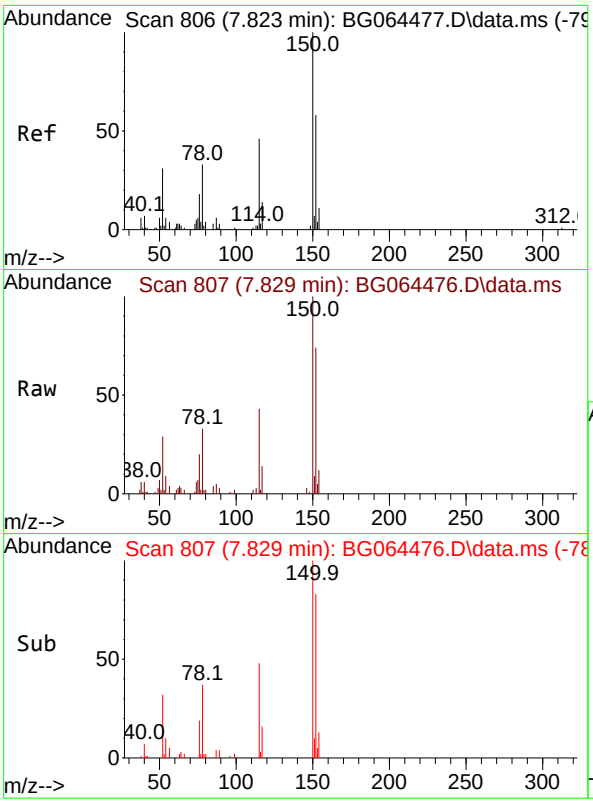
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064476.D
Acq On : 2 Oct 2025 11:33
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 02 16:52:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

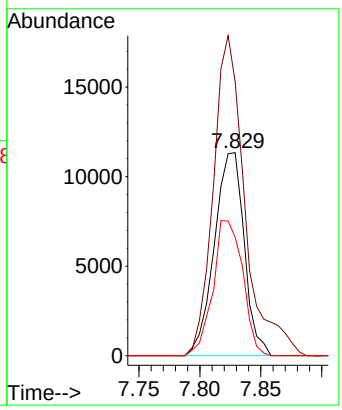




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.829 min Scan# 8
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:152 Resp: 1935

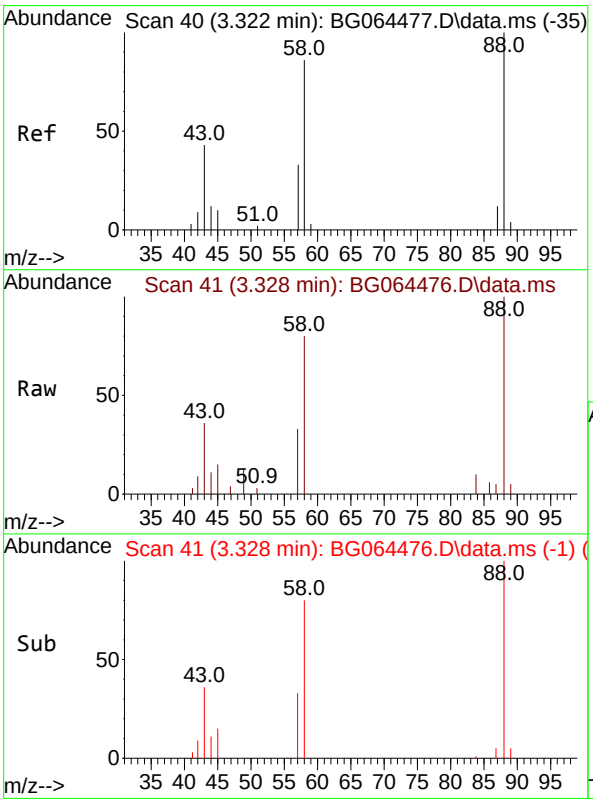
Ion	Ratio	Lower	Upper
152	100		
150	134.9	138.6	207.8#
115	58.4	63.4	95.2#



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

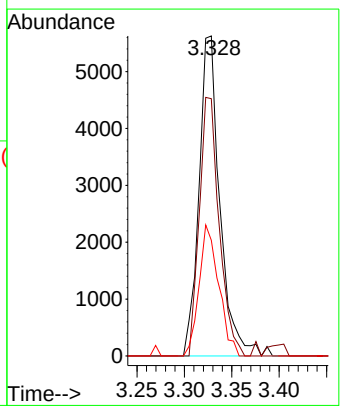
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

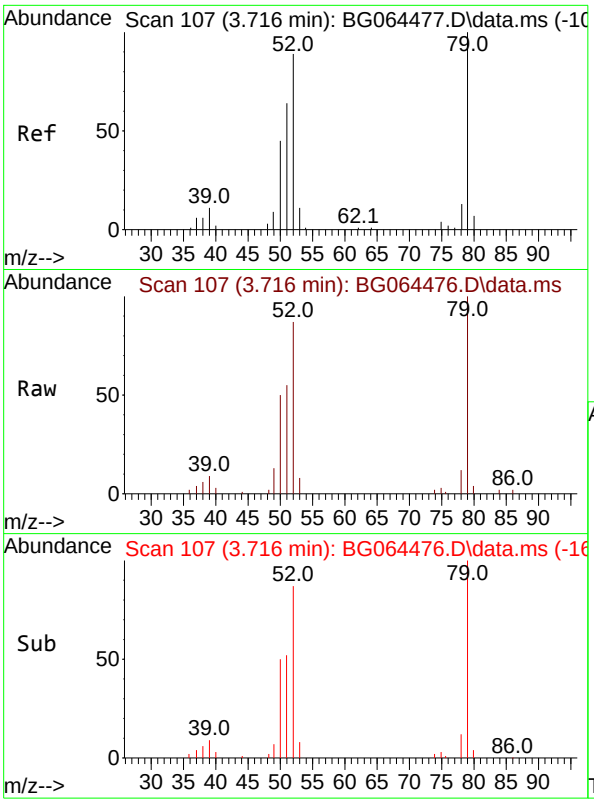


#2
1,4-Dioxane
Concen: 20.918 ng
RT: 3.328 min Scan# 41
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 88 Resp: 8654

Ion	Ratio	Lower	Upper
88	100		
58	76.5	69.8	104.6
43	38.5	37.4	56.0

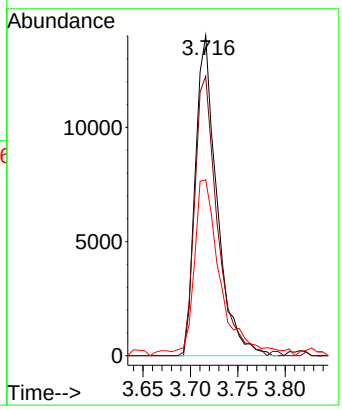




#3
Pyridine
Concen: 19.971 ng
RT: 3.716 min Scan# 1(
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 79 Resp: 2220

Ion	Ratio	Lower	Upper
79	100		
52	87.3	71.0	106.4
51	54.9	51.0	76.6

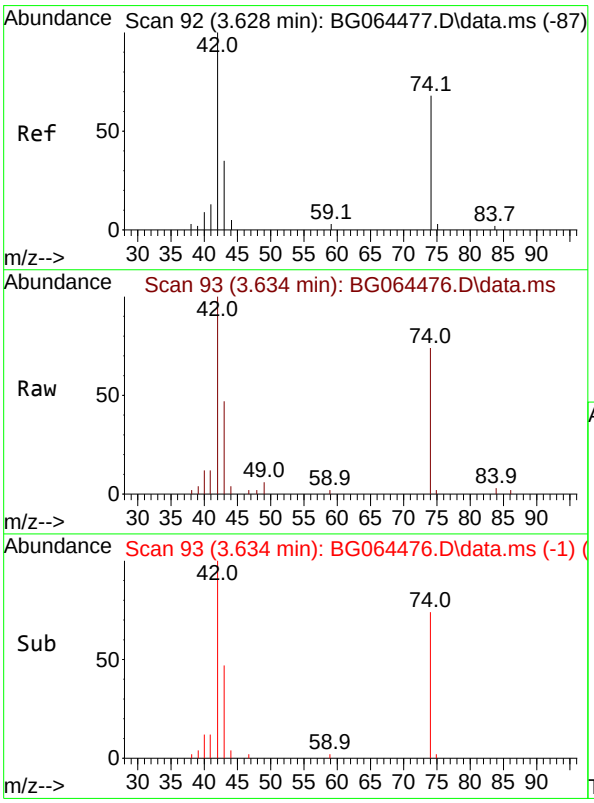


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

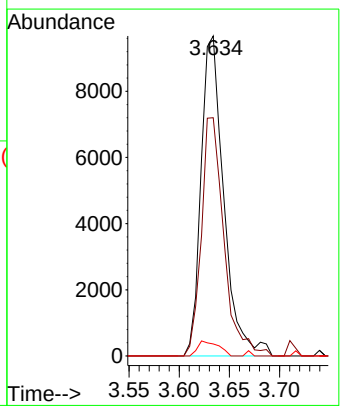
Supervised By :Jagrut Upadhyay
10/03/2025

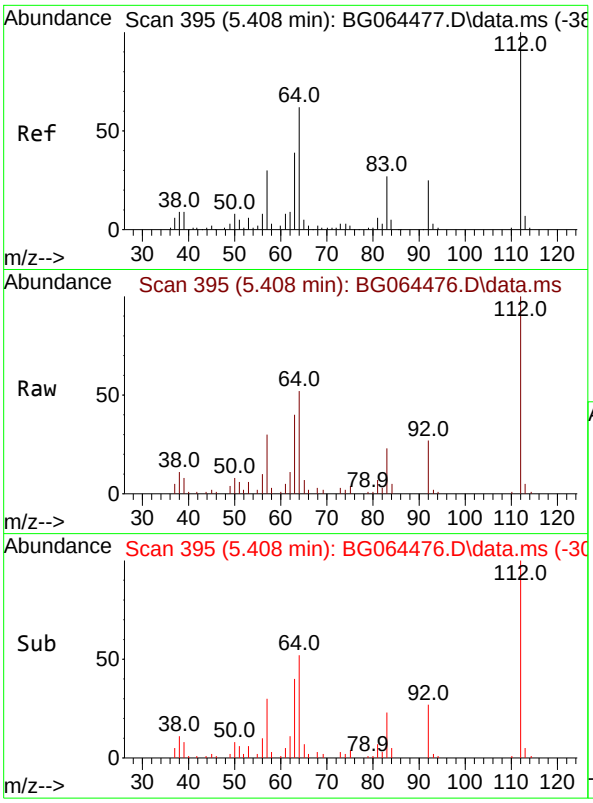


#4
n-Nitrosodimethylamine
Concen: 18.981 ng
RT: 3.634 min Scan# 93
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 42 Resp: 15299

Ion	Ratio	Lower	Upper
42	100		
74	74.5	54.2	81.4
44	3.7	4.2	6.2#

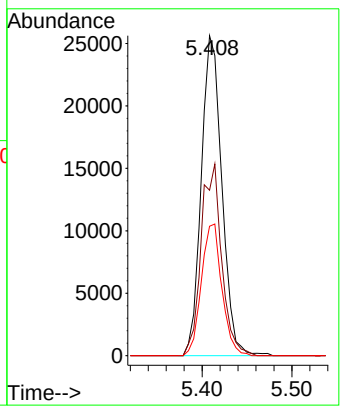




#5
2-Fluorophenol
Concen: 38.992 ng
RT: 5.408 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:112 Resp: 4078

Ion	Ratio	Lower	Upper
112	100		
64	51.7	49.8	74.8
63	40.4	31.3	46.9

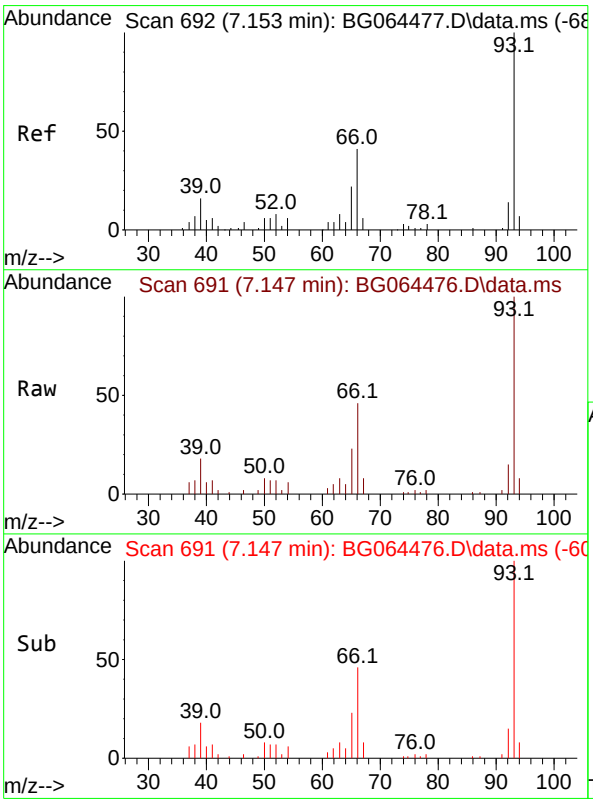


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

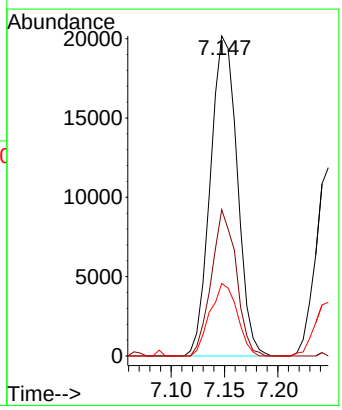
Supervised By :Jagrut Upadhyay
10/03/2025

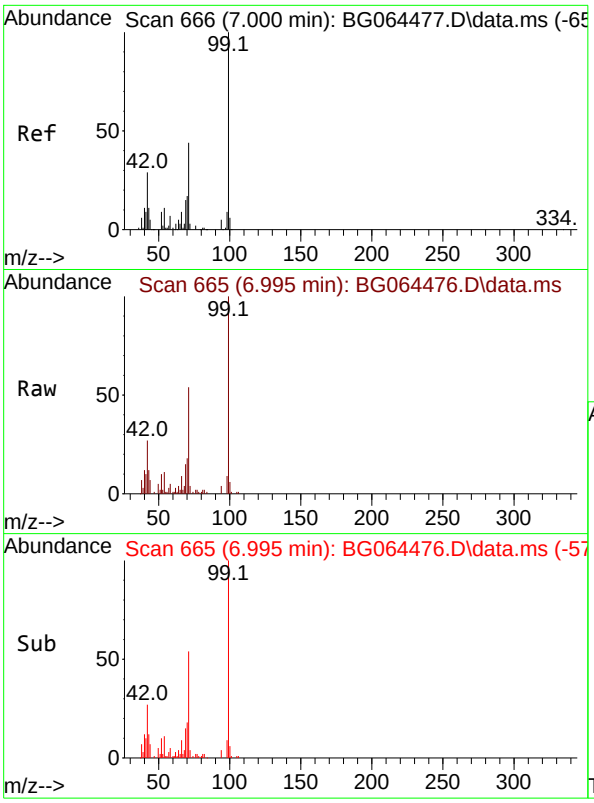


#6
Aniline
Concen: 19.945 ng
RT: 7.147 min Scan# 691
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 93 Resp: 35362

Ion	Ratio	Lower	Upper
93	100		
66	45.7	33.0	49.4
65	22.7	17.5	26.3

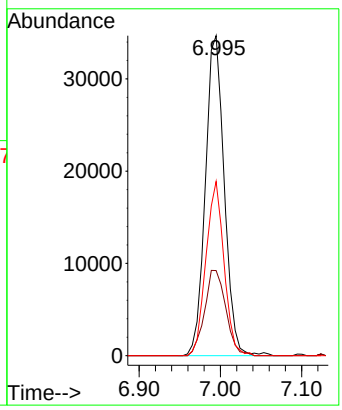




#7
Phenol-d6
Concen: 39.819 ng
RT: 6.995 min Scan# 6
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 99 Resp: 5596

Ion	Ratio	Lower	Upper
99	100		
42	26.6	22.9	34.3
71	54.5	35.4	53.2

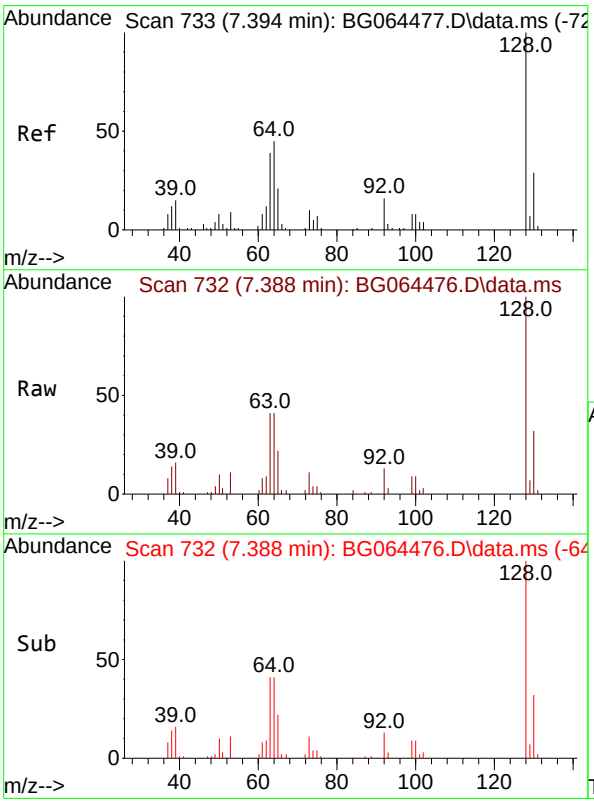


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

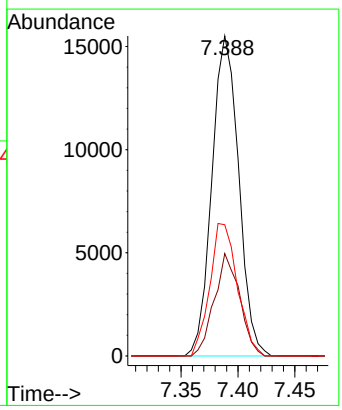
Supervised By :Jagrut Upadhyay
10/03/2025

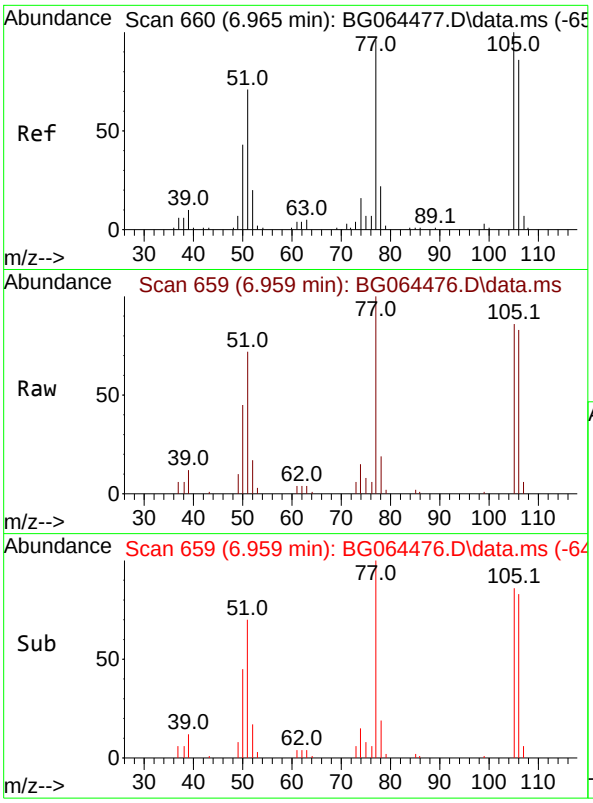


#8
2-Chlorophenol
Concen: 19.771 ng
RT: 7.388 min Scan# 732
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:128 Resp: 25393

Ion	Ratio	Lower	Upper
128	100		
130	32.0	9.2	49.2
64	41.0	25.5	65.5

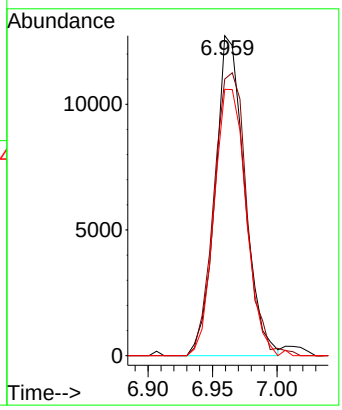




#9
Benzaldehyde
Concen: 16.115 ng m
RT: 6.959 min Scan# 6
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 77 Resp: 2010

Ion	Ratio	Lower	Upper
77	100		
105	86.5	83.7	123.7
106	83.3	69.4	109.4

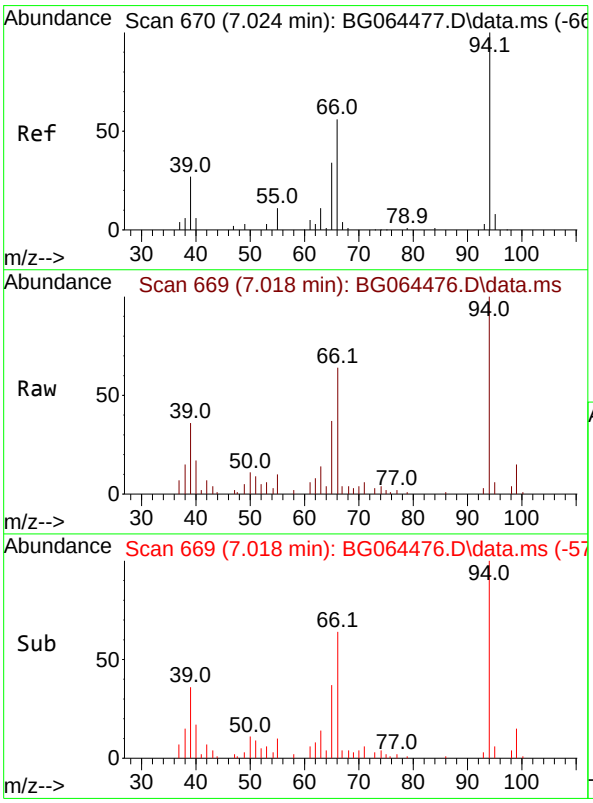


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

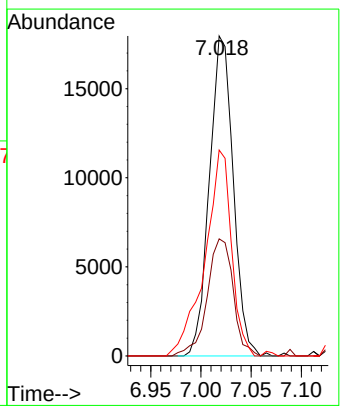
Supervised By :Jagrut Upadhyay
10/03/2025

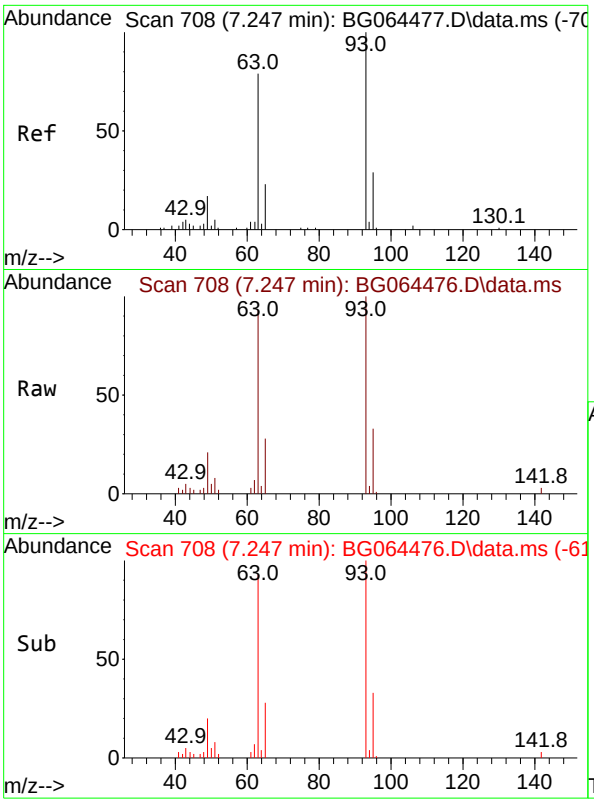


#10
Phenol
Concen: 19.971 ng
RT: 7.018 min Scan# 669
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 94 Resp: 29612

Ion	Ratio	Lower	Upper
94	100		
65	36.6	14.8	54.8
66	64.3	41.4	81.4

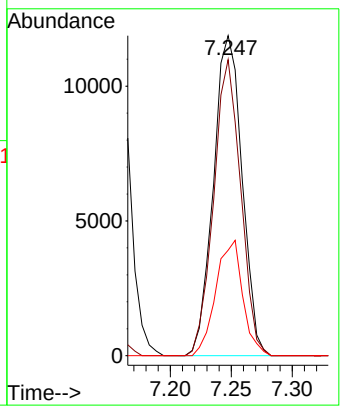




#11
bis(2-Chloroethyl)ether
Concen: 19.313 ng
RT: 7.247 min Scan# 7
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 93 Resp: 1939

Ion	Ratio	Lower	Upper
93	100		
63	92.5	59.5	99.5
95	32.9	8.8	48.8

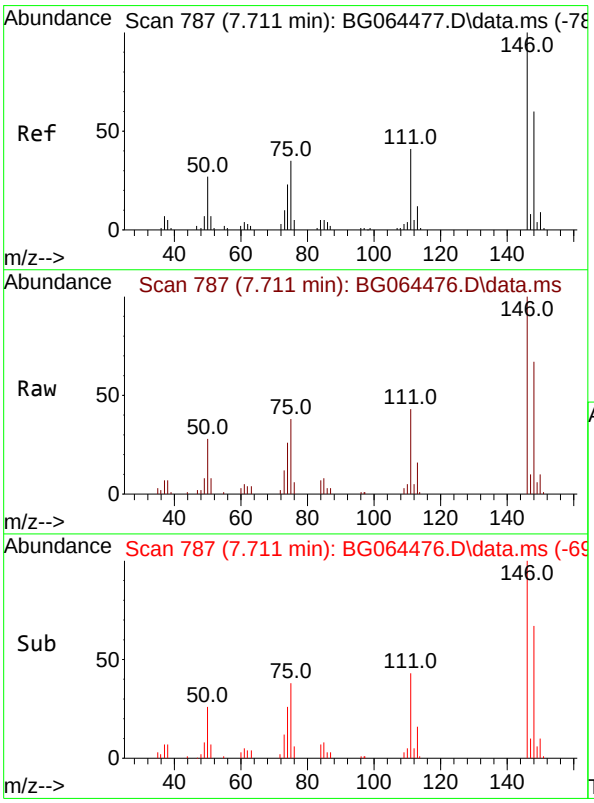


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

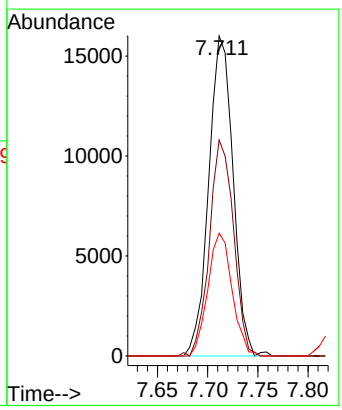
Supervised By :Jagrut Upadhyay
10/03/2025

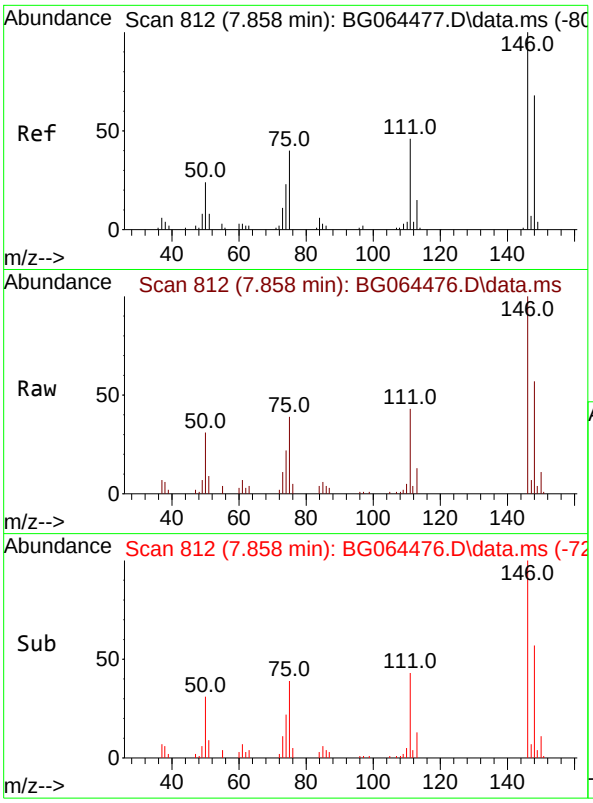


#12
1,3-Dichlorobenzene
Concen: 19.226 ng
RT: 7.711 min Scan# 787
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:146 Resp: 27013

Ion	Ratio	Lower	Upper
146	100		
148	67.4	48.4	72.6
75	38.4	28.3	42.5

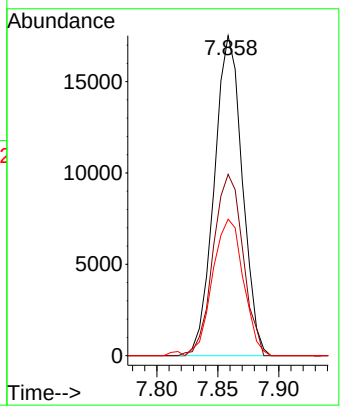




#13
1,4-Dichlorobenzene
Concen: 19.936 ng
RT: 7.858 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:146 Resp: 2811

Ion	Ratio	Lower	Upper
146	100		
148	56.7	54.4	81.6
111	42.7	36.5	54.7

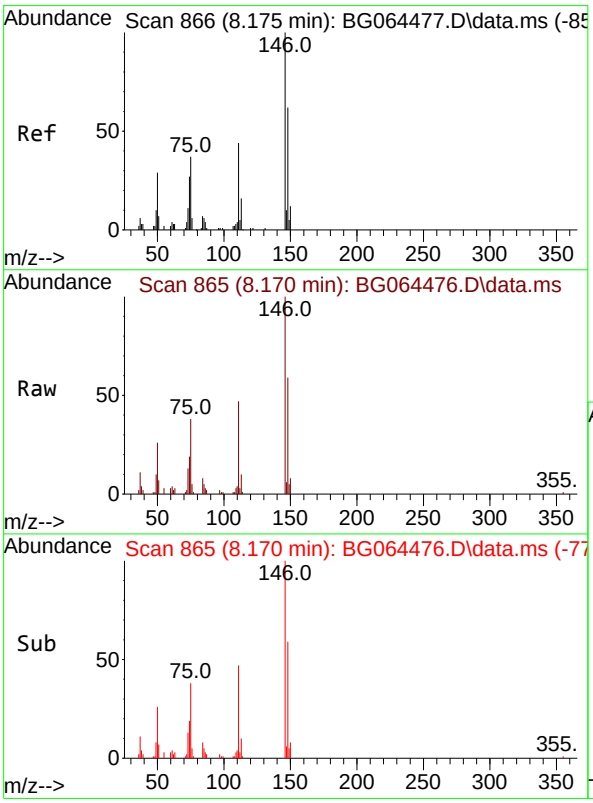


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

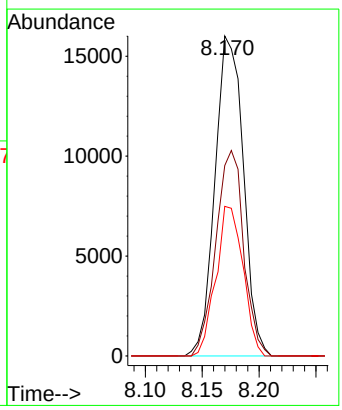
Supervised By :Jagrut Upadhyay
10/03/2025

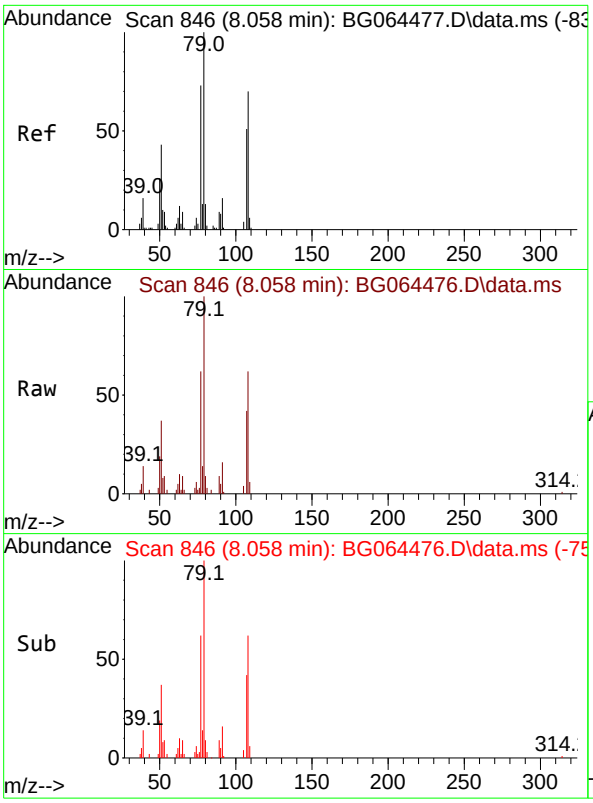


#14
1,2-Dichlorobenzene
Concen: 19.980 ng
RT: 8.170 min Scan# 865
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:146 Resp: 27767

Ion	Ratio	Lower	Upper
146	100		
148	59.5	50.0	75.0
111	46.8	35.0	52.4

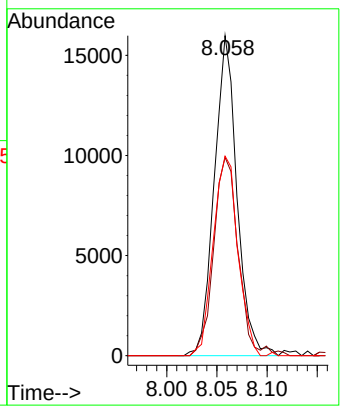




#15
Benzyl Alcohol
Concen: 19.441 ng
RT: 8.058 min Scan# 84
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 79 Resp: 2516

Ion	Ratio	Lower	Upper
79	100		
108	62.0	56.4	84.6
77	62.4	58.3	87.5

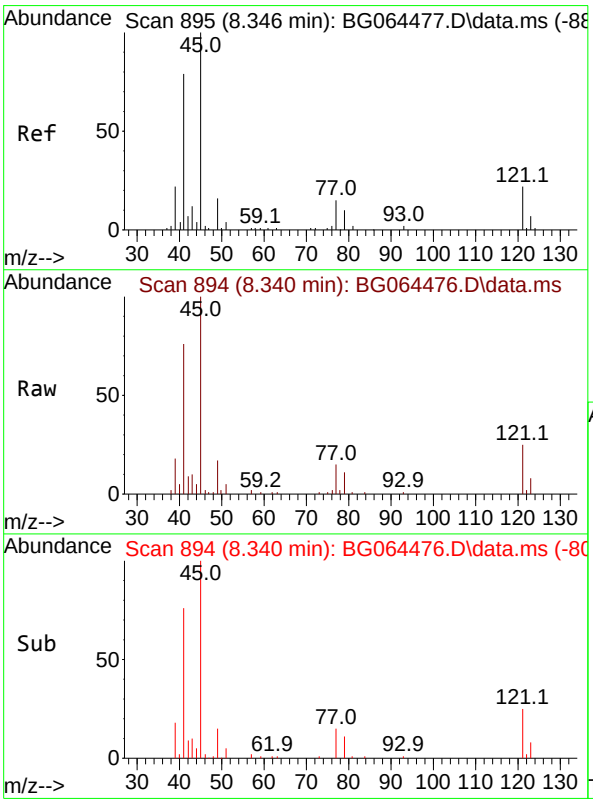


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

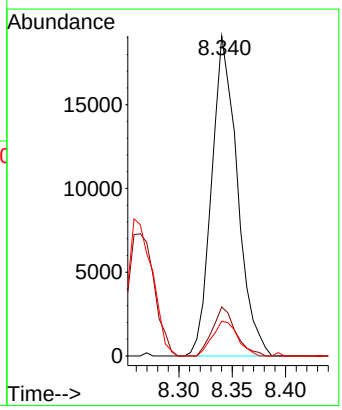
Supervised By :Jagrut Upadhyay
10/03/2025

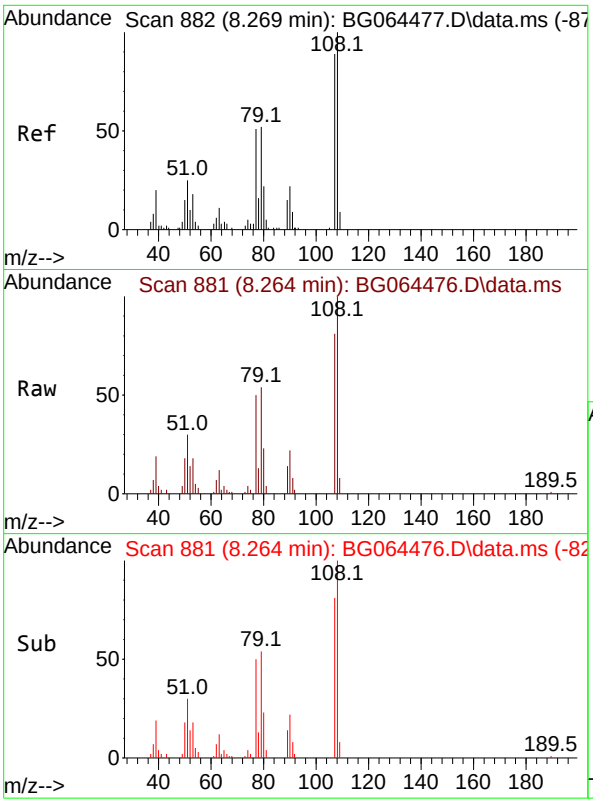


#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.821 ng
RT: 8.340 min Scan# 894
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 45 Resp: 32082

Ion	Ratio	Lower	Upper
45	100		
77	15.3	0.0	35.6
79	10.9	0.0	30.7

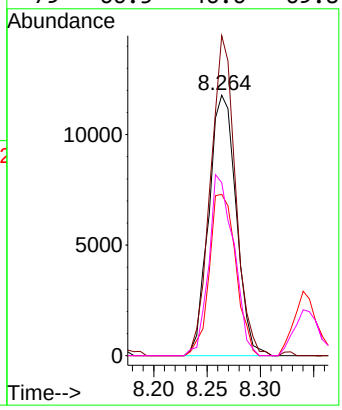




#17
2-Methylphenol
Concen: 19.589 ng
RT: 8.264 min Scan# 8
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:107 Resp: 2103

Ion	Ratio	Lower	Upper
107	100		
108	122.8	90.3	135.5
77	61.9	46.0	69.0
79	66.5	46.6	69.8

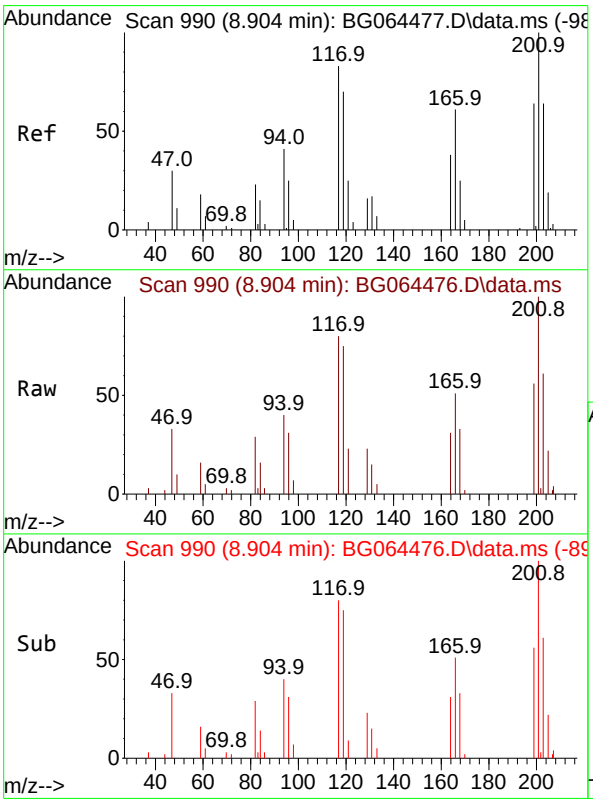


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

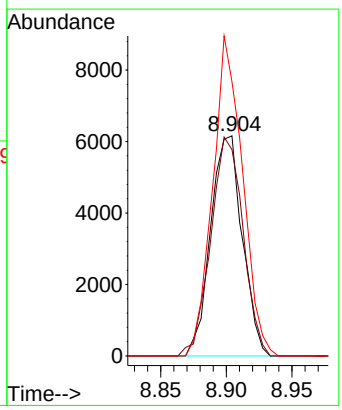
Supervised By :Jagrut Upadhyay
10/03/2025

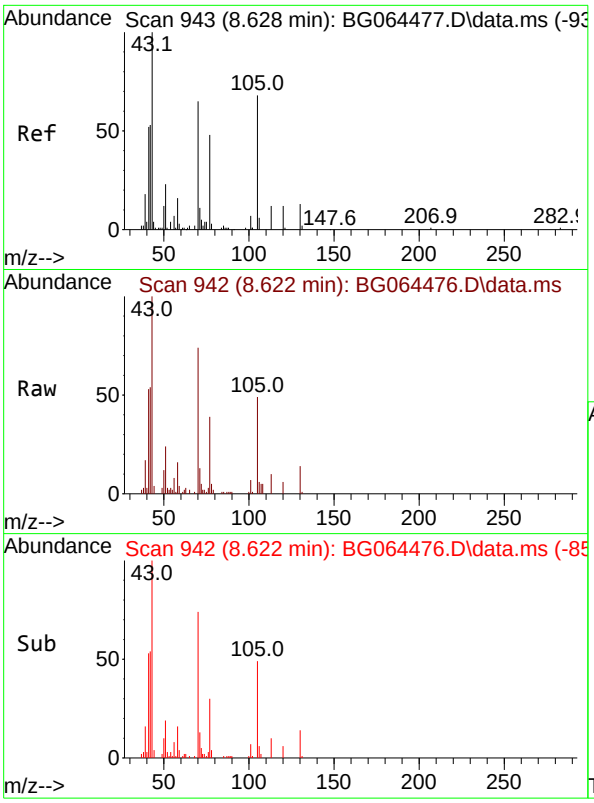


#18
Hexachloroethane
Concen: 18.581 ng
RT: 8.904 min Scan# 990
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:117 Resp: 10342

Ion	Ratio	Lower	Upper
117	100		
119	93.7	67.4	101.0
201	124.6	95.9	143.9

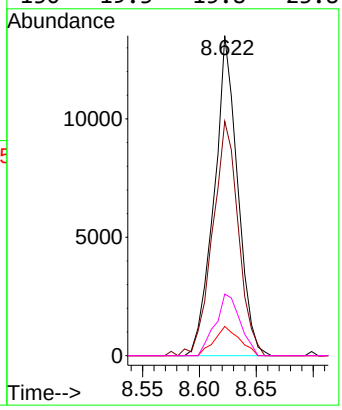




#19
n-Nitroso-di-n-propylamine
Concen: 20.713 ng
RT: 8.622 min Scan# 94
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 70 Resp: 1947

Ion	Ratio	Lower	Upper
70	100		
42	73.2	64.9	97.3
101	9.2	8.7	13.1
130	19.3	15.8	23.8

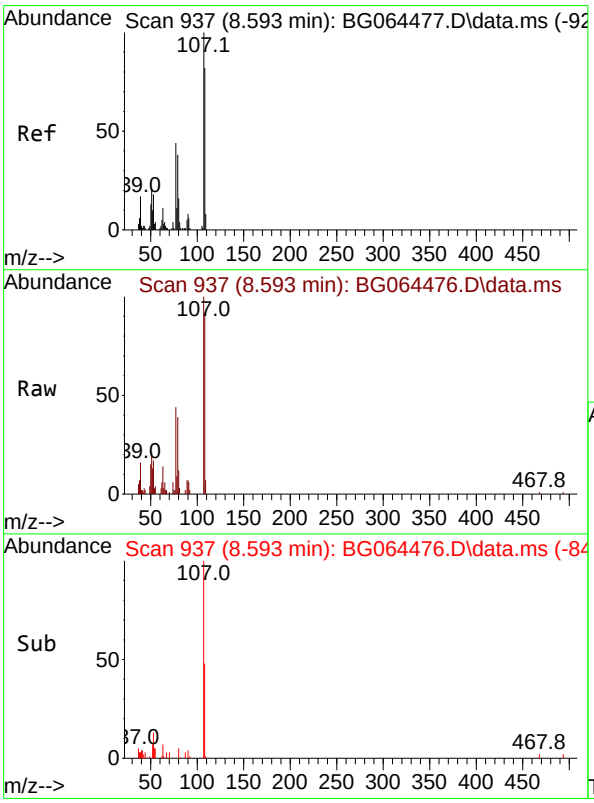


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

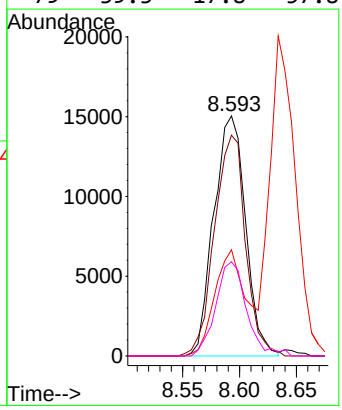
Supervised By :Jagrut Upadhyay
10/03/2025

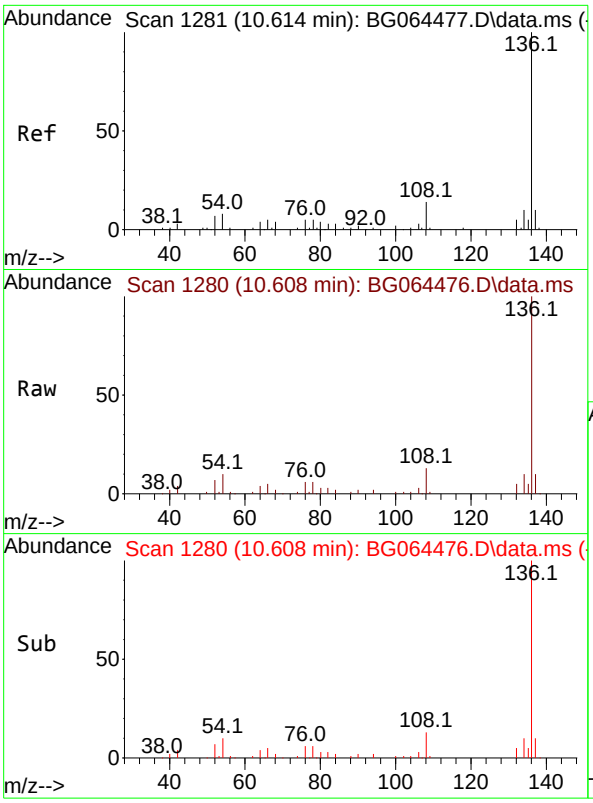


#20
3+4-Methylphenols
Concen: 19.505 ng
RT: 8.593 min Scan# 937
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:107 Resp: 29225

Ion	Ratio	Lower	Upper
107	100		
108	92.0	62.1	102.1
77	44.3	23.5	63.5
79	39.3	17.8	57.8

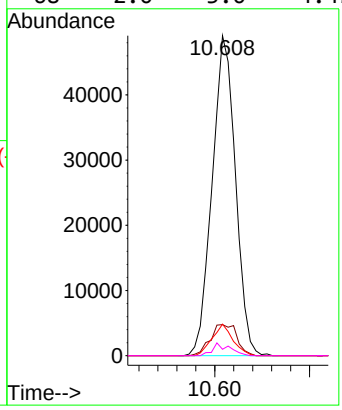




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.608 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:136 Resp: 8388

Ion	Ratio	Lower	Upper
136	100		
137	9.7	8.3	12.5
54	9.8	6.2	9.4#
68	2.0	3.0	4.4#

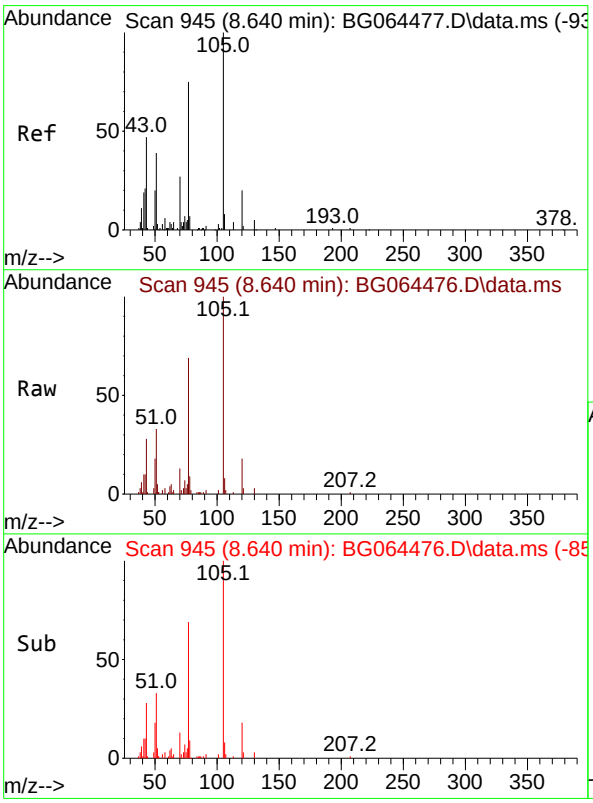


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

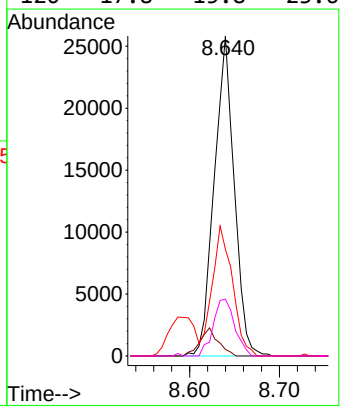
Supervised By :Jagrut Upadhyay
10/03/2025

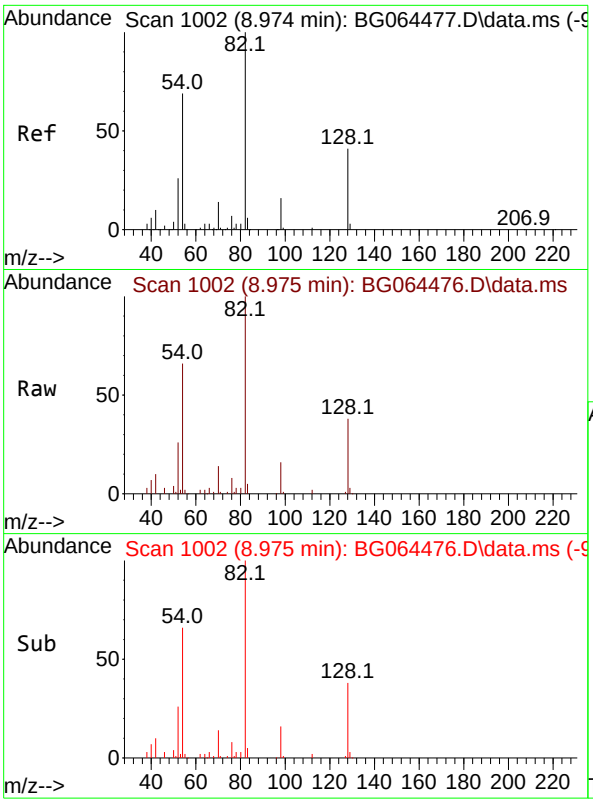


#22
Acetophenone
Concen: 19.687 ng
RT: 8.640 min Scan# 945
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:105 Resp: 39987

Ion	Ratio	Lower	Upper
105	100		
71	2.1	2.8	4.2#
51	33.4	33.0	49.4
120	17.8	15.8	23.6

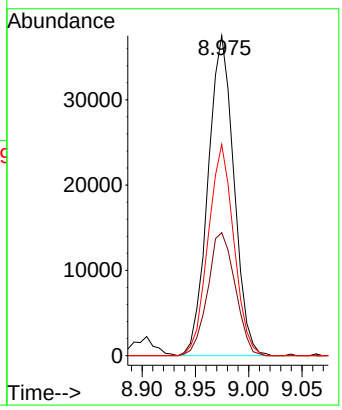




#23
Nitrobenzene-d5
Concen: 40.610 ng
RT: 8.975 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 82 Resp: 6335

Ion	Ratio	Lower	Upper
82	100		
128	38.4	33.1	49.7
54	66.0	55.4	83.2

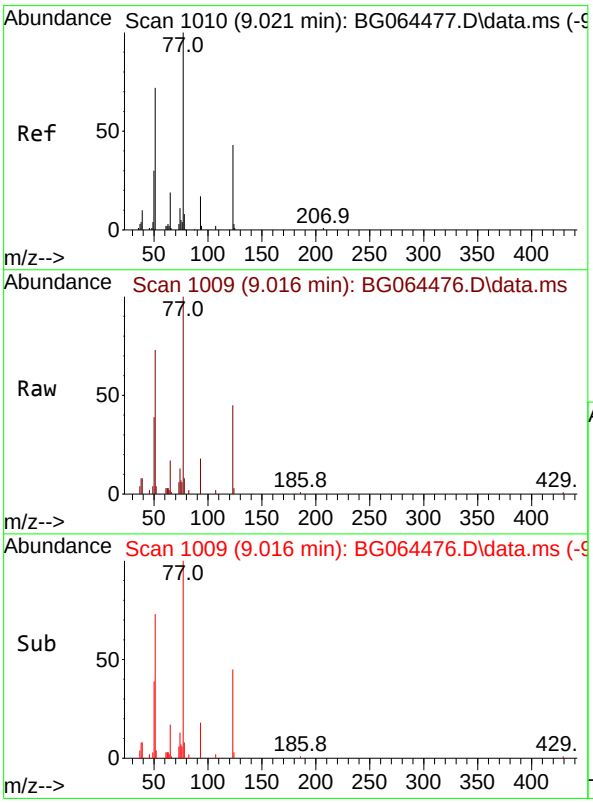


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

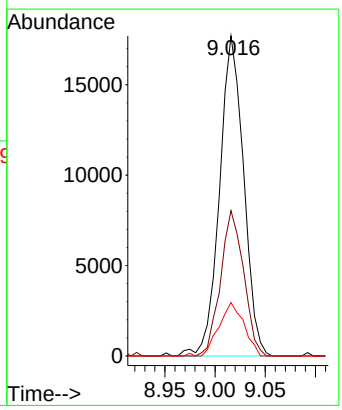
Supervised By :Jagrut Upadhyay
10/03/2025

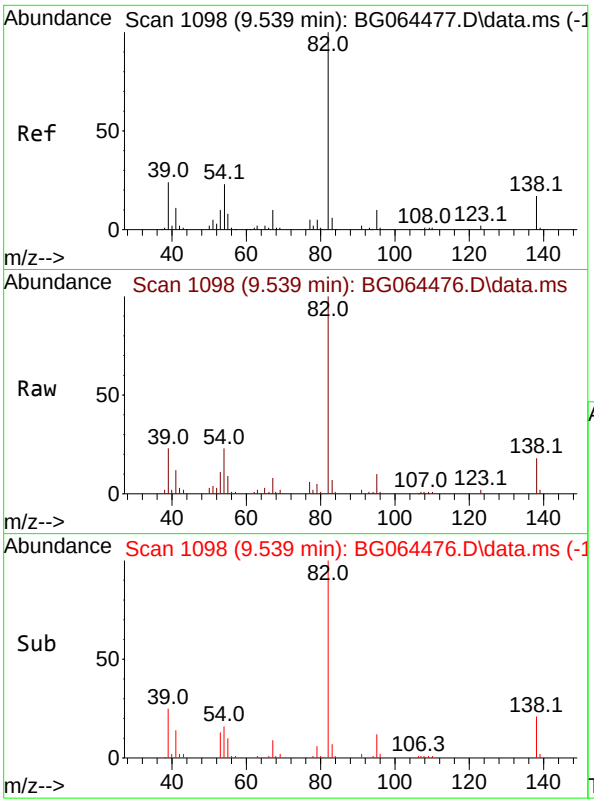


#24
Nitrobenzene
Concen: 18.981 ng
RT: 9.016 min Scan# 1009
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 77 Resp: 29530

Ion	Ratio	Lower	Upper
77	100		
123	45.4	34.4	51.6
65	16.7	14.8	22.2

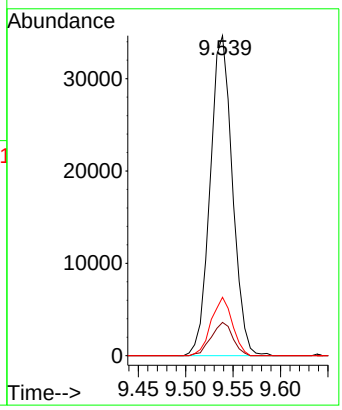




#25
Isophorone
Concen: 20.004 ng
RT: 9.539 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 82 Resp: 5653

Ion	Ratio	Lower	Upper
82	100		
95	10.4	7.8	11.8
138	18.3	13.8	20.6

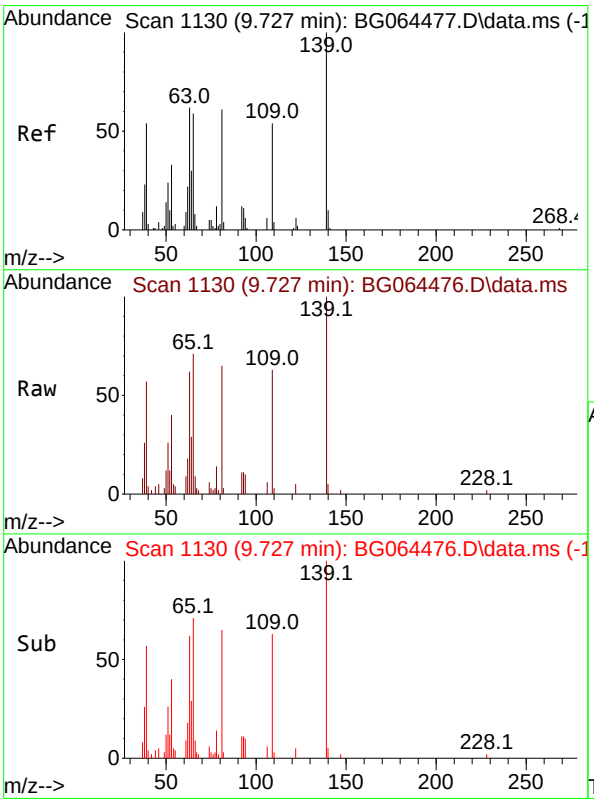


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

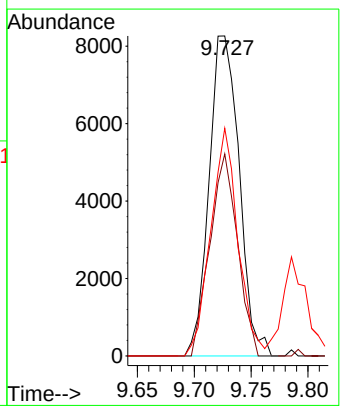
Supervised By :Jagrut Upadhyay
10/03/2025

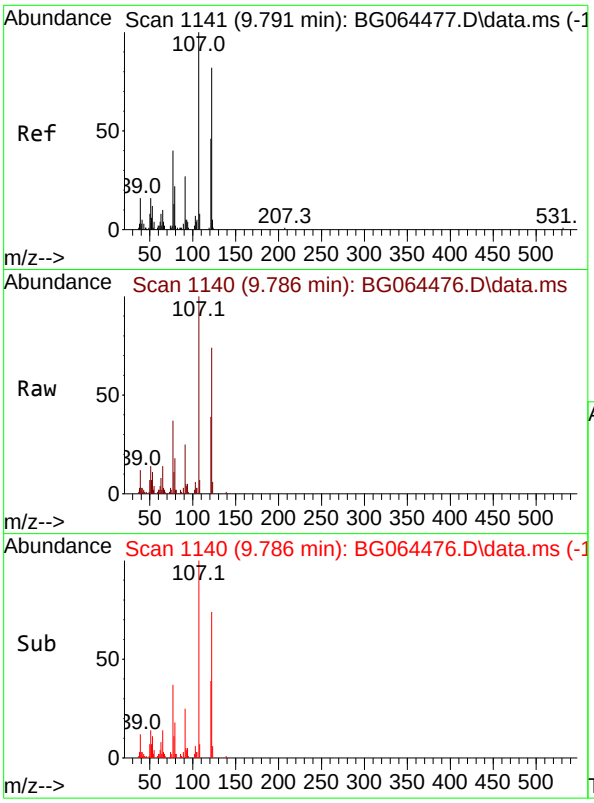


#26
2-Nitrophenol
Concen: 19.641 ng
RT: 9.727 min Scan# 1130
Delta R.T. 0.008 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:139 Resp: 15208

Ion	Ratio	Lower	Upper
139	100		
109	63.2	43.0	64.6
65	71.2	47.4	71.2

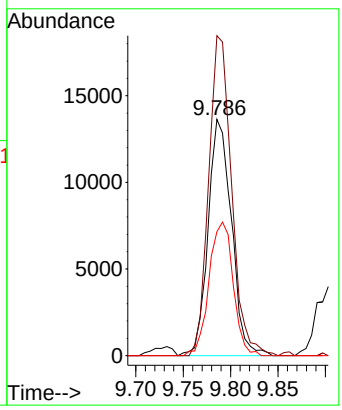




#27
2,4-Dimethylphenol
Concen: 19.778 ng
RT: 9.786 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:122 Resp: 2339

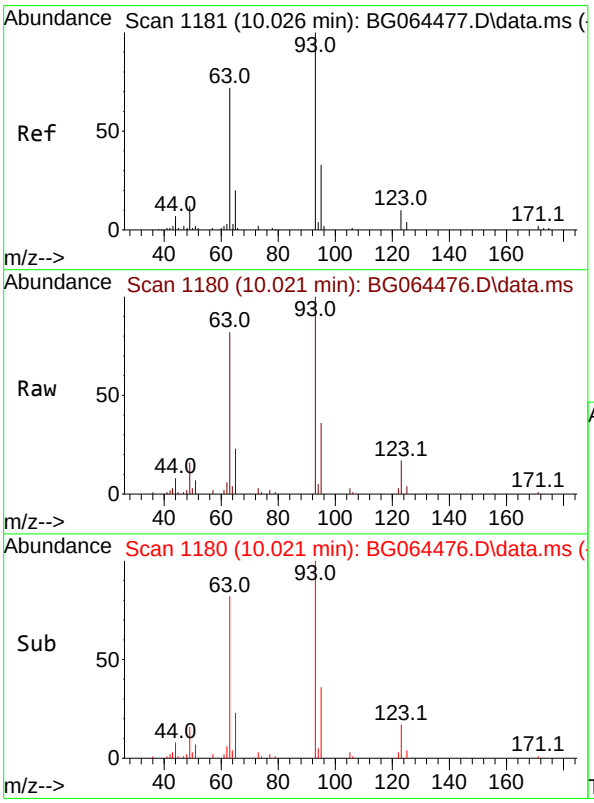
Ion	Ratio	Lower	Upper
122	100		
107	135.4	98.3	147.5
121	52.5	44.7	67.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

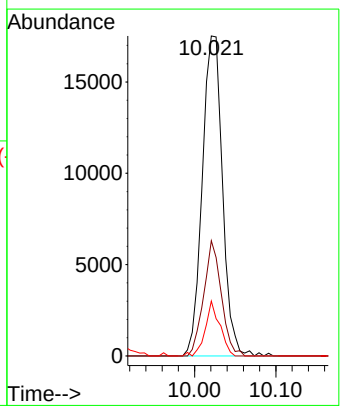
Reviewed By :Rahul Chavli
10/03/2025
Supervised By :Jagrut Upadhyay
10/03/2025

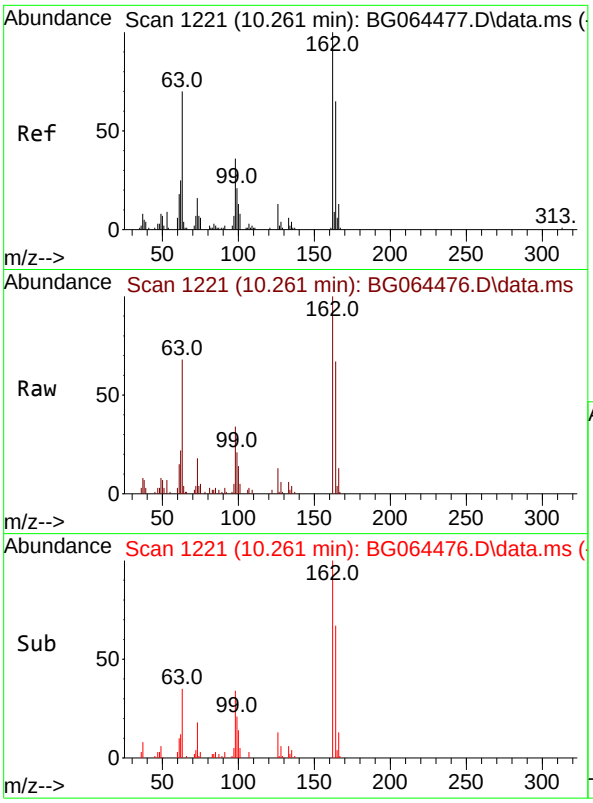


#28
bis(2-Chloroethoxy)methane
Concen: 21.017 ng
RT: 10.021 min Scan# 1180
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 93 Resp: 30279

Ion	Ratio	Lower	Upper
93	100		
95	36.0	26.5	39.7
123	17.2	8.9	13.3#

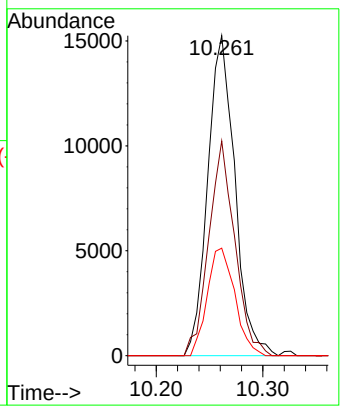




#29
2,4-Dichlorophenol
Concen: 19.691 ng
RT: 10.261 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:162 Resp: 2692

Ion	Ratio	Lower	Upper
162	100		
164	67.1	45.4	85.4
98	33.6	16.4	56.4

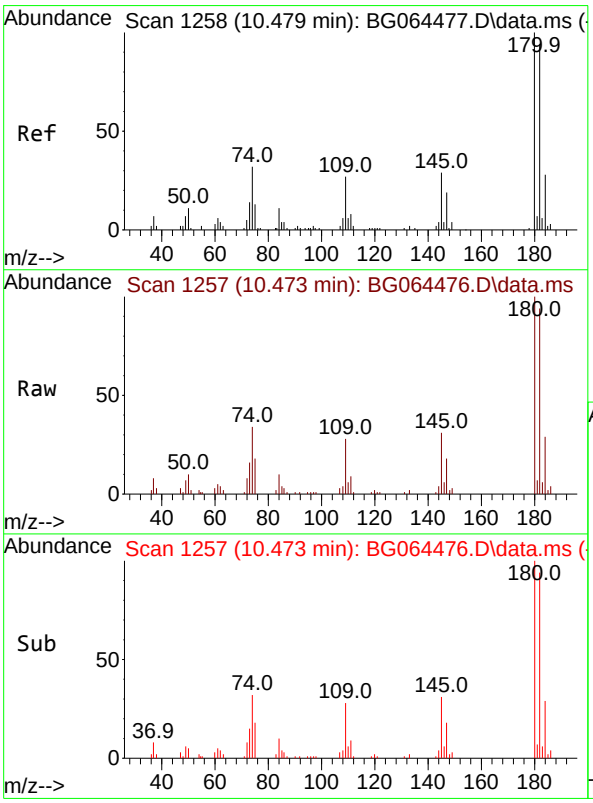


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

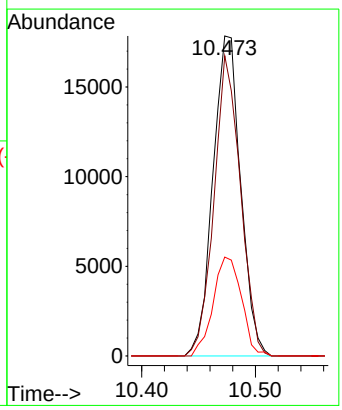
Supervised By :Jagrut Upadhyay
10/03/2025

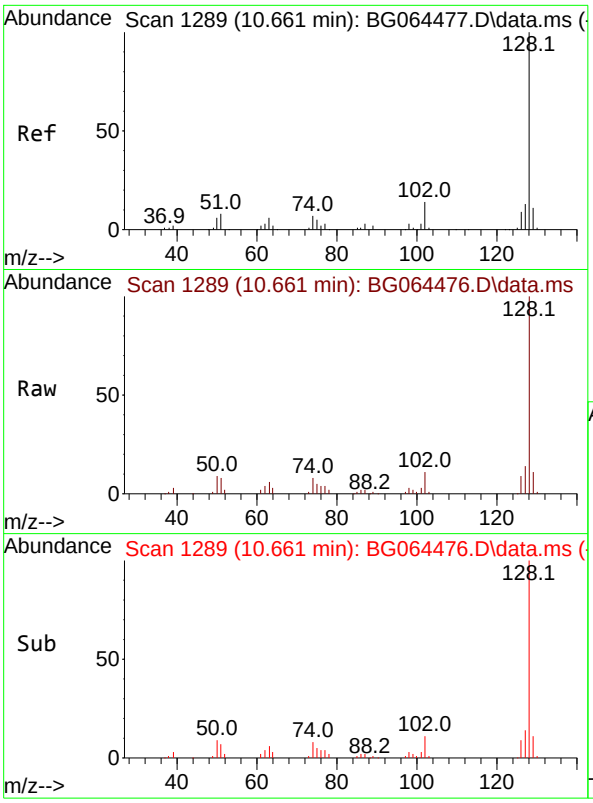


#30
1,2,4-Trichlorobenzene
Concen: 20.255 ng
RT: 10.473 min Scan# 1257
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:180 Resp: 30204

Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.4	113.2
145	30.9	23.2	34.8

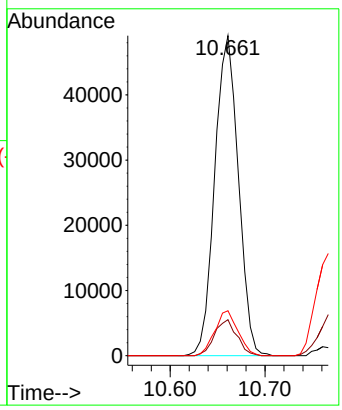




#31
Naphthalene
Concen: 19.671 ng
RT: 10.661 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:128 Resp: 8497

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.7	13.1
127	14.0	10.2	15.2

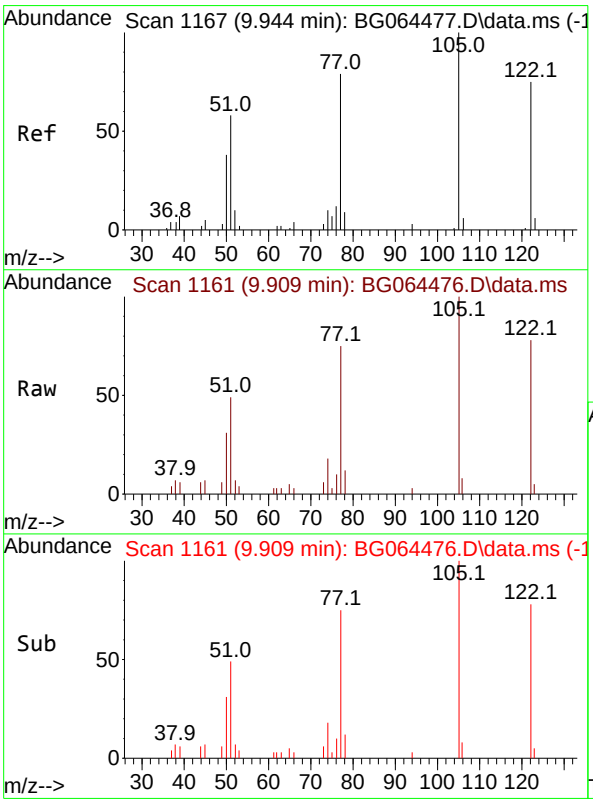


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

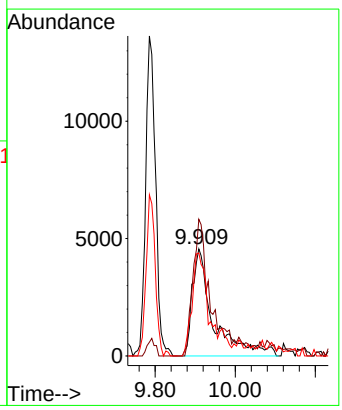
Supervised By :Jagrut Upadhyay
10/03/2025

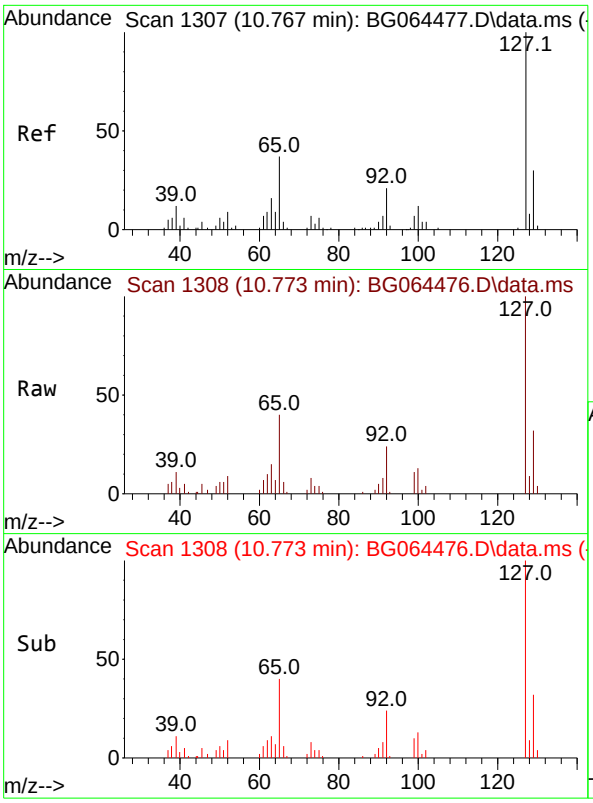


#32
Benzoic acid
Concen: 18.305 ng m
RT: 9.909 min Scan# 1161
Delta R.T. 0.020 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:122 Resp: 16621

Ion	Ratio	Lower	Upper
122	100		
105	127.6	113.9	153.9
77	96.3	86.1	126.1

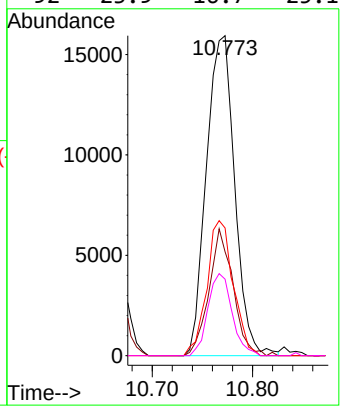




#33
4-Chloroaniline
Concen: 18.874 ng
RT: 10.773 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:127 Resp: 3128

Ion	Ratio	Lower	Upper
127	100		
129	32.5	24.2	36.4
65	39.9	29.6	44.4
92	23.9	16.7	25.1

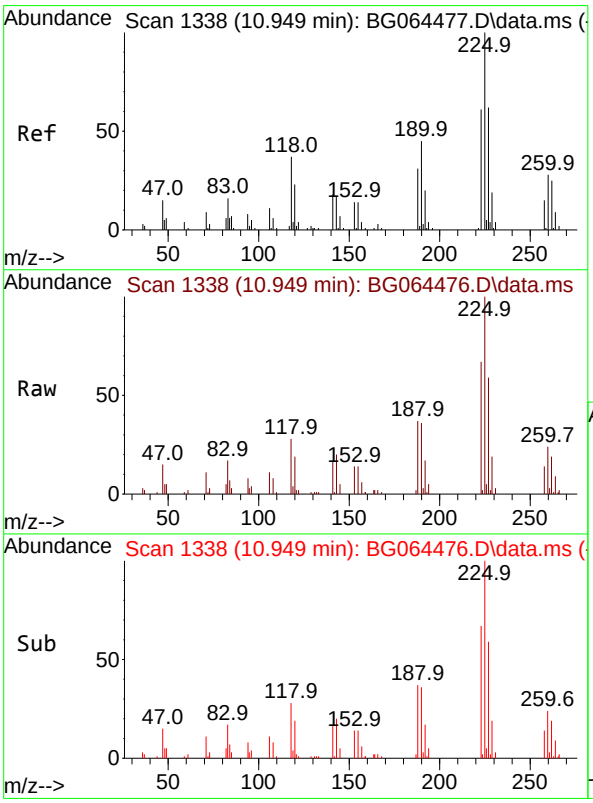


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

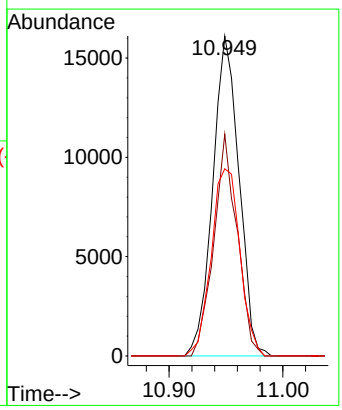
Supervised By :Jagrut Upadhyay
10/03/2025

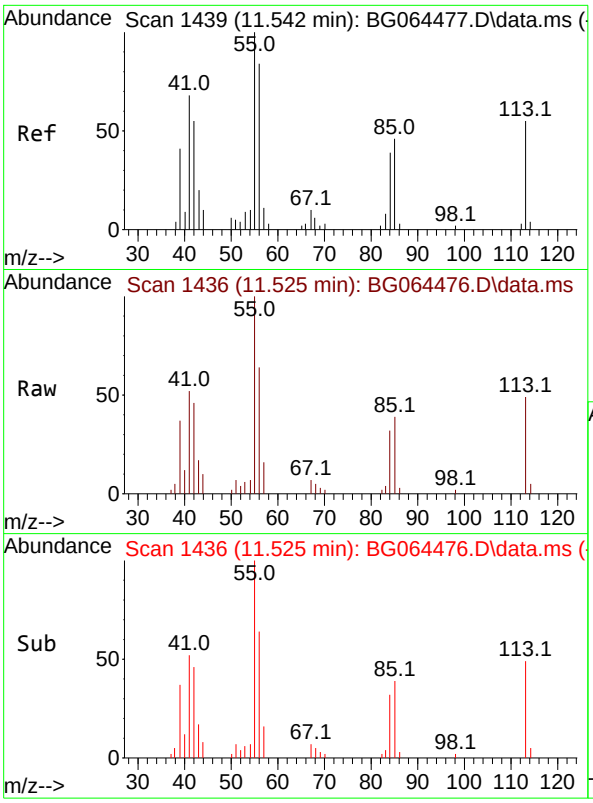


#34
Hexachlorobutadiene
Concen: 20.205 ng
RT: 10.949 min Scan# 1338
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:225 Resp: 25803

Ion	Ratio	Lower	Upper
225	100		
223	69.3	49.0	73.6
227	58.5	49.9	74.9

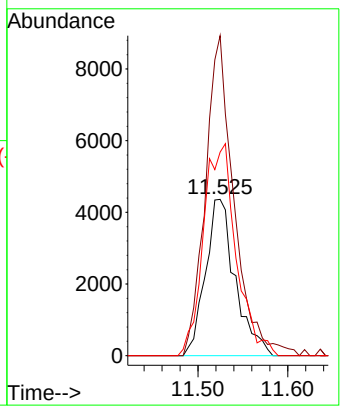




#35
Caprolactam
Concen: 21.453 ng
RT: 11.525 min Scan# 14
Delta R.T. 0.014 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:113 Resp: 1004

Ion	Ratio	Lower	Upper
113	100		
55	204.7	162.0	202.0#
56	130.1	134.6	174.6#

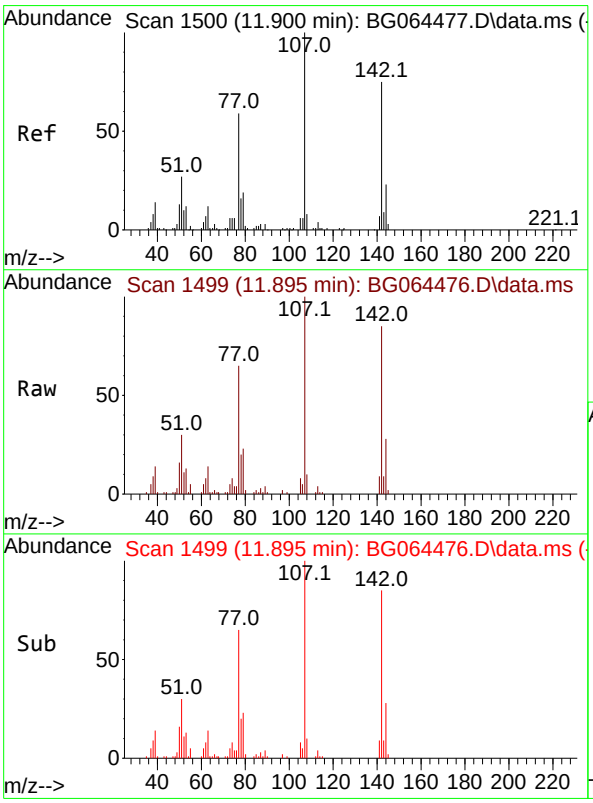


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

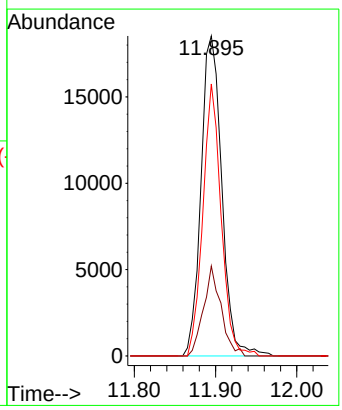
Supervised By :Jagrut Upadhyay
10/03/2025

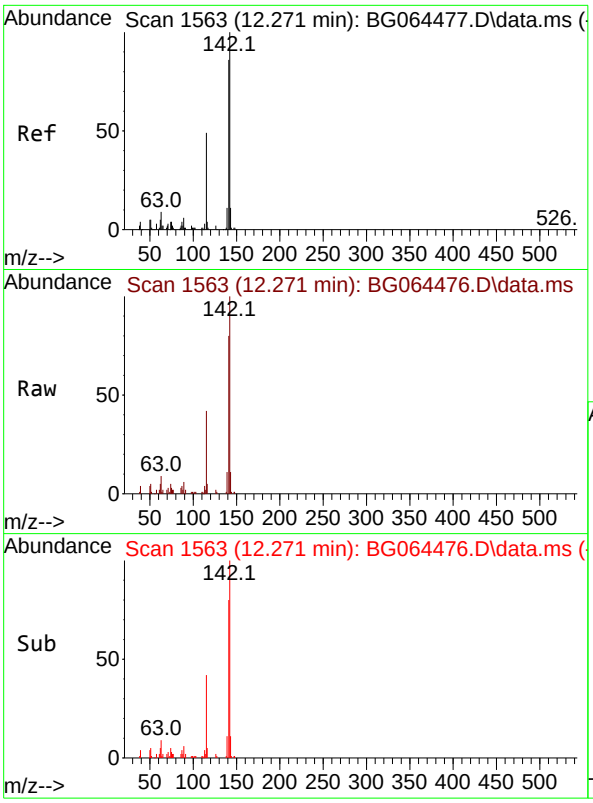


#36
4-Chloro-3-methylphenol
Concen: 19.795 ng
RT: 11.895 min Scan# 1499
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:107 Resp: 32921

Ion	Ratio	Lower	Upper
107	100		
144	28.1	18.7	28.1#
142	85.0	60.2	90.2

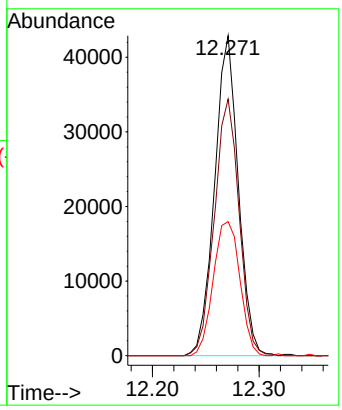




#37
2-Methylnaphthalene
Concen: 19.995 ng
RT: 12.271 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:142 Resp: 6630

Ion	Ratio	Lower	Upper
142	100		
141	80.2	68.7	103.1
115	41.9	39.3	58.9

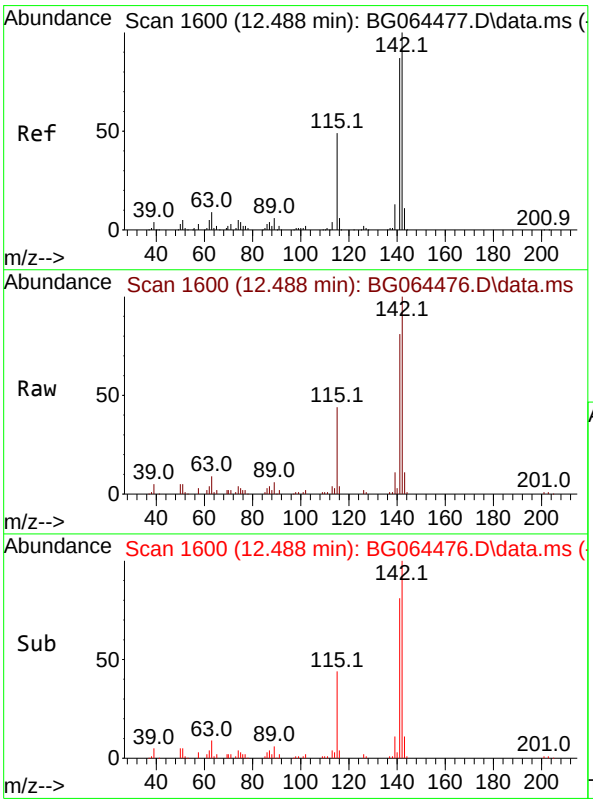


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

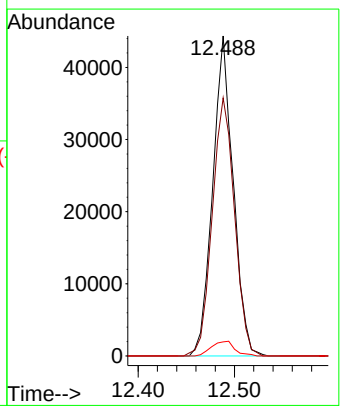
Supervised By :Jagrut Upadhyay
10/03/2025

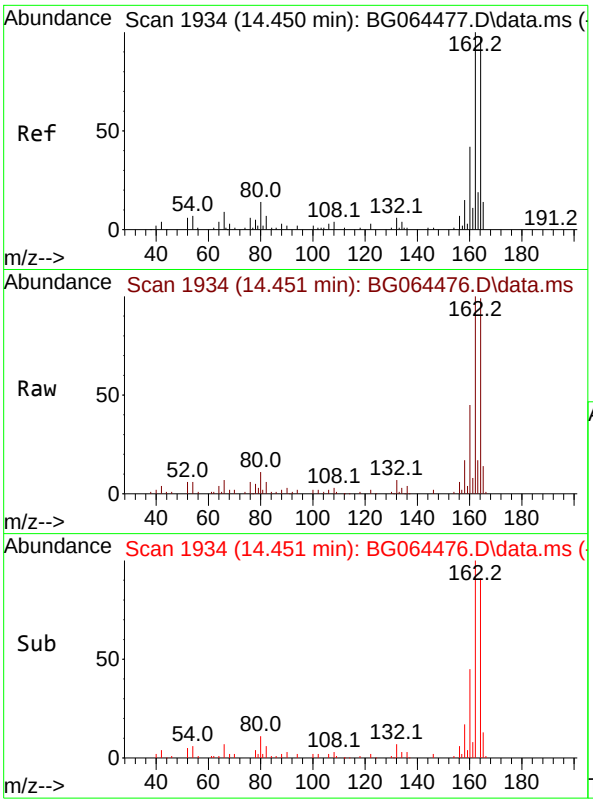


#38
1-Methylnaphthalene
Concen: 19.840 ng m
RT: 12.488 min Scan# 1600
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:142 Resp: 65599

Ion	Ratio	Lower	Upper
142	100		
141	80.6	69.8	104.8
116	4.4	4.6	6.8#

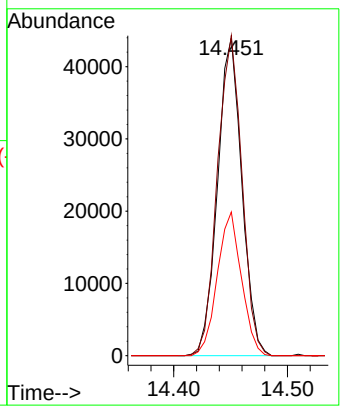




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:164 Resp: 6528

Ion	Ratio	Lower	Upper
164	100		
162	100.8	82.2	123.2
160	45.3	34.3	51.5

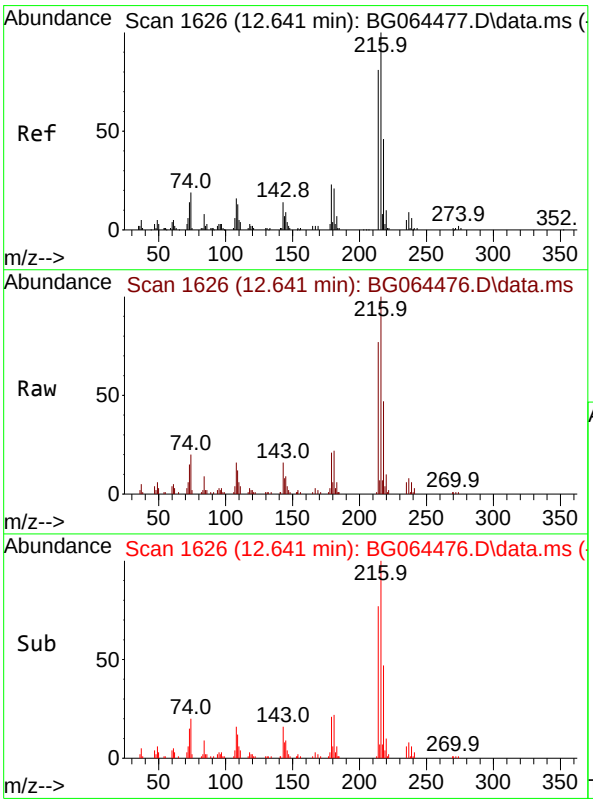


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

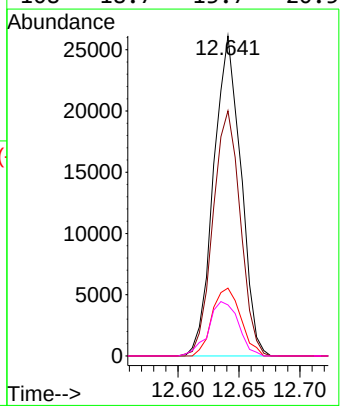
Supervised By :Jagrut Upadhyay
10/03/2025

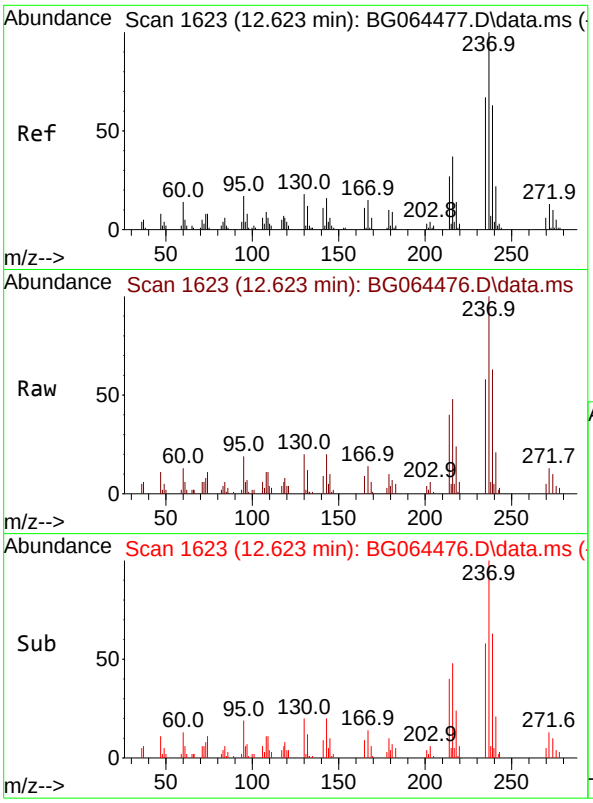


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.252 ng
RT: 12.641 min Scan# 1626
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:216 Resp: 40584

Ion	Ratio	Lower	Upper
216	100		
214	77.0	62.5	93.7
179	22.3	17.0	25.6
108	18.7	13.7	20.5

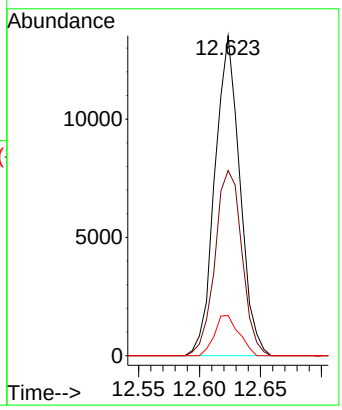




#41
Hexachlorocyclopentadiene
Concen: 17.510 ng
RT: 12.623 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:237 Resp: 1930

Ion	Ratio	Lower	Upper
237	100		
235	57.9	46.9	86.9
272	12.5	0.0	32.6

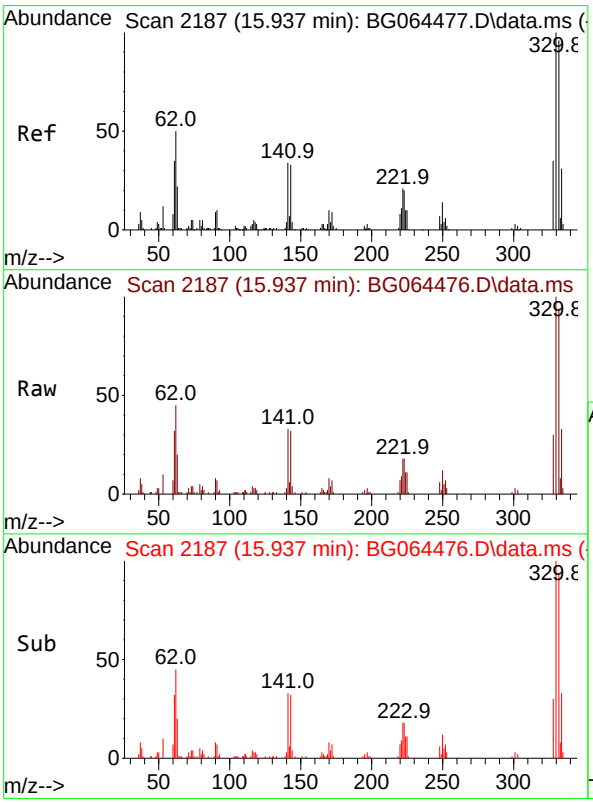


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

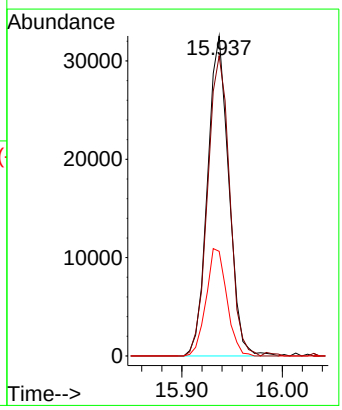
Supervised By :Jagrut Upadhyay
10/03/2025

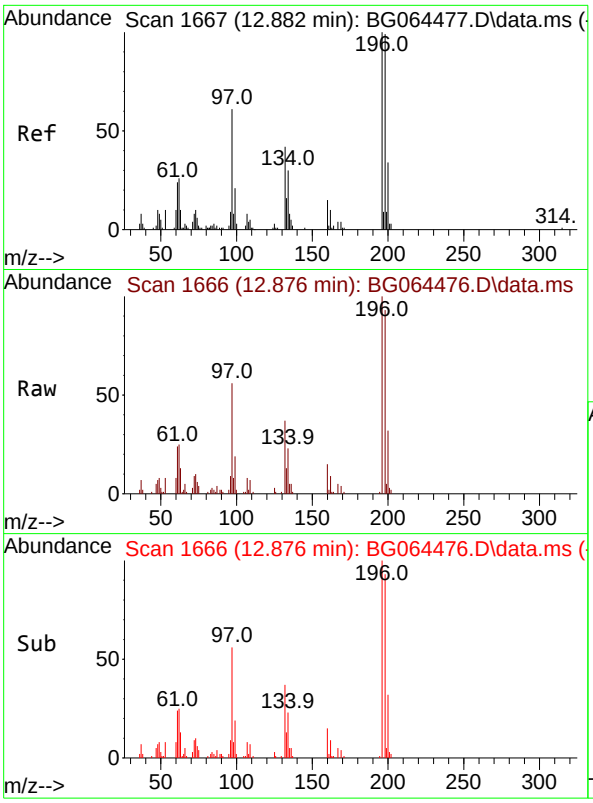


#42
2,4,6-Tribromophenol
Concen: 40.505 ng
RT: 15.937 min Scan# 2187
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:330 Resp: 47936

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.0
141	32.7	25.8	38.6

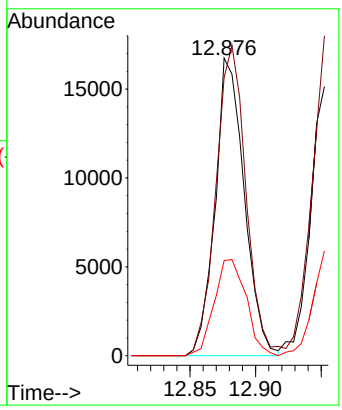




#43
2,4,6-Trichlorophenol
Concen: 19.167 ng
RT: 12.876 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:196 Resp: 2583

Ion	Ratio	Lower	Upper
196	100		
198	93.4	79.3	118.9
200	31.9	27.4	41.2

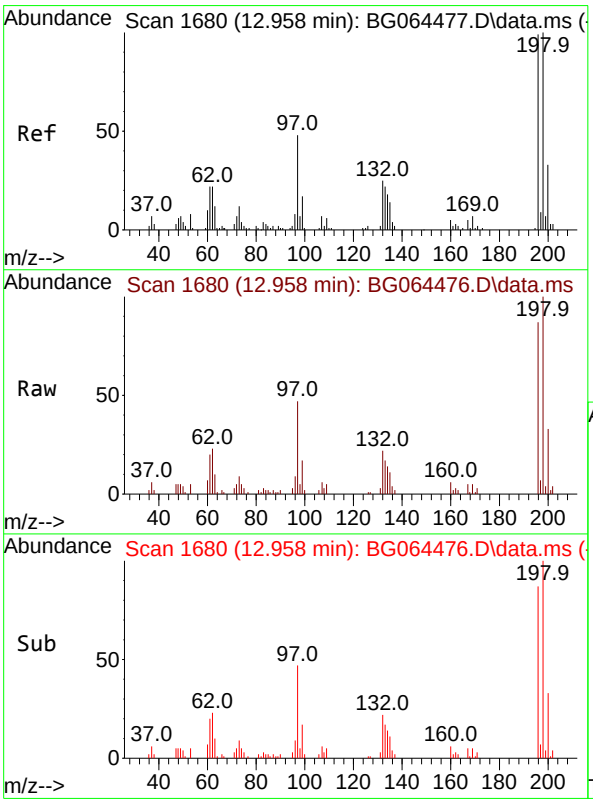


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

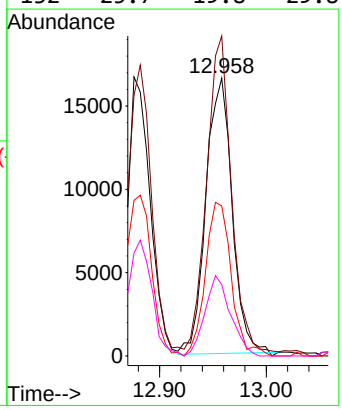
Supervised By :Jagrut Upadhyay
10/03/2025

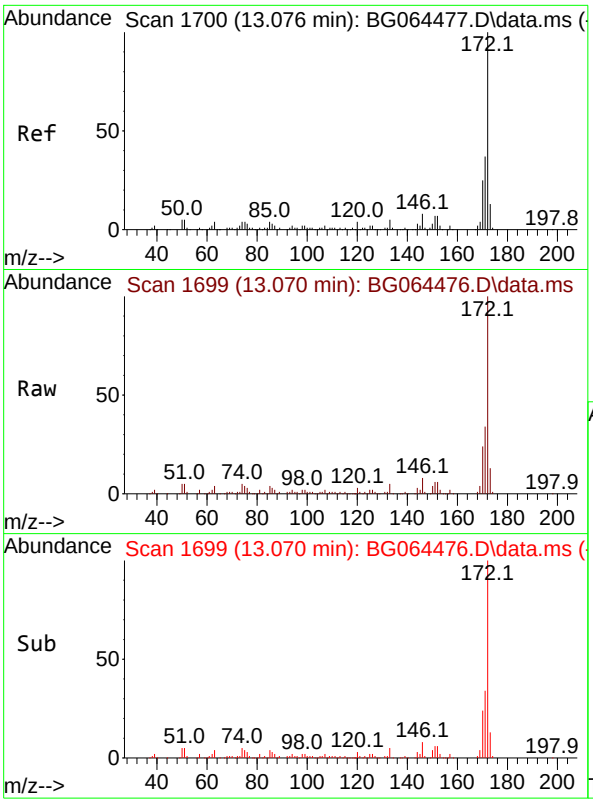


#44
2,4,5-Trichlorophenol
Concen: 18.678 ng
RT: 12.958 min Scan# 1680
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:196 Resp: 28101

Ion	Ratio	Lower	Upper
196	100		
198	115.2	80.3	120.5
97	54.1	39.4	59.0
132	25.7	19.8	29.8

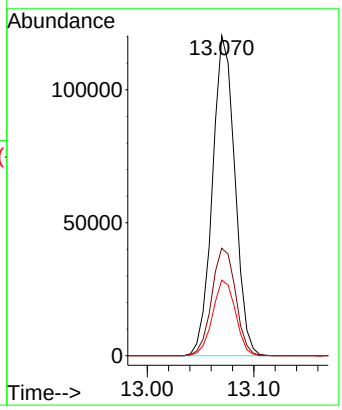




#45
2-Fluorobiphenyl
Concen: 39.679 ng
RT: 13.070 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:172 Resp: 17575

Ion	Ratio	Lower	Upper
172	100		
171	33.6	29.6	44.4
170	23.6	20.2	30.2

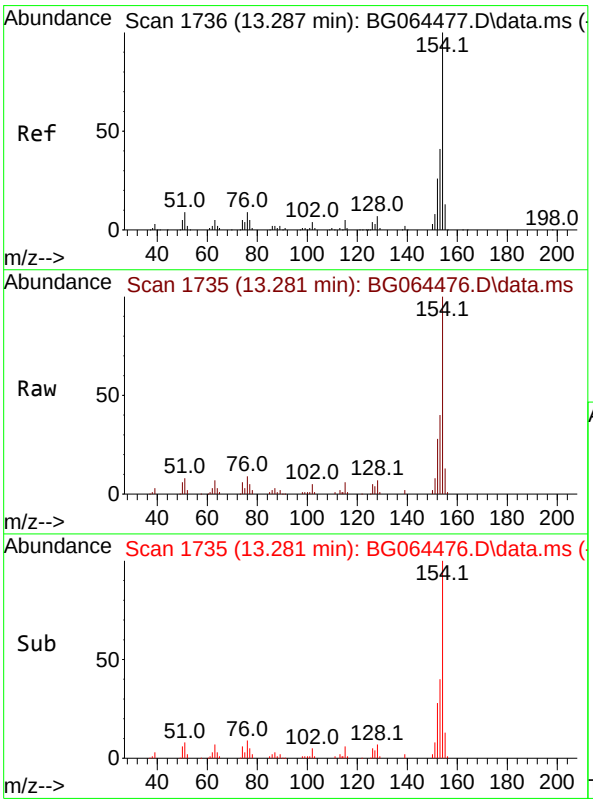


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

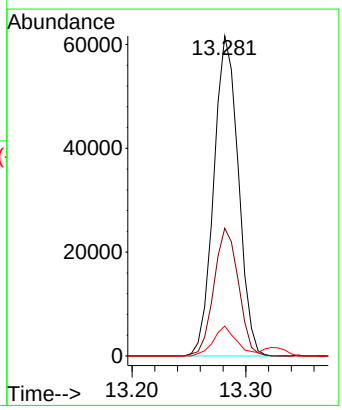
Supervised By :Jagrut Upadhyay
10/03/2025

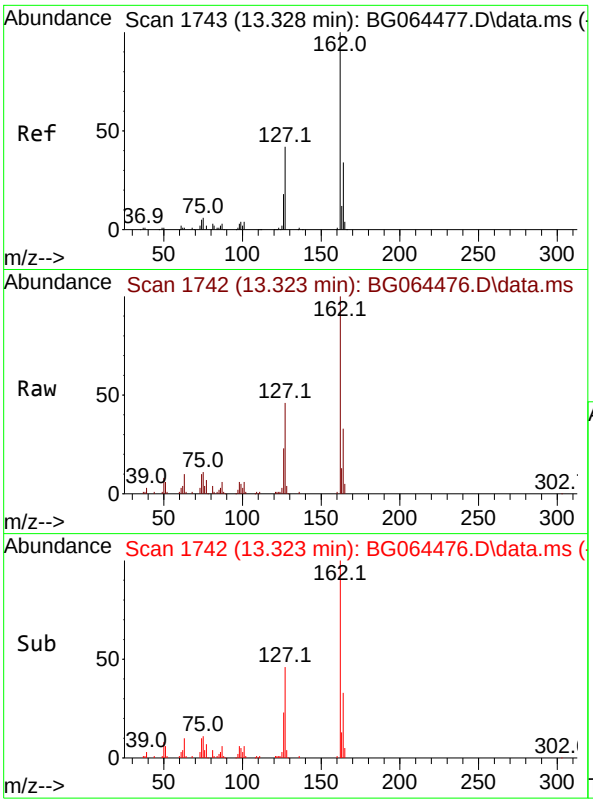


#46
1,1'-Biphenyl
Concen: 19.695 ng
RT: 13.281 min Scan# 1735
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:154 Resp: 92485

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.7	60.7
76	9.3	0.0	29.3

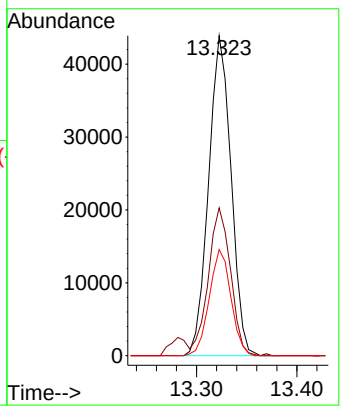




#47
2-Chloronaphthalene
Concen: 19.473 ng
RT: 13.323 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:162 Resp: 6827

Ion	Ratio	Lower	Upper
162	100		
127	46.2	35.8	53.8
164	33.2	27.2	40.8

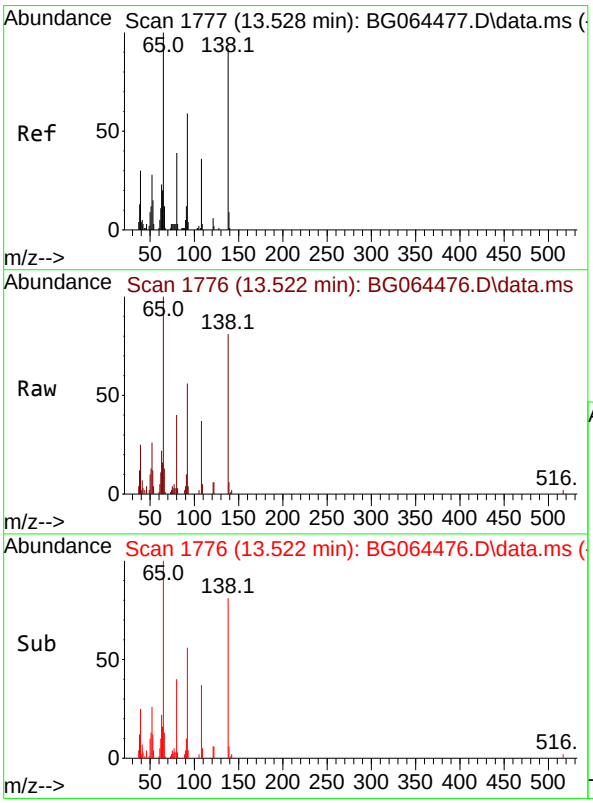


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

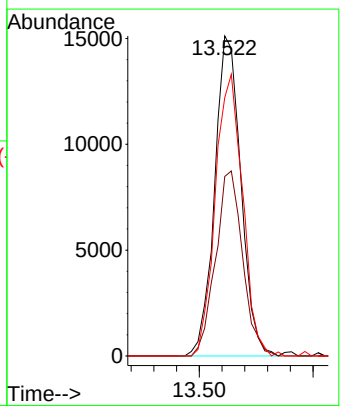
Supervised By :Jagrut Upadhyay
10/03/2025

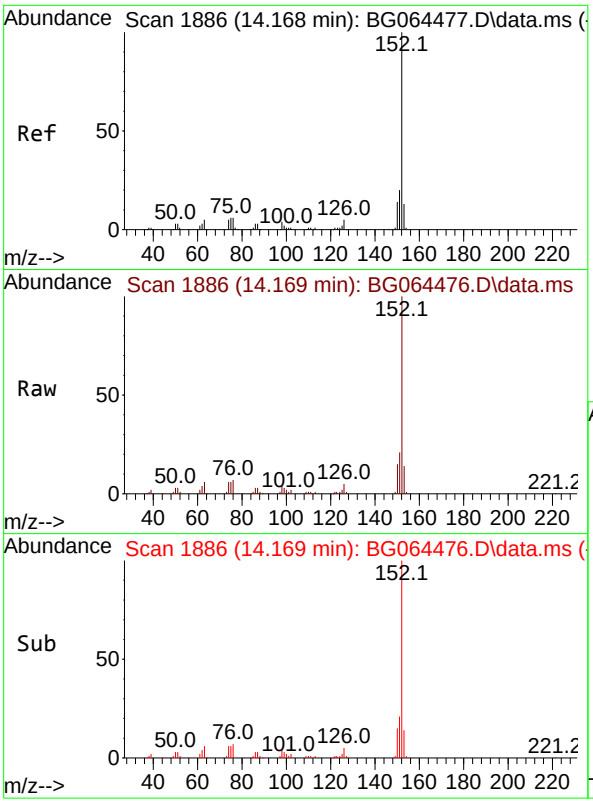


#48
2-Nitroaniline
Concen: 20.234 ng
RT: 13.522 min Scan# 1776
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 65 Resp: 24212

Ion	Ratio	Lower	Upper
65	100		
92	56.1	47.0	70.6
138	80.7	73.5	110.3

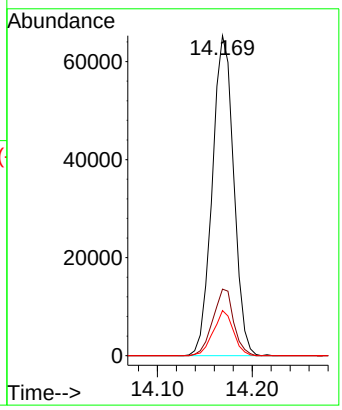




#49
Acenaphthylene
Concen: 19.727 ng
RT: 14.169 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:152 Resp: 10266

Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.8	23.6
153	14.1	10.6	15.8

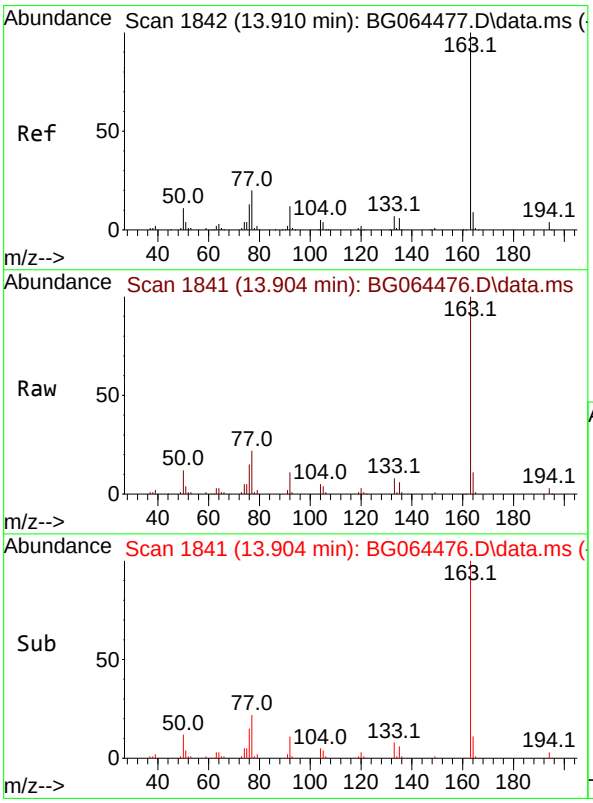


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

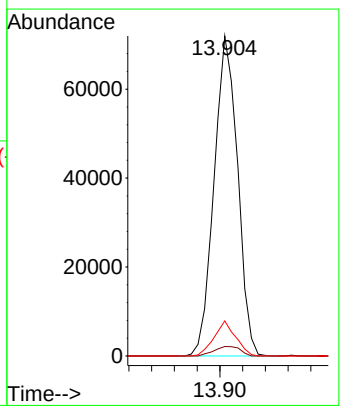
Supervised By :Jagrut Upadhyay
10/03/2025

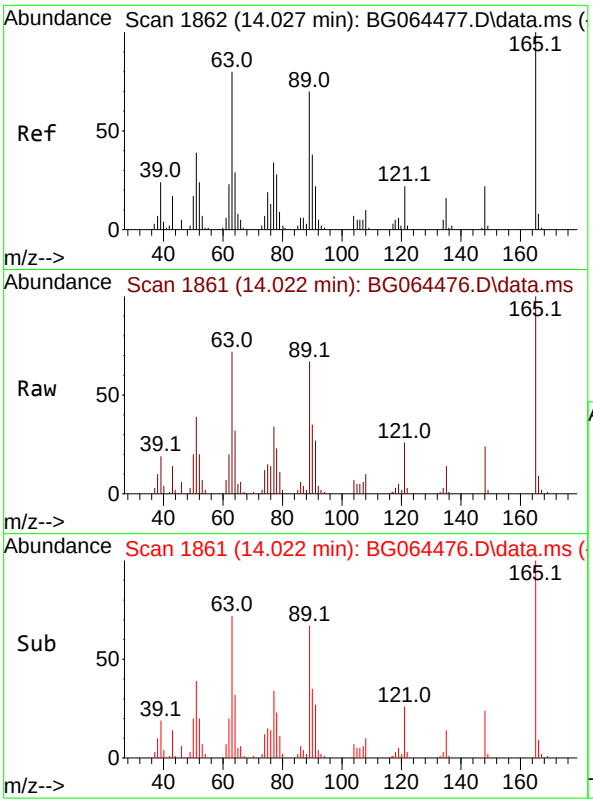


#50
Dimethylphthalate
Concen: 20.204 ng
RT: 13.904 min Scan# 1841
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:163 Resp: 103311

Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.9	4.3
164	10.9	7.4	11.0

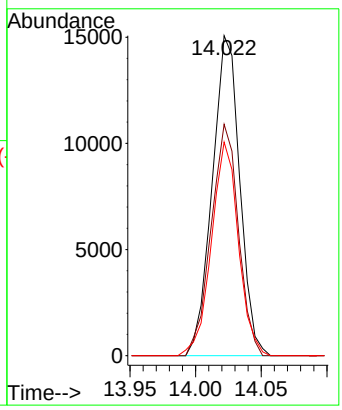




#51
2,6-Dinitrotoluene
Concen: 20.559 ng
RT: 14.022 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:165 Resp: 2189

Ion	Ratio	Lower	Upper
165	100		
63	72.3	63.9	95.9
89	66.8	56.1	84.1

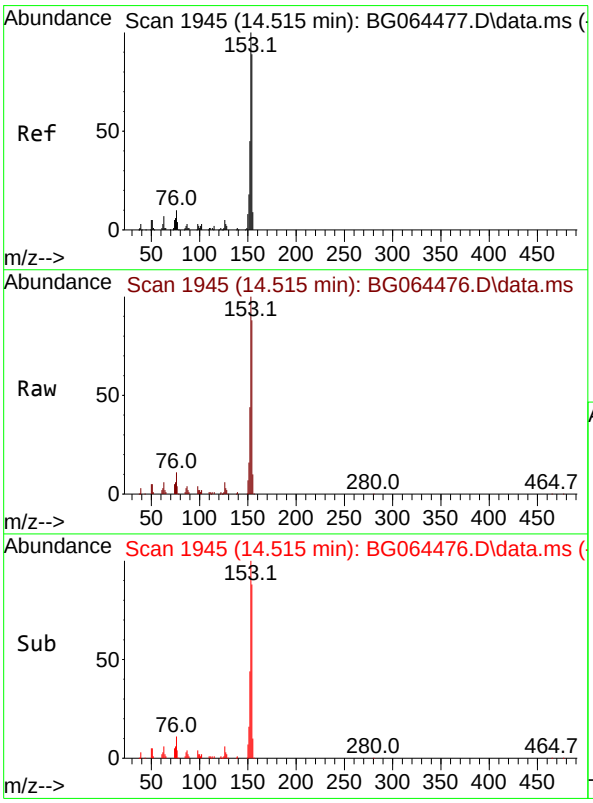


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

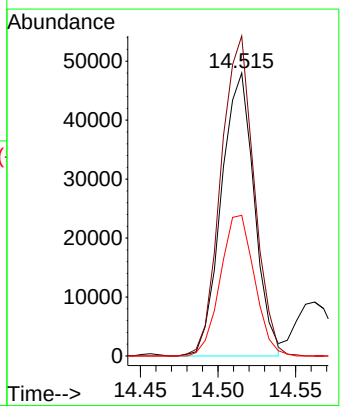
Supervised By :Jagrut Upadhyay
10/03/2025

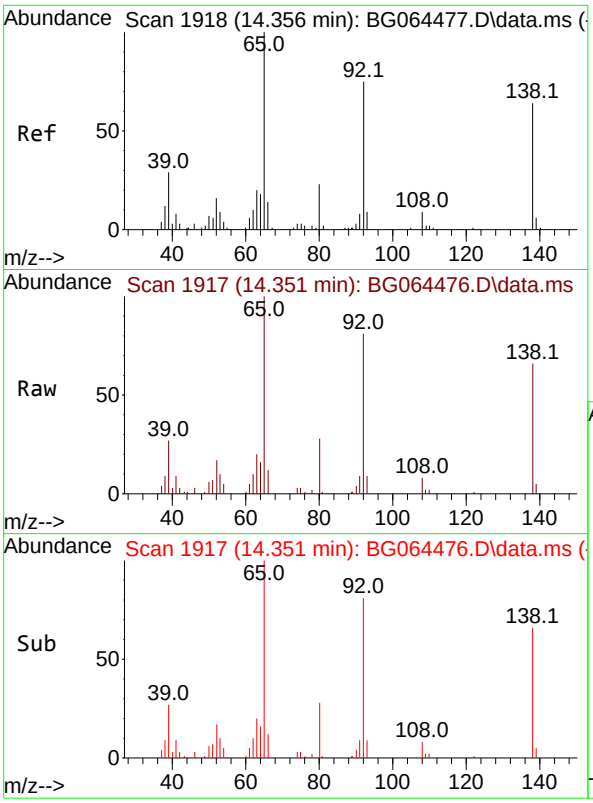


#52
Acenaphthene
Concen: 19.604 ng
RT: 14.515 min Scan# 1945
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:154 Resp: 70884

Ion	Ratio	Lower	Upper
154	100		
153	113.1	90.2	135.4
152	49.7	40.2	60.4

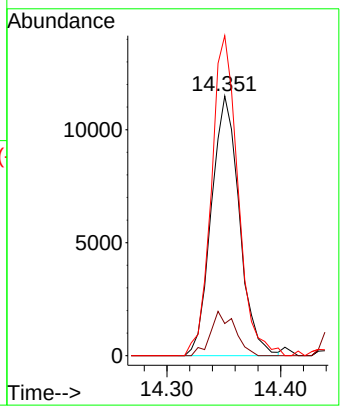




#53
3-Nitroaniline
Concen: 19.956 ng
RT: 14.351 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:138 Resp: 1960

Ion	Ratio	Lower	Upper
138	100		
108	12.4	10.6	15.8
92	123.2	93.2	139.8

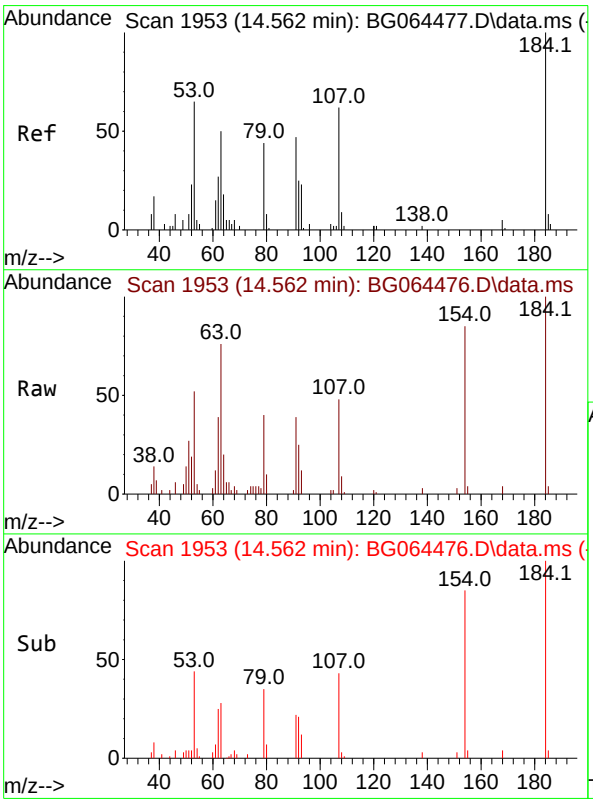


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

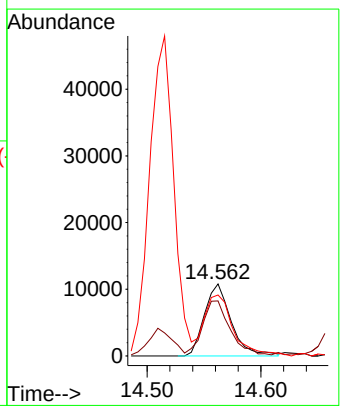
Supervised By :Jagrut Upadhyay
10/03/2025

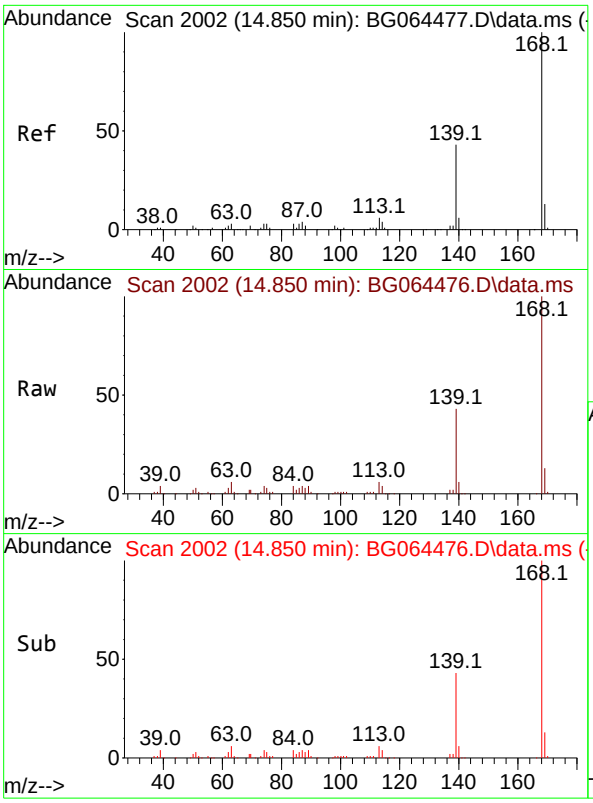


#54
2,4-Dinitrophenol
Concen: 22.843 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:184 Resp: 17644

Ion	Ratio	Lower	Upper
184	100		
63	76.3	69.0	103.4
154	84.7	95.6	143.4#

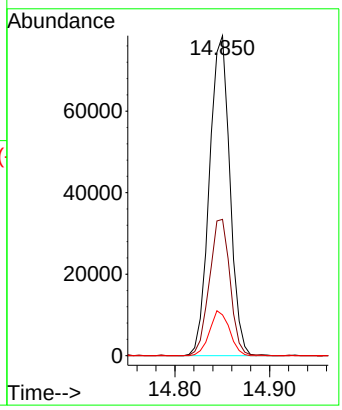




#55
Dibenzofuran
Concen: 19.680 ng
RT: 14.850 min Scan# 2(
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:168 Resp: 11749(

Ion	Ratio	Lower	Upper
168	100		
139	42.6	34.0	51.0
169	12.8	10.2	15.2

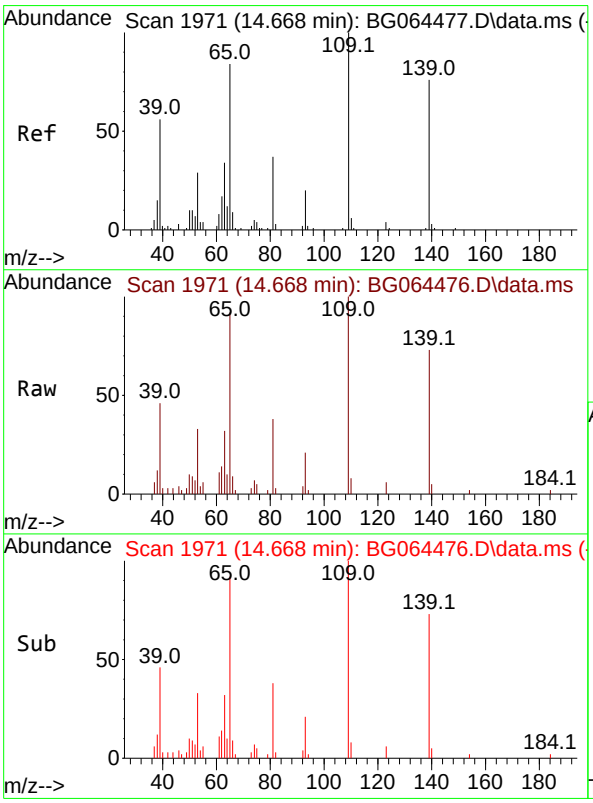


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

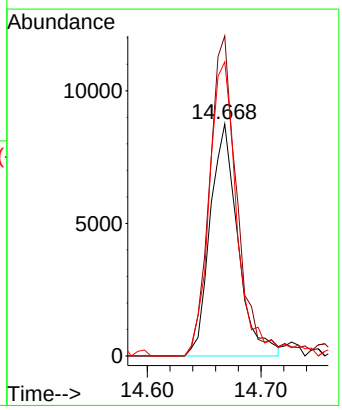
Supervised By :Jagrut Upadhyay
10/03/2025

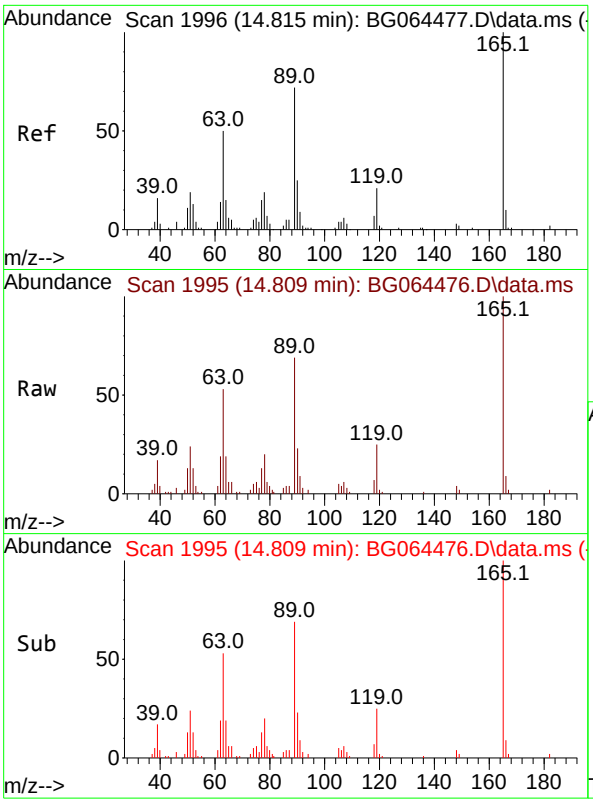


#56
4-Nitrophenol
Concen: 19.183 ng
RT: 14.668 min Scan# 1971
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:139 Resp: 14837

Ion	Ratio	Lower	Upper
139	100		
109	137.9	111.8	151.8
65	126.7	91.1	131.1

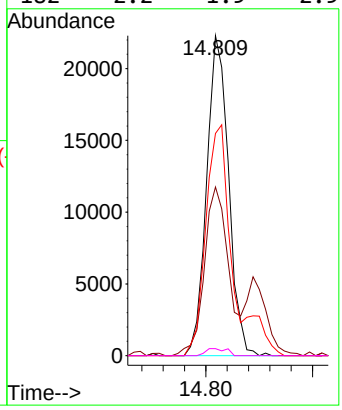




#57
2,4-Dinitrotoluene
Concen: 19.567 ng
RT: 14.809 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:165 Resp: 3186

Ion	Ratio	Lower	Upper
165	100		
63	52.7	40.4	60.6
89	69.5	57.3	85.9
182	2.2	1.9	2.9

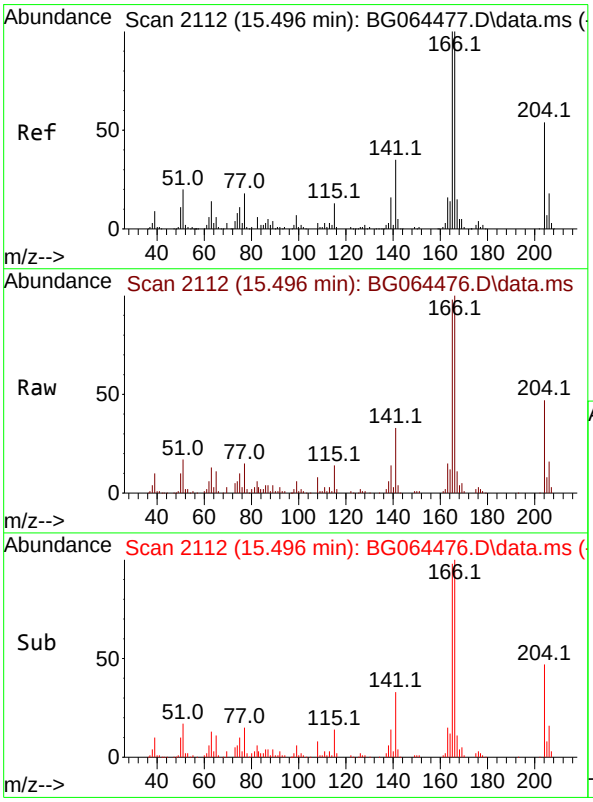


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

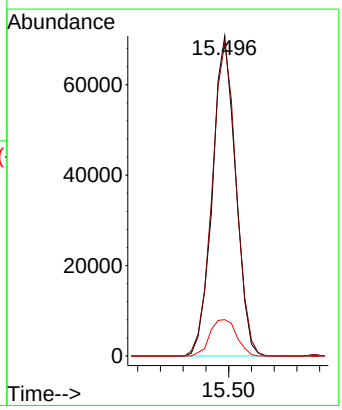
Supervised By :Jagrut Upadhyay
10/03/2025

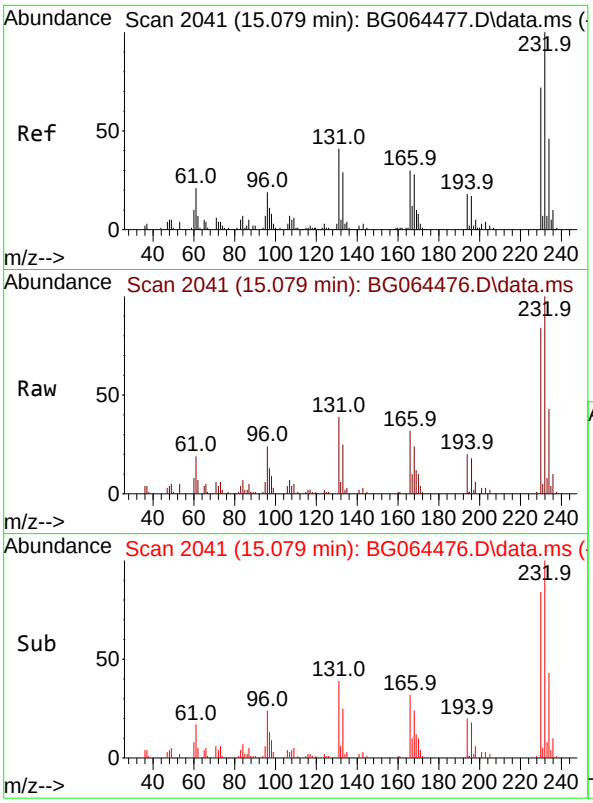


#58
Fluorene
Concen: 20.190 ng
RT: 15.496 min Scan# 2112
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:166 Resp: 100209

Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.8	119.6
167	11.4	11.7	17.5#

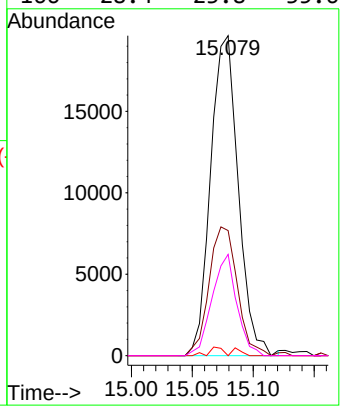




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.205 ng
RT: 15.079 min Scan# 2
Delta R.T. 0.008 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:232 Resp: 3102

Ion	Ratio	Lower	Upper
232	100		
131	41.2	35.0	52.4
130	1.3	2.0	3.0
166	28.4	23.8	35.6

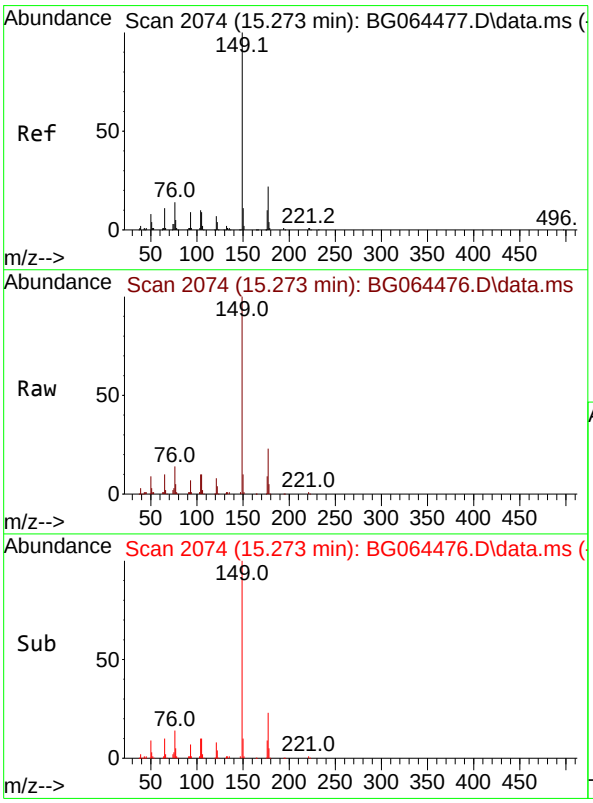


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

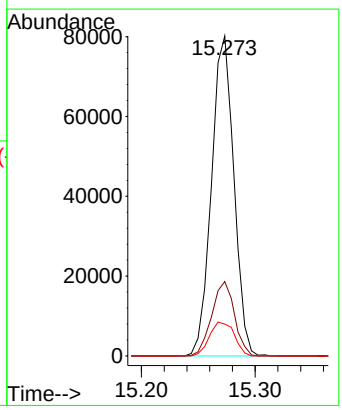
Supervised By :Jagrut Upadhyay
10/03/2025

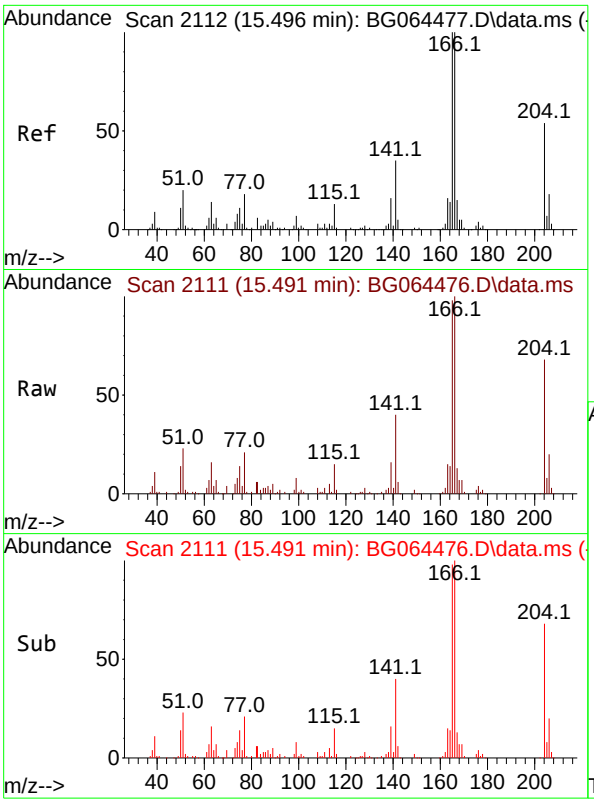


#60
Diethylphthalate
Concen: 19.981 ng
RT: 15.273 min Scan# 2074
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:149 Resp: 109604

Ion	Ratio	Lower	Upper
149	100		
177	23.3	17.4	26.0
150	10.0	9.1	13.7

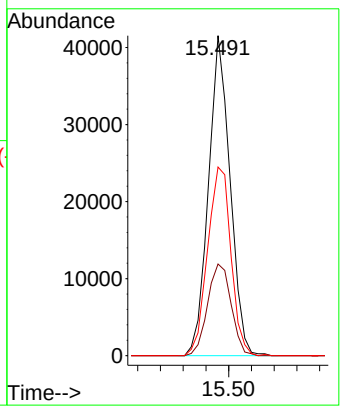




#61
4-Chlorophenyl-phenylether
Concen: 20.205 ng
RT: 15.491 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:204 Resp: 5475

Ion	Ratio	Lower	Upper
204	100		
206	28.6	27.1	40.7
141	58.9	51.5	77.3

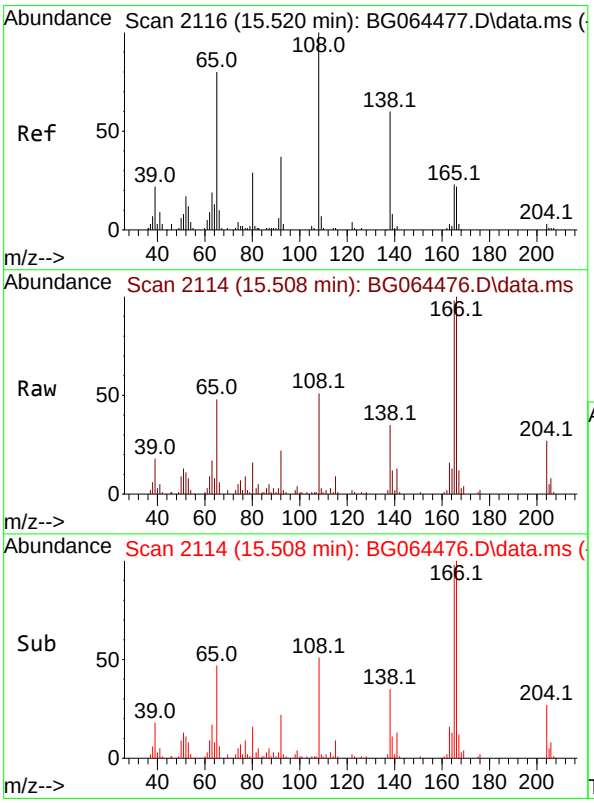


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

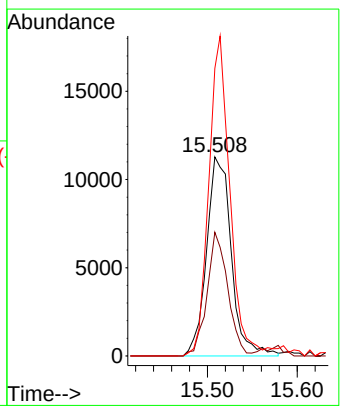
Supervised By :Jagrut Upadhyay
10/03/2025

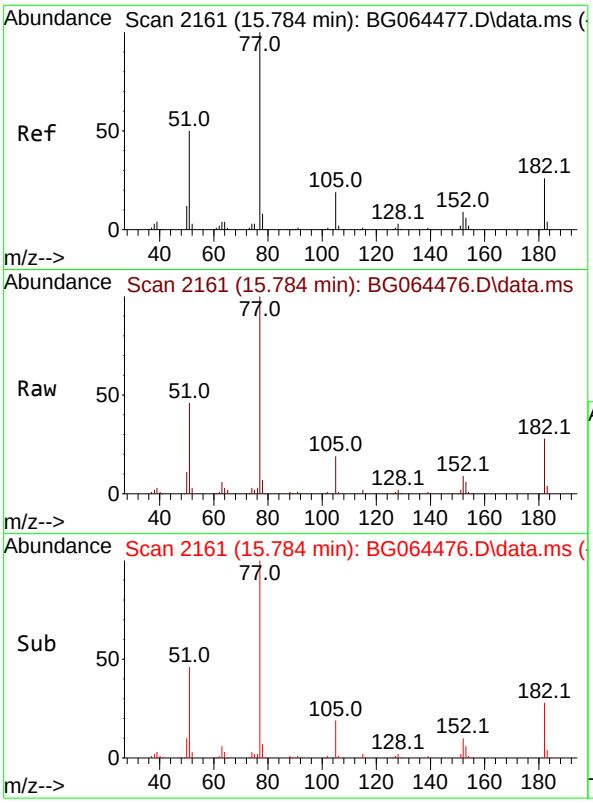


#62
4-Nitroaniline
Concen: 21.091 ng
RT: 15.508 min Scan# 2114
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:138 Resp: 21595

Ion	Ratio	Lower	Upper
138	100		
92	62.2	42.3	82.3
108	144.5	147.7	187.7#

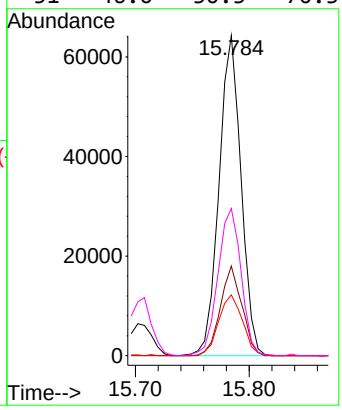




#63
Azobenzene
Concen: 20.370 ng
RT: 15.784 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 77 Resp: 8653

Ion	Ratio	Lower	Upper
77	100		
182	28.0	6.3	46.3
105	19.0	0.0	38.7
51	46.0	30.3	70.3

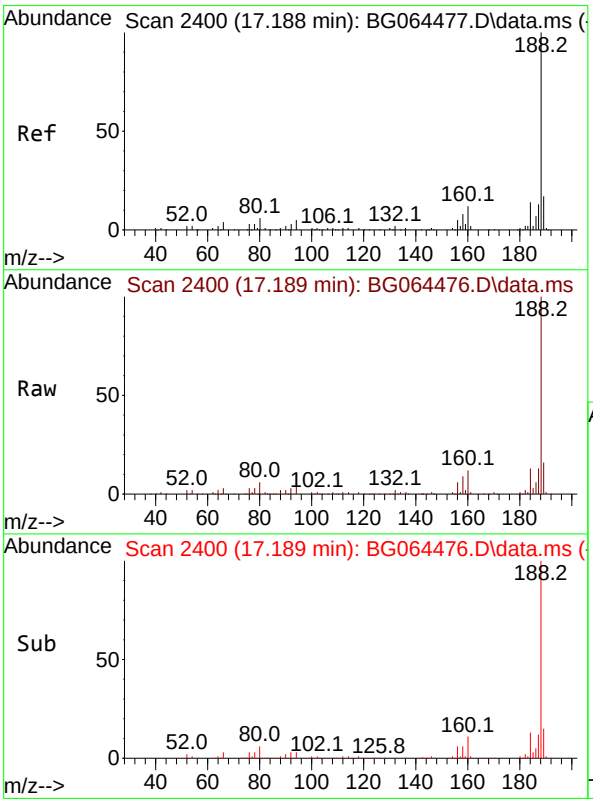


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

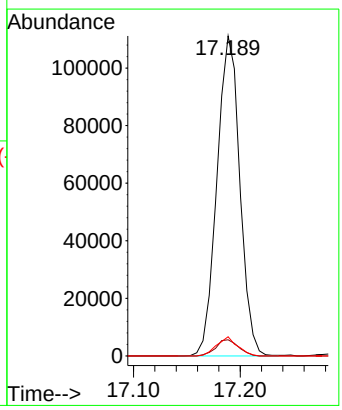
Supervised By :Jagrut Upadhyay
10/03/2025

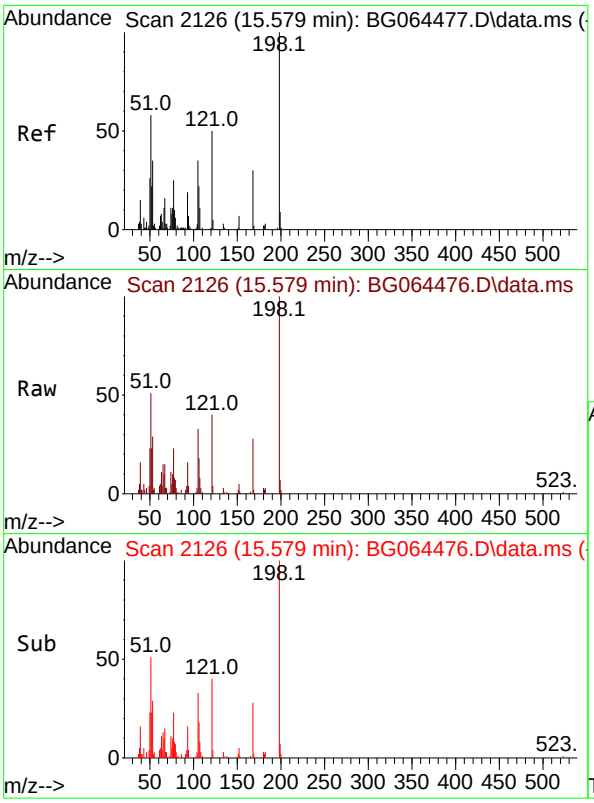


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2400
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:188 Resp: 165571

Ion	Ratio	Lower	Upper
188	100		
94	5.0	3.7	5.5
80	6.0	4.5	6.7

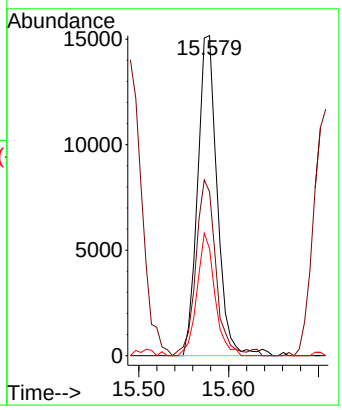




#65
4,6-Dinitro-2-methylphenol
Concen: 19.942 ng
RT: 15.579 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:198 Resp: 2298

Ion	Ratio	Lower	Upper
198	100		
51	51.2	39.0	79.0
105	33.4	15.8	55.8

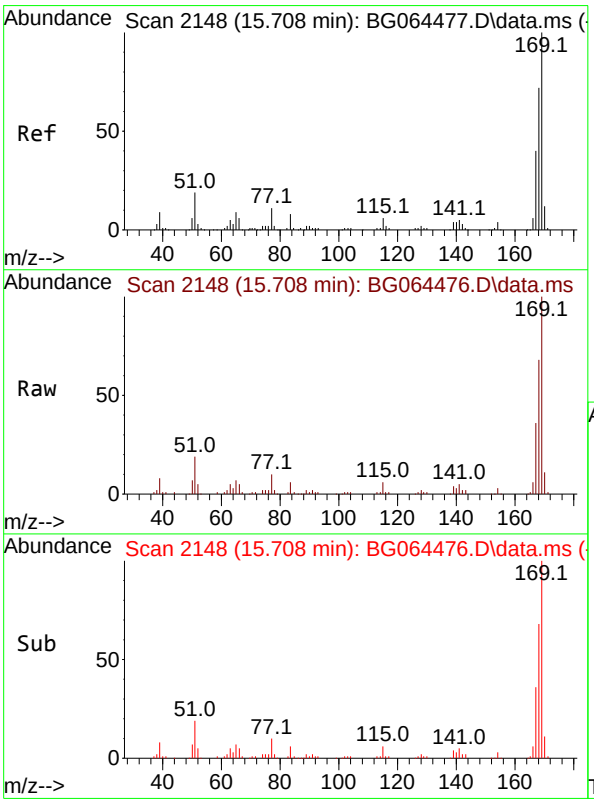


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

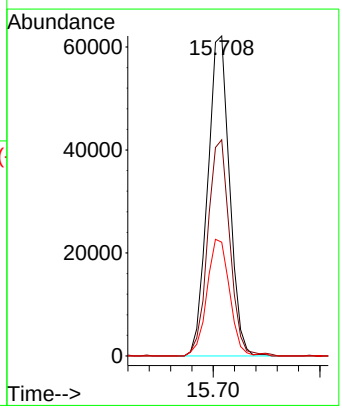
Supervised By :Jagrut Upadhyay
10/03/2025

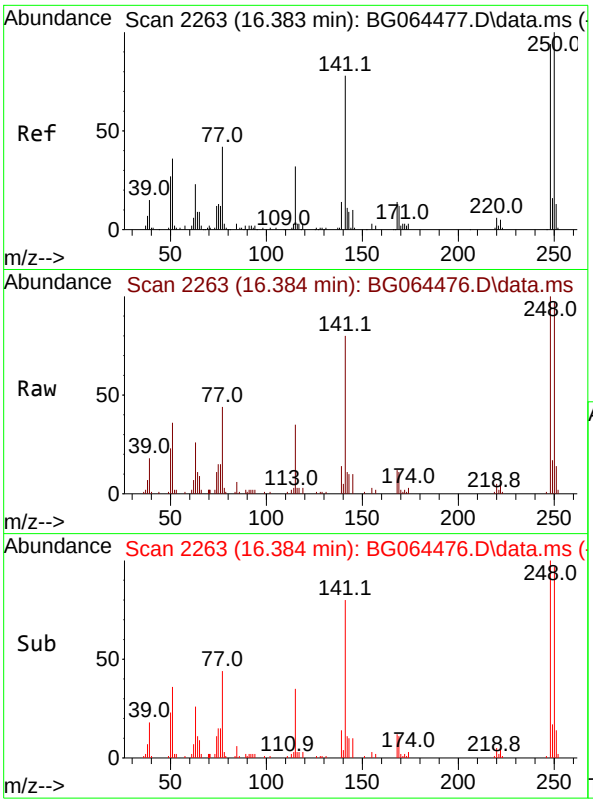


#66
n-Nitrosodiphenylamine
Concen: 19.986 ng
RT: 15.708 min Scan# 2148
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:169 Resp: 88367

Ion	Ratio	Lower	Upper
169	100		
168	67.5	57.8	86.6
167	35.6	31.7	47.5

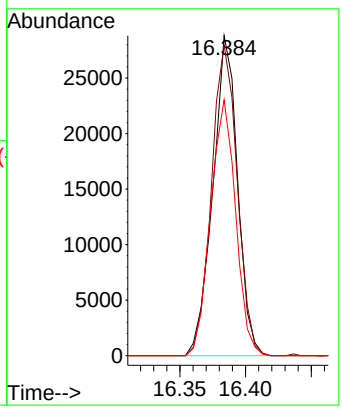




#67
4-Bromophenyl-phenylether
Concen: 19.310 ng
RT: 16.384 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:248 Resp: 3762

Ion	Ratio	Lower	Upper
248	100		
250	97.2	85.3	127.9
141	79.9	66.2	99.2

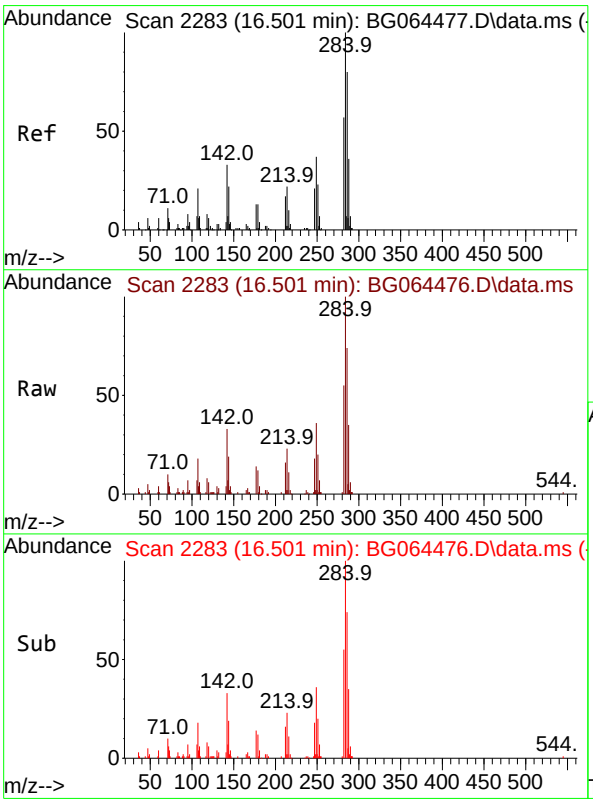


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

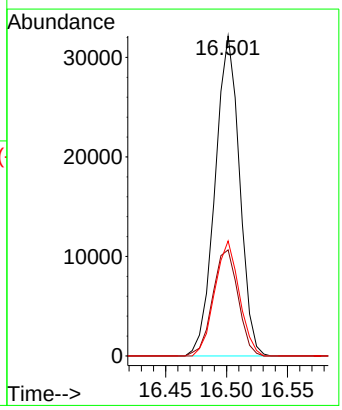
Supervised By :Jagrut Upadhyay
10/03/2025

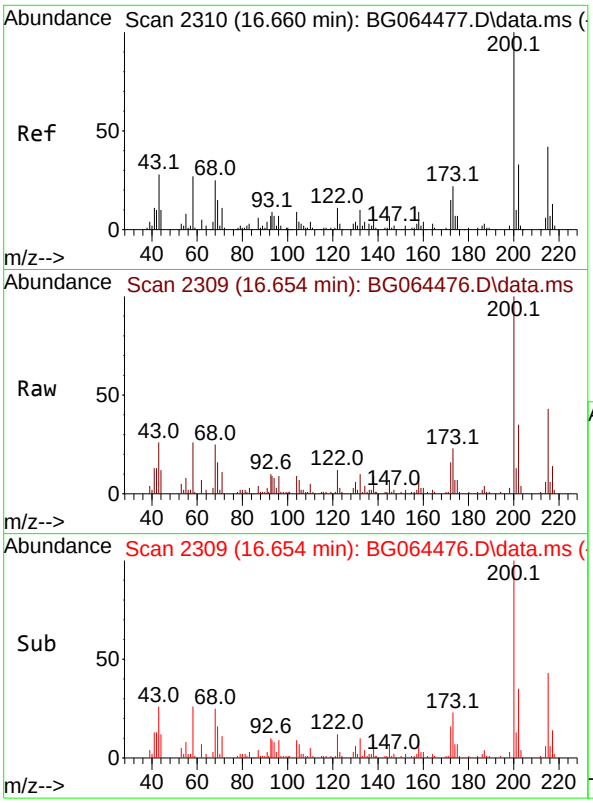


#68
Hexachlorobenzene
Concen: 20.185 ng
RT: 16.501 min Scan# 2283
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:284 Resp: 45002

Ion	Ratio	Lower	Upper
284	100		
142	33.1	26.2	39.2
249	36.0	29.4	44.0

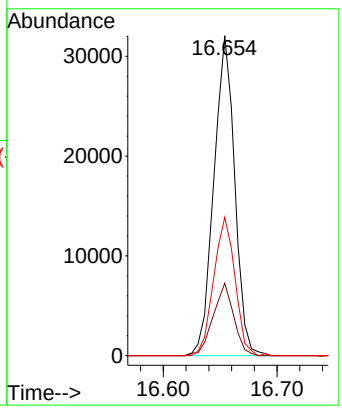




#69
Atrazine
Concen: 20.769 ng
RT: 16.654 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:200 Resp: 4085

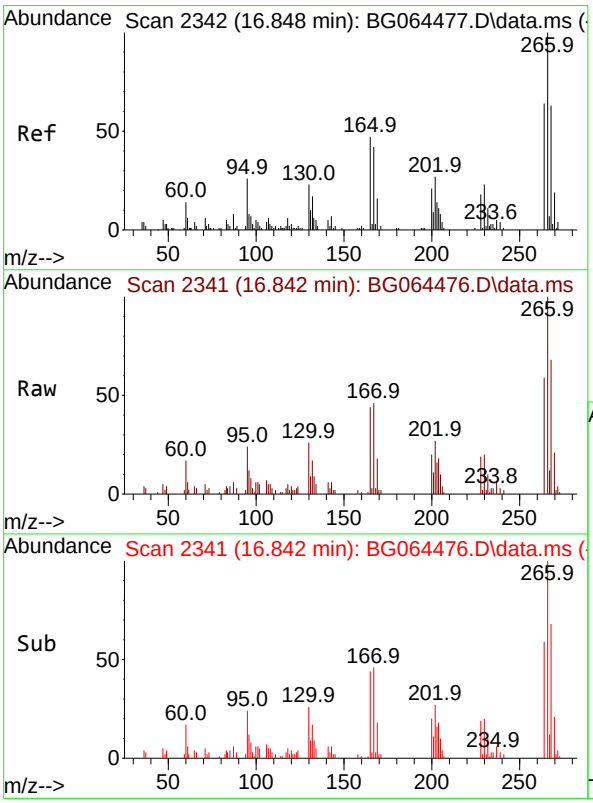
Ion	Ratio	Lower	Upper
200	100		
173	22.7	2.5	42.5
215	43.3	21.5	61.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

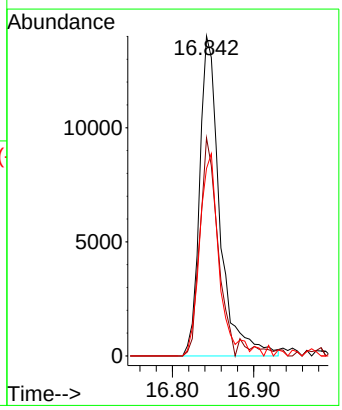
Reviewed By :Rahul Chavli
10/03/2025
Supervised By :Jagrut Upadhyay
10/03/2025

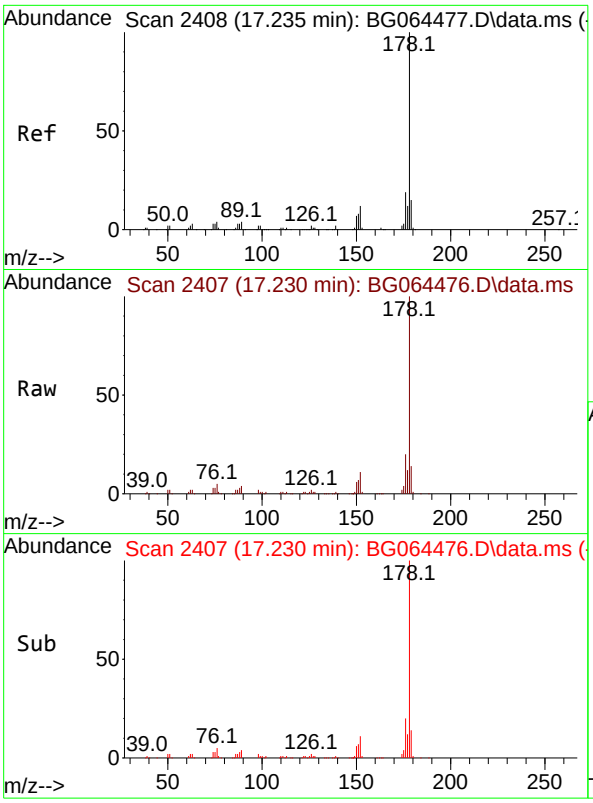


#70
Pentachlorophenol
Concen: 18.593 ng
RT: 16.842 min Scan# 2341
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:266 Resp: 24237

Ion	Ratio	Lower	Upper
266	100		
268	68.1	50.6	75.8
264	58.6	51.2	76.8

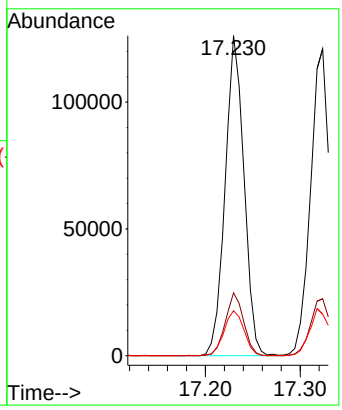




#71
Phenanthrene
Concen: 20.165 ng
RT: 17.230 min Scan# 24
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:178 Resp: 17459

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.2	22.8
179	14.1	11.8	17.6

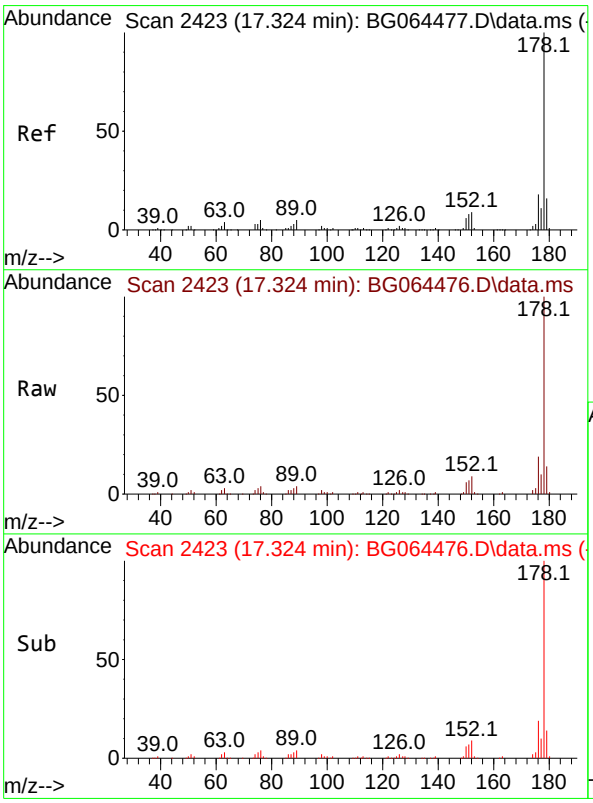


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

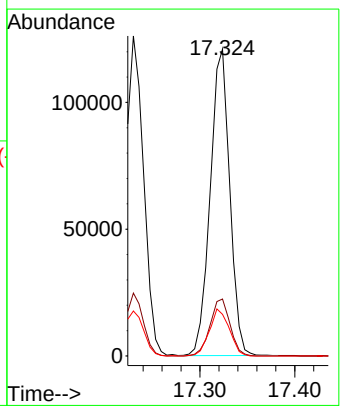
Supervised By :Jagrut Upadhyay
10/03/2025

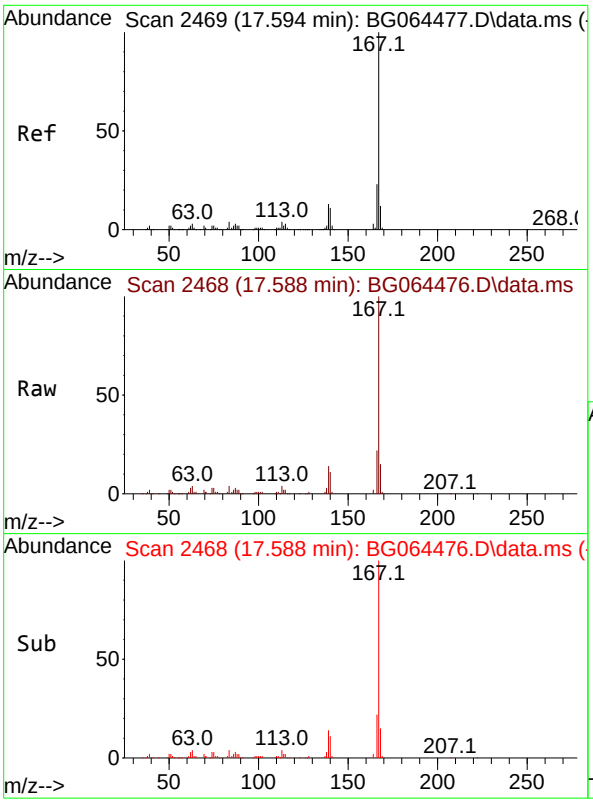


#72
Anthracene
Concen: 19.904 ng
RT: 17.324 min Scan# 2423
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:178 Resp: 172893

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	21.8
179	13.6	12.5	18.7

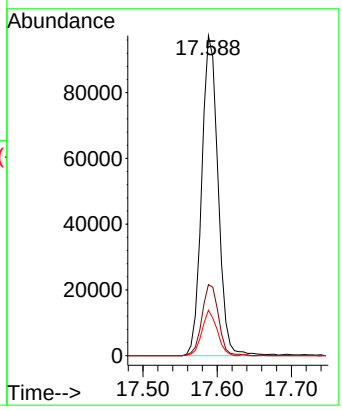




#73
Carbazole
Concen: 19.939 ng
RT: 17.588 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:167 Resp: 14971(

Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.6	27.8
139	14.2	10.2	15.4

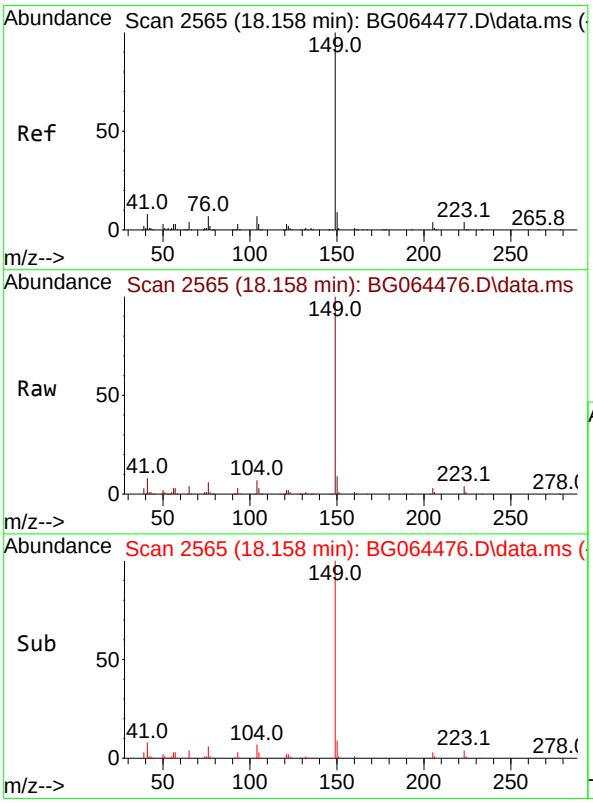


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

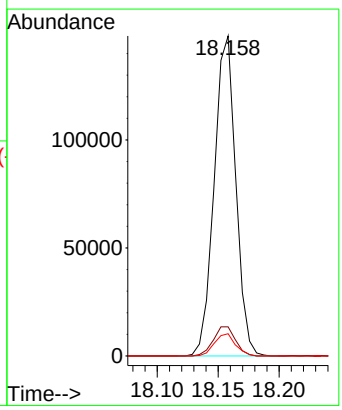
Supervised By :Jagrut Upadhyay
10/03/2025

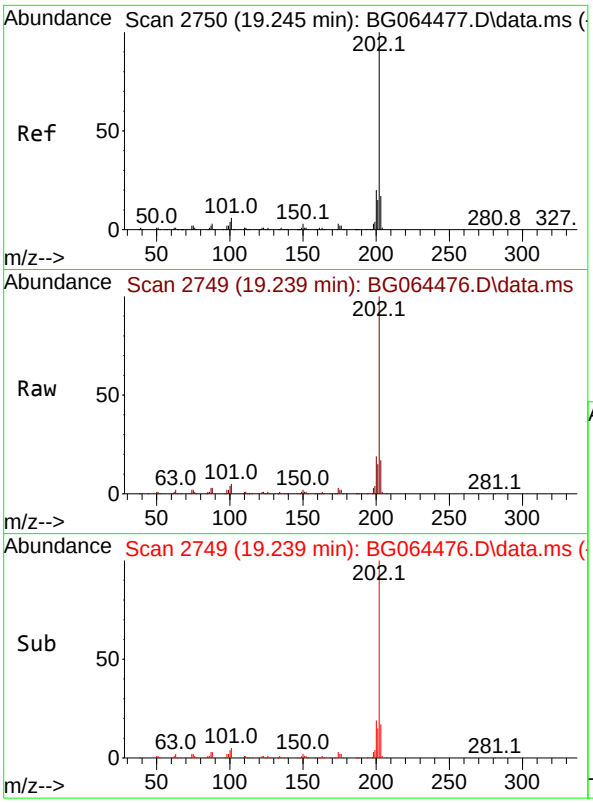


#74
Di-n-butylphthalate
Concen: 19.955 ng
RT: 18.158 min Scan# 2565
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:149 Resp: 182903

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	6.9	5.3	7.9

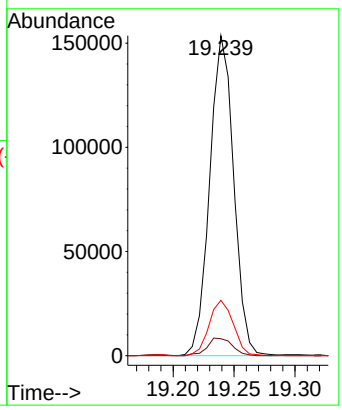




#75
Fluoranthene
Concen: 20.363 ng
RT: 19.239 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:202 Resp: 21063

Ion	Ratio	Lower	Upper
202	100		
101	5.3	0.0	25.7
203	17.3	0.0	36.6

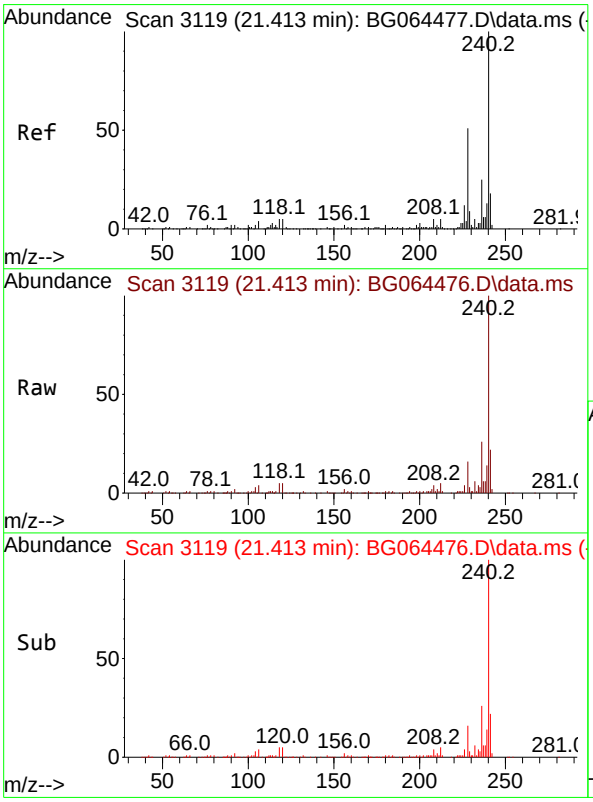


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

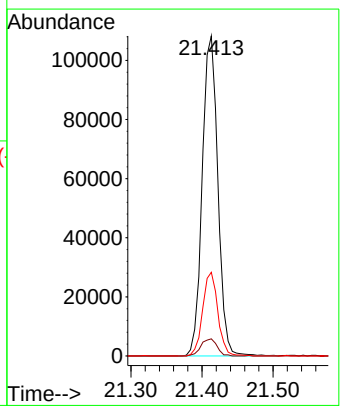
Supervised By :Jagrut Upadhyay
10/03/2025

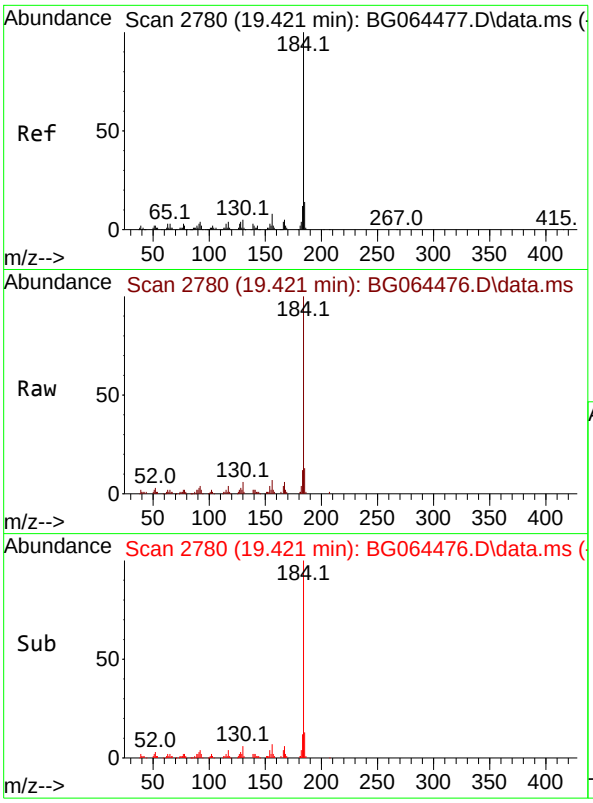


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.413 min Scan# 3119
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:240 Resp: 165934

Ion	Ratio	Lower	Upper
240	100		
120	5.4	4.3	6.5
236	26.1	20.4	30.6

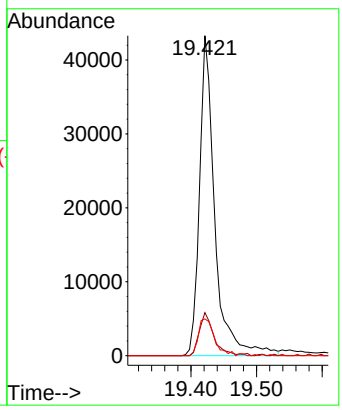




#77
Benzidine
Concen: 17.050 ng
RT: 19.421 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:184 Resp: 7039

Ion	Ratio	Lower	Upper
184	100		
185	13.4	10.9	16.3
183	11.5	9.8	14.6

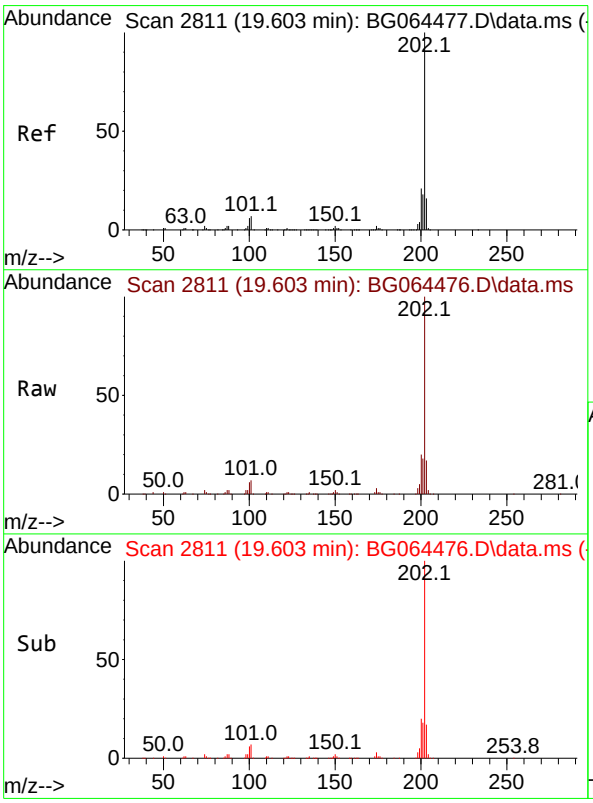


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

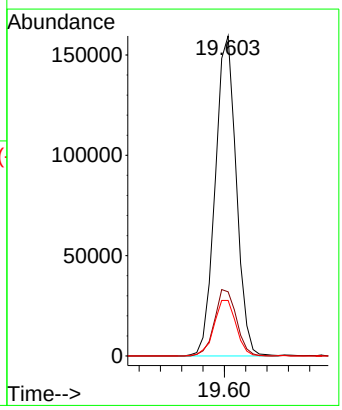
Supervised By :Jagrut Upadhyay
10/03/2025

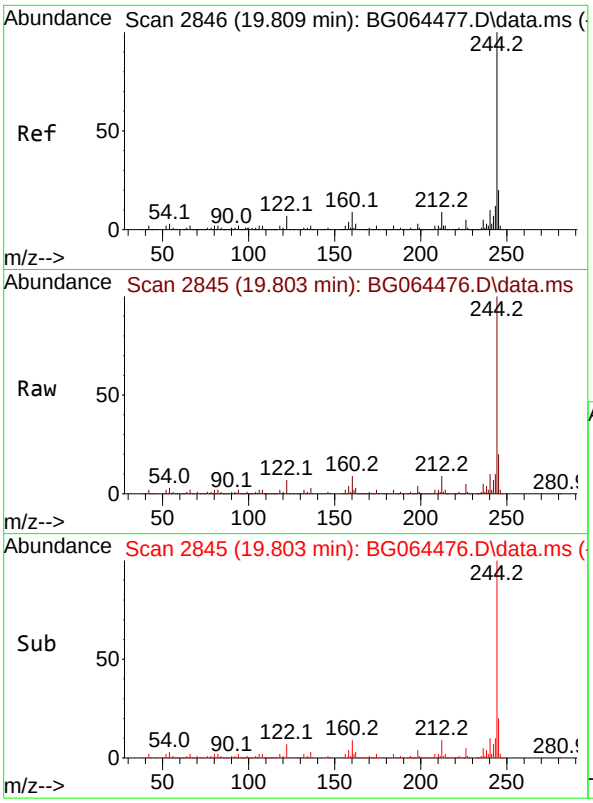


#78
Pyrene
Concen: 20.286 ng
RT: 19.603 min Scan# 2811
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:202 Resp: 218448

Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.0	25.4
203	17.4	13.0	19.4

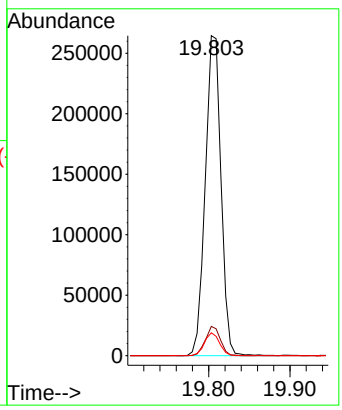




#79
Terphenyl-d14
Concen: 40.467 ng
RT: 19.803 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:244 Resp: 35481

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.0	10.6
122	7.1	5.6	8.4

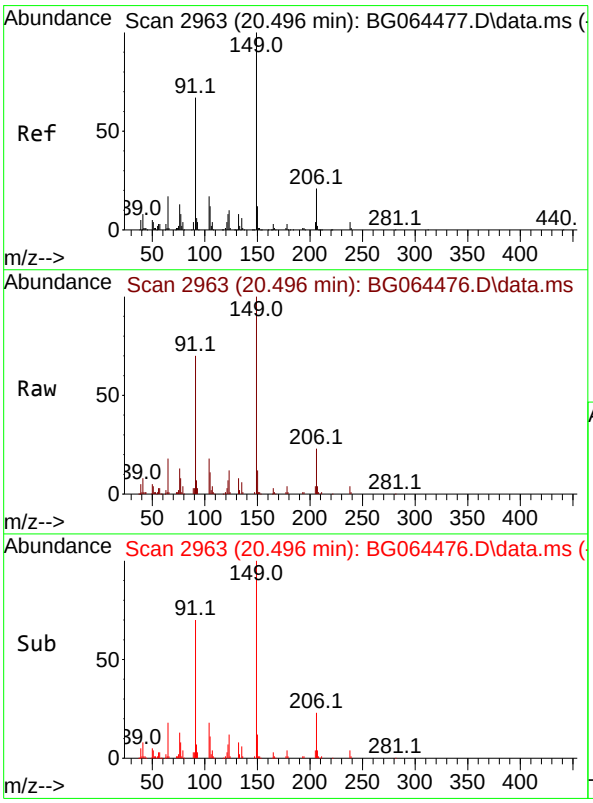


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

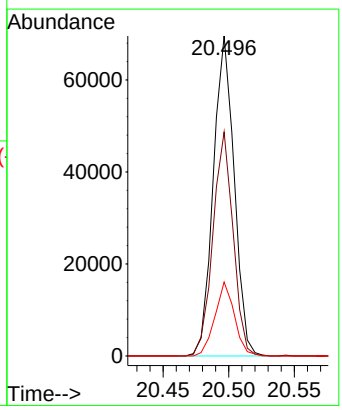
Supervised By :Jagrut Upadhyay
10/03/2025

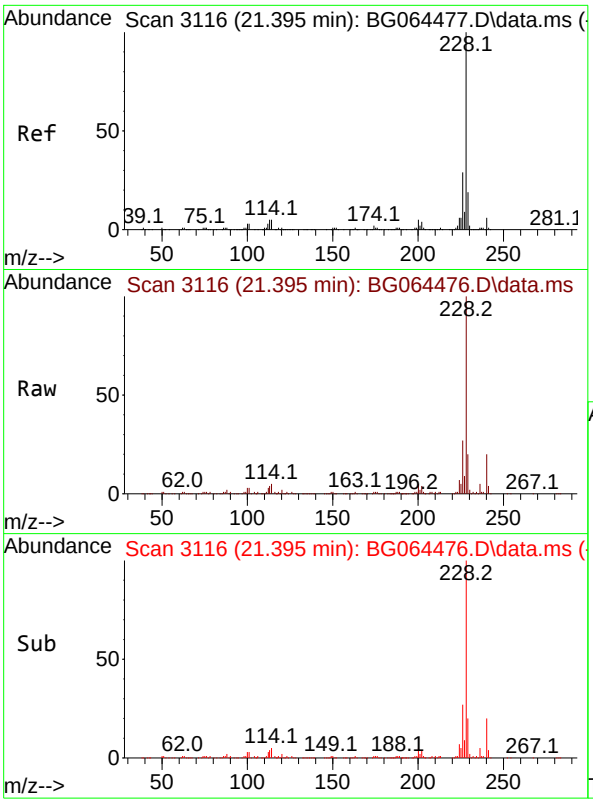


#80
Butylbenzylphthalate
Concen: 20.174 ng
RT: 20.496 min Scan# 2963
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:149 Resp: 77010

Ion	Ratio	Lower	Upper
149	100		
91	70.0	53.7	80.5
206	23.1	16.6	24.8

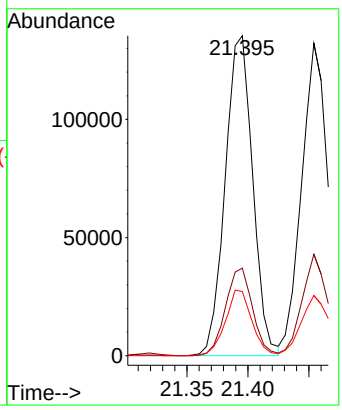




#81
Benzo(a)anthracene
Concen: 20.119 ng
RT: 21.395 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:228 Resp: 21316

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.8	34.2
229	20.1	15.2	22.8

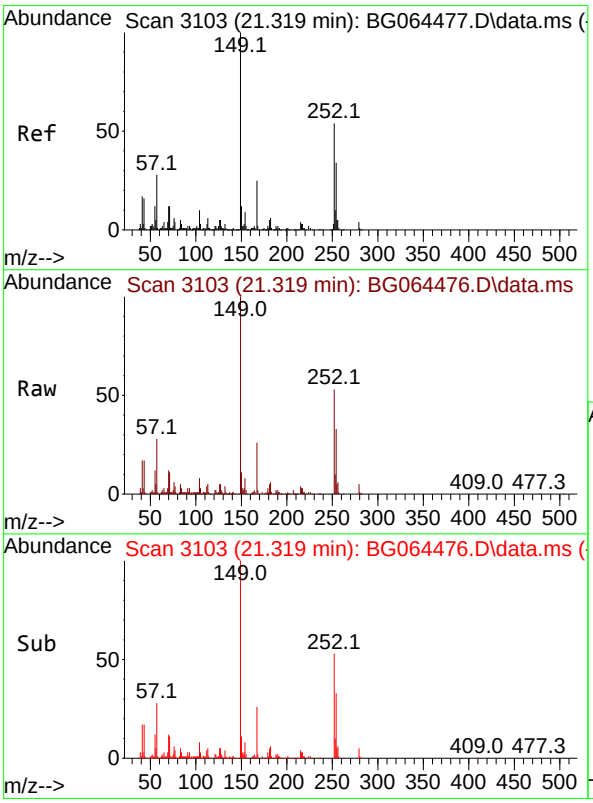


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

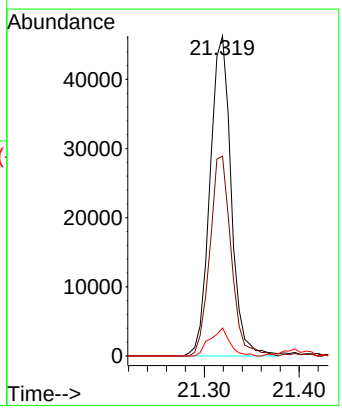
Supervised By :Jagrut Upadhyay
10/03/2025

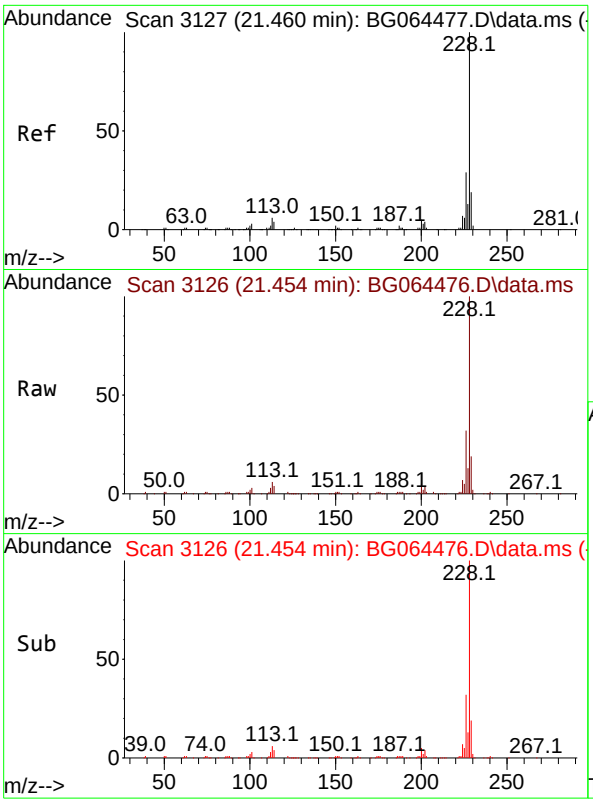


#82
3,3'-Dichlorobenzidine
Concen: 19.958 ng
RT: 21.319 min Scan# 3103
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:252 Resp: 71567

Ion	Ratio	Lower	Upper
252	100		
254	62.4	50.5	75.7
126	8.7	7.1	10.7

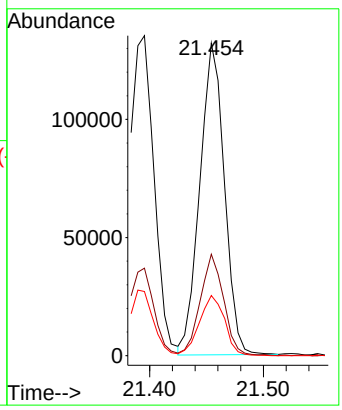




#83
Chrysene
Concen: 19.732 ng
RT: 21.454 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:228 Resp: 19826

Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.8	34.2
229	19.3	15.4	23.0

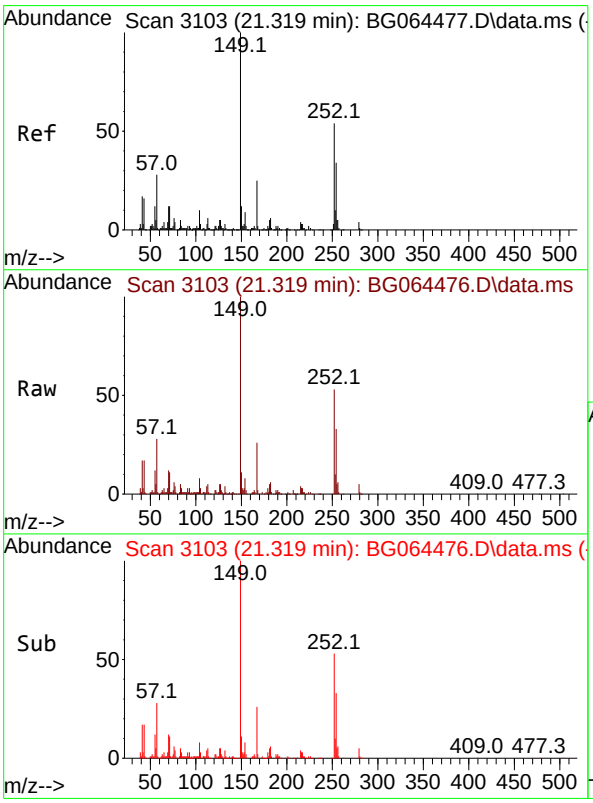


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

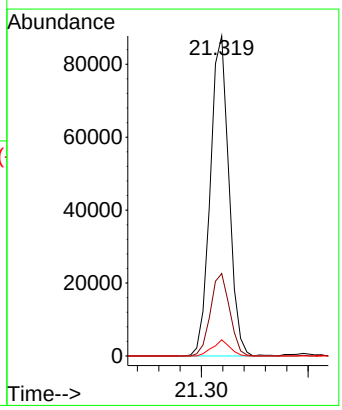
Supervised By :Jagrut Upadhyay
10/03/2025

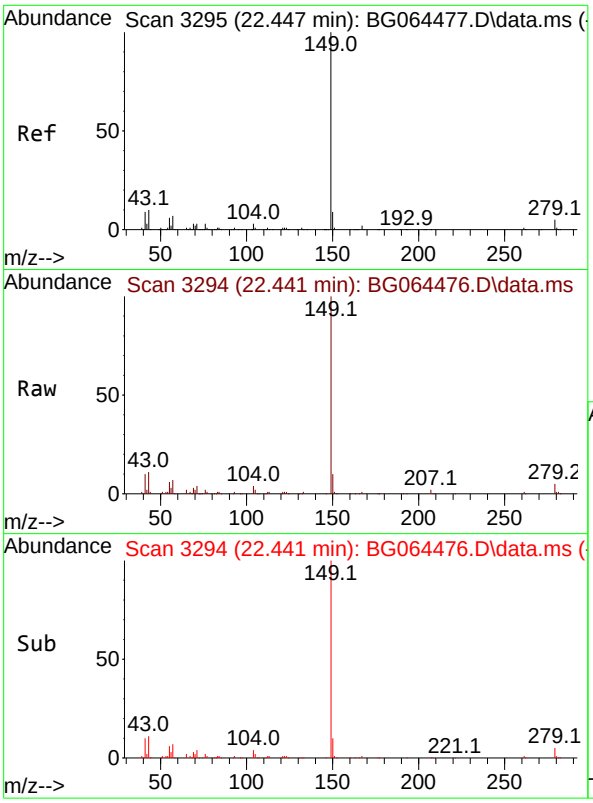


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.731 ng
RT: 21.319 min Scan# 3103
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:149 Resp: 106271

Ion	Ratio	Lower	Upper
149	100		
167	25.7	19.7	29.5
279	5.0	3.4	5.2

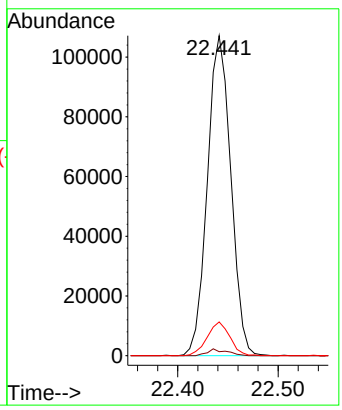




#85
Di-n-octyl phthalate
Concen: 19.247 ng
RT: 22.441 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:149 Resp: 17422

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	10.2	7.9	11.9

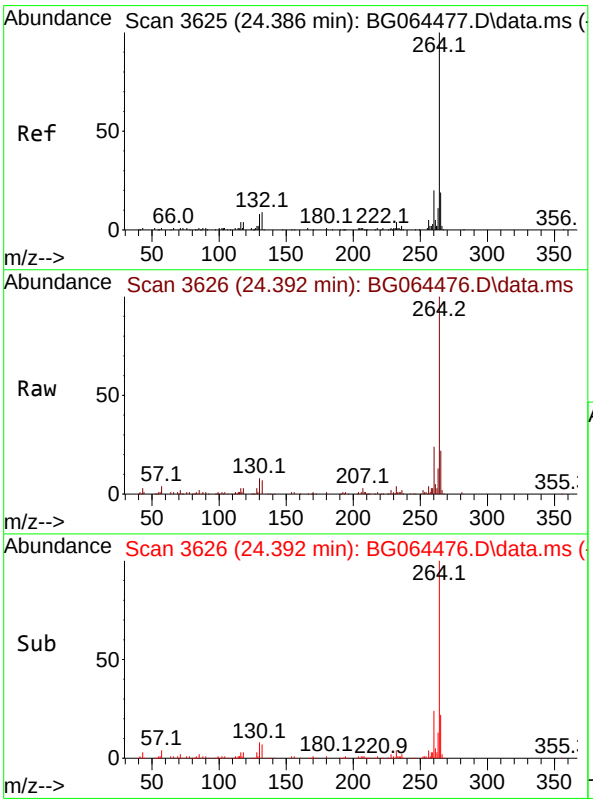


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

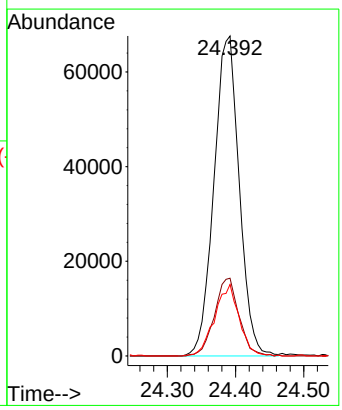
Supervised By :Jagrut Upadhyay
10/03/2025

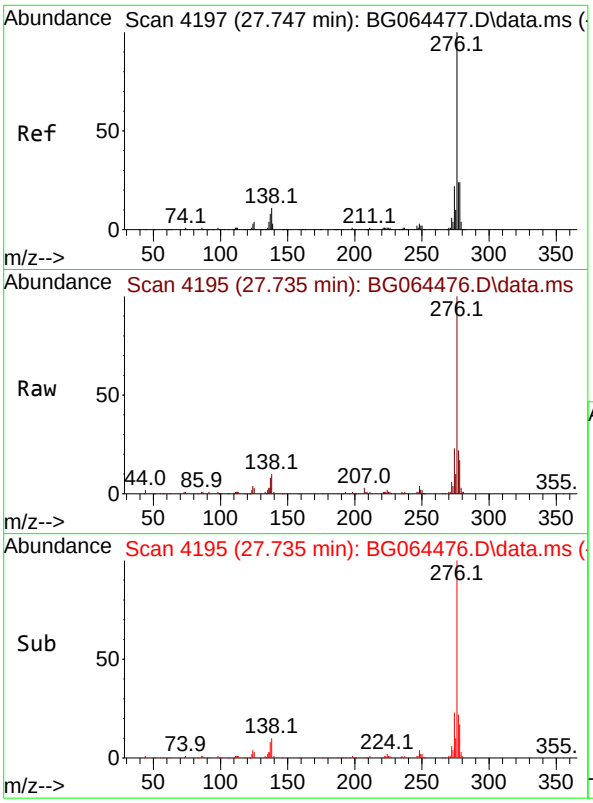


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.392 min Scan# 3626
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:264 Resp: 174482

Ion	Ratio	Lower	Upper
264	100		
260	24.3	16.2	24.4
265	22.4	15.0	22.4

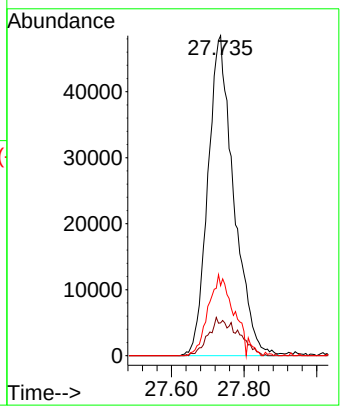




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.796 ng
RT: 27.735 min Scan# 4
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:276 Resp: 24042

Ion	Ratio	Lower	Upper
276	100		
138	13.5	10.8	16.2
277	24.2	20.3	30.5

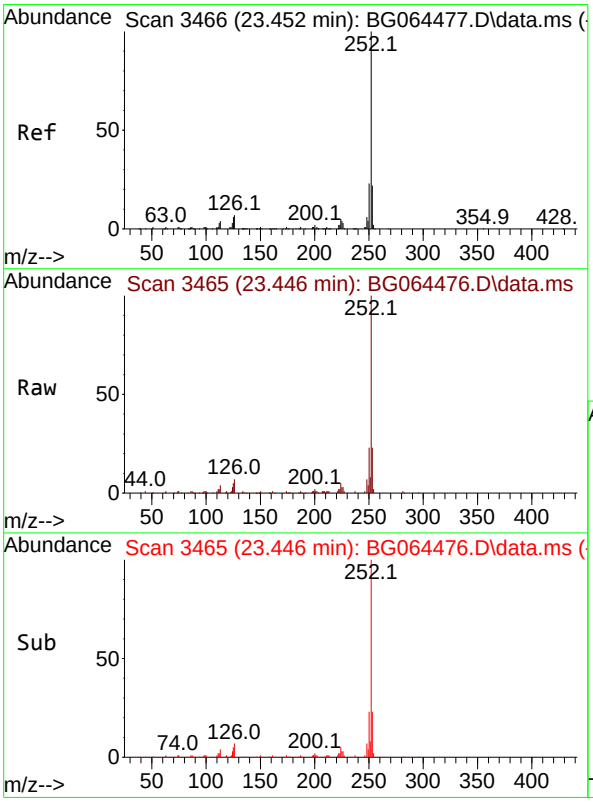


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

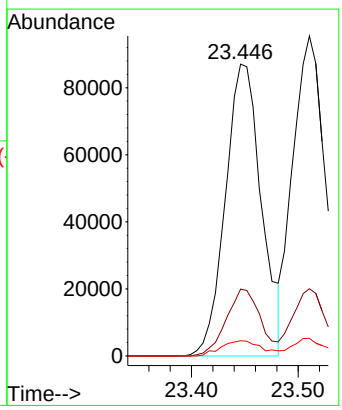
Supervised By :Jagrut Upadhyay
10/03/2025

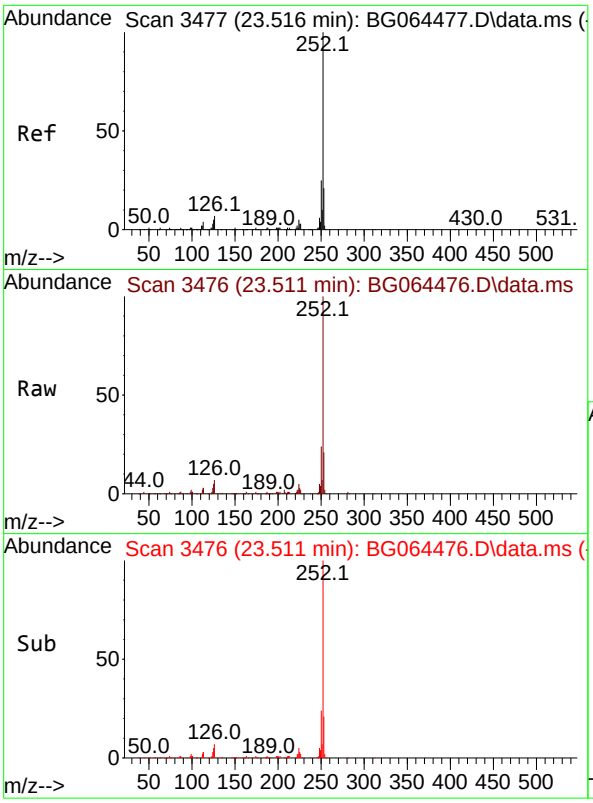


#88
Benzo(b)fluoranthene
Concen: 20.591 ng
RT: 23.446 min Scan# 3465
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:252 Resp: 204393

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	5.2	4.5	6.7

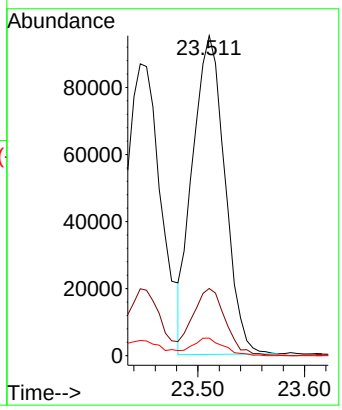




#89
Benzo(k)fluoranthene
Concen: 19.991 ng
RT: 23.511 min Scan# 34
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:252 Resp: 19985

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.4	26.2
125	5.5	4.0	6.0

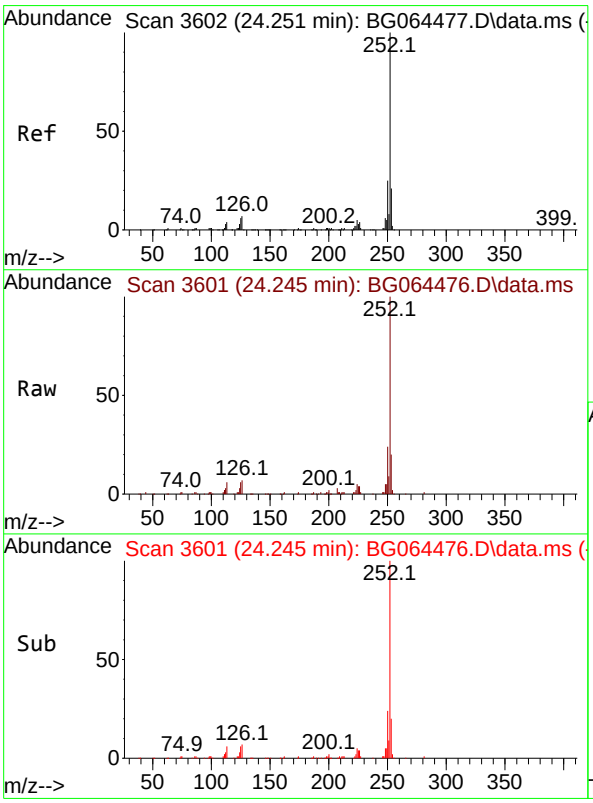


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

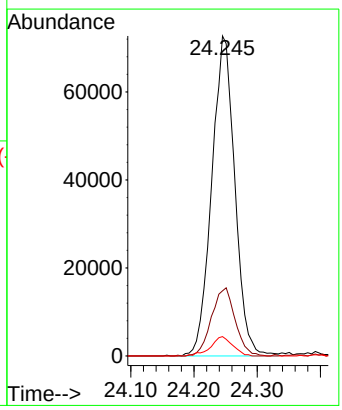
Supervised By :Jagrut Upadhyay
10/03/2025

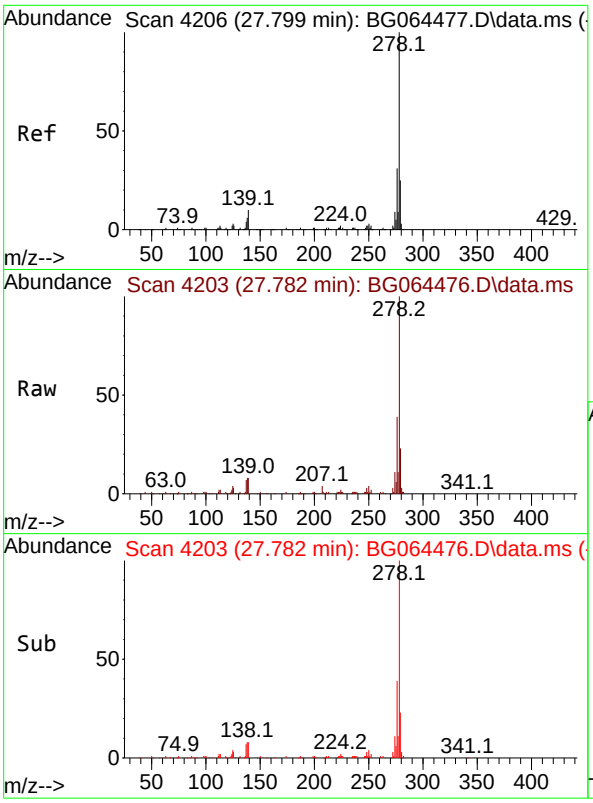


#90
Benzo(a)pyrene
Concen: 20.191 ng
RT: 24.245 min Scan# 3601
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:252 Resp: 184712

Ion	Ratio	Lower	Upper
252	100		
253	20.3	17.1	25.7
125	6.1	4.6	6.8

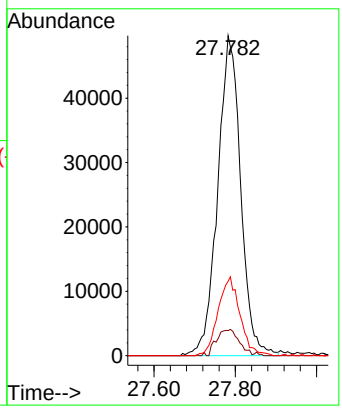




#91
Dibenzo(a,h)anthracene
Concen: 20.134 ng
RT: 27.782 min Scan# 4
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:278 Resp: 19555

Ion	Ratio	Lower	Upper
278	100		
139	7.9	8.2	12.2#
279	23.3	19.6	29.4

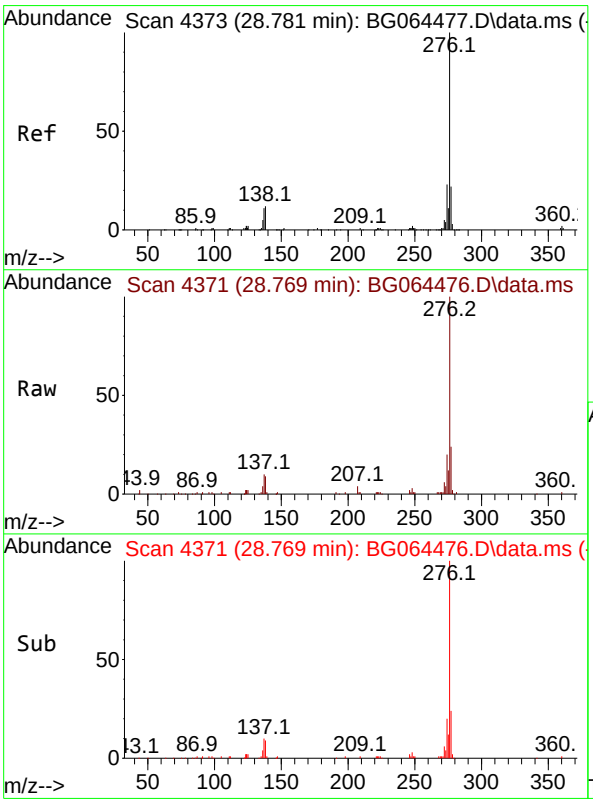


Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/03/2025

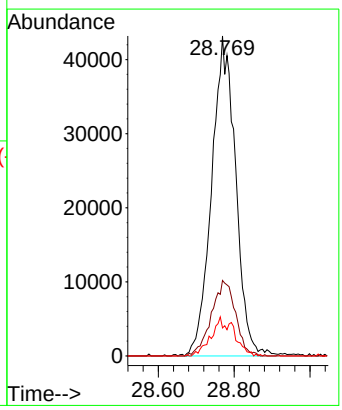
Supervised By :Jagrut Upadhyay
10/03/2025



#92
Benzo(g,h,i)perylene
Concen: 20.108 ng
RT: 28.769 min Scan# 4371
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:276 Resp: 189789

Ion	Ratio	Lower	Upper
276	100		
277	23.6	17.8	26.6
138	8.7	9.4	14.0#



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064477.D
Acq On : 2 Oct 2025 12:14
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 02 16:52:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.823	152	16827	20.000	ng	0.00
21) Naphthalene-d8	10.614	136	74350	20.000	ng	0.00
39) Acenaphthene-d10	14.450	164	56405	20.000	ng	0.00
64) Phenanthrene-d10	17.188	188	137065	20.000	ng	0.00
76) Chrysene-d12	21.413	240	137806	20.000	ng	0.00
86) Perylene-d12	24.386	264	147142	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	80402	88.428	ng	0.00
7) Phenol-d6	7.000	99	109762	89.832	ng	0.01
23) Nitrobenzene-d5	8.974	82	117636	85.074	ng	0.00
42) 2,4,6-Tribromophenol	15.937	330	85878	83.995	ng	0.00
45) 2-Fluorobiphenyl	13.076	172	323605	84.566	ng	0.00
79) Terphenyl-d14	19.809	244	619099	85.021	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.322	88	14750	41.013	ng	100
3) Pyridine	3.716	79	41592	43.032	ng	100
4) n-Nitrosodimethylamine	3.628	42	29056	41.468	ng	100
6) Aniline	7.153	93	67996	44.118	ng	100
8) 2-Chlorophenol	7.394	128	48971	43.861	ng	100
9) Benzaldehyde	6.965	77	51397m	47.387	ng	
10) Phenol	7.024	94	56653	43.953	ng	100
11) bis(2-Chloroethyl)ether	7.247	93	38161	43.717	ng	100
12) 1,3-Dichlorobenzene	7.711	146	53245	43.595	ng	100
13) 1,4-Dichlorobenzene	7.858	146	53223	43.419	ng	100
14) 1,2-Dichlorobenzene	8.175	146	51602	42.713	ng	100
15) Benzyl Alcohol	8.058	79	48695	43.275	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.346	45	60702	43.142	ng	100
17) 2-Methylphenol	8.269	107	40881	43.800	ng	100
18) Hexachloroethane	8.904	117	20312	41.981	ng	100
19) n-Nitroso-di-n-propyla...	8.628	70	36888	45.142	ng	100
20) 3+4-Methylphenols	8.593	107	57201	43.917	ng	100
22) Acetophenone	8.640	105	76751	42.634	ng	100
24) Nitrobenzene	9.021	77	58730	42.592	ng	100
25) Isophorone	9.539	82	107231	42.808	ng	100
26) 2-Nitrophenol	9.727	139	28524	41.564	ng	100
27) 2,4-Dimethylphenol	9.791	122	44394	42.353	ng	100
28) bis(2-Chloroethoxy)met...	10.026	93	55697	43.620	ng	100
29) 2,4-Dichlorophenol	10.261	162	50964	42.046	ng	100
30) 1,2,4-Trichlorobenzene	10.479	180	56079	42.432	ng	100
31) Naphthalene	10.661	128	164638	43.002	ng	100
32) Benzoic acid	9.944	122	34057m	42.319	ng	
33) 4-Chloroaniline	10.767	127	62035	42.224	ng	100
34) Hexachlorobutadiene	10.949	225	47047	41.566	ng	100
35) Caprolactam	11.542	113	17062	41.118	ng	100
36) 4-Chloro-3-methylphenol	11.900	107	62176	42.181	ng	100
37) 2-Methylnaphthalene	12.271	142	125298	42.634	ng	100
38) 1-Methylnaphthalene	12.488	142	122645	41.851	ng	100
40) 1,2,4,5-Tetrachloroben...	12.641	216	79864	43.852	ng	100
41) Hexachlorocyclopentadiene	12.623	237	40946	42.981	ng	100
43) 2,4,6-Trichlorophenol	12.882	196	50247	43.159	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064477.D
Acq On : 2 Oct 2025 12:14
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 02 16:52:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.958	196	54781	42.147	ng	100
46) 1,1'-Biphenyl	13.287	154	171549	42.286	ng	100
47) 2-Chloronaphthalene	13.328	162	130095	42.951	ng	100
48) 2-Nitroaniline	13.528	65	44764	43.302	ng	100
49) Acenaphthylene	14.168	152	192196	42.745	ng	100
50) Dimethylphthalate	13.910	163	183253	41.482	ng	100
51) 2,6-Dinitrotoluene	14.027	165	38023	41.318	ng	100
52) Acenaphthene	14.515	154	130718	41.846	ng	100
53) 3-Nitroaniline	14.356	138	36025	42.448	ng	100
54) 2,4-Dinitrophenol	14.562	184	23359	35.006	ng	100
55) Dibenzofuran	14.850	168	215338	41.749	ng	100
56) 4-Nitrophenol	14.668	139	29383	43.974	ng	100
57) 2,4-Dinitrotoluene	14.815	165	59462	42.268	ng	100
58) Fluorene	15.496	166	180574	42.112	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.079	232	57000	42.971	ng	100
60) Diethylphthalate	15.273	149	195149	41.179	ng	100
61) 4-Chlorophenyl-phenyle...	15.496	204	97895	41.818	ng	100
62) 4-Nitroaniline	15.520	138	37694	42.613	ng	100
63) Azobenzene	15.784	77	151875	41.381	ng	100
65) 4,6-Dinitro-2-methylph...	15.579	198	39733	41.634	ng	100
66) n-Nitrosodiphenylamine	15.708	169	155849	42.580	ng	100
67) 4-Bromophenyl-phenylether	16.383	248	69462	43.066	ng	100
68) Hexachlorobenzene	16.501	284	79010	42.809	ng	100
69) Atrazine	16.660	200	68458	42.039	ng	100
70) Pentachlorophenol	16.848	266	46456	43.049	ng	100
71) Phenanthrene	17.235	178	304441	42.473	ng	100
72) Anthracene	17.324	178	309798	43.082	ng	100
73) Carbazole	17.594	167	270505	43.520	ng	100
74) Di-n-butylphthalate	18.158	149	325874	42.948	ng	100
75) Fluoranthene	19.245	202	364596	42.577	ng	100
77) Benzidine	19.421	184	178853	52.157	ng	100
78) Pyrene	19.603	202	383571	42.890	ng	100
80) Butylbenzylphthalate	20.496	149	136961	43.202	ng	100
81) Benzo(a)anthracene	21.395	228	373009	42.392	ng	100
82) 3,3'-Dichlorobenzidine	21.319	252	126107	42.345	ng	100
83) Chrysene	21.460	228	357557	42.849	ng	100
84) Bis(2-ethylhexyl)phtha...	21.319	149	190838	42.664	ng	100
85) Di-n-octyl phthalate	22.447	149	317830	42.277	ng	100
87) Indeno(1,2,3-cd)pyrene	27.747	276	439448	42.906	ng	100
88) Benzo(b)fluoranthene	23.452	252	356780	42.621	ng	100
89) Benzo(k)fluoranthene	23.516	252	362948	43.050	ng	100
90) Benzo(a)pyrene	24.251	252	330197	42.800	ng	100
91) Dibenzo(a,h)anthracene	27.799	278	350192	42.755	ng	100
92) Benzo(g,h,i)perylene	28.781	276	339180	42.613	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

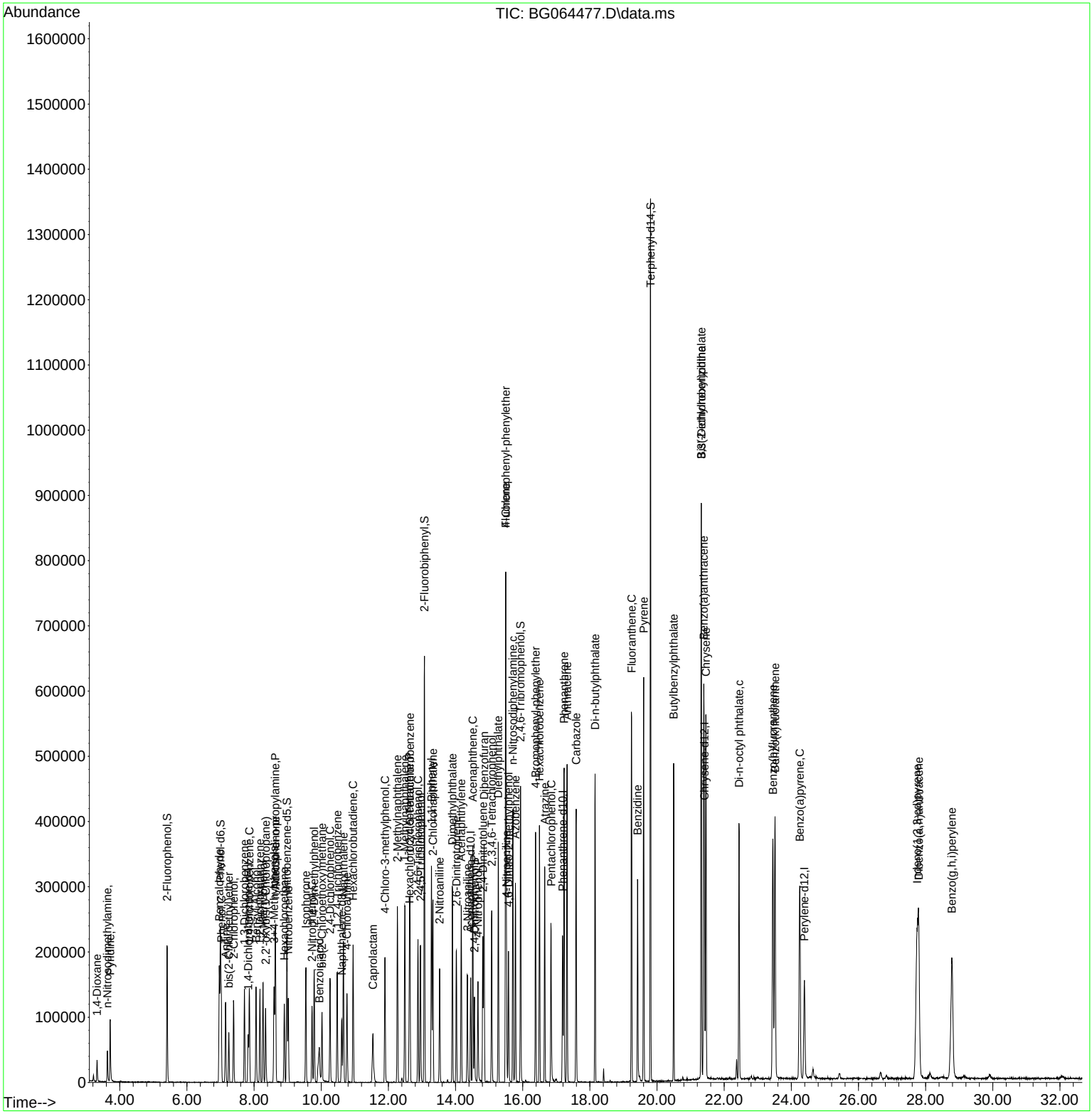
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064477.D
Acq On : 2 Oct 2025 12:14
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

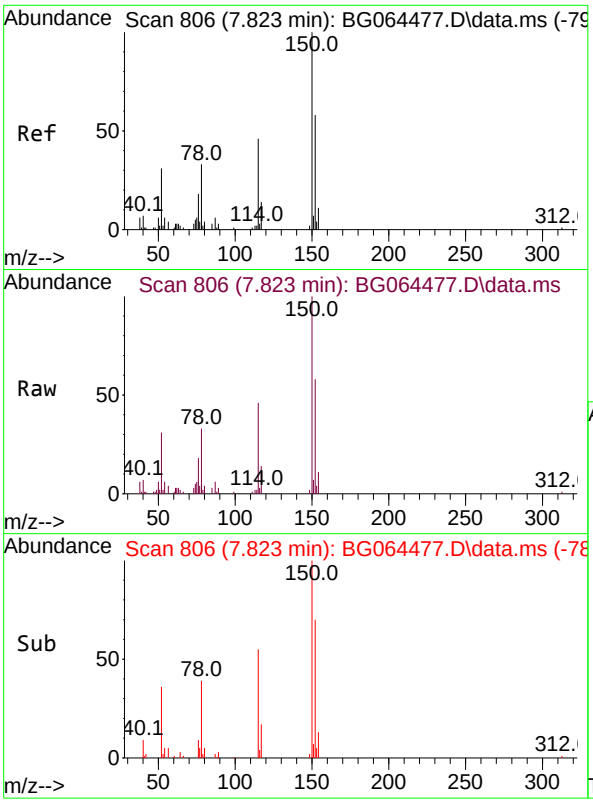
Quant Time: Oct 02 16:52:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

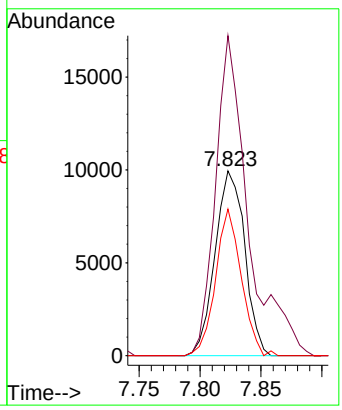




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.823 min Scan# 80
Delta R.T. 0.003 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:152 Resp: 1682

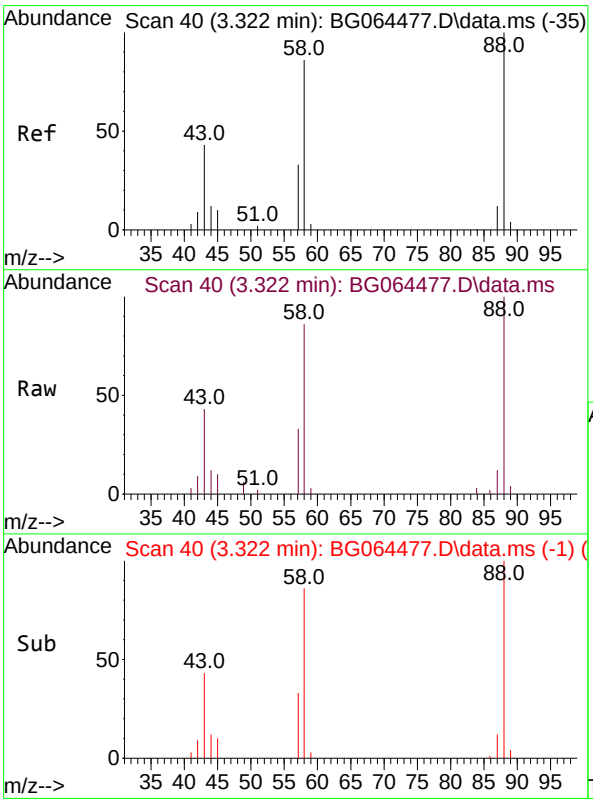
Ion	Ratio	Lower	Upper
152	100		
150	173.2	138.6	207.8
115	79.3	63.4	95.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

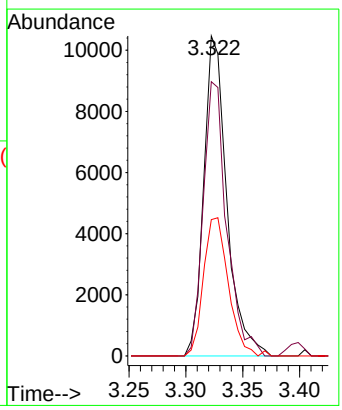
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

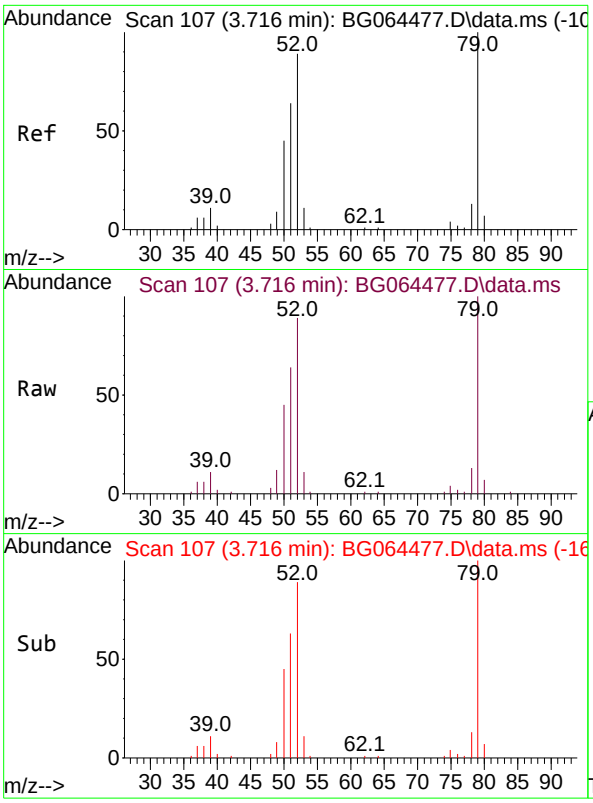


#2
1,4-Dioxane
Concen: 41.013 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 88 Resp: 14750

Ion	Ratio	Lower	Upper
88	100		
58	87.2	69.8	104.6
43	46.7	37.4	56.0

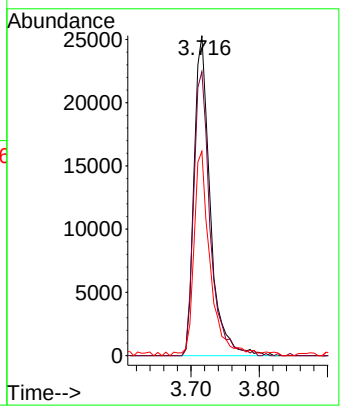




#3
Pyridine
Concen: 43.032 ng
RT: 3.716 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 79 Resp: 4159

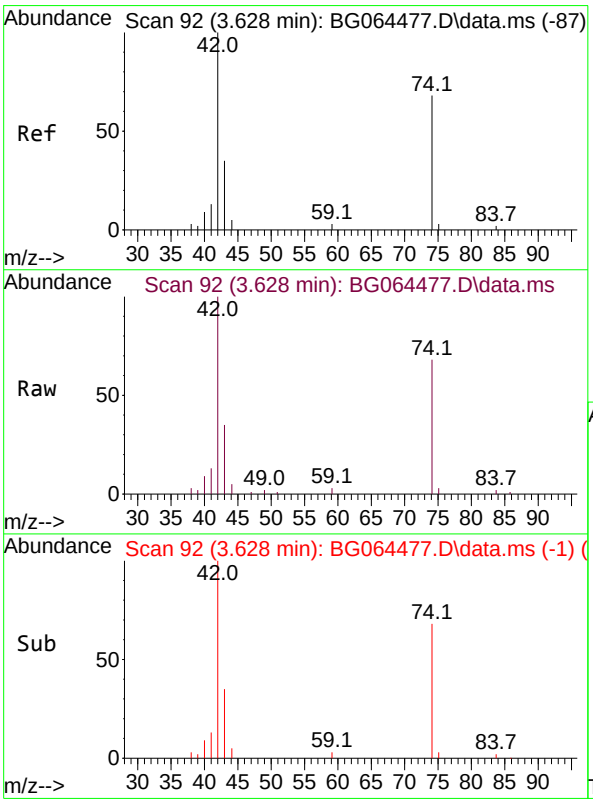
Ion	Ratio	Lower	Upper
79	100		
52	88.7	71.0	106.4
51	63.8	51.0	76.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

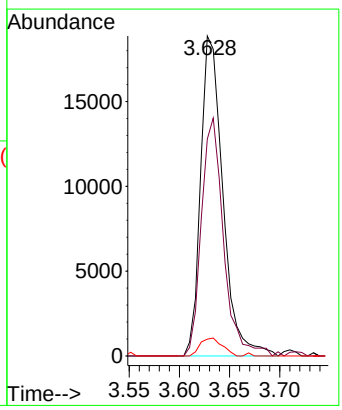
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

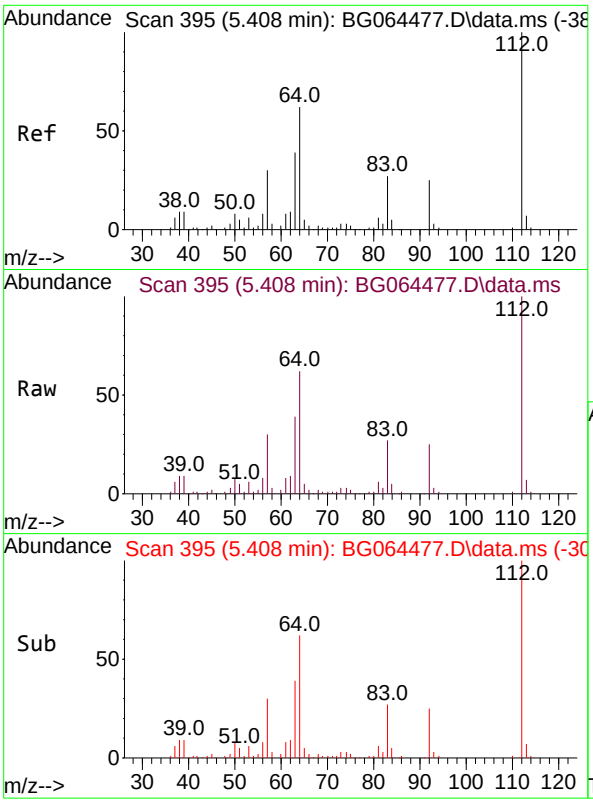


#4
n-Nitrosodimethylamine
Concen: 41.468 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 42 Resp: 29056

Ion	Ratio	Lower	Upper
42	100		
74	67.8	54.2	81.4
44	5.2	4.2	6.2

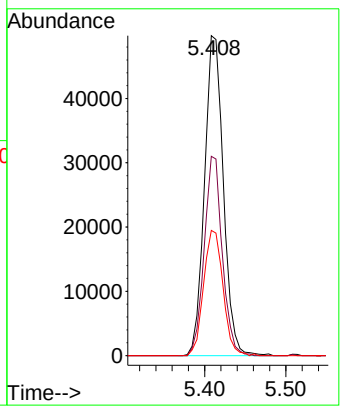




#5
2-Fluorophenol
Concen: 88.428 ng
RT: 5.408 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:112 Resp: 8040

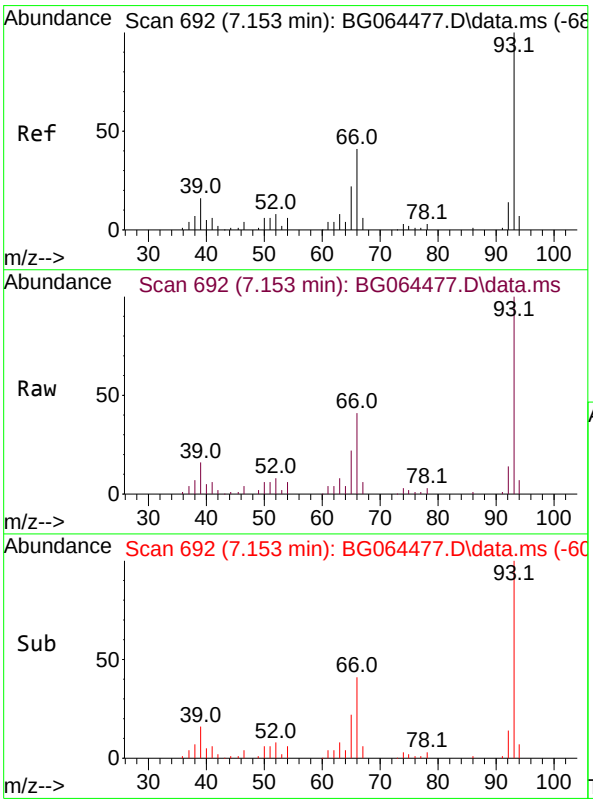
Ion	Ratio	Lower	Upper
112	100		
64	62.3	49.8	74.8
63	39.1	31.3	46.9



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

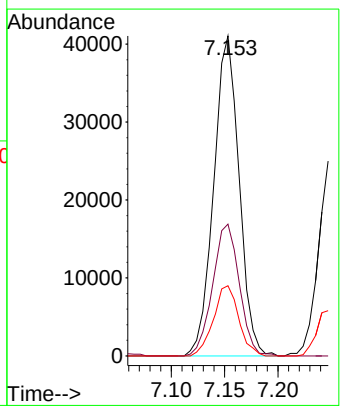
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

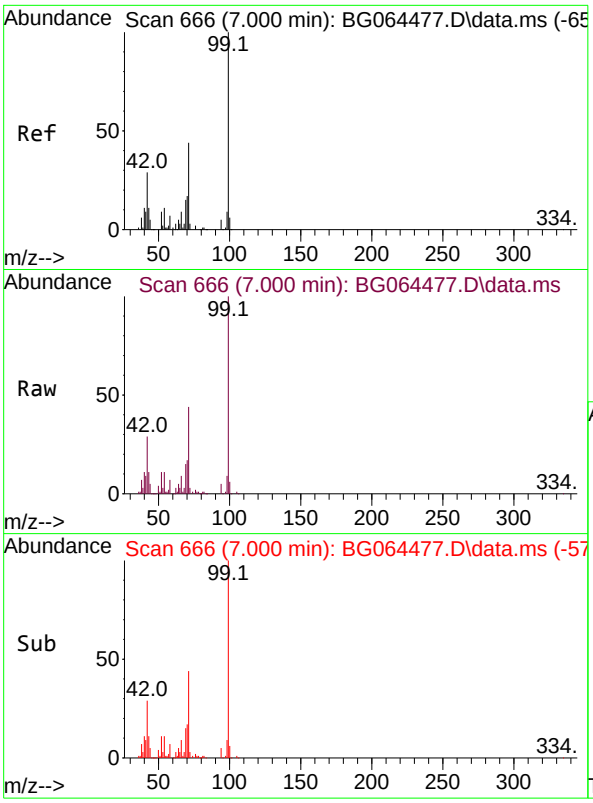


#6
Aniline
Concen: 44.118 ng
RT: 7.153 min Scan# 692
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 93 Resp: 67996

Ion	Ratio	Lower	Upper
93	100		
66	41.2	33.0	49.4
65	21.9	17.5	26.3

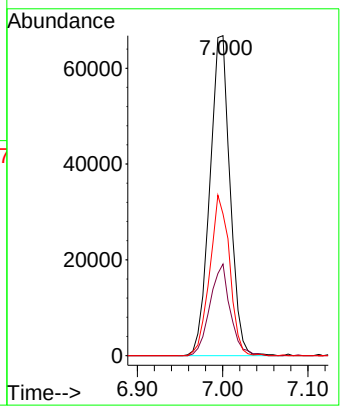




#7
Phenol-d6
Concen: 89.832 ng
RT: 7.000 min Scan# 6
Delta R.T. 0.014 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 99 Resp: 10976

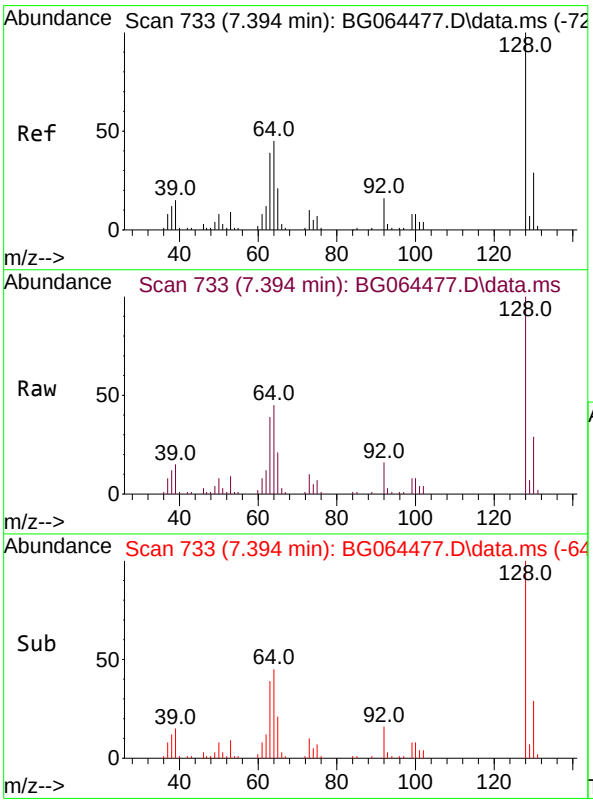
Ion	Ratio	Lower	Upper
99	100		
42	28.6	22.9	34.3
71	44.3	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

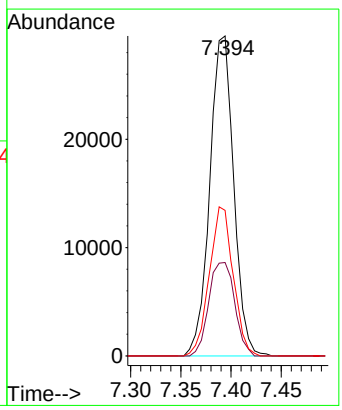
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

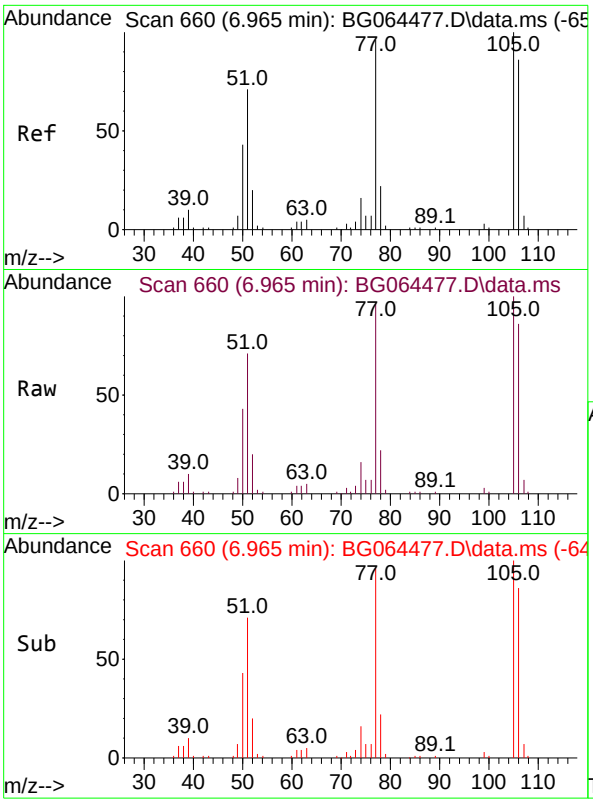


#8
2-Chlorophenol
Concen: 43.861 ng
RT: 7.394 min Scan# 733
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:128 Resp: 48971

Ion	Ratio	Lower	Upper
128	100		
130	29.2	9.2	49.2
64	45.5	25.5	65.5

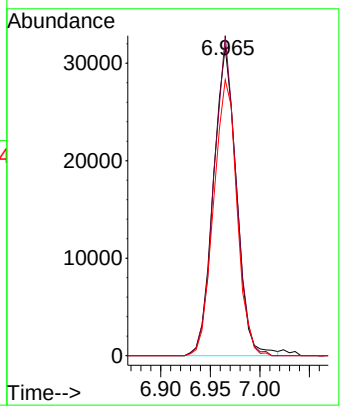




#9
Benzaldehyde
Concen: 47.387 ng m
RT: 6.965 min Scan# 6
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 77 Resp: 5139

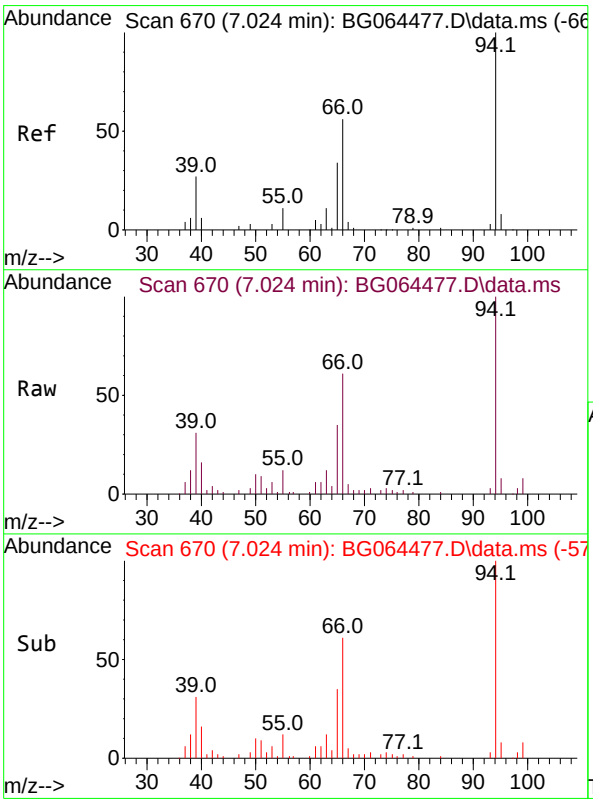
Ion	Ratio	Lower	Upper
77	100		
105	103.7	83.7	123.7
106	89.4	69.4	109.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

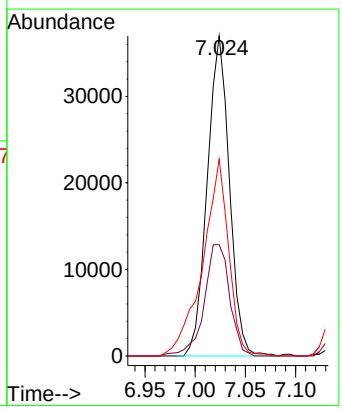
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

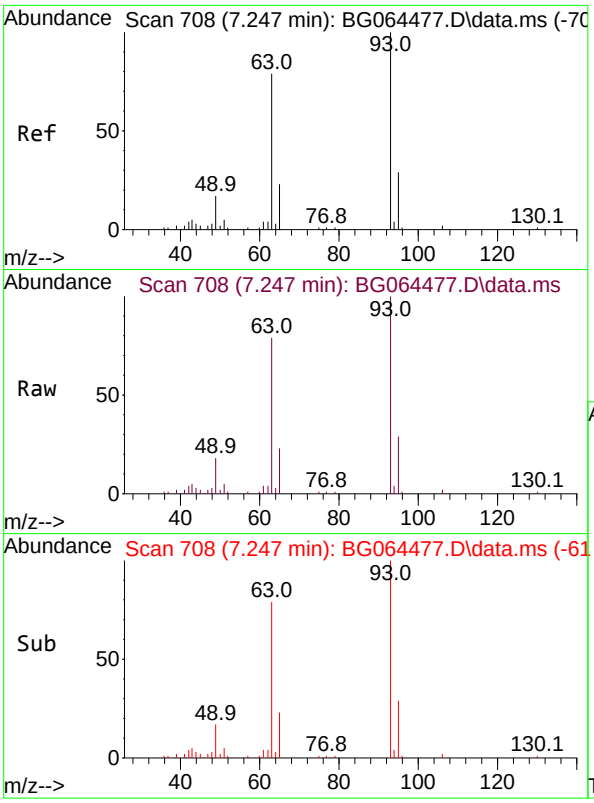


#10
Phenol
Concen: 43.953 ng
RT: 7.024 min Scan# 670
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 94 Resp: 56653

Ion	Ratio	Lower	Upper
94	100		
65	34.8	14.8	54.8
66	61.4	41.4	81.4

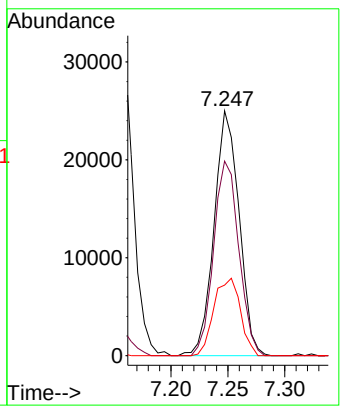




#11
bis(2-Chloroethyl)ether
Concen: 43.717 ng
RT: 7.247 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 93 Resp: 3816

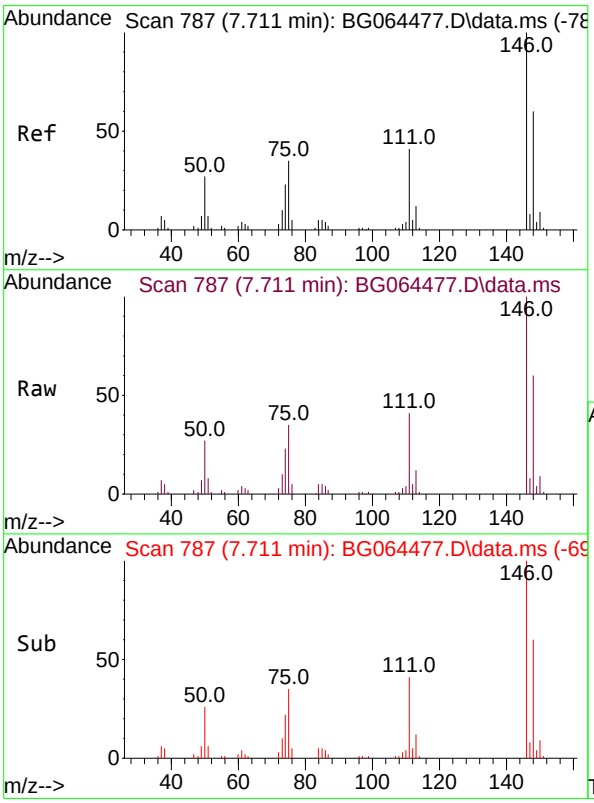
Ion	Ratio	Lower	Upper
93	100		
63	79.5	59.5	99.5
95	28.8	8.8	48.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

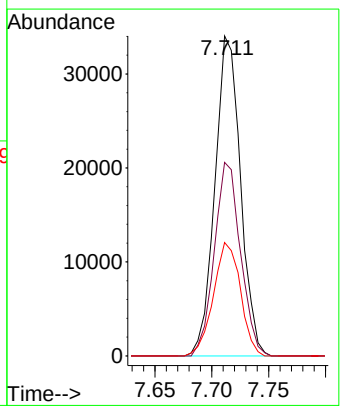
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

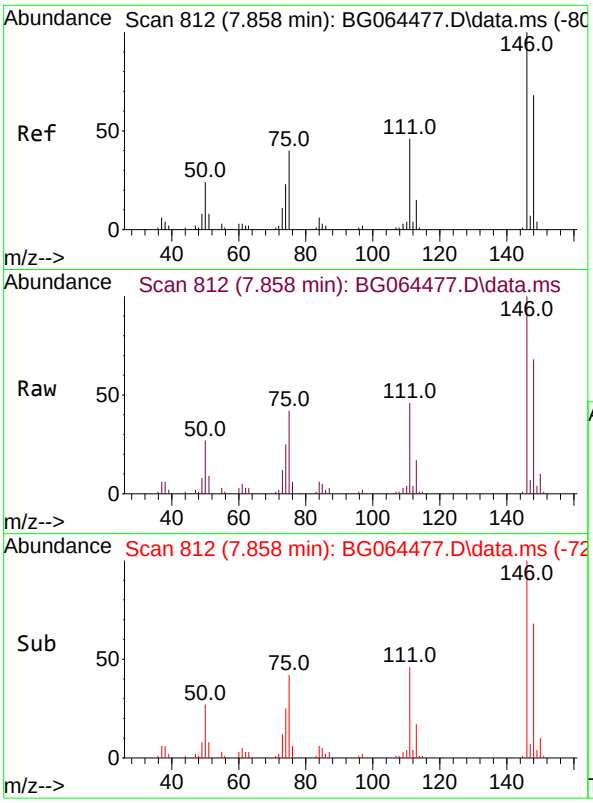


#12
1,3-Dichlorobenzene
Concen: 43.595 ng
RT: 7.711 min Scan# 787
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:146 Resp: 53245

Ion	Ratio	Lower	Upper
146	100		
148	60.5	48.4	72.6
75	35.4	28.3	42.5

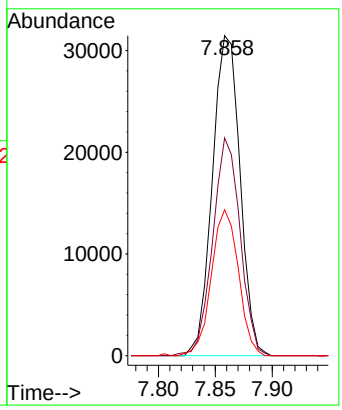




#13
1,4-Dichlorobenzene
Concen: 43.419 ng
RT: 7.858 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:146 Resp: 5322

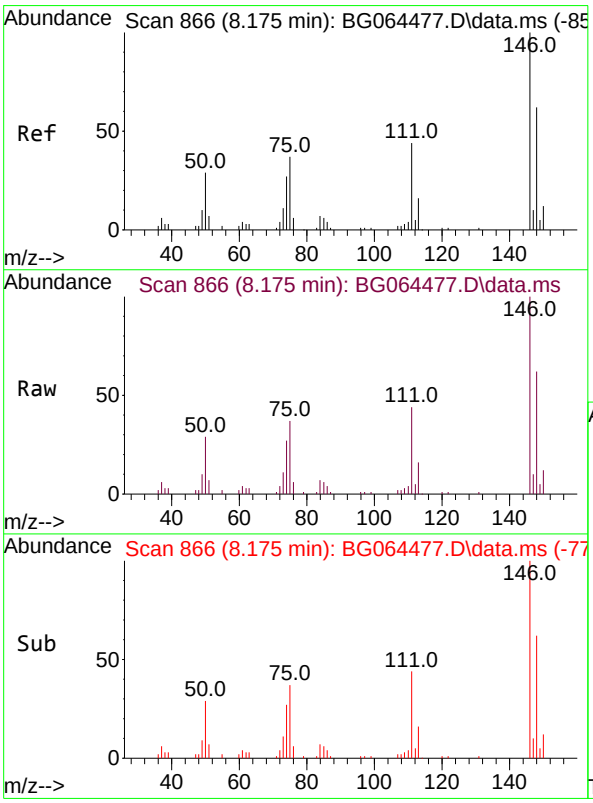
Ion	Ratio	Lower	Upper
146	100		
148	68.0	54.4	81.6
111	45.6	36.5	54.7



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

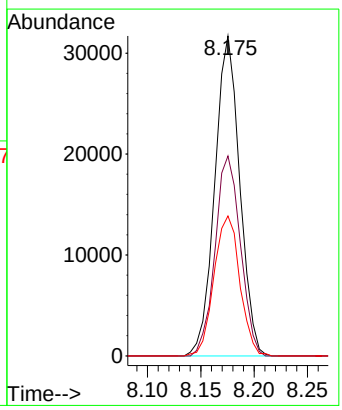
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

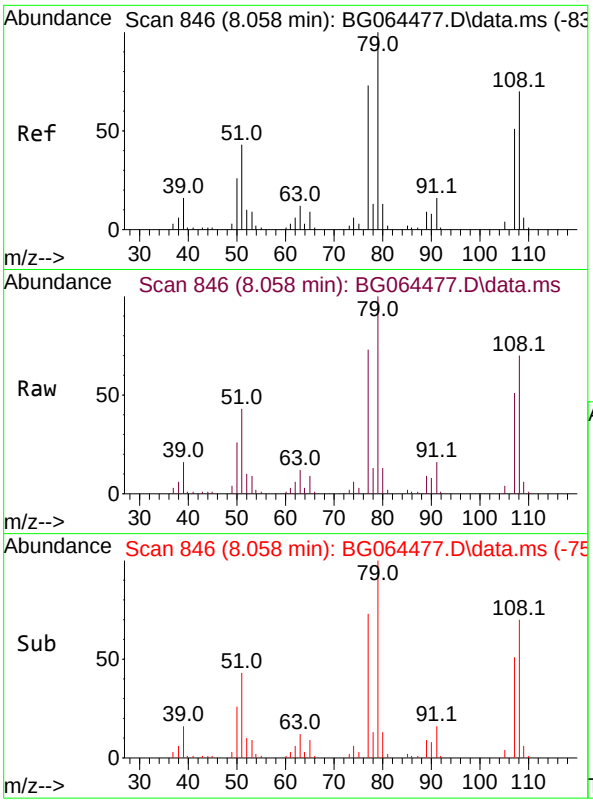


#14
1,2-Dichlorobenzene
Concen: 42.713 ng
RT: 8.175 min Scan# 866
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:146 Resp: 51602

Ion	Ratio	Lower	Upper
146	100		
148	62.5	50.0	75.0
111	43.7	35.0	52.4

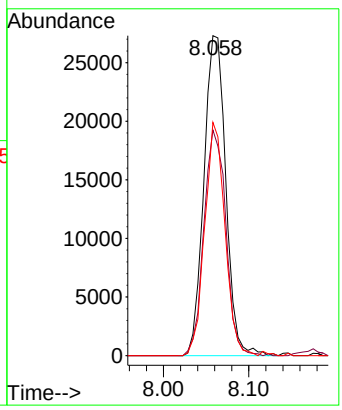




#15
Benzyl Alcohol
Concen: 43.275 ng
RT: 8.058 min Scan# 84
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 79 Resp: 4869

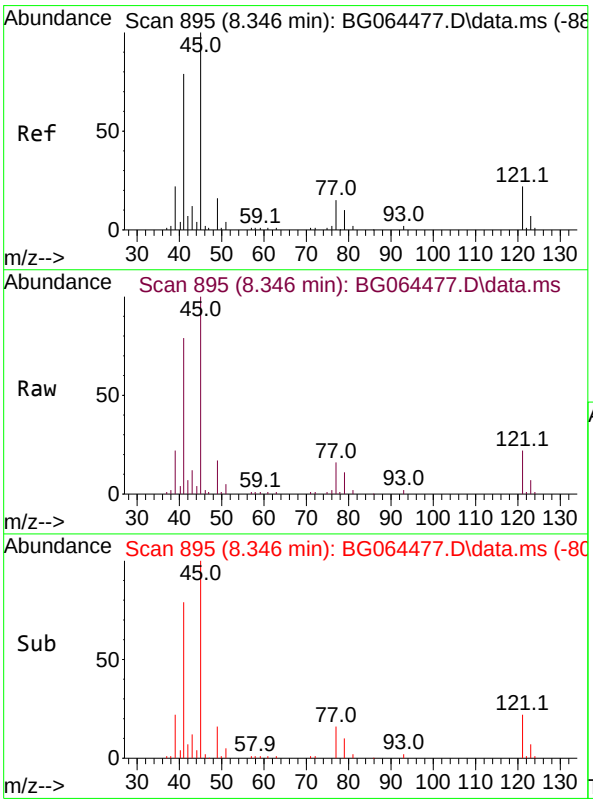
Ion	Ratio	Lower	Upper
79	100		
108	70.5	56.4	84.6
77	72.9	58.3	87.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

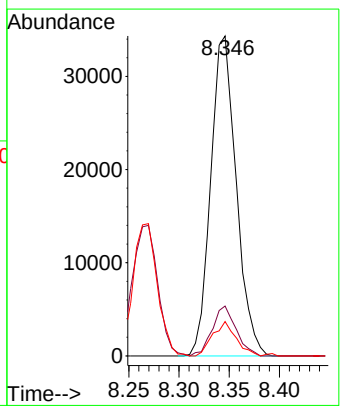
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

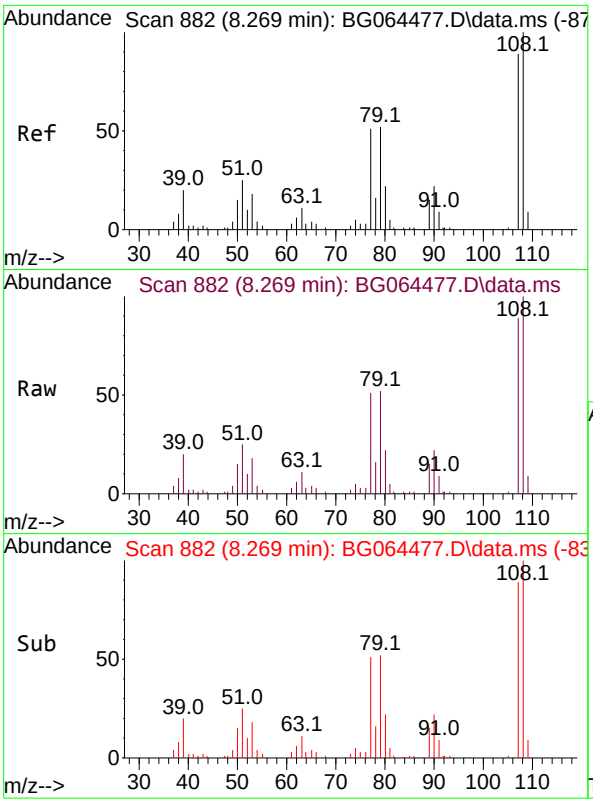


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.142 ng
RT: 8.346 min Scan# 895
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 45 Resp: 60702

Ion	Ratio	Lower	Upper
45	100		
77	15.6	0.0	35.6
79	10.7	0.0	30.7

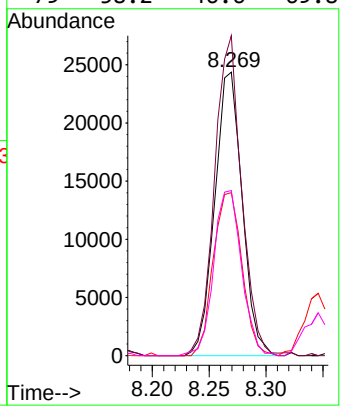




#17
2-Methylphenol
Concen: 43.800 ng
RT: 8.269 min Scan# 88
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:107 Resp: 4088

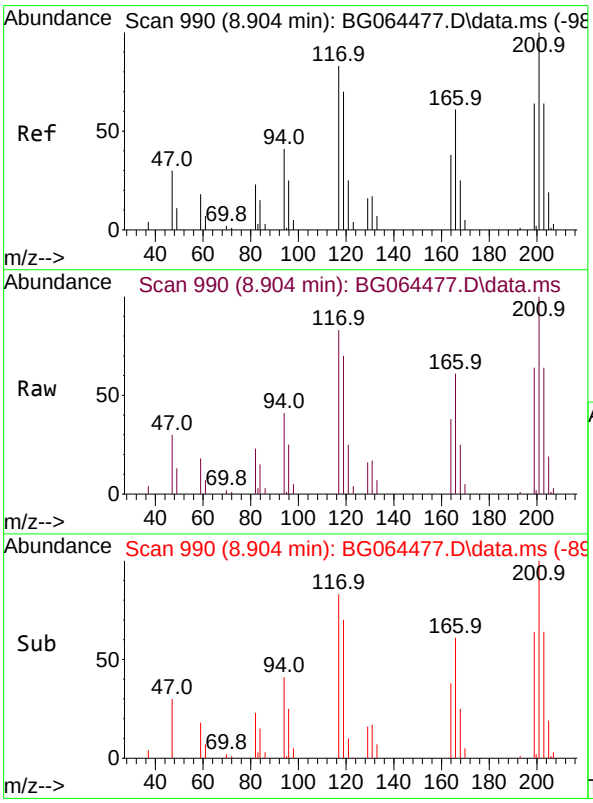
Ion	Ratio	Lower	Upper
107	100		
108	112.9	90.3	135.5
77	57.5	46.0	69.0
79	58.2	46.6	69.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

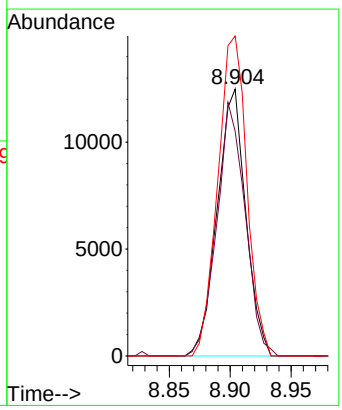
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

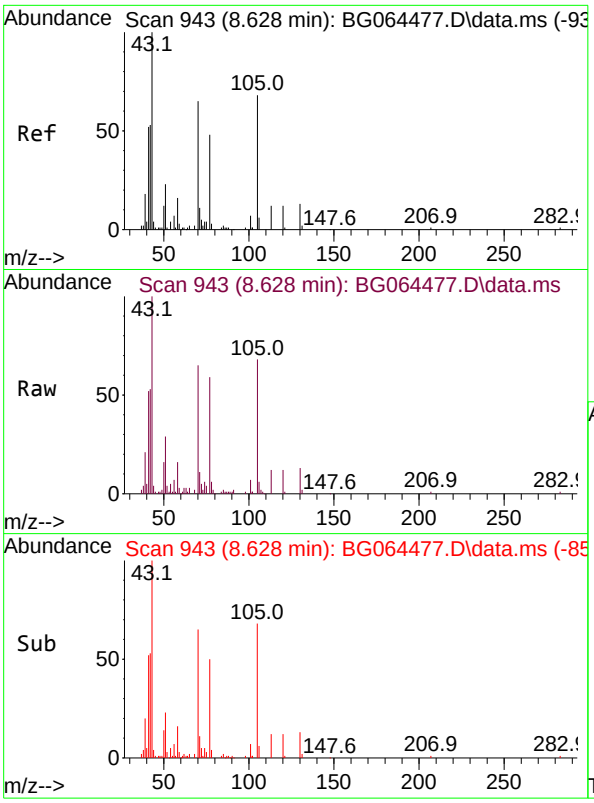


#18
Hexachloroethane
Concen: 41.981 ng
RT: 8.904 min Scan# 990
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:117 Resp: 20312

Ion	Ratio	Lower	Upper
117	100		
119	84.2	67.4	101.0
201	119.9	95.9	143.9

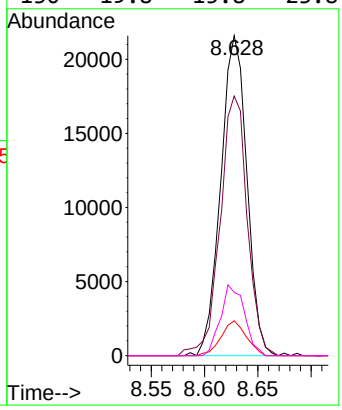




#19
n-Nitroso-di-n-propylamine
Concen: 45.142 ng
RT: 8.628 min Scan# 94
Delta R.T. 0.014 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 70 Resp: 3688

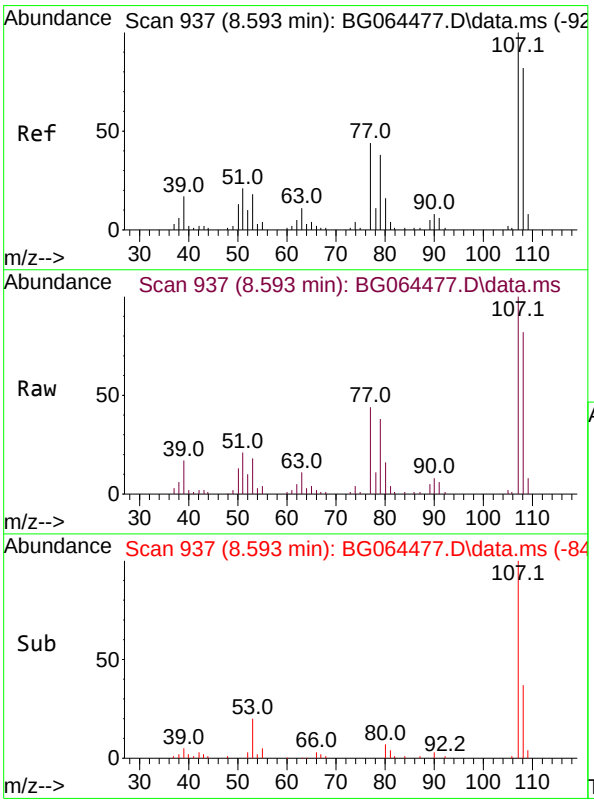
Ion	Ratio	Lower	Upper
70	100		
42	81.1	64.9	97.3
101	10.9	8.7	13.1
130	19.8	15.8	23.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

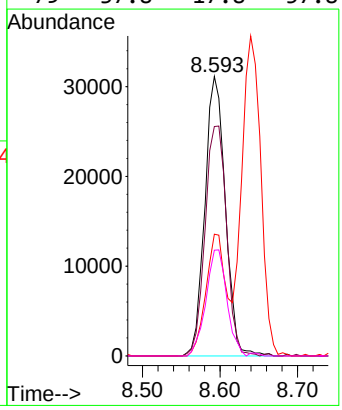
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

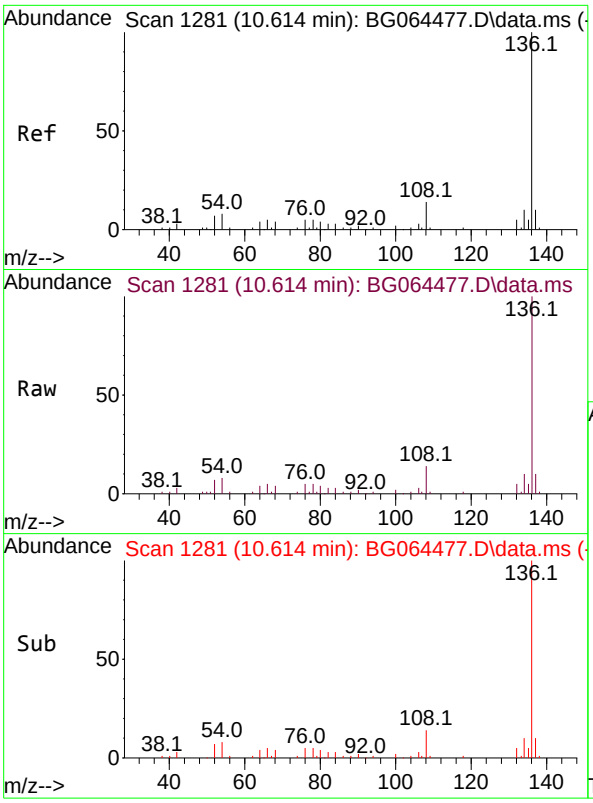


#20
3+4-Methylphenols
Concen: 43.917 ng
RT: 8.593 min Scan# 937
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:107 Resp: 57201

Ion	Ratio	Lower	Upper
107	100		
108	82.1	62.1	102.1
77	43.5	23.5	63.5
79	37.8	17.8	57.8

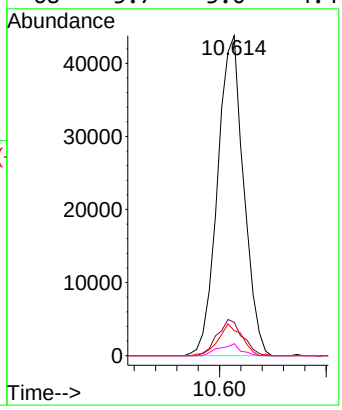




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.614 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:136 Resp: 7435

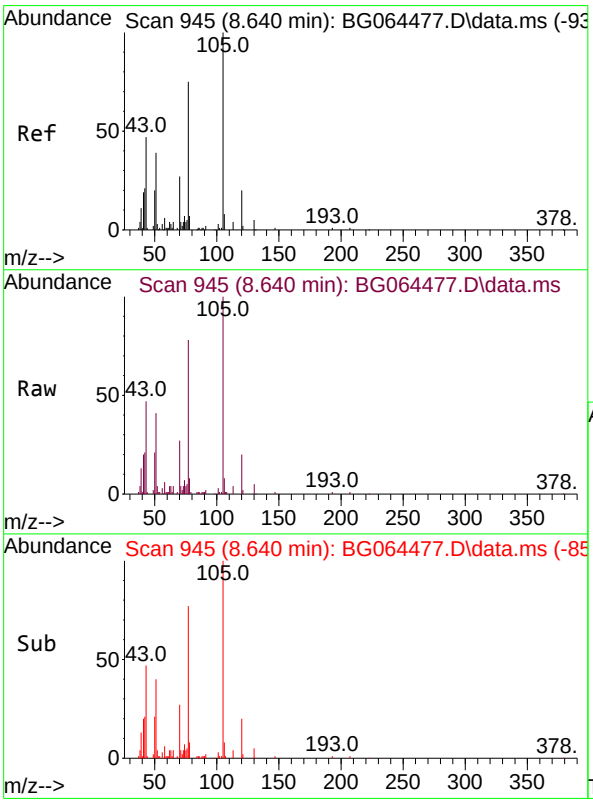
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.3	12.5
54	7.8	6.2	9.4
68	3.7	3.0	4.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

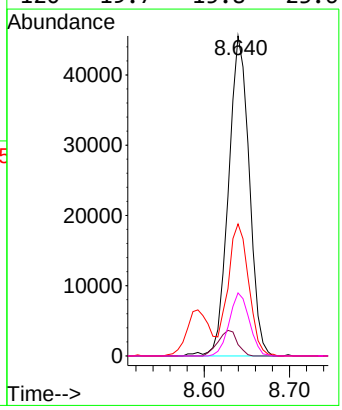
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

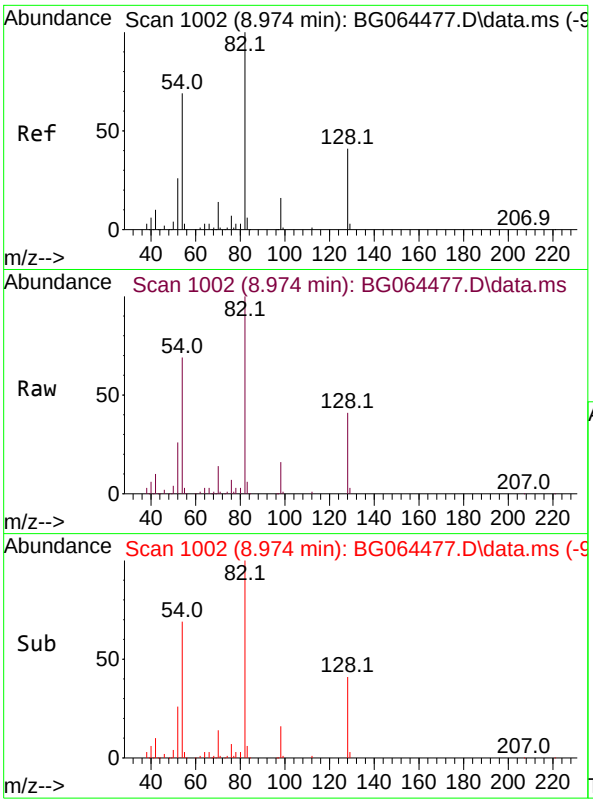


#22
Acetophenone
Concen: 42.634 ng
RT: 8.640 min Scan# 945
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:105 Resp: 76751

Ion	Ratio	Lower	Upper
105	100		
71	3.5	2.8	4.2
51	41.2	33.0	49.4
120	19.7	15.8	23.6

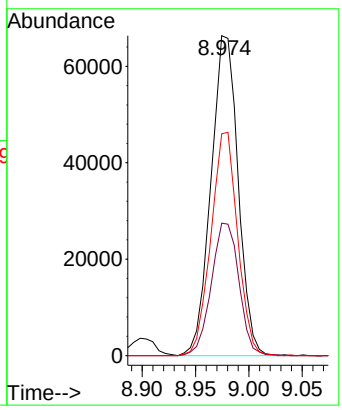




#23
Nitrobenzene-d5
Concen: 85.074 ng
RT: 8.974 min Scan# 10
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 82 Resp: 11763

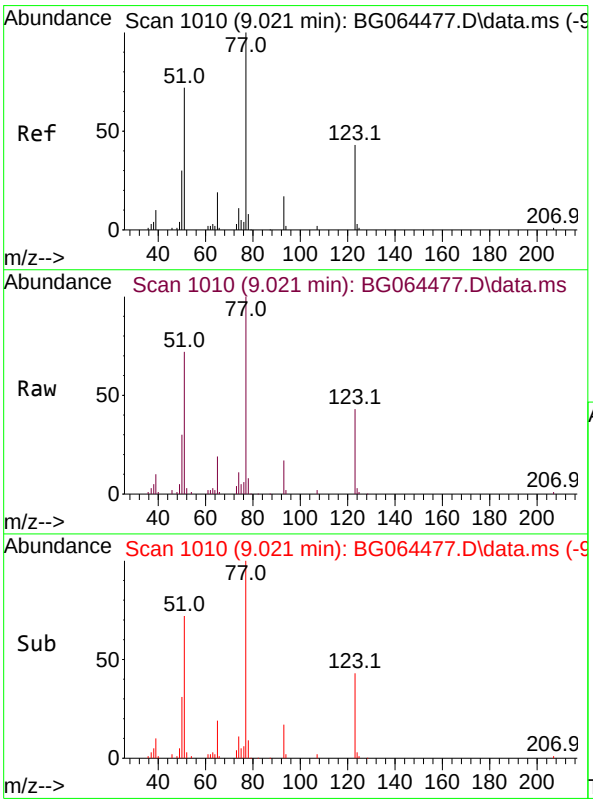
Ion	Ratio	Lower	Upper
82	100		
128	41.4	33.1	49.7
54	69.3	55.4	83.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

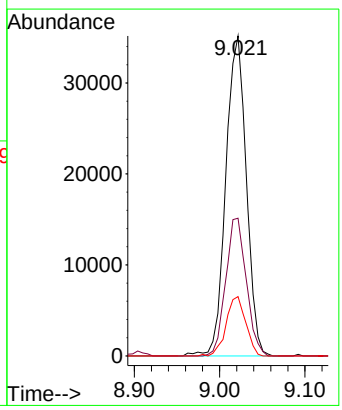
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

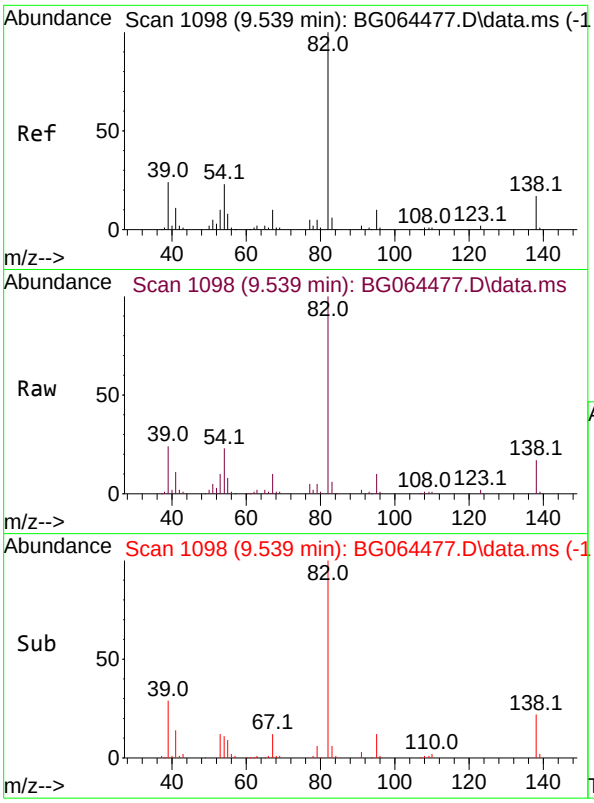


#24
Nitrobenzene
Concen: 42.592 ng
RT: 9.021 min Scan# 1010
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 77 Resp: 58730

Ion	Ratio	Lower	Upper
77	100		
123	43.0	34.4	51.6
65	18.5	14.8	22.2

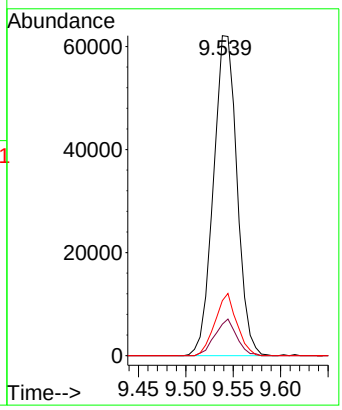




#25
Isophorone
Concen: 42.808 ng
RT: 9.539 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 82 Resp: 10723

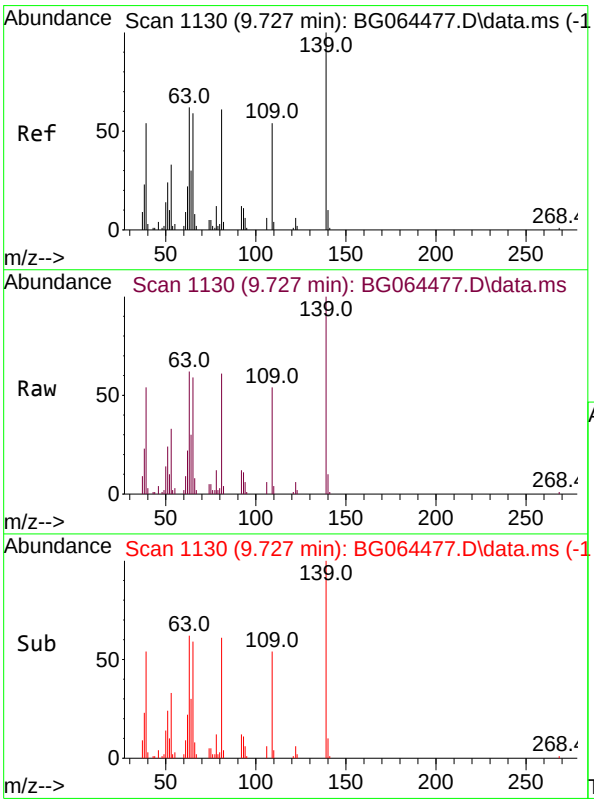
Ion	Ratio	Lower	Upper
82	100		
95	9.8	7.8	11.8
138	17.2	13.8	20.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

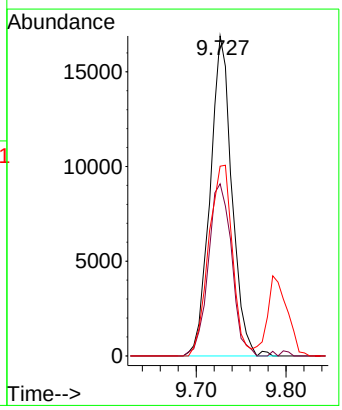
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

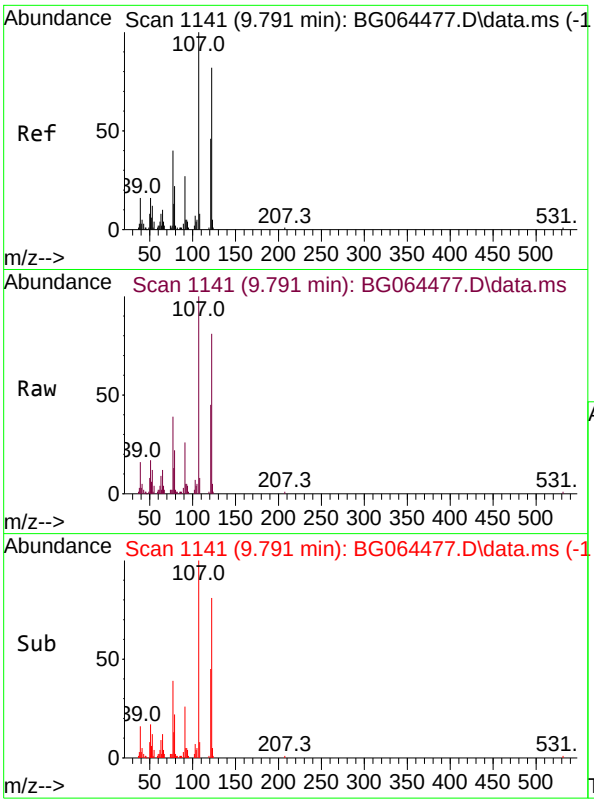


#26
2-Nitrophenol
Concen: 41.564 ng
RT: 9.727 min Scan# 1130
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:139 Resp: 28524

Ion	Ratio	Lower	Upper
139	100		
109	53.8	43.0	64.6
65	59.3	47.4	71.2

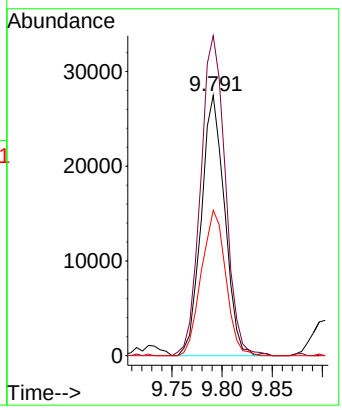




#27
2,4-Dimethylphenol
Concen: 42.353 ng
RT: 9.791 min Scan# 11
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:122 Resp: 4439

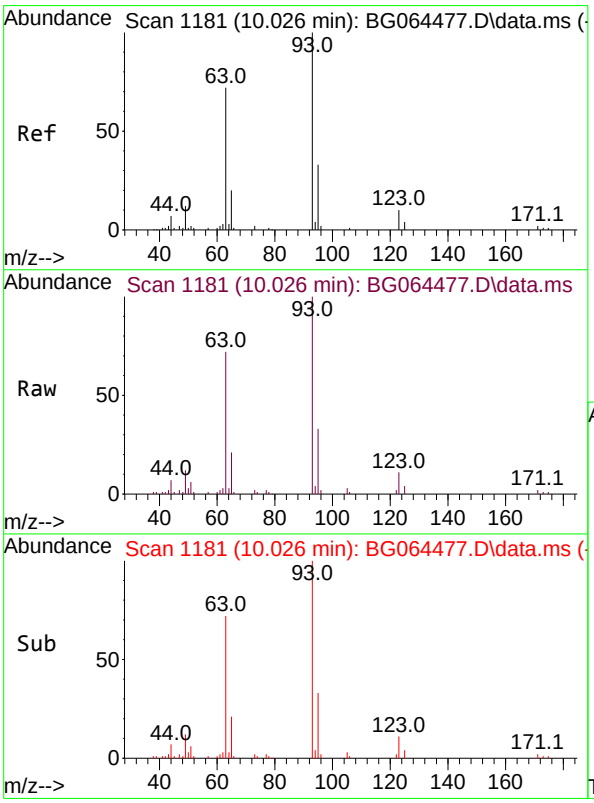
Ion	Ratio	Lower	Upper
122	100		
107	122.9	98.3	147.5
121	55.9	44.7	67.1



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

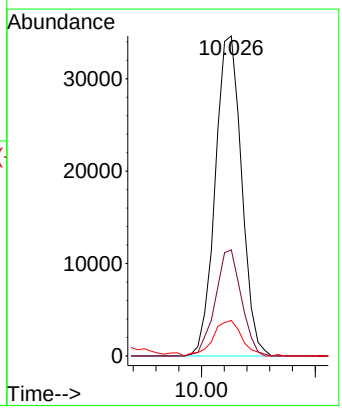
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

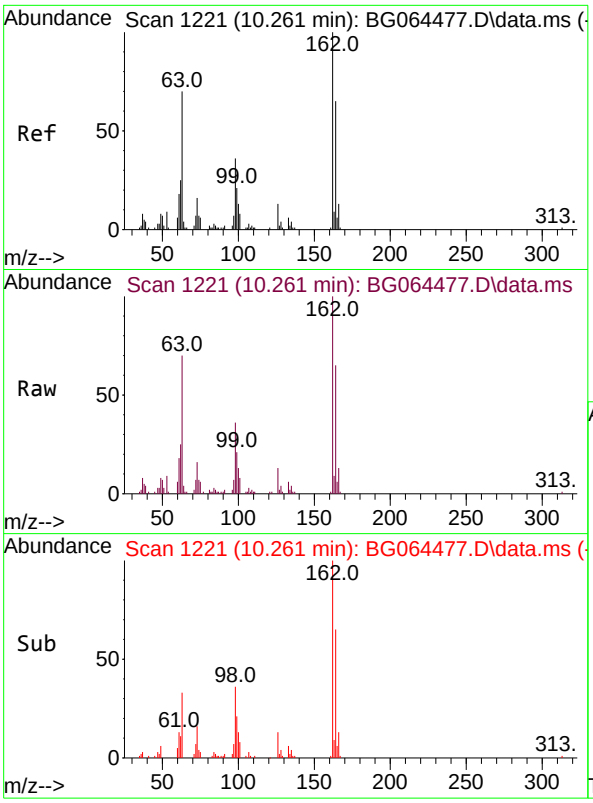


#28
bis(2-Chloroethoxy)methane
Concen: 43.620 ng
RT: 10.026 min Scan# 1181
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 93 Resp: 55697

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.5	39.7
123	11.1	8.9	13.3

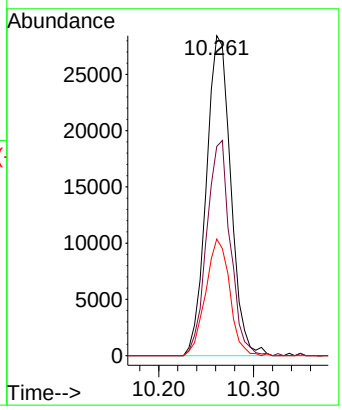




#29
2,4-Dichlorophenol
Concen: 42.046 ng
RT: 10.261 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:162 Resp: 5096

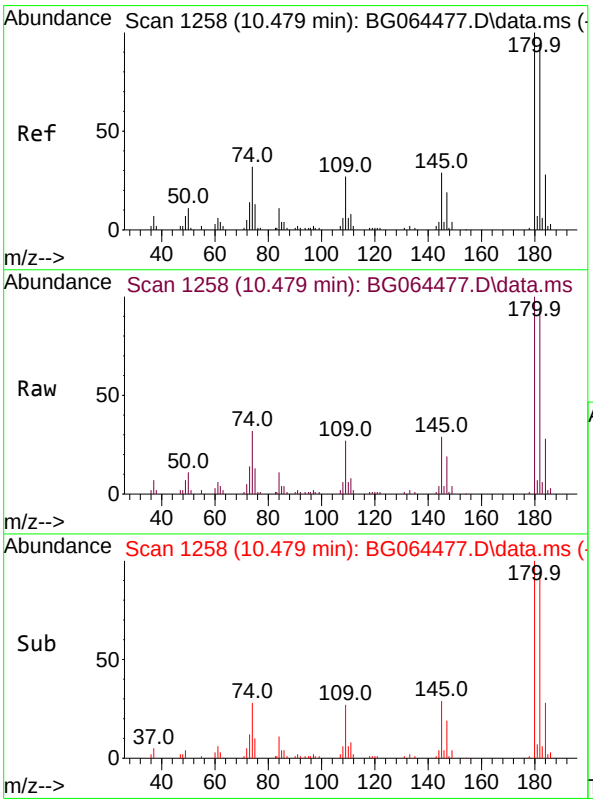
Ion	Ratio	Lower	Upper
162	100		
164	65.4	45.4	85.4
98	36.4	16.4	56.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

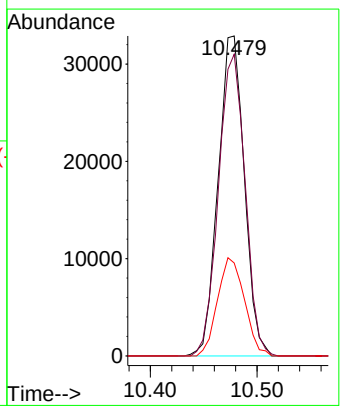
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

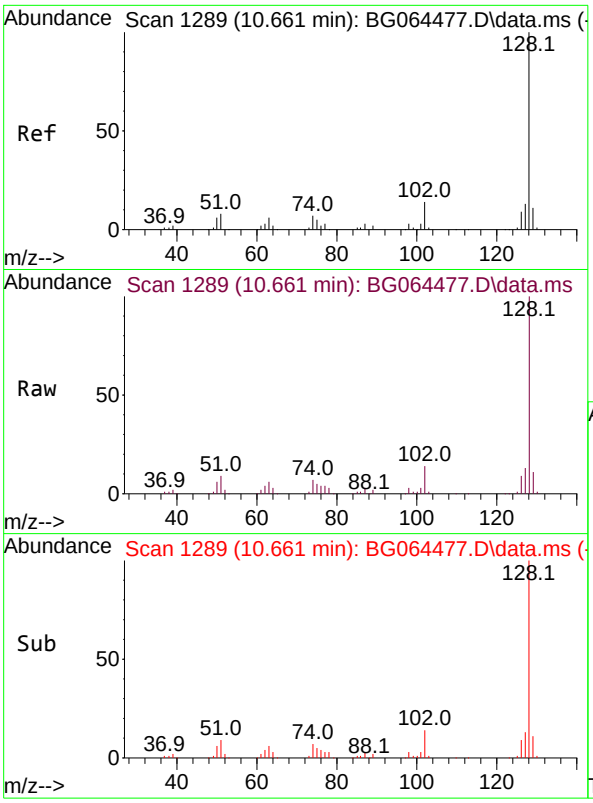


#30
1,2,4-Trichlorobenzene
Concen: 42.432 ng
RT: 10.479 min Scan# 1258
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:180 Resp: 56079

Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.4	113.2
145	29.0	23.2	34.8

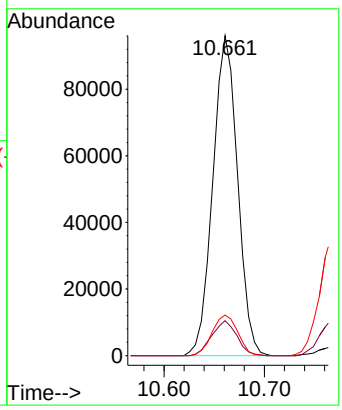




#31
Naphthalene
Concen: 43.002 ng
RT: 10.661 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:128 Resp: 16463

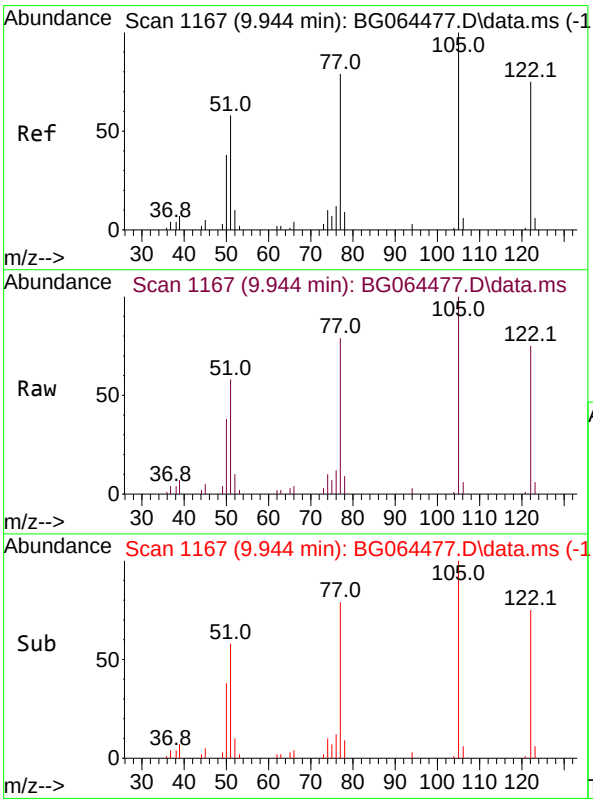
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	12.7	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

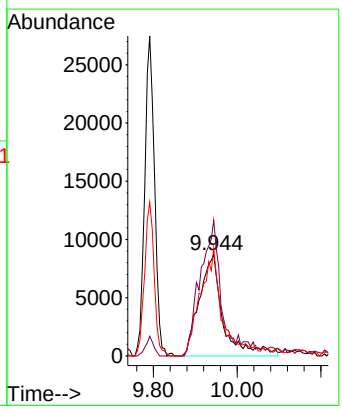
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

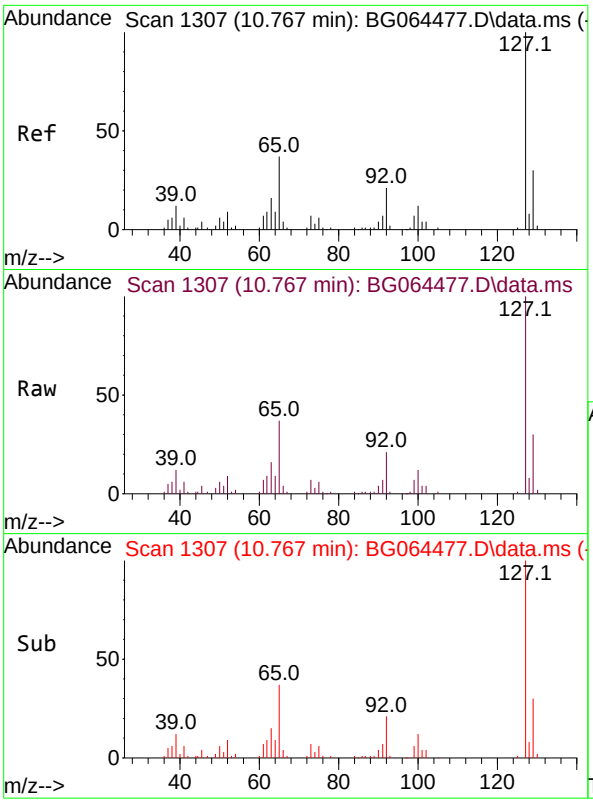


#32
Benzoic acid
Concen: 42.319 ng m
RT: 9.944 min Scan# 1167
Delta R.T. 0.055 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:122 Resp: 34057

Ion	Ratio	Lower	Upper
122	100		
105	133.9	113.9	153.9
77	106.1	86.1	126.1

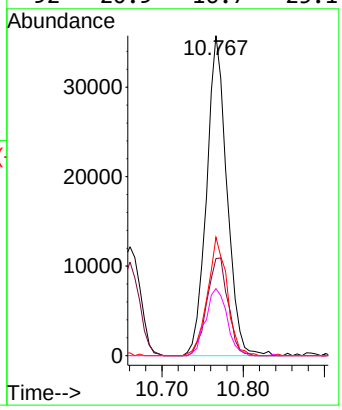




#33
4-Chloroaniline
Concen: 42.224 ng
RT: 10.767 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:127 Resp: 6203

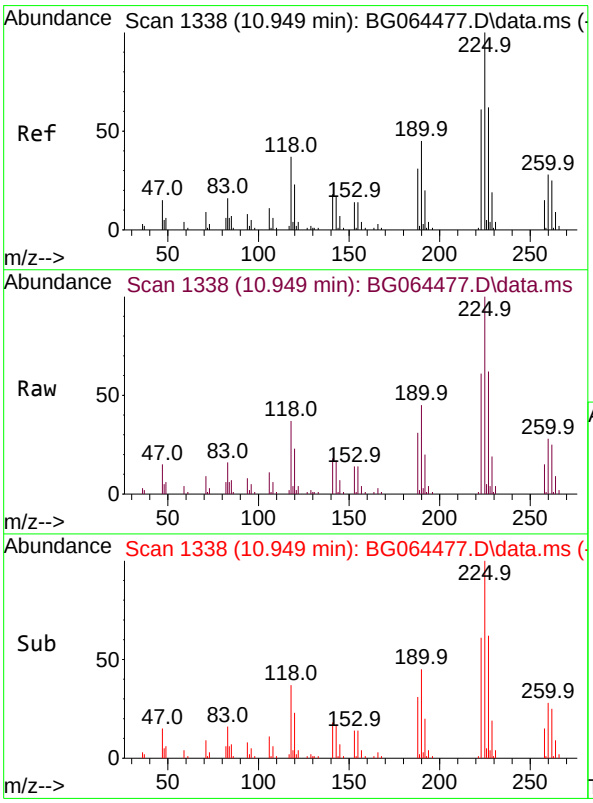
Ion	Ratio	Lower	Upper
127	100		
129	30.3	24.2	36.4
65	37.0	29.6	44.4
92	20.9	16.7	25.1



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

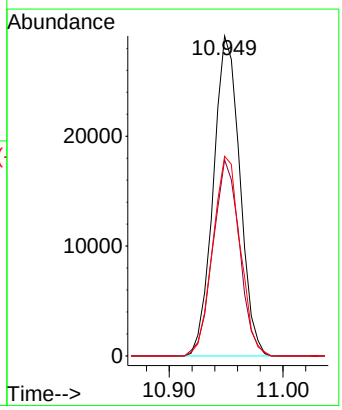
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

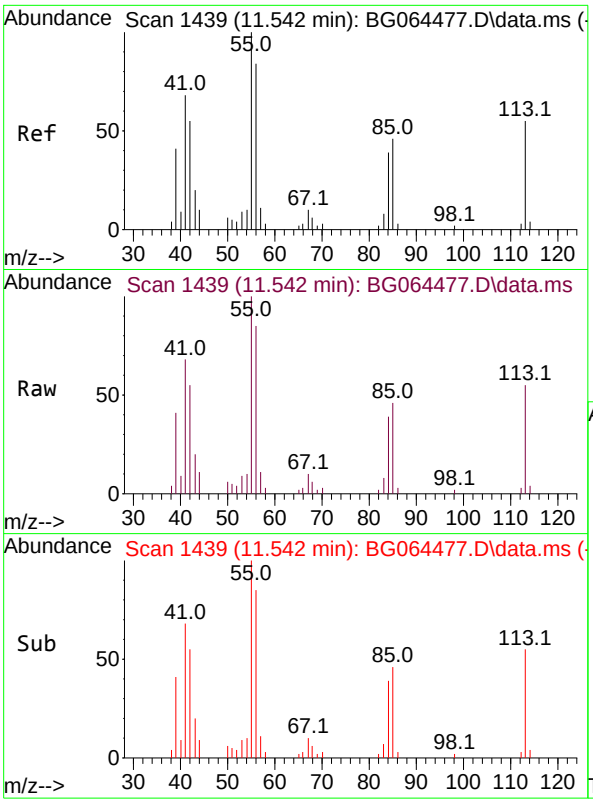


#34
Hexachlorobutadiene
Concen: 41.566 ng
RT: 10.949 min Scan# 1338
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:225 Resp: 47047

Ion	Ratio	Lower	Upper
225	100		
223	61.3	49.0	73.6
227	62.4	49.9	74.9

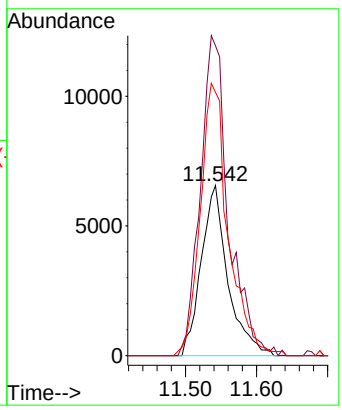




#35
Caprolactam
Concen: 41.118 ng
RT: 11.542 min Scan# 14
Delta R.T. 0.032 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:113 Resp: 1706

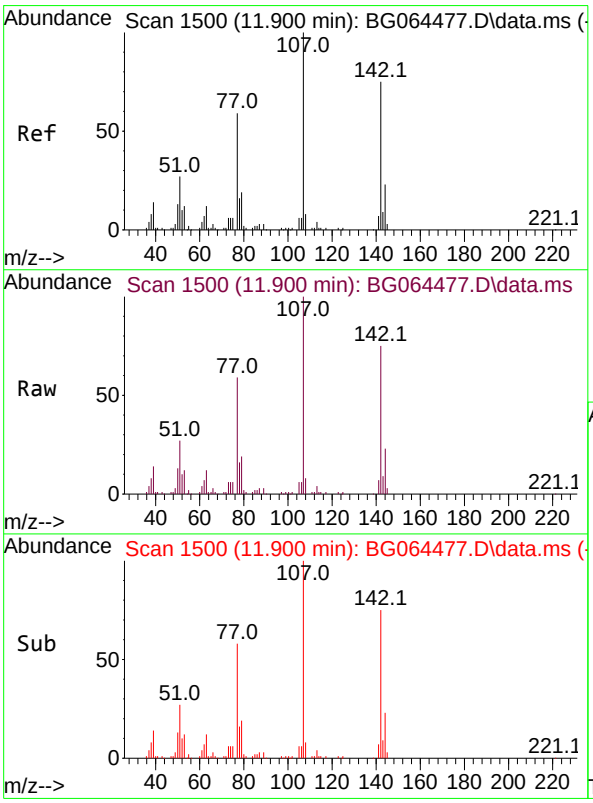
Ion	Ratio	Lower	Upper
113	100		
55	182.0	162.0	202.0
56	154.6	134.6	174.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

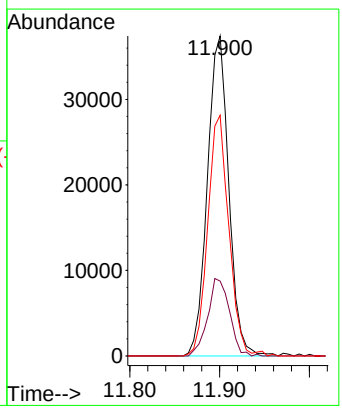
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

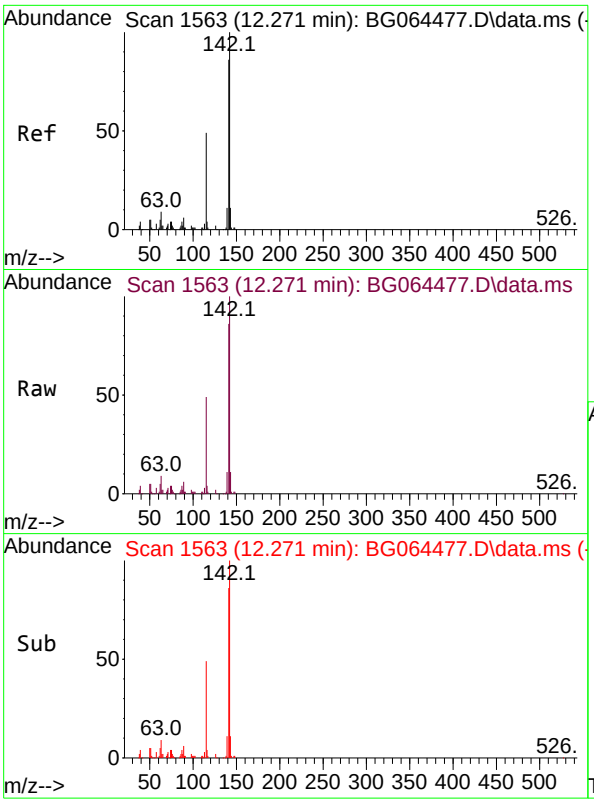


#36
4-Chloro-3-methylphenol
Concen: 42.181 ng
RT: 11.900 min Scan# 1500
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:107 Resp: 62176

Ion	Ratio	Lower	Upper
107	100		
144	23.4	18.7	28.1
142	75.2	60.2	90.2

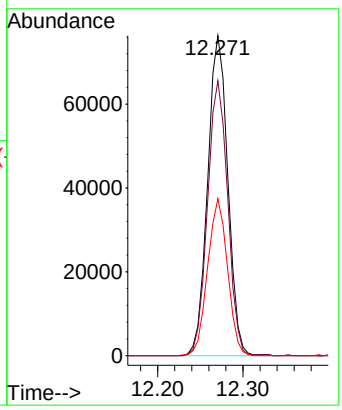




#37
2-Methylnaphthalene
Concen: 42.634 ng
RT: 12.271 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:142 Resp: 12529

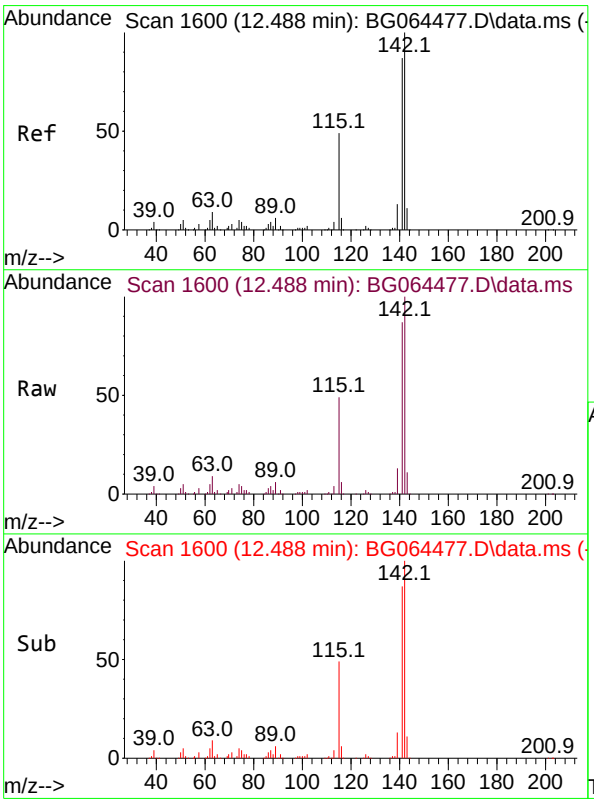
Ion	Ratio	Lower	Upper
142	100		
141	85.9	68.7	103.1
115	49.1	39.3	58.9



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

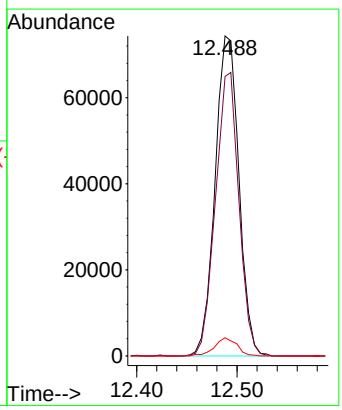
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

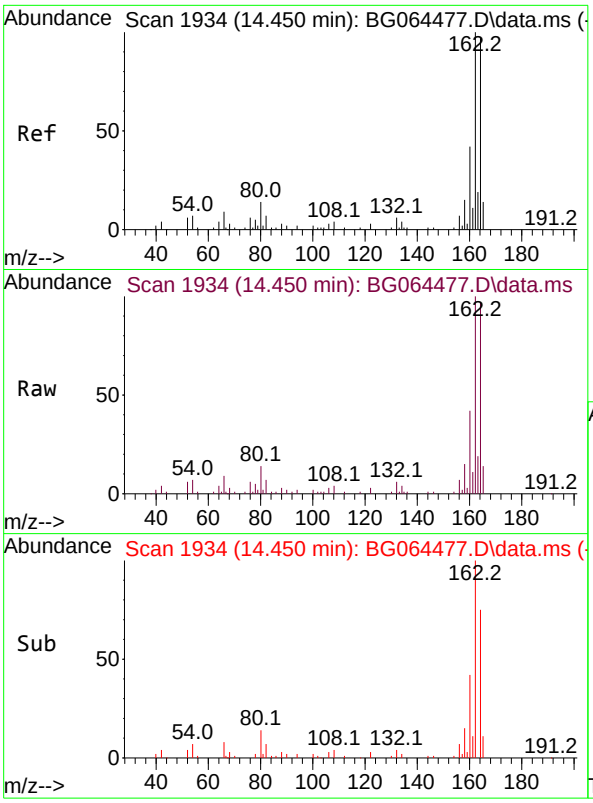


#38
1-Methylnaphthalene
Concen: 41.851 ng
RT: 12.488 min Scan# 1600
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:142 Resp: 122645

Ion	Ratio	Lower	Upper
142	100		
141	87.3	69.8	104.8
116	6.0	4.6	6.8

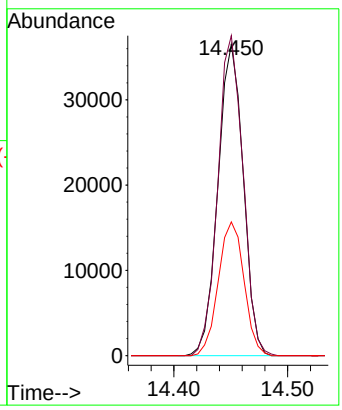




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.450 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:164 Resp: 5640

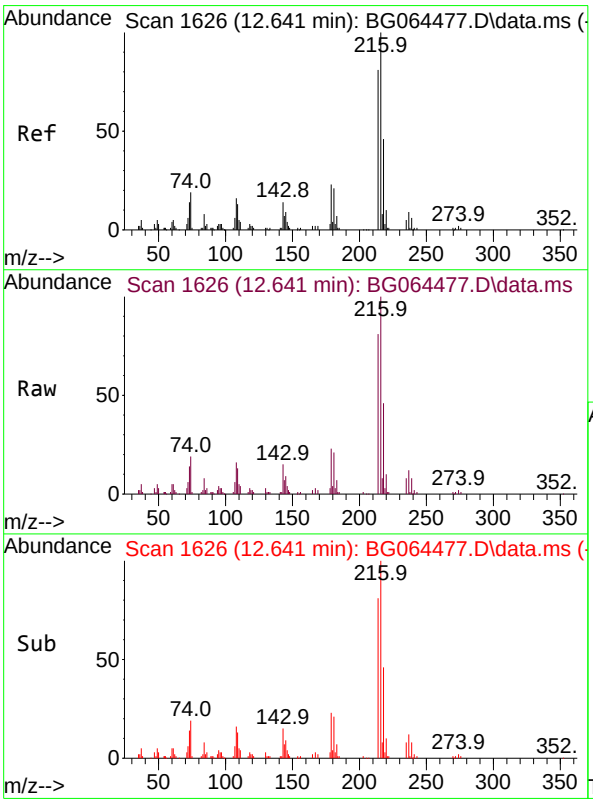
Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.2	123.2
160	42.9	34.3	51.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

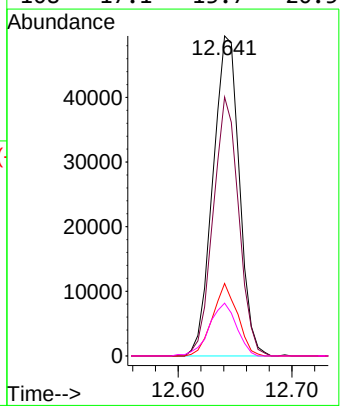
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

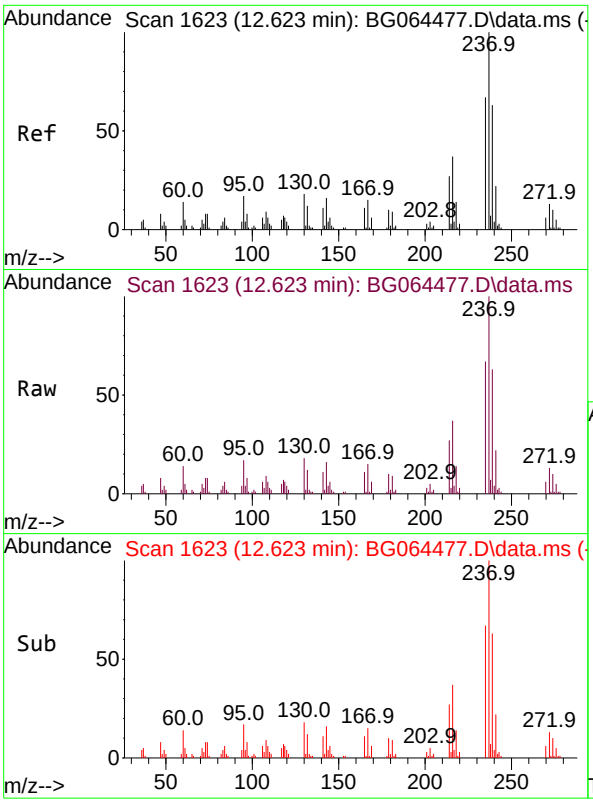


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.852 ng
RT: 12.641 min Scan# 1626
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:216 Resp: 79864

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.5	93.7
179	21.3	17.0	25.6
108	17.1	13.7	20.5

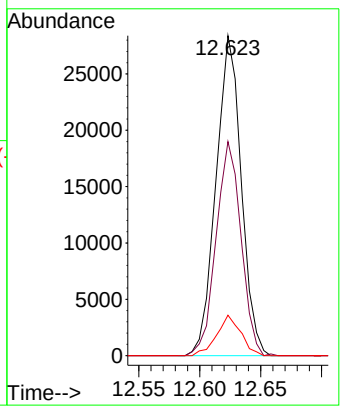




#41
Hexachlorocyclopentadiene
Concen: 42.981 ng
RT: 12.623 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:237 Resp: 4094

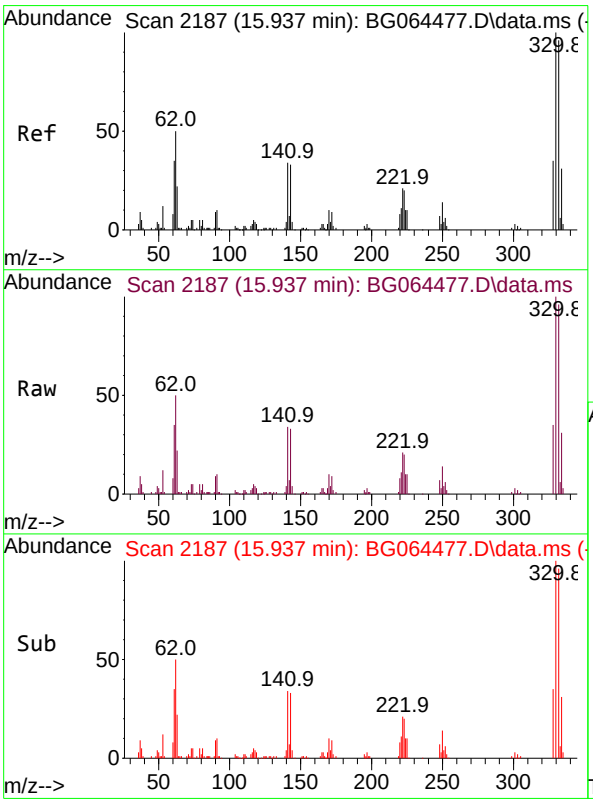
Ion	Ratio	Lower	Upper
237	100		
235	66.9	46.9	86.9
272	12.6	0.0	32.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

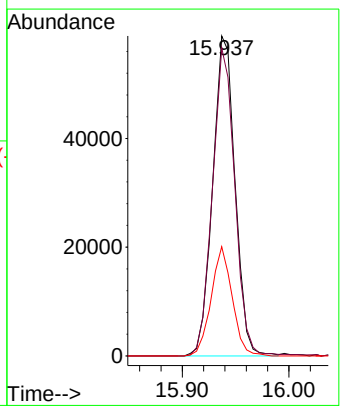
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

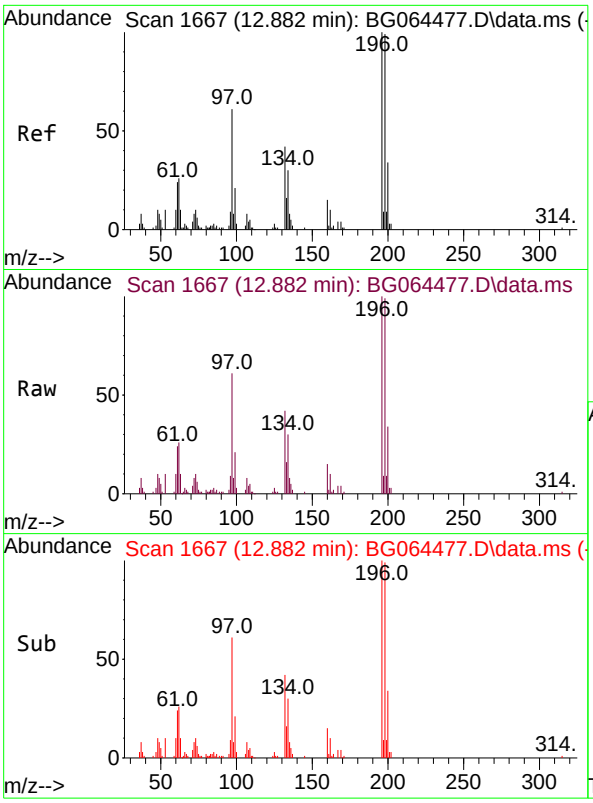


#42
2,4,6-Tribromophenol
Concen: 83.995 ng
RT: 15.937 min Scan# 2187
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:330 Resp: 85878

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.0
141	32.2	25.8	38.6

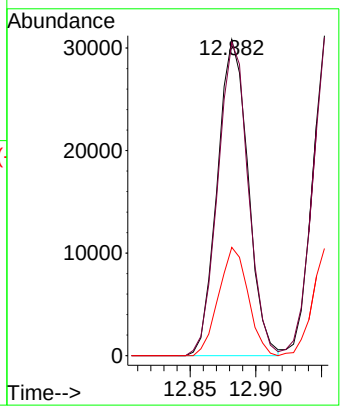




#43
2,4,6-Trichlorophenol
Concen: 43.159 ng
RT: 12.882 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:196 Resp: 5024

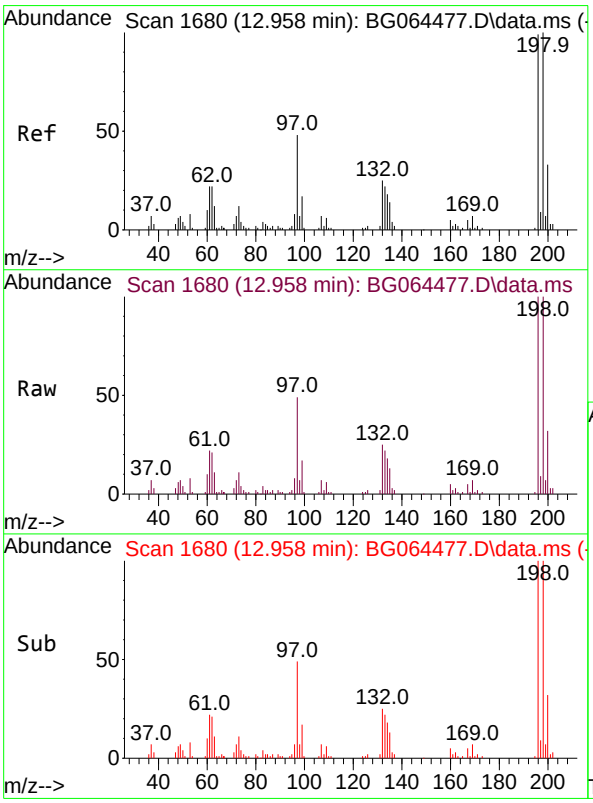
Ion	Ratio	Lower	Upper
196	100		
198	99.1	79.3	118.9
200	34.3	27.4	41.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

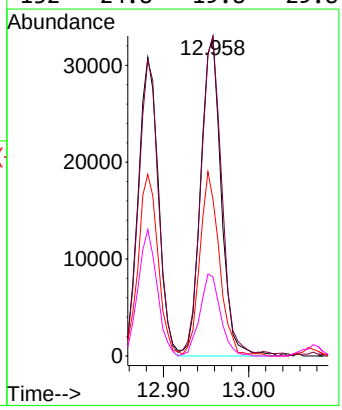
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

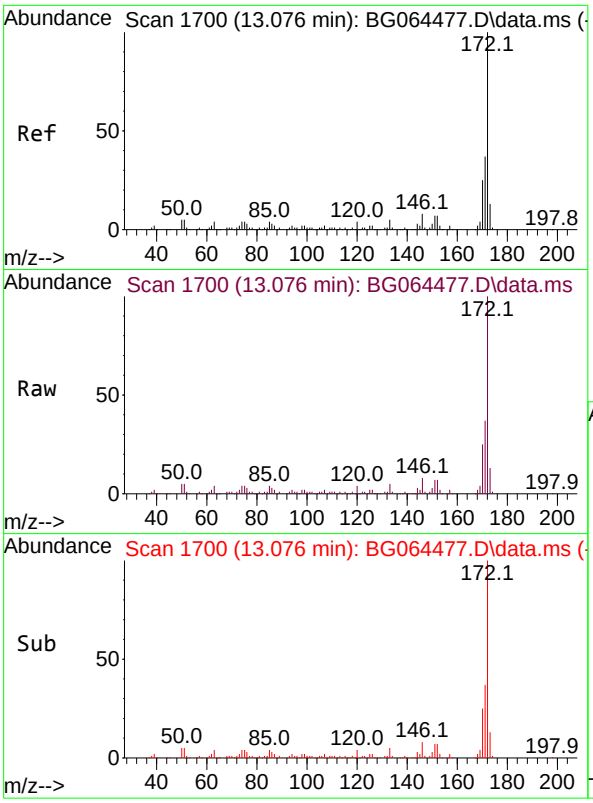


#44
2,4,5-Trichlorophenol
Concen: 42.147 ng
RT: 12.958 min Scan# 1680
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:196 Resp: 54781

Ion	Ratio	Lower	Upper
196	100		
198	100.4	80.3	120.5
97	49.2	39.4	59.0
132	24.8	19.8	29.8

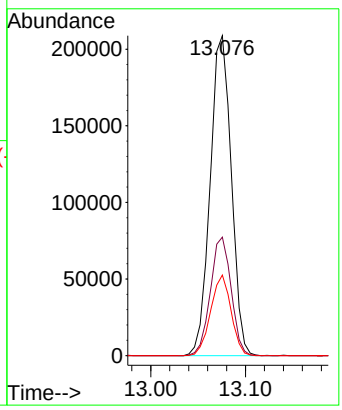




#45
2-Fluorobiphenyl
Concen: 84.566 ng
RT: 13.076 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:172 Resp: 32360

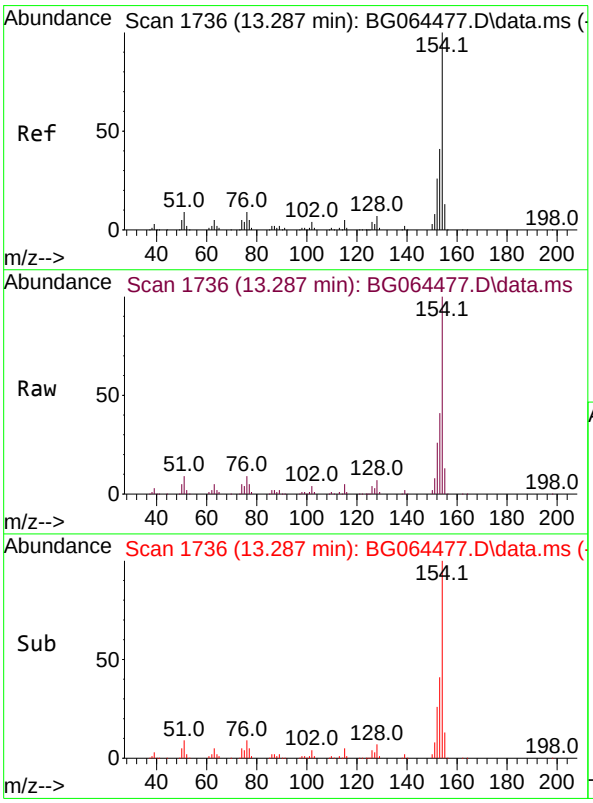
Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.6	44.4
170	25.2	20.2	30.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

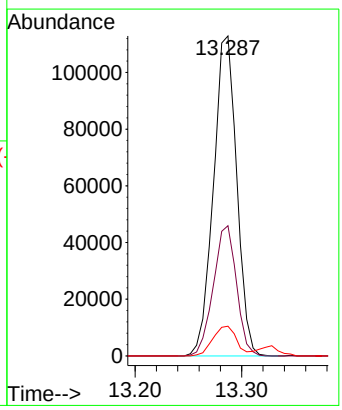
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

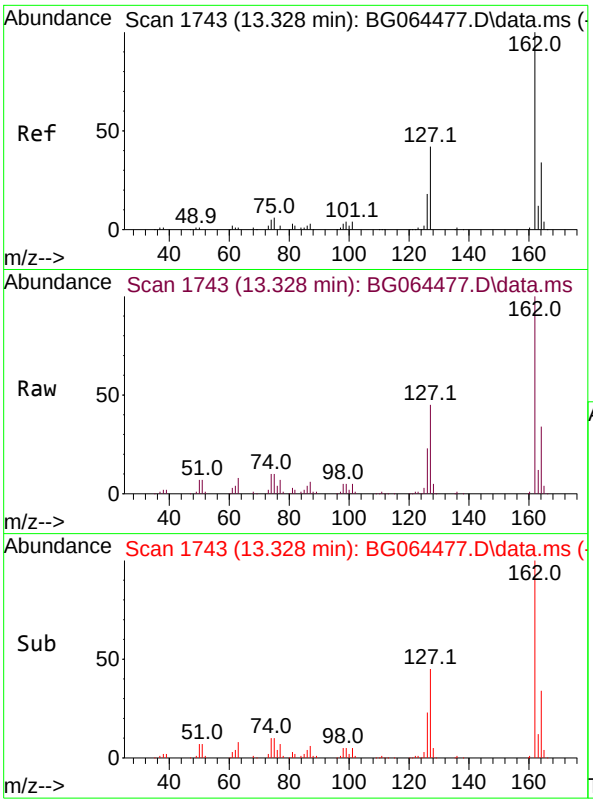


#46
1,1'-Biphenyl
Concen: 42.286 ng
RT: 13.287 min Scan# 1736
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:154 Resp: 171549

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.7	60.7
76	9.3	0.0	29.3

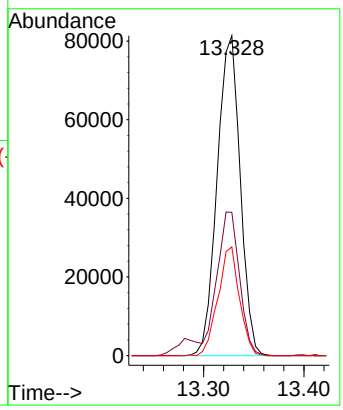




#47
2-Chloronaphthalene
Concen: 42.951 ng
RT: 13.328 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:162 Resp: 13009

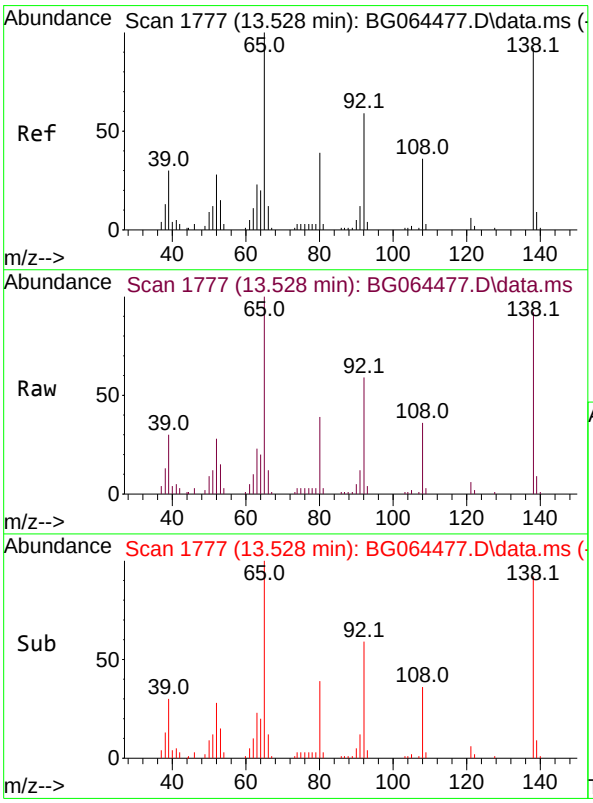
Ion	Ratio	Lower	Upper
162	100		
127	44.8	35.8	53.8
164	34.0	27.2	40.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

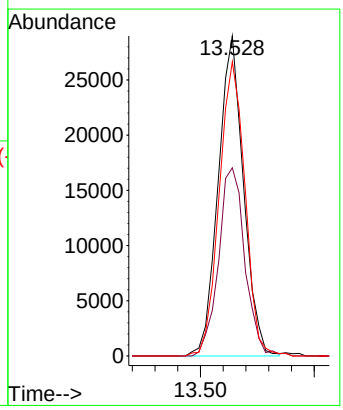
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

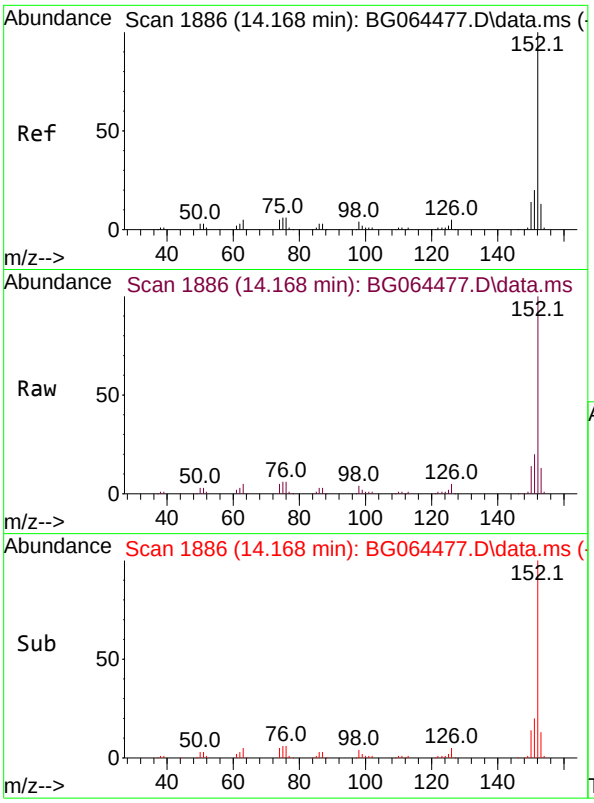


#48
2-Nitroaniline
Concen: 43.302 ng
RT: 13.528 min Scan# 1777
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 65 Resp: 44764

Ion	Ratio	Lower	Upper
65	100		
92	58.8	47.0	70.6
138	91.9	73.5	110.3

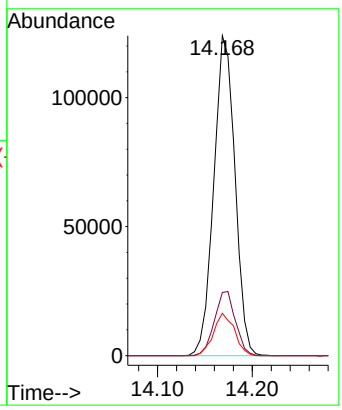




#49
Acenaphthylene
Concen: 42.745 ng
RT: 14.168 min Scan# 18
Delta R.T. -0.003 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:152 Resp: 19219

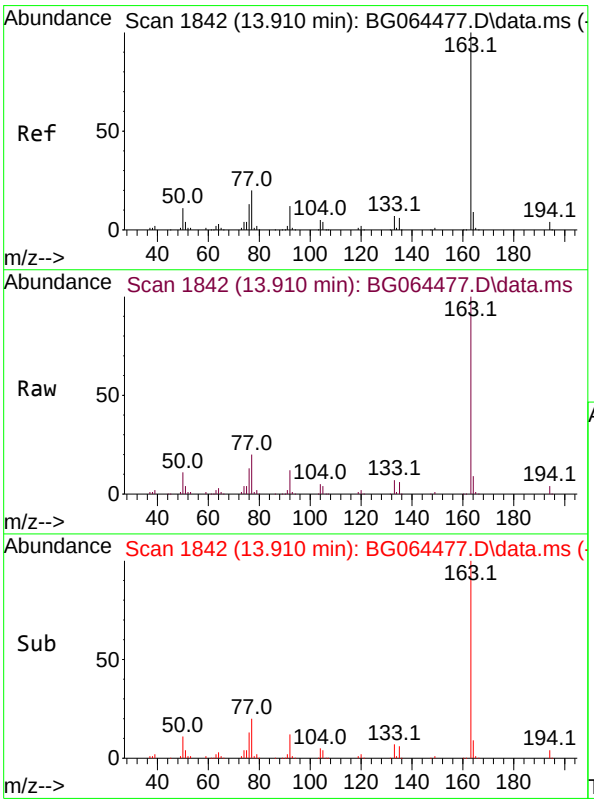
Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.2	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

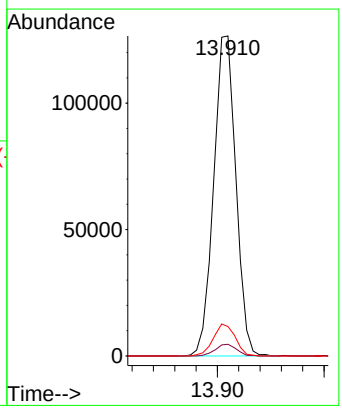
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

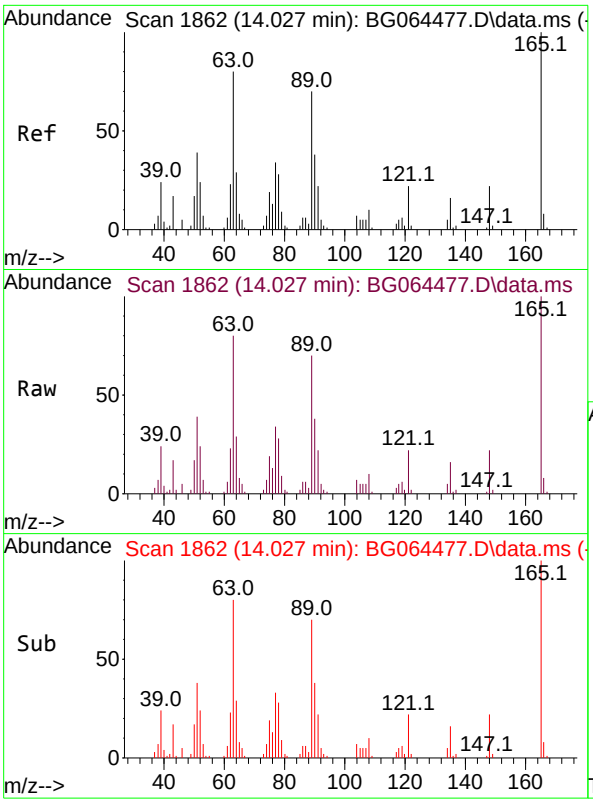


#50
Dimethylphthalate
Concen: 41.482 ng
RT: 13.910 min Scan# 1842
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:163 Resp: 183253

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.9	4.3
164	9.2	7.4	11.0





#51
2,6-Dinitrotoluene
Concen: 41.318 ng
RT: 14.027 min Scan# 18
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

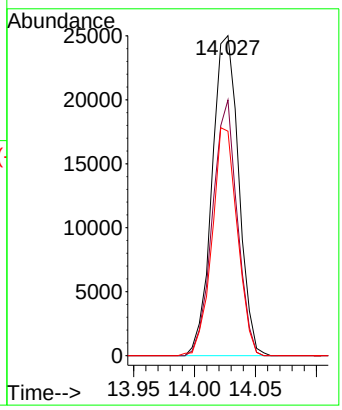
Tgt Ion:165 Resp: 3802

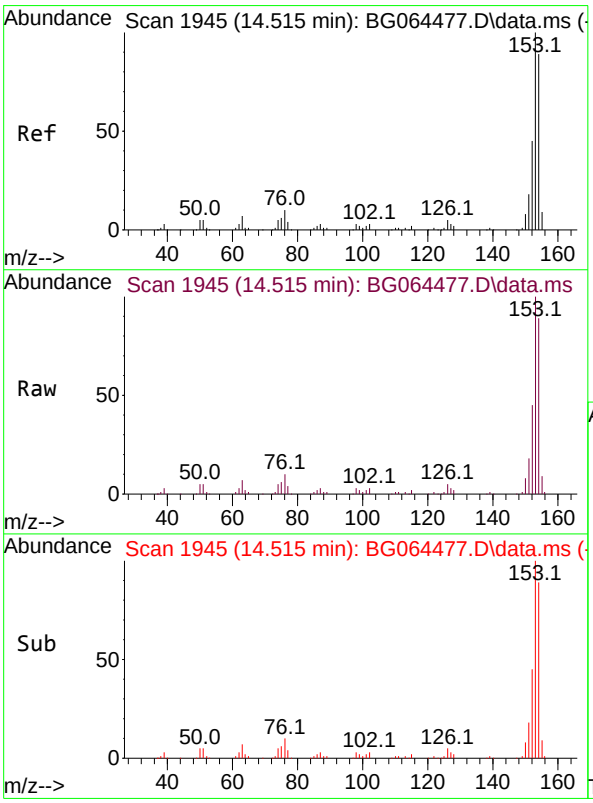
Ion	Ratio	Lower	Upper
165	100		
63	79.9	63.9	95.9
89	70.1	56.1	84.1

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

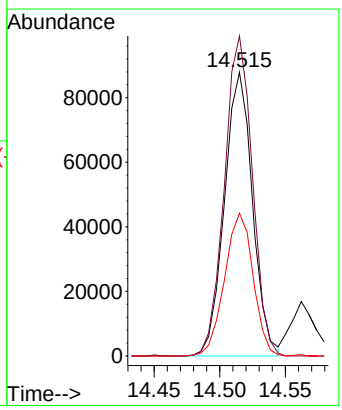


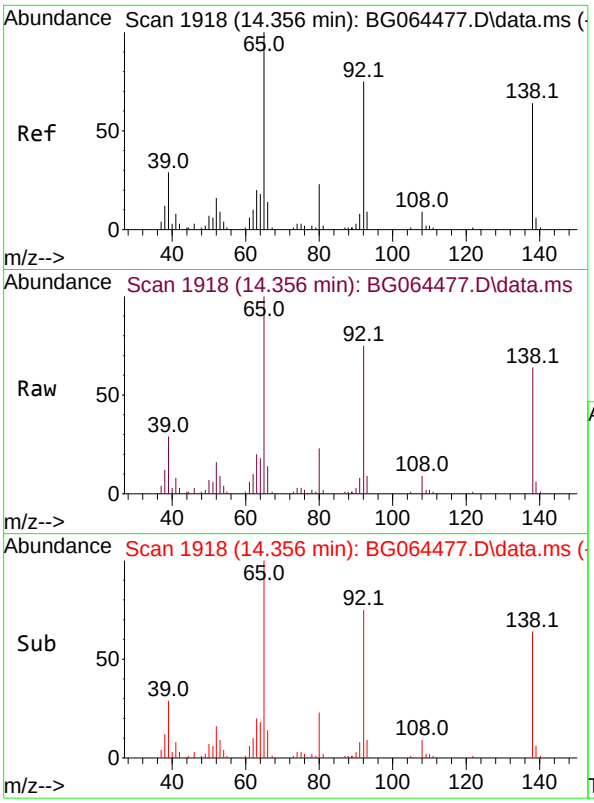


#52
Acenaphthene
Concen: 41.846 ng
RT: 14.515 min Scan# 1945
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:154 Resp: 130718

Ion	Ratio	Lower	Upper
154	100		
153	112.8	90.2	135.4
152	50.3	40.2	60.4

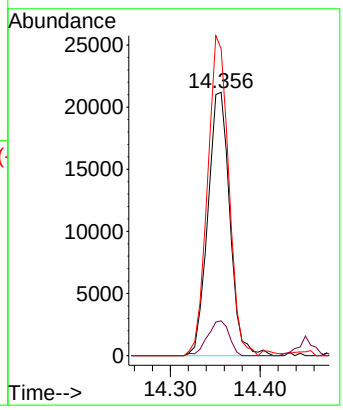




#53
3-Nitroaniline
Concen: 42.448 ng
RT: 14.356 min Scan# 19
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:138 Resp: 3602

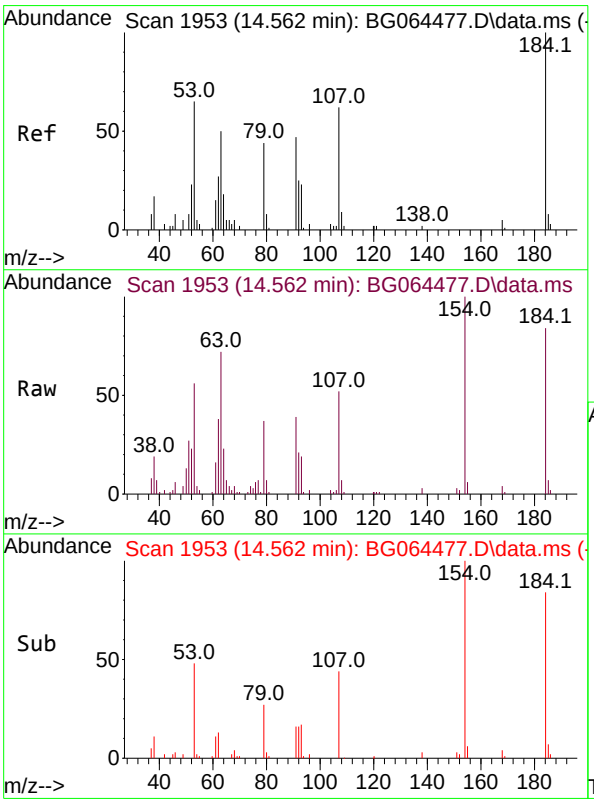
Ion	Ratio	Lower	Upper
138	100		
108	13.2	10.6	15.8
92	116.5	93.2	139.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

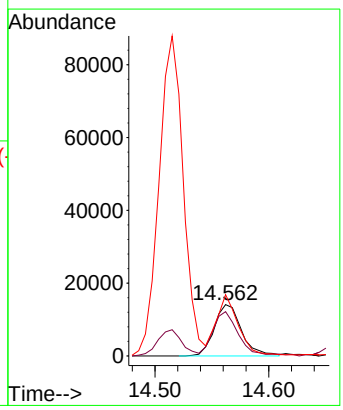
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

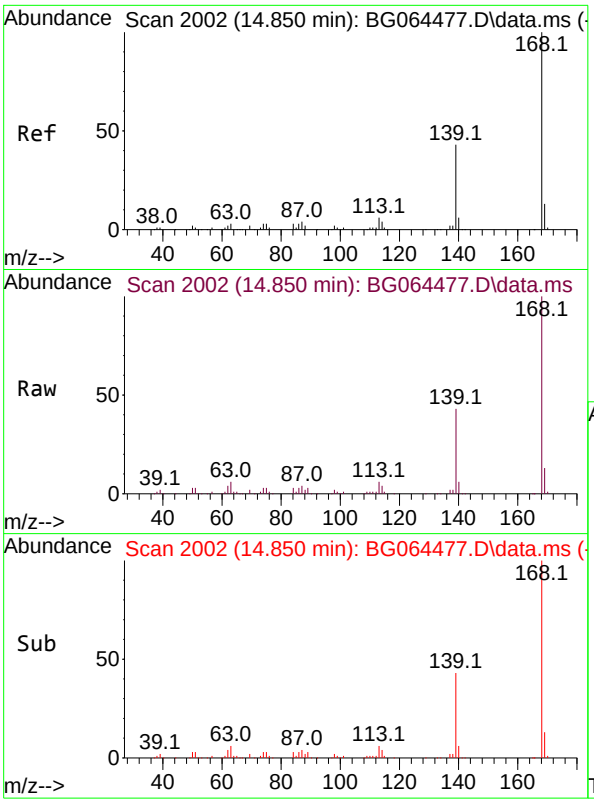


#54
2,4-Dinitrophenol
Concen: 35.006 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.003 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:184 Resp: 23359

Ion	Ratio	Lower	Upper
184	100		
63	86.2	69.0	103.4
154	119.5	95.6	143.4

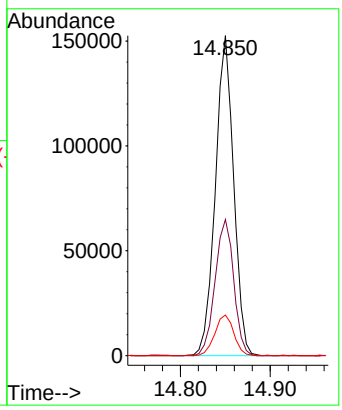




#55
Dibenzofuran
Concen: 41.749 ng
RT: 14.850 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:168 Resp: 21533

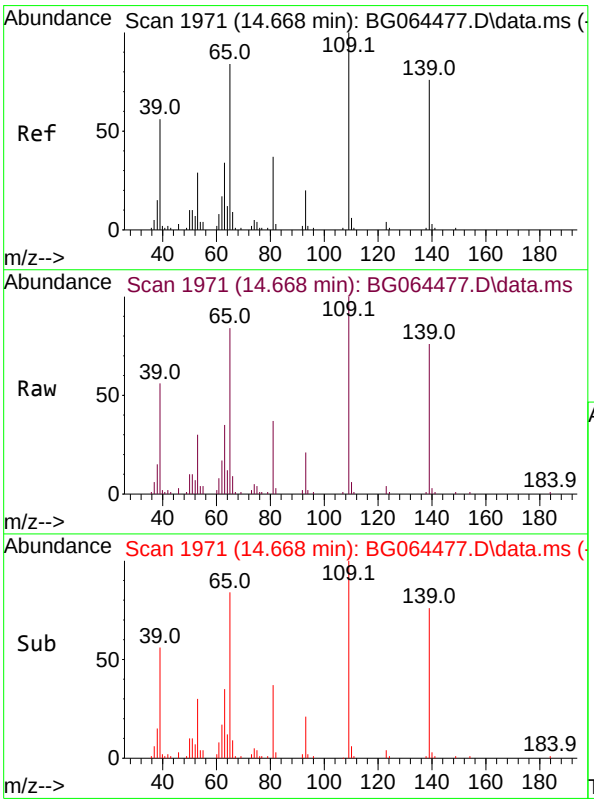
Ion	Ratio	Lower	Upper
168	100		
139	42.5	34.0	51.0
169	12.7	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

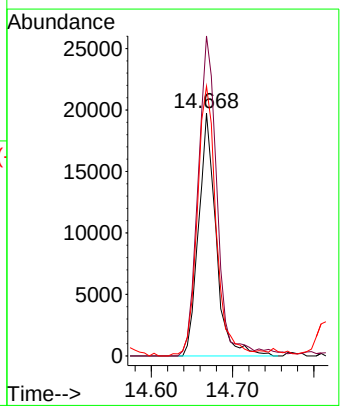
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

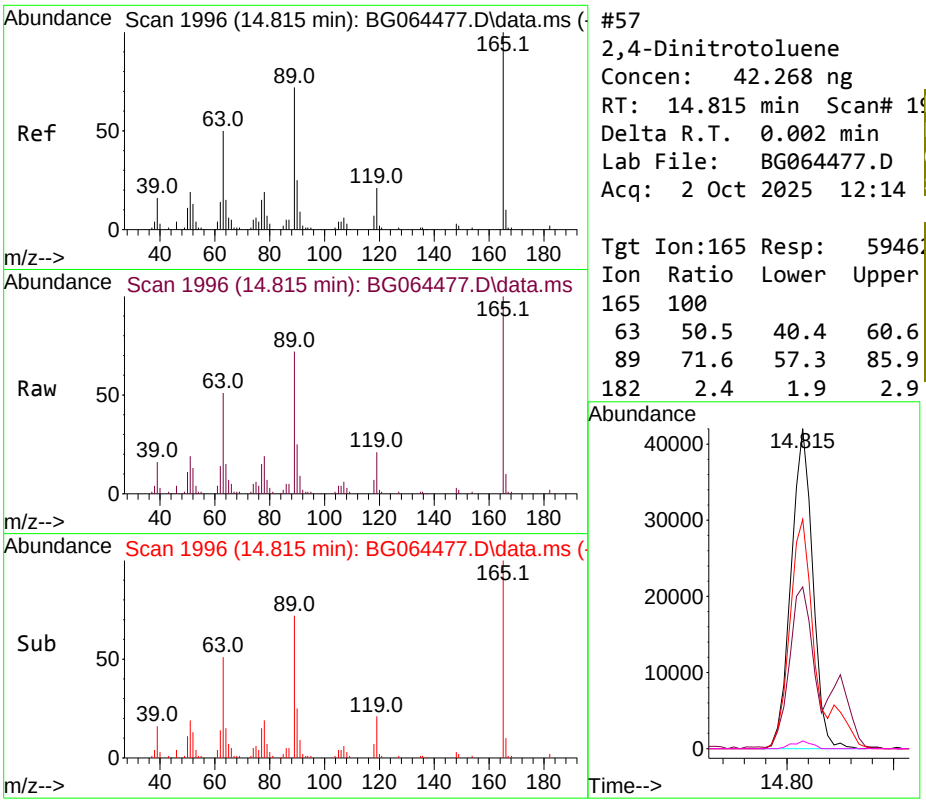


#56
4-Nitrophenol
Concen: 43.974 ng
RT: 14.668 min Scan# 1971
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:139 Resp: 29383

Ion	Ratio	Lower	Upper
139	100		
109	131.8	111.8	151.8
65	111.1	91.1	131.1





#57
2,4-Dinitrotoluene
Concen: 42.268 ng
RT: 14.815 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

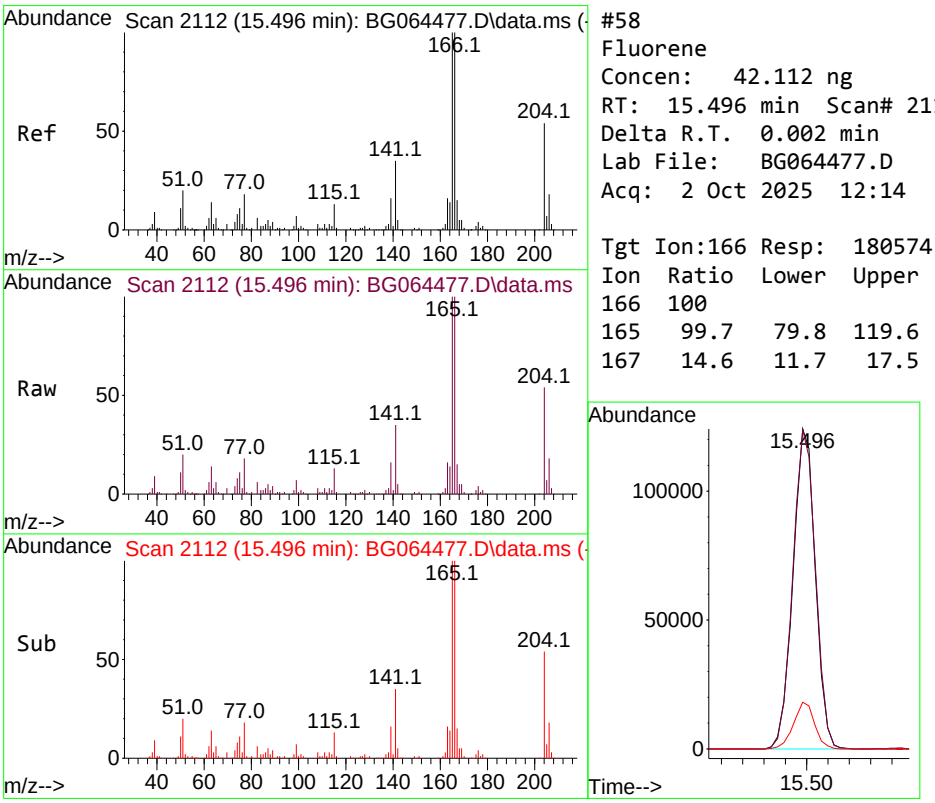
Tgt Ion:165 Resp: 5946

Ion	Ratio	Lower	Upper
165	100		
63	50.5	40.4	60.6
89	71.6	57.3	85.9
182	2.4	1.9	2.9

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

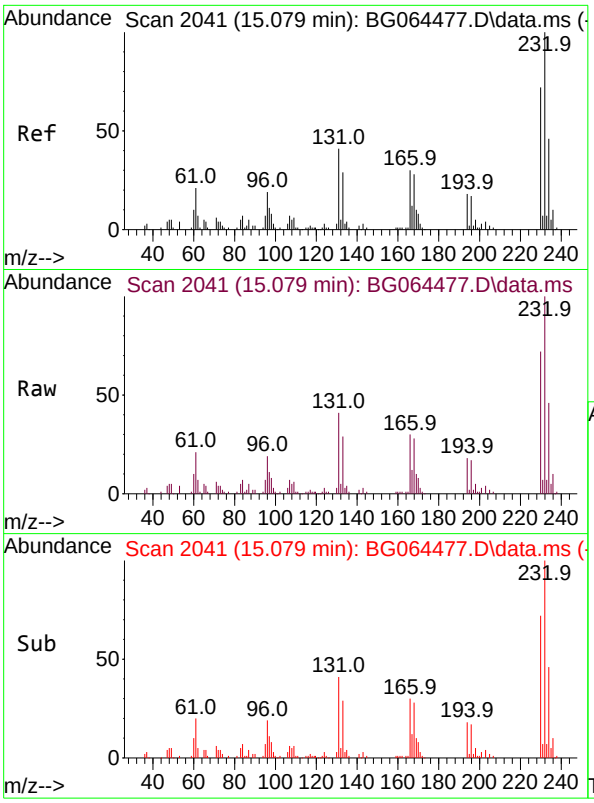
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#58
Fluorene
Concen: 42.112 ng
RT: 15.496 min Scan# 2112
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:166 Resp: 180574

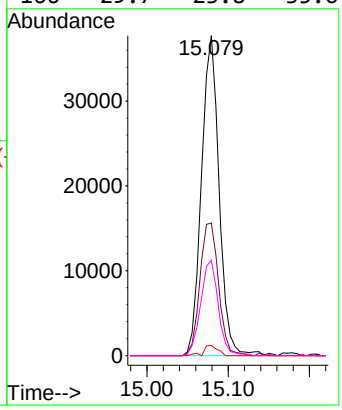
Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.8	119.6
167	14.6	11.7	17.5



#59
2,3,4,6-Tetrachlorophenol
Concen: 42.971 ng
RT: 15.079 min Scan# 20
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:232 Resp: 5700

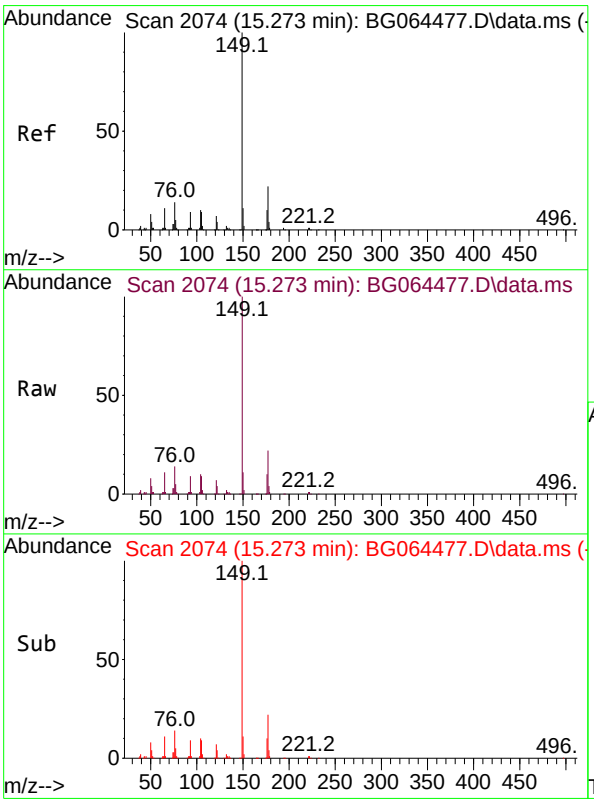
Ion	Ratio	Lower	Upper
232	100		
131	43.7	35.0	52.4
130	2.5	2.0	3.0
166	29.7	23.8	35.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

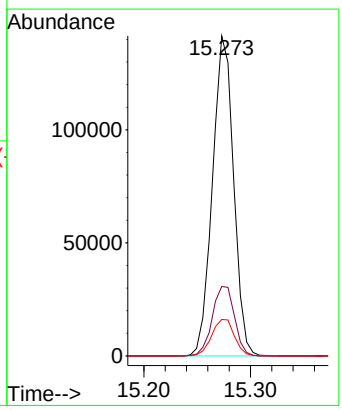
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

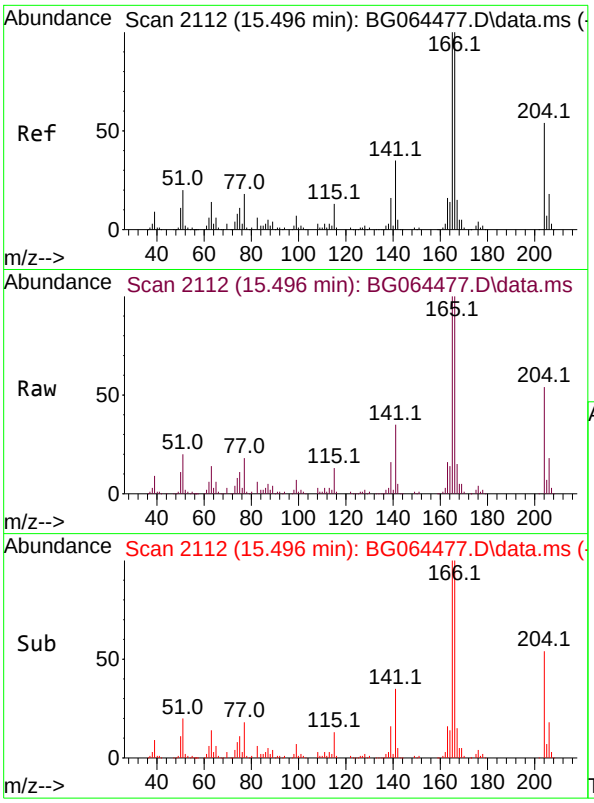


#60
Diethylphthalate
Concen: 41.179 ng
RT: 15.273 min Scan# 2074
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:149 Resp: 195149

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.4	26.0
150	11.4	9.1	13.7

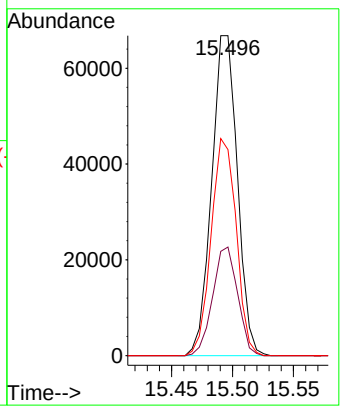




#61
4-Chlorophenyl-phenylether
Concen: 41.818 ng
RT: 15.496 min Scan# 21
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:204 Resp: 9789

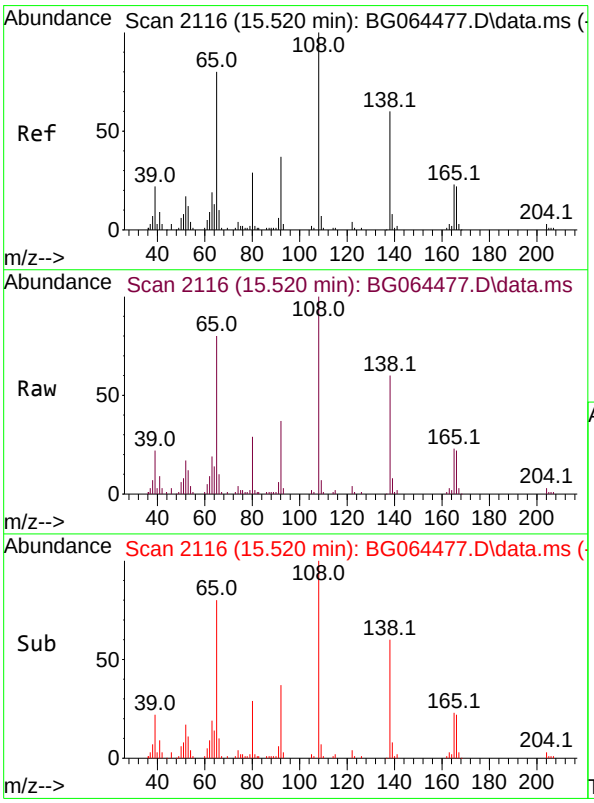
Ion	Ratio	Lower	Upper
204	100		
206	33.9	27.1	40.7
141	64.4	51.5	77.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

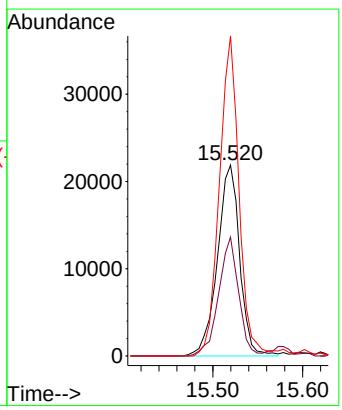
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

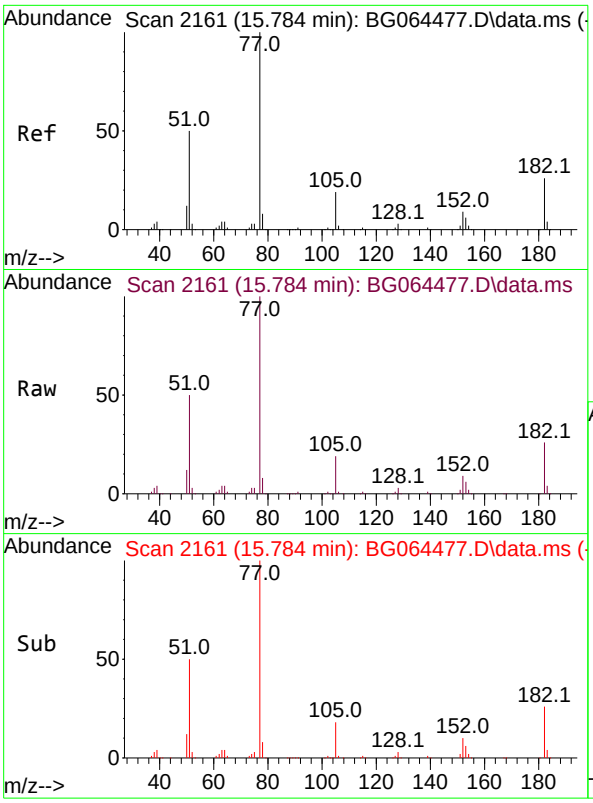


#62
4-Nitroaniline
Concen: 42.613 ng
RT: 15.520 min Scan# 2116
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:138 Resp: 37694

Ion	Ratio	Lower	Upper
138	100		
92	62.3	42.3	82.3
108	167.7	147.7	187.7

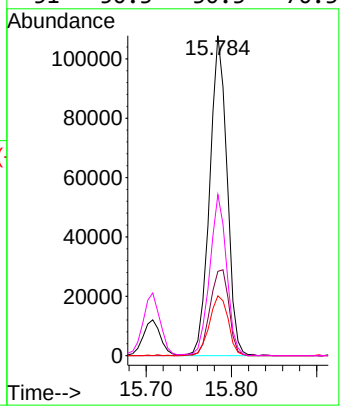




#63
Azobenzene
Concen: 41.381 ng
RT: 15.784 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 77 Resp: 151875

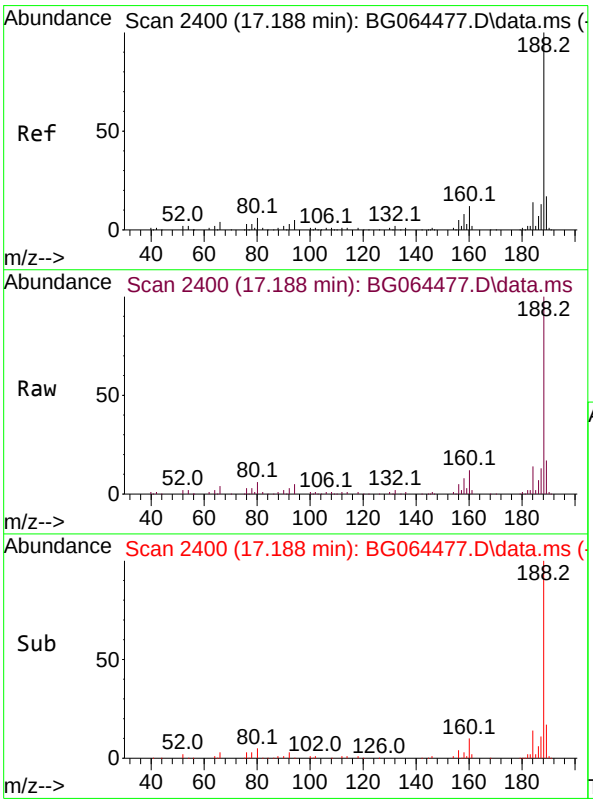
Ion	Ratio	Lower	Upper
77	100		
182	26.3	6.3	46.3
105	18.7	0.0	38.7
51	50.3	30.3	70.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

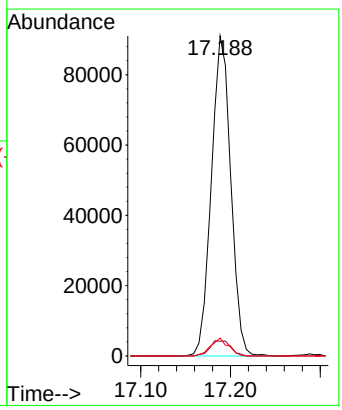
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

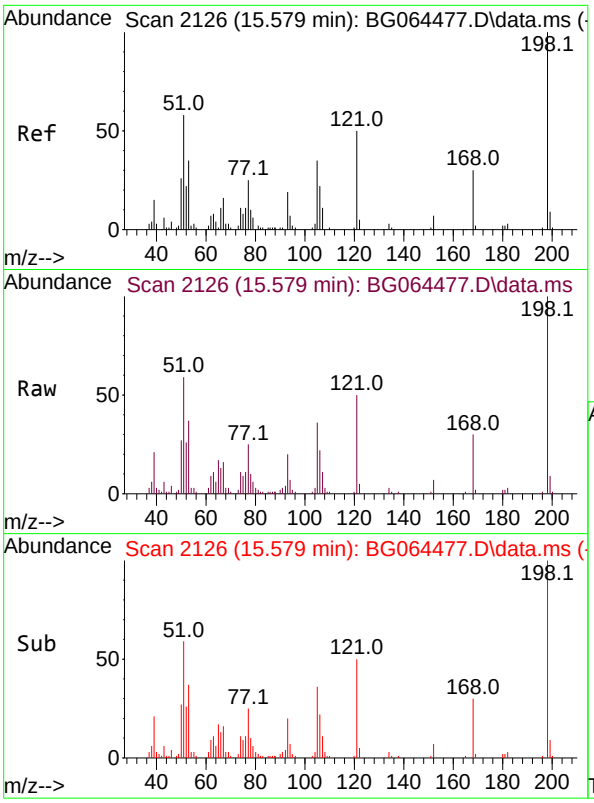


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.188 min Scan# 2400
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:188 Resp: 137065

Ion	Ratio	Lower	Upper
188	100		
94	4.6	3.7	5.5
80	5.6	4.5	6.7

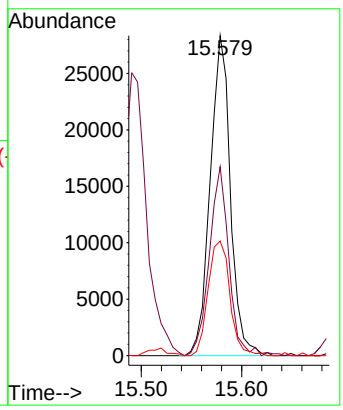




#65
4,6-Dinitro-2-methylphenol
Concen: 41.634 ng
RT: 15.579 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:198 Resp: 3973

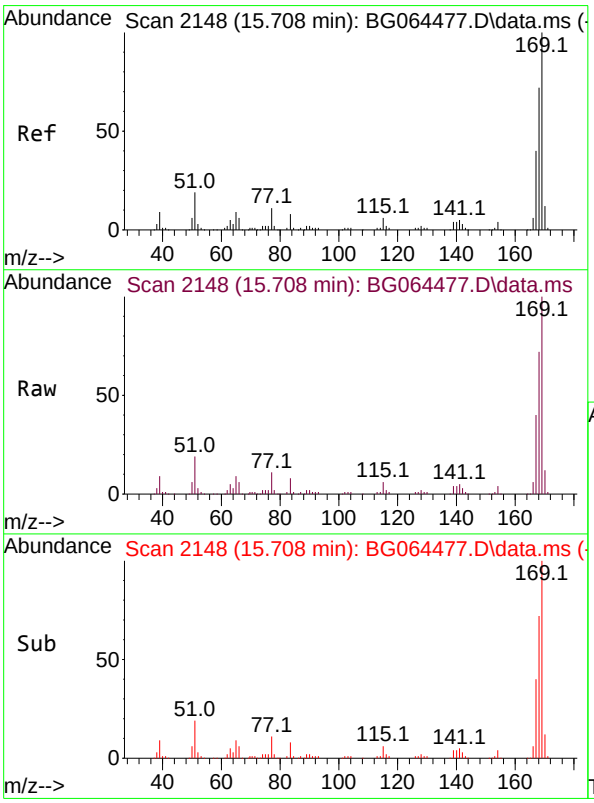
Ion	Ratio	Lower	Upper
198	100		
51	59.0	39.0	79.0
105	35.8	15.8	55.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

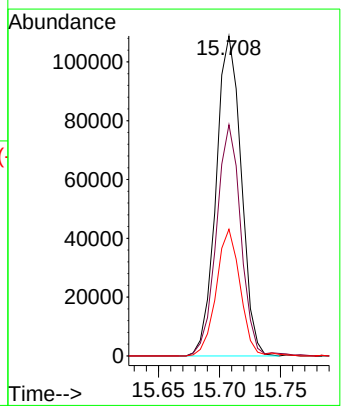
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

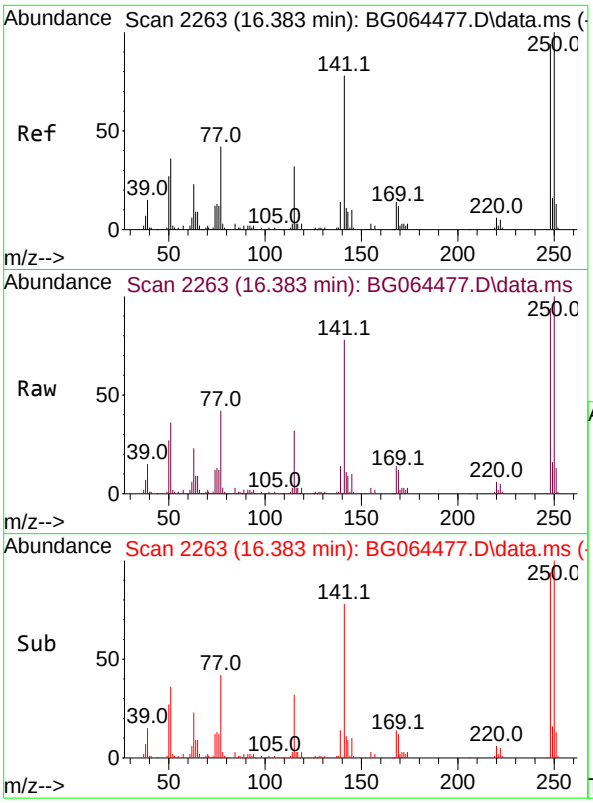


#66
n-Nitrosodiphenylamine
Concen: 42.580 ng
RT: 15.708 min Scan# 2148
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:169 Resp: 155849

Ion	Ratio	Lower	Upper
169	100		
168	72.2	57.8	86.6
167	39.6	31.7	47.5

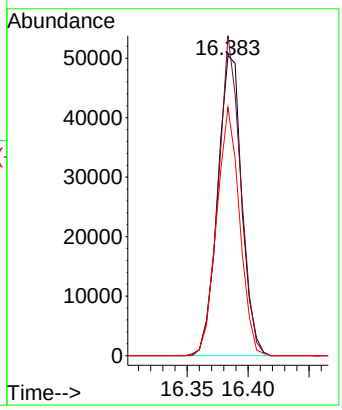




#67
4-Bromophenyl-phenylether
Concen: 43.066 ng
RT: 16.383 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:248 Resp: 6946

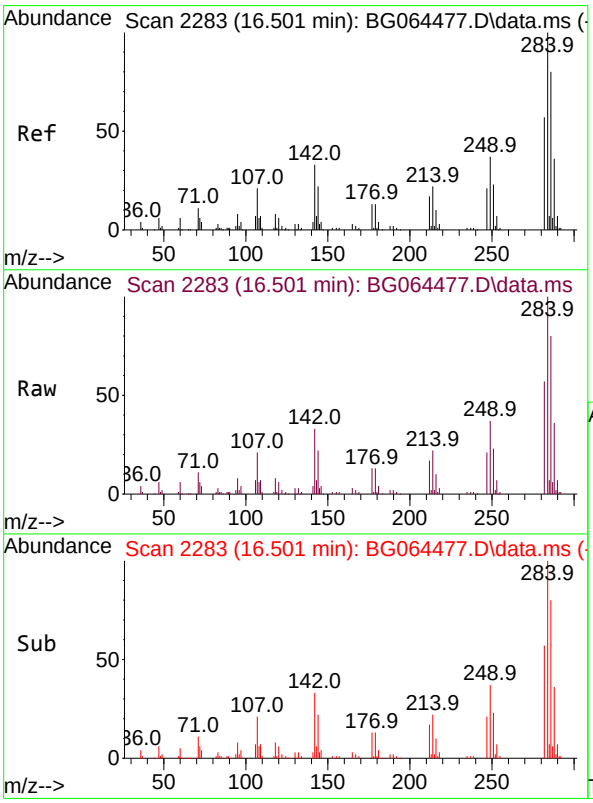
Ion	Ratio	Lower	Upper
248	100		
250	106.6	85.3	127.9
141	82.7	66.2	99.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

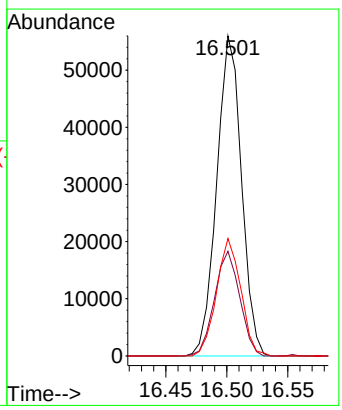
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

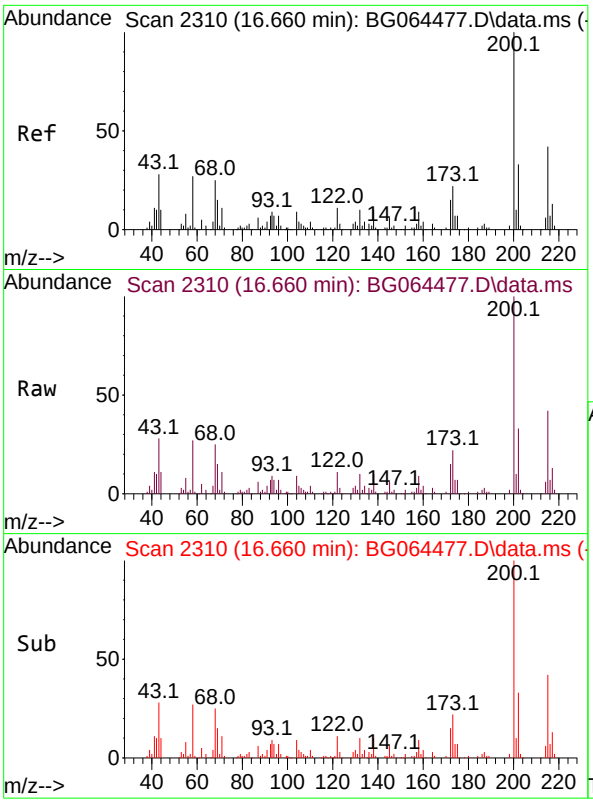


#68
Hexachlorobenzene
Concen: 42.809 ng
RT: 16.501 min Scan# 2283
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:284 Resp: 79010

Ion	Ratio	Lower	Upper
284	100		
142	32.7	26.2	39.2
249	36.7	29.4	44.0

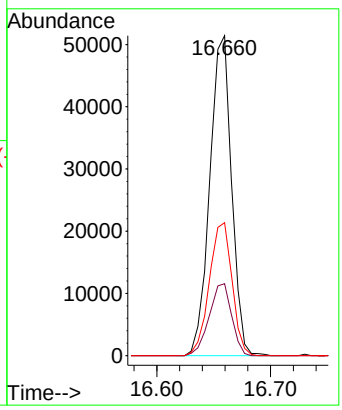




#69
Atrazine
Concen: 42.039 ng
RT: 16.660 min Scan# 2
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:200 Resp: 6845

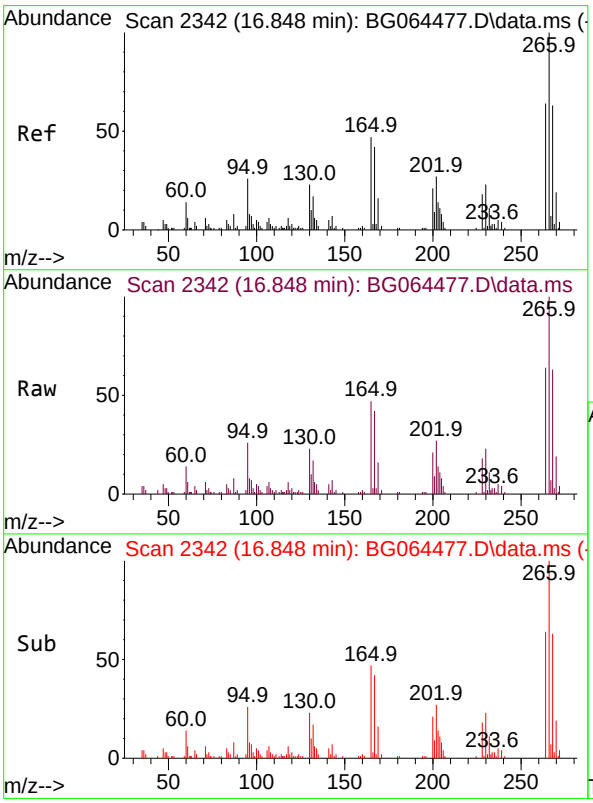
Ion	Ratio	Lower	Upper
200	100		
173	22.5	2.5	42.5
215	41.5	21.5	61.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

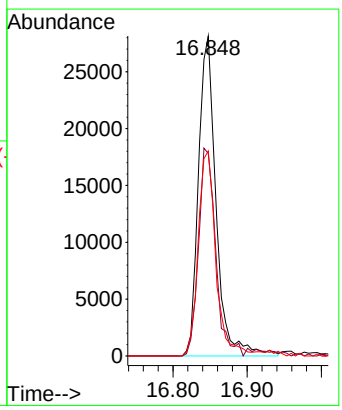
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

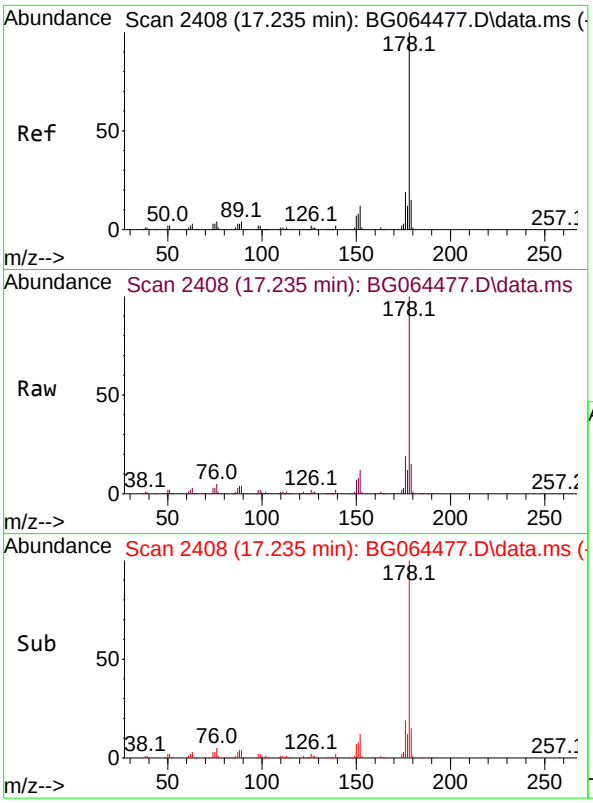


#70
Pentachlorophenol
Concen: 43.049 ng
RT: 16.848 min Scan# 2342
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:266 Resp: 46456

Ion	Ratio	Lower	Upper
266	100		
268	63.2	50.6	75.8
264	64.0	51.2	76.8

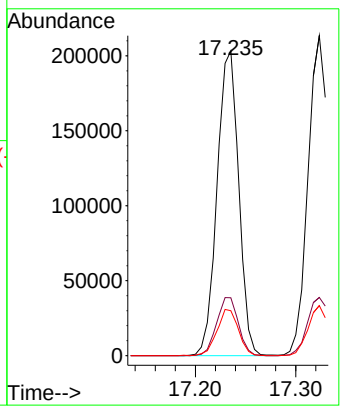




#71
Phenanthrene
Concen: 42.473 ng
RT: 17.235 min Scan# 24
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:178 Resp: 30444

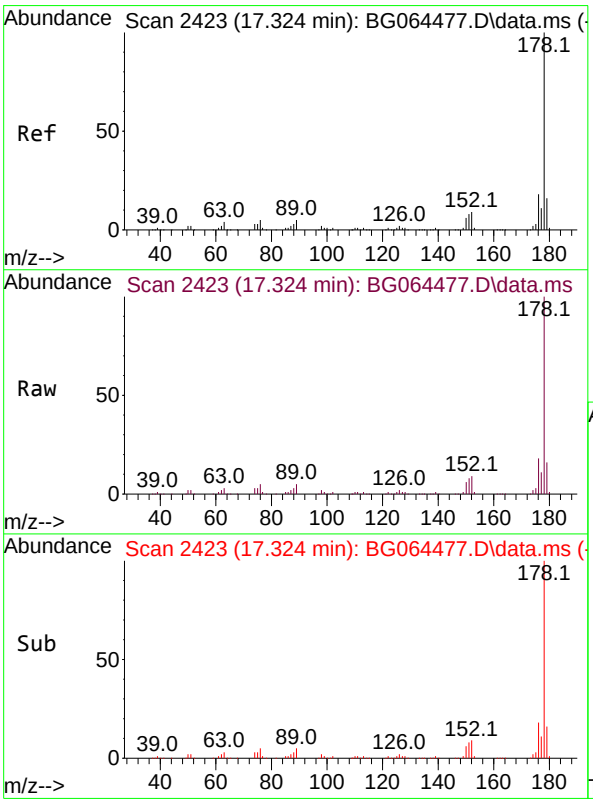
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	14.7	11.8	17.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

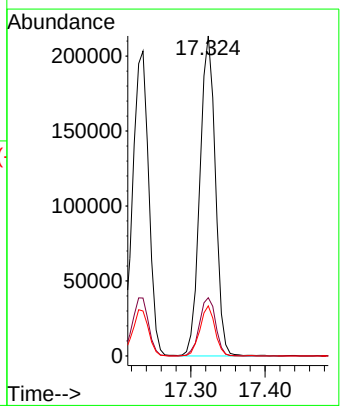
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

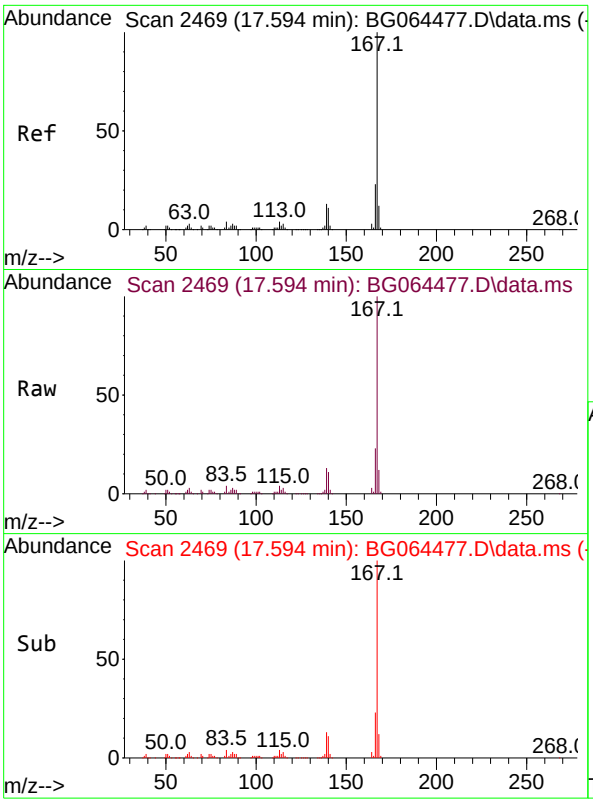


#72
Anthracene
Concen: 43.082 ng
RT: 17.324 min Scan# 2423
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:178 Resp: 309798

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.6	12.5	18.7

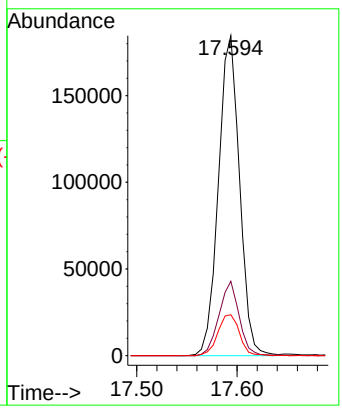




#73
Carbazole
Concen: 43.520 ng
RT: 17.594 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:167 Resp: 27050

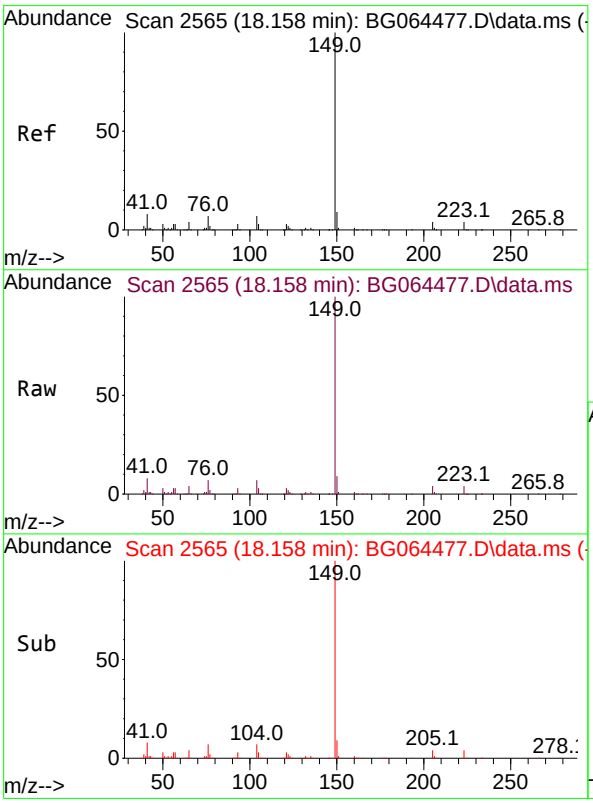
Ion	Ratio	Lower	Upper
167	100		
166	23.2	18.6	27.8
139	12.8	10.2	15.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

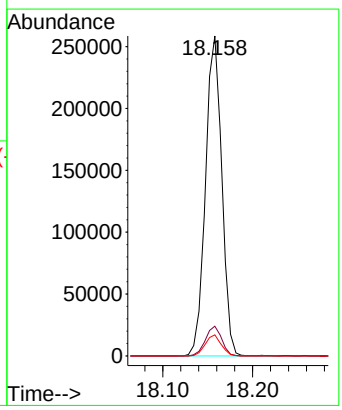
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

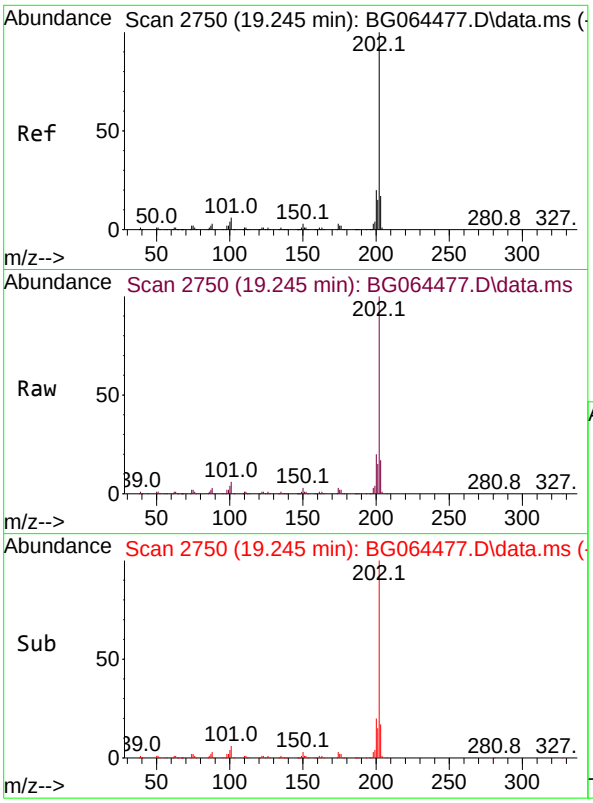


#74
Di-n-butylphthalate
Concen: 42.948 ng
RT: 18.158 min Scan# 2565
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:149 Resp: 325874

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	6.6	5.3	7.9

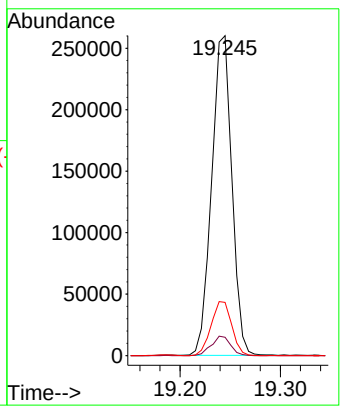




#75
Fluoranthene
Concen: 42.577 ng
RT: 19.245 min Scan# 2
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:202 Resp: 364596

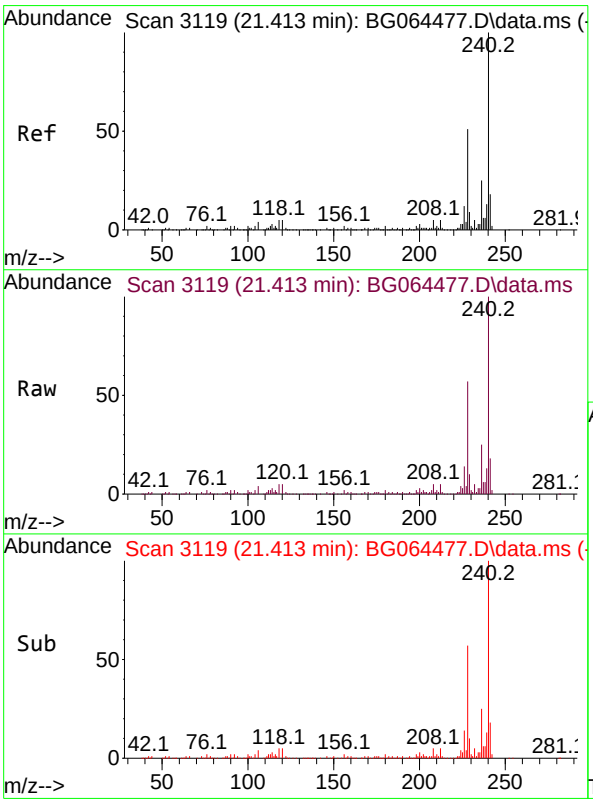
Ion	Ratio	Lower	Upper
202	100		
101	5.7	0.0	25.7
203	16.6	0.0	36.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

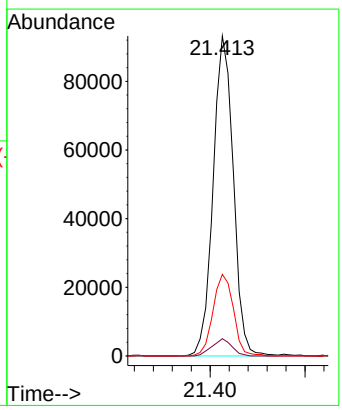
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

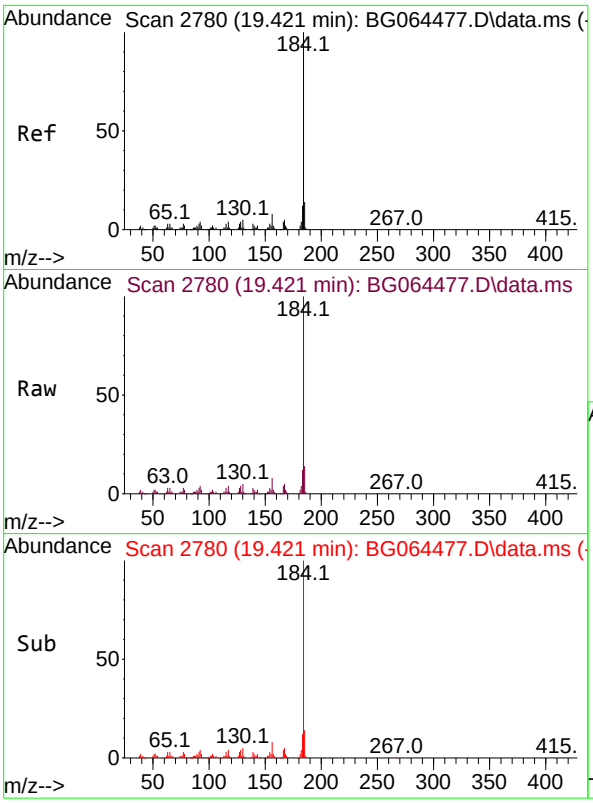


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.413 min Scan# 3119
Delta R.T. 0.003 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:240 Resp: 137806

Ion	Ratio	Lower	Upper
240	100		
120	5.4	4.3	6.5
236	25.5	20.4	30.6

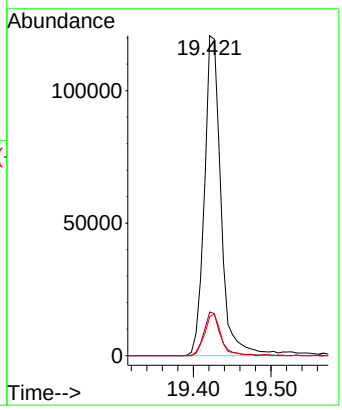




#77
Benzidine
Concen: 52.157 ng
RT: 19.421 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:184 Resp: 17885

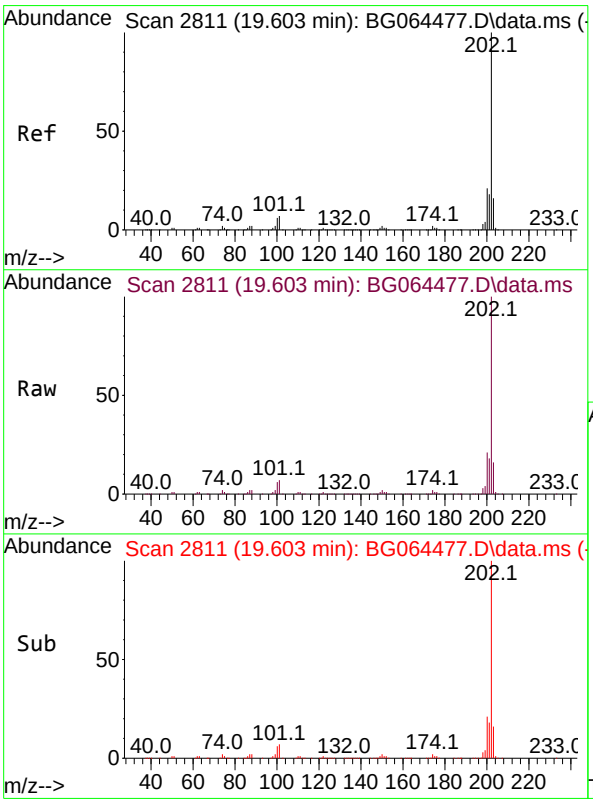
Ion	Ratio	Lower	Upper
184	100		
185	13.6	10.9	16.3
183	12.2	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

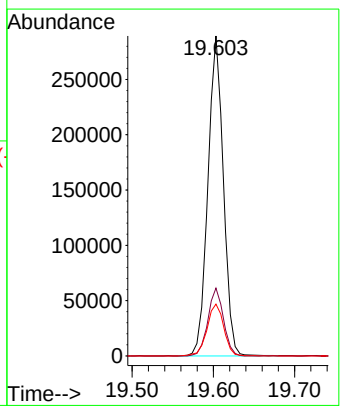
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

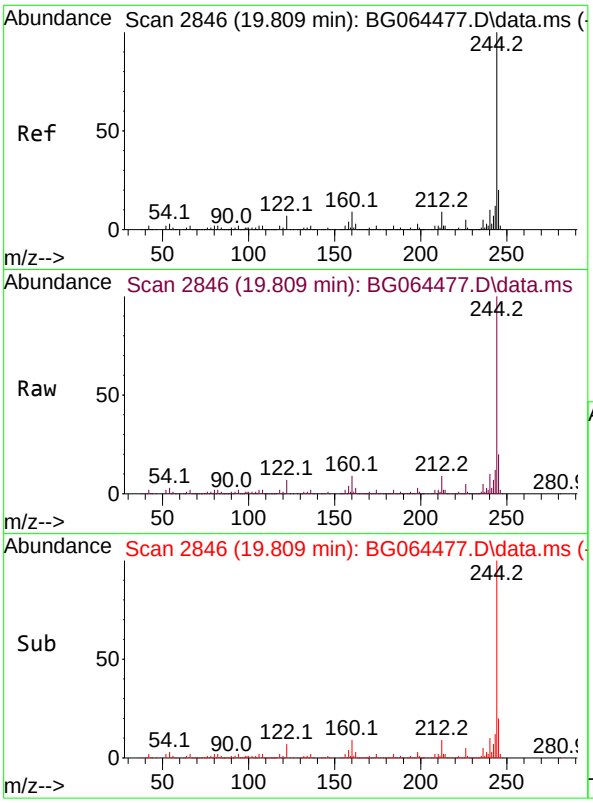


#78
Pyrene
Concen: 42.890 ng
RT: 19.603 min Scan# 2811
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:202 Resp: 383571

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	16.2	13.0	19.4

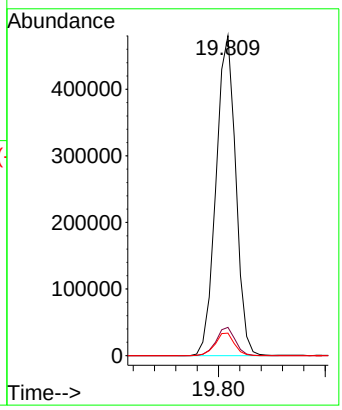




#79
Terphenyl-d14
Concen: 85.021 ng
RT: 19.809 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:244 Resp: 619099

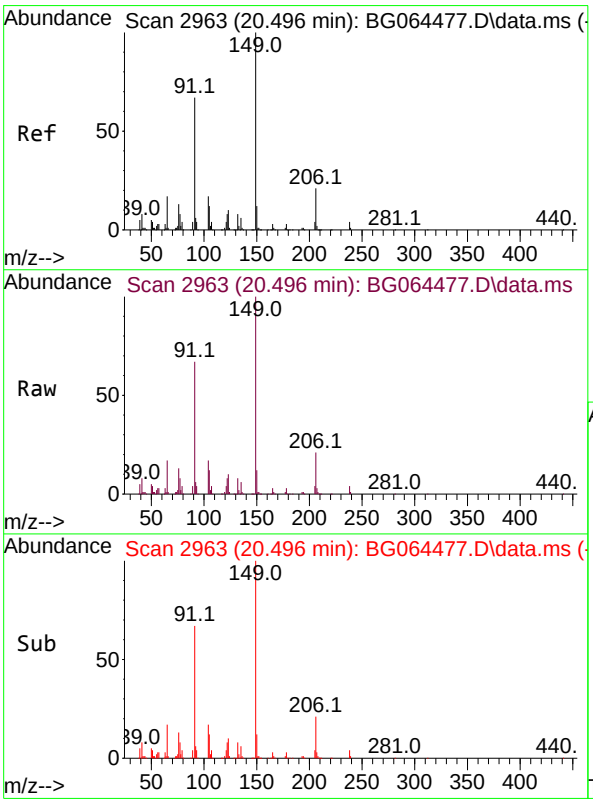
Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.0	10.6
122	7.0	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

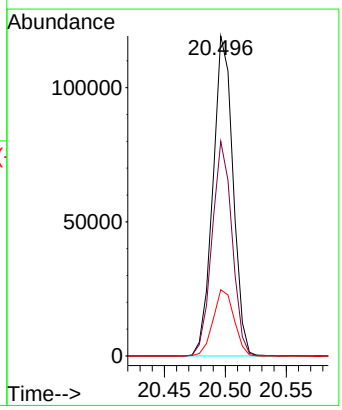
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

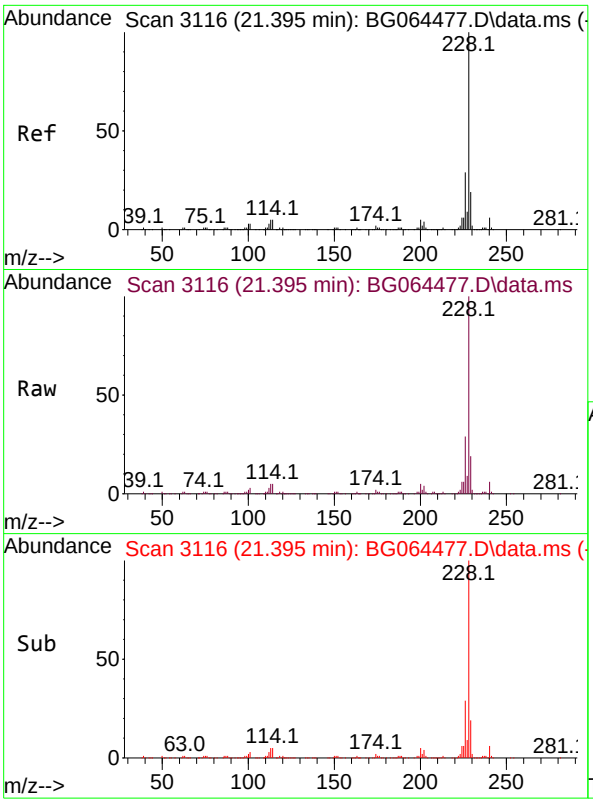


#80
Butylbenzylphthalate
Concen: 43.202 ng
RT: 20.496 min Scan# 2963
Delta R.T. -0.003 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:149 Resp: 136961

Ion	Ratio	Lower	Upper
149	100		
91	67.1	53.7	80.5
206	20.7	16.6	24.8

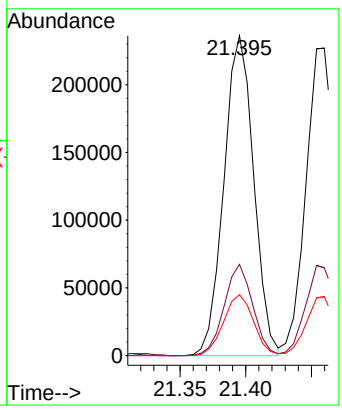




#81
Benzo(a)anthracene
Concen: 42.392 ng
RT: 21.395 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:228 Resp: 373009

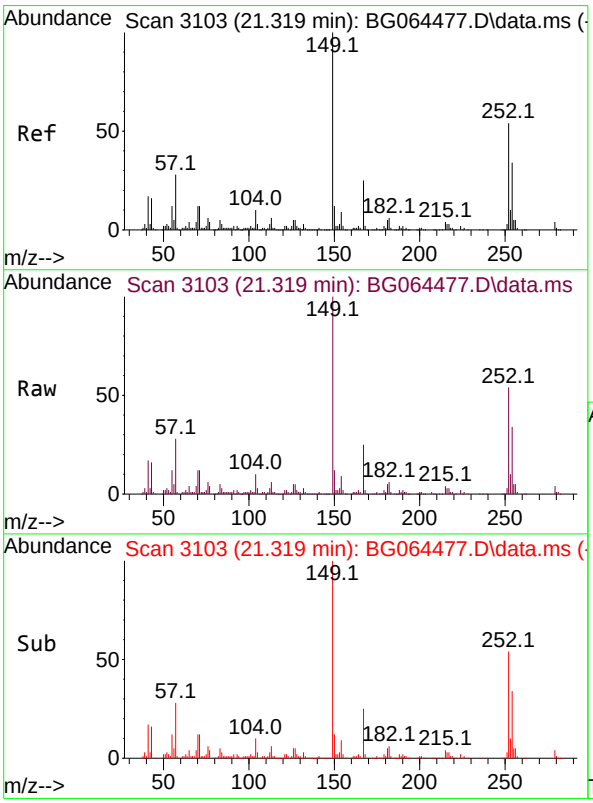
Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.8	34.2
229	19.0	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

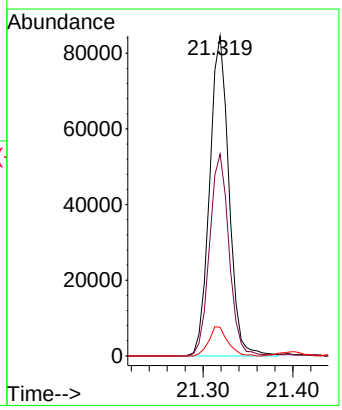
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

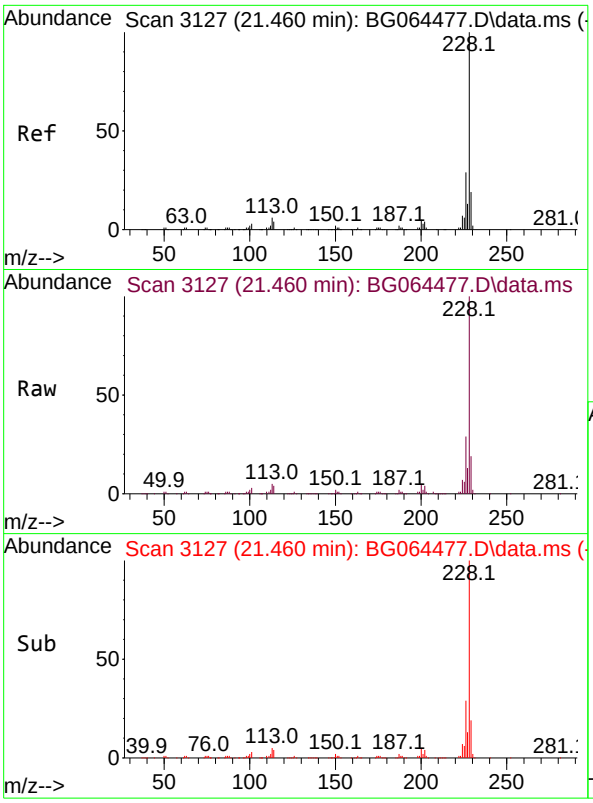


#82
3,3'-Dichlorobenzidine
Concen: 42.345 ng
RT: 21.319 min Scan# 3103
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:252 Resp: 126107

Ion	Ratio	Lower	Upper
252	100		
254	63.1	50.5	75.7
126	8.9	7.1	10.7

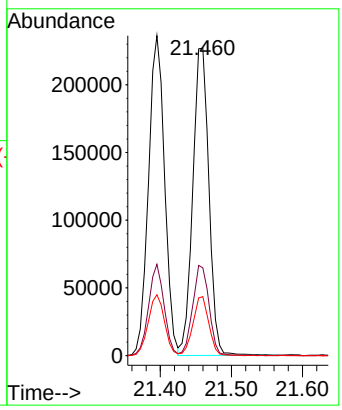




#83
Chrysene
Concen: 42.849 ng
RT: 21.460 min Scan# 3
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:228 Resp: 35755

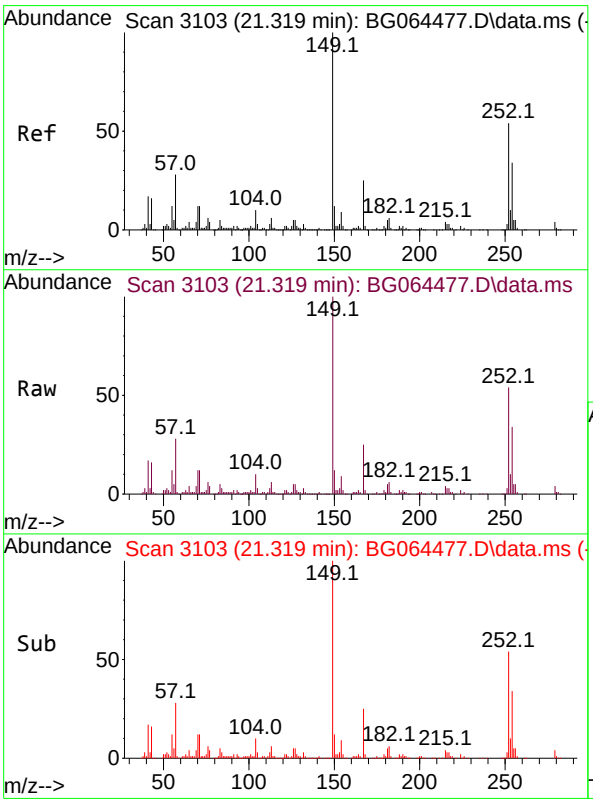
Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.8	34.2
229	19.2	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

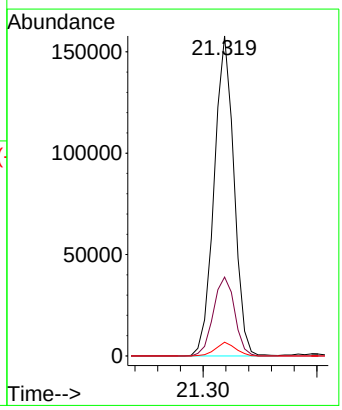
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

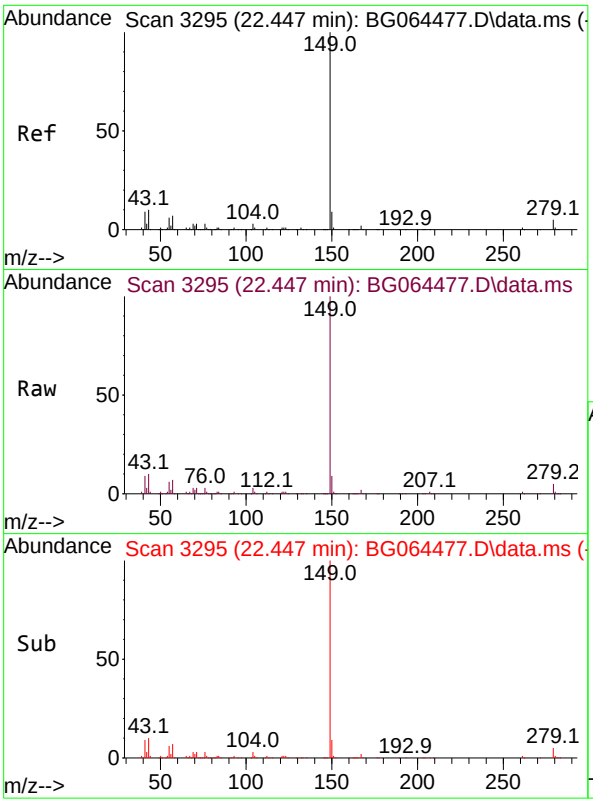


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.664 ng
RT: 21.319 min Scan# 3103
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:149 Resp: 190838

Ion	Ratio	Lower	Upper
149	100		
167	24.6	19.7	29.5
279	4.3	3.4	5.2

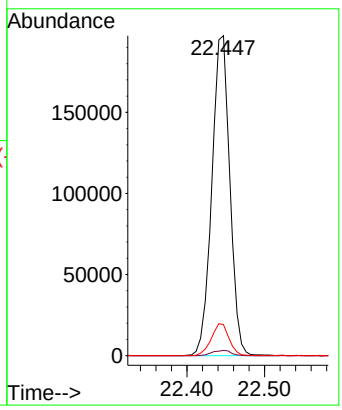




#85
Di-n-octyl phthalate
Concen: 42.277 ng
RT: 22.447 min Scan# 3
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:149 Resp: 31783

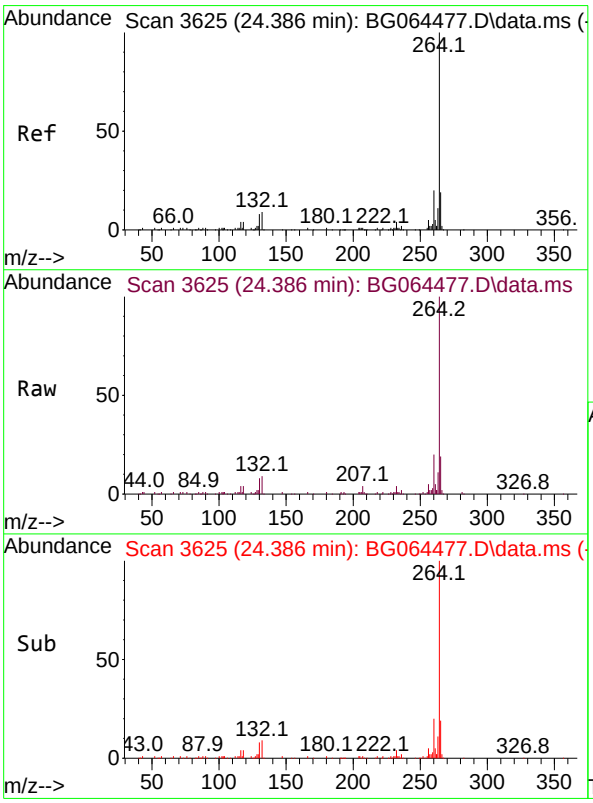
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	9.9	7.9	11.9



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

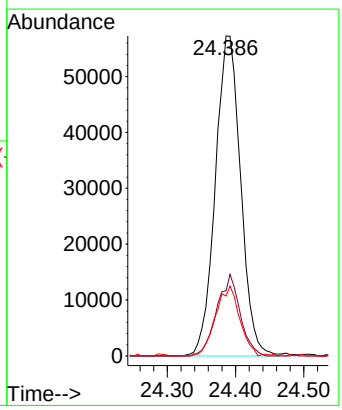
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

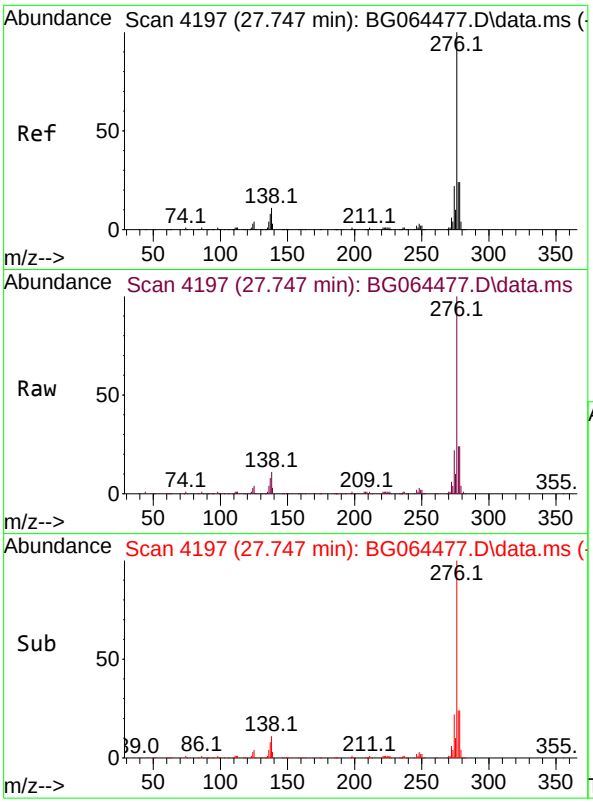


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.386 min Scan# 3625
Delta R.T. -0.003 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:264 Resp: 147142

Ion	Ratio	Lower	Upper
264	100		
260	20.3	16.2	24.4
265	18.7	15.0	22.4

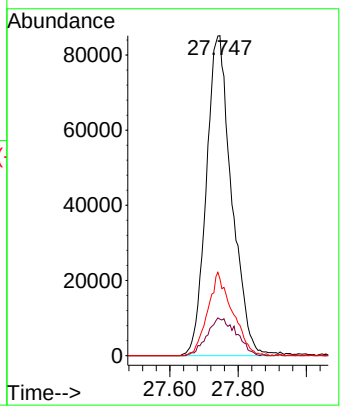




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.906 ng
RT: 27.747 min Scan# 41
Delta R.T. 0.014 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:276 Resp: 43944

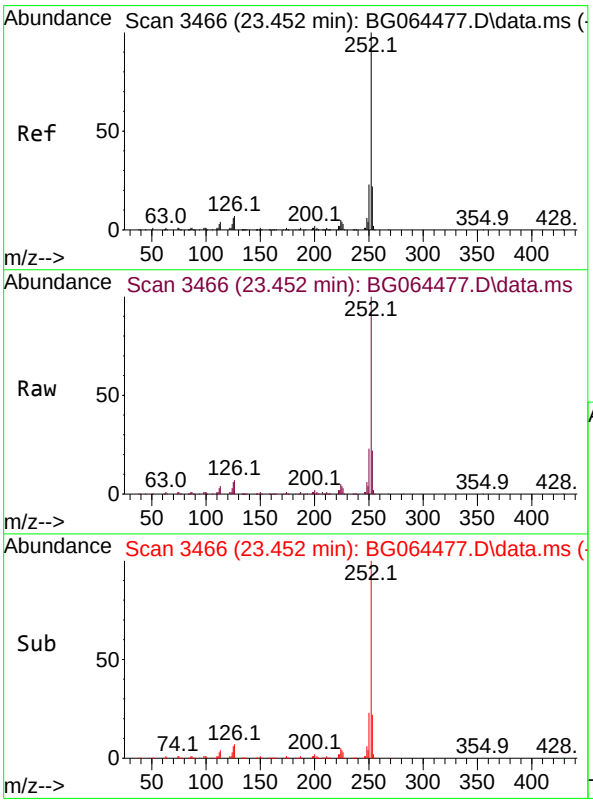
Ion	Ratio	Lower	Upper
276	100		
138	13.5	10.8	16.2
277	25.4	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

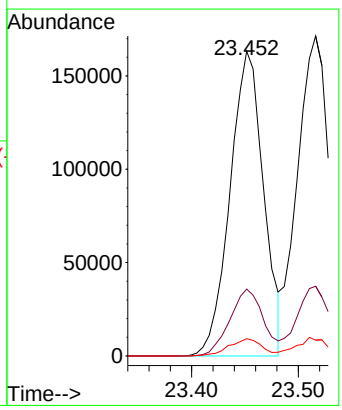
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

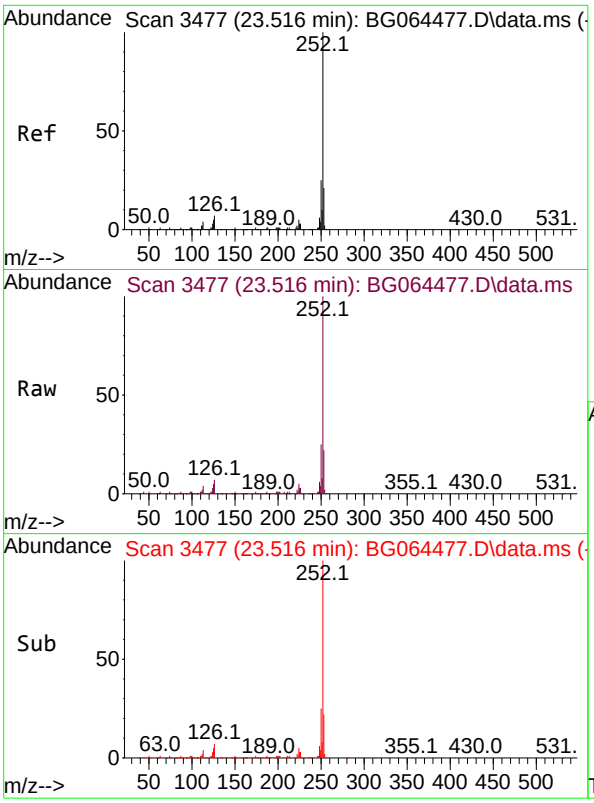


#88
Benzo(b)fluoranthene
Concen: 42.621 ng
RT: 23.452 min Scan# 3466
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:252 Resp: 356780

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	5.6	4.5	6.7

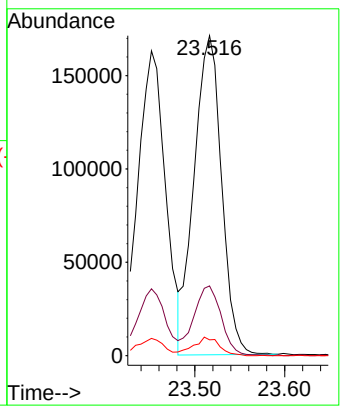




#89
Benzo(k)fluoranthene
Concen: 43.050 ng
RT: 23.516 min Scan# 34
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:252 Resp: 36294

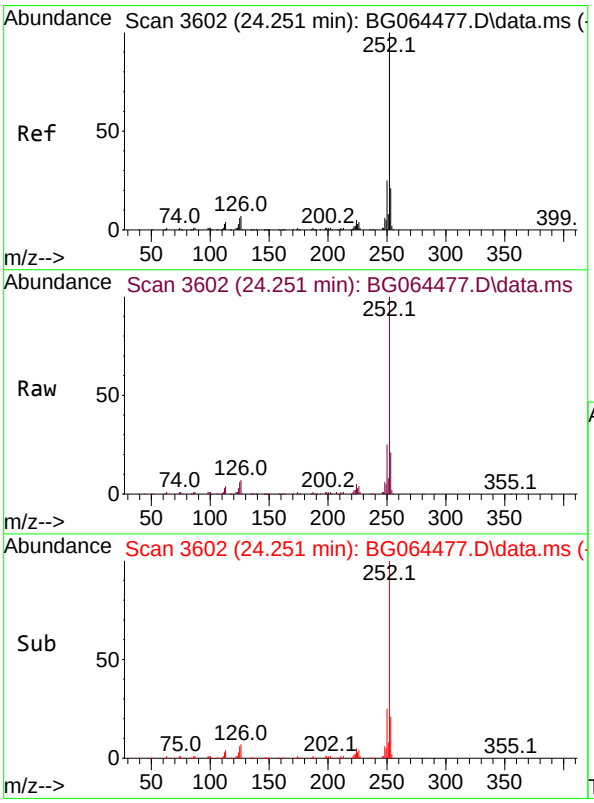
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	5.0	4.0	6.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

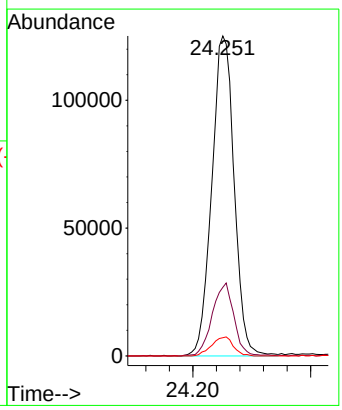
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

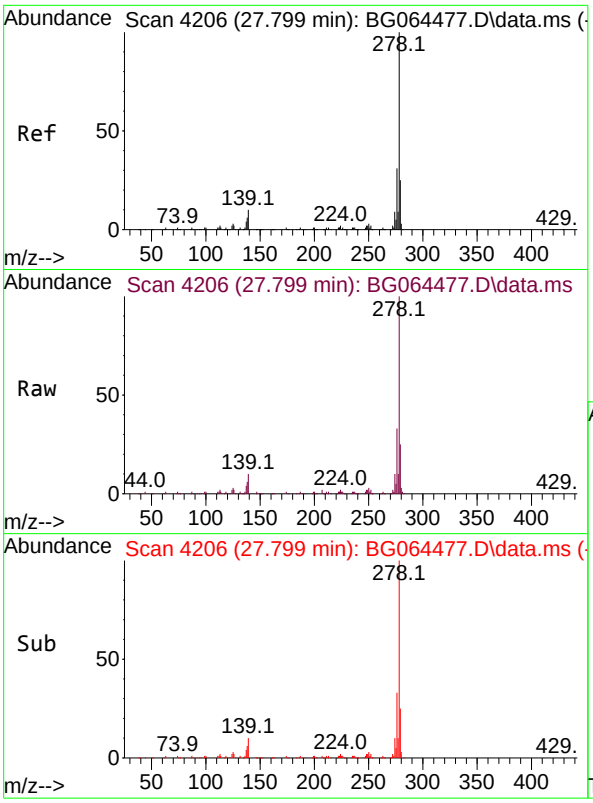


#90
Benzo(a)pyrene
Concen: 42.800 ng
RT: 24.251 min Scan# 3602
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:252 Resp: 330197

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	5.7	4.6	6.8

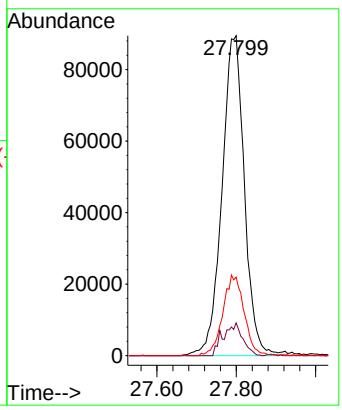




#91
Dibenzo(a,h)anthracene
Concen: 42.755 ng
RT: 27.799 min Scan# 4
Delta R.T. 0.020 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:278 Resp: 35019

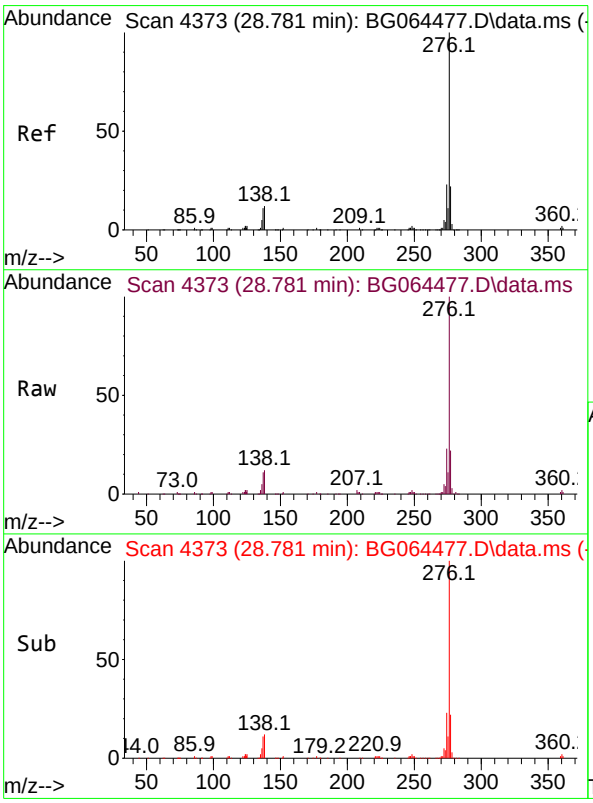
Ion	Ratio	Lower	Upper
278	100		
139	10.2	8.2	12.2
279	24.5	19.6	29.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

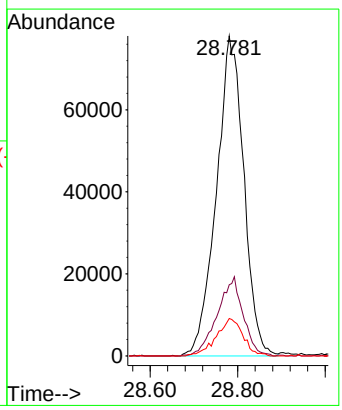
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#92
Benzo(g,h,i)perylene
Concen: 42.613 ng
RT: 28.781 min Scan# 4373
Delta R.T. 0.014 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:276 Resp: 339180

Ion	Ratio	Lower	Upper
276	100		
277	22.2	17.8	26.6
138	11.7	9.4	14.0



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064478.D
Acq On : 2 Oct 2025 12:55
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 02 16:53:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.825	152	23869	20.000	ng		0.00
21) Naphthalene-d8	10.610	136	102736	20.000	ng		0.00
39) Acenaphthene-d10	14.452	164	77950	20.000	ng		0.00
64) Phenanthrene-d10	17.190	188	200361	20.000	ng		0.00
76) Chrysene-d12	21.415	240	197724	20.000	ng		0.00
86) Perylene-d12	24.394	264	211036	20.000	ng		# 0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	127857	99.134	ng		0.00
7) Phenol-d6	7.002	99	171087	98.712	ng		0.02
23) Nitrobenzene-d5	8.982	82	189687	99.278	ng		0.02
42) 2,4,6-Tribromophenol	15.945	330	141783	100.345	ng		0.01
45) 2-Fluorobiphenyl	13.078	172	516540	97.676	ng		0.01
79) Terphenyl-d14	19.811	244	1018211	97.457	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.324	88	23748	46.551	ng		93
3) Pyridine	3.718	79	65738	47.947	ng		95
4) n-Nitrosodimethylamine	3.636	42	49695	49.999	ng		100
6) Aniline	7.155	93	105749	48.370	ng		96
8) 2-Chlorophenol	7.390	128	75448	47.639	ng		94
9) Benzaldehyde	6.967	77	68724	44.668	ng		97
10) Phenol	7.026	94	90535	49.517	ng		94
11) bis(2-Chloroethyl)ether	7.249	93	59666	48.187	ng		96
12) 1,3-Dichlorobenzene	7.713	146	82662	47.713	ng		95
13) 1,4-Dichlorobenzene	7.860	146	84794	48.767	ng		99
14) 1,2-Dichlorobenzene	8.177	146	82182	47.956	ng		98
15) Benzyl Alcohol	8.060	79	80094	50.179	ng		93
16) 2,2'-oxybis(1-Chloropr...	8.348	45	98476	49.340	ng		95
17) 2-Methylphenol	8.271	107	64206	48.496	ng		96
18) Hexachloroethane	8.900	117	33535	48.862	ng		95
19) n-Nitroso-di-n-propyla...	8.636	70	57232	49.375	ng	#	92
20) 3+4-Methylphenols	8.600	107	89015	48.180	ng		95
22) Acetophenone	8.642	105	125989	50.649	ng	#	98
24) Nitrobenzene	9.023	77	93559	49.104	ng		98
25) Isophorone	9.546	82	169476	48.963	ng	#	97
26) 2-Nitrophenol	9.729	139	47538	50.130	ng		95
27) 2,4-Dimethylphenol	9.793	122	73076	50.454	ng		95
28) bis(2-Chloroethoxy)met...	10.028	93	86333	48.931	ng		99
29) 2,4-Dichlorophenol	10.263	162	82797	49.435	ng		96
30) 1,2,4-Trichlorobenzene	10.481	180	87173	47.734	ng		96
31) Naphthalene	10.663	128	255453	48.286	ng		98
32) Benzoic acid	9.975	122	60774m	54.652	ng		
33) 4-Chloroaniline	10.768	127	99704	49.113	ng		97
34) Hexachlorobutadiene	10.951	225	76081	48.646	ng		97
35) Caprolactam	11.562	113	28417	49.561	ng		92
36) 4-Chloro-3-methylphenol	11.902	107	100226	49.208	ng		98
37) 2-Methylnaphthalene	12.273	142	199899	49.224	ng		96
38) 1-Methylnaphthalene	12.490	142	192614	47.567	ng		98
40) 1,2,4,5-Tetrachloroben...	12.643	216	124648	49.525	ng		98
41) Hexachlorocyclopentadiene	12.625	237	69372	52.692	ng		93
43) 2,4,6-Trichlorophenol	12.884	196	81144	50.434	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064478.D
Acq On : 2 Oct 2025 12:55
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 02 16:53:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.960	196	90524	50.396	ng		98
46) 1,1'-Biphenyl	13.289	154	279537	49.860	ng		97
47) 2-Chloronaphthalene	13.330	162	205802	49.166	ng		99
48) 2-Nitroaniline	13.530	65	75138	52.594	ng		94
49) Acenaphthylene	14.170	152	306740	49.365	ng		98
50) Dimethylphthalate	13.912	163	298441	48.884	ng		98
51) 2,6-Dinitrotoluene	14.029	165	64970	51.087	ng		93
52) Acenaphthene	14.517	154	215606	49.943	ng		97
53) 3-Nitroaniline	14.358	138	61347	52.305	ng		92
54) 2,4-Dinitrophenol	14.564	184	44469	48.222	ng		89
55) Dibenzofuran	14.852	168	354924	49.793	ng		99
56) 4-Nitrophenol	14.676	139	49950	54.092	ng		94
57) 2,4-Dinitrotoluene	14.817	165	99930	51.401	ng		95
58) Fluorene	15.498	166	290041	48.945	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.081	232	92595	50.511	ng		98
60) Diethylphthalate	15.281	149	326367	49.833	ng		98
61) 4-Chlorophenyl-phenyle...	15.492	204	159141	49.191	ng		96
62) 4-Nitroaniline	15.528	138	67296	55.050	ng		89
63) Azobenzene	15.786	77	252408	49.764	ng		97
65) 4,6-Dinitro-2-methylph...	15.580	198	69009	49.467	ng		97
66) n-Nitrosodiphenylamine	15.710	169	254244	47.518	ng		97
67) 4-Bromophenyl-phenylether	16.385	248	112356	47.653	ng		92
68) Hexachlorobenzene	16.503	284	130063	48.208	ng		95
69) Atrazine	16.662	200	116098	48.772	ng		99
70) Pentachlorophenol	16.850	266	83126	52.695	ng		96
71) Phenanthrene	17.237	178	501941	47.904	ng		99
72) Anthracene	17.325	178	501276	47.688	ng		98
73) Carbazole	17.596	167	439490	48.370	ng		99
74) Di-n-butylphthalate	18.160	149	538886	48.585	ng		100
75) Fluoranthene	19.241	202	597309	47.718	ng		99
77) Benzidine	19.423	184	266730	54.213	ng		100
78) Pyrene	19.605	202	613709	47.828	ng		98
80) Butylbenzylphthalate	20.498	149	221172	48.623	ng		95
81) Benzo(a)anthracene	21.397	228	611850	48.464	ng		98
82) 3,3'-Dichlorobenzidine	21.321	252	208942	48.899	ng		99
83) Chrysene	21.462	228	579585	48.408	ng		98
84) Bis(2-ethylhexyl)phtha...	21.321	149	317005	49.393	ng		98
85) Di-n-octyl phthalate	22.443	149	530469	49.179	ng		99
87) Indeno(1,2,3-cd)pyrene	27.754	276	731852	49.822	ng	#	96
88) Benzo(b)fluoranthene	23.459	252	602249	50.163	ng		98
89) Benzo(k)fluoranthene	23.518	252	592576	49.006	ng		99
90) Benzo(a)pyrene	24.259	252	543872	49.152	ng		99
91) Dibenzo(a,h)anthracene	27.807	278	588448	50.092	ng		95
92) Benzo(g,h,i)perylene	28.806	276	564079	49.412	ng		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

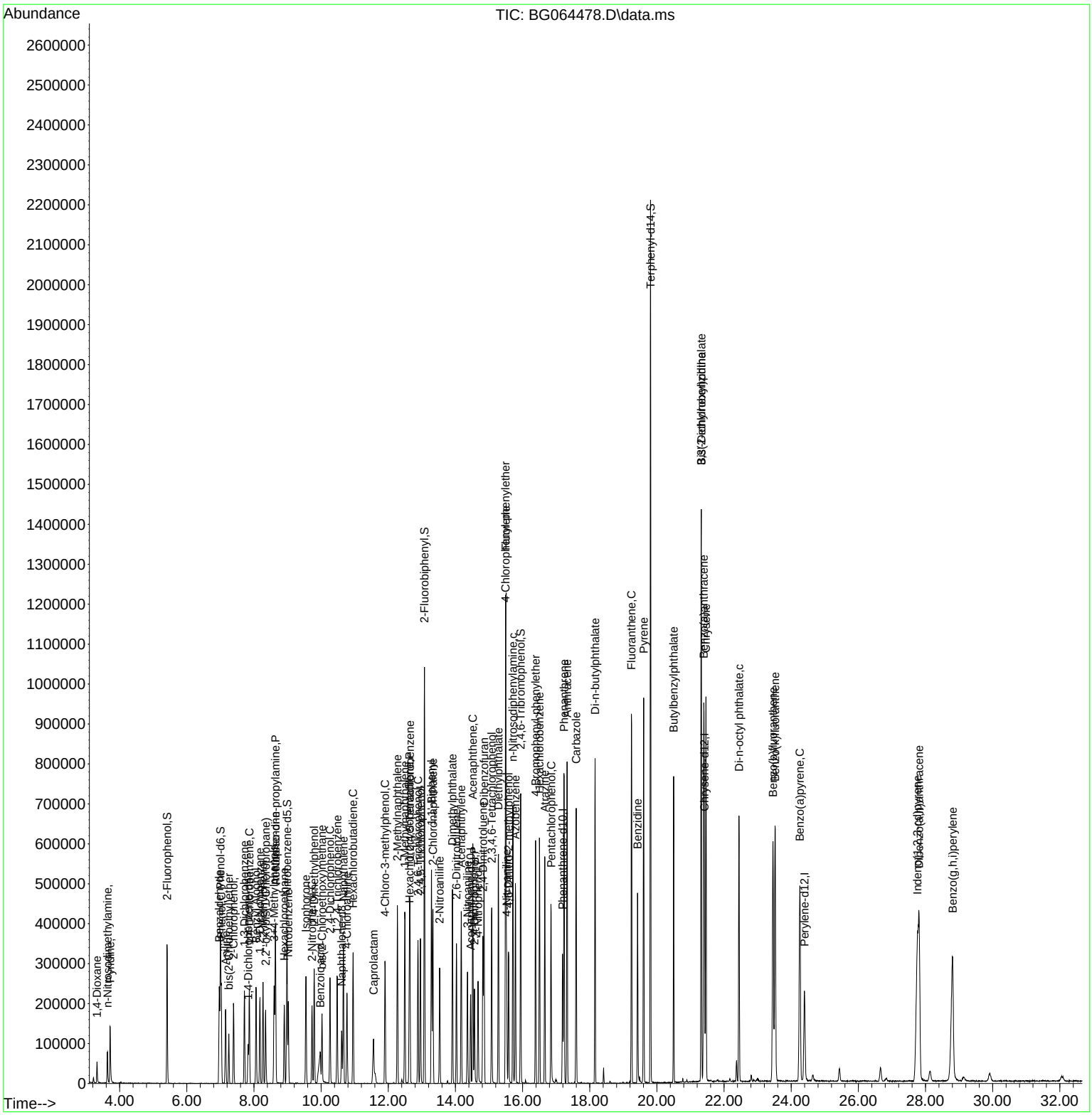
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064478.D
Acq On : 2 Oct 2025 12:55
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

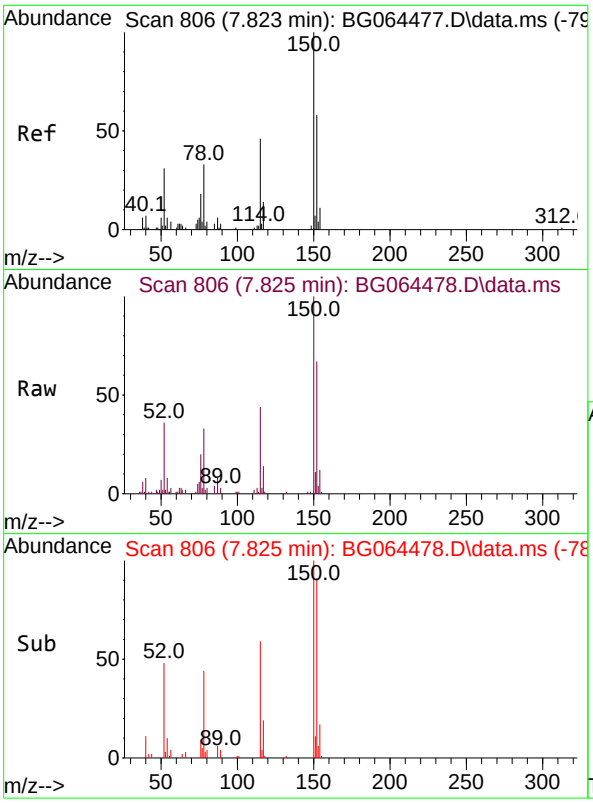
Quant Time: Oct 02 16:53:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

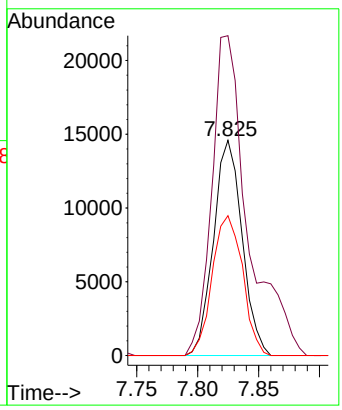




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.825 min Scan# 80
Delta R.T. 0.005 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:152 Resp: 2386

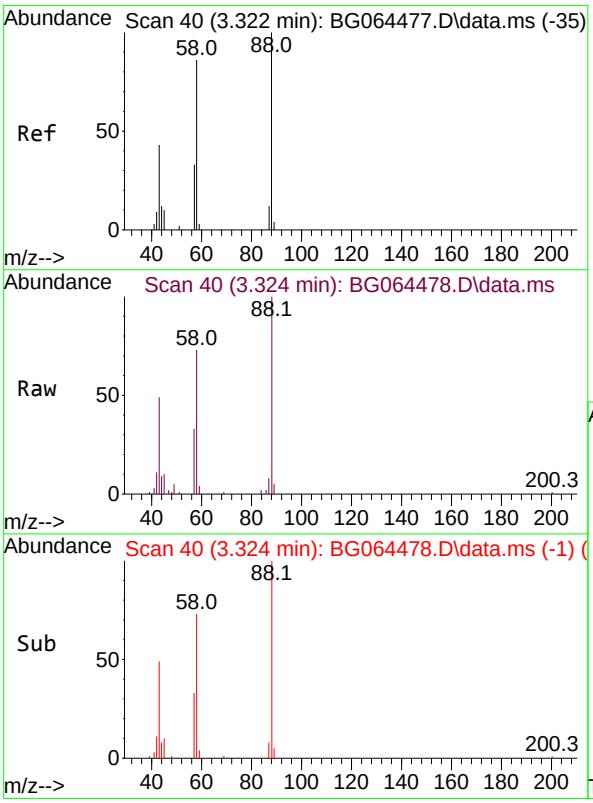
Ion	Ratio	Lower	Upper
152	100		
150	148.6	138.6	207.8
115	65.0	63.4	95.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

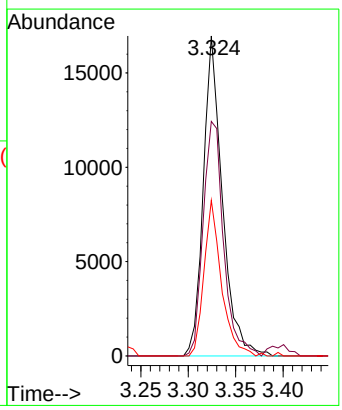
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

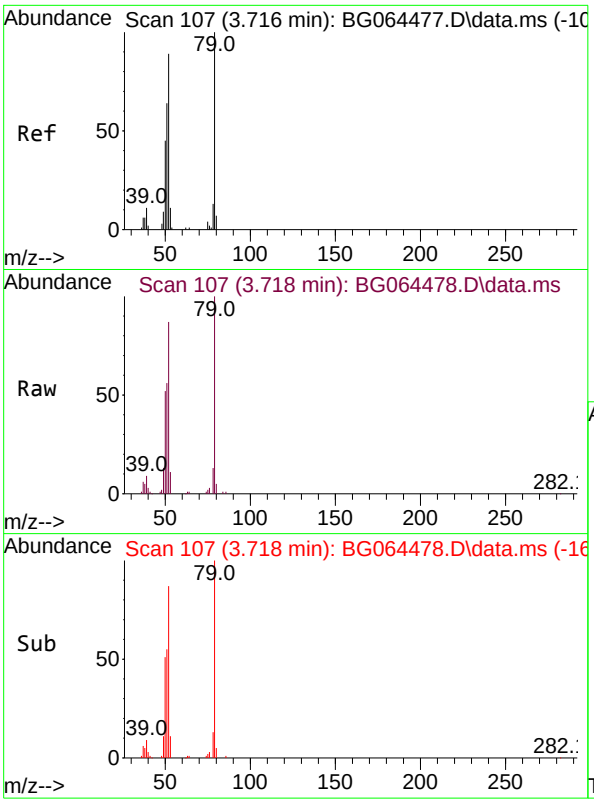


#2
1,4-Dioxane
Concen: 46.551 ng
RT: 3.324 min Scan# 40
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 88 Resp: 23748

Ion	Ratio	Lower	Upper
88	100		
58	78.5	69.8	104.6
43	44.5	37.4	56.0

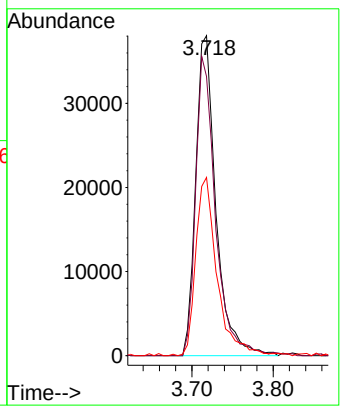




#3
Pyridine
Concen: 47.947 ng
RT: 3.718 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 79 Resp: 6573

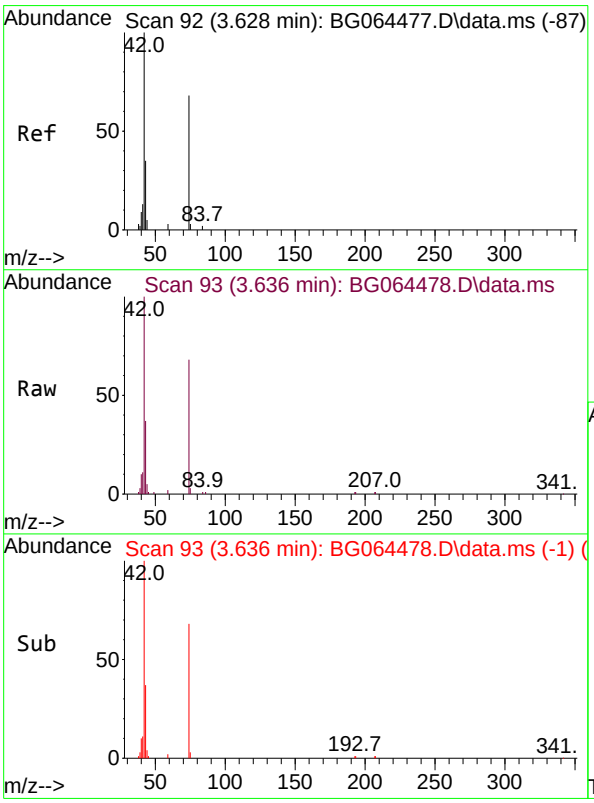
Ion	Ratio	Lower	Upper
79	100		
52	87.2	71.0	106.4
51	55.7	51.0	76.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

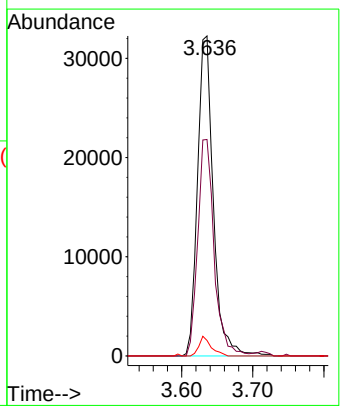
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

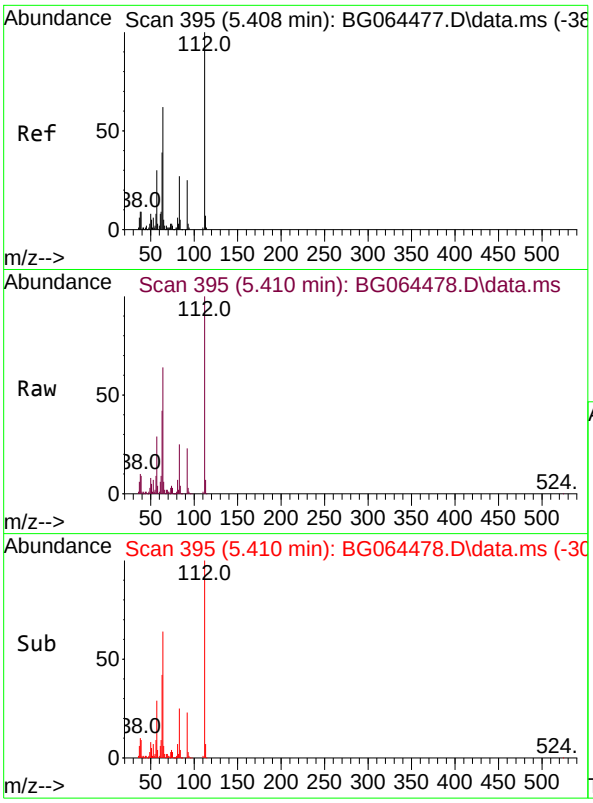


#4
n-Nitrosodimethylamine
Concen: 49.999 ng
RT: 3.636 min Scan# 93
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 42 Resp: 49695

Ion	Ratio	Lower	Upper
42	100		
74	67.6	54.2	81.4
44	4.8	4.2	6.2

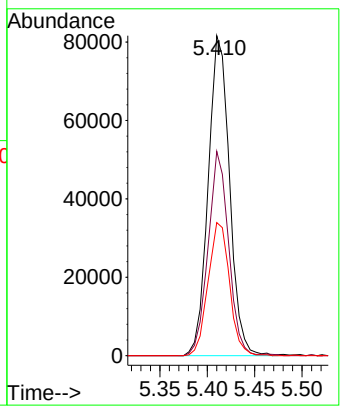




#5
2-Fluorophenol
Concen: 99.134 ng
RT: 5.410 min Scan# 39
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:112 Resp: 12785

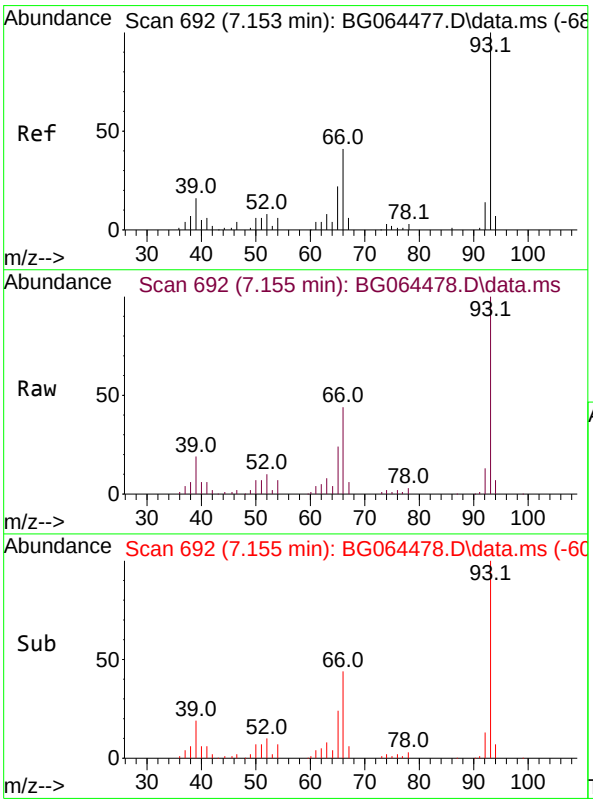
Ion	Ratio	Lower	Upper
112	100		
64	63.8	49.8	74.8
63	41.6	31.3	46.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

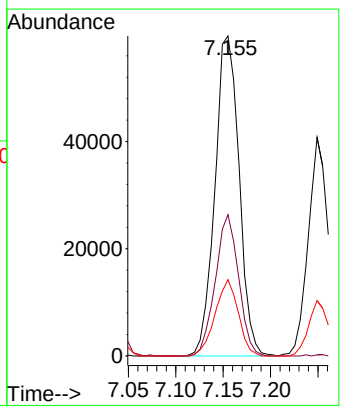
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

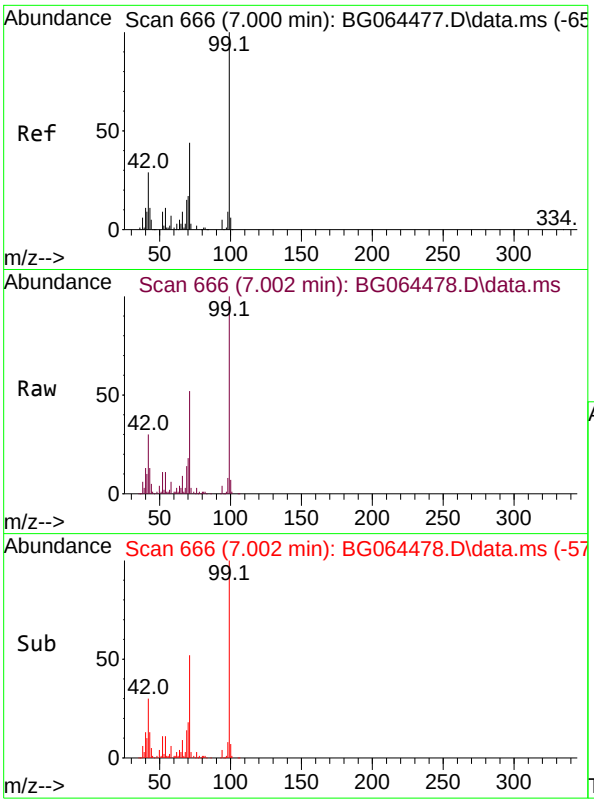


#6
Aniline
Concen: 48.370 ng
RT: 7.155 min Scan# 692
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 93 Resp: 105749

Ion	Ratio	Lower	Upper
93	100		
66	44.1	33.0	49.4
65	23.8	17.5	26.3

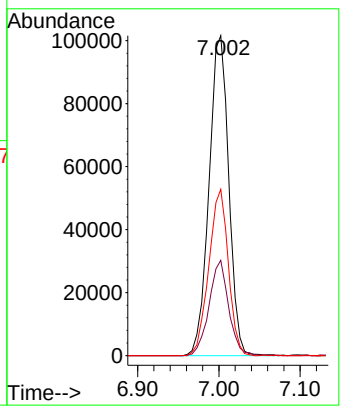




#7
Phenol-d6
Concen: 98.712 ng
RT: 7.002 min Scan# 6
Delta R.T. 0.016 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 99 Resp: 17108

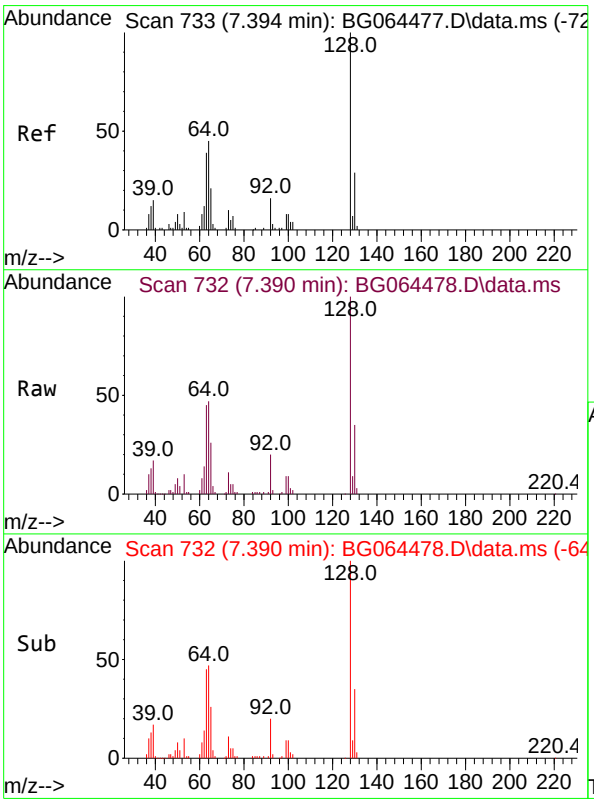
Ion	Ratio	Lower	Upper
99	100		
42	29.8	22.9	34.3
71	52.0	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

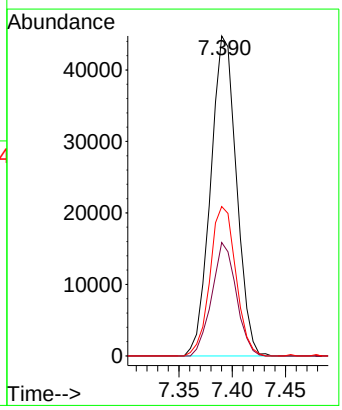
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

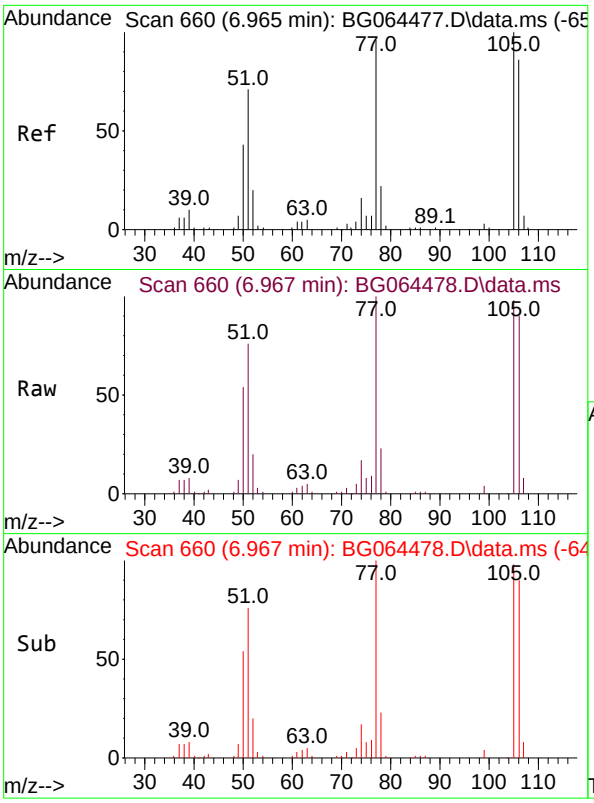


#8
2-Chlorophenol
Concen: 47.639 ng
RT: 7.390 min Scan# 732
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:128 Resp: 75448

Ion	Ratio	Lower	Upper
128	100		
130	35.4	9.2	49.2
64	46.7	25.5	65.5

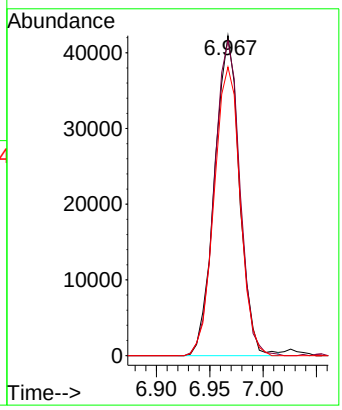




#9
Benzaldehyde
Concen: 44.668 ng
RT: 6.967 min Scan# 6
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 77 Resp: 6872

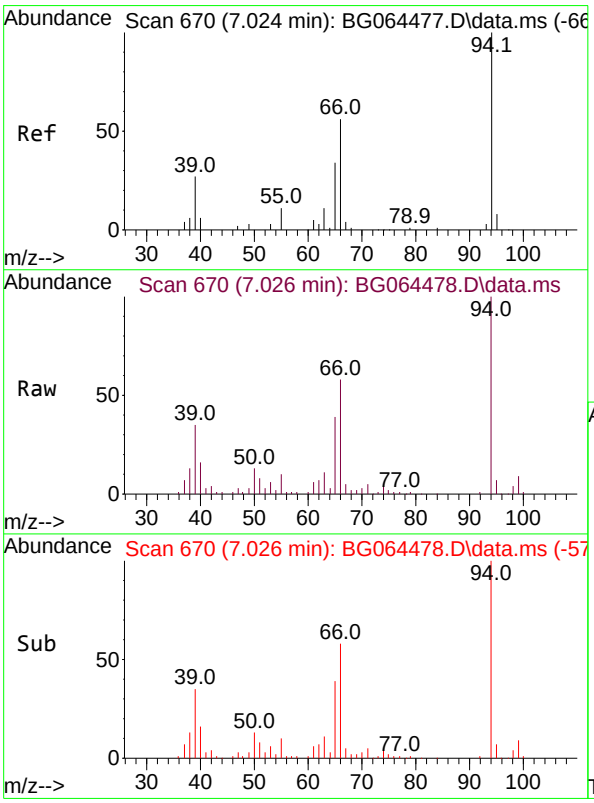
Ion	Ratio	Lower	Upper
77	100		
105	98.3	83.7	123.7
106	90.2	69.4	109.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

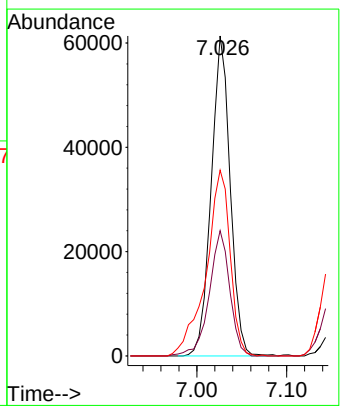
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

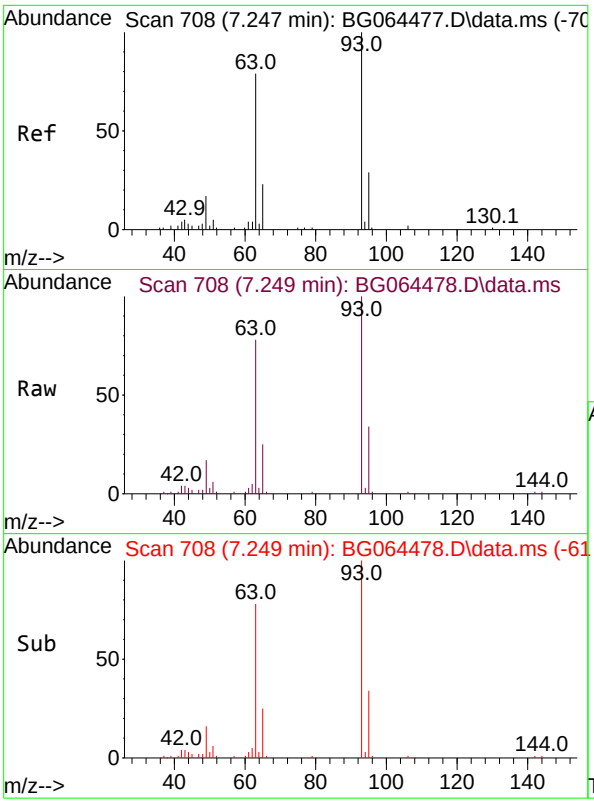


#10
Phenol
Concen: 49.517 ng
RT: 7.026 min Scan# 670
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 94 Resp: 90535

Ion	Ratio	Lower	Upper
94	100		
65	39.1	14.8	54.8
66	58.0	41.4	81.4

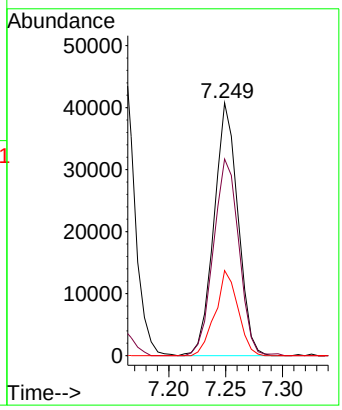




#11
bis(2-Chloroethyl)ether
Concen: 48.187 ng
RT: 7.249 min Scan# 70
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 93 Resp: 5966

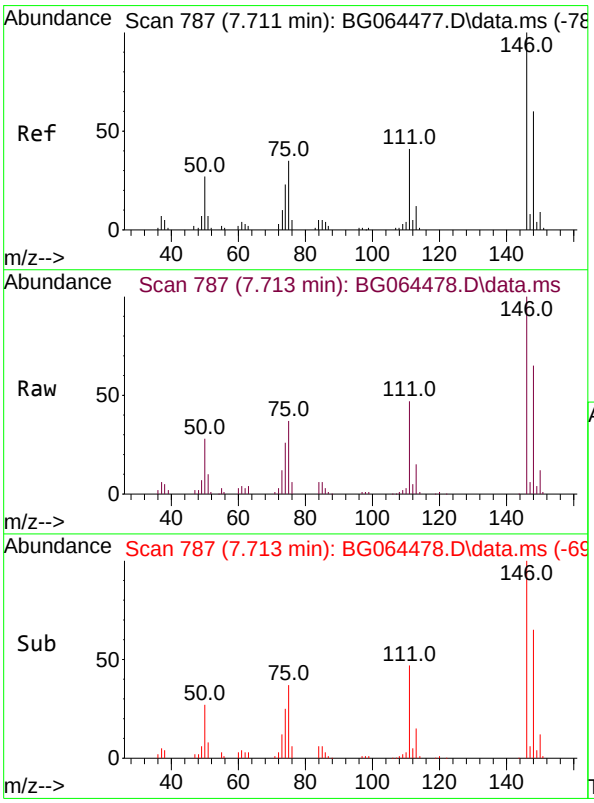
Ion	Ratio	Lower	Upper
93	100		
63	77.8	59.5	99.5
95	33.7	8.8	48.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

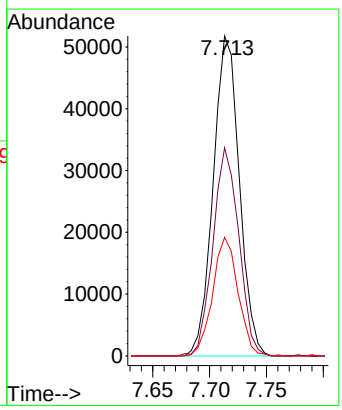
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

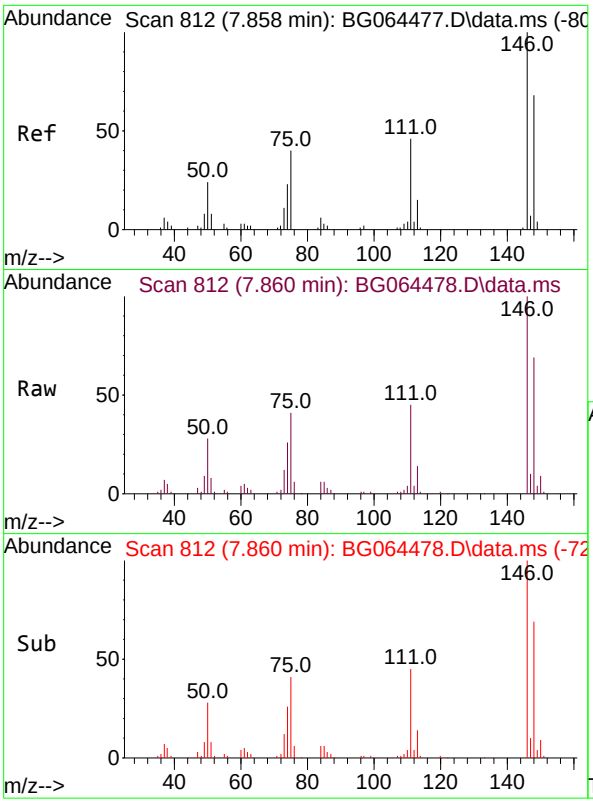


#12
1,3-Dichlorobenzene
Concen: 47.713 ng
RT: 7.713 min Scan# 787
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:146 Resp: 82662

Ion	Ratio	Lower	Upper
146	100		
148	65.1	48.4	72.6
75	37.0	28.3	42.5

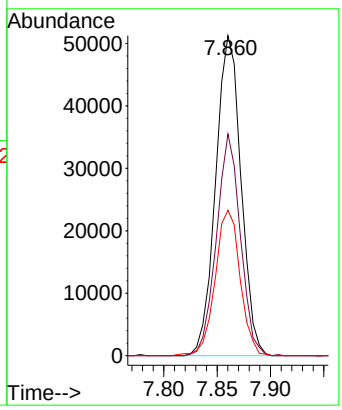




#13
1,4-Dichlorobenzene
Concen: 48.767 ng
RT: 7.860 min Scan# 81
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:146 Resp: 84794

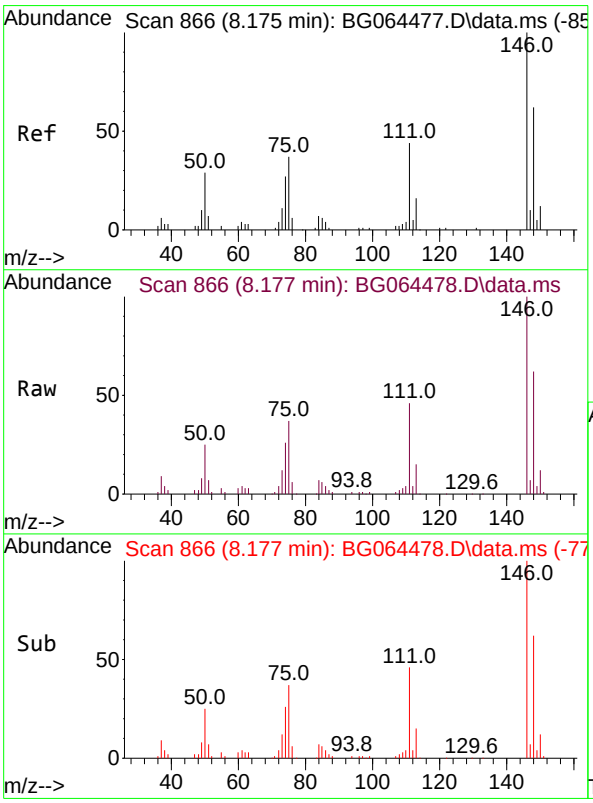
Ion	Ratio	Lower	Upper
146	100		
148	69.3	54.4	81.6
111	45.4	36.5	54.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

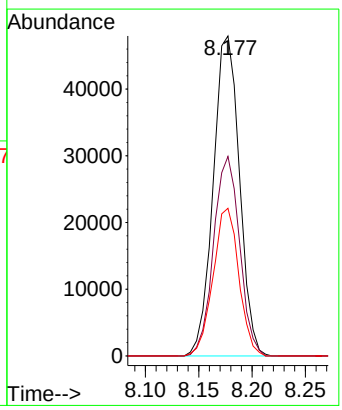
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

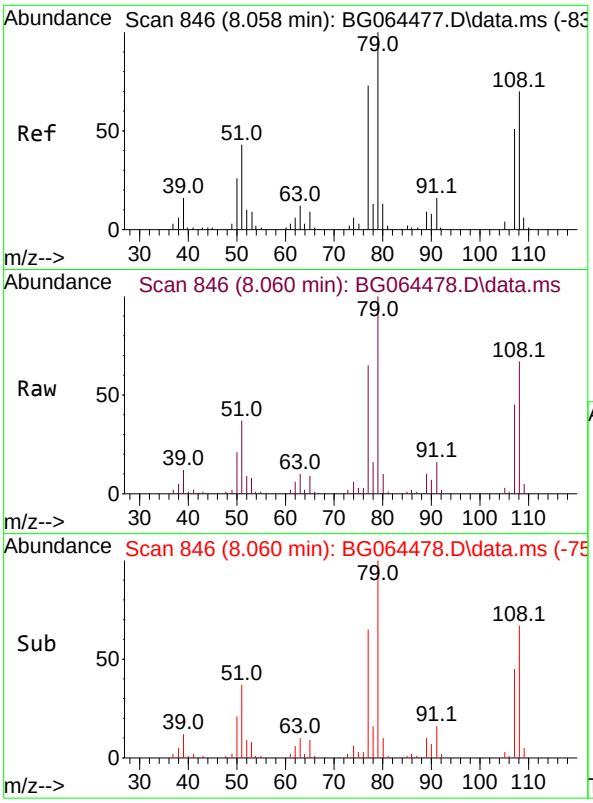


#14
1,2-Dichlorobenzene
Concen: 47.956 ng
RT: 8.177 min Scan# 866
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:146 Resp: 82182

Ion	Ratio	Lower	Upper
146	100		
148	62.3	50.0	75.0
111	46.1	35.0	52.4

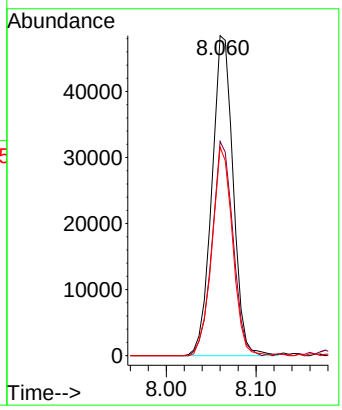




#15
Benzyl Alcohol
Concen: 50.179 ng
RT: 8.060 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 79 Resp: 8009

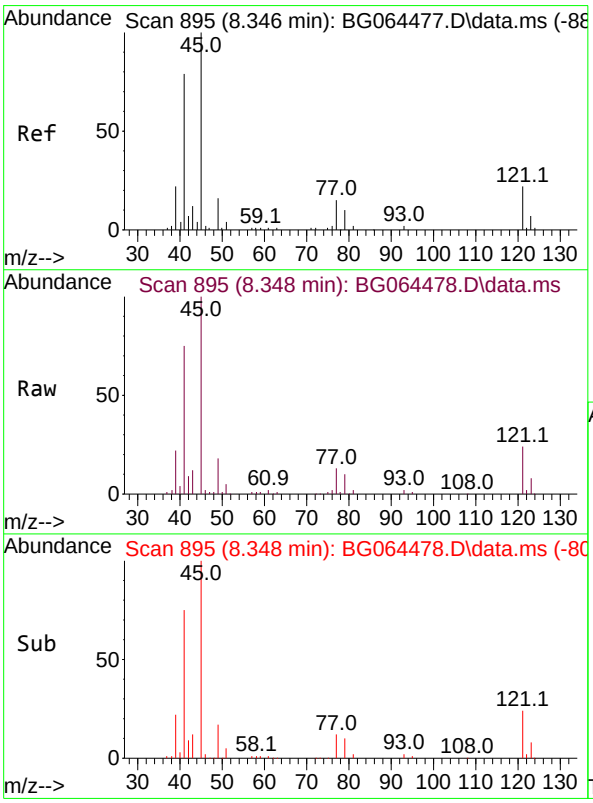
Ion	Ratio	Lower	Upper
79	100		
108	66.9	56.4	84.6
77	65.1	58.3	87.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

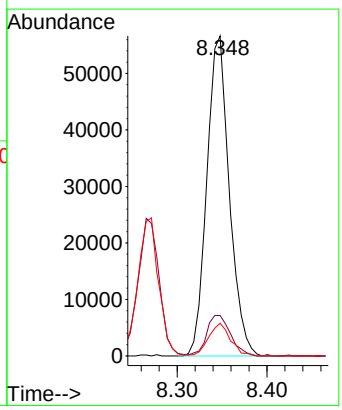
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

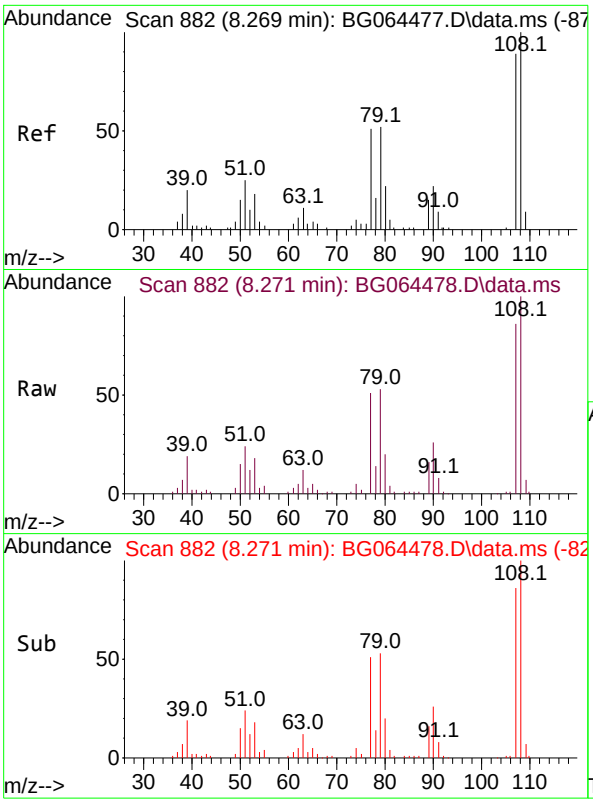


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.340 ng
RT: 8.348 min Scan# 895
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 45 Resp: 98476

Ion	Ratio	Lower	Upper
45	100		
77	12.6	0.0	35.6
79	10.2	0.0	30.7

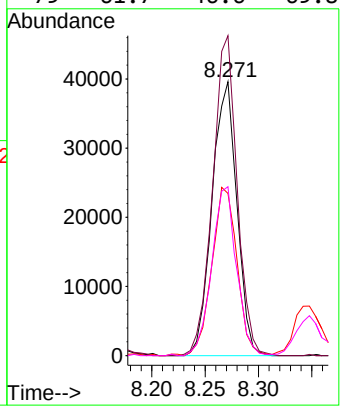




#17
2-Methylphenol
Concen: 48.496 ng
RT: 8.271 min Scan# 88
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:107 Resp: 6420

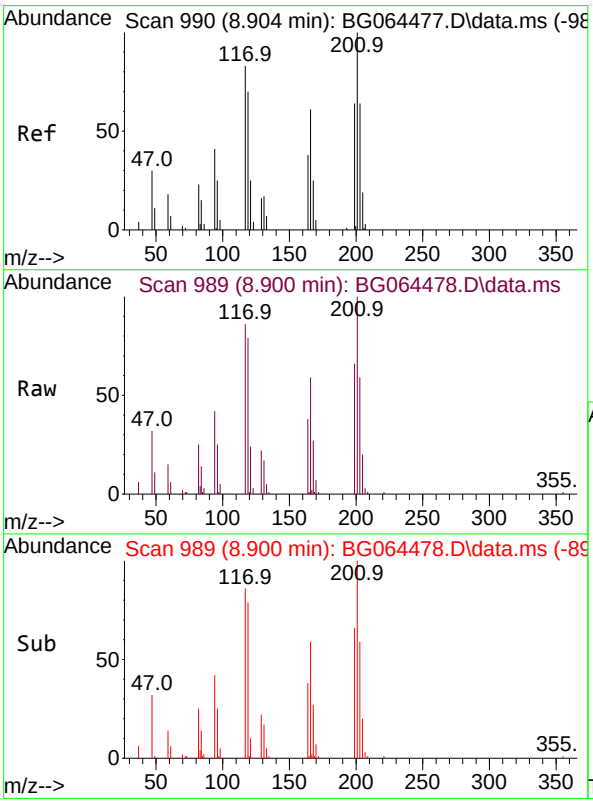
Ion	Ratio	Lower	Upper
107	100		
108	116.9	90.3	135.5
77	59.2	46.0	69.0
79	61.7	46.6	69.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

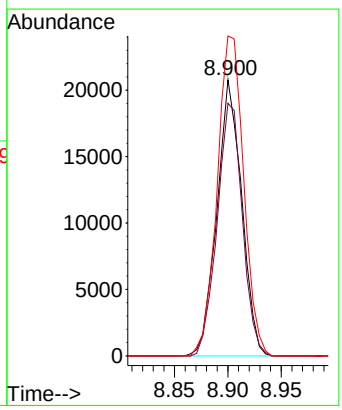
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

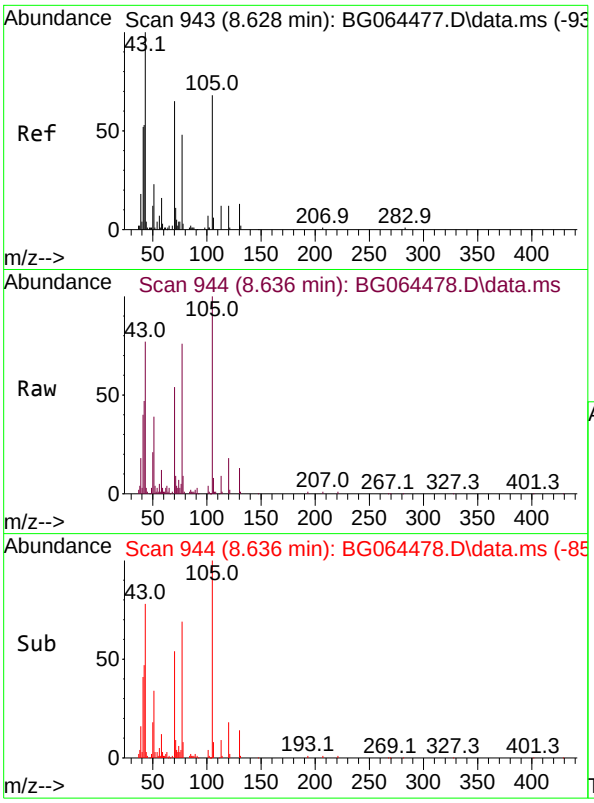


#18
Hexachloroethane
Concen: 48.862 ng
RT: 8.900 min Scan# 989
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:117 Resp: 33535

Ion	Ratio	Lower	Upper
117	100		
119	91.5	67.4	101.0
201	115.9	95.9	143.9

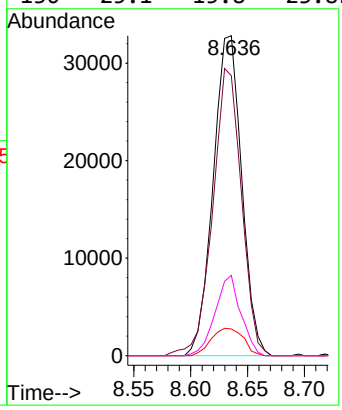




#19
n-Nitroso-di-n-propylamine
Concen: 49.375 ng
RT: 8.636 min Scan# 94
Delta R.T. 0.022 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

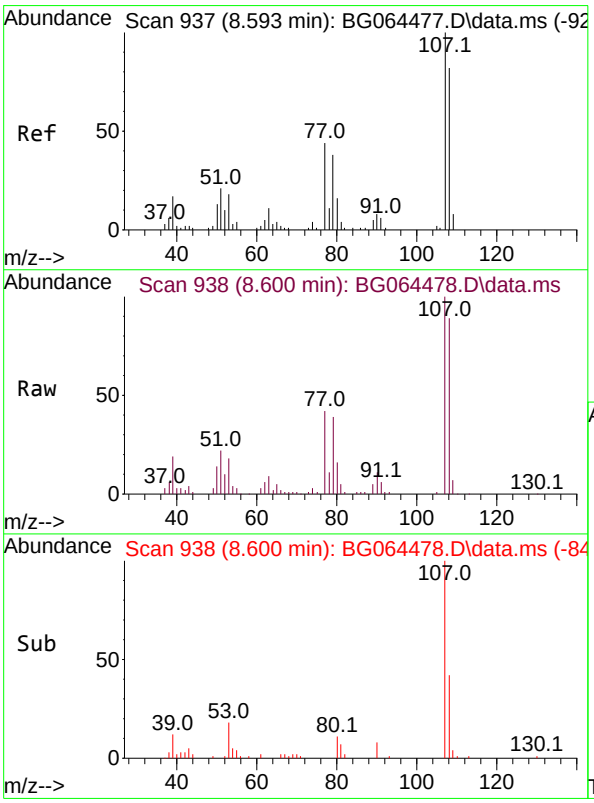
Tgt Ion: 70 Resp: 5723

Ion	Ratio	Lower	Upper
70	100		
42	87.5	64.9	97.3
101	8.3	8.7	13.1#
130	25.1	15.8	23.8#



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

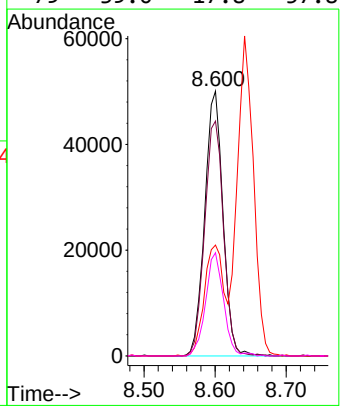
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

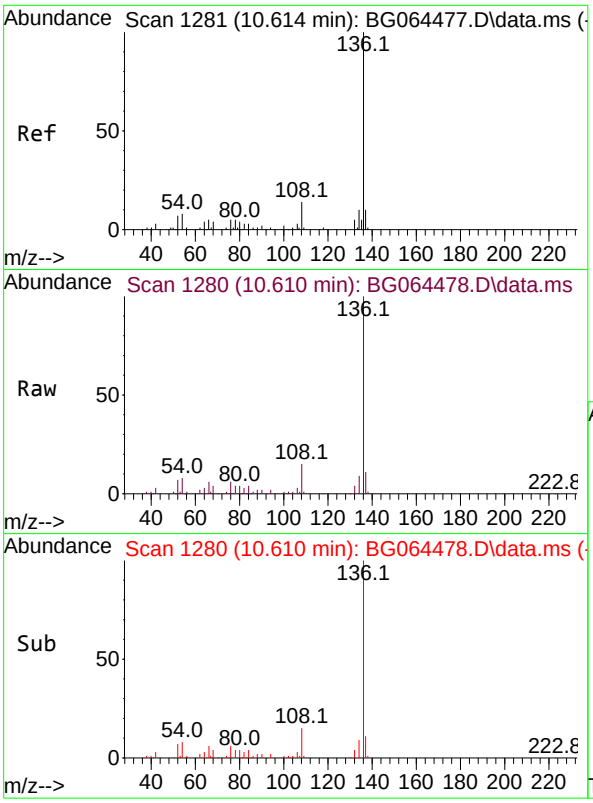


#20
3+4-Methylphenols
Concen: 48.180 ng
RT: 8.600 min Scan# 938
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:107 Resp: 89015

Ion	Ratio	Lower	Upper
107	100		
108	88.7	62.1	102.1
77	41.8	23.5	63.5
79	39.0	17.8	57.8

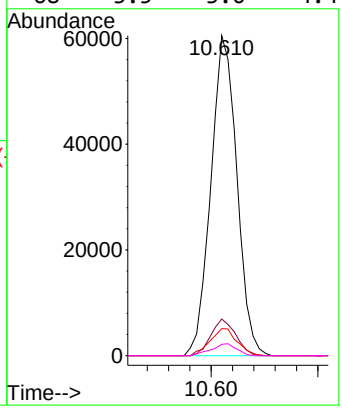




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:136 Resp: 10273

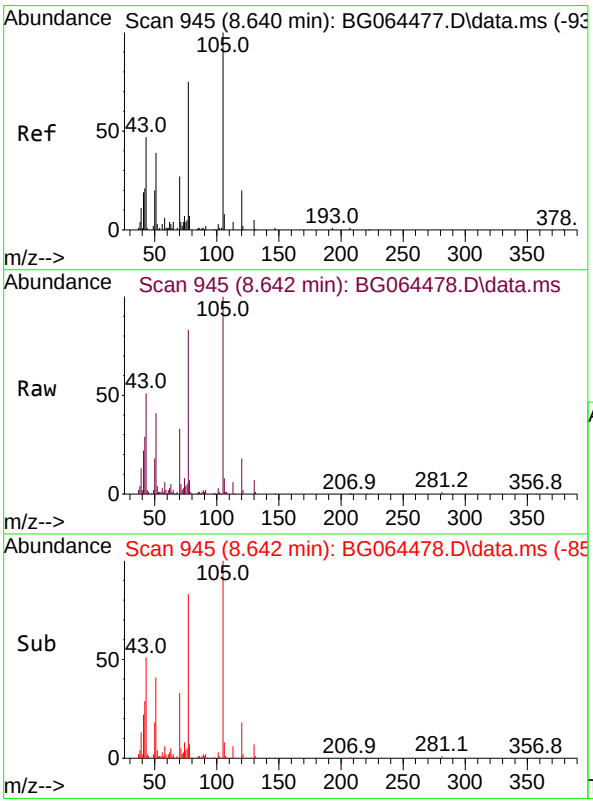
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.3	12.5
54	8.4	6.2	9.4
68	3.5	3.0	4.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

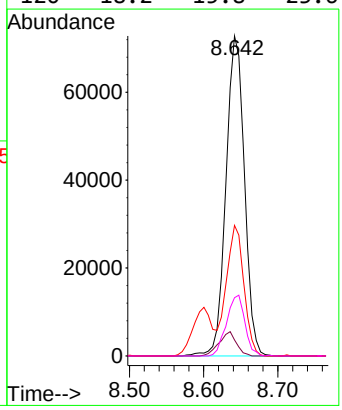
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

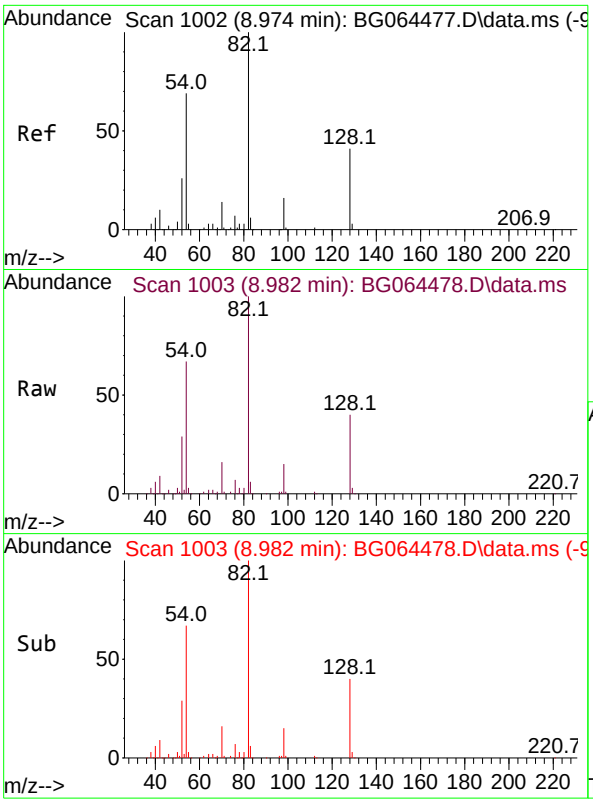


#22
Acetophenone
Concen: 50.649 ng
RT: 8.642 min Scan# 945
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:105 Resp: 125989

Ion	Ratio	Lower	Upper
105	100		
71	5.0	2.8	4.2#
51	40.8	33.0	49.4
120	18.2	15.8	23.6

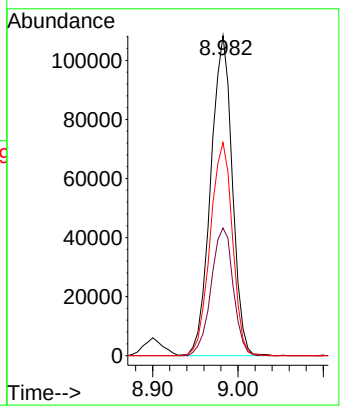




#23
Nitrobenzene-d5
Concen: 99.278 ng
RT: 8.982 min Scan# 1
Delta R.T. 0.016 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 82 Resp: 18968

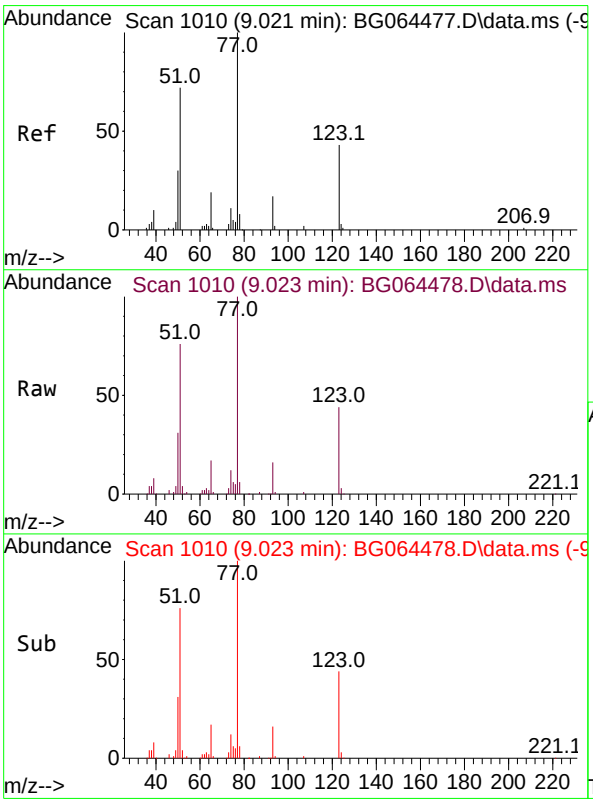
Ion	Ratio	Lower	Upper
82	100		
128	39.9	33.1	49.7
54	66.6	55.4	83.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

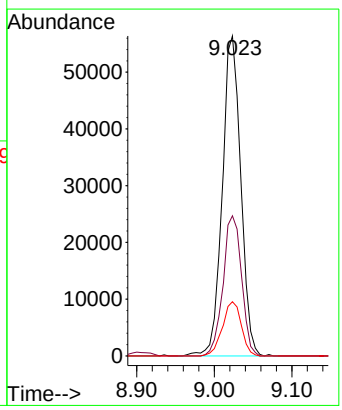
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

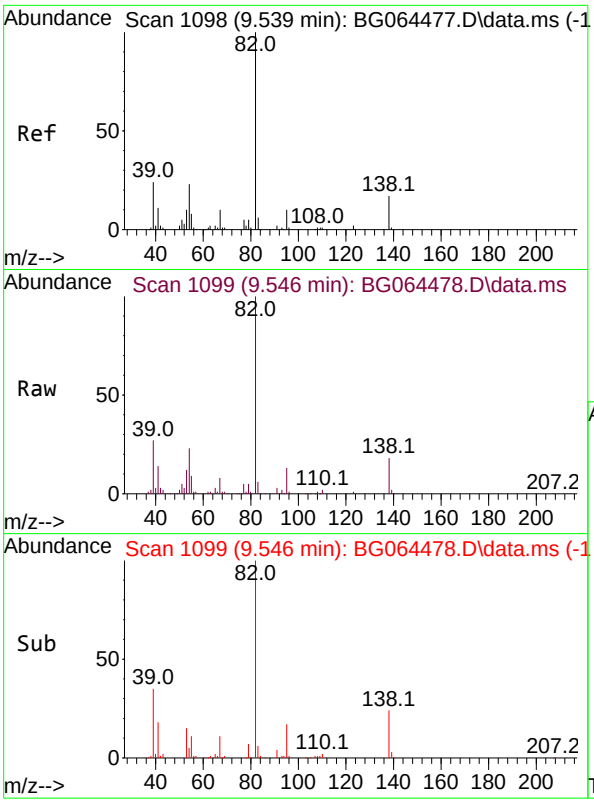


#24
Nitrobenzene
Concen: 49.104 ng
RT: 9.023 min Scan# 1010
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 77 Resp: 93559

Ion	Ratio	Lower	Upper
77	100		
123	43.8	34.4	51.6
65	16.9	14.8	22.2

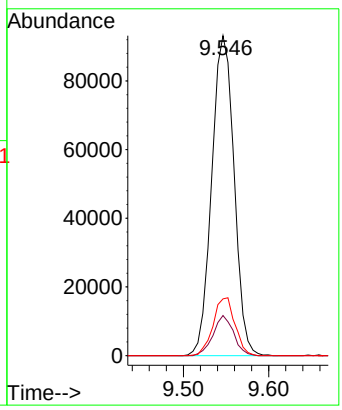




#25
Isophorone
Concen: 48.963 ng
RT: 9.546 min Scan# 1
Delta R.T. 0.016 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 82 Resp: 16947

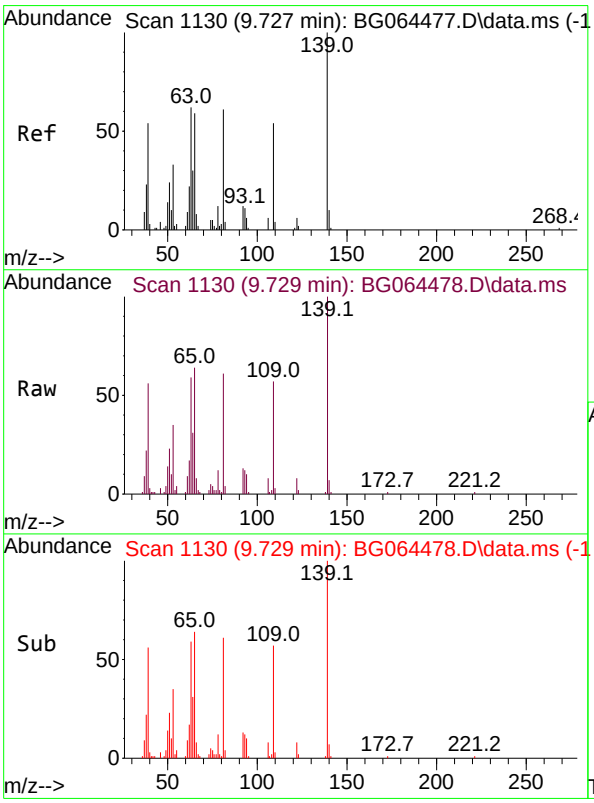
Ion	Ratio	Lower	Upper
82	100		
95	12.5	7.8	11.8#
138	17.7	13.8	20.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

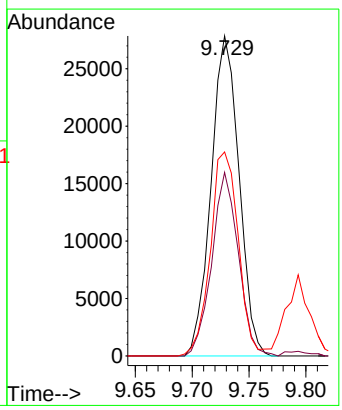
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

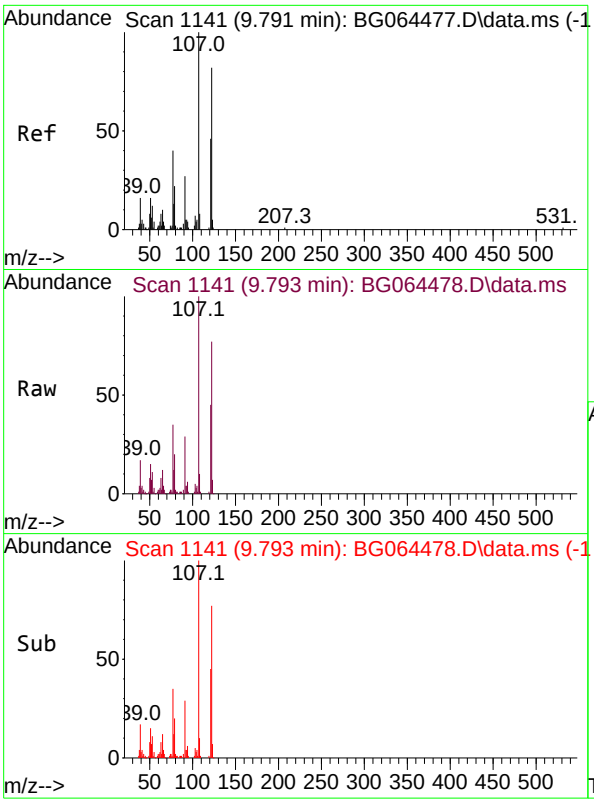


#26
2-Nitrophenol
Concen: 50.130 ng
RT: 9.729 min Scan# 1130
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:139 Resp: 47538

Ion	Ratio	Lower	Upper
139	100		
109	57.3	43.0	64.6
65	63.7	47.4	71.2

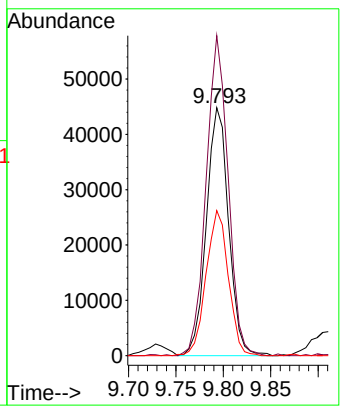




#27
2,4-Dimethylphenol
Concen: 50.454 ng
RT: 9.793 min Scan# 11
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:122 Resp: 7307

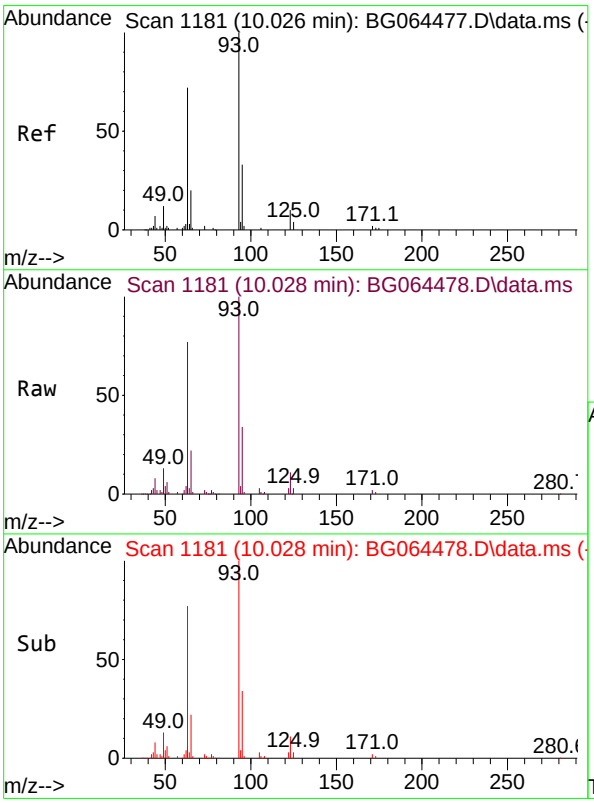
Ion	Ratio	Lower	Upper
122	100		
107	129.1	98.3	147.5
121	58.5	44.7	67.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

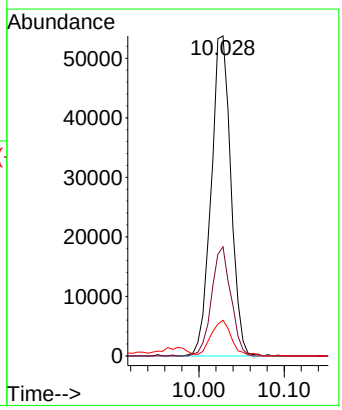
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

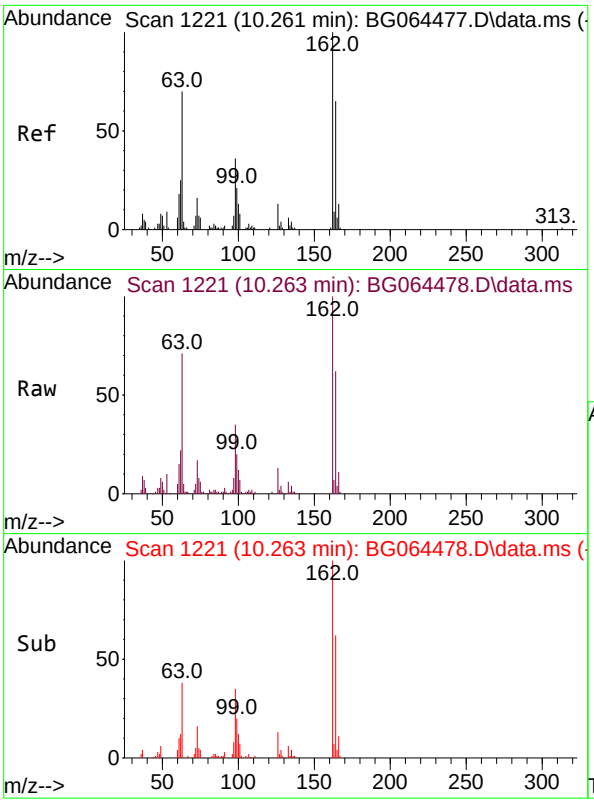


#28
bis(2-Chloroethoxy)methane
Concen: 48.931 ng
RT: 10.028 min Scan# 1181
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 93 Resp: 86333

Ion	Ratio	Lower	Upper
93	100		
95	34.1	26.5	39.7
123	11.1	8.9	13.3

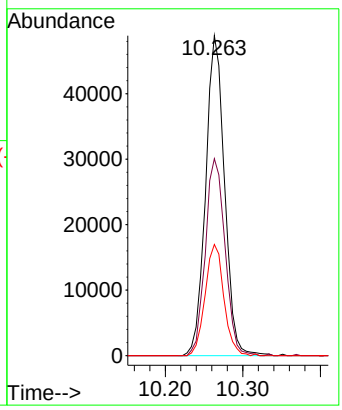




#29
2,4-Dichlorophenol
Concen: 49.435 ng
RT: 10.263 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:162 Resp: 8279

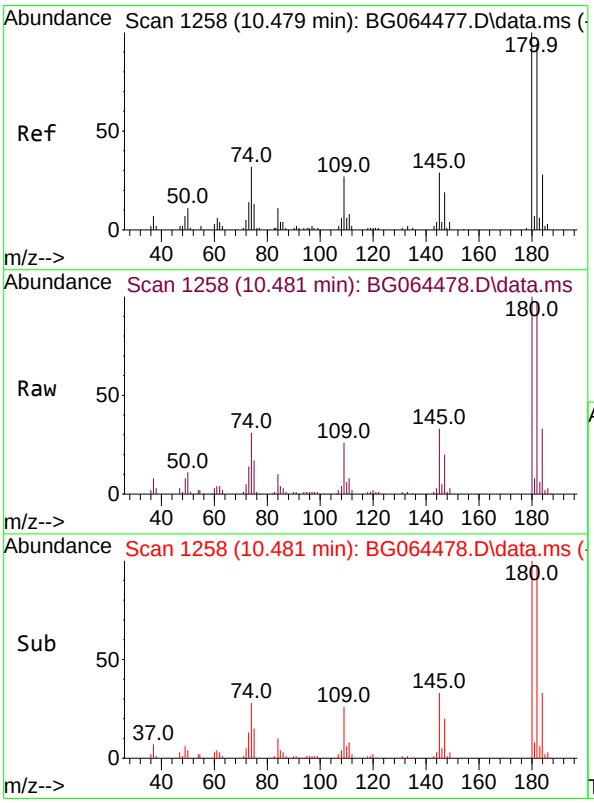
Ion	Ratio	Lower	Upper
162	100		
164	61.5	45.4	85.4
98	34.7	16.4	56.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

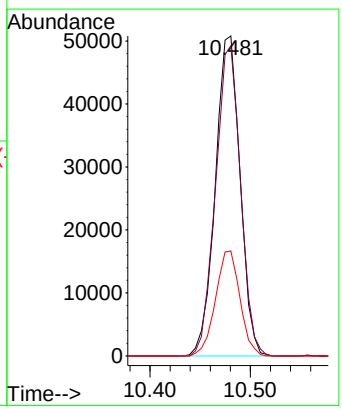
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

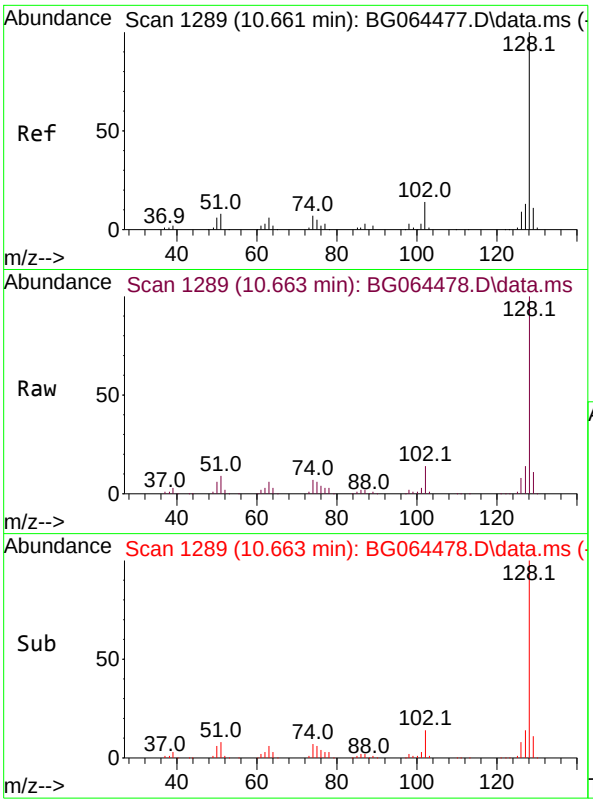


#30
1,2,4-Trichlorobenzene
Concen: 47.734 ng
RT: 10.481 min Scan# 1258
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:180 Resp: 87173

Ion	Ratio	Lower	Upper
180	100		
182	96.9	75.4	113.2
145	32.8	23.2	34.8

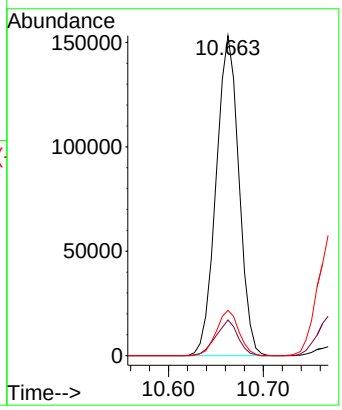




#31
Naphthalene
Concen: 48.286 ng
RT: 10.663 min Scan# 1
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:128 Resp: 25545

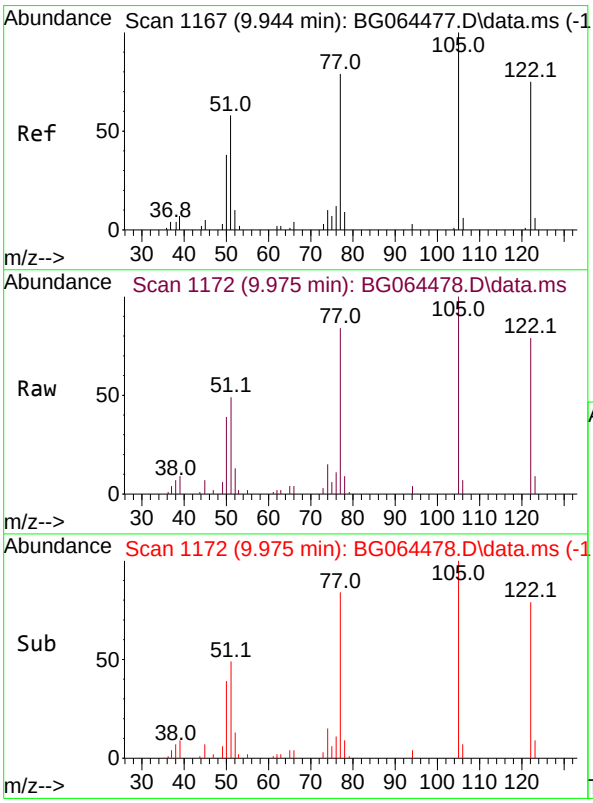
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	14.1	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

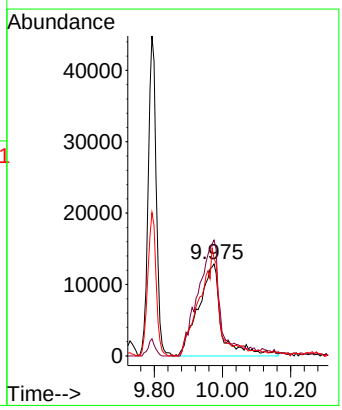
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

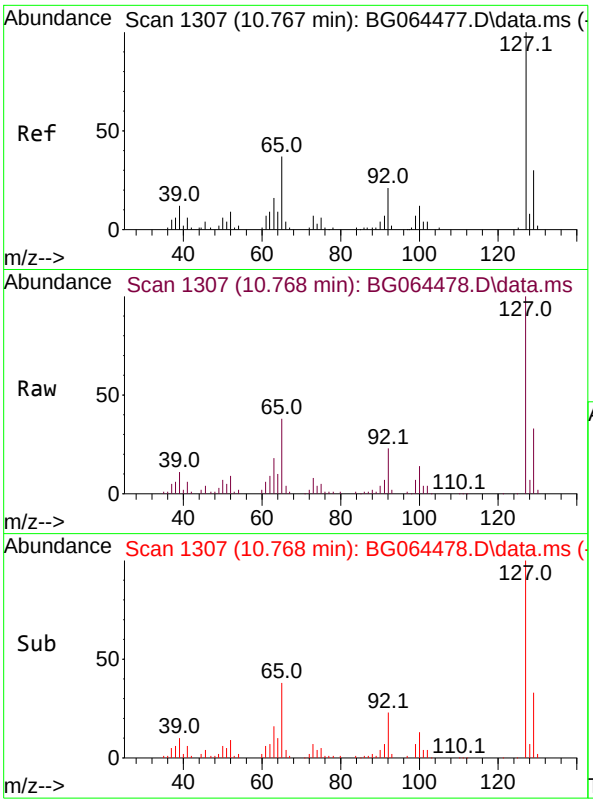


#32
Benzoic acid
Concen: 54.652 ng m
RT: 9.975 min Scan# 1172
Delta R.T. 0.087 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:122 Resp: 60774

Ion	Ratio	Lower	Upper
122	100		
105	125.9	113.9	153.9
77	105.8	86.1	126.1

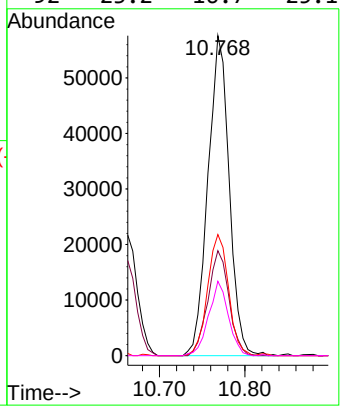




#33
4-Chloroaniline
Concen: 49.113 ng
RT: 10.768 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:127 Resp: 9970

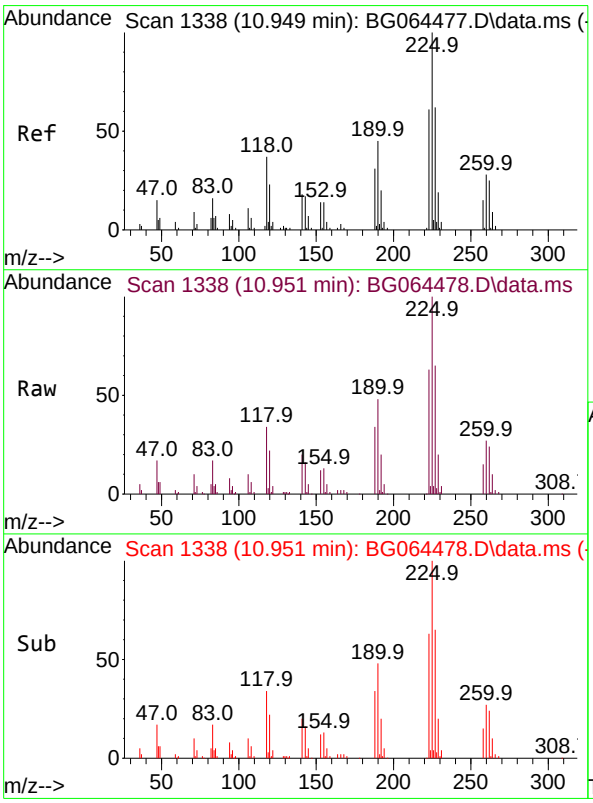
Ion	Ratio	Lower	Upper
127	100		
129	32.8	24.2	36.4
65	37.8	29.6	44.4
92	23.2	16.7	25.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

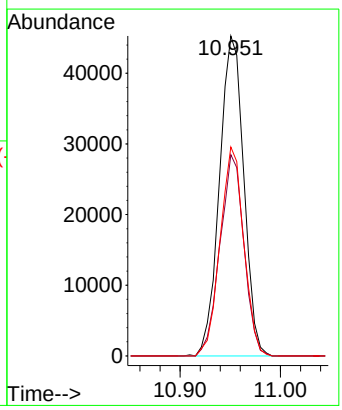
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

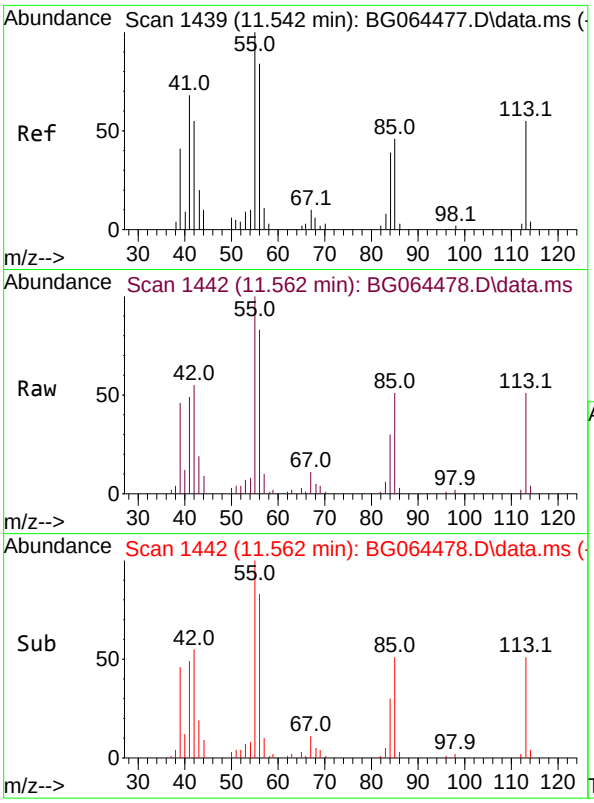


#34
Hexachlorobutadiene
Concen: 48.646 ng
RT: 10.951 min Scan# 1338
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:225 Resp: 76081

Ion	Ratio	Lower	Upper
225	100		
223	62.9	49.0	73.6
227	65.3	49.9	74.9

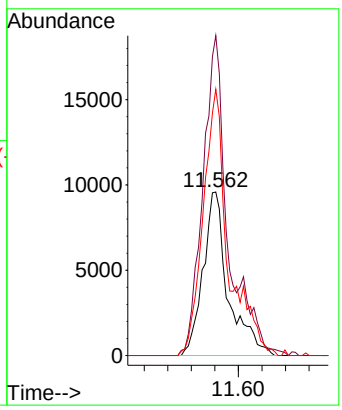




#35
Caprolactam
Concen: 49.561 ng
RT: 11.562 min Scan# 14
Delta R.T. 0.051 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:113 Resp: 2841

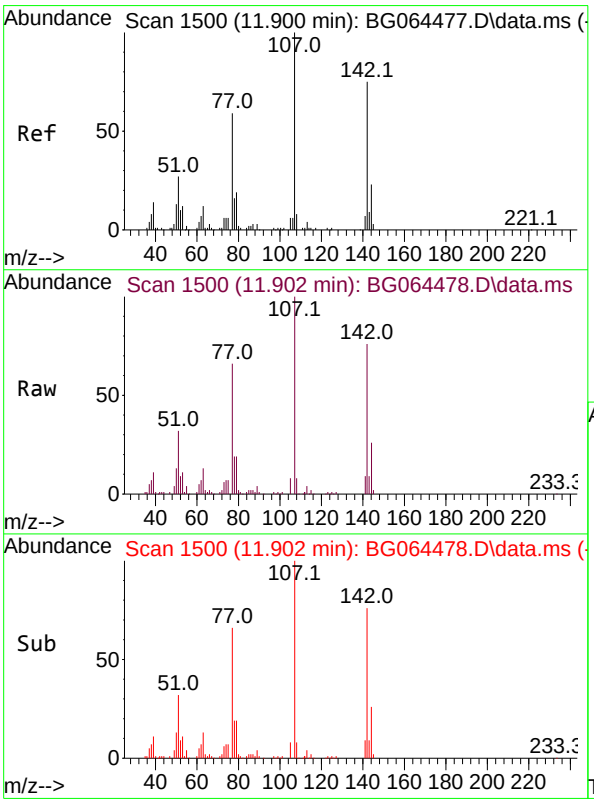
Ion	Ratio	Lower	Upper
113	100		
55	195.6	162.0	202.0
56	162.8	134.6	174.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

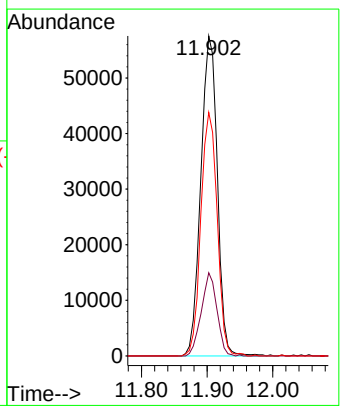
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

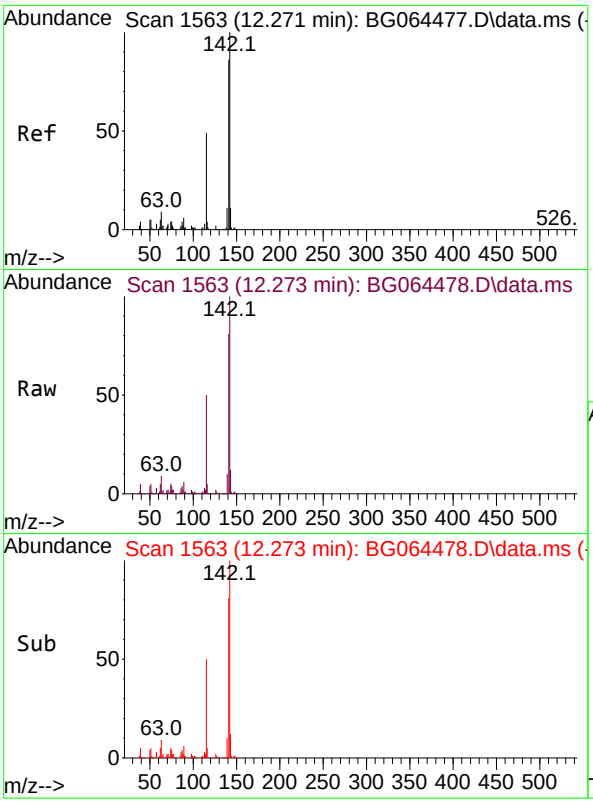


#36
4-Chloro-3-methylphenol
Concen: 49.208 ng
RT: 11.902 min Scan# 1500
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:107 Resp: 100226

Ion	Ratio	Lower	Upper
107	100		
144	26.0	18.7	28.1
142	76.1	60.2	90.2

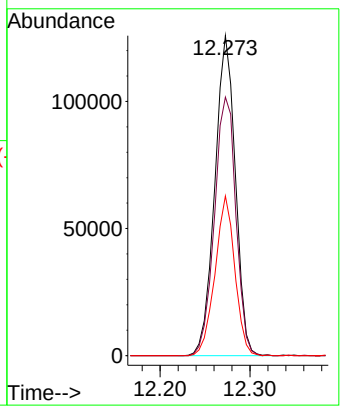




#37
2-Methylnaphthalene
Concen: 49.224 ng
RT: 12.273 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:142 Resp: 199899

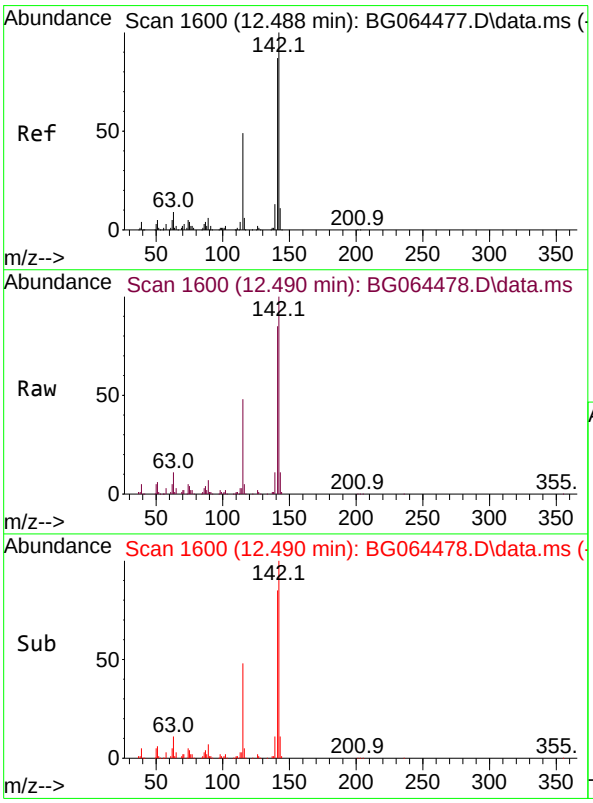
Ion	Ratio	Lower	Upper
142	100		
141	80.8	68.7	103.1
115	49.9	39.3	58.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

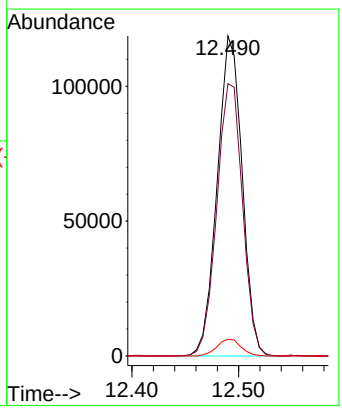
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

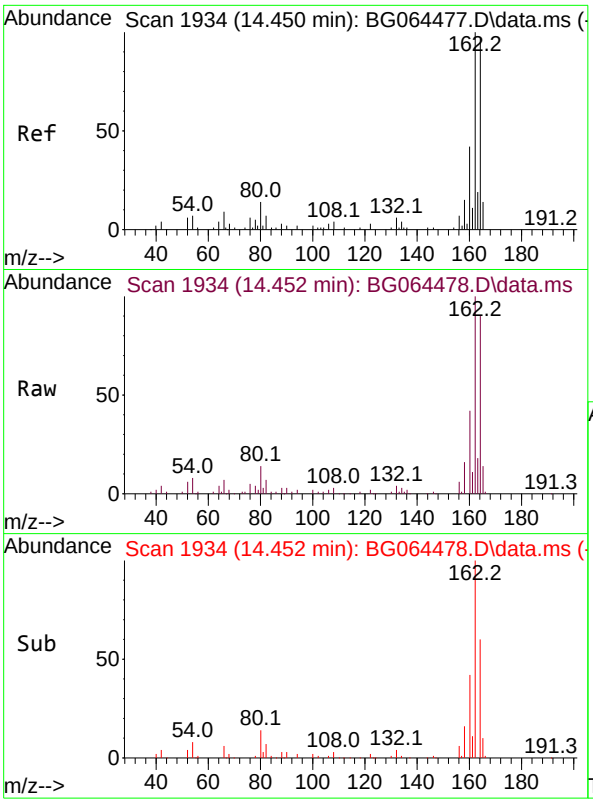


#38
1-Methylnaphthalene
Concen: 47.567 ng
RT: 12.490 min Scan# 1600
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:142 Resp: 192614

Ion	Ratio	Lower	Upper
142	100		
141	85.1	69.8	104.8
116	5.2	4.6	6.8

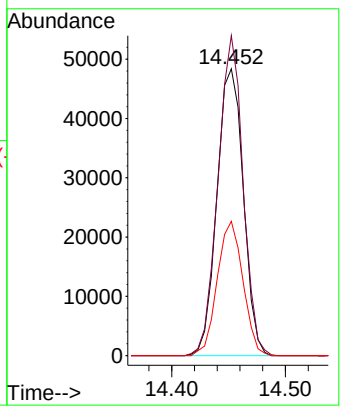




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.452 min Scan# 19
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:164 Resp: 7795

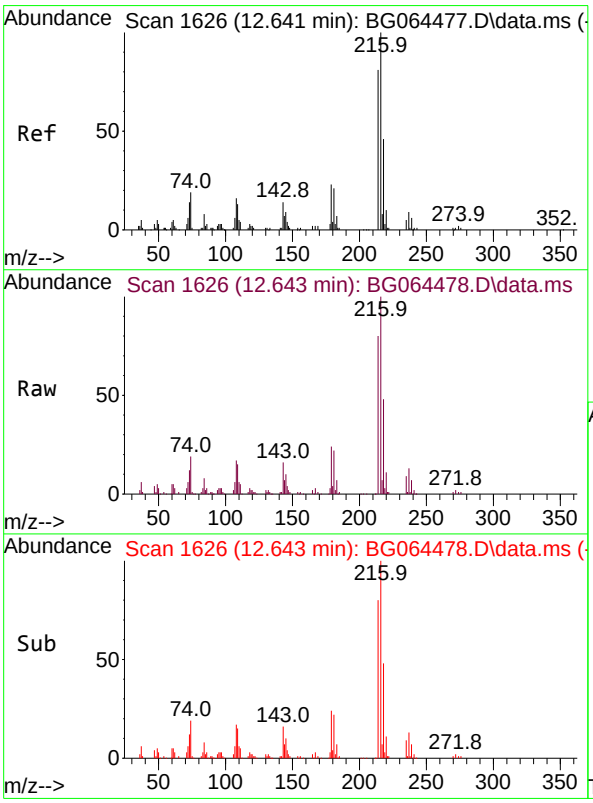
Ion	Ratio	Lower	Upper
164	100		
162	111.6	82.2	123.2
160	46.9	34.3	51.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

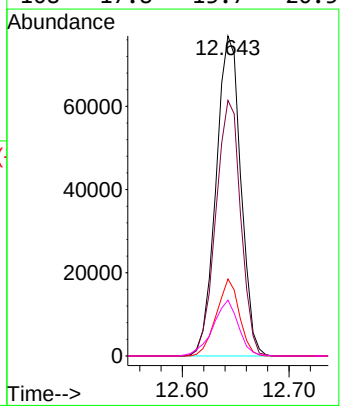
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

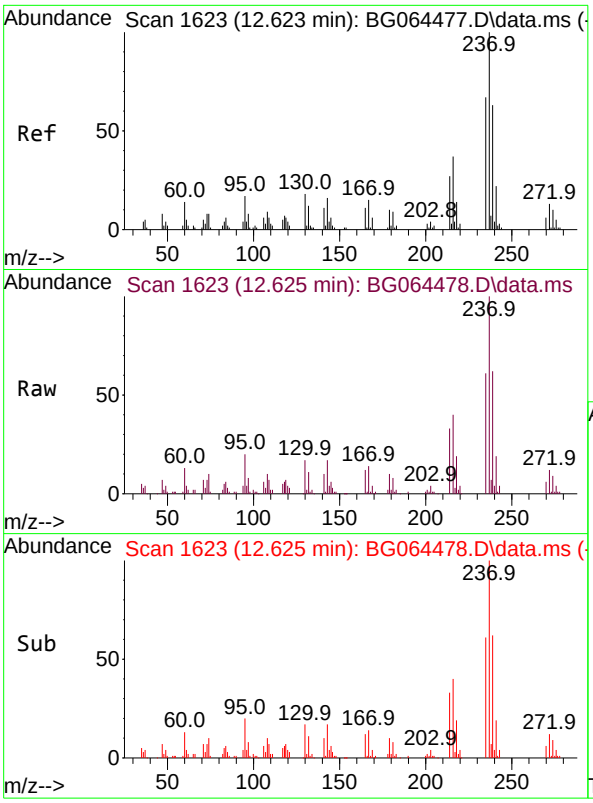


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.525 ng
RT: 12.643 min Scan# 1626
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:216 Resp: 124648

Ion	Ratio	Lower	Upper
216	100		
214	80.0	62.5	93.7
179	22.2	17.0	25.6
108	17.8	13.7	20.5

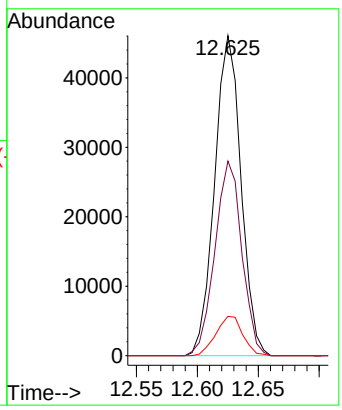




#41
Hexachlorocyclopentadiene
Concen: 52.692 ng
RT: 12.625 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:237 Resp: 6937

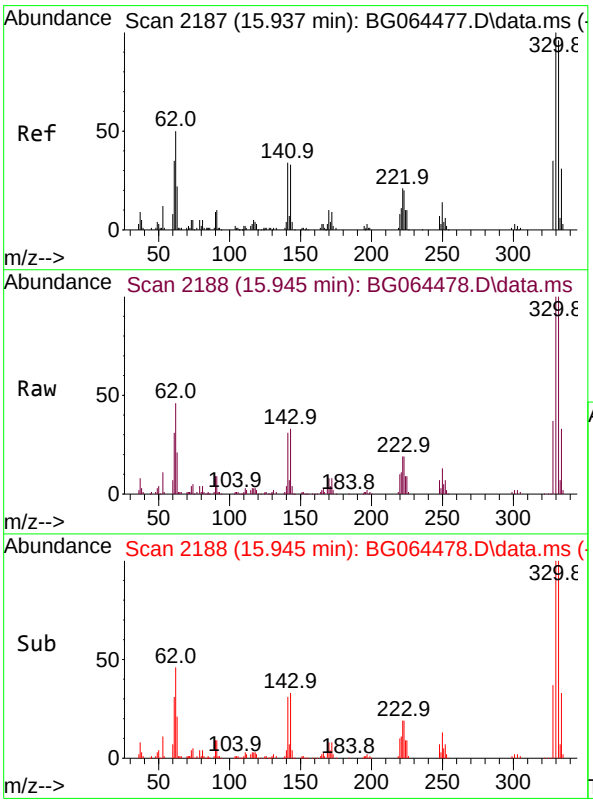
Ion	Ratio	Lower	Upper
237	100		
235	60.8	46.9	86.9
272	12.3	0.0	32.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

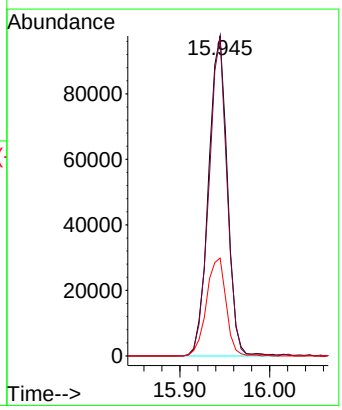
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

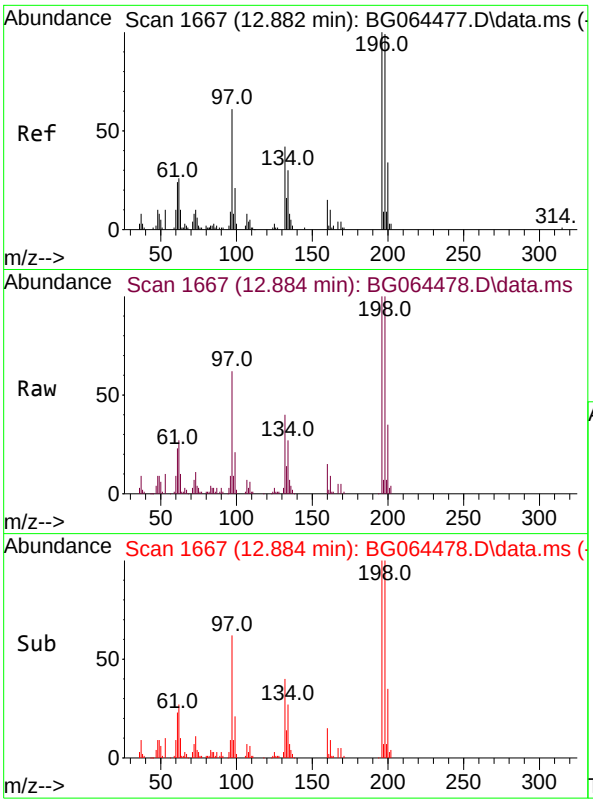


#42
2,4,6-Tribromophenol
Concen: 100.345 ng
RT: 15.945 min Scan# 2188
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:330 Resp: 141783

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.4	116.0
141	31.9	25.8	38.6

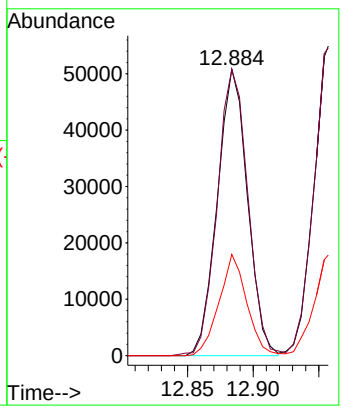




#43
2,4,6-Trichlorophenol
Concen: 50.434 ng
RT: 12.884 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:196 Resp: 8114

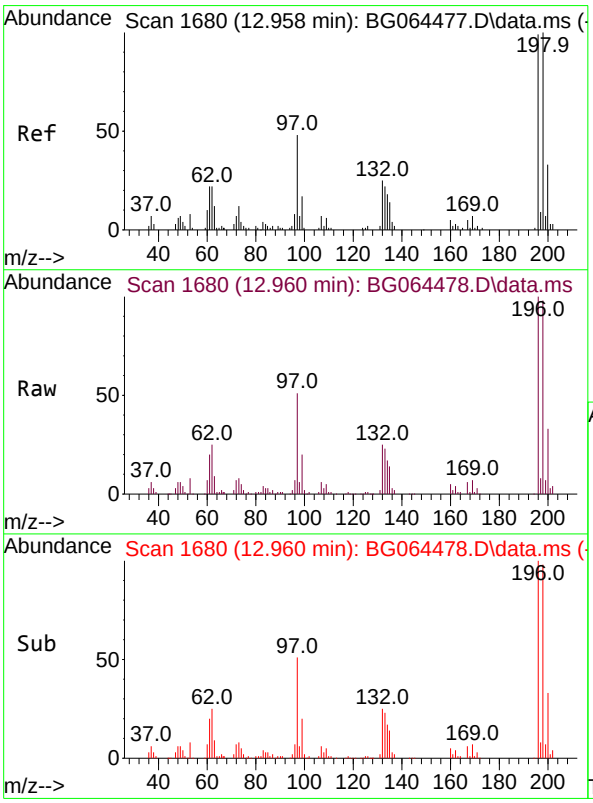
Ion	Ratio	Lower	Upper
196	100		
198	100.0	79.3	118.9
200	35.4	27.4	41.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

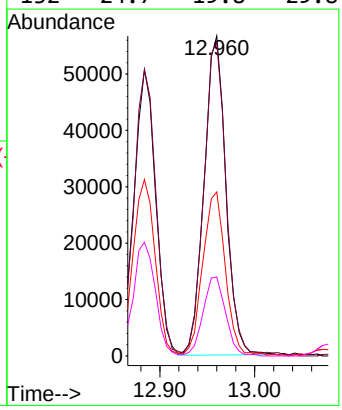
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

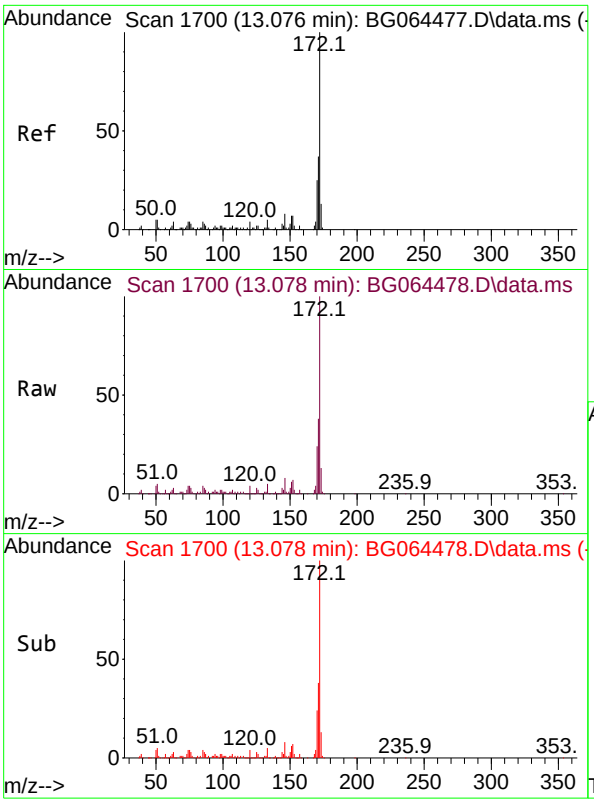


#44
2,4,5-Trichlorophenol
Concen: 50.396 ng
RT: 12.960 min Scan# 1680
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:196 Resp: 90524

Ion	Ratio	Lower	Upper
196	100		
198	98.0	80.3	120.5
97	51.2	39.4	59.0
132	24.7	19.8	29.8

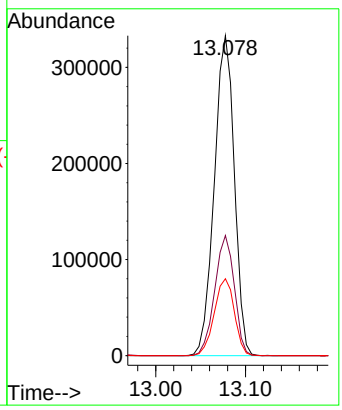




#45
2-Fluorobiphenyl
Concen: 97.676 ng
RT: 13.078 min Scan# 1
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:172 Resp: 516540

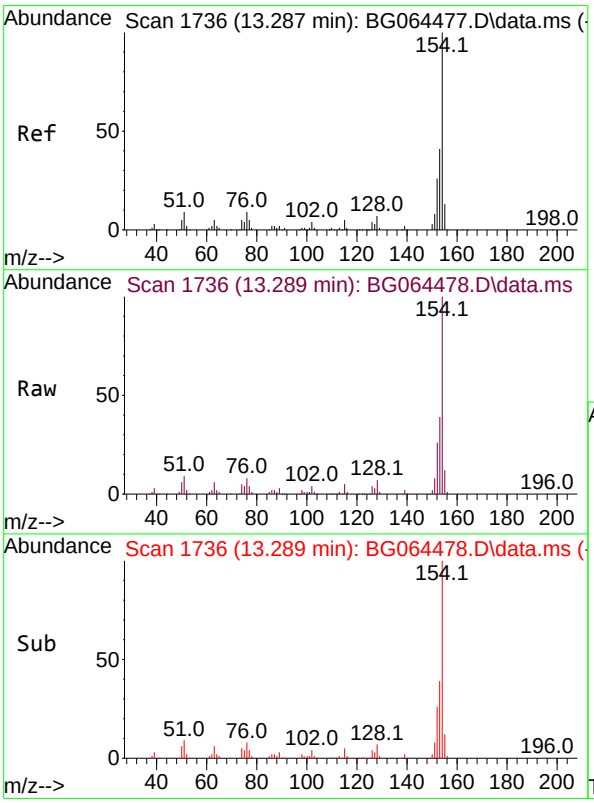
Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.6	44.4
170	24.0	20.2	30.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

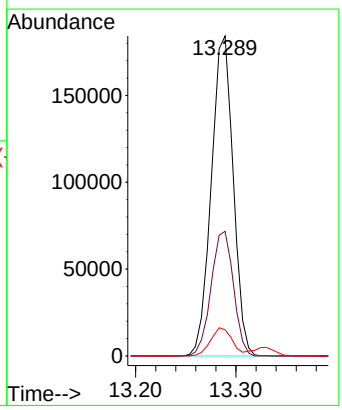
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

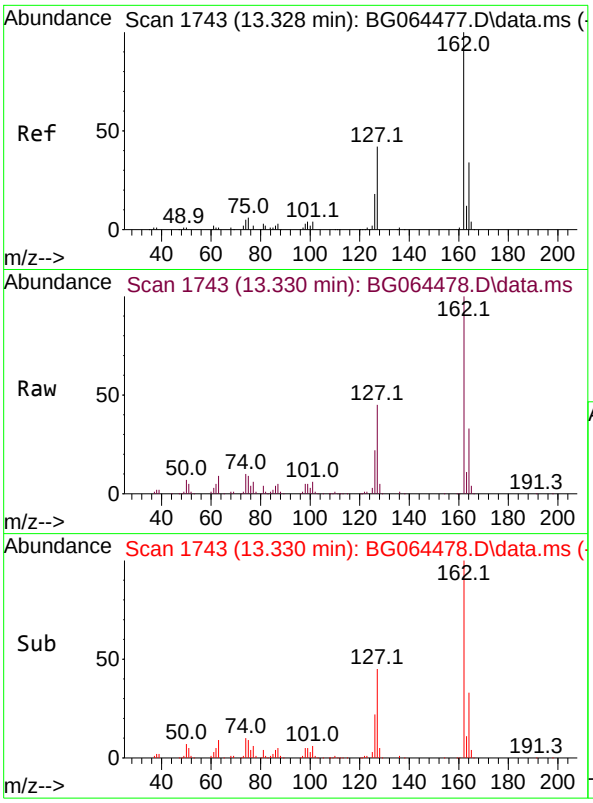


#46
1,1'-Biphenyl
Concen: 49.860 ng
RT: 13.289 min Scan# 1736
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:154 Resp: 279537

Ion	Ratio	Lower	Upper
154	100		
153	38.9	20.7	60.7
76	8.2	0.0	29.3

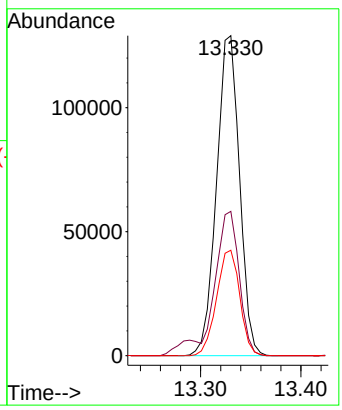




#47
2-Chloronaphthalene
Concen: 49.166 ng
RT: 13.330 min Scan# 1
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:162 Resp: 20580

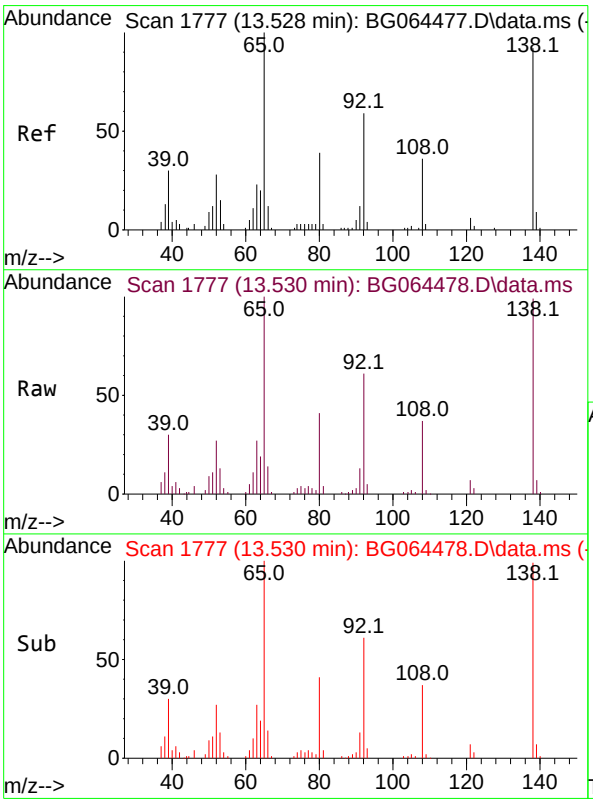
Ion	Ratio	Lower	Upper
162	100		
127	45.1	35.8	53.8
164	32.9	27.2	40.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

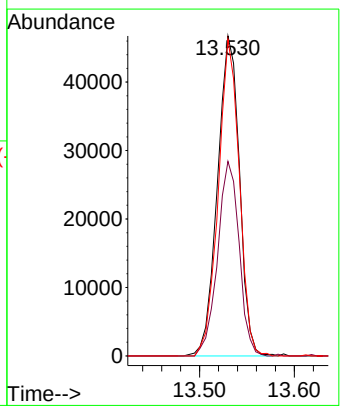
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

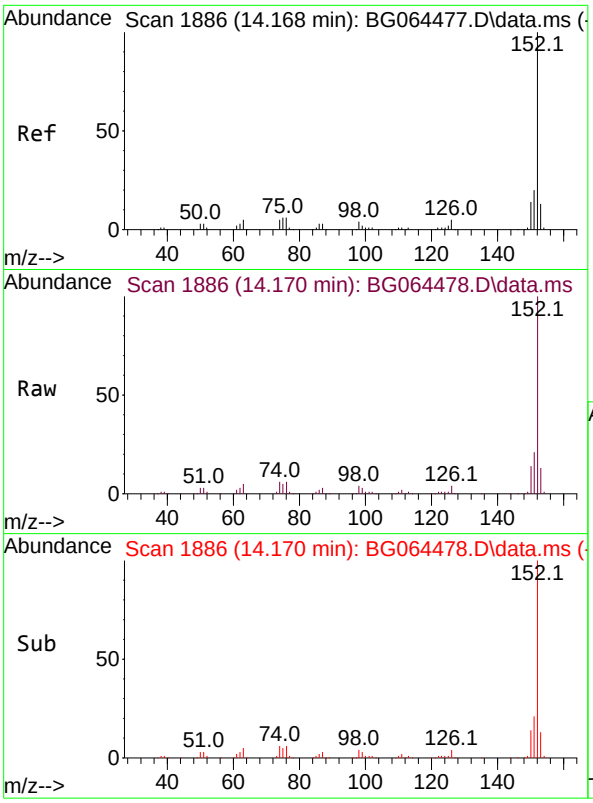


#48
2-Nitroaniline
Concen: 52.594 ng
RT: 13.530 min Scan# 1777
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 65 Resp: 75138

Ion	Ratio	Lower	Upper
65	100		
92	60.8	47.0	70.6
138	98.9	73.5	110.3

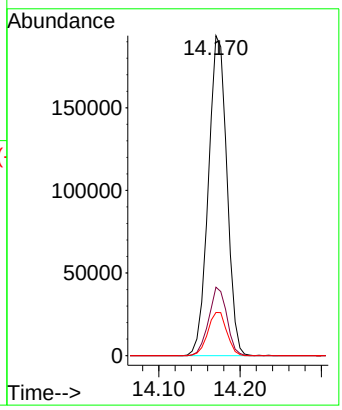




#49
Acenaphthylene
Concen: 49.365 ng
RT: 14.170 min Scan# 18
Delta R.T. -0.002 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:152 Resp: 30674

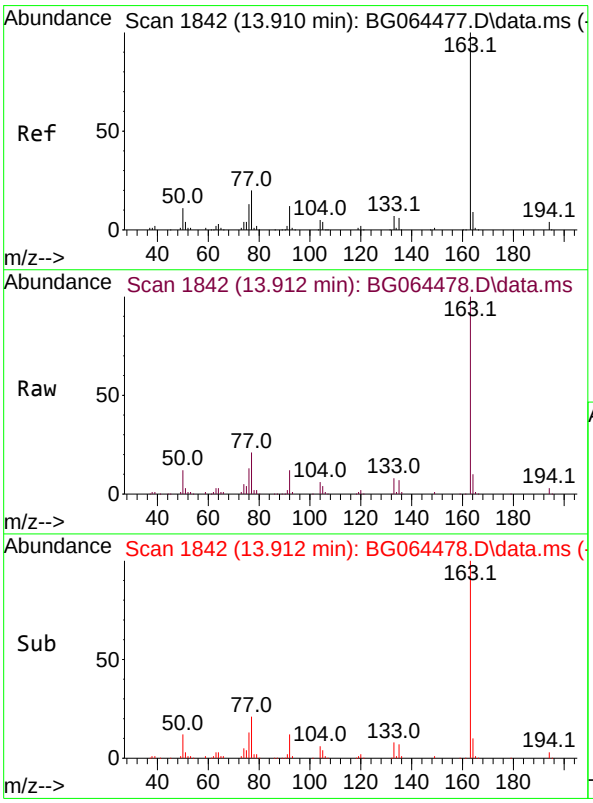
Ion	Ratio	Lower	Upper
152	100		
151	21.4	15.8	23.6
153	13.5	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

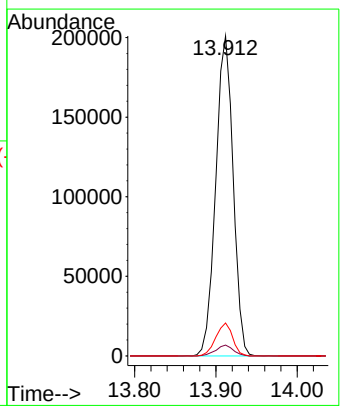
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

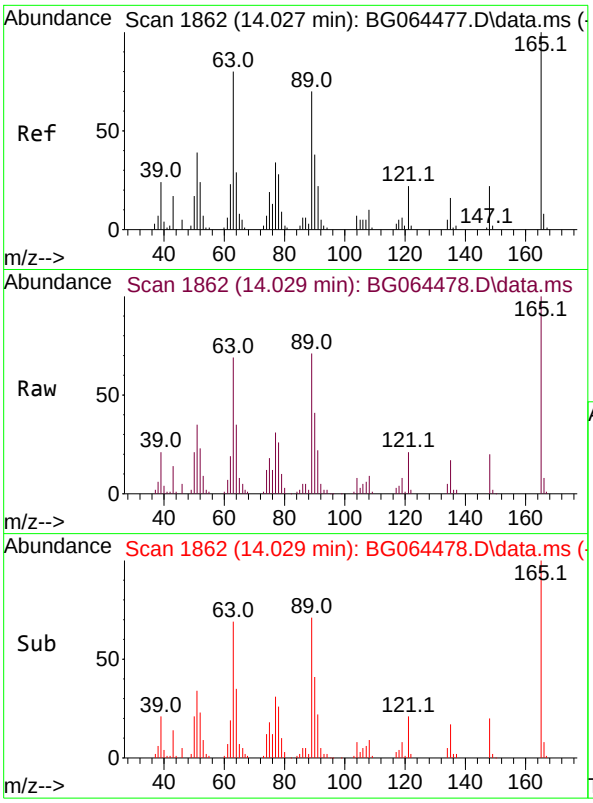


#50
Dimethylphthalate
Concen: 48.884 ng
RT: 13.912 min Scan# 1842
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:163 Resp: 298441

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.9	4.3
164	10.3	7.4	11.0

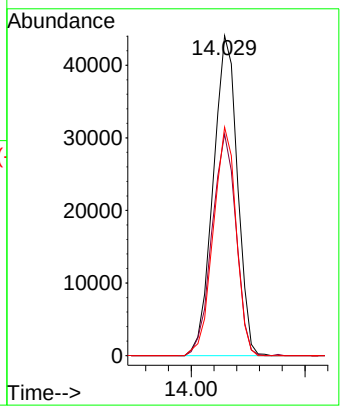




#51
2,6-Dinitrotoluene
Concen: 51.087 ng
RT: 14.029 min Scan# 18
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:165 Resp: 6497

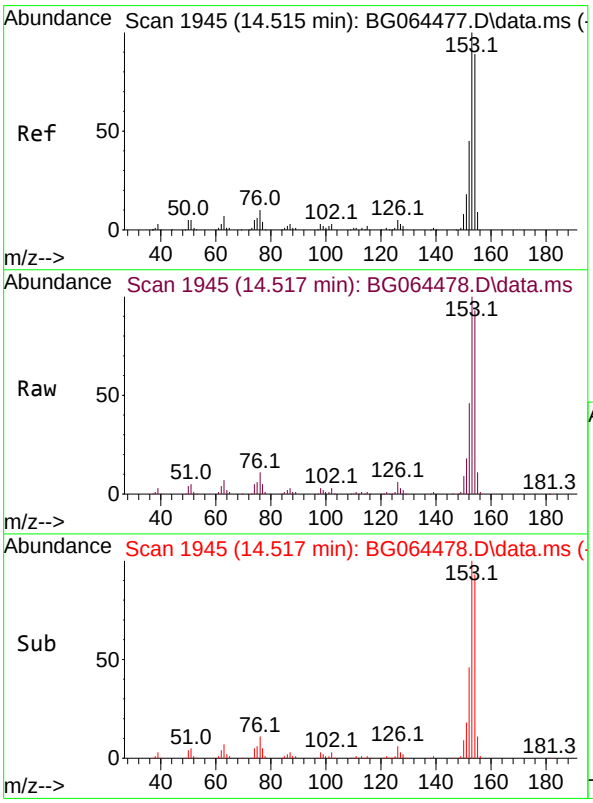
Ion	Ratio	Lower	Upper
165	100		
63	69.2	63.9	95.9
89	71.4	56.1	84.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

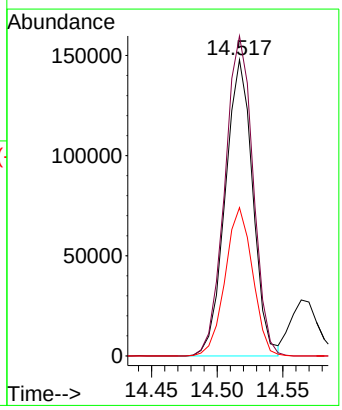
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

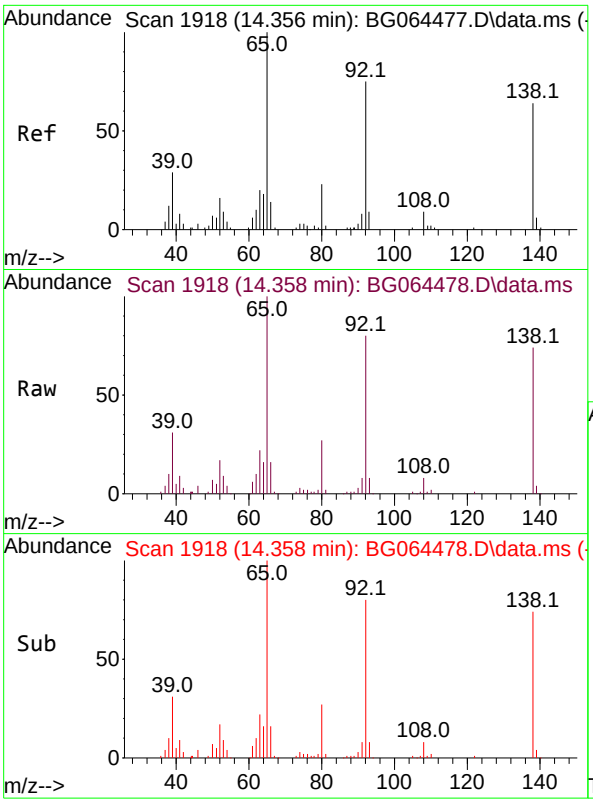


#52
Acenaphthene
Concen: 49.943 ng
RT: 14.517 min Scan# 1945
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:154 Resp: 215606

Ion	Ratio	Lower	Upper
154	100		
153	108.1	90.2	135.4
152	50.1	40.2	60.4

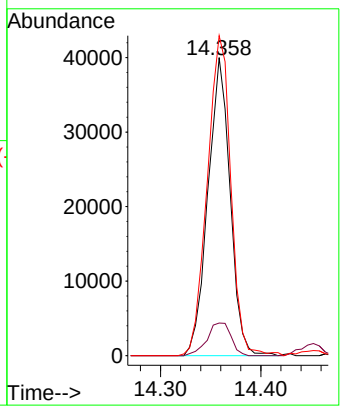




#53
3-Nitroaniline
Concen: 52.305 ng
RT: 14.358 min Scan# 19
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:138 Resp: 6134

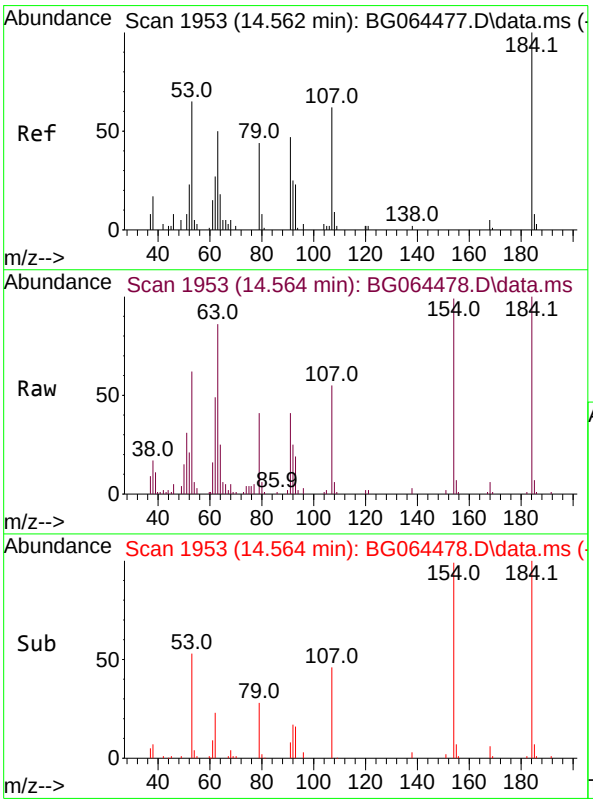
Ion	Ratio	Lower	Upper
138	100		
108	10.9	10.6	15.8
92	107.4	93.2	139.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

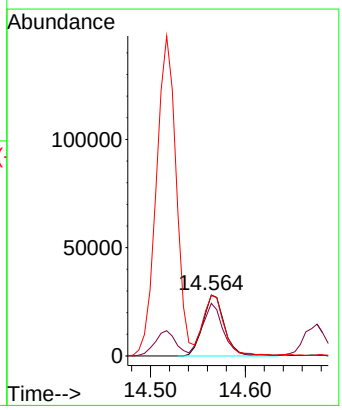
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

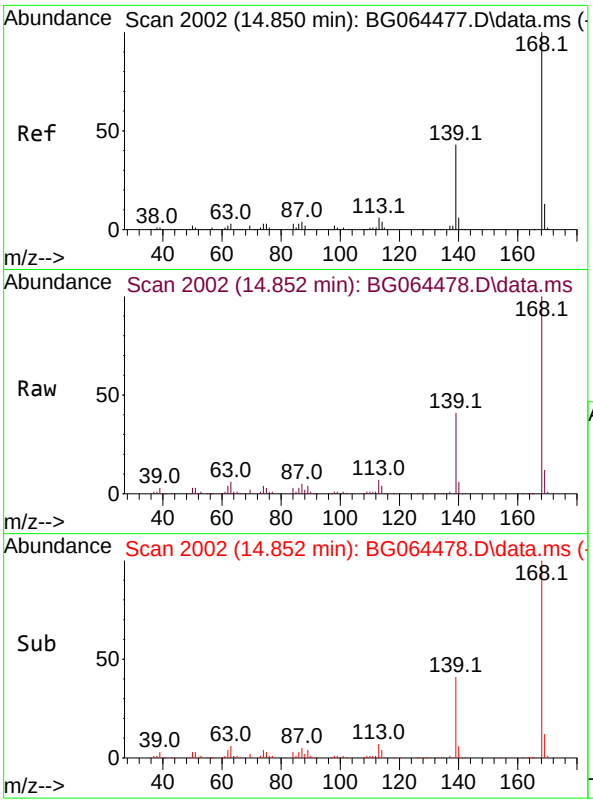


#54
2,4-Dinitrophenol
Concen: 48.222 ng
RT: 14.564 min Scan# 1953
Delta R.T. -0.002 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:184 Resp: 44469

Ion	Ratio	Lower	Upper
184	100		
63	86.4	69.0	103.4
154	99.3	95.6	143.4

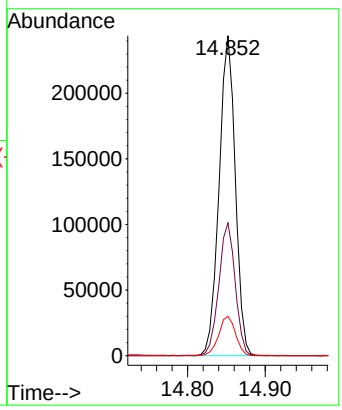




#55
Dibenzofuran
Concen: 49.793 ng
RT: 14.852 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:168 Resp: 35492

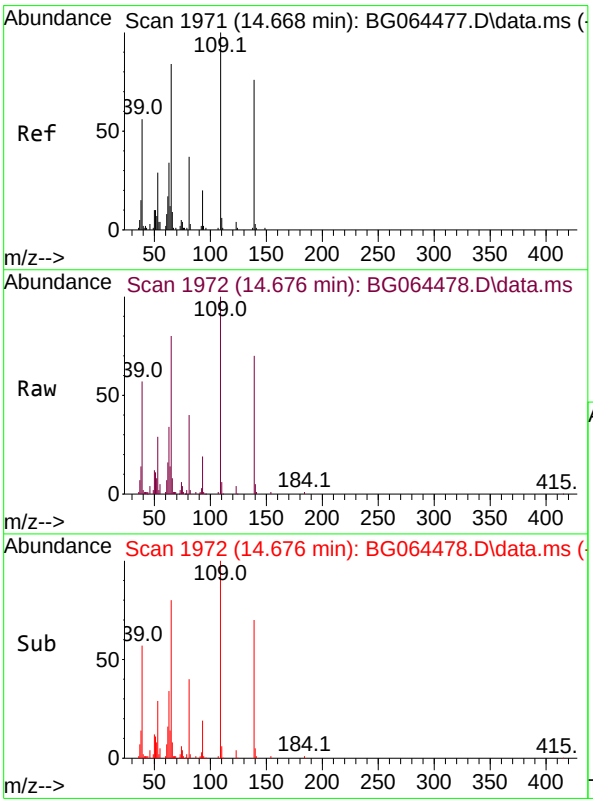
Ion	Ratio	Lower	Upper
168	100		
139	41.5	34.0	51.0
169	12.3	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

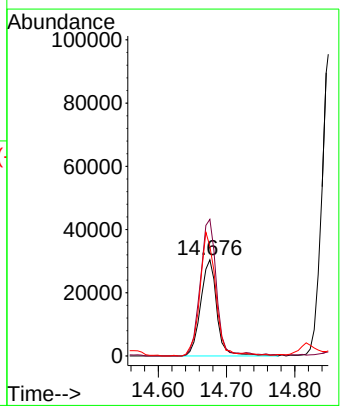
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

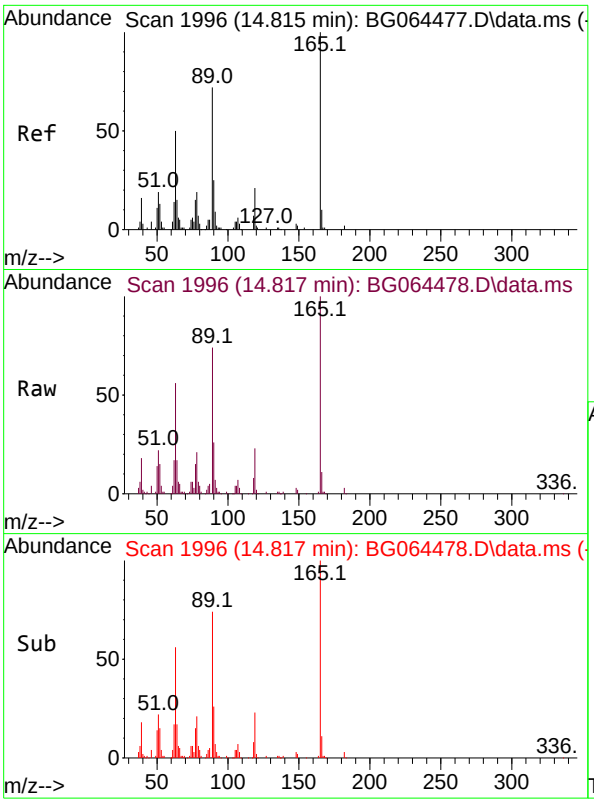


#56
4-Nitrophenol
Concen: 54.092 ng
RT: 14.676 min Scan# 1972
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:139 Resp: 49950

Ion	Ratio	Lower	Upper
139	100		
109	142.0	111.8	151.8
65	113.8	91.1	131.1

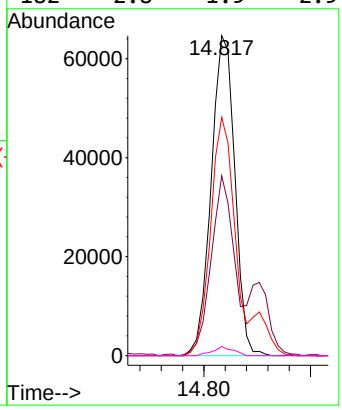




#57
2,4-Dinitrotoluene
Concen: 51.401 ng
RT: 14.817 min Scan# 19
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:165 Resp: 9993

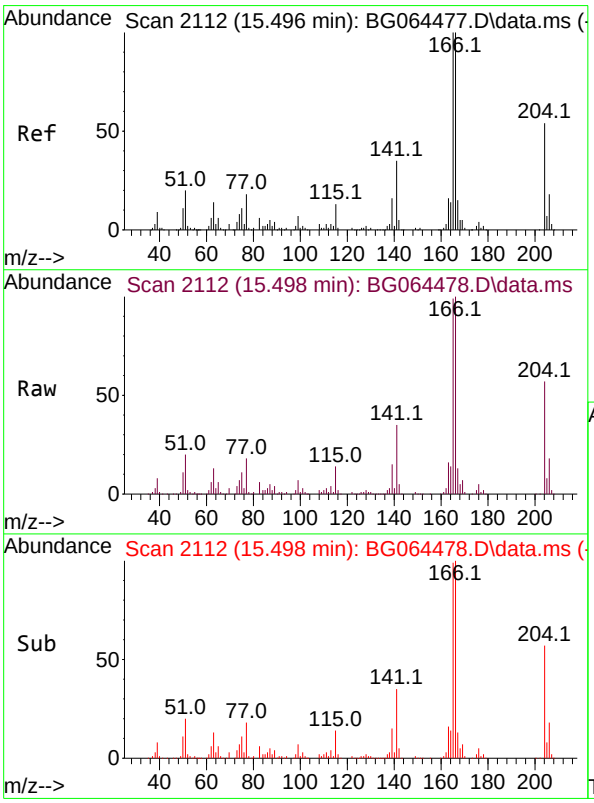
Ion	Ratio	Lower	Upper
165	100		
63	56.2	40.4	60.6
89	74.4	57.3	85.9
182	2.8	1.9	2.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

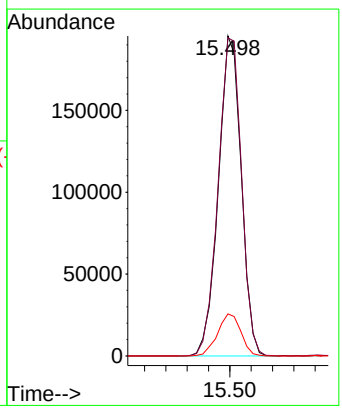
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

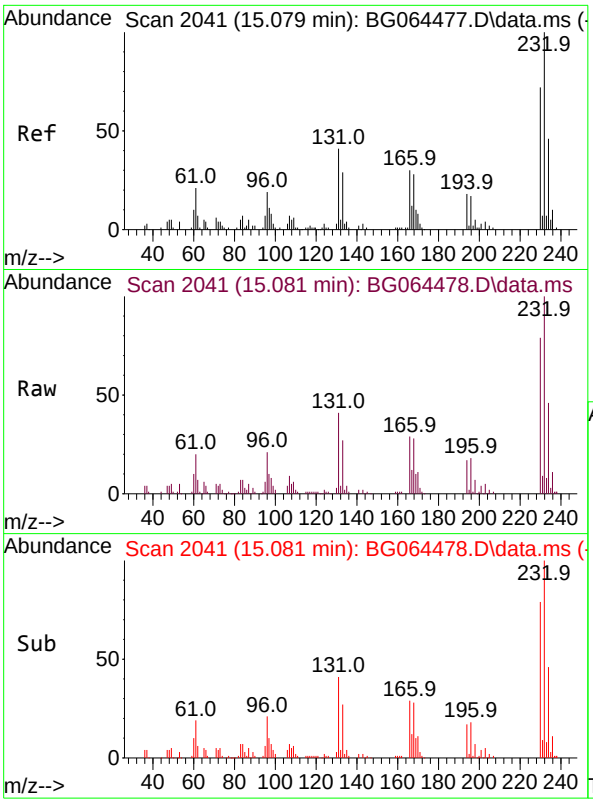


#58
Fluorene
Concen: 48.945 ng
RT: 15.498 min Scan# 2112
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:166 Resp: 290041

Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.8	119.6
167	13.2	11.7	17.5

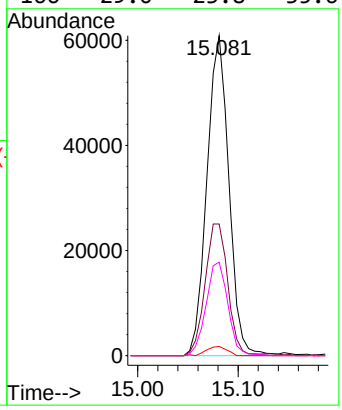




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.511 ng
RT: 15.081 min Scan# 20
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:232 Resp: 9259

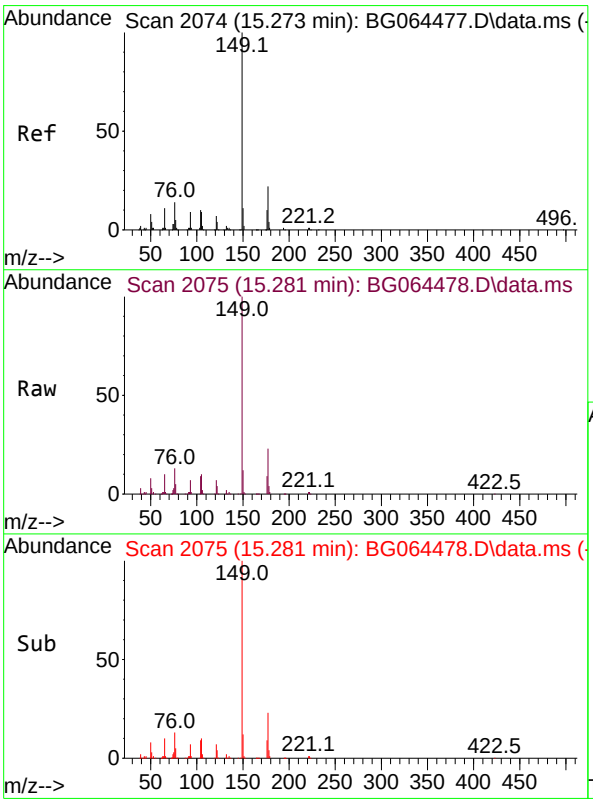
Ion	Ratio	Lower	Upper
232	100		
131	42.5	35.0	52.4
130	2.7	2.0	3.0
166	29.0	23.8	35.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

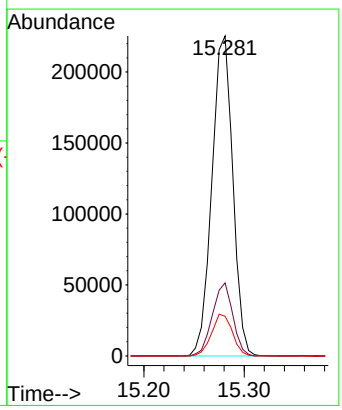
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

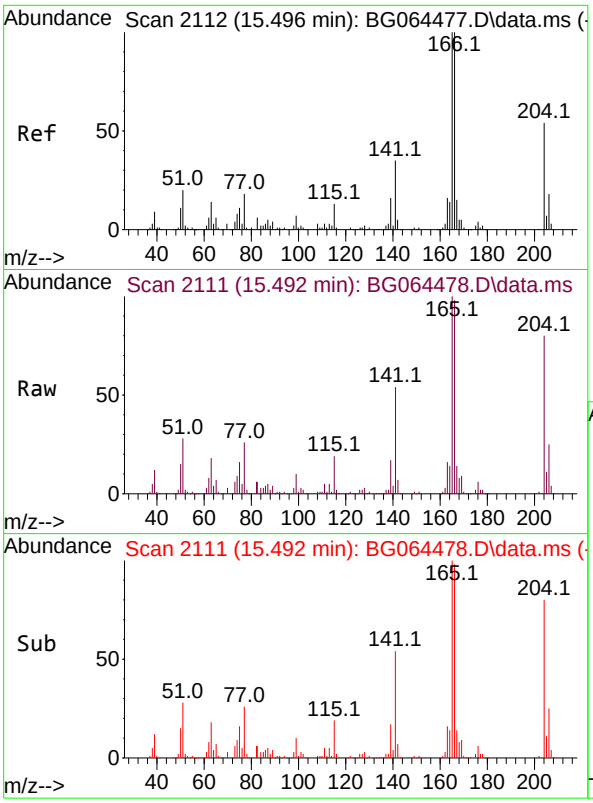


#60
Diethylphthalate
Concen: 49.833 ng
RT: 15.281 min Scan# 2075
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:149 Resp: 326367

Ion	Ratio	Lower	Upper
149	100		
177	22.8	17.4	26.0
150	12.4	9.1	13.7

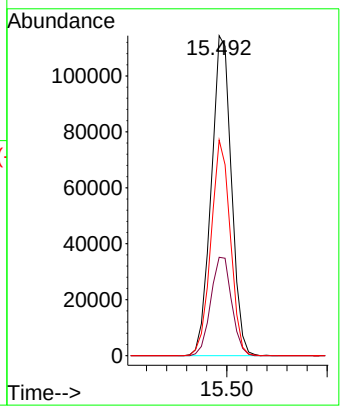




#61
4-Chlorophenyl-phenylether
Concen: 49.191 ng
RT: 15.492 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:204 Resp: 15914

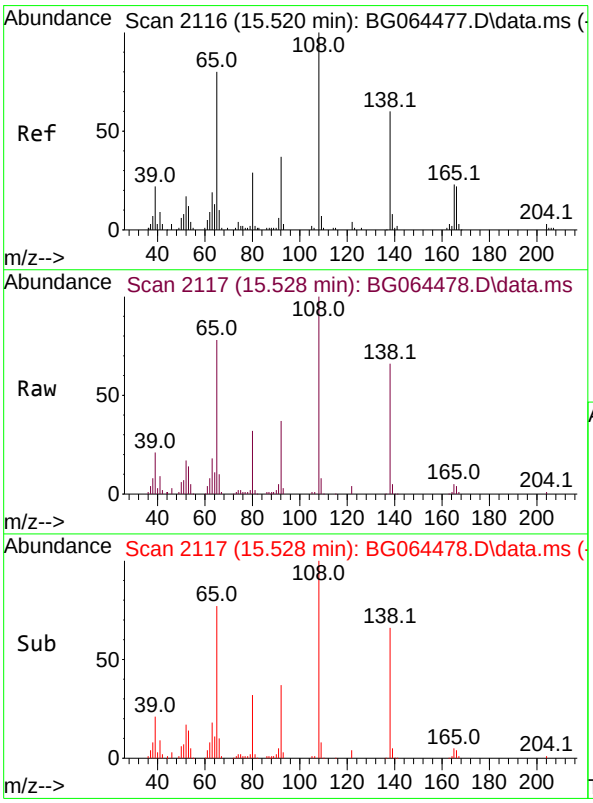
Ion	Ratio	Lower	Upper
204	100		
206	30.7	27.1	40.7
141	67.4	51.5	77.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

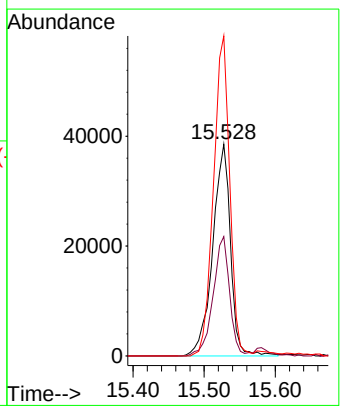
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

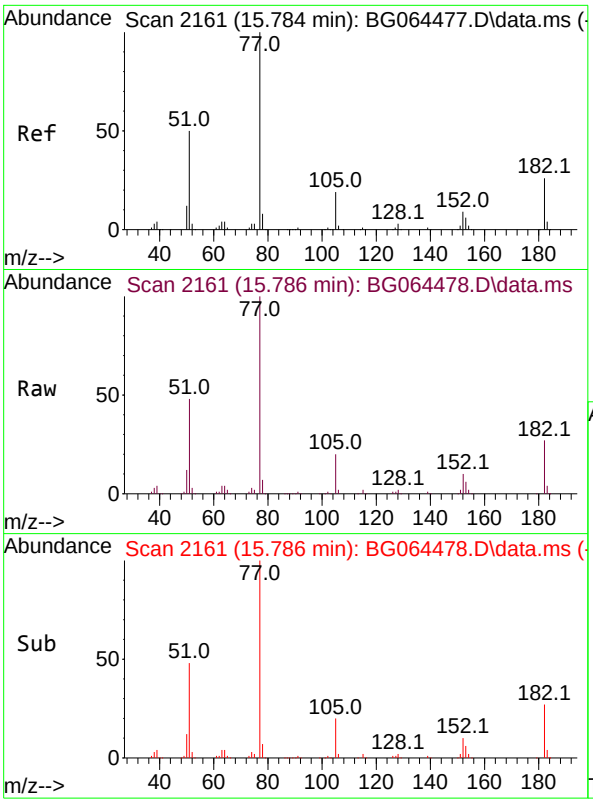


#62
4-Nitroaniline
Concen: 55.050 ng
RT: 15.528 min Scan# 2117
Delta R.T. 0.016 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:138 Resp: 67296

Ion	Ratio	Lower	Upper
138	100		
92	56.4	42.3	82.3
108	151.2	147.7	187.7

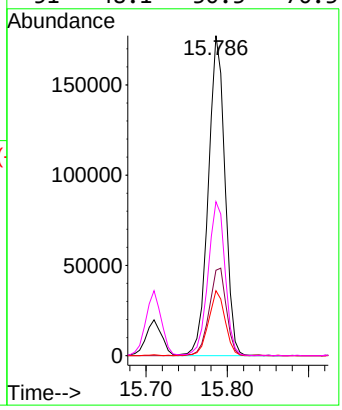




#63
Azobenzene
Concen: 49.764 ng
RT: 15.786 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 77 Resp: 252408

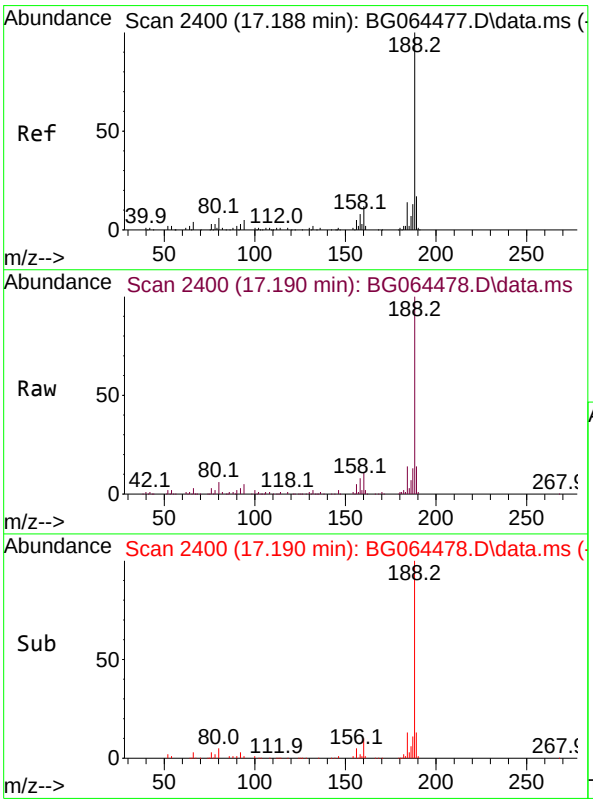
Ion	Ratio	Lower	Upper
77	100		
182	26.7	6.3	46.3
105	20.3	0.0	38.7
51	48.1	30.3	70.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

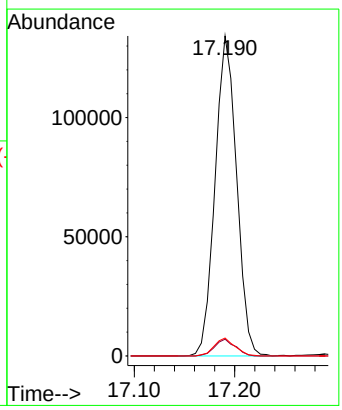
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

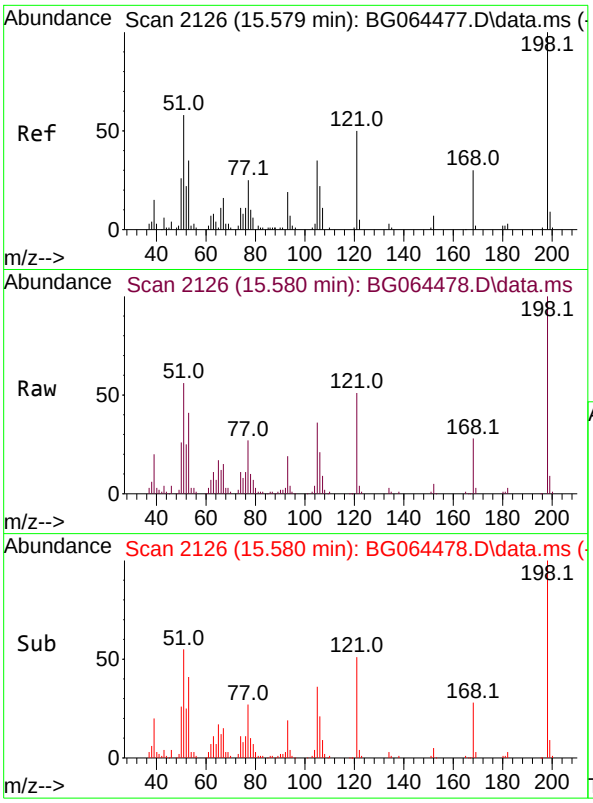


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.190 min Scan# 2400
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:188 Resp: 200361

Ion	Ratio	Lower	Upper
188	100		
94	5.2	3.7	5.5
80	5.6	4.5	6.7

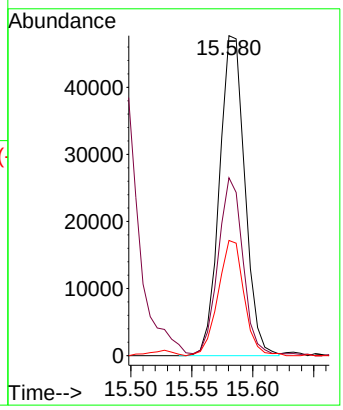




#65
4,6-Dinitro-2-methylphenol
Concen: 49.467 ng
RT: 15.580 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:198 Resp: 6900

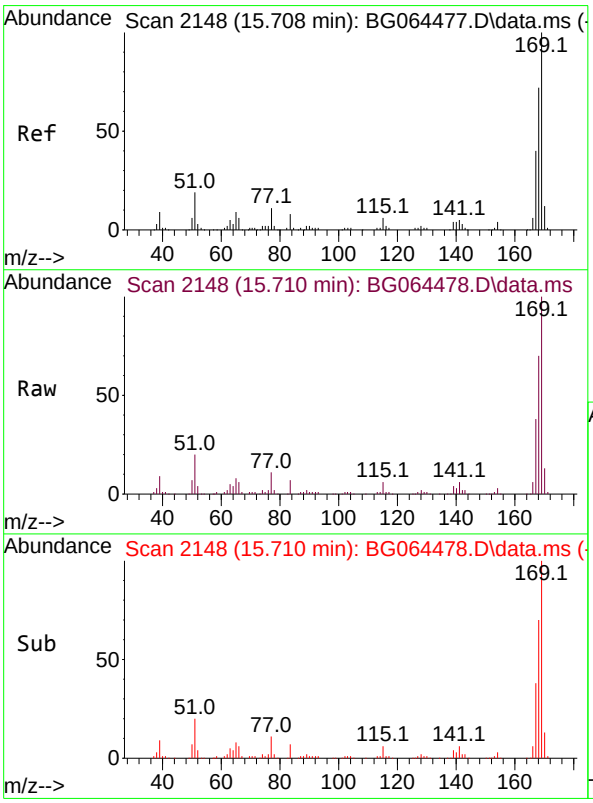
Ion	Ratio	Lower	Upper
198	100		
51	55.6	39.0	79.0
105	36.0	15.8	55.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

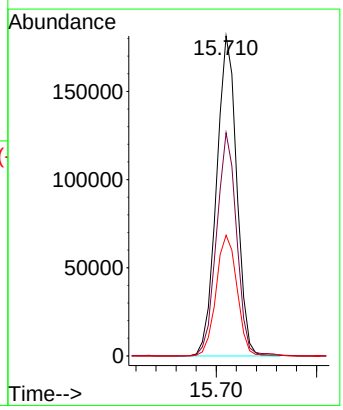
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

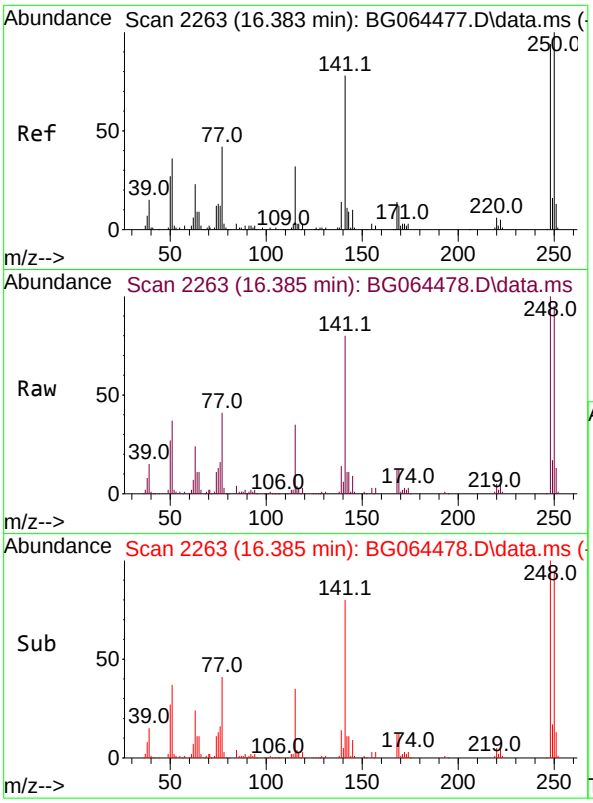


#66
n-Nitrosodiphenylamine
Concen: 47.518 ng
RT: 15.710 min Scan# 2148
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:169 Resp: 254244

Ion	Ratio	Lower	Upper
169	100		
168	69.7	57.8	86.6
167	37.7	31.7	47.5

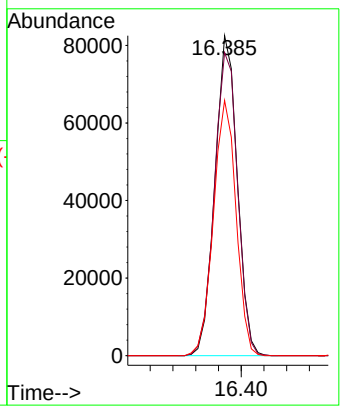




#67
4-Bromophenyl-phenylether
Concen: 47.653 ng
RT: 16.385 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:248 Resp: 11235

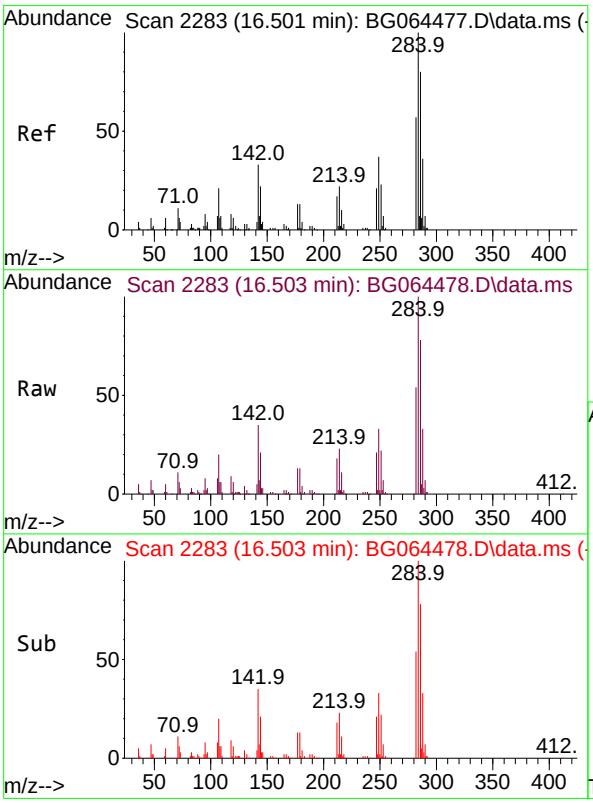
Ion	Ratio	Lower	Upper
248	100		
250	94.7	85.3	127.9
141	79.7	66.2	99.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

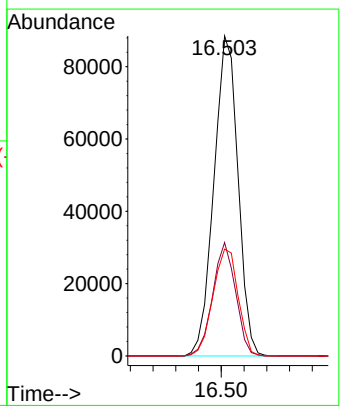
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

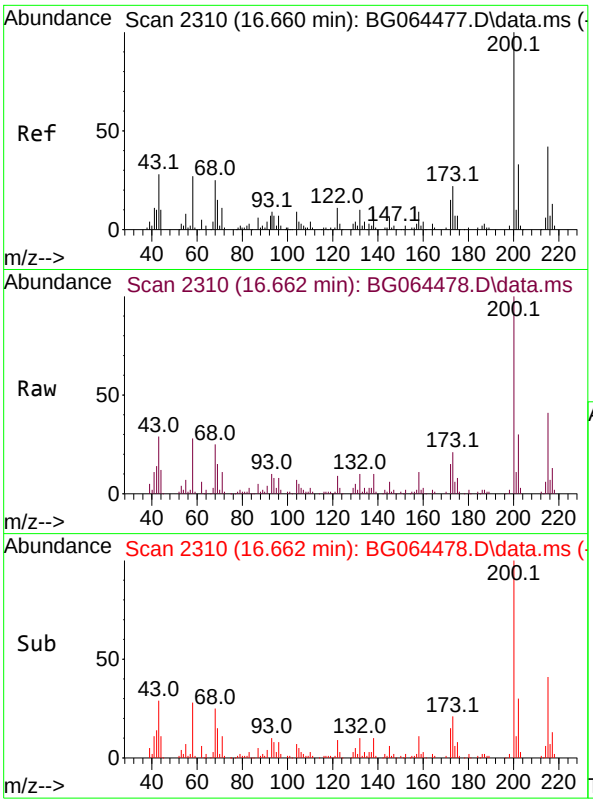


#68
Hexachlorobenzene
Concen: 48.208 ng
RT: 16.503 min Scan# 2283
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:284 Resp: 130063

Ion	Ratio	Lower	Upper
284	100		
142	35.4	26.2	39.2
249	33.4	29.4	44.0

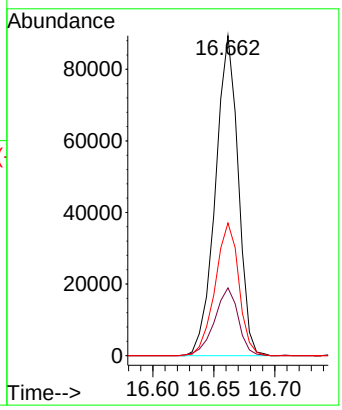




#69
Atrazine
Concen: 48.772 ng
RT: 16.662 min Scan# 2
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:200 Resp: 116098

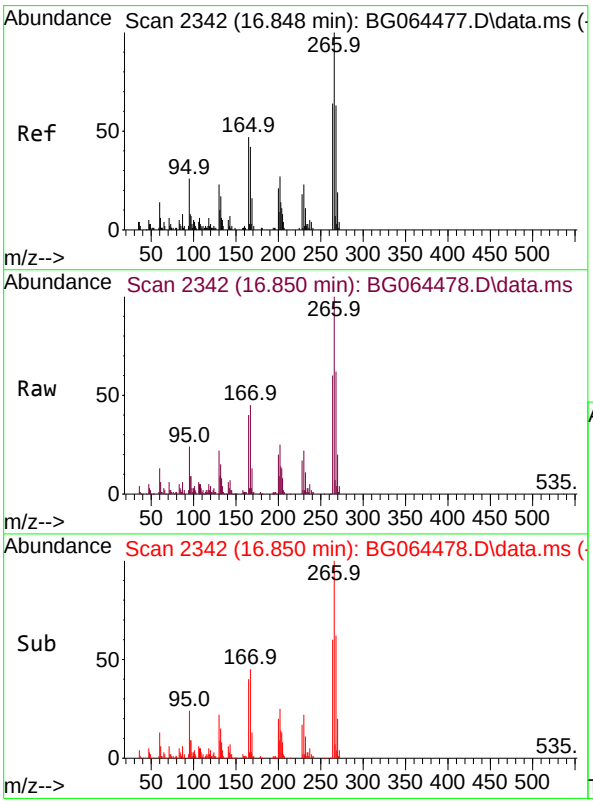
Ion	Ratio	Lower	Upper
200	100		
173	21.2	2.5	42.5
215	41.4	21.5	61.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

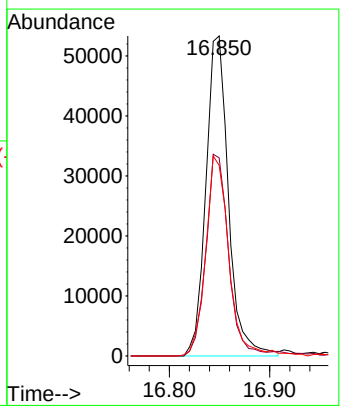
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

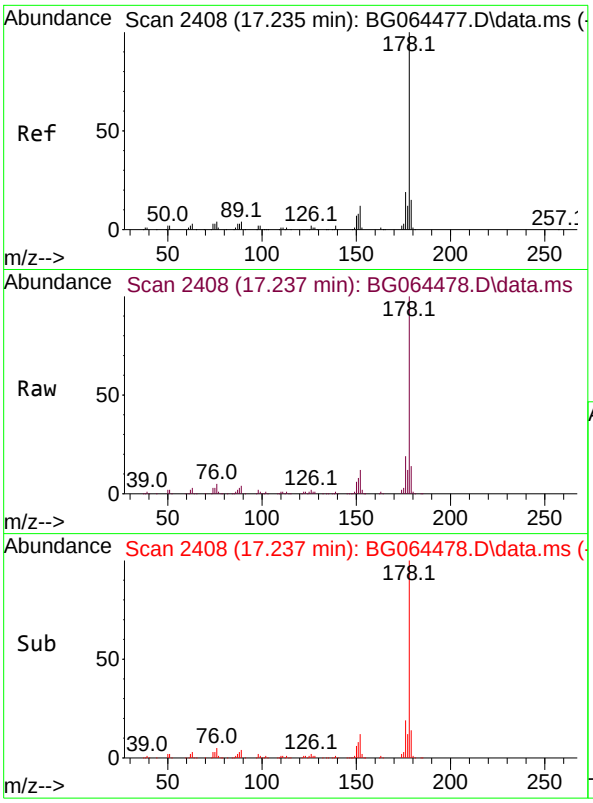


#70
Pentachlorophenol
Concen: 52.695 ng
RT: 16.850 min Scan# 2342
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:266 Resp: 83126

Ion	Ratio	Lower	Upper
266	100		
268	61.9	50.6	75.8
264	59.5	51.2	76.8

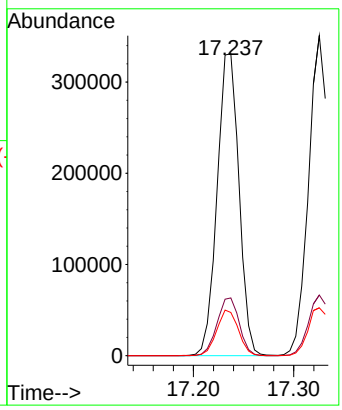




#71
Phenanthrene
Concen: 47.904 ng
RT: 17.237 min Scan# 24
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:178 Resp: 501941

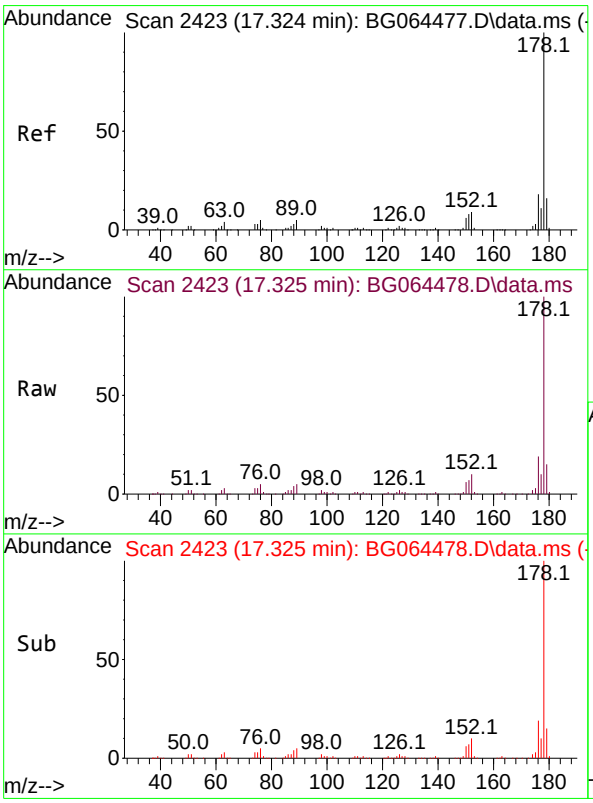
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	14.3	11.8	17.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

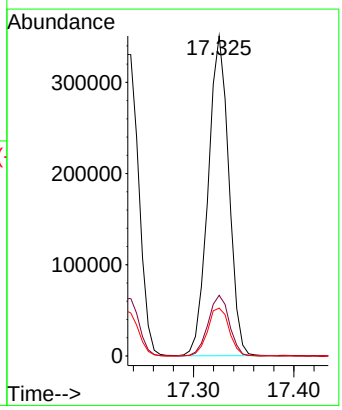
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

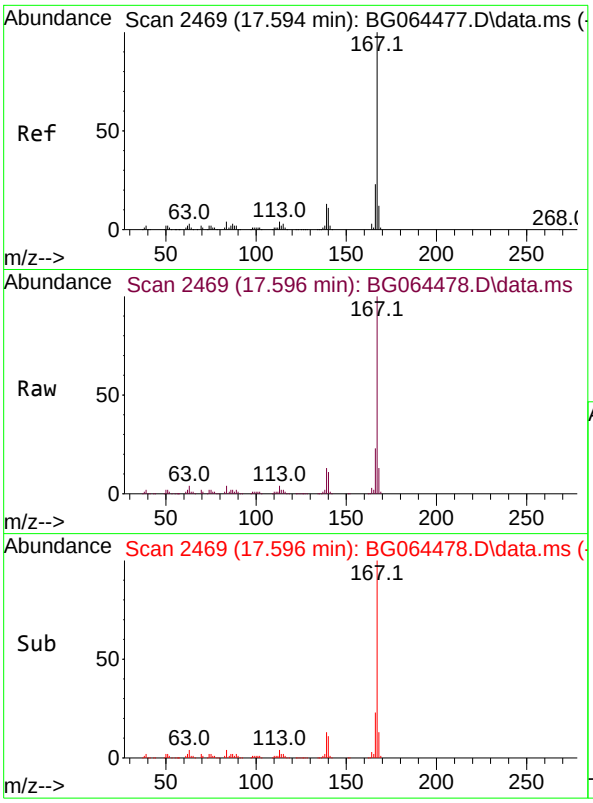


#72
Anthracene
Concen: 47.688 ng
RT: 17.325 min Scan# 2423
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:178 Resp: 501276

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.6	21.8
179	14.9	12.5	18.7

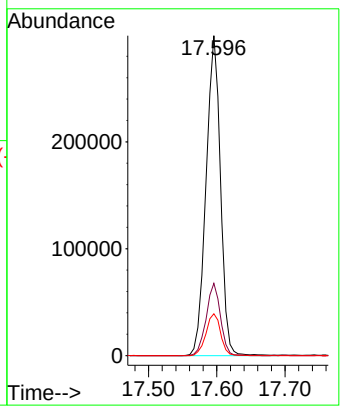




#73
Carbazole
Concen: 48.370 ng
RT: 17.596 min Scan# 24
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:167 Resp: 43949

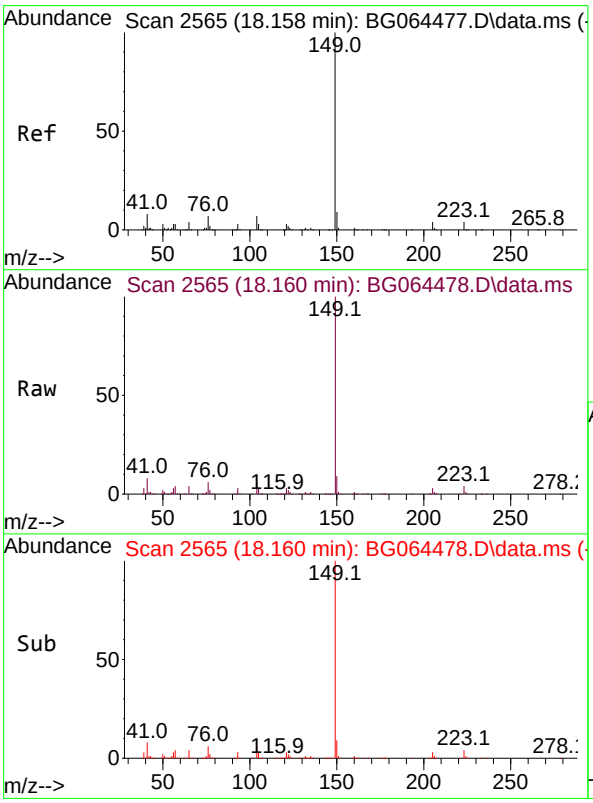
Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.6	27.8
139	13.1	10.2	15.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

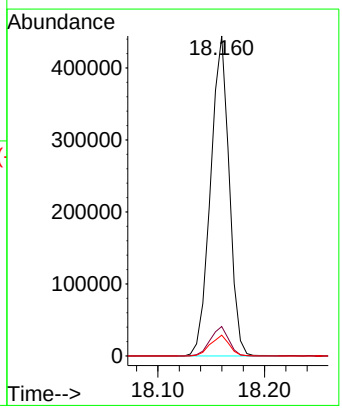
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

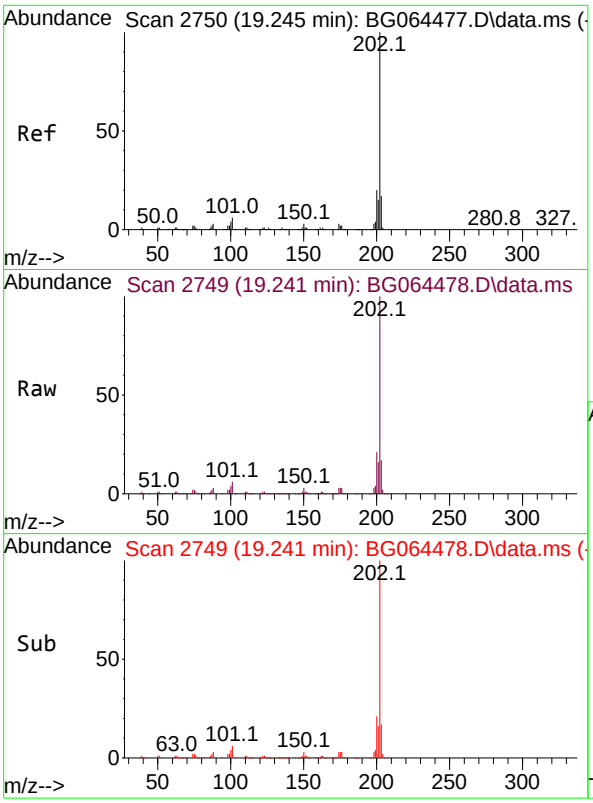


#74
Di-n-butylphthalate
Concen: 48.585 ng
RT: 18.160 min Scan# 2565
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:149 Resp: 538886

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	6.5	5.3	7.9

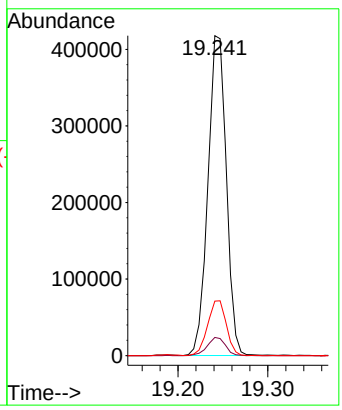




#75
Fluoranthene
Concen: 47.718 ng
RT: 19.241 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:202 Resp: 597309

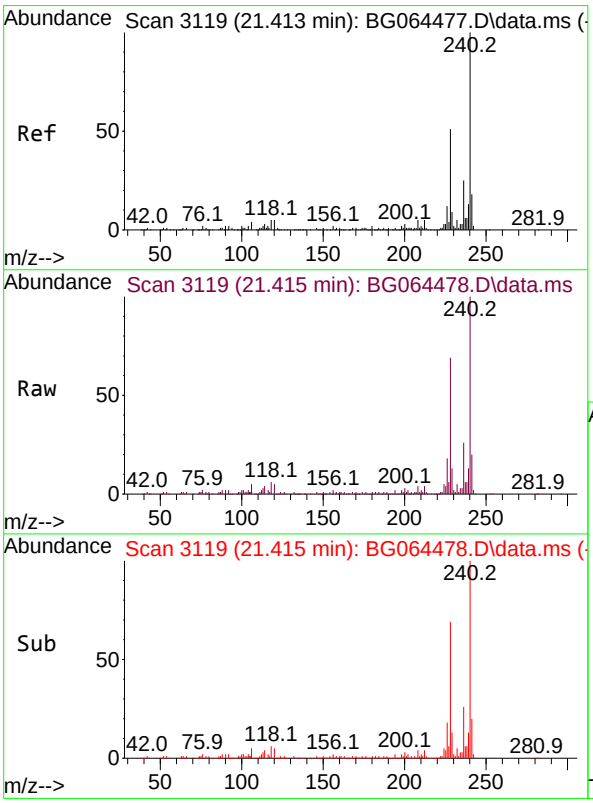
Ion	Ratio	Lower	Upper
202	100		
101	5.7	0.0	25.7
203	17.0	0.0	36.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

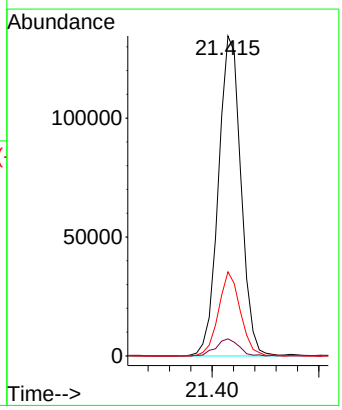
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

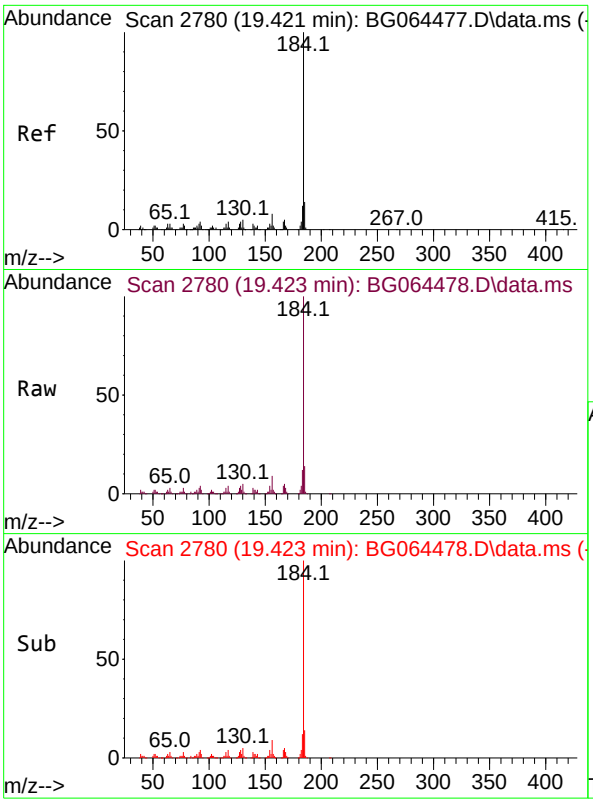


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.415 min Scan# 3119
Delta R.T. 0.005 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:240 Resp: 197724

Ion	Ratio	Lower	Upper
240	100		
120	5.3	4.3	6.5
236	26.3	20.4	30.6

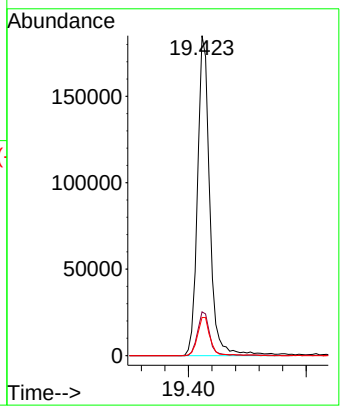




#77
Benzidine
Concen: 54.213 ng
RT: 19.423 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:184 Resp: 26673

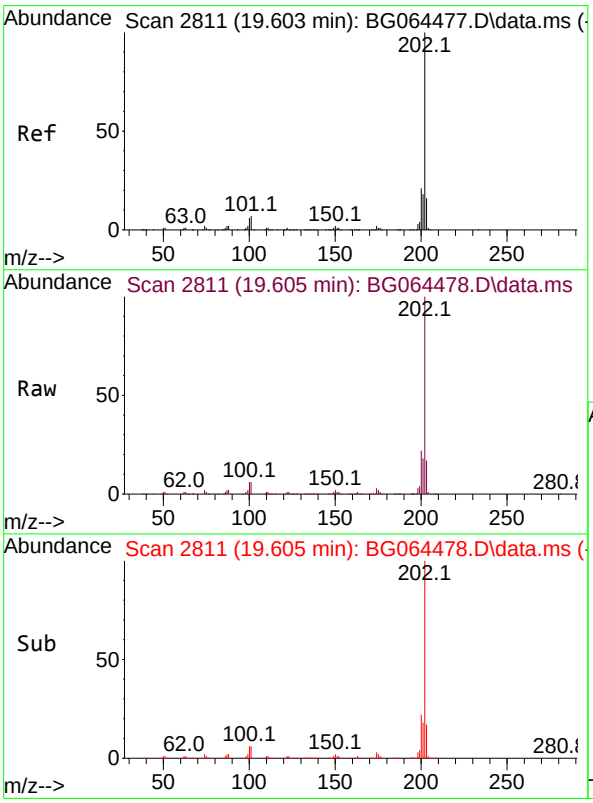
Ion	Ratio	Lower	Upper
184	100		
185	13.7	10.9	16.3
183	11.9	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

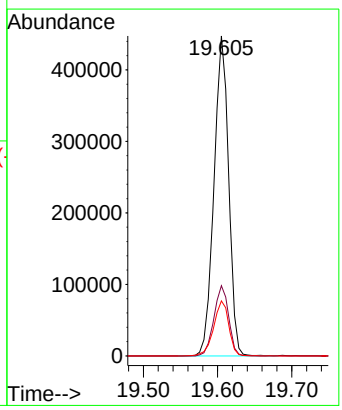
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

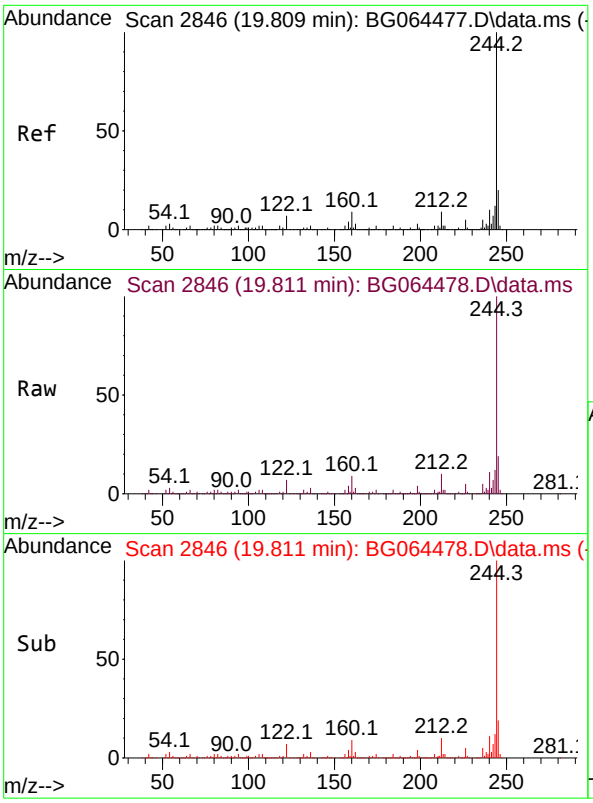


#78
Pyrene
Concen: 47.828 ng
RT: 19.605 min Scan# 2811
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:202 Resp: 613709

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.0	25.4
203	17.2	13.0	19.4

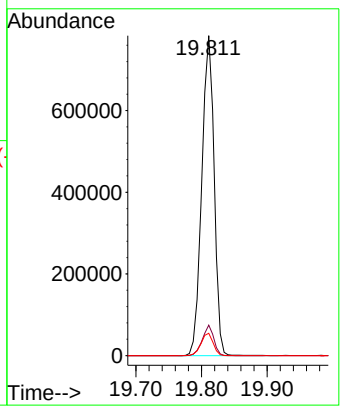




#79
Terphenyl-d14
Concen: 97.457 ng
RT: 19.811 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:244 Resp: 101821

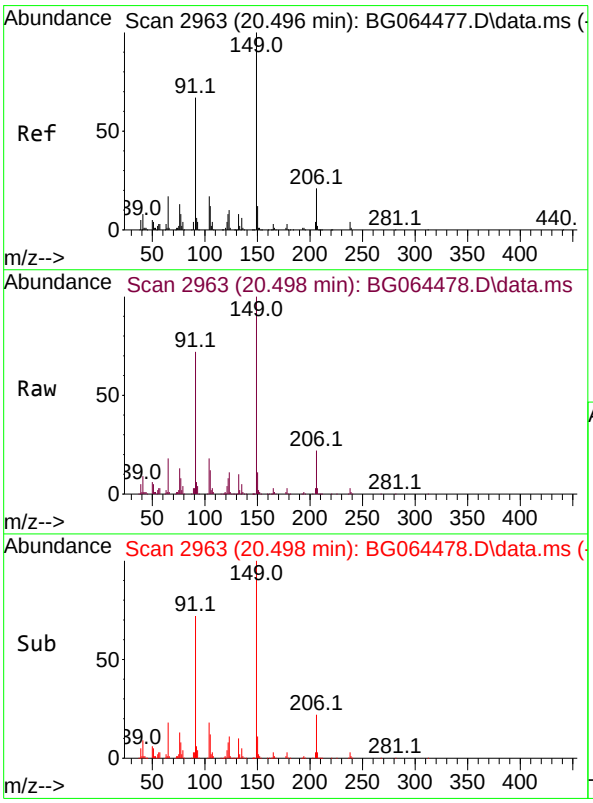
Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.0	10.6
122	7.0	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

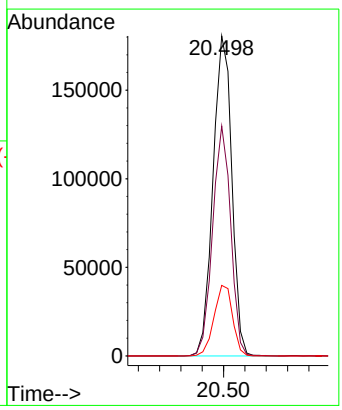
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

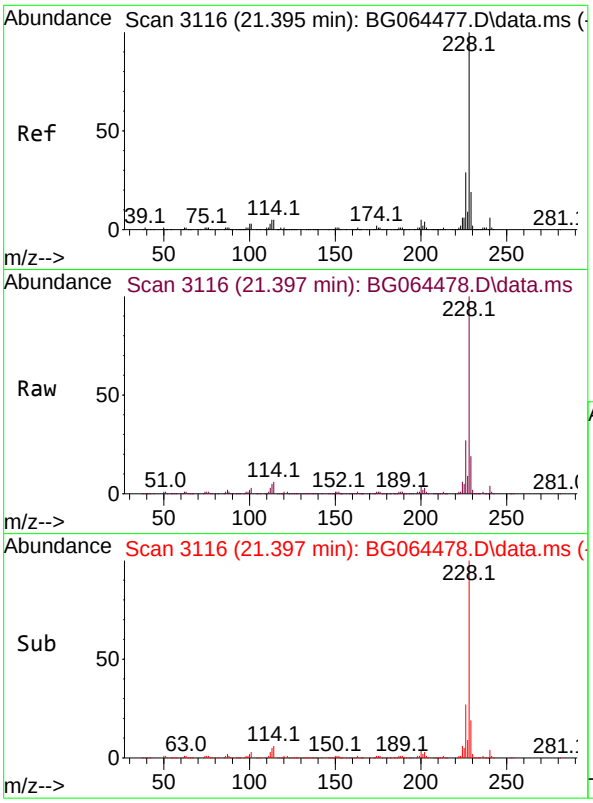


#80
Butylbenzylphthalate
Concen: 48.623 ng
RT: 20.498 min Scan# 2963
Delta R.T. -0.001 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:149 Resp: 221172

Ion	Ratio	Lower	Upper
149	100		
91	71.8	53.7	80.5
206	22.0	16.6	24.8

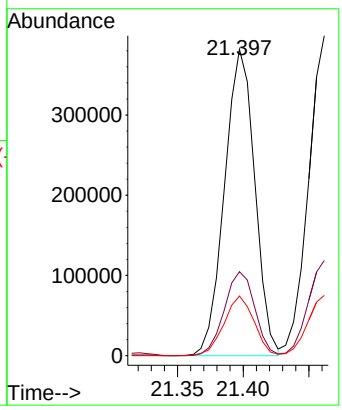




#81
Benzo(a)anthracene
Concen: 48.464 ng
RT: 21.397 min Scan# 3
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:228 Resp: 61185

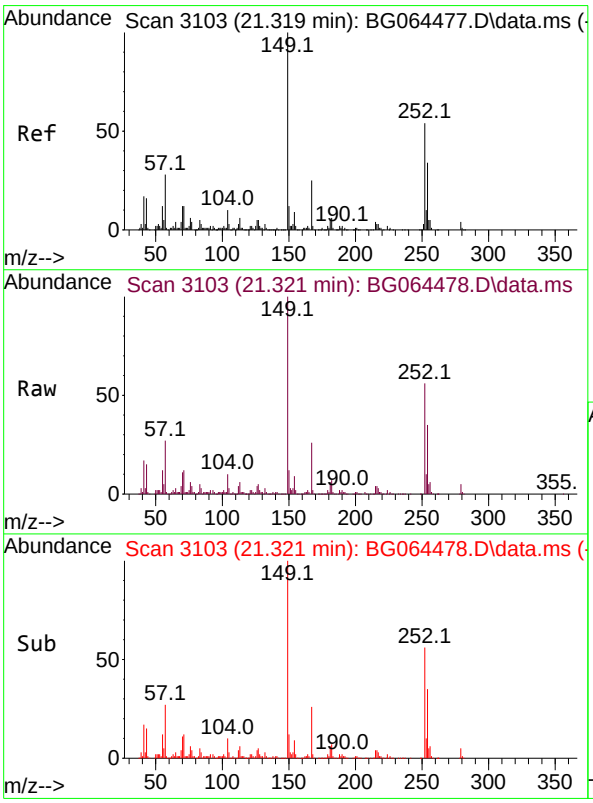
Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.8	34.2
229	19.5	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

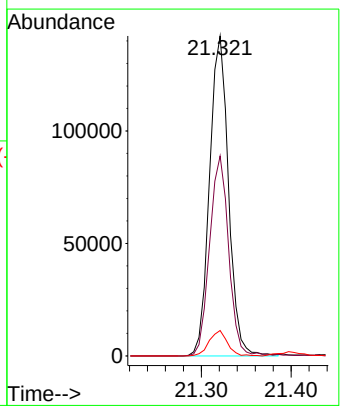
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

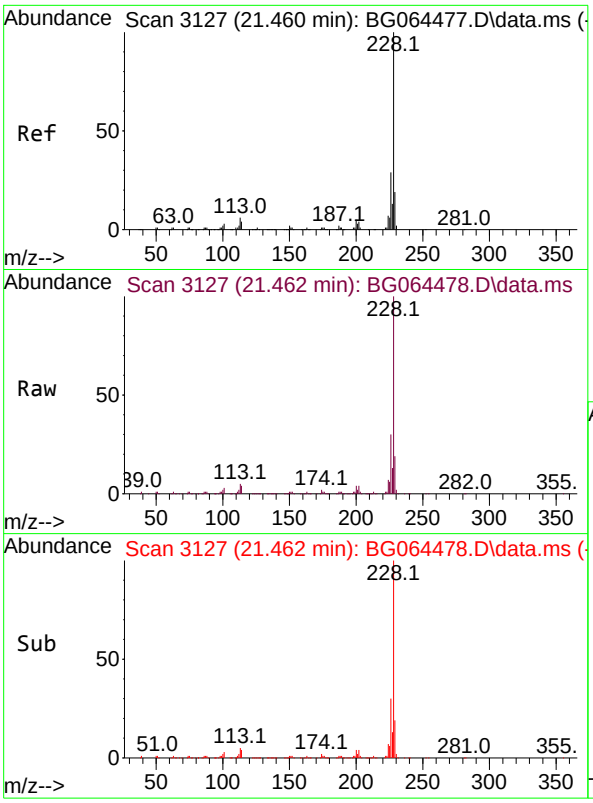


#82
3,3'-Dichlorobenzidine
Concen: 48.899 ng
RT: 21.321 min Scan# 3103
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:252 Resp: 208942

Ion	Ratio	Lower	Upper
252	100		
254	62.5	50.5	75.7
126	7.9	7.1	10.7





#83
Chrysene
Concen: 48.408 ng
RT: 21.462 min Scan# 31
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

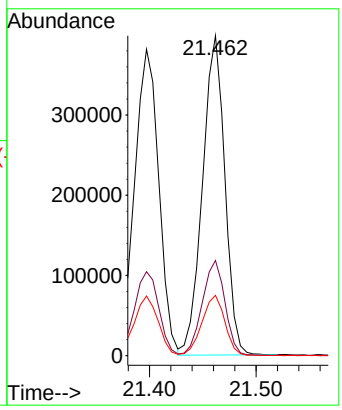
Tgt Ion:228 Resp: 57958

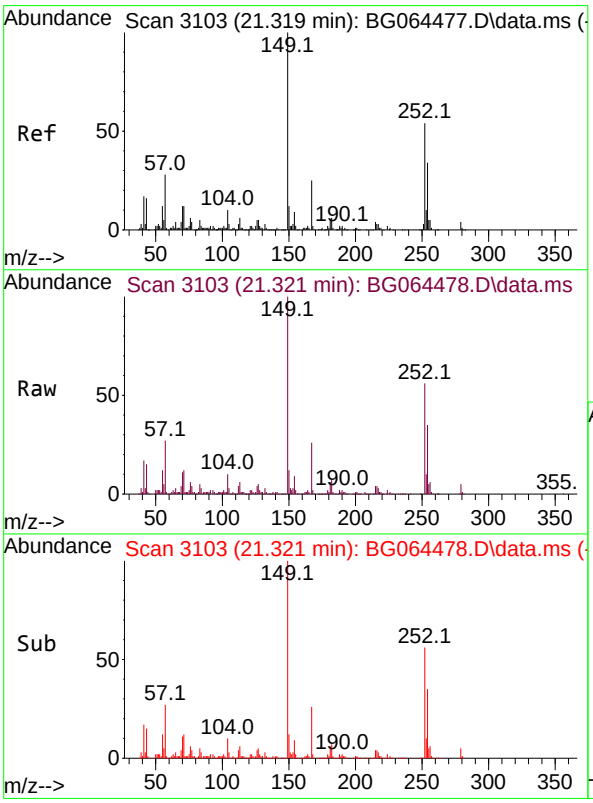
Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.8	34.2
229	18.8	15.4	23.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

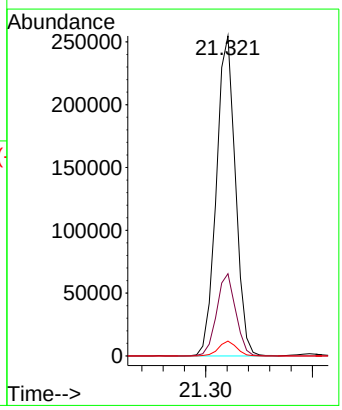


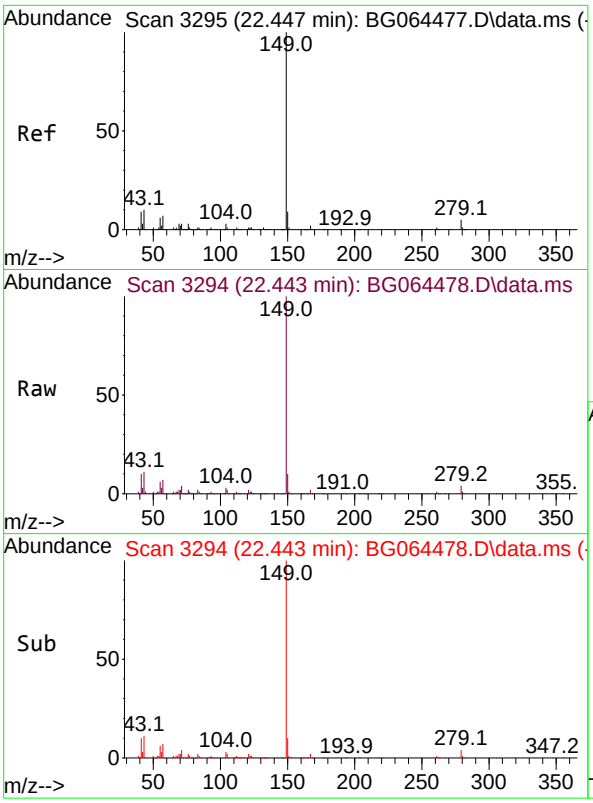


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.393 ng
RT: 21.321 min Scan# 3103
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:149 Resp: 317005

Ion	Ratio	Lower	Upper
149	100		
167	25.7	19.7	29.5
279	4.6	3.4	5.2

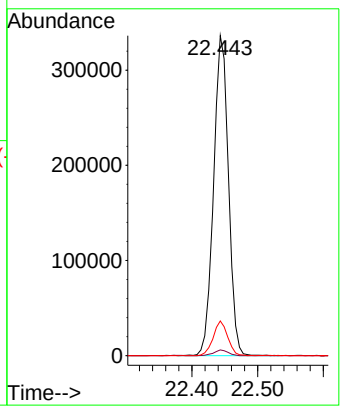




#85
Di-n-octyl phthalate
Concen: 49.179 ng
RT: 22.443 min Scan# 3
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:149 Resp: 530469

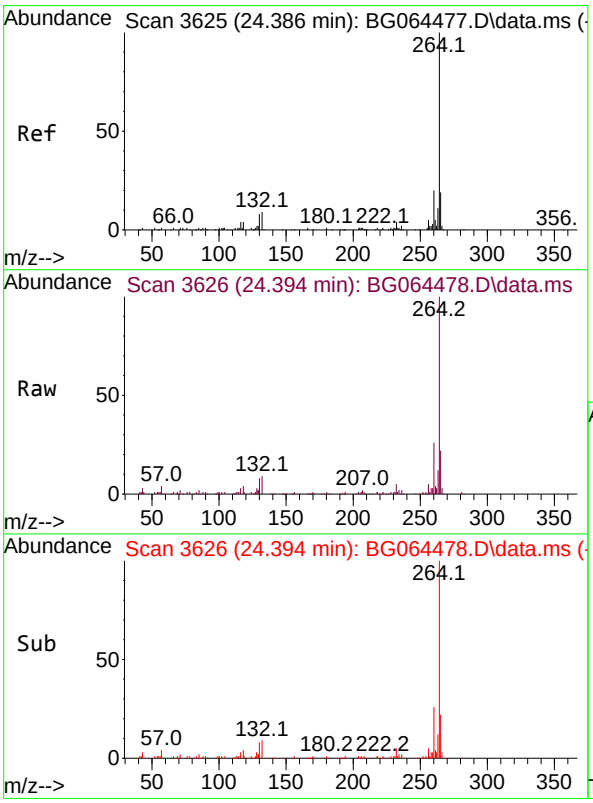
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	10.5	7.9	11.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

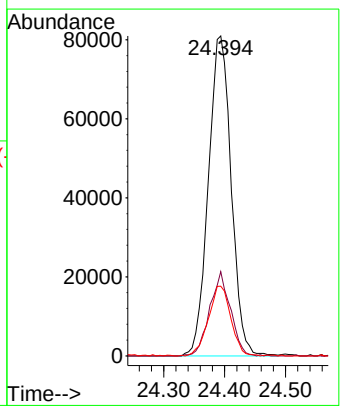
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

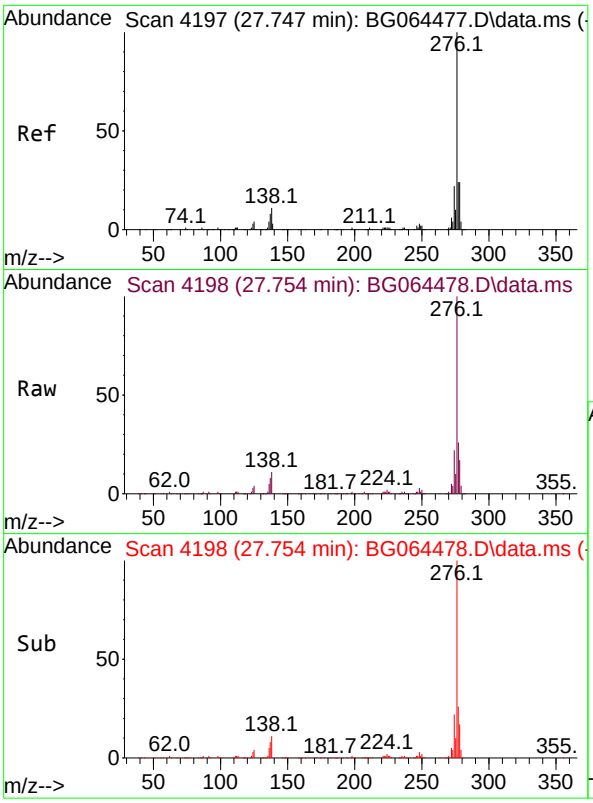


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.394 min Scan# 3626
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:264 Resp: 211036

Ion	Ratio	Lower	Upper
264	100		
260	26.3	16.2	24.4#
265	21.8	15.0	22.4

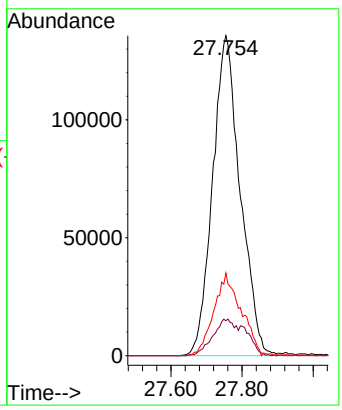




#87
Indeno(1,2,3-cd)pyrene
Concen: 49.822 ng
RT: 27.754 min Scan# 41
Delta R.T. 0.022 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:276 Resp: 73185

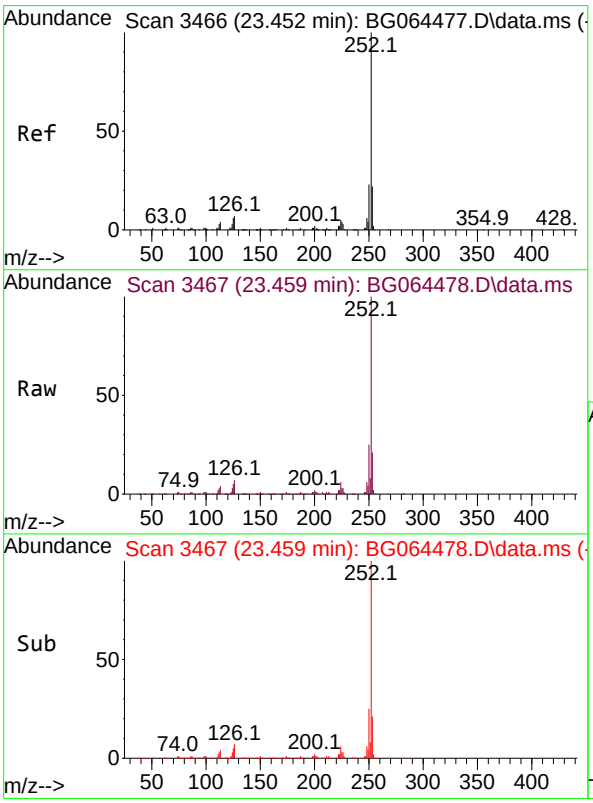
Ion	Ratio	Lower	Upper
276	100		
138	9.5	10.8	16.2#
277	25.3	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

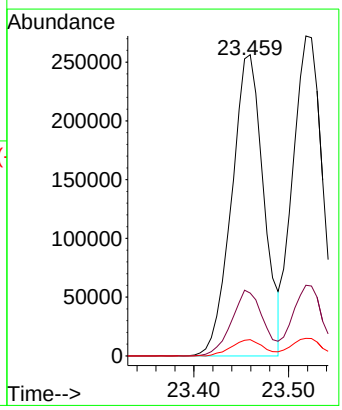
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

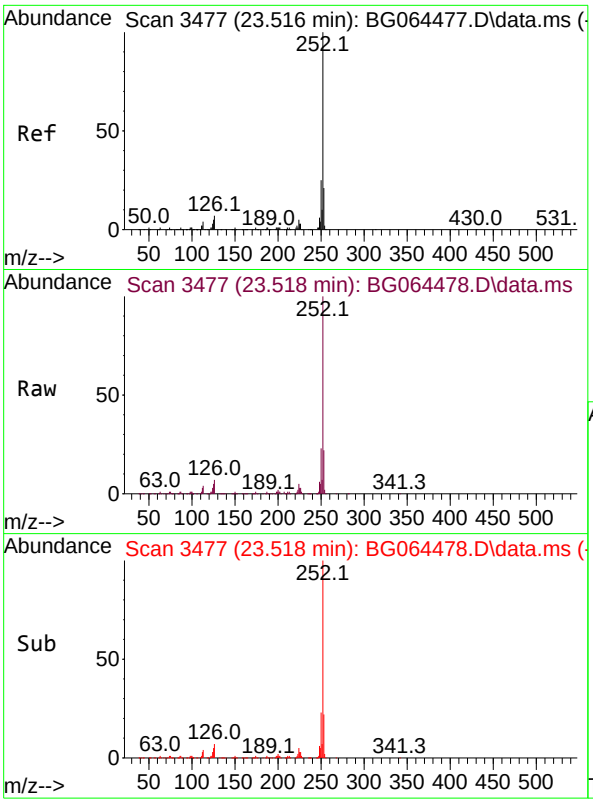


#88
Benzo(b)fluoranthene
Concen: 50.163 ng
RT: 23.459 min Scan# 3467
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:252 Resp: 602249

Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.5	26.3
125	5.4	4.5	6.7

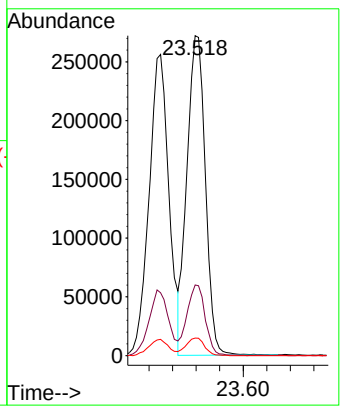




#89
Benzo(k)fluoranthene
Concen: 49.006 ng
RT: 23.518 min Scan# 34
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:252 Resp: 59257

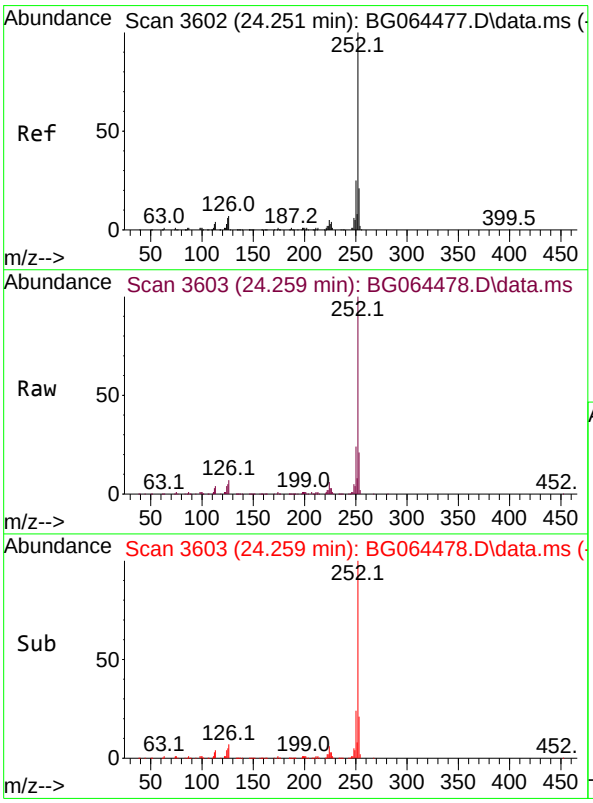
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	5.5	4.0	6.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

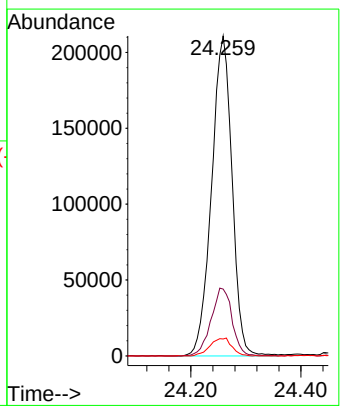
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

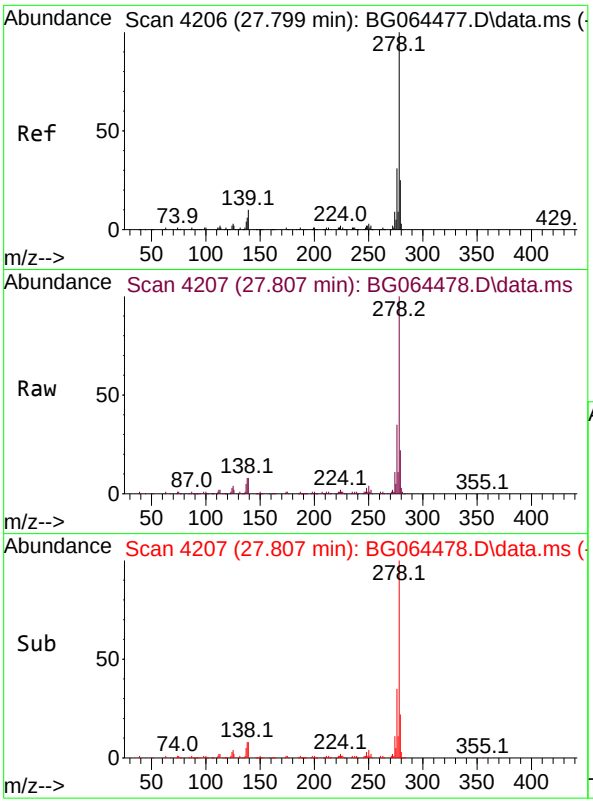


#90
Benzo(a)pyrene
Concen: 49.152 ng
RT: 24.259 min Scan# 3603
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:252 Resp: 543872

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.1	25.7
125	5.3	4.6	6.8

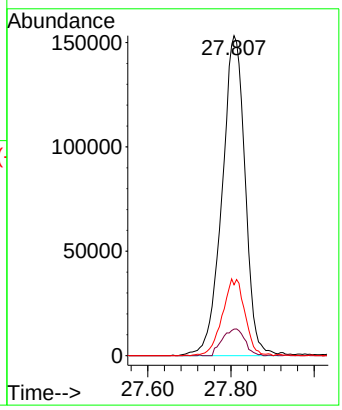




#91
Dibenzo(a,h)anthracene
Concen: 50.092 ng
RT: 27.807 min Scan# 4
Delta R.T. 0.028 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:278 Resp: 58844

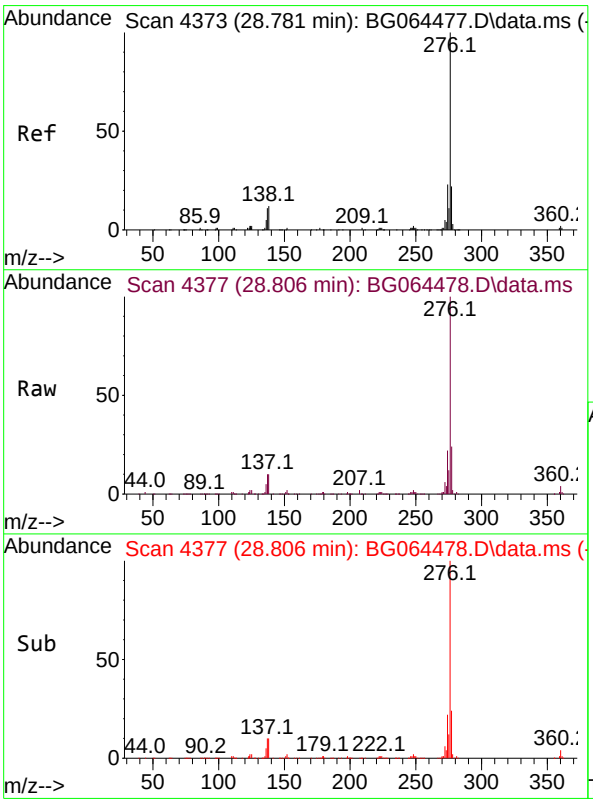
Ion	Ratio	Lower	Upper
278	100		
139	8.3	8.2	12.2
279	22.1	19.6	29.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

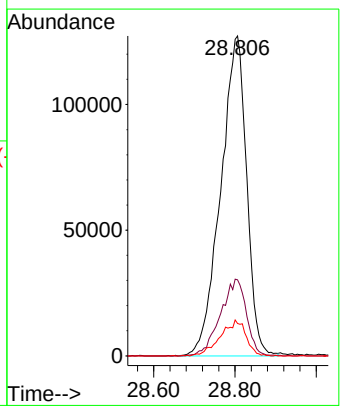
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#92
Benzo(g,h,i)perylene
Concen: 49.412 ng
RT: 28.806 min Scan# 4377
Delta R.T. 0.040 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:276 Resp: 564079

Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.8	26.6
138	10.1	9.4	14.0



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064479.D
Acq On : 2 Oct 2025 13:35
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

Quant Time: Oct 02 16:53:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.823	152	18157	20.000	ng		# 0.00
21) Naphthalene-d8	10.614	136	79713	20.000	ng		0.00
39) Acenaphthene-d10	14.451	164	59222	20.000	ng		0.00
64) Phenanthrene-d10	17.189	188	143075	20.000	ng		0.00
76) Chrysene-d12	21.419	240	144920	20.000	ng		0.00
86) Perylene-d12	24.386	264	155027	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.414	112	120711	123.037	ng		0.00
7) Phenol-d6	7.001	99	163006	123.636	ng		0.01
23) Nitrobenzene-d5	8.981	82	182017	122.779	ng		0.01
42) 2,4,6-Tribromophenol	15.943	330	128452	119.659	ng		0.00
45) 2-Fluorobiphenyl	13.076	172	493573	122.847	ng		0.00
79) Terphenyl-d14	19.809	244	908174	118.598	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.328	88	21034	54.202	ng		99
3) Pyridine	3.716	79	59671	57.214	ng		90
4) n-Nitrosodimethylamine	3.634	42	45910	60.722	ng		96
6) Aniline	7.153	93	99315	59.718	ng		95
8) 2-Chlorophenol	7.394	128	72763	60.397	ng		95
9) Benzaldehyde	6.965	77	84348	72.070	ng		96
10) Phenol	7.024	94	86206	61.981	ng		96
11) bis(2-Chloroethyl)ether	7.253	93	57983	61.560	ng		92
12) 1,3-Dichlorobenzene	7.712	146	77246	58.613	ng		97
13) 1,4-Dichlorobenzene	7.858	146	77379	58.502	ng		99
14) 1,2-Dichlorobenzene	8.176	146	76212	58.463	ng		90
15) Benzyl Alcohol	8.064	79	76230	62.783	ng		91
16) 2,2'-oxybis(1-Chloropr...	8.346	45	93010	61.262	ng		95
17) 2-Methylphenol	8.270	107	62263	61.823	ng		98
18) Hexachloroethane	8.904	117	30824	59.041	ng		90
19) n-Nitroso-di-n-propyla...	8.634	70	57095	64.752	ng		98
20) 3+4-Methylphenols	8.599	107	88330	62.850	ng		94
22) Acetophenone	8.646	105	118355	61.322	ng		96
24) Nitrobenzene	9.022	77	90145	60.977	ng		99
25) Isophorone	9.545	82	163941	61.043	ng	#	96
26) 2-Nitrophenol	9.727	139	44985	61.140	ng		98
27) 2,4-Dimethylphenol	9.791	122	71145	63.308	ng		97
28) bis(2-Chloroethoxy)met...	10.027	93	84101	61.433	ng		98
29) 2,4-Dichlorophenol	10.262	162	80390	61.860	ng		95
30) 1,2,4-Trichlorobenzene	10.479	180	83491	58.922	ng		94
31) Naphthalene	10.661	128	248965	60.652	ng		99
32) Benzoic acid	9.974	122	57724m	66.902	ng		
33) 4-Chloroaniline	10.767	127	97069	61.625	ng		98
34) Hexachlorobutadiene	10.949	225	71767	59.141	ng		98
35) Caprolactam	11.554	113	26379	59.294	ng		92
36) 4-Chloro-3-methylphenol	11.901	107	96815	61.261	ng		98
37) 2-Methylnaphthalene	12.271	142	190996	60.616	ng		99
38) 1-Methylnaphthalene	12.494	142	187504	59.679	ng		99
40) 1,2,4,5-Tetrachloroben...	12.641	216	120531	63.034	ng		99
41) Hexachlorocyclopentadiene	12.623	237	67135	67.119	ng		92
43) 2,4,6-Trichlorophenol	12.888	196	77492	63.395	ng		94

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064479.D
Acq On : 2 Oct 2025 13:35
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

Quant Time: Oct 02 16:53:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.958	196	84004	61.556	ng		95
46) 1,1'-Biphenyl	13.287	154	263596	61.885	ng		98
47) 2-Chloronaphthalene	13.329	162	196507	61.791	ng		99
48) 2-Nitroaniline	13.528	65	68465	63.078	ng		96
49) Acenaphthylene	14.175	152	291016	61.645	ng		97
50) Dimethylphthalate	13.910	163	281798	60.755	ng		98
51) 2,6-Dinitrotoluene	14.028	165	61222	63.363	ng		95
52) Acenaphthene	14.515	154	202179	61.643	ng		97
53) 3-Nitroaniline	14.363	138	53857	60.440	ng		94
54) 2,4-Dinitrophenol	14.562	184	40673	58.053	ng	#	84
55) Dibenzofuran	14.850	168	332668	61.429	ng		98
56) 4-Nitrophenol	14.674	139	44975	64.107	ng		89
57) 2,4-Dinitrotoluene	14.821	165	89912	60.873	ng		99
58) Fluorene	15.502	166	272106	60.439	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.079	232	87720	62.984	ng		98
60) Diethylphthalate	15.279	149	295396	59.367	ng		96
61) 4-Chlorophenyl-phenyle...	15.497	204	145541	59.213	ng		97
62) 4-Nitroaniline	15.526	138	60477	65.117	ng		88
63) Azobenzene	15.784	77	229063	59.443	ng		98
65) 4,6-Dinitro-2-methylph...	15.585	198	62295	62.533	ng		94
66) n-Nitrosodiphenylamine	15.708	169	232383	60.822	ng		96
67) 4-Bromophenyl-phenylether	16.384	248	101659	60.380	ng		97
68) Hexachlorobenzene	16.501	284	120060	62.318	ng		96
69) Atrazine	16.660	200	102498	60.299	ng		98
70) Pentachlorophenol	16.848	266	72916	64.730	ng		99
71) Phenanthrene	17.236	178	450582	60.221	ng		98
72) Anthracene	17.324	178	458626	61.100	ng		99
73) Carbazole	17.594	167	395523	60.961	ng		97
74) Di-n-butylphthalate	18.158	149	485256	61.267	ng		100
75) Fluoranthene	19.245	202	537693	60.154	ng		99
77) Benzidine	19.427	184	270028	74.880	ng		100
78) Pyrene	19.604	202	556837	59.207	ng		98
80) Butylbenzylphthalate	20.497	149	208125	62.426	ng		98
81) Benzo(a)anthracene	21.396	228	561451	60.676	ng		99
82) 3,3'-Dichlorobenzidine	21.319	252	192733	61.540	ng		97
83) Chrysene	21.460	228	525893	59.928	ng		97
84) Bis(2-ethylhexyl)phtha...	21.319	149	291329	61.932	ng		95
85) Di-n-octyl phthalate	22.447	149	489220	61.881	ng		99
87) Indeno(1,2,3-cd)pyrene	27.747	276	665573	61.679	ng	#	95
88) Benzo(b)fluoranthene	23.452	252	543592	61.635	ng		99
89) Benzo(k)fluoranthene	23.517	252	537854	60.551	ng		100
90) Benzo(a)pyrene	24.257	252	500159	61.533	ng		98
91) Dibenzo(a,h)anthracene	27.806	278	535408	62.043	ng		97
92) Benzo(g,h,i)perylene	28.799	276	513293	61.207	ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

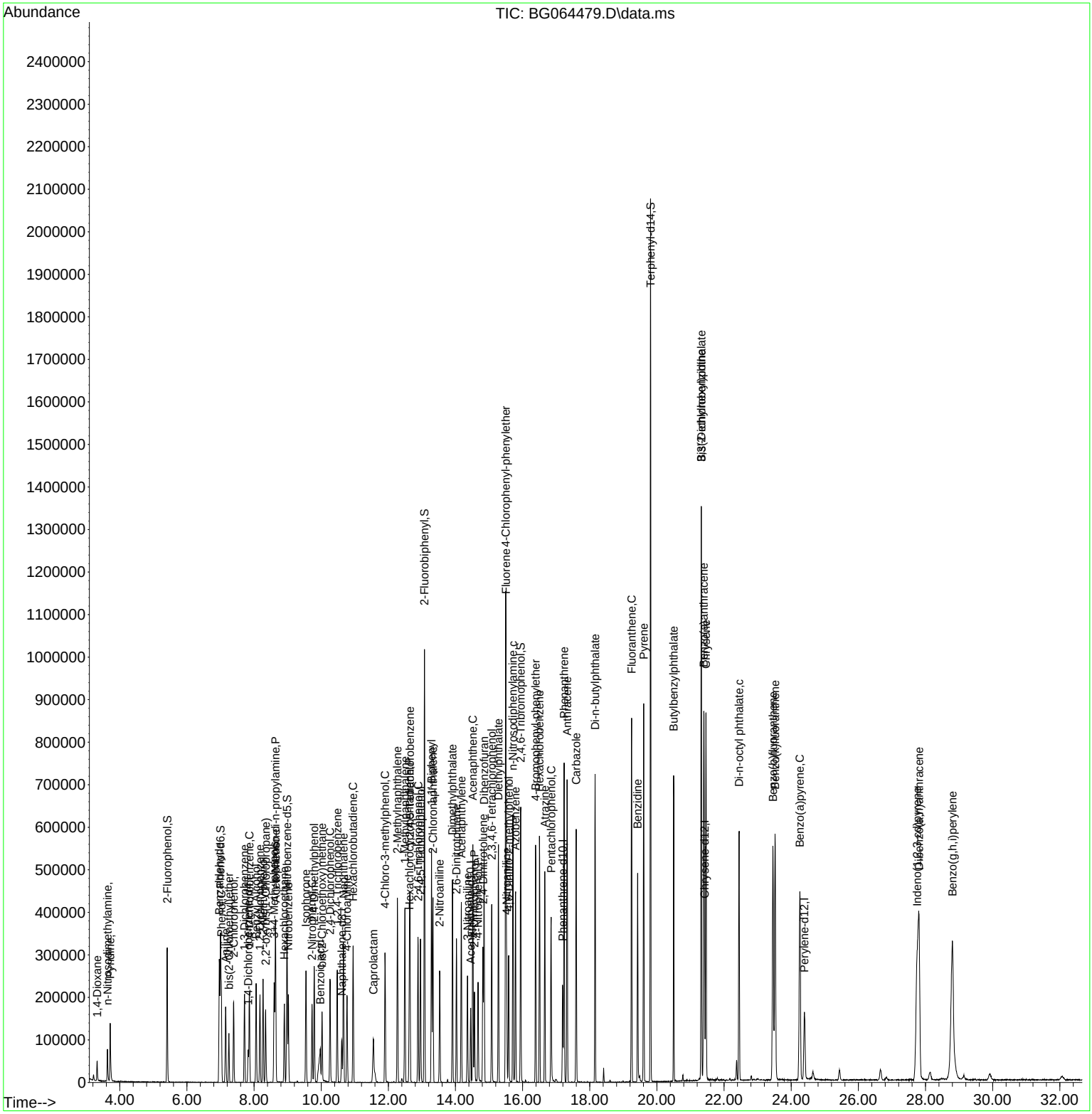
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064479.D
Acq On : 2 Oct 2025 13:35
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

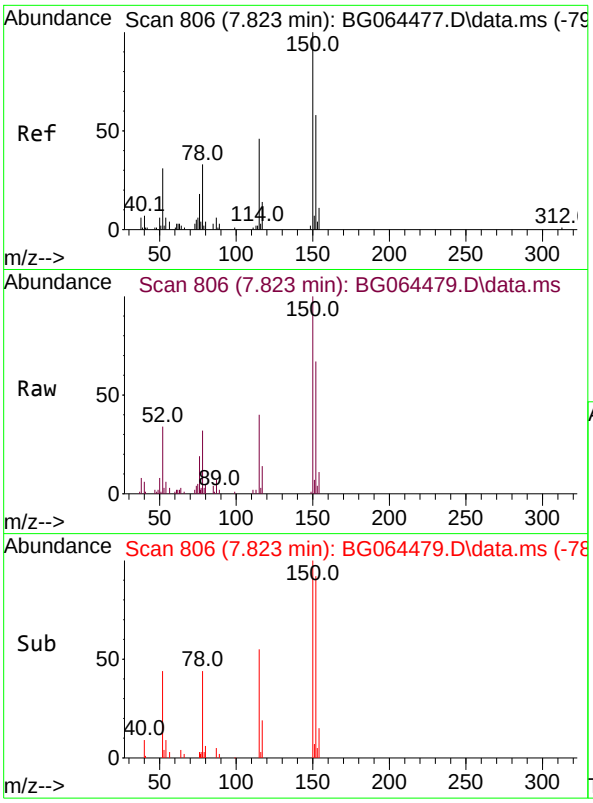
Quant Time: Oct 02 16:53:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

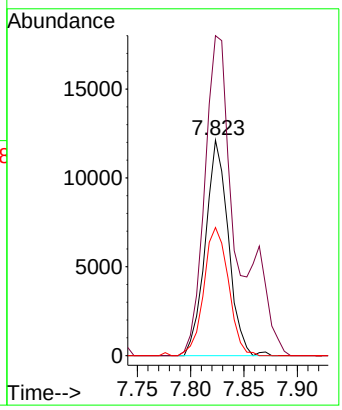




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.823 min Scan# 80
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:152 Resp: 1815

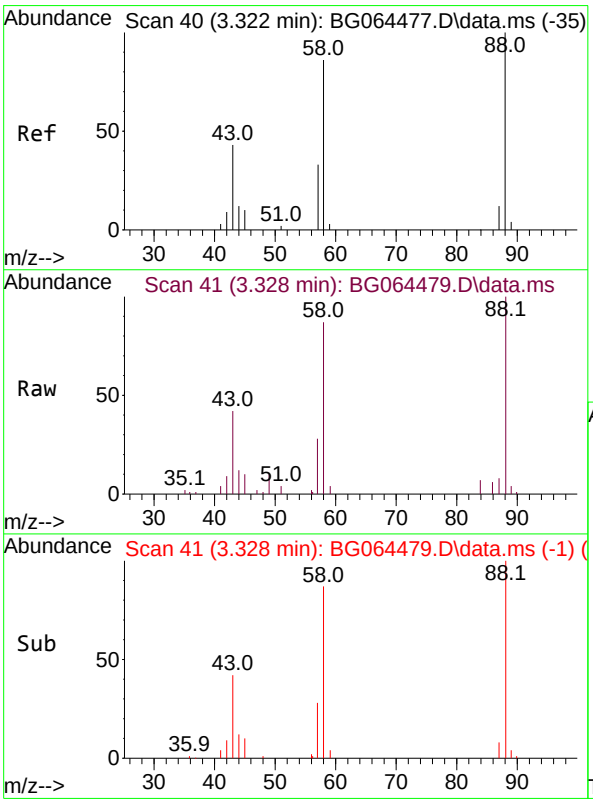
Ion	Ratio	Lower	Upper
152	100		
150	148.6	138.6	207.8
115	59.5	63.4	95.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

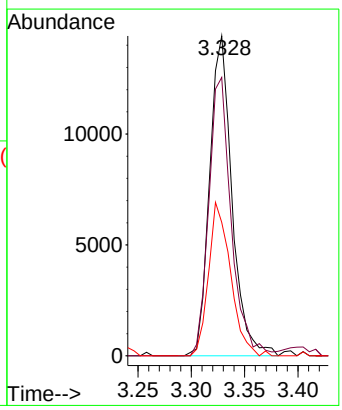
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

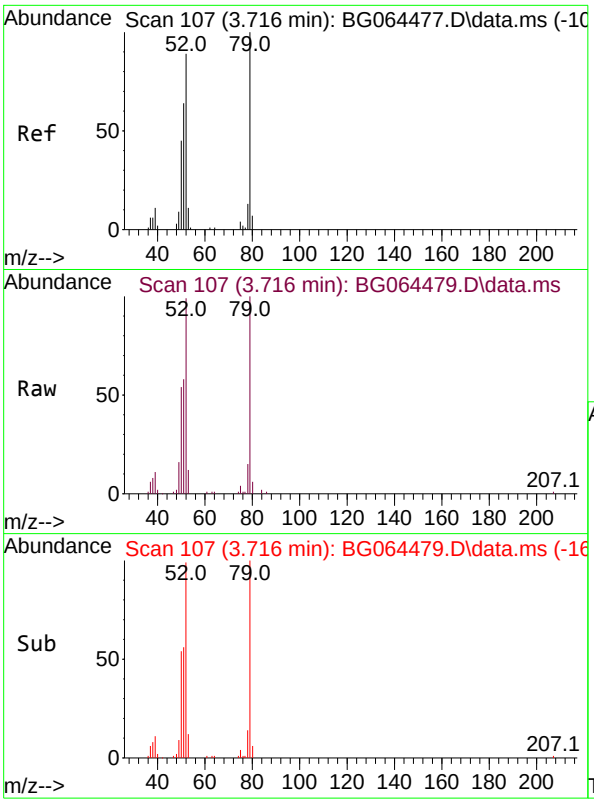


#2
1,4-Dioxane
Concen: 54.202 ng
RT: 3.328 min Scan# 41
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 88 Resp: 21034

Ion	Ratio	Lower	Upper
88	100		
58	87.6	69.8	104.6
43	47.3	37.4	56.0

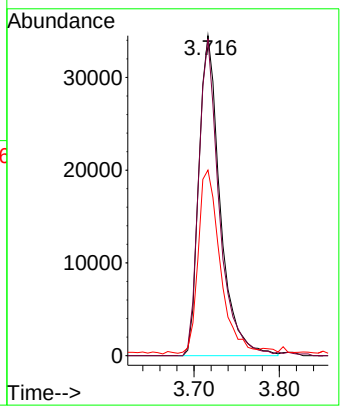




#3
Pyridine
Concen: 57.214 ng
RT: 3.716 min Scan# 10
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 79 Resp: 5967

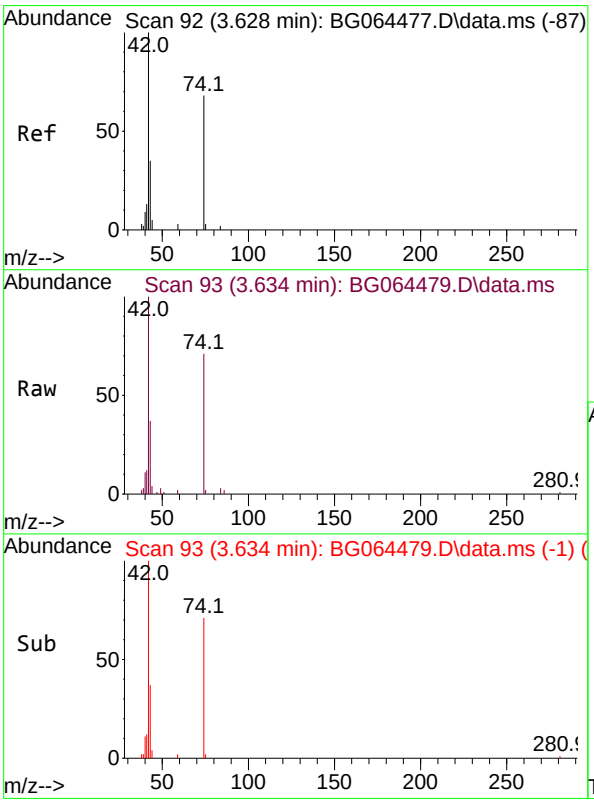
Ion	Ratio	Lower	Upper
79	100		
52	99.0	71.0	106.4
51	58.0	51.0	76.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

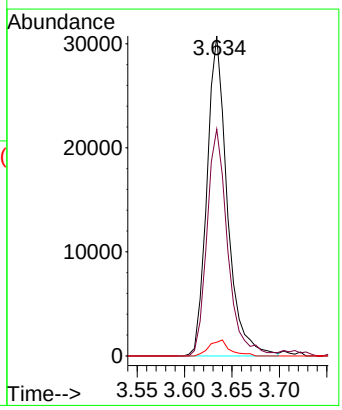
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

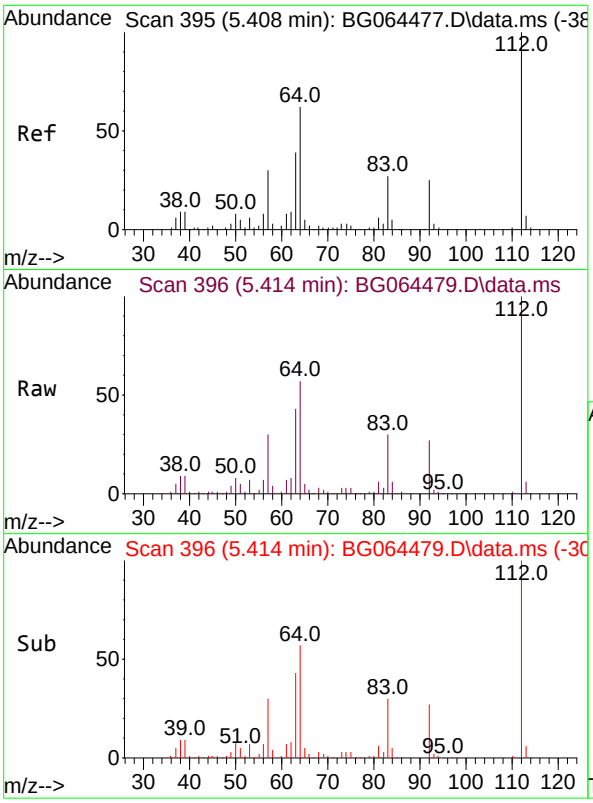


#4
n-Nitrosodimethylamine
Concen: 60.722 ng
RT: 3.634 min Scan# 93
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 42 Resp: 45910

Ion	Ratio	Lower	Upper
42	100		
74	70.9	54.2	81.4
44	4.3	4.2	6.2

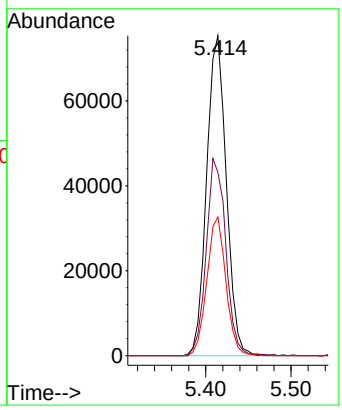




#5
2-Fluorophenol
Concen: 123.037 ng
RT: 5.414 min Scan# 3
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:112 Resp: 12071

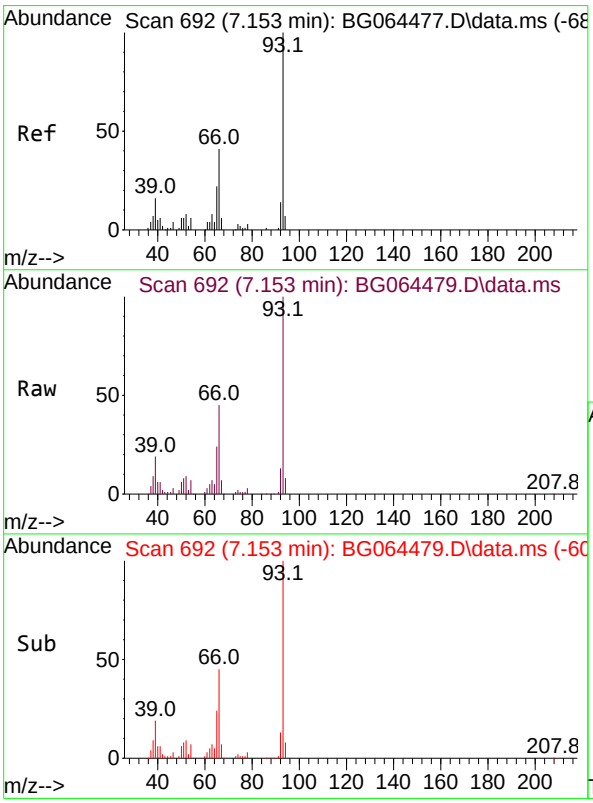
Ion	Ratio	Lower	Upper
112	100		
64	57.3	49.8	74.8
63	43.4	31.3	46.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

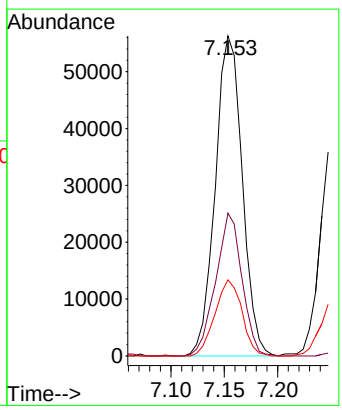
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

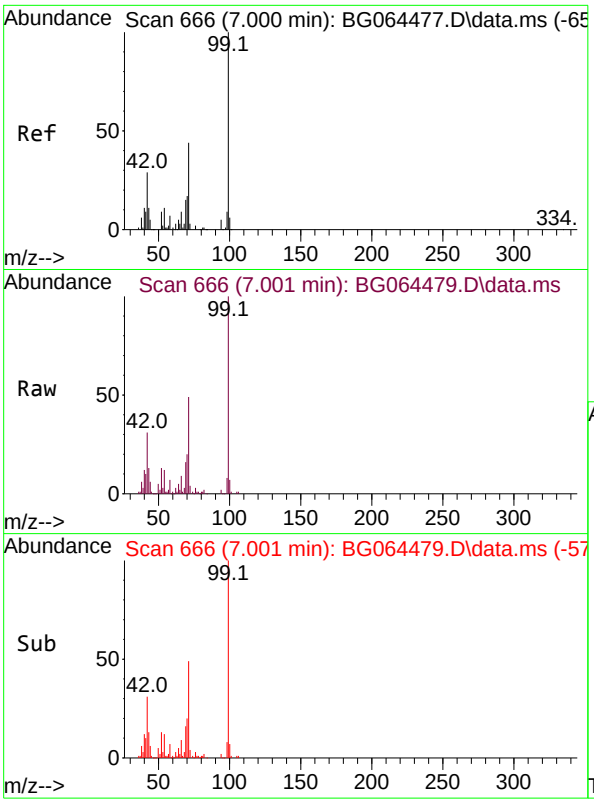


#6
Aniline
Concen: 59.718 ng
RT: 7.153 min Scan# 692
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 93 Resp: 99315

Ion	Ratio	Lower	Upper
93	100		
66	44.6	33.0	49.4
65	23.8	17.5	26.3

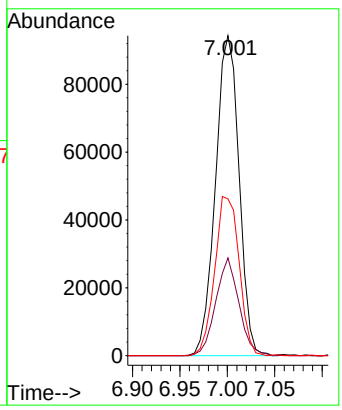




#7
Phenol-d6
Concen: 123.636 ng
RT: 7.001 min Scan# 6
Delta R.T. 0.014 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 99 Resp: 16300

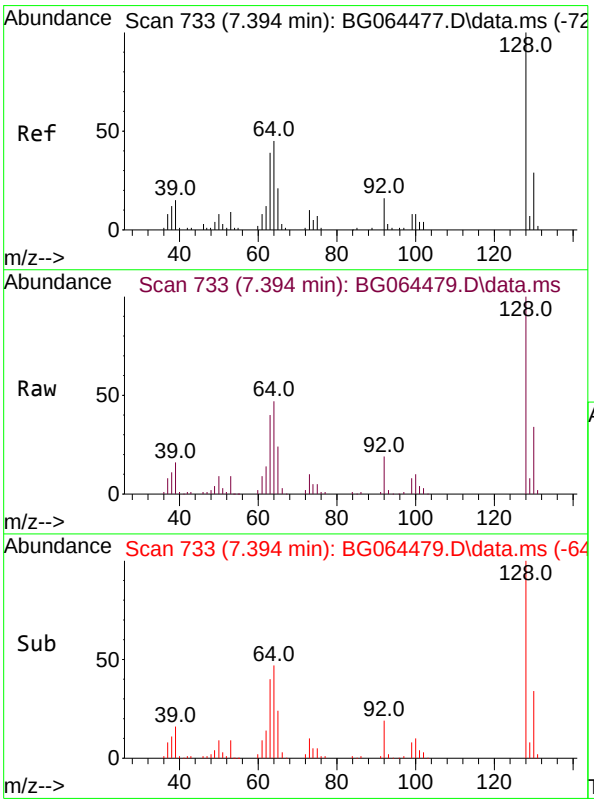
Ion	Ratio	Lower	Upper
99	100		
42	30.5	22.9	34.3
71	49.0	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

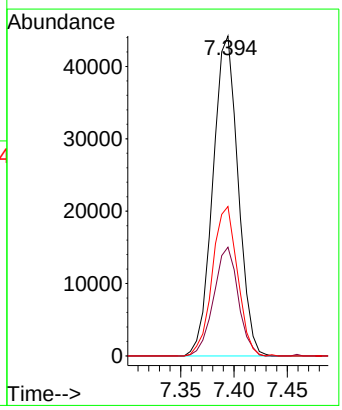
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

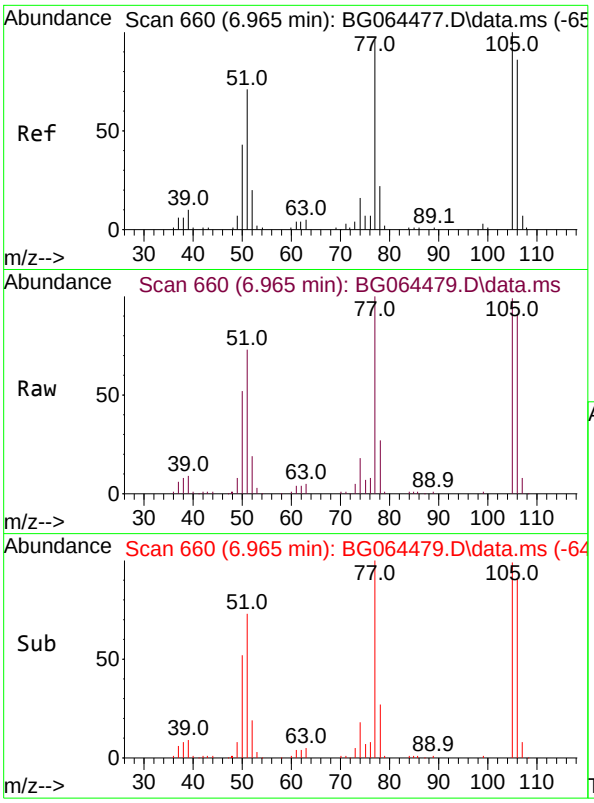


#8
2-Chlorophenol
Concen: 60.397 ng
RT: 7.394 min Scan# 733
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:128 Resp: 72763

Ion	Ratio	Lower	Upper
128	100		
130	34.0	9.2	49.2
64	46.7	25.5	65.5

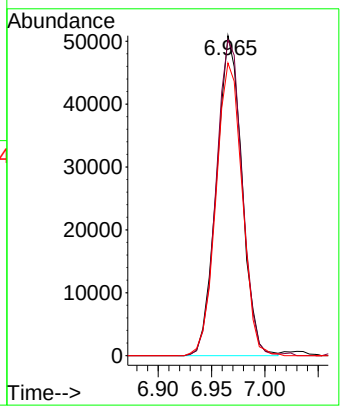




#9
Benzaldehyde
Concen: 72.070 ng
RT: 6.965 min Scan# 6
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 77 Resp: 8434

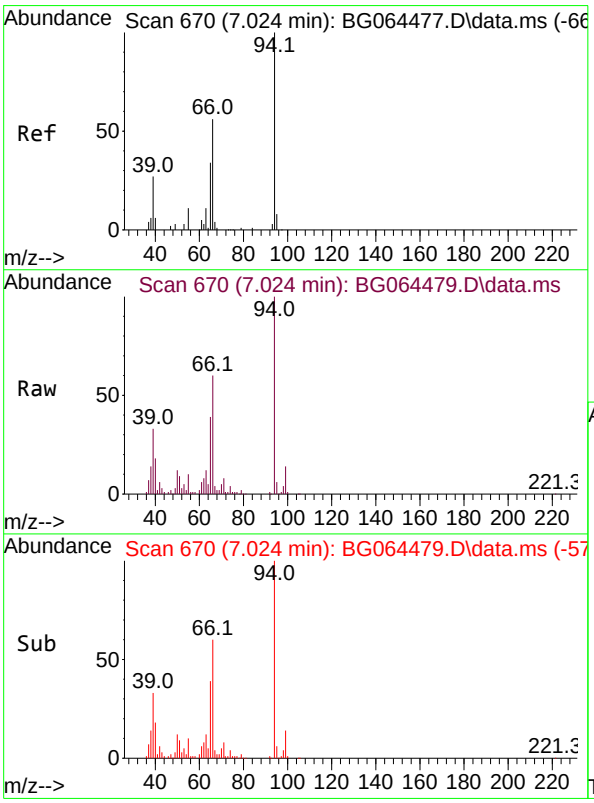
Ion	Ratio	Lower	Upper
77	100		
105	98.6	83.7	123.7
106	91.4	69.4	109.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

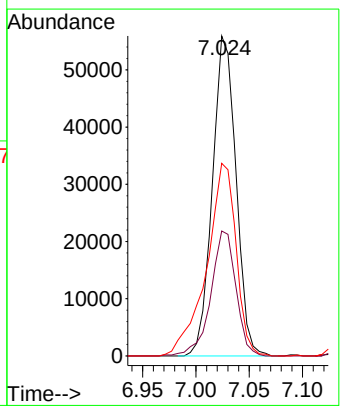
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

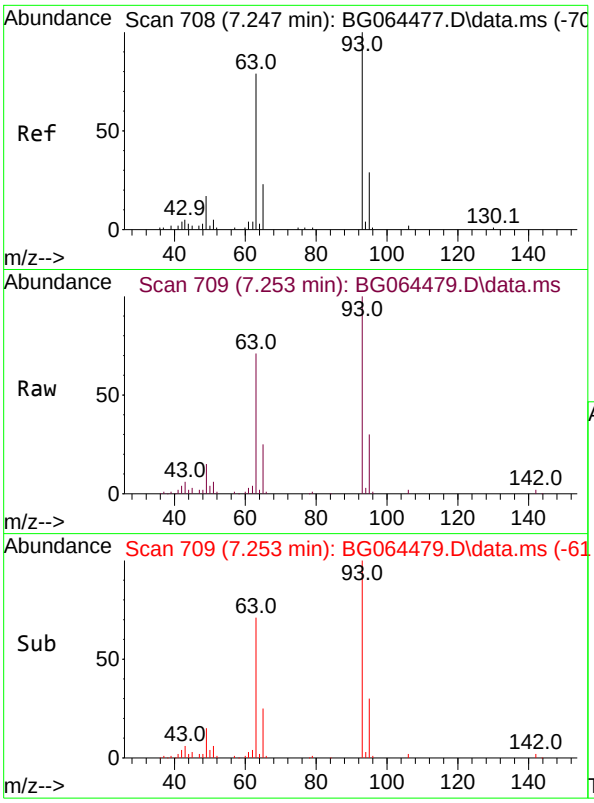


#10
Phenol
Concen: 61.981 ng
RT: 7.024 min Scan# 670
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 94 Resp: 86206

Ion	Ratio	Lower	Upper
94	100		
65	39.0	14.8	54.8
66	60.2	41.4	81.4

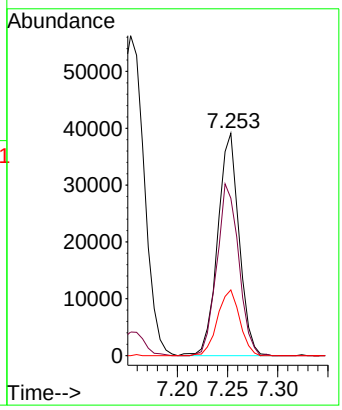




#11
bis(2-Chloroethyl)ether
Concen: 61.560 ng
RT: 7.253 min Scan# 7
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 93 Resp: 5798

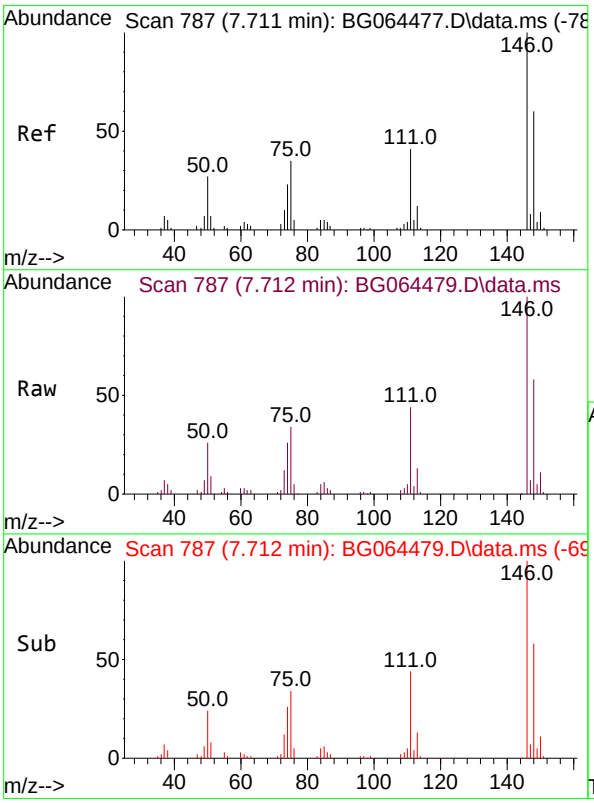
Ion	Ratio	Lower	Upper
93	100		
63	70.8	59.5	99.5
95	29.6	8.8	48.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

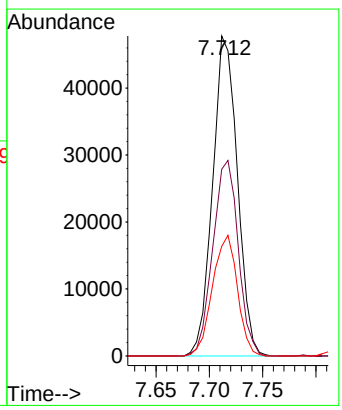
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

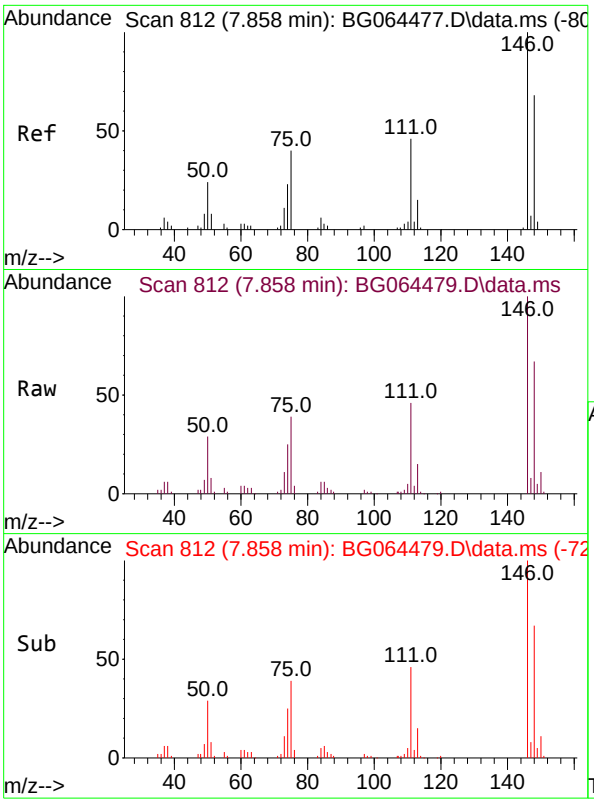


#12
1,3-Dichlorobenzene
Concen: 58.613 ng
RT: 7.712 min Scan# 787
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:146 Resp: 77246

Ion	Ratio	Lower	Upper
146	100		
148	58.3	48.4	72.6
75	34.2	28.3	42.5

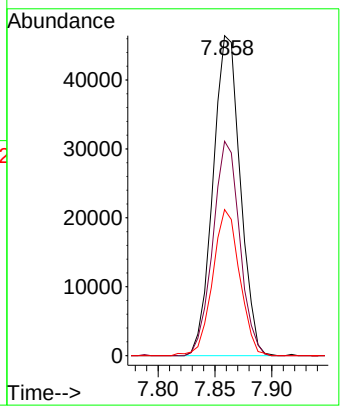




#13
1,4-Dichlorobenzene
Concen: 58.502 ng
RT: 7.858 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:146 Resp: 77379

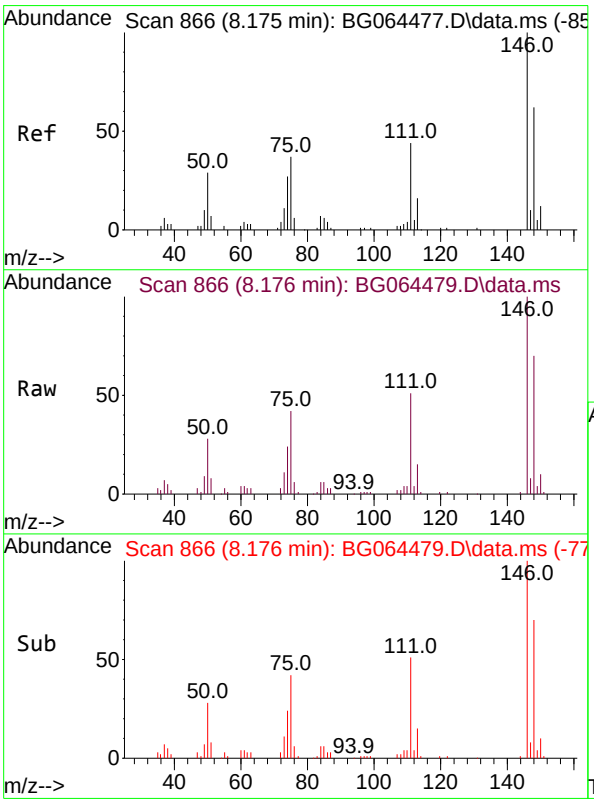
Ion	Ratio	Lower	Upper
146	100		
148	67.0	54.4	81.6
111	45.6	36.5	54.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

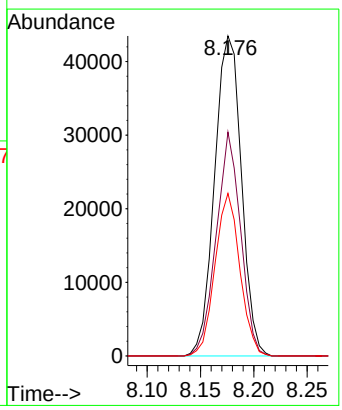
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

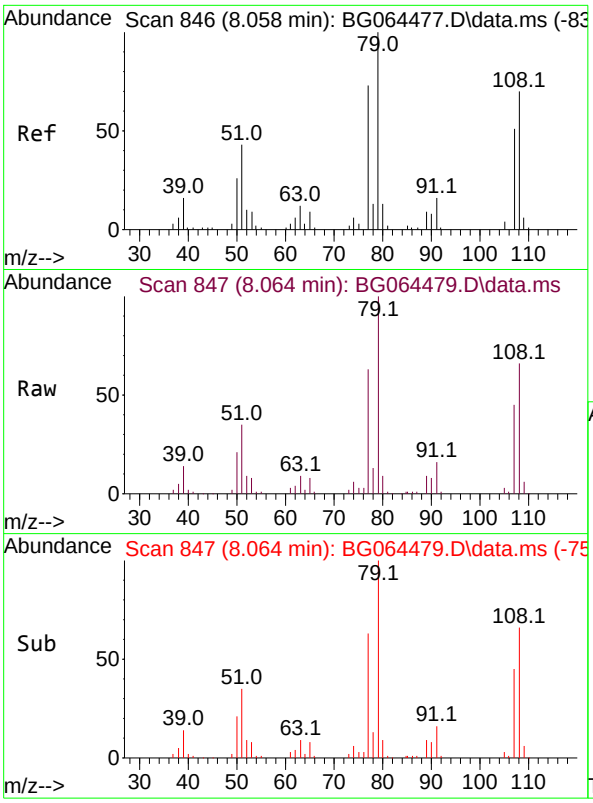


#14
1,2-Dichlorobenzene
Concen: 58.463 ng
RT: 8.176 min Scan# 866
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:146 Resp: 76212

Ion	Ratio	Lower	Upper
146	100		
148	69.9	50.0	75.0
111	50.8	35.0	52.4

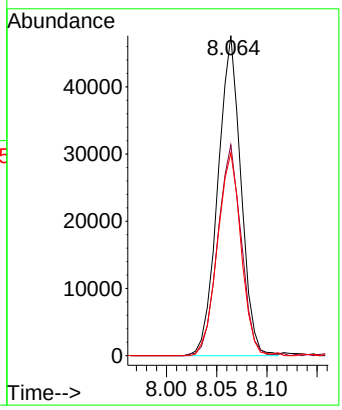




#15
Benzyl Alcohol
Concen: 62.783 ng
RT: 8.064 min Scan# 84
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 79 Resp: 7623

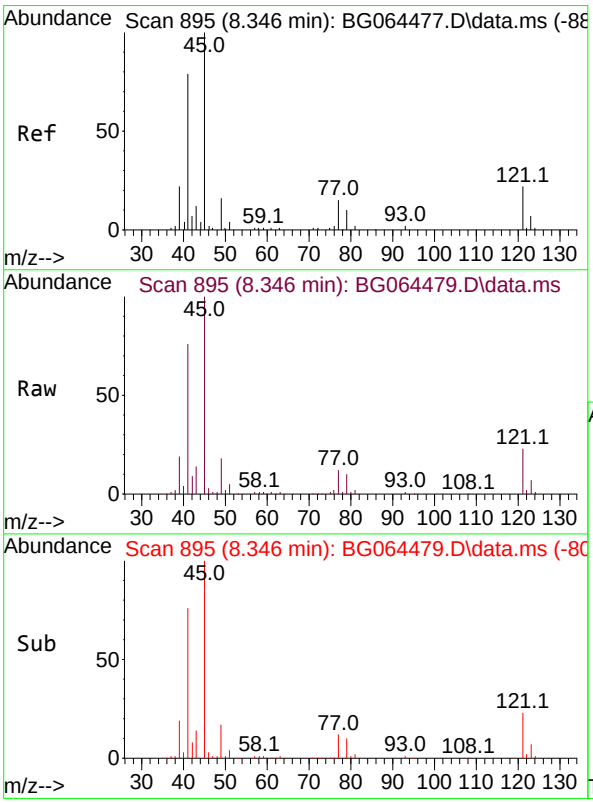
Ion	Ratio	Lower	Upper
79	100		
108	65.9	56.4	84.6
77	63.3	58.3	87.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

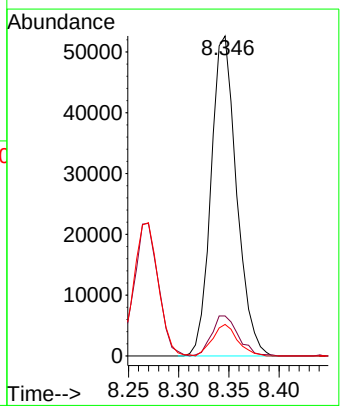
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

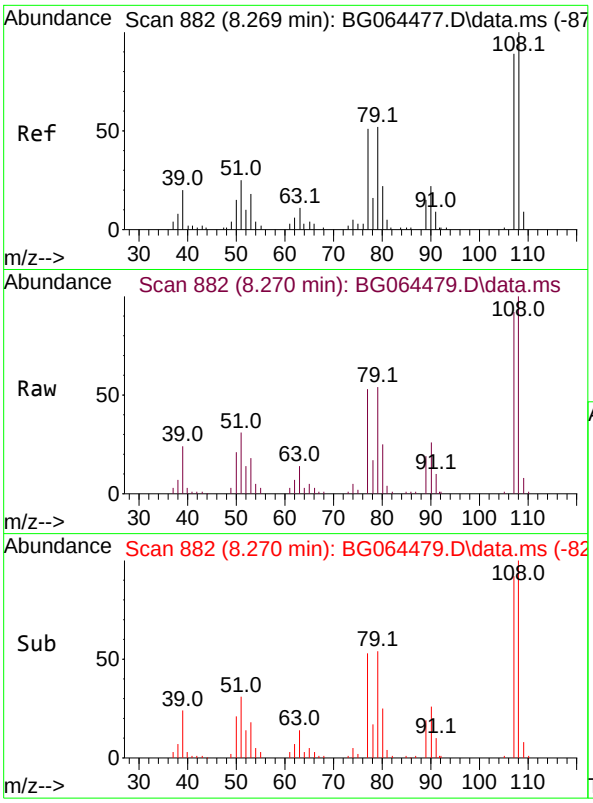


#16
2,2'-oxybis(1-Chloropropane)
Concen: 61.262 ng
RT: 8.346 min Scan# 895
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 45 Resp: 93010

Ion	Ratio	Lower	Upper
45	100		
77	12.5	0.0	35.6
79	9.8	0.0	30.7

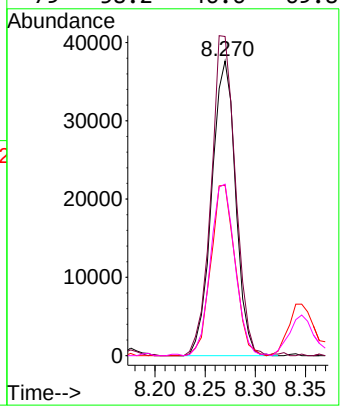




#17
2-Methylphenol
Concen: 61.823 ng
RT: 8.270 min Scan# 88
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:107 Resp: 6226

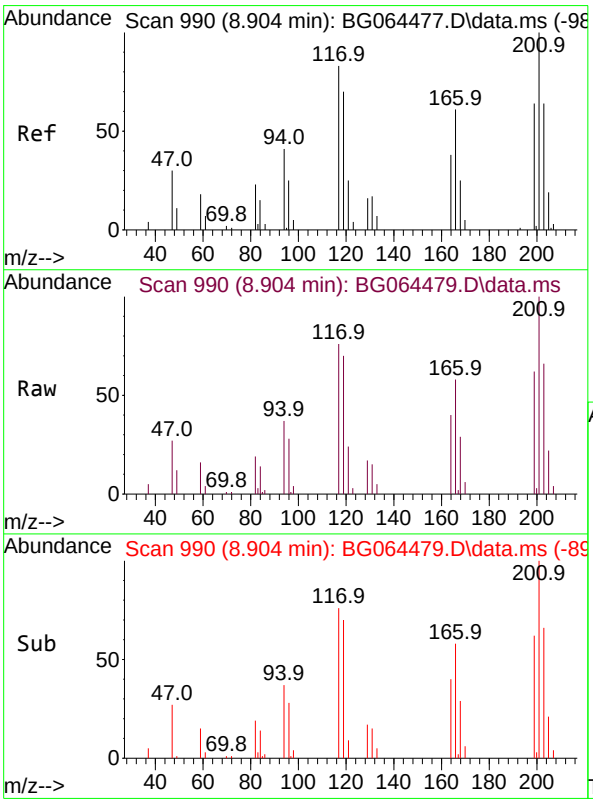
Ion	Ratio	Lower	Upper
107	100		
108	108.3	90.3	135.5
77	57.9	46.0	69.0
79	58.2	46.6	69.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

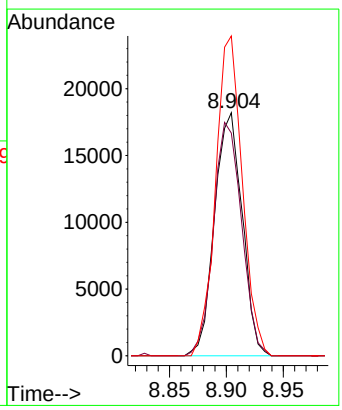
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

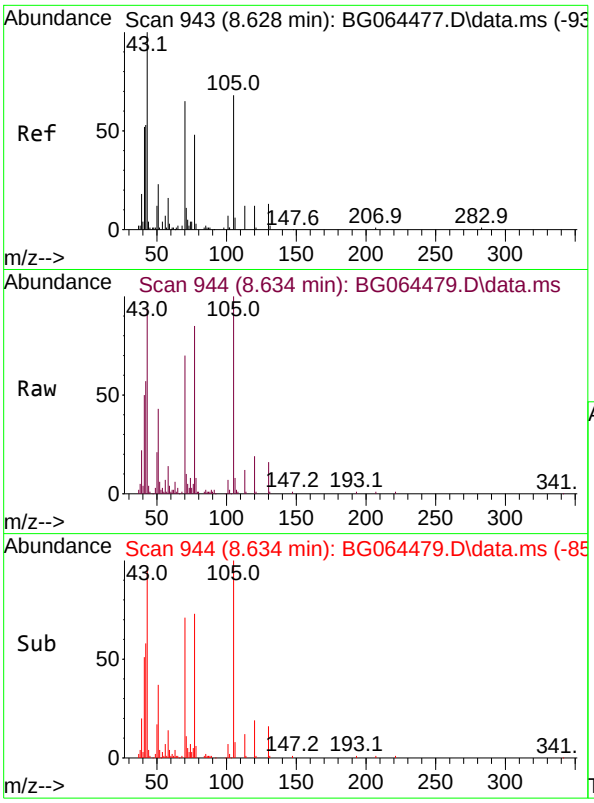


#18
Hexachloroethane
Concen: 59.041 ng
RT: 8.904 min Scan# 990
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:117 Resp: 30824

Ion	Ratio	Lower	Upper
117	100		
119	91.7	67.4	101.0
201	131.7	95.9	143.9

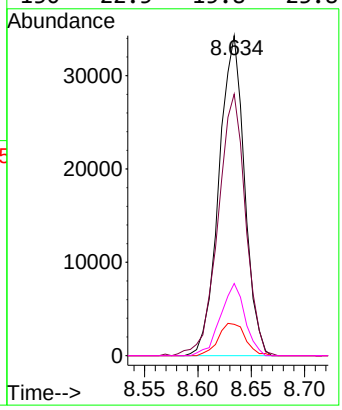




#19
n-Nitroso-di-n-propylamine
Concen: 64.752 ng
RT: 8.634 min Scan# 94
Delta R.T. 0.020 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 70 Resp: 5709

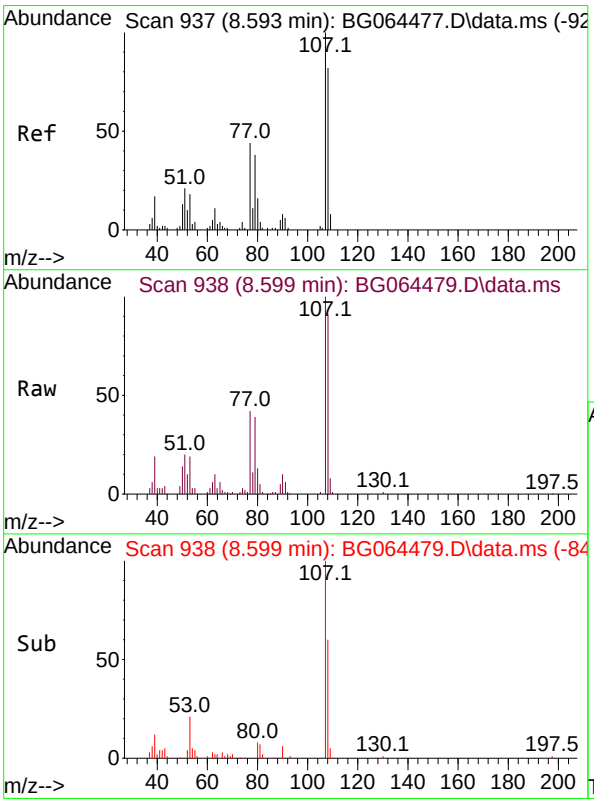
Ion	Ratio	Lower	Upper
70	100		
42	81.7	64.9	97.3
101	9.8	8.7	13.1
130	22.5	15.8	23.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

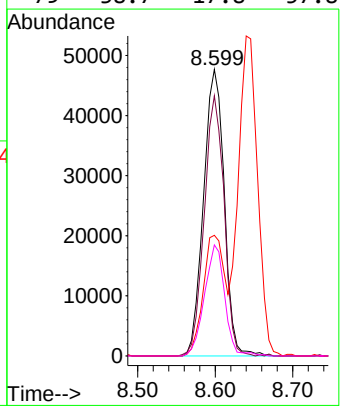
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

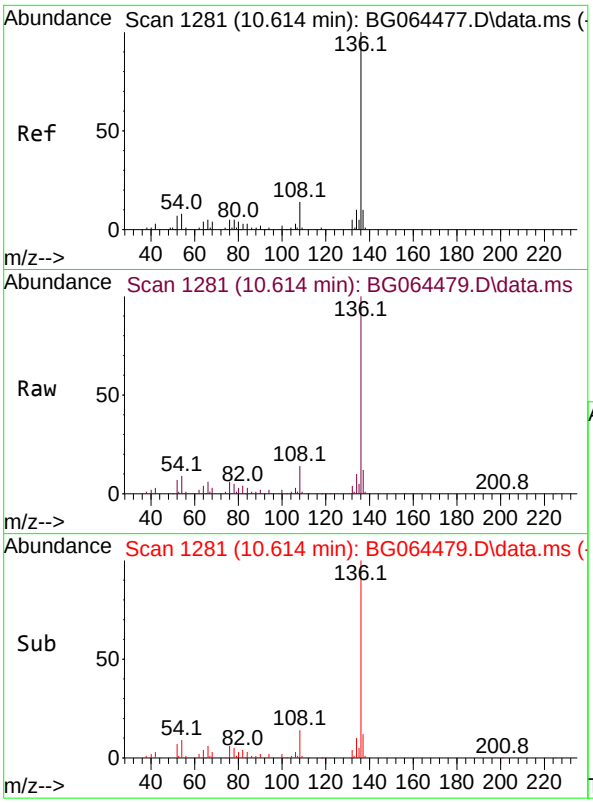


#20
3+4-Methylphenols
Concen: 62.850 ng
RT: 8.599 min Scan# 938
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:107 Resp: 88330

Ion	Ratio	Lower	Upper
107	100		
108	90.8	62.1	102.1
77	42.1	23.5	63.5
79	38.7	17.8	57.8

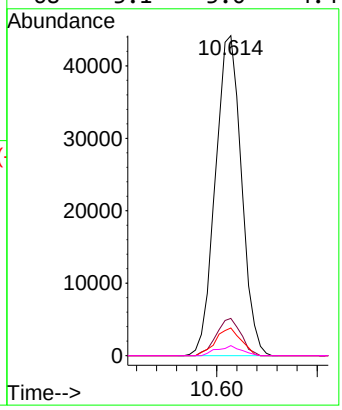




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.614 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:136 Resp: 7971

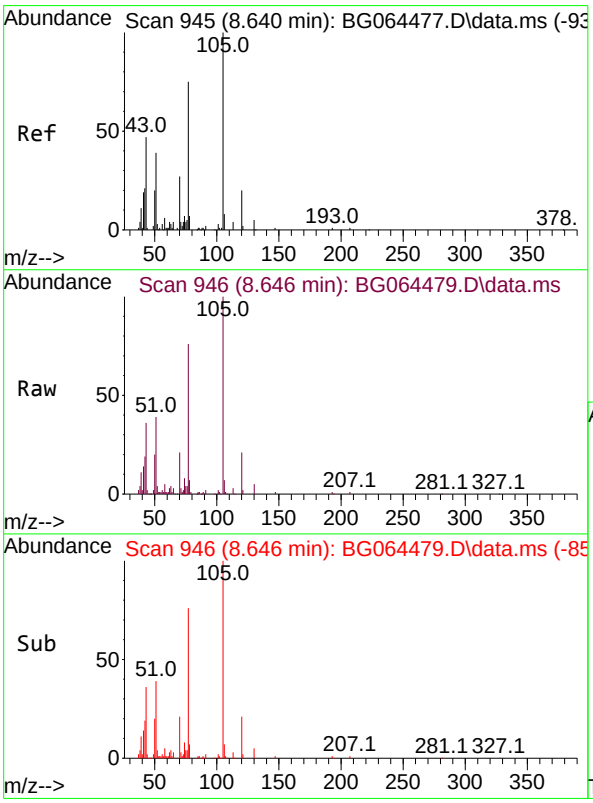
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.3	12.5
54	8.6	6.2	9.4
68	3.1	3.0	4.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

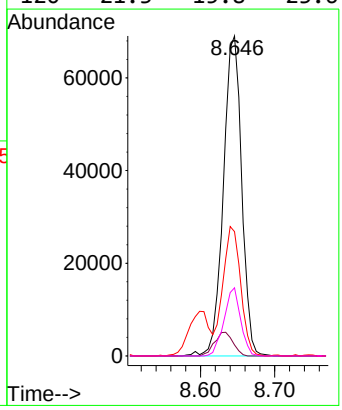
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

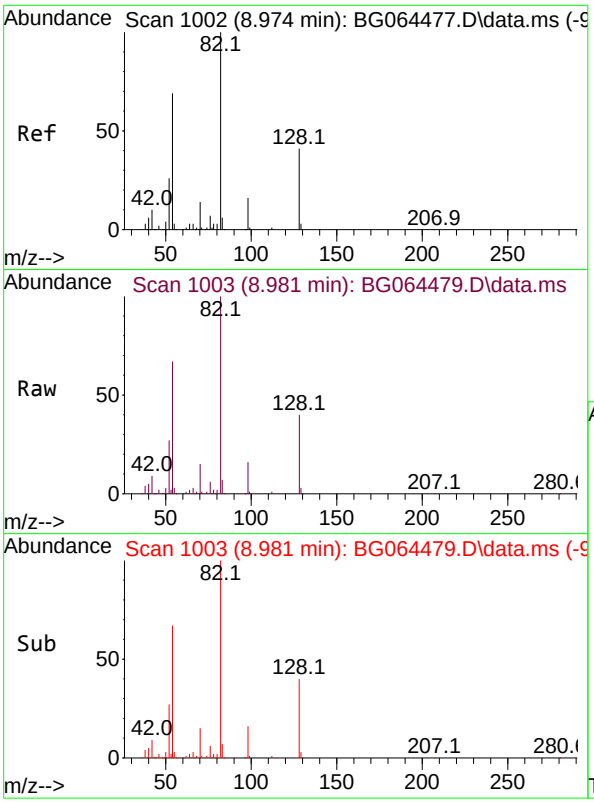


#22
Acetophenone
Concen: 61.322 ng
RT: 8.646 min Scan# 946
Delta R.T. 0.014 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:105 Resp: 118355

Ion	Ratio	Lower	Upper
105	100		
71	3.5	2.8	4.2
51	38.8	33.0	49.4
120	21.3	15.8	23.6

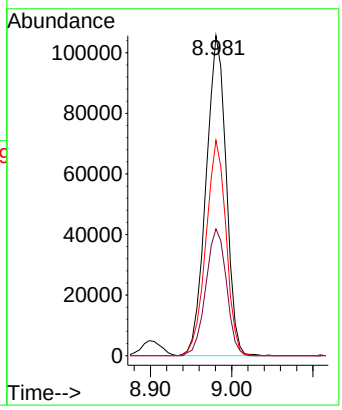




#23
Nitrobenzene-d5
Concen: 122.779 ng
RT: 8.981 min Scan# 1
Delta R.T. 0.014 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 82 Resp: 18201

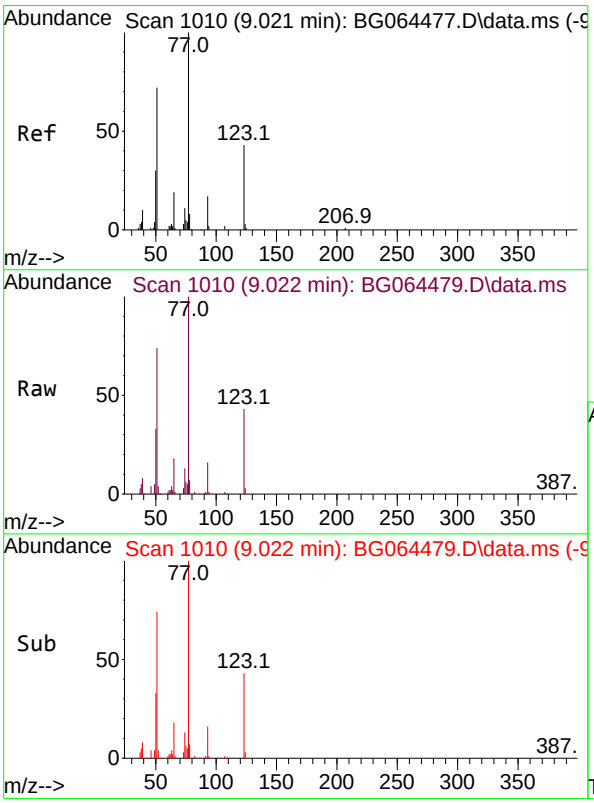
Ion	Ratio	Lower	Upper
82	100		
128	39.6	33.1	49.7
54	67.3	55.4	83.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

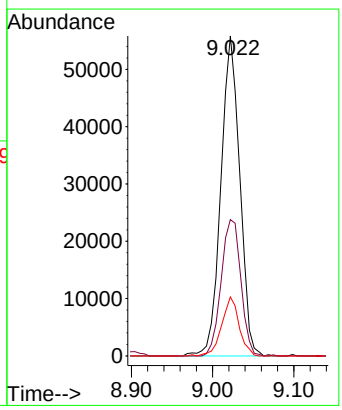
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

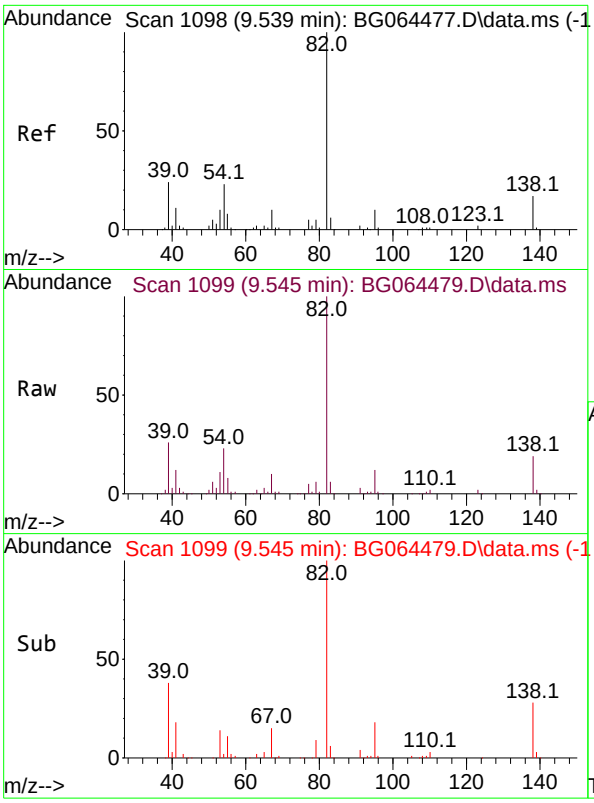


#24
Nitrobenzene
Concen: 60.977 ng
RT: 9.022 min Scan# 1010
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 77 Resp: 90145

Ion	Ratio	Lower	Upper
77	100		
123	42.6	34.4	51.6
65	18.4	14.8	22.2

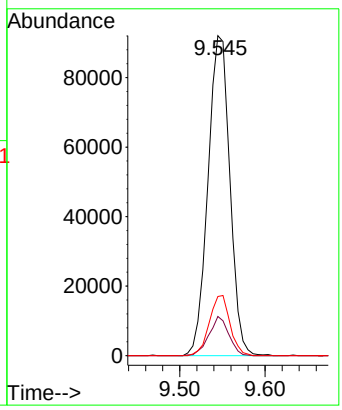




#25
Isophorone
Concen: 61.043 ng
RT: 9.545 min Scan# 1
Delta R.T. 0.014 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 82 Resp: 16394

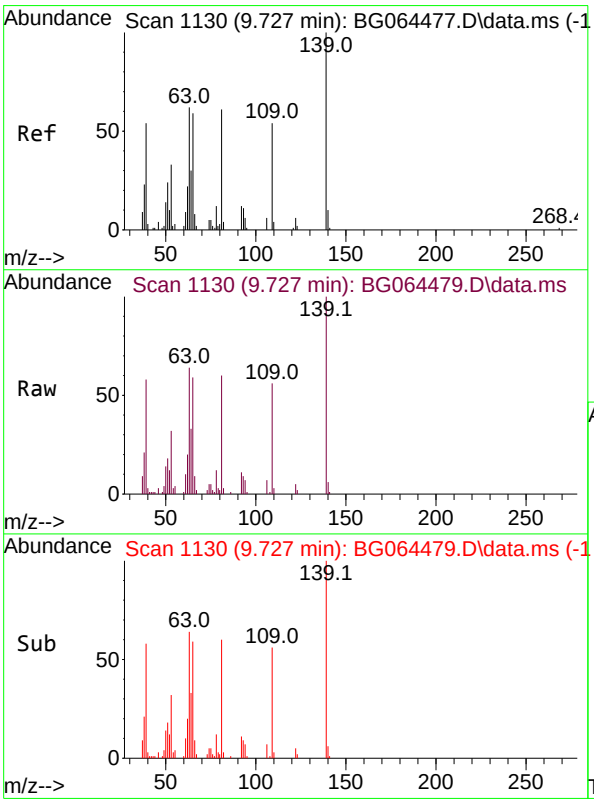
Ion	Ratio	Lower	Upper
82	100		
95	12.2	7.8	11.8#
138	18.5	13.8	20.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

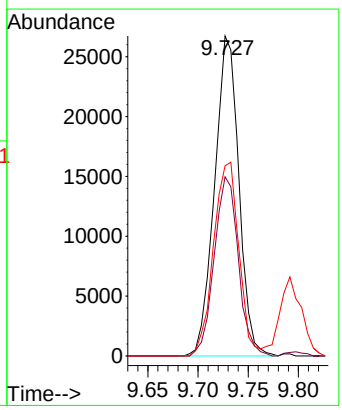
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

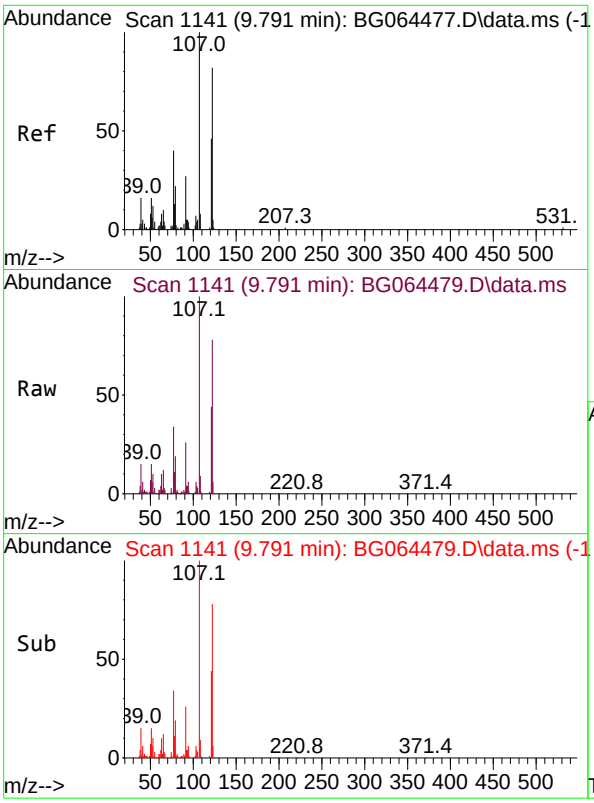


#26
2-Nitrophenol
Concen: 61.140 ng
RT: 9.727 min Scan# 1130
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:139 Resp: 44985

Ion	Ratio	Lower	Upper
139	100		
109	56.0	43.0	64.6
65	59.4	47.4	71.2

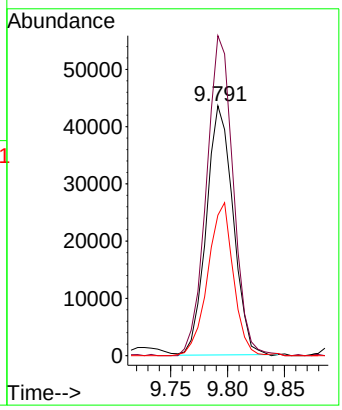




#27
2,4-Dimethylphenol
Concen: 63.308 ng
RT: 9.791 min Scan# 11
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:122 Resp: 7114

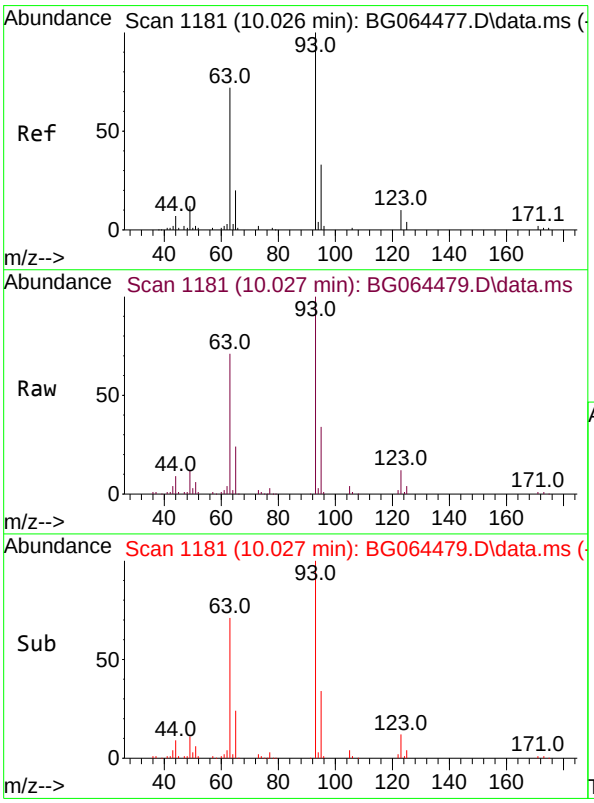
Ion	Ratio	Lower	Upper
122	100		
107	128.1	98.3	147.5
121	56.2	44.7	67.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

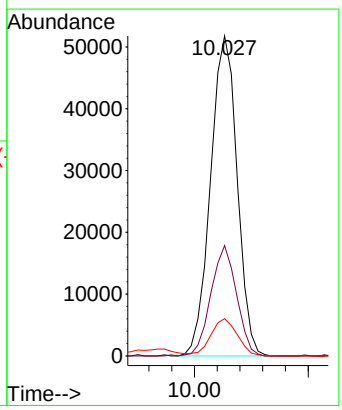
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

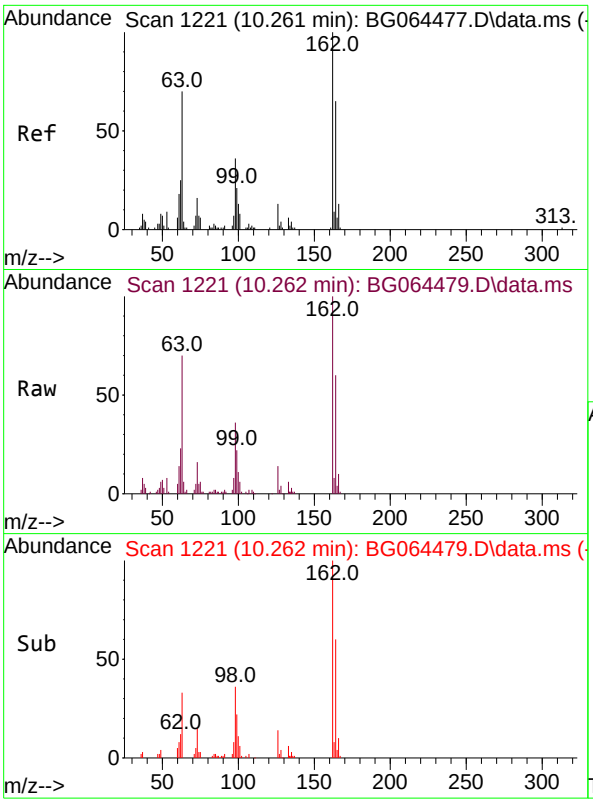


#28
bis(2-Chloroethoxy)methane
Concen: 61.433 ng
RT: 10.027 min Scan# 1181
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 93 Resp: 84101

Ion	Ratio	Lower	Upper
93	100		
95	34.5	26.5	39.7
123	11.6	8.9	13.3

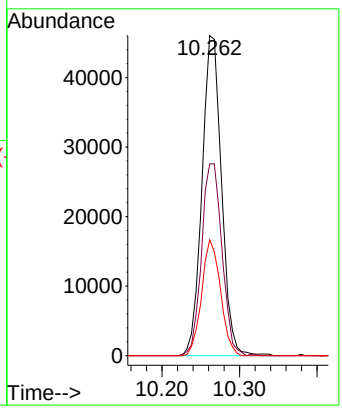




#29
2,4-Dichlorophenol
Concen: 61.860 ng
RT: 10.262 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:162 Resp: 8039

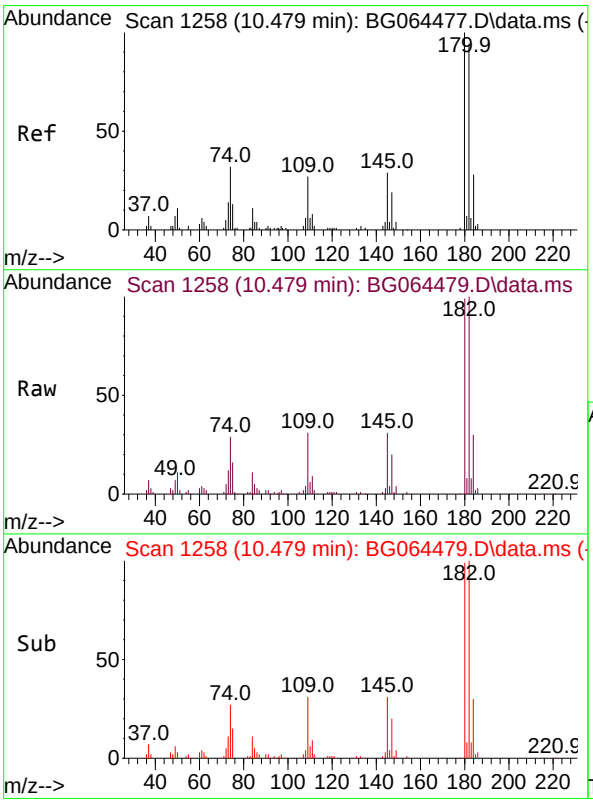
Ion	Ratio	Lower	Upper
162	100		
164	59.9	45.4	85.4
98	36.2	16.4	56.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

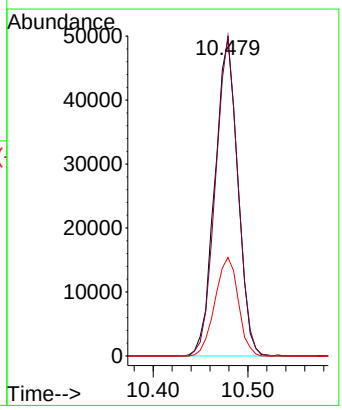
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

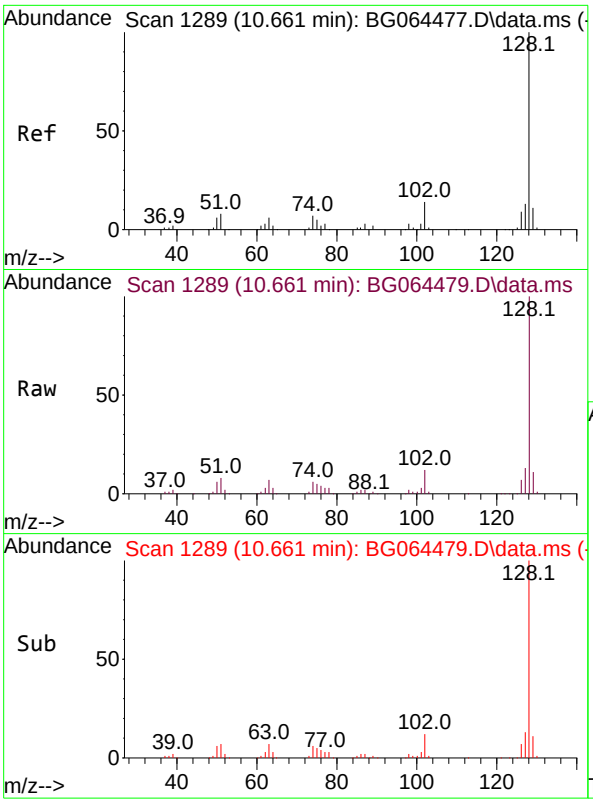


#30
1,2,4-Trichlorobenzene
Concen: 58.922 ng
RT: 10.479 min Scan# 1258
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:180 Resp: 83491

Ion	Ratio	Lower	Upper
180	100		
182	101.0	75.4	113.2
145	31.1	23.2	34.8

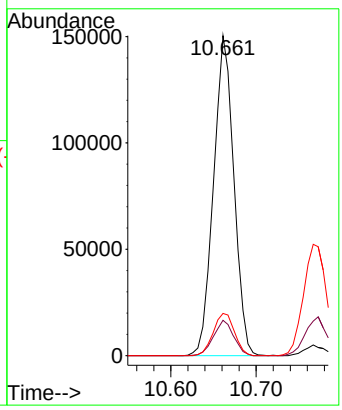




#31
Naphthalene
Concen: 60.652 ng
RT: 10.661 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:128 Resp: 24896

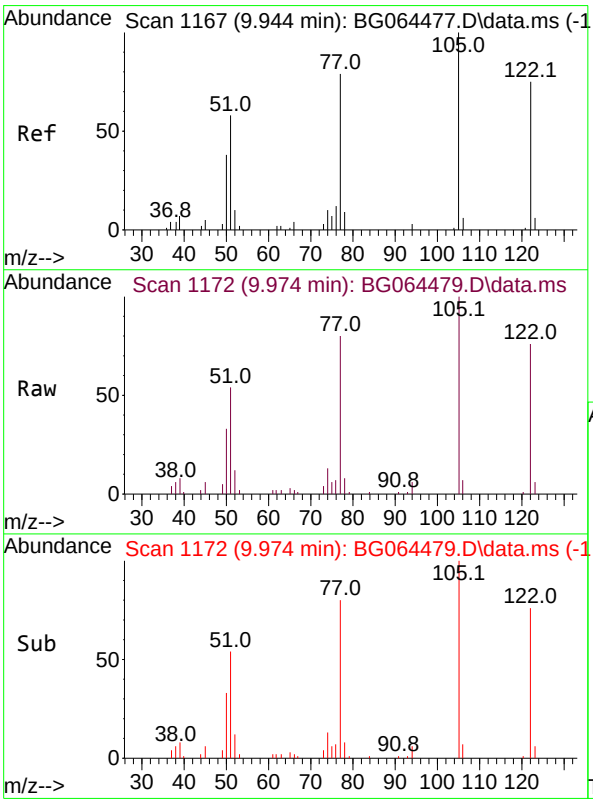
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.2	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

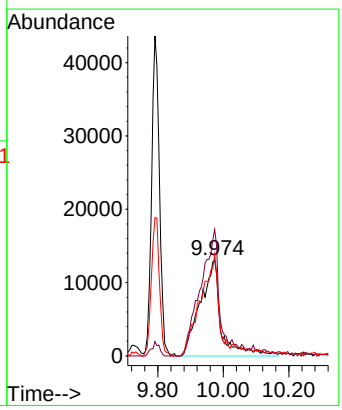
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

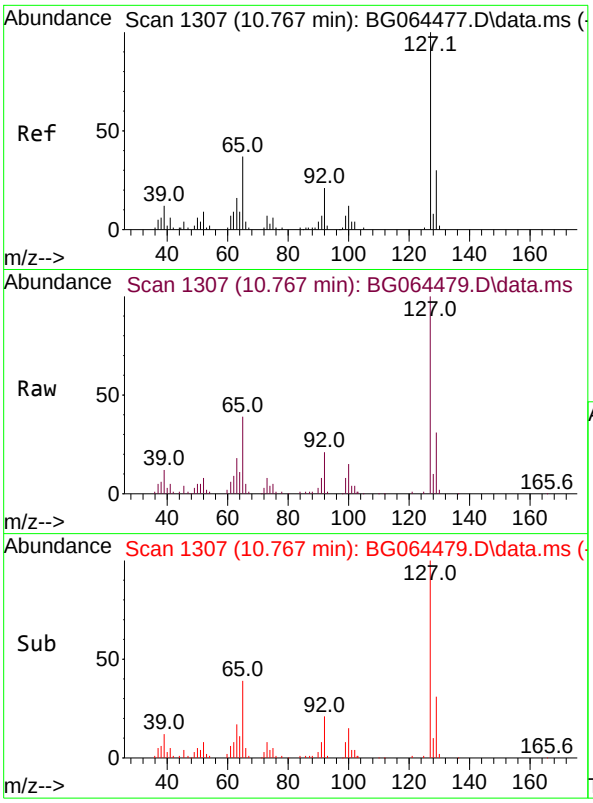


#32
Benzoic acid
Concen: 66.902 ng m
RT: 9.974 min Scan# 1172
Delta R.T. 0.085 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:122 Resp: 57724

Ion	Ratio	Lower	Upper
122	100		
105	132.1	113.9	153.9
77	106.1	86.1	126.1

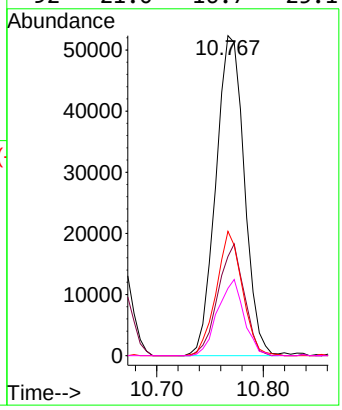




#33
4-Chloroaniline
Concen: 61.625 ng
RT: 10.767 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:127 Resp: 9706

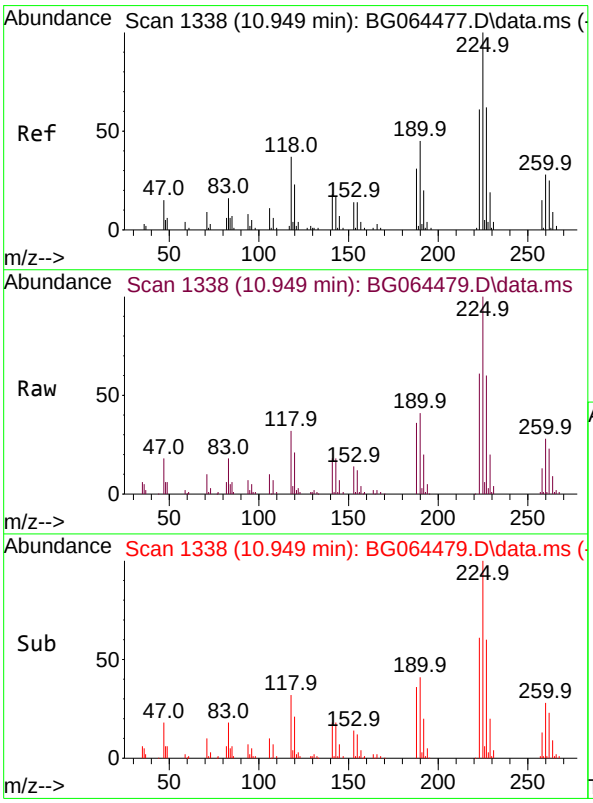
Ion	Ratio	Lower	Upper
127	100		
129	31.0	24.2	36.4
65	38.8	29.6	44.4
92	21.0	16.7	25.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

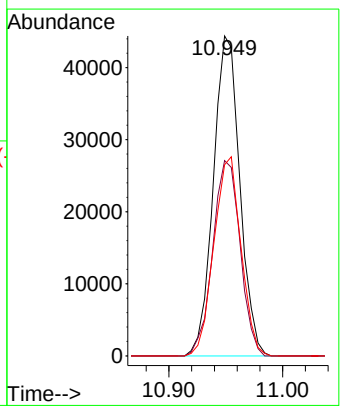
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

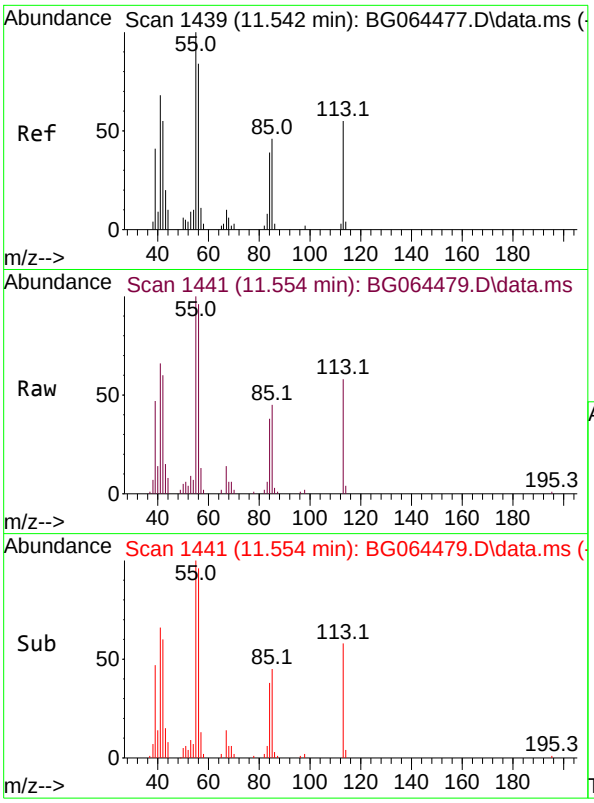


#34
Hexachlorobutadiene
Concen: 59.141 ng
RT: 10.949 min Scan# 1338
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:225 Resp: 71767

Ion	Ratio	Lower	Upper
225	100		
223	61.0	49.0	73.6
227	59.7	49.9	74.9

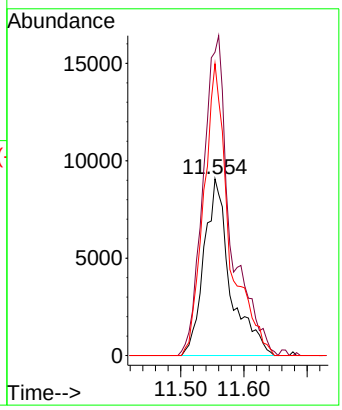




#35
Caprolactam
Concen: 59.294 ng
RT: 11.554 min Scan# 14
Delta R.T. 0.044 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:113 Resp: 2637

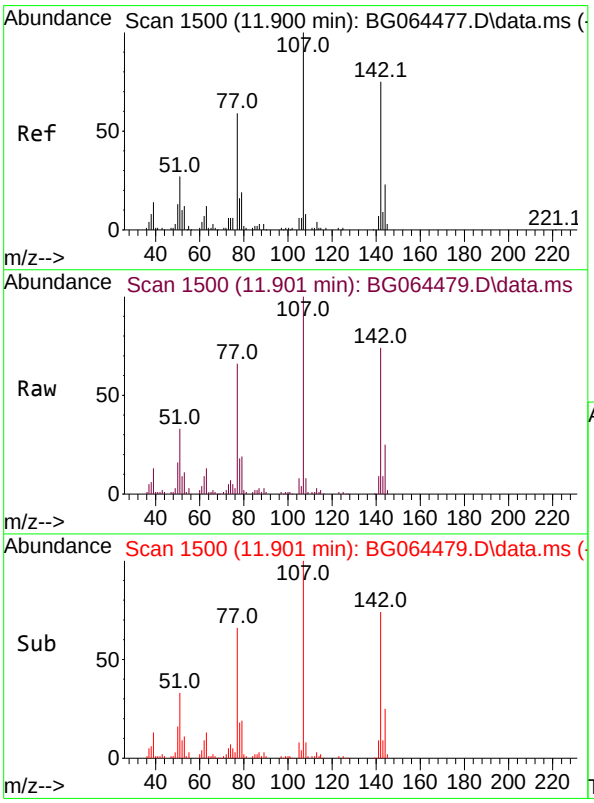
Ion	Ratio	Lower	Upper
113	100		
55	171.8	162.0	202.0
56	165.2	134.6	174.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

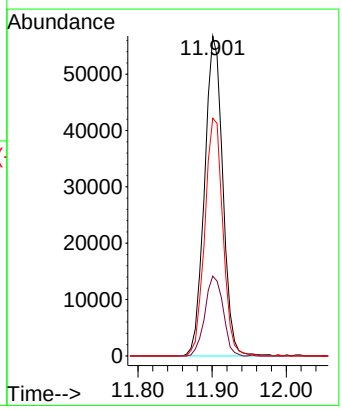
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

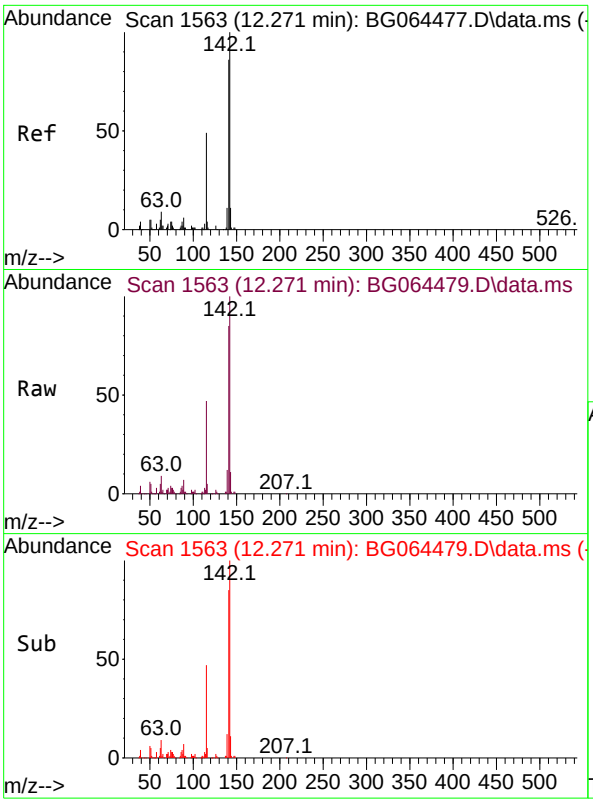


#36
4-Chloro-3-methylphenol
Concen: 61.261 ng
RT: 11.901 min Scan# 1500
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:107 Resp: 96815

Ion	Ratio	Lower	Upper
107	100		
144	24.9	18.7	28.1
142	74.3	60.2	90.2

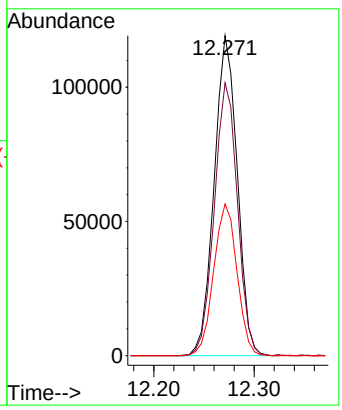




#37
2-Methylnaphthalene
Concen: 60.616 ng
RT: 12.271 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:142 Resp: 19099

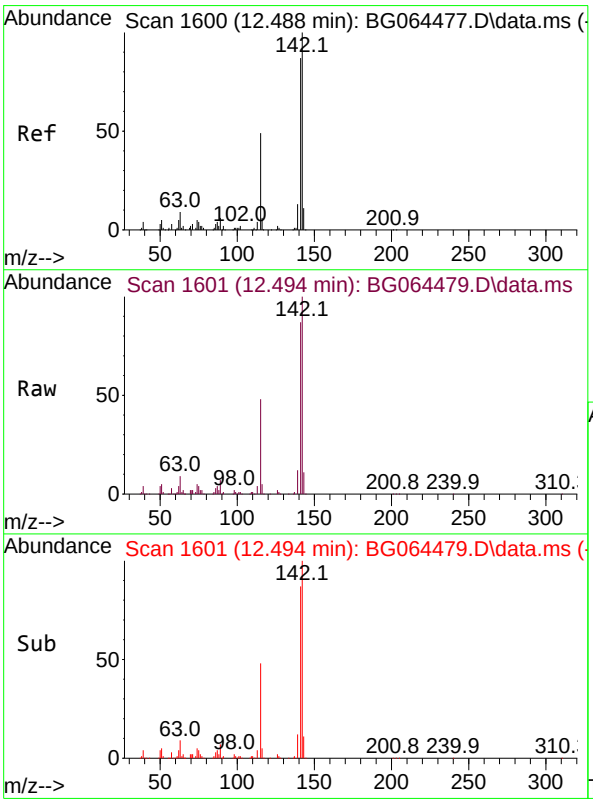
Ion	Ratio	Lower	Upper
142	100		
141	85.2	68.7	103.1
115	47.4	39.3	58.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

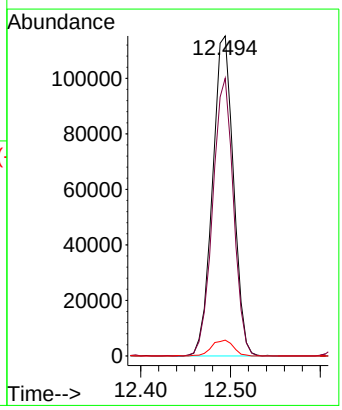
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

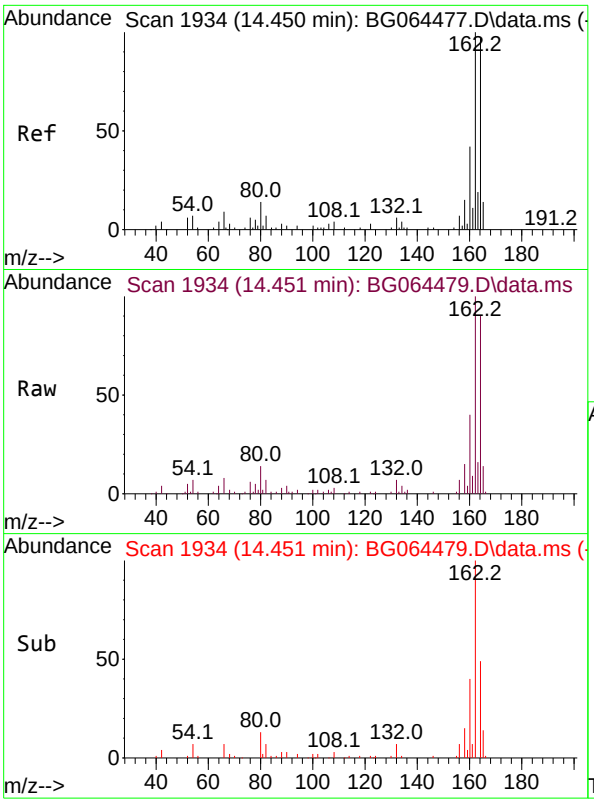


#38
1-Methylnaphthalene
Concen: 59.679 ng
RT: 12.494 min Scan# 1601
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:142 Resp: 187504

Ion	Ratio	Lower	Upper
142	100		
141	86.8	69.8	104.8
116	4.9	4.6	6.8

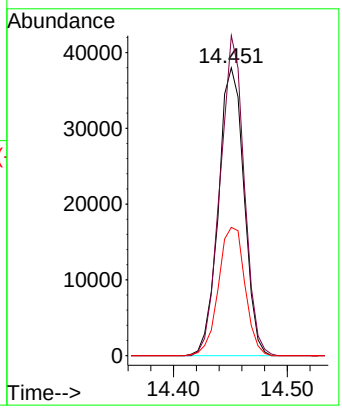




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 19
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:164 Resp: 5922

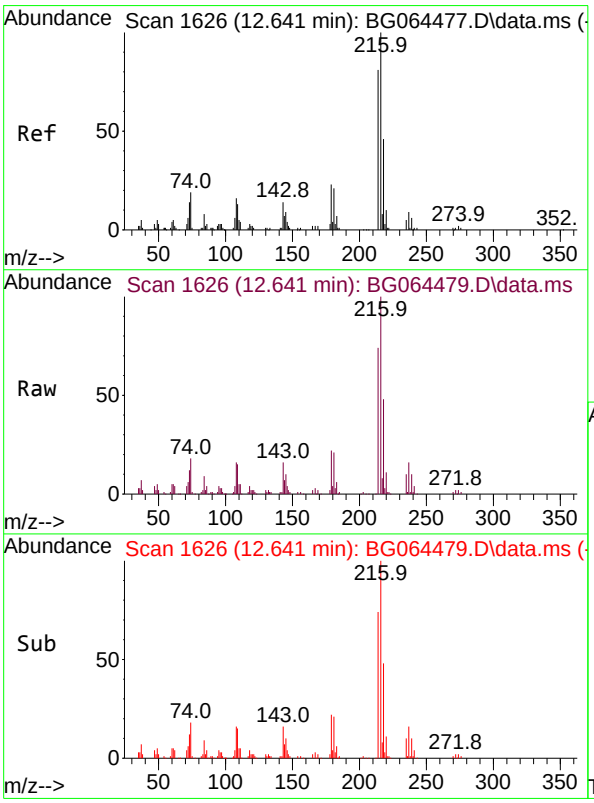
Ion	Ratio	Lower	Upper
164	100		
162	111.2	82.2	123.2
160	44.6	34.3	51.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

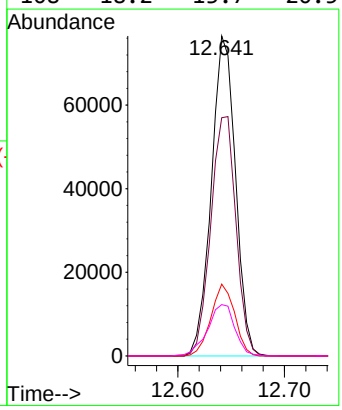
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

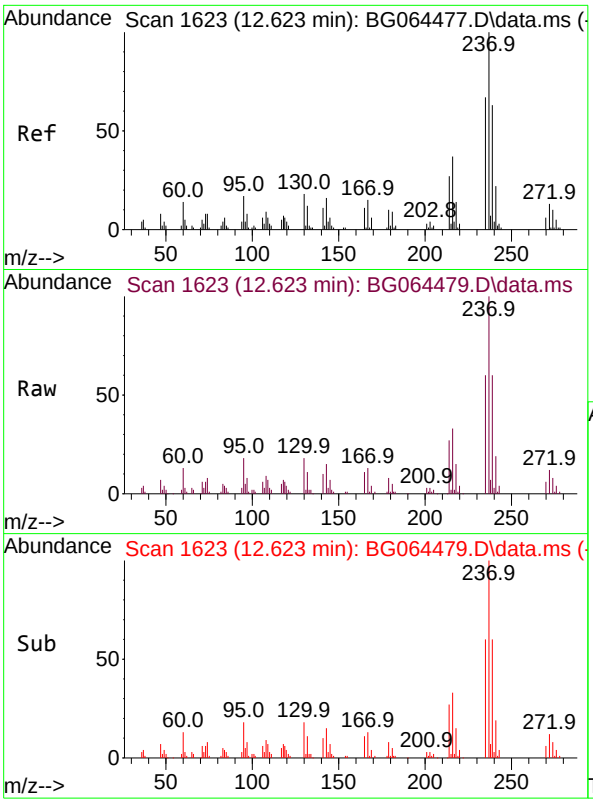


#40
1,2,4,5-Tetrachlorobenzene
Concen: 63.034 ng
RT: 12.641 min Scan# 1626
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:216 Resp: 120531

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.5	93.7
179	22.0	17.0	25.6
108	18.2	13.7	20.5

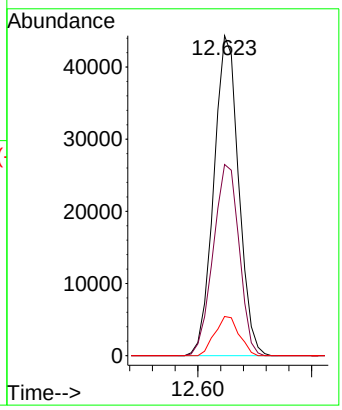




#41
Hexachlorocyclopentadiene
Concen: 67.119 ng
RT: 12.623 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:237 Resp: 6713

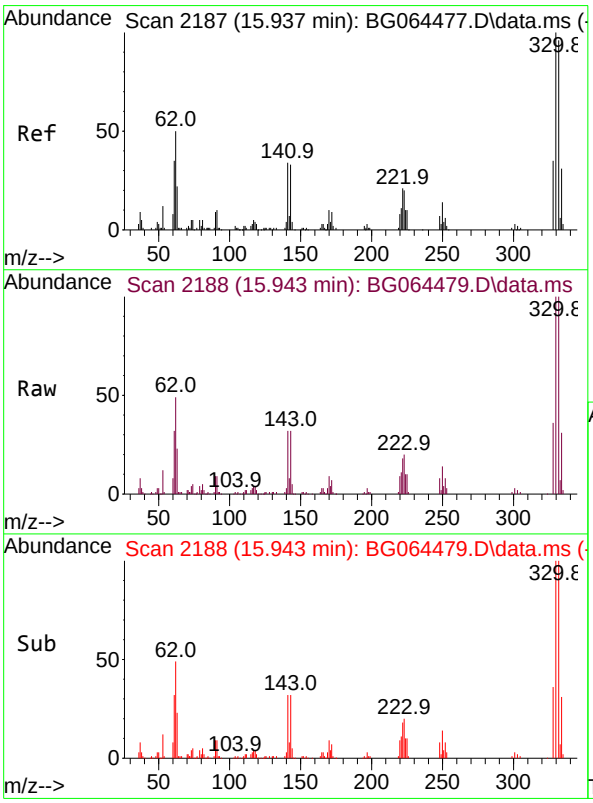
Ion	Ratio	Lower	Upper
237	100		
235	59.7	46.9	86.9
272	12.2	0.0	32.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

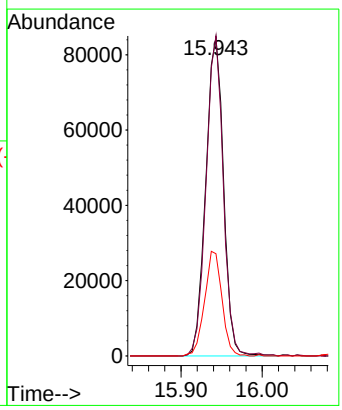
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

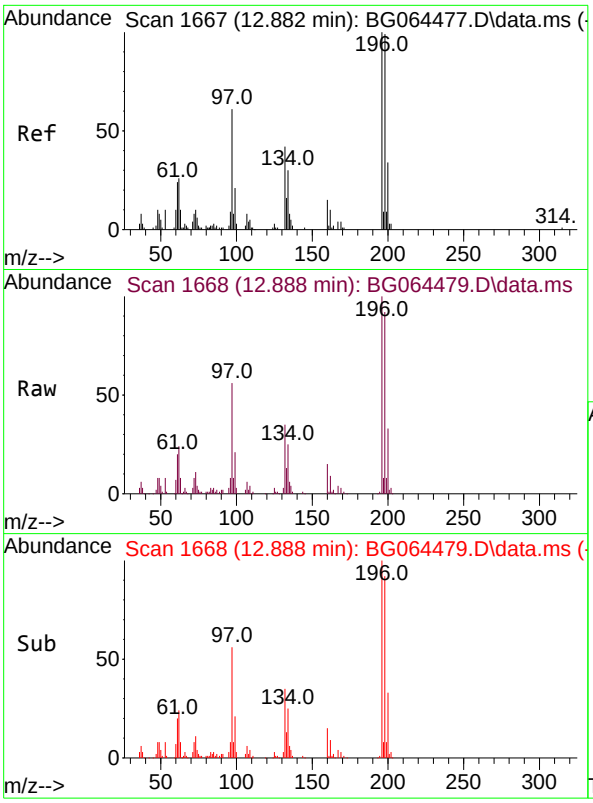


#42
2,4,6-Tribromophenol
Concen: 119.659 ng
RT: 15.943 min Scan# 2188
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:330 Resp: 128452

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.4	116.0
141	32.1	25.8	38.6





#43
2,4,6-Trichlorophenol
Concen: 63.395 ng
RT: 12.888 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

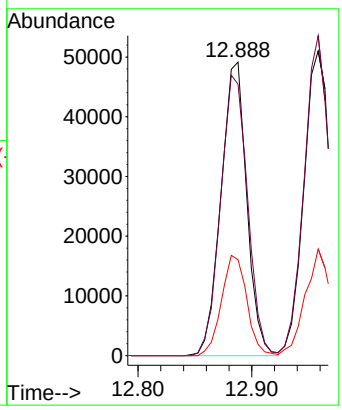
Tgt Ion:196 Resp: 7749

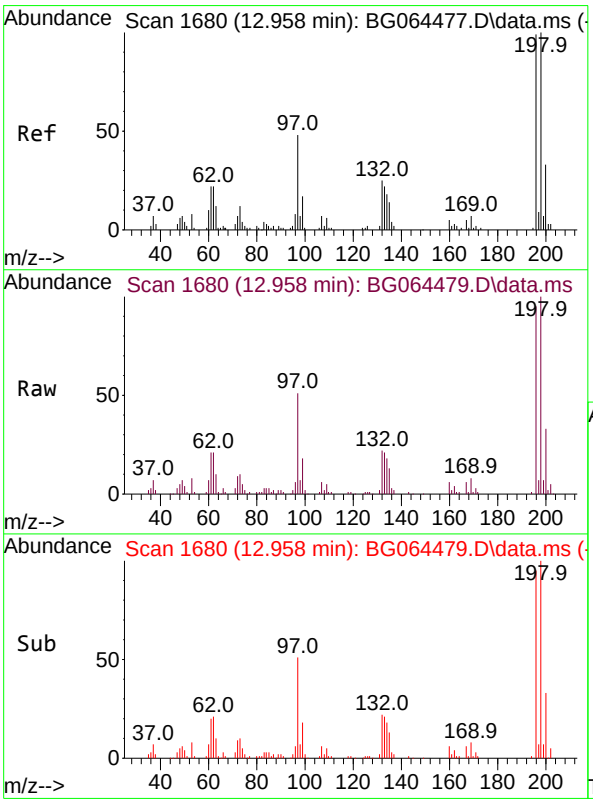
Ion	Ratio	Lower	Upper
196	100		
198	92.4	79.3	118.9
200	32.7	27.4	41.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

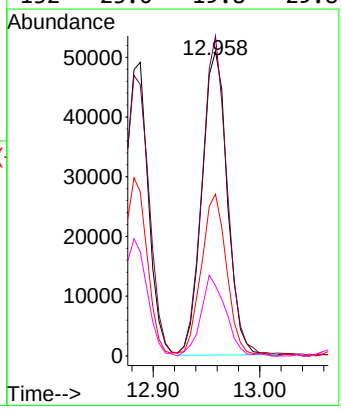


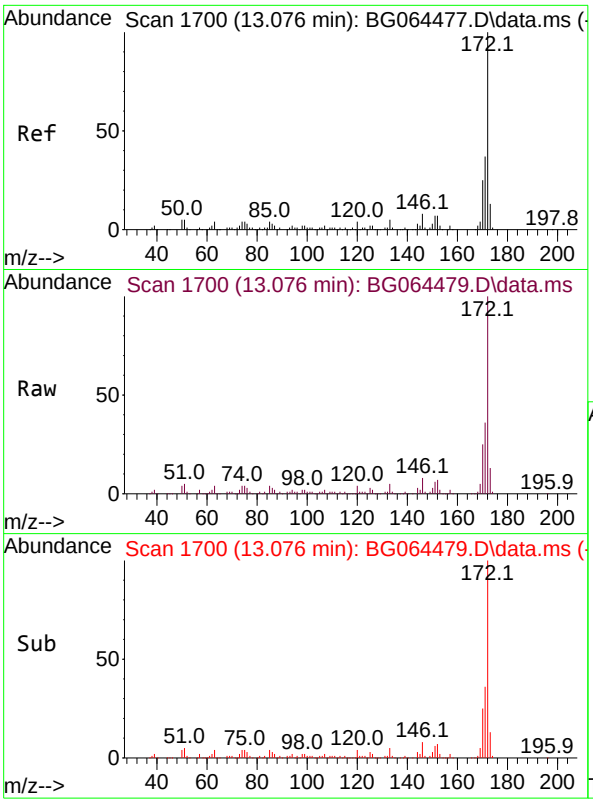


#44
2,4,5-Trichlorophenol
Concen: 61.556 ng
RT: 12.958 min Scan# 1680
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:196 Resp: 84004

Ion	Ratio	Lower	Upper
196	100		
198	105.0	80.3	120.5
97	53.1	39.4	59.0
132	23.0	19.8	29.8

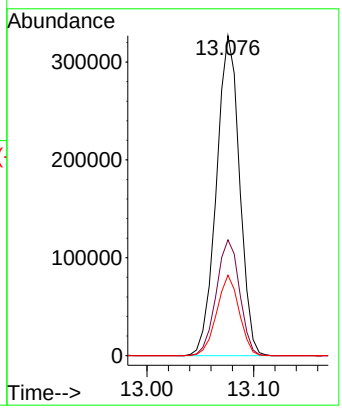




#45
2-Fluorobiphenyl
Concen: 122.847 ng
RT: 13.076 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:172 Resp: 49357

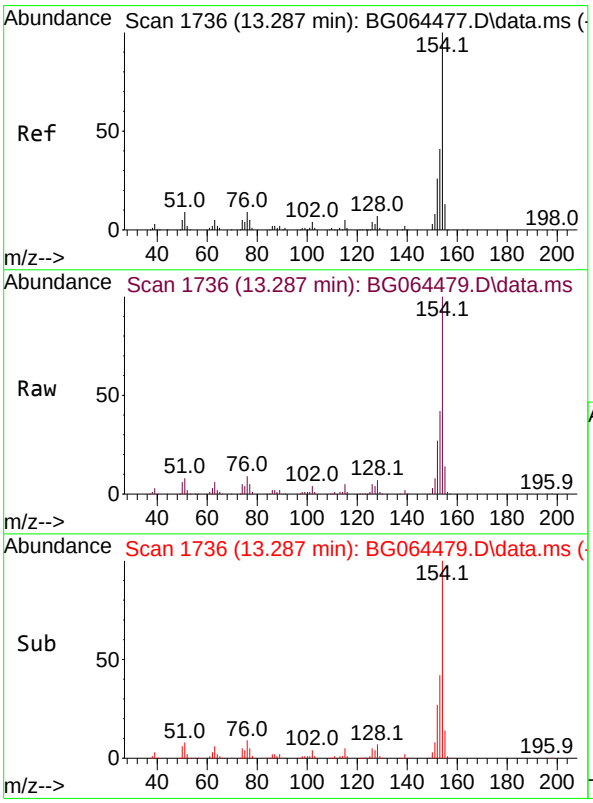
Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	25.1	20.2	30.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

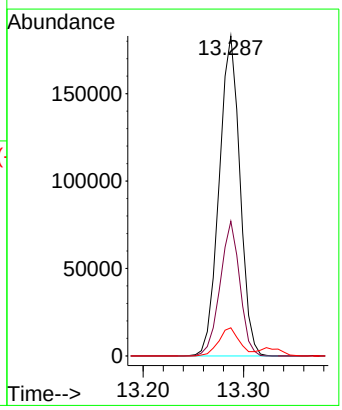
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

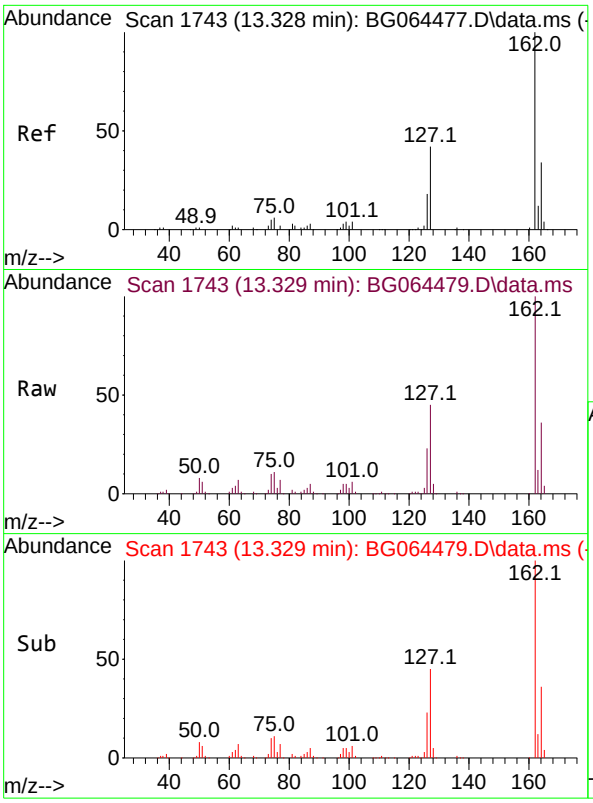


#46
1,1'-Biphenyl
Concen: 61.885 ng
RT: 13.287 min Scan# 1736
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:154 Resp: 263596

Ion	Ratio	Lower	Upper
154	100		
153	42.1	20.7	60.7
76	8.8	0.0	29.3

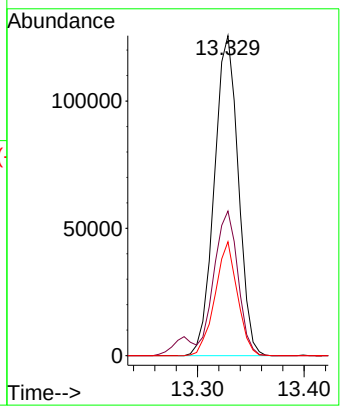




#47
2-Chloronaphthalene
Concen: 61.791 ng
RT: 13.329 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:162 Resp: 19650

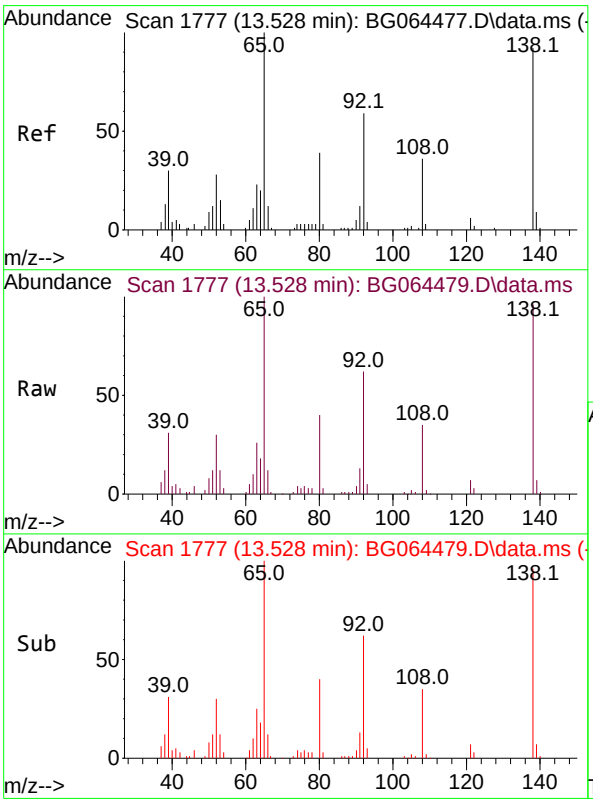
Ion	Ratio	Lower	Upper
162	100		
127	45.2	35.8	53.8
164	35.6	27.2	40.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

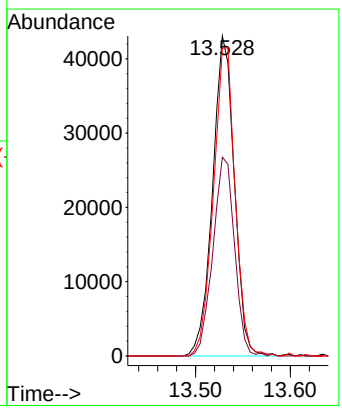
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

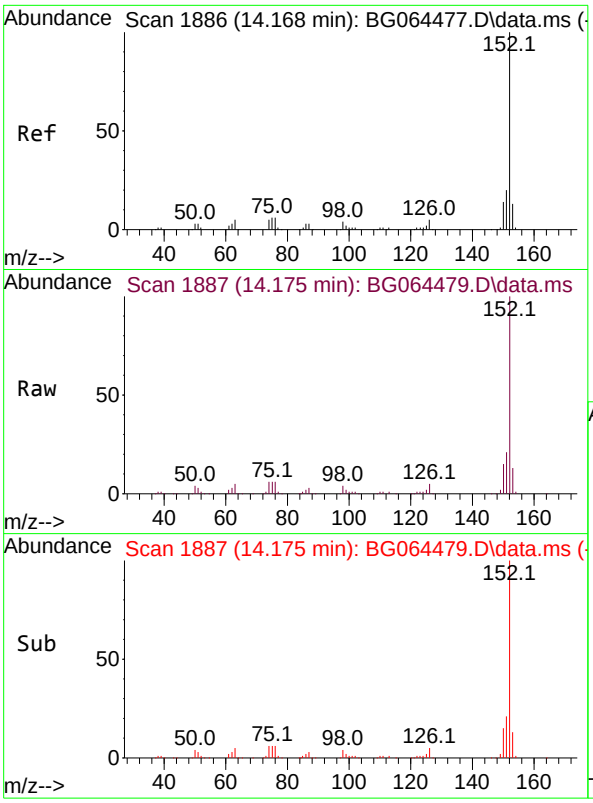


#48
2-Nitroaniline
Concen: 63.078 ng
RT: 13.528 min Scan# 1777
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 65 Resp: 68465

Ion	Ratio	Lower	Upper
65	100		
92	62.1	47.0	70.6
138	96.1	73.5	110.3

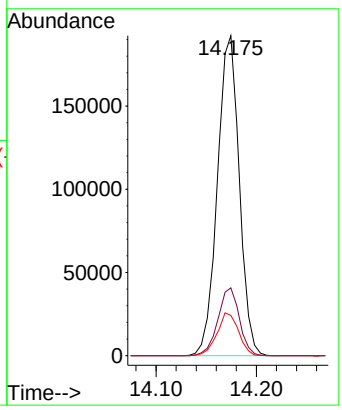




#49
Acenaphthylene
Concen: 61.645 ng
RT: 14.175 min Scan# 18
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:152 Resp: 29101

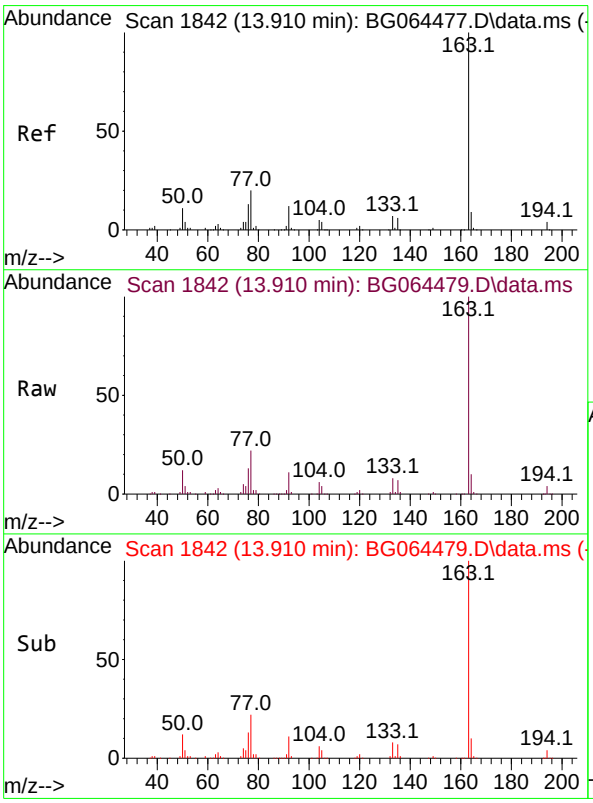
Ion	Ratio	Lower	Upper
152	100		
151	21.2	15.8	23.6
153	12.6	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

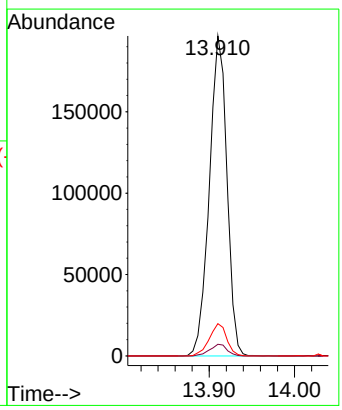
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

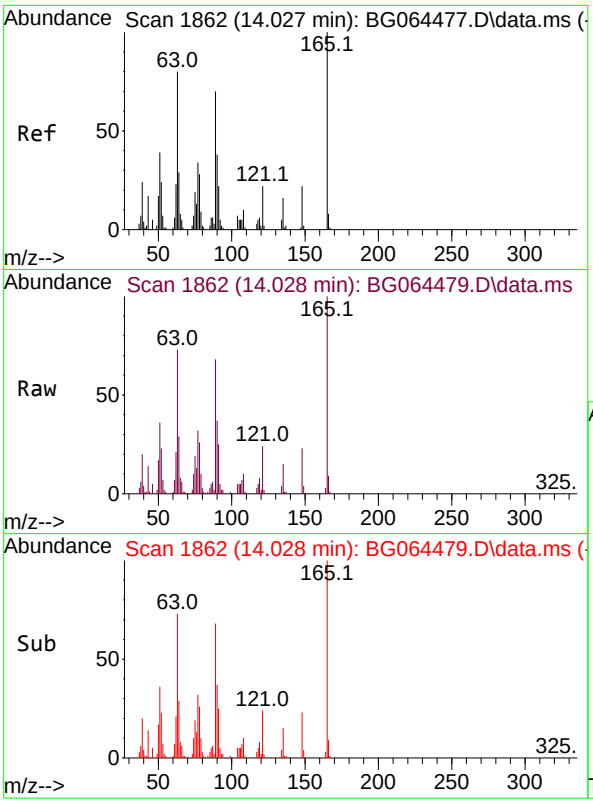


#50
Dimethylphthalate
Concen: 60.755 ng
RT: 13.910 min Scan# 1842
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:163 Resp: 281798

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.9	4.3
164	10.1	7.4	11.0

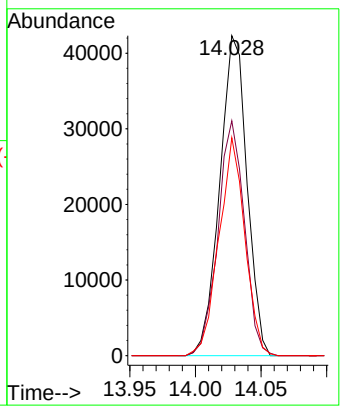




#51
2,6-Dinitrotoluene
Concen: 63.363 ng
RT: 14.028 min Scan# 18
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:165 Resp: 6122

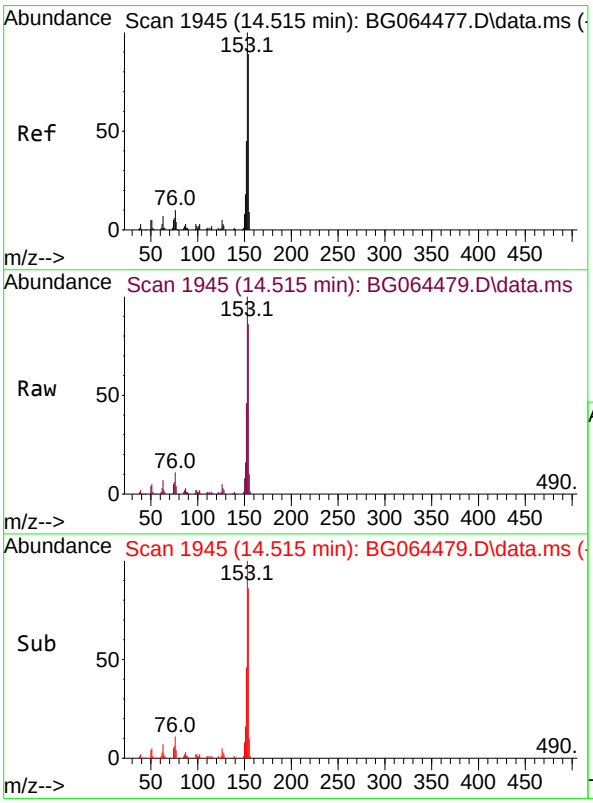
Ion	Ratio	Lower	Upper
165	100		
63	73.4	63.9	95.9
89	68.1	56.1	84.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

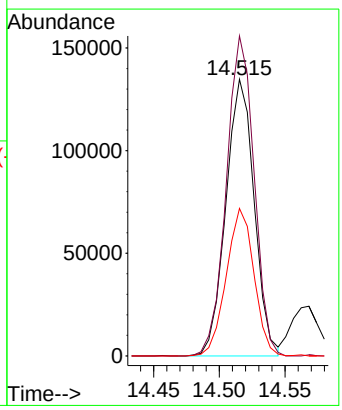
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

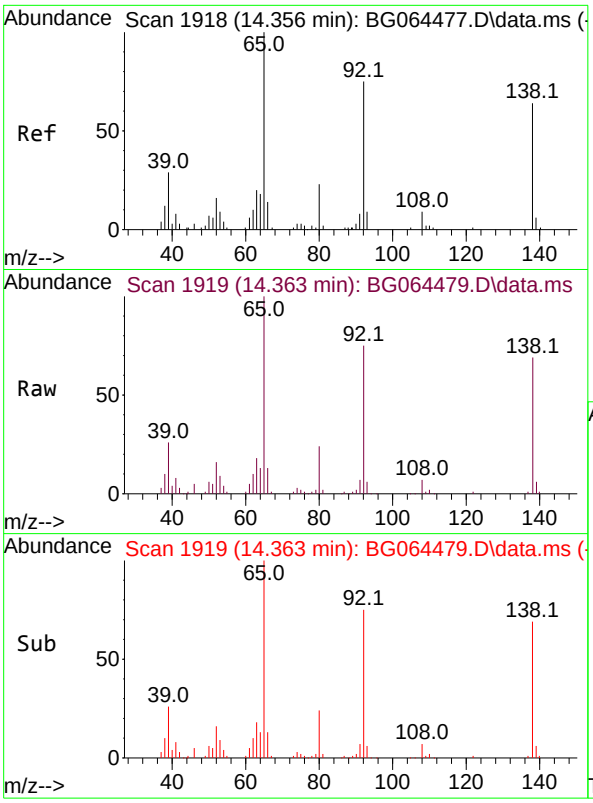


#52
Acenaphthene
Concen: 61.643 ng
RT: 14.515 min Scan# 1945
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:154 Resp: 202179

Ion	Ratio	Lower	Upper
154	100		
153	115.7	90.2	135.4
152	53.3	40.2	60.4

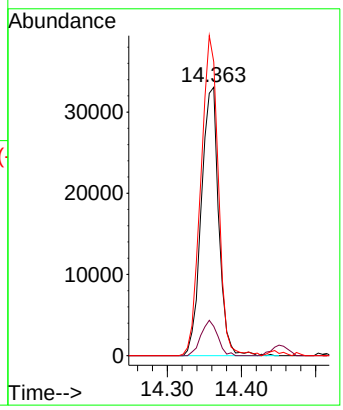




#53
3-Nitroaniline
Concen: 60.440 ng
RT: 14.363 min Scan# 19
Delta R.T. 0.014 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:138 Resp: 5385

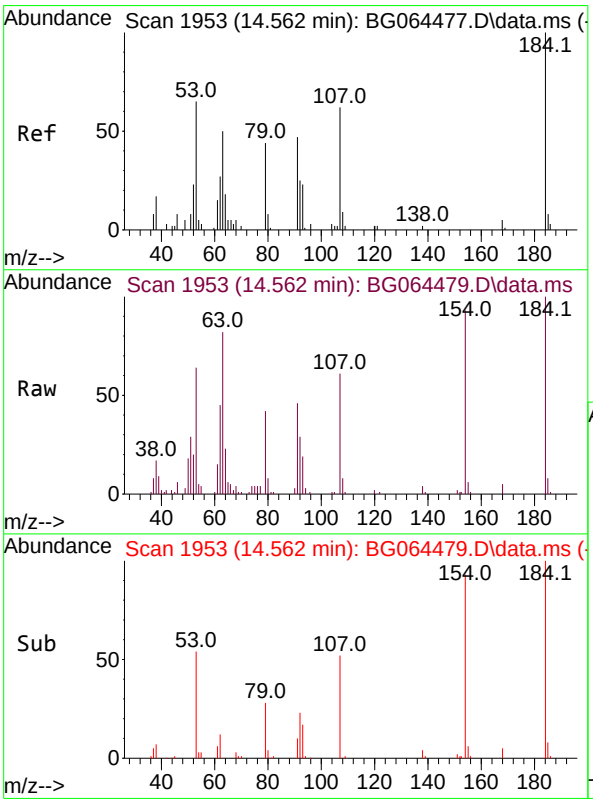
Ion	Ratio	Lower	Upper
138	100		
108	10.9	10.6	15.8
92	109.4	93.2	139.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

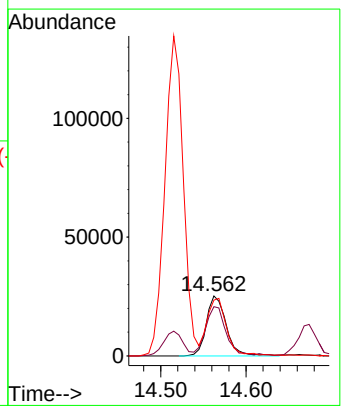
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

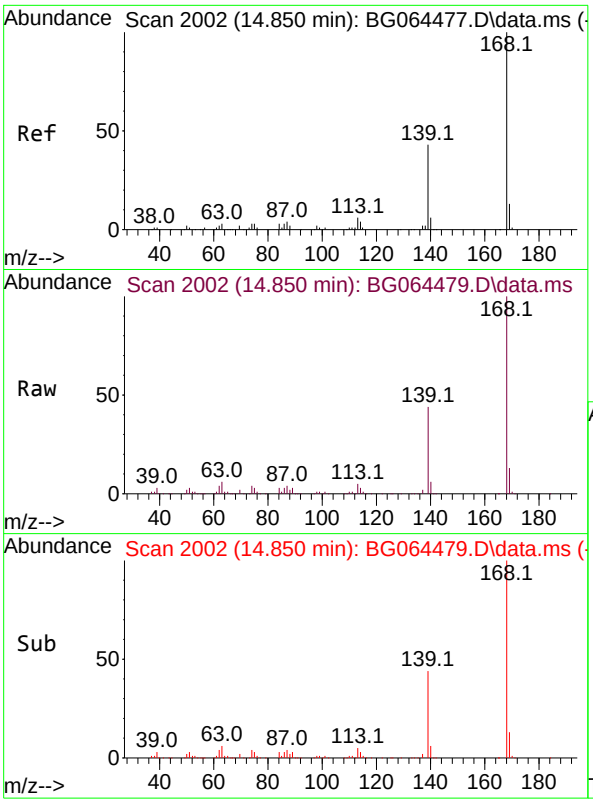


#54
2,4-Dinitrophenol
Concen: 58.053 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:184 Resp: 40673

Ion	Ratio	Lower	Upper
184	100		
63	82.0	69.0	103.4
154	93.0	95.6	143.4#

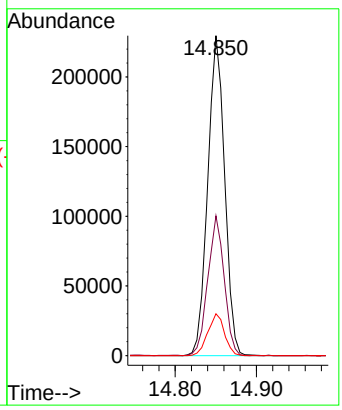




#55
Dibenzofuran
Concen: 61.429 ng
RT: 14.850 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:168 Resp: 33266

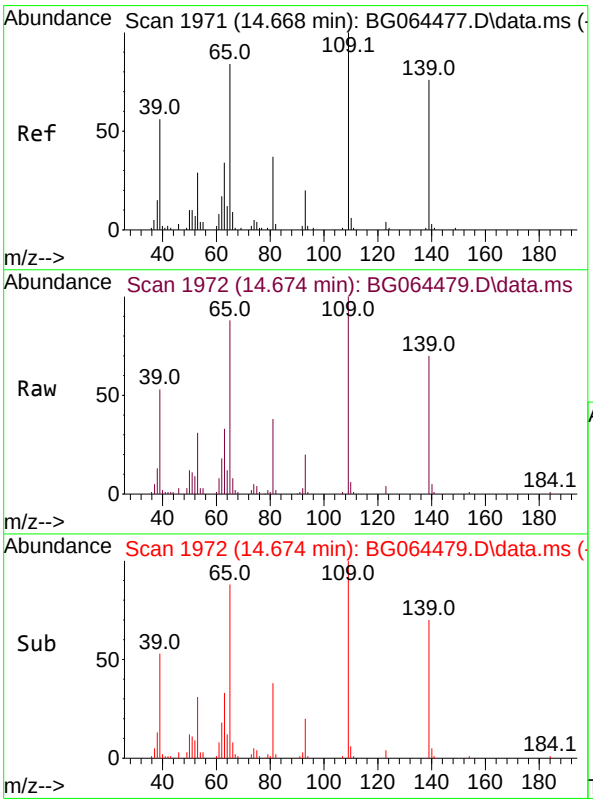
Ion	Ratio	Lower	Upper
168	100		
139	43.7	34.0	51.0
169	13.1	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

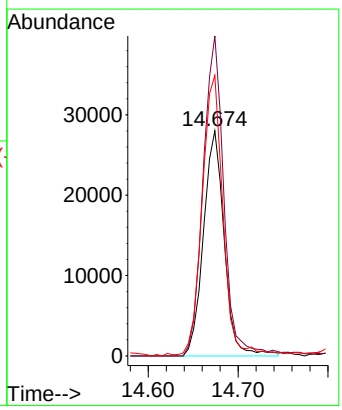
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

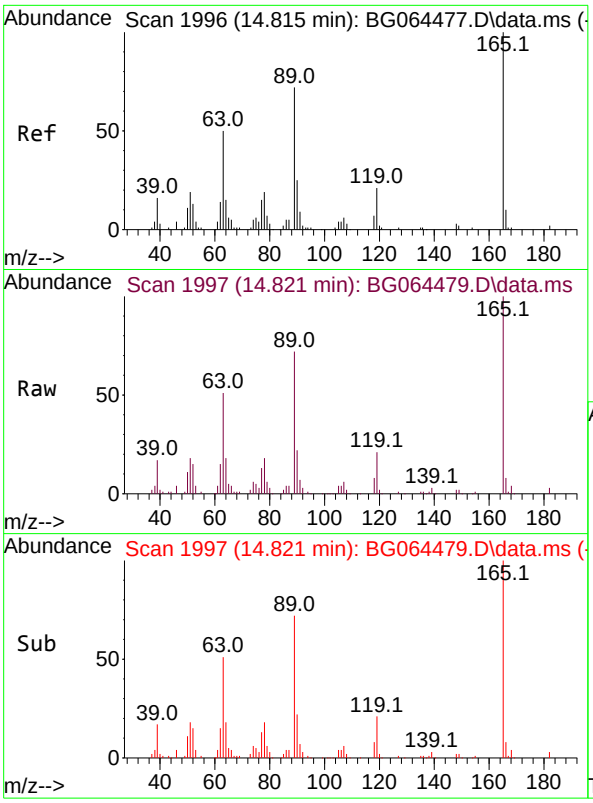


#56
4-Nitrophenol
Concen: 64.107 ng
RT: 14.674 min Scan# 1972
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:139 Resp: 44975

Ion	Ratio	Lower	Upper
139	100		
109	142.2	111.8	151.8
65	124.7	91.1	131.1

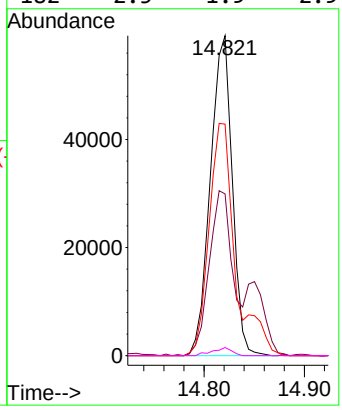




#57
2,4-Dinitrotoluene
Concen: 60.873 ng
RT: 14.821 min Scan# 19
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:165 Resp: 8991

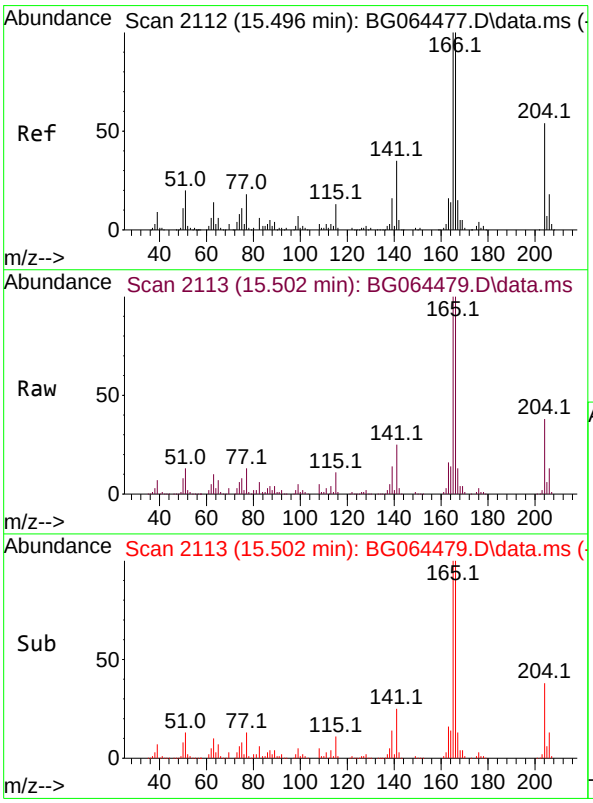
Ion	Ratio	Lower	Upper
165	100		
63	50.5	40.4	60.6
89	72.3	57.3	85.9
182	2.5	1.9	2.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

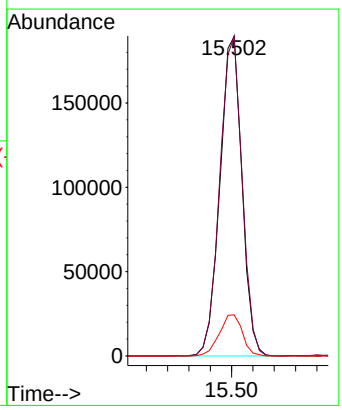
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

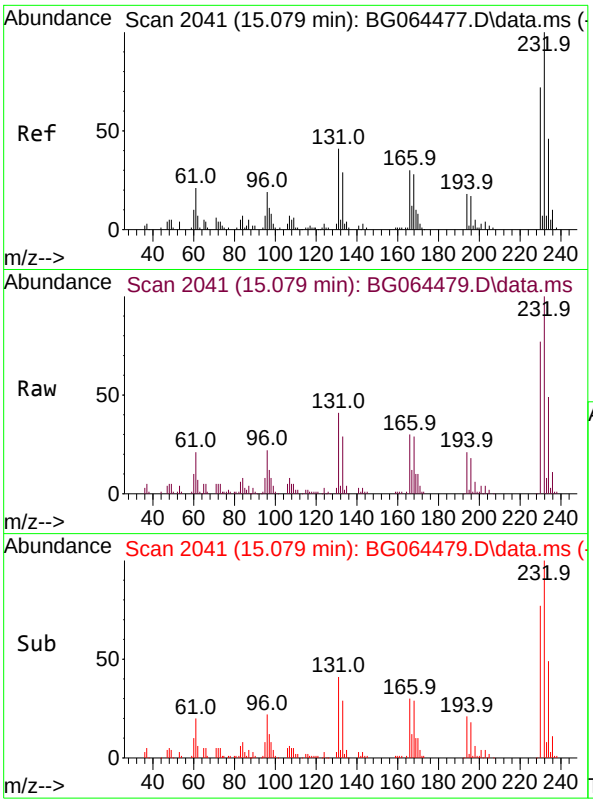


#58
Fluorene
Concen: 60.439 ng
RT: 15.502 min Scan# 2113
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:166 Resp: 272106

Ion	Ratio	Lower	Upper
166	100		
165	100.2	79.8	119.6
167	12.8	11.7	17.5

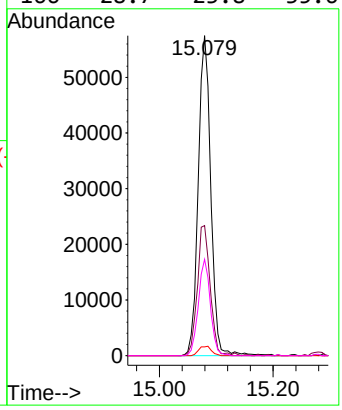




#59
2,3,4,6-Tetrachlorophenol
Concen: 62.984 ng
RT: 15.079 min Scan# 20
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:232 Resp: 8772

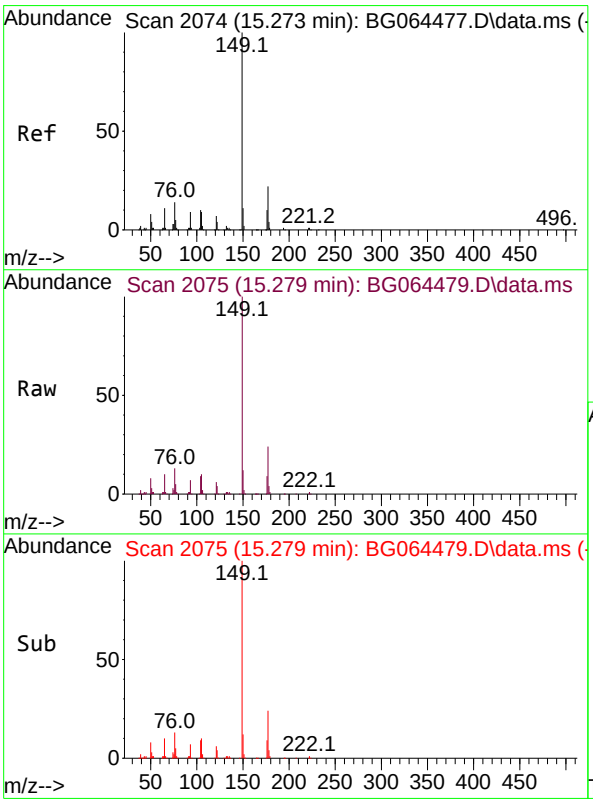
Ion	Ratio	Lower	Upper
232	100		
131	41.8	35.0	52.4
130	3.0	2.0	3.0
166	28.7	23.8	35.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

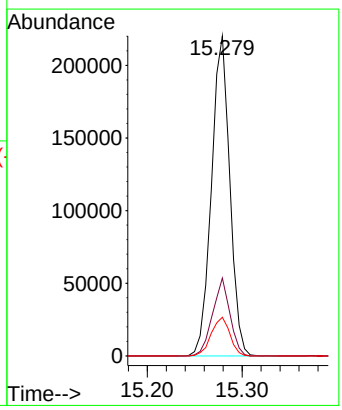
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

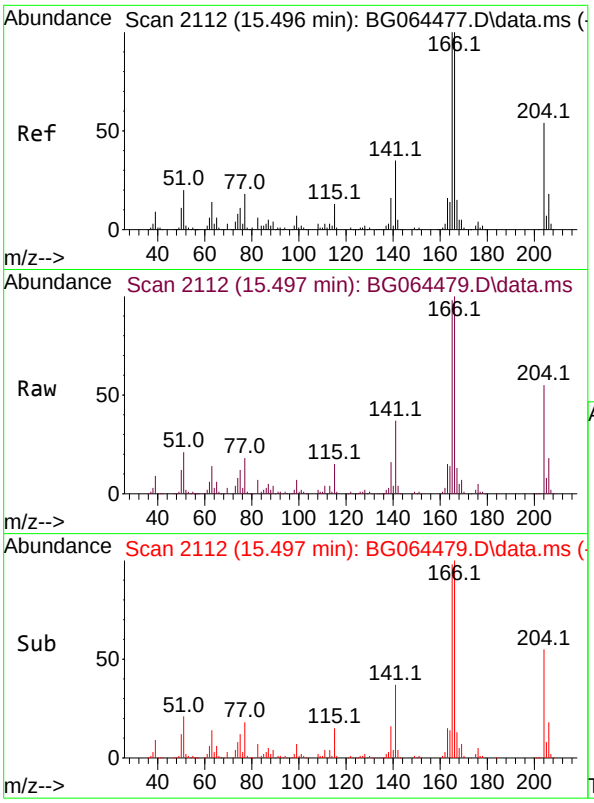


#60
Diethylphthalate
Concen: 59.367 ng
RT: 15.279 min Scan# 2075
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:149 Resp: 295396

Ion	Ratio	Lower	Upper
149	100		
177	24.3	17.4	26.0
150	12.1	9.1	13.7

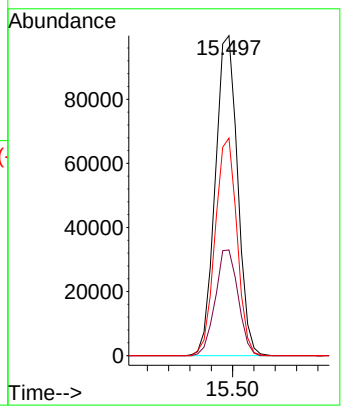




#61
4-Chlorophenyl-phenylether
Concen: 59.213 ng
RT: 15.497 min Scan# 21
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:204 Resp: 14554

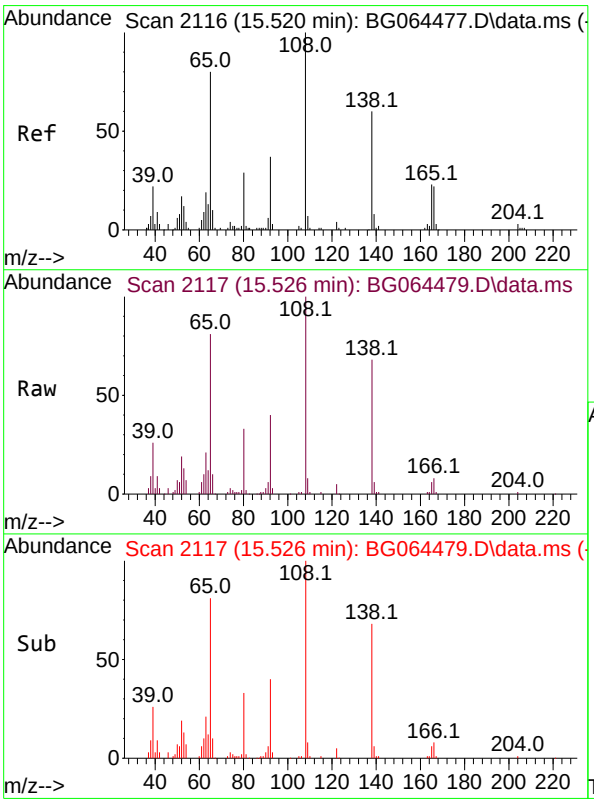
Ion	Ratio	Lower	Upper
204	100		
206	33.0	27.1	40.7
141	68.0	51.5	77.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

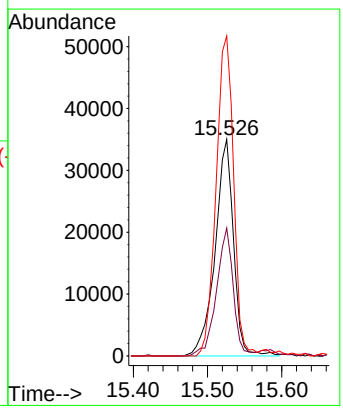
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

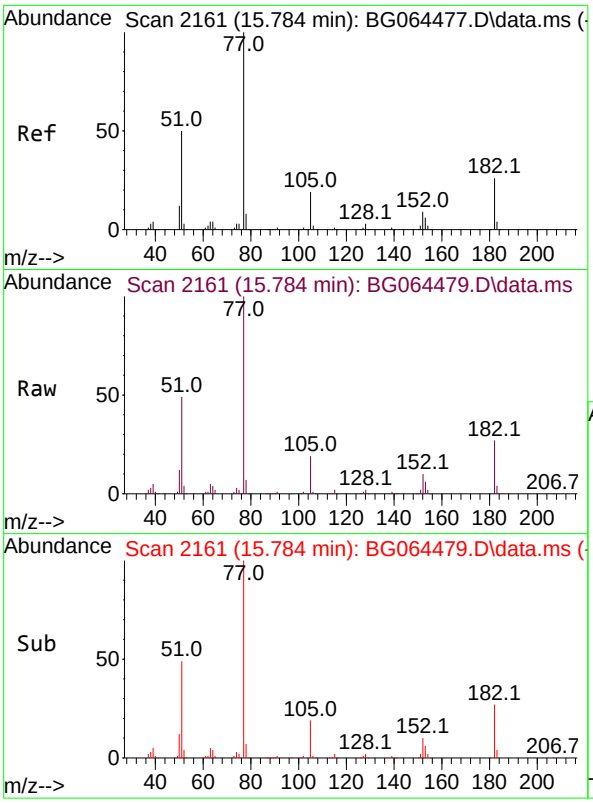


#62
4-Nitroaniline
Concen: 65.117 ng
RT: 15.526 min Scan# 2117
Delta R.T. 0.014 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:138 Resp: 60477

Ion	Ratio	Lower	Upper
138	100		
92	59.0	42.3	82.3
108	147.9	147.7	187.7

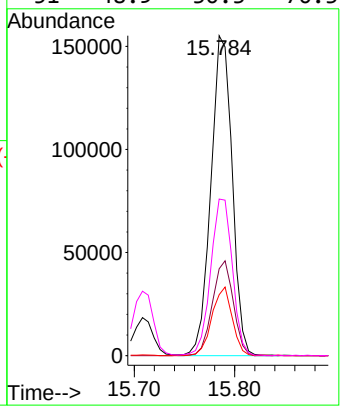




#63
Azobenzene
Concen: 59.443 ng
RT: 15.784 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 77 Resp: 22906

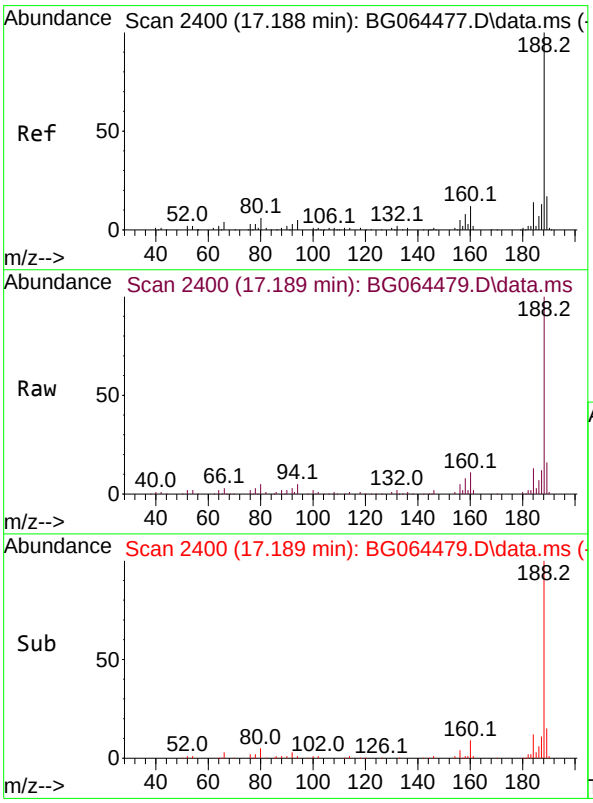
Ion	Ratio	Lower	Upper
77	100		
182	27.1	6.3	46.3
105	19.0	0.0	38.7
51	48.9	30.3	70.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

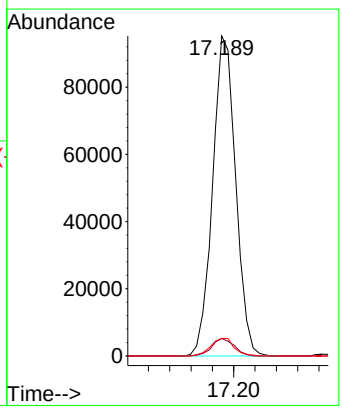
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

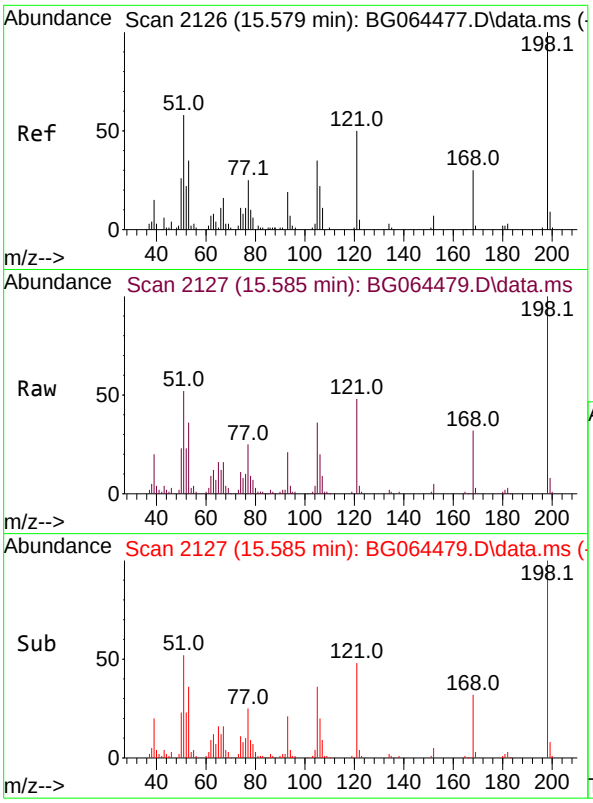


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2400
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:188 Resp: 143075

Ion	Ratio	Lower	Upper
188	100		
94	5.4	3.7	5.5
80	5.5	4.5	6.7

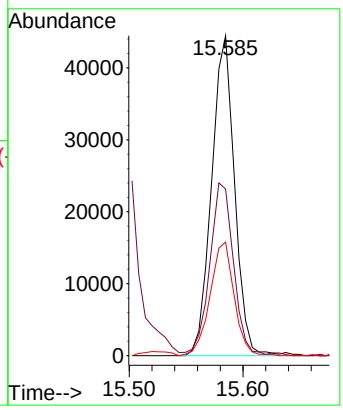




#65
4,6-Dinitro-2-methylphenol
Concen: 62.533 ng
RT: 15.585 min Scan# 21
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:198 Resp: 6229

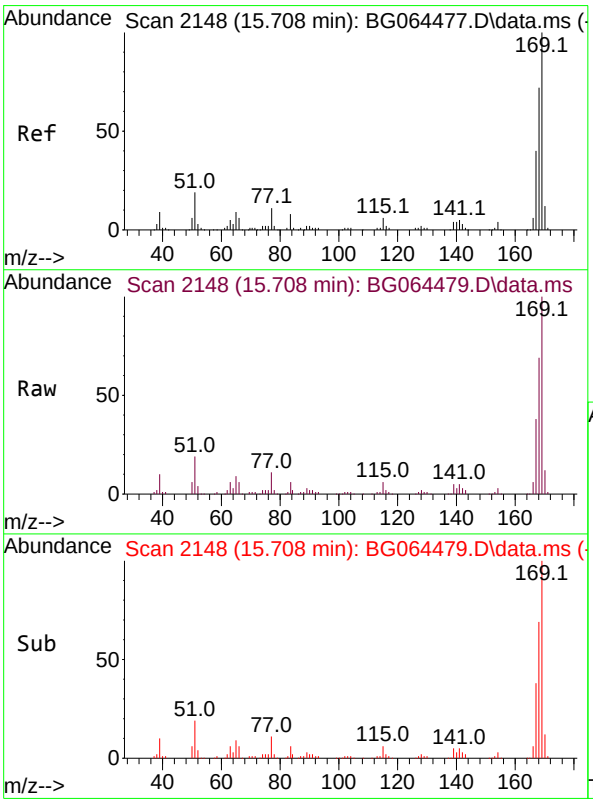
Ion	Ratio	Lower	Upper
198	100		
51	52.1	39.0	79.0
105	35.5	15.8	55.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

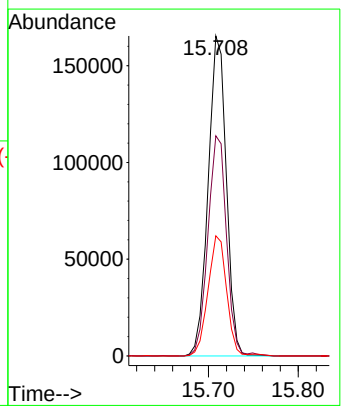
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

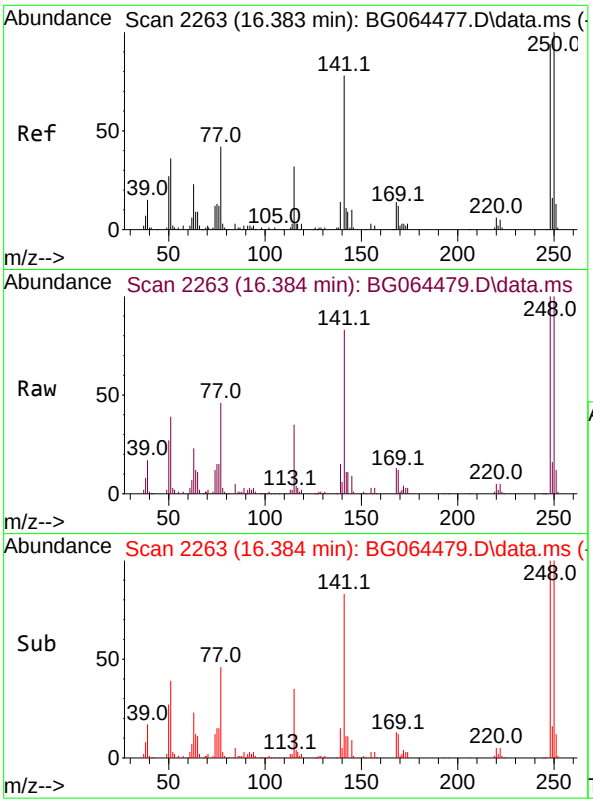


#66
n-Nitrosodiphenylamine
Concen: 60.822 ng
RT: 15.708 min Scan# 2148
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:169 Resp: 232383

Ion	Ratio	Lower	Upper
169	100		
168	68.8	57.8	86.6
167	37.5	31.7	47.5

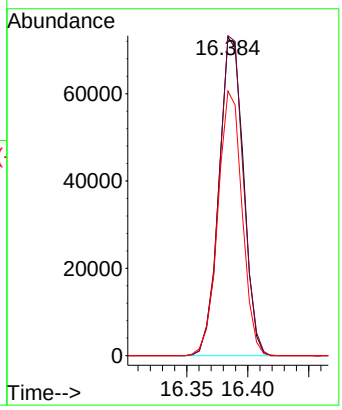




#67
4-Bromophenyl-phenylether
Concen: 60.380 ng
RT: 16.384 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:248 Resp: 10165

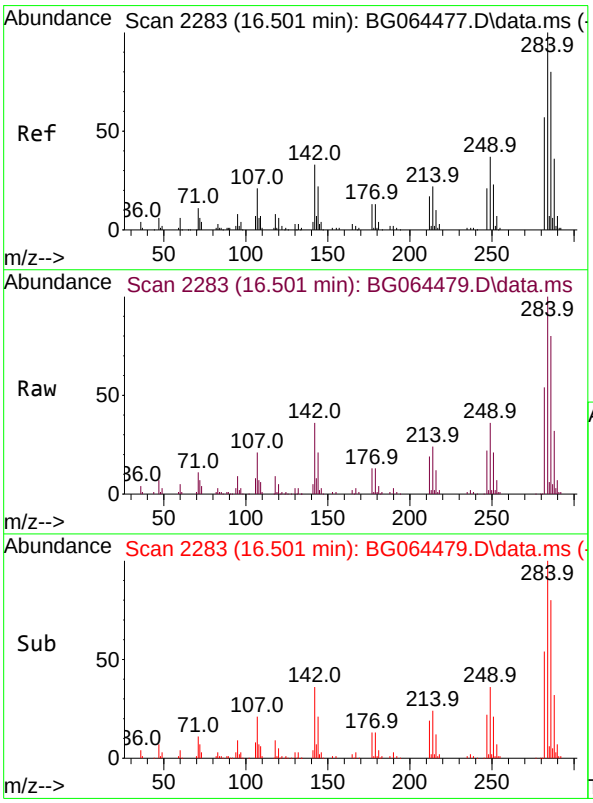
Ion	Ratio	Lower	Upper
248	100		
250	100.5	85.3	127.9
141	83.1	66.2	99.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

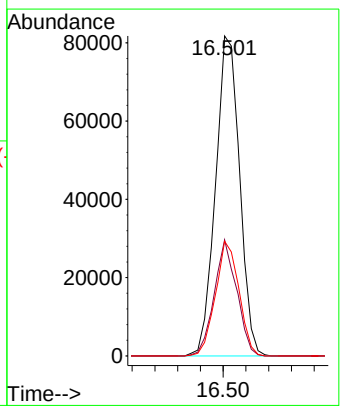
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

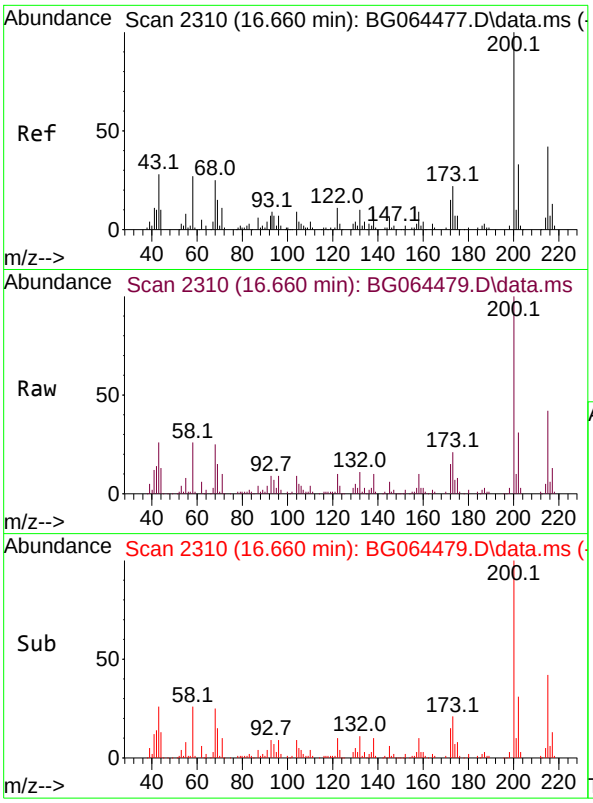


#68
Hexachlorobenzene
Concen: 62.318 ng
RT: 16.501 min Scan# 2283
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:284 Resp: 120060

Ion	Ratio	Lower	Upper
284	100		
142	36.3	26.2	39.2
249	35.8	29.4	44.0

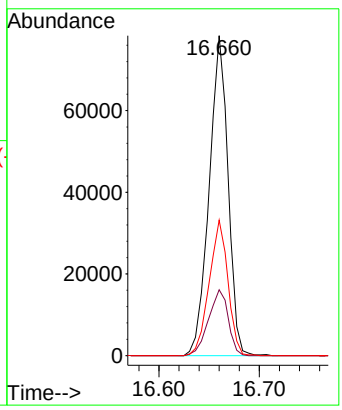




#69
Atrazine
Concen: 60.299 ng
RT: 16.660 min Scan# 2
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:200 Resp: 10249

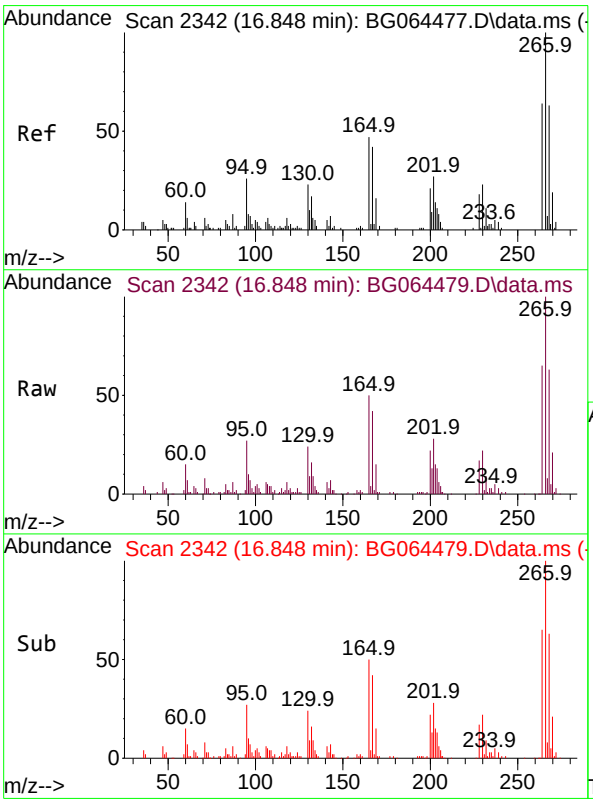
Ion	Ratio	Lower	Upper
200	100		
173	20.6	2.5	42.5
215	42.3	21.5	61.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

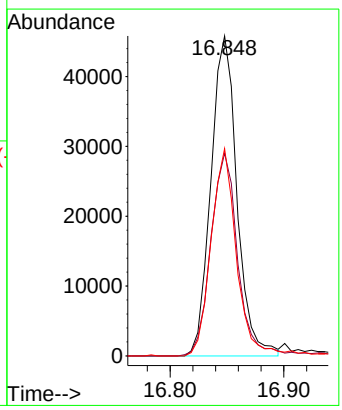
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

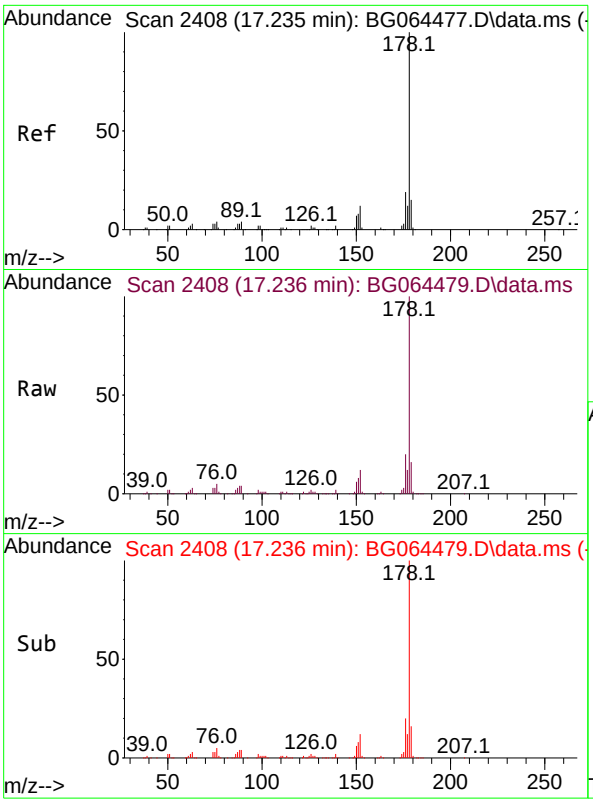


#70
Pentachlorophenol
Concen: 64.730 ng
RT: 16.848 min Scan# 2342
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:266 Resp: 72916

Ion	Ratio	Lower	Upper
266	100		
268	63.3	50.6	75.8
264	64.8	51.2	76.8

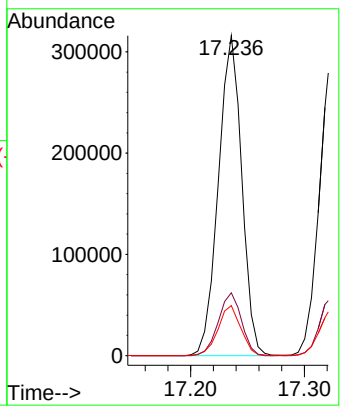




#71
Phenanthrene
Concen: 60.221 ng
RT: 17.236 min Scan# 24
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:178 Resp: 45058

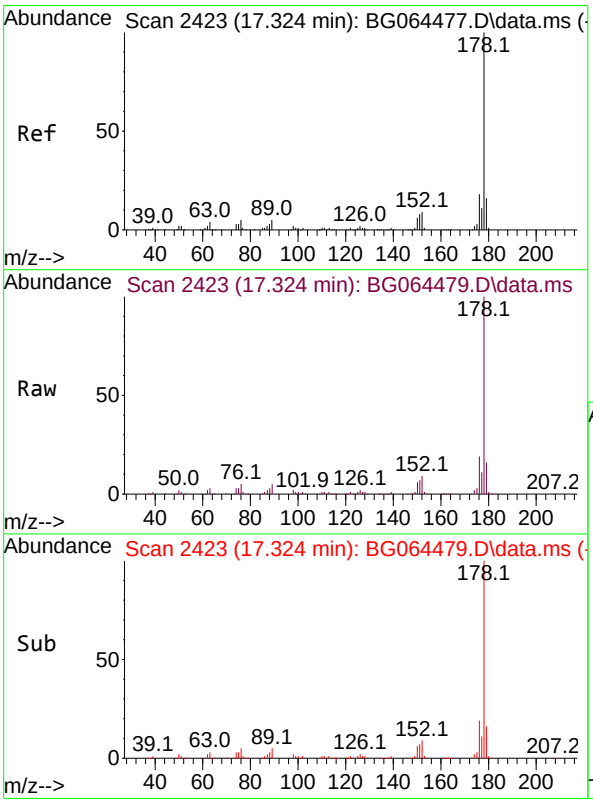
Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.2	22.8
179	15.6	11.8	17.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

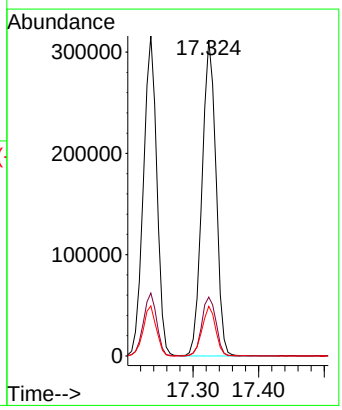
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

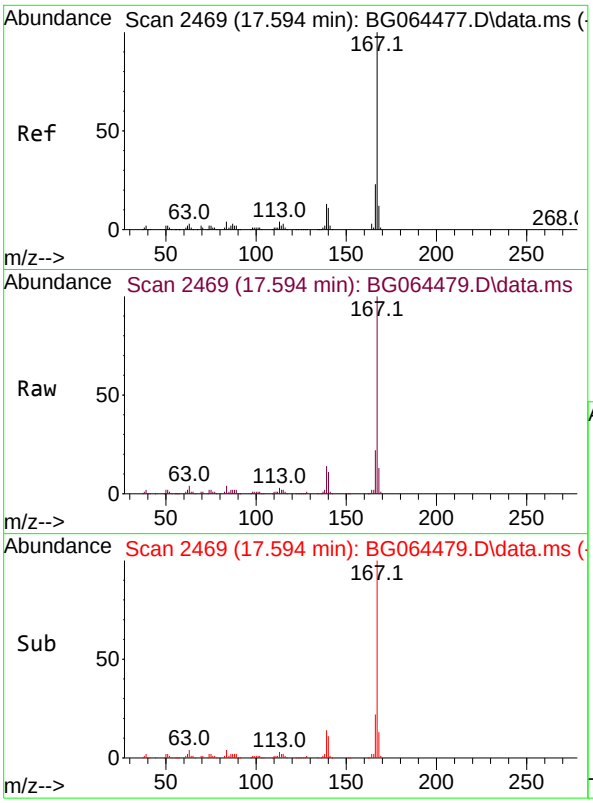


#72
Anthracene
Concen: 61.100 ng
RT: 17.324 min Scan# 2423
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:178 Resp: 458626

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	21.8
179	15.7	12.5	18.7





#73
Carbazole
Concen: 60.961 ng
RT: 17.594 min Scan# 24
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

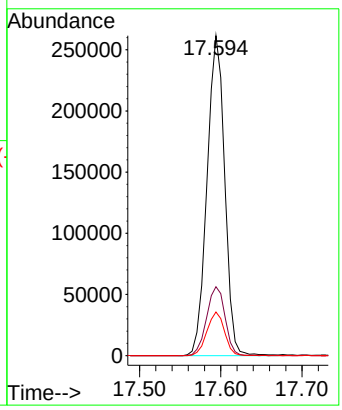
Tgt Ion:167 Resp: 39552

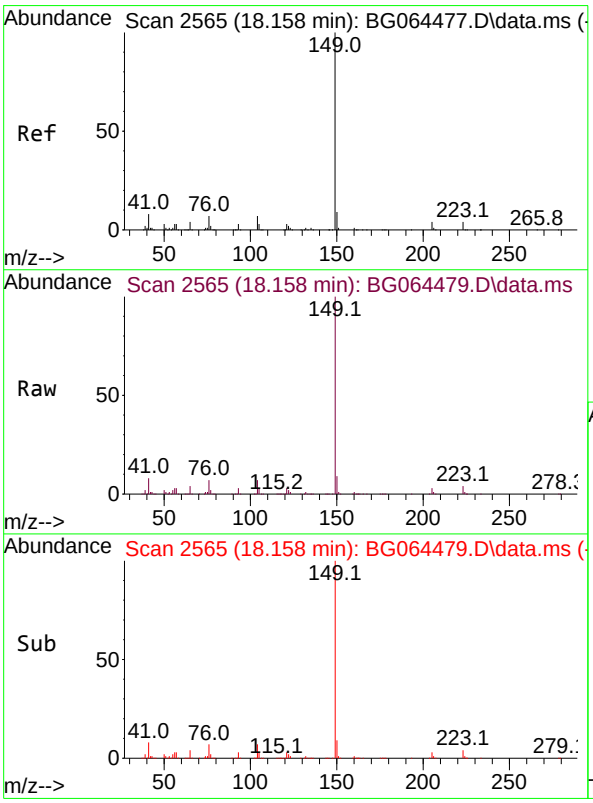
Ion	Ratio	Lower	Upper
167	100		
166	21.5	18.6	27.8
139	13.6	10.2	15.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

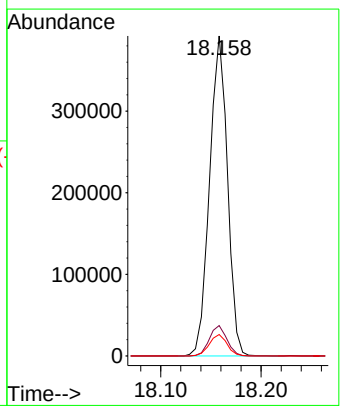


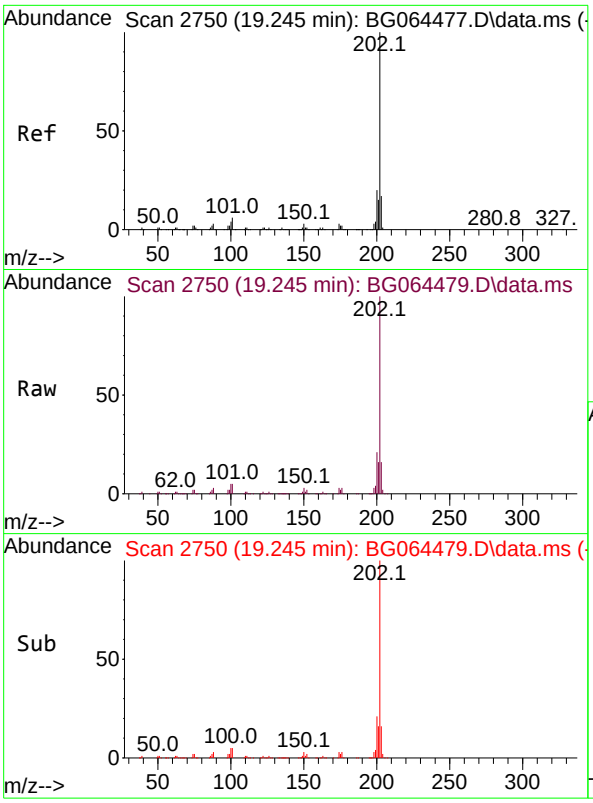


#74
Di-n-butylphthalate
Concen: 61.267 ng
RT: 18.158 min Scan# 2565
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:149 Resp: 485256

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.2
104	6.7	5.3	7.9





#75
Fluoranthene
Concen: 60.154 ng
RT: 19.245 min Scan# 2
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

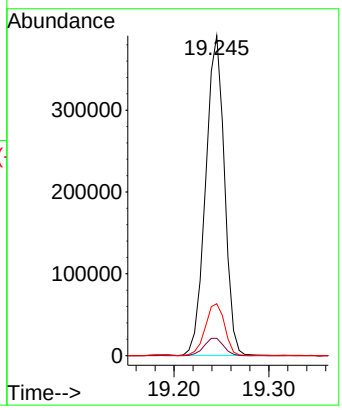
Tgt Ion:202 Resp: 53769

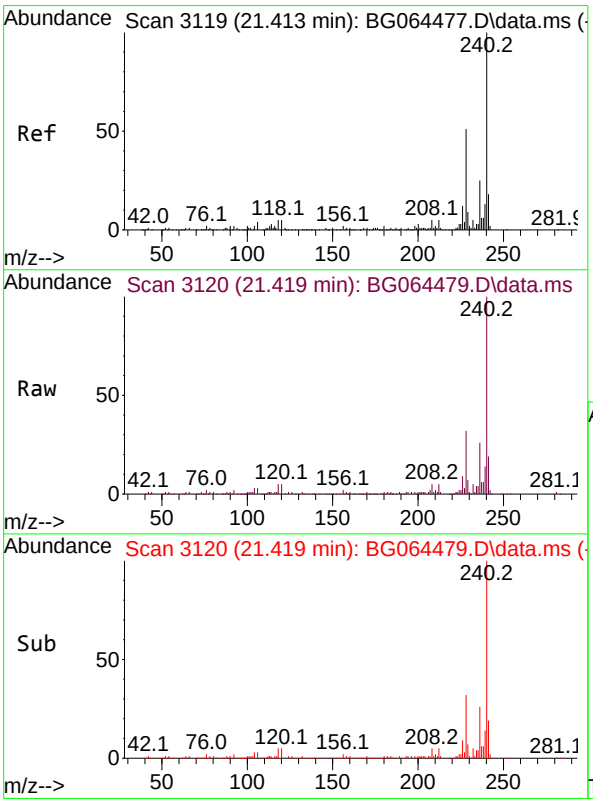
Ion	Ratio	Lower	Upper
202	100		
101	5.4	0.0	25.7
203	16.3	0.0	36.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

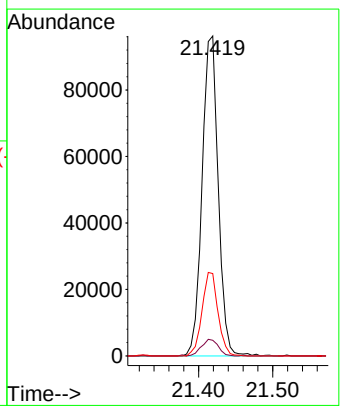


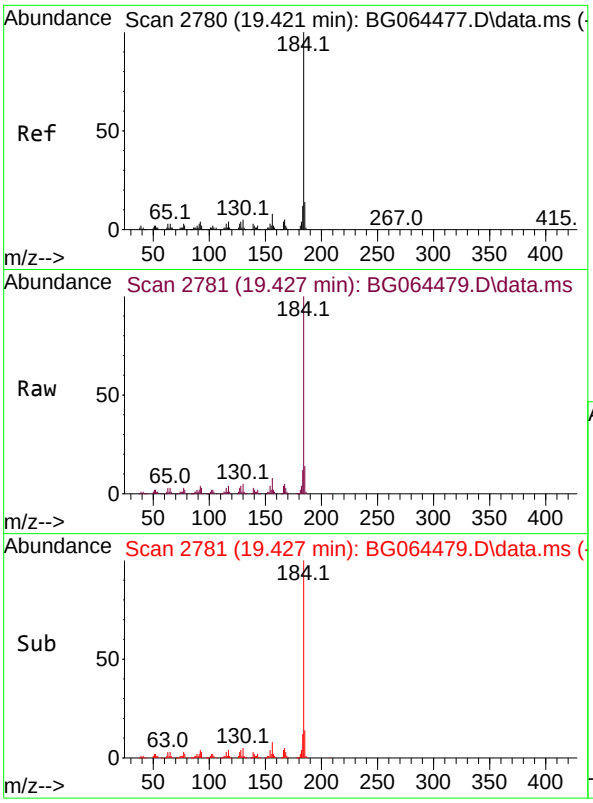


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.419 min Scan# 3120
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:240 Resp: 144920

Ion	Ratio	Lower	Upper
240	100		
120	4.9	4.3	6.5
236	25.7	20.4	30.6

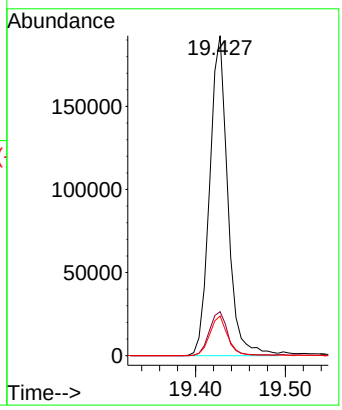




#77
Benzidine
Concen: 74.880 ng
RT: 19.427 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:184 Resp: 27002

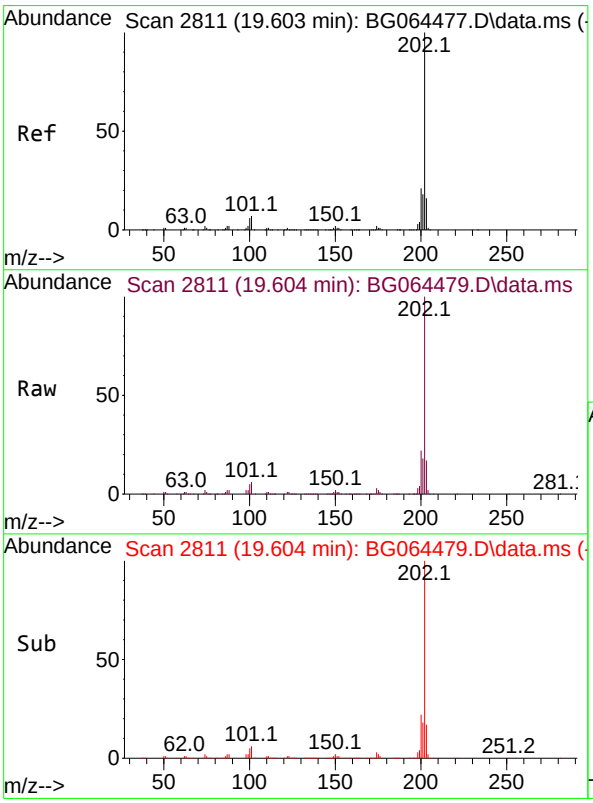
Ion	Ratio	Lower	Upper
184	100		
185	13.7	10.9	16.3
183	12.4	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

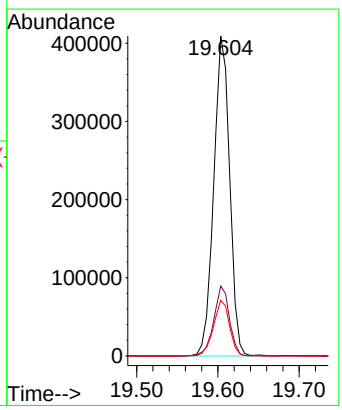
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

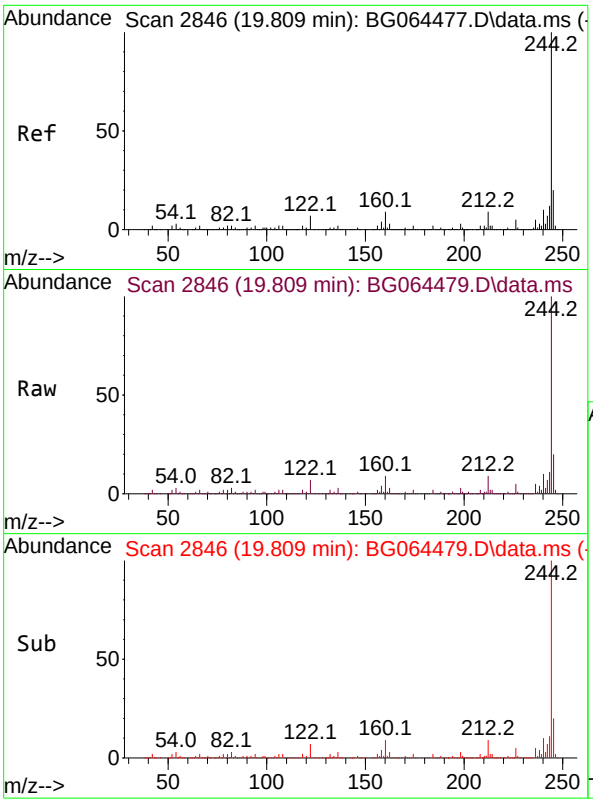


#78
Pyrene
Concen: 59.207 ng
RT: 19.604 min Scan# 2811
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:202 Resp: 556837

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.0	25.4
203	17.3	13.0	19.4

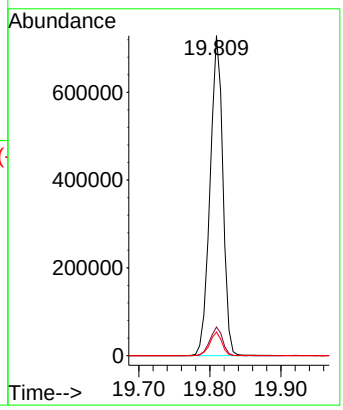




#79
Terphenyl-d14
Concen: 118.598 ng
RT: 19.809 min Scan# 28
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:244 Resp: 90817

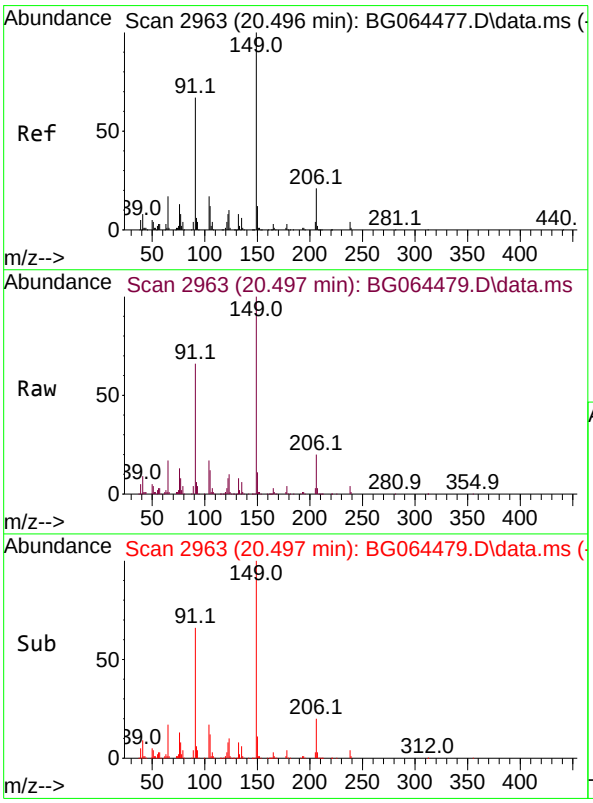
Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.0	10.6
122	7.4	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

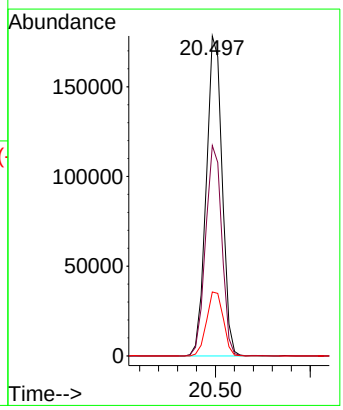
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

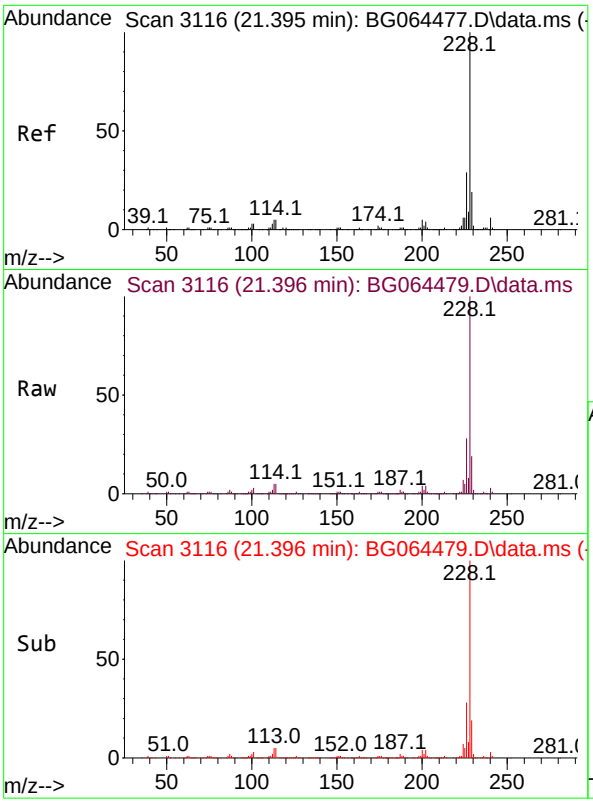


#80
Butylbenzylphthalate
Concen: 62.426 ng
RT: 20.497 min Scan# 2963
Delta R.T. -0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:149 Resp: 208125

Ion	Ratio	Lower	Upper
149	100		
91	65.7	53.7	80.5
206	20.0	16.6	24.8

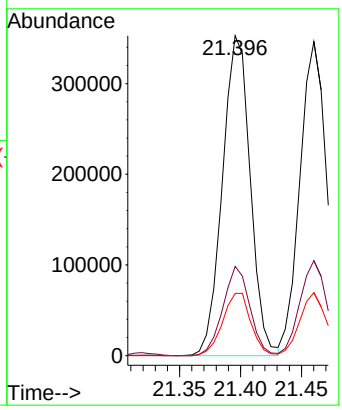




#81
Benzo(a)anthracene
Concen: 60.676 ng
RT: 21.396 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:228 Resp: 56145

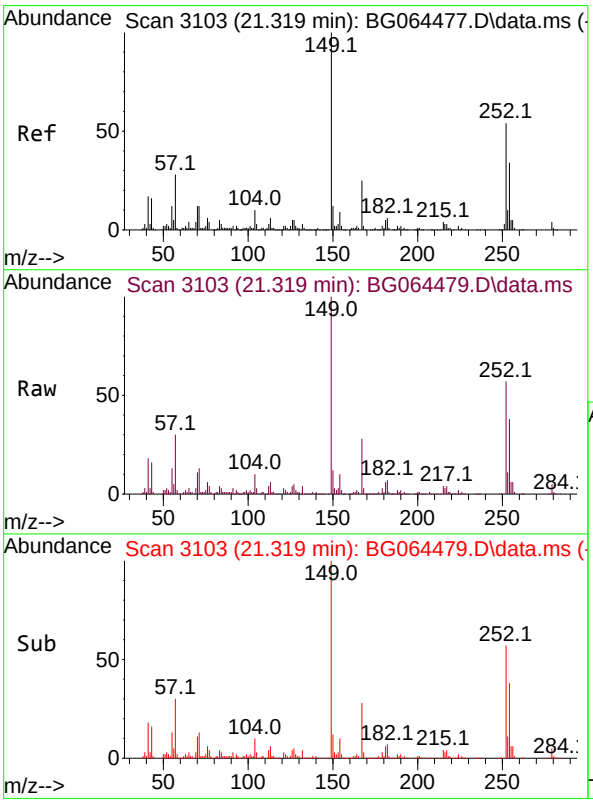
Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.8	34.2
229	19.4	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

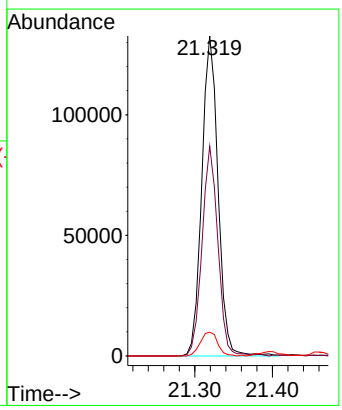
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

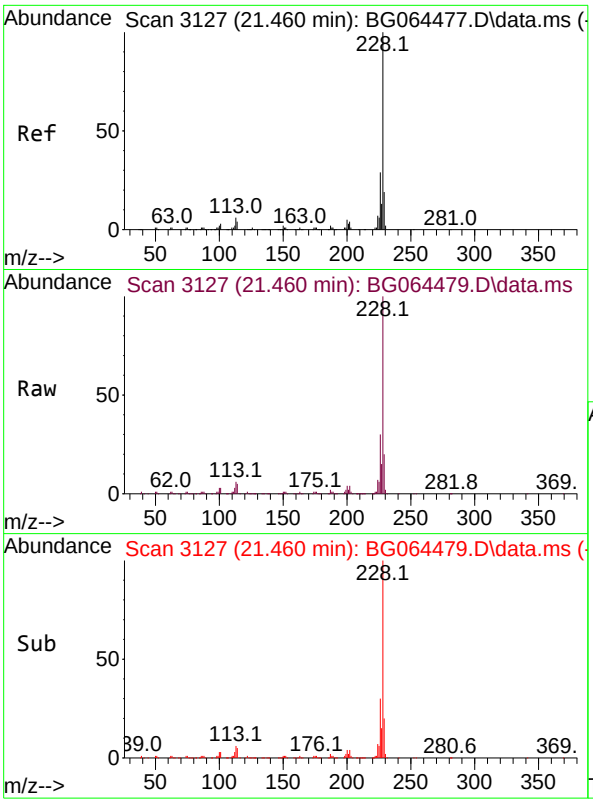


#82
3,3'-Dichlorobenzidine
Concen: 61.540 ng
RT: 21.319 min Scan# 3103
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:252 Resp: 192733

Ion	Ratio	Lower	Upper
252	100		
254	65.6	50.5	75.7
126	7.4	7.1	10.7

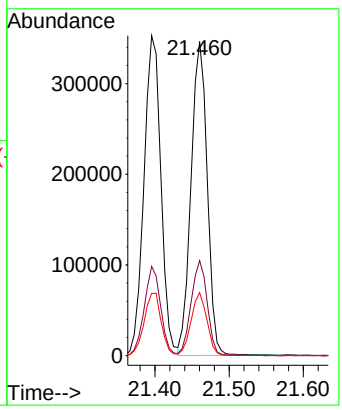




#83
Chrysene
Concen: 59.928 ng
RT: 21.460 min Scan# 3
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:228 Resp: 52589

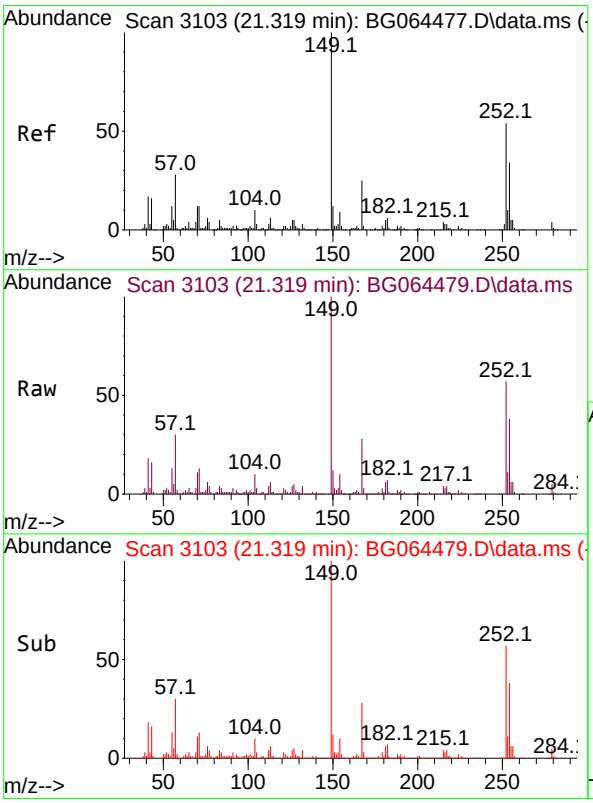
Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.8	34.2
229	20.0	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

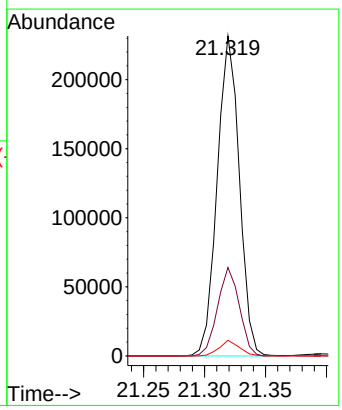
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

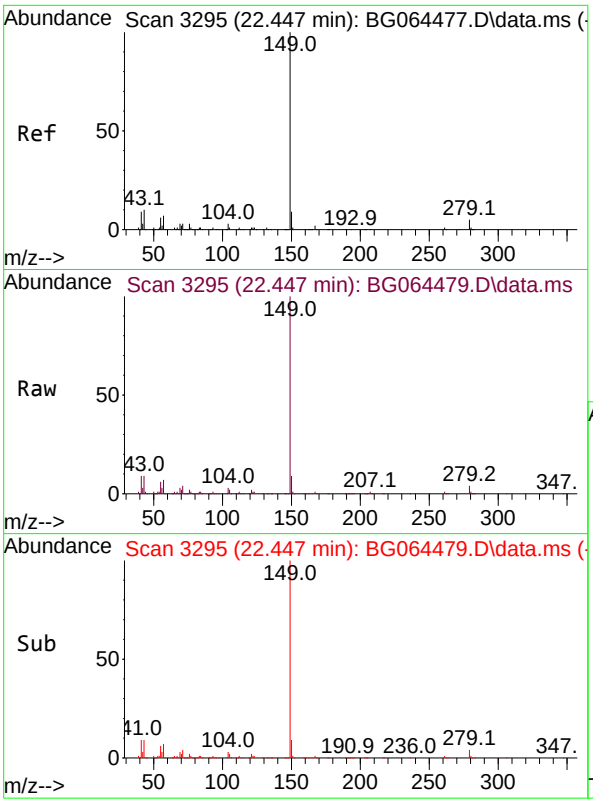


#84
Bis(2-ethylhexyl)phthalate
Concen: 61.932 ng
RT: 21.319 min Scan# 3103
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:149 Resp: 291329

Ion	Ratio	Lower	Upper
149	100		
167	27.6	19.7	29.5
279	4.9	3.4	5.2

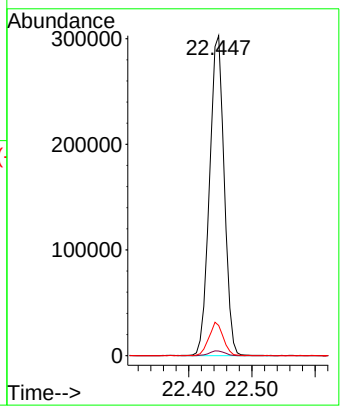




#85
Di-n-octyl phthalate
Concen: 61.881 ng
RT: 22.447 min Scan# 3
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:149 Resp: 48922

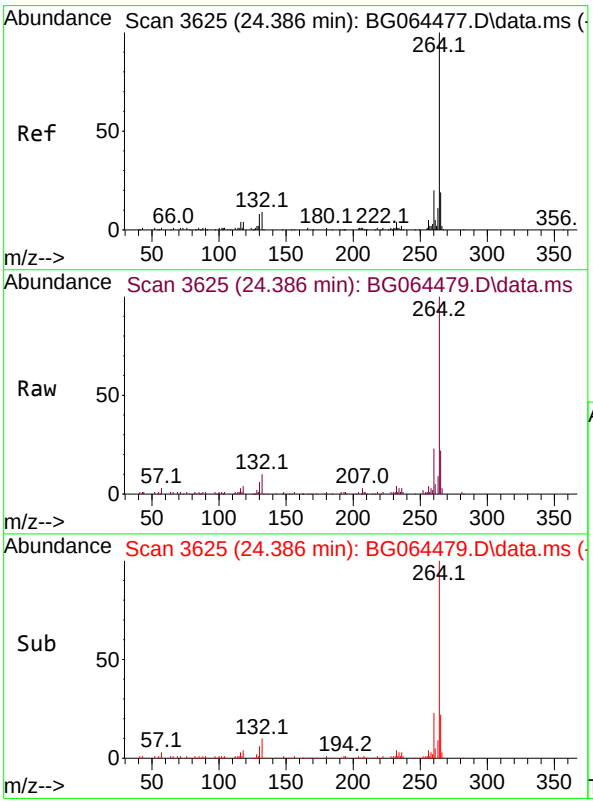
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.4	2.0
43	10.2	7.9	11.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

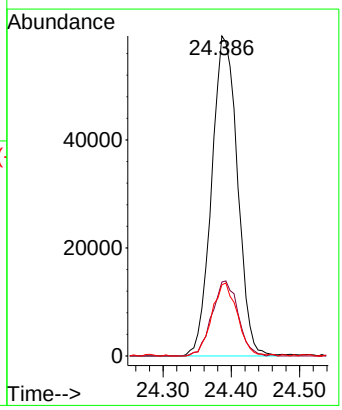
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

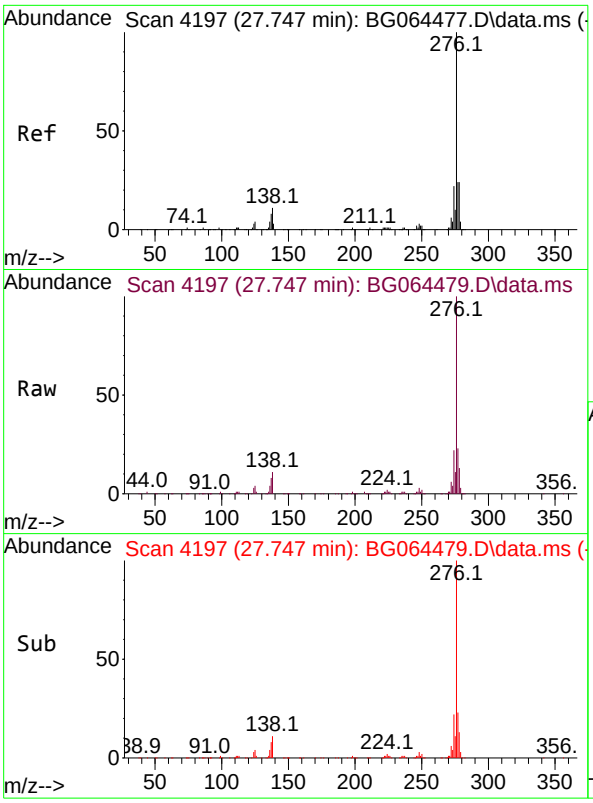


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.386 min Scan# 3625
Delta R.T. -0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:264 Resp: 155027

Ion	Ratio	Lower	Upper
264	100		
260	23.1	16.2	24.4
265	22.3	15.0	22.4

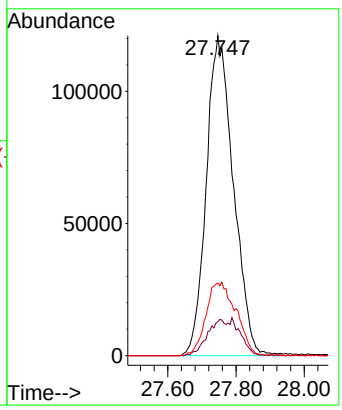




#87
Indeno(1,2,3-cd)pyrene
Concen: 61.679 ng
RT: 27.747 min Scan# 41
Delta R.T. 0.015 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:276 Resp: 665573

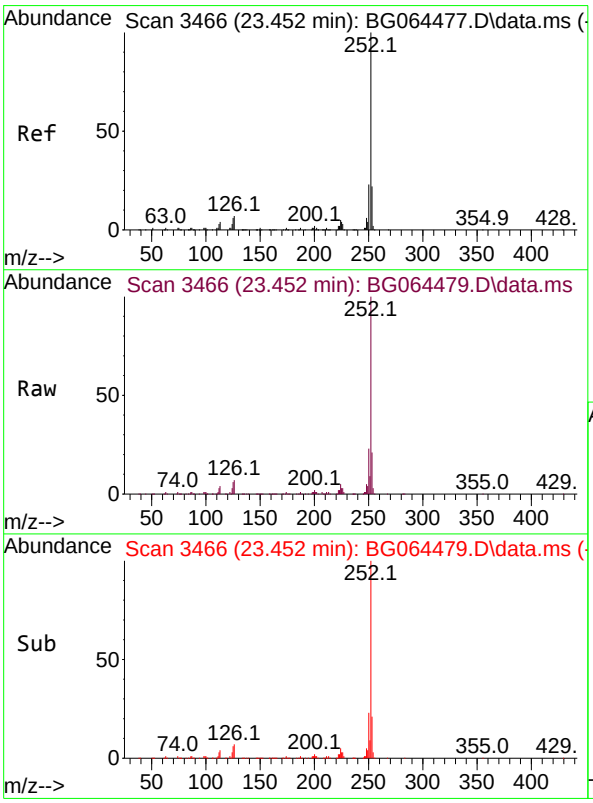
Ion	Ratio	Lower	Upper
276	100		
138	7.6	10.8	16.2#
277	25.4	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

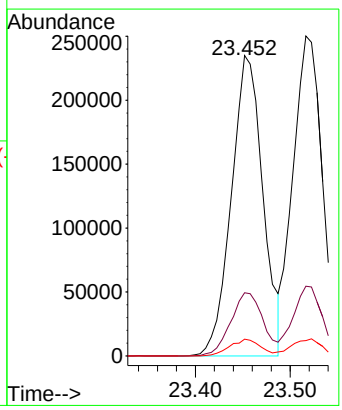
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

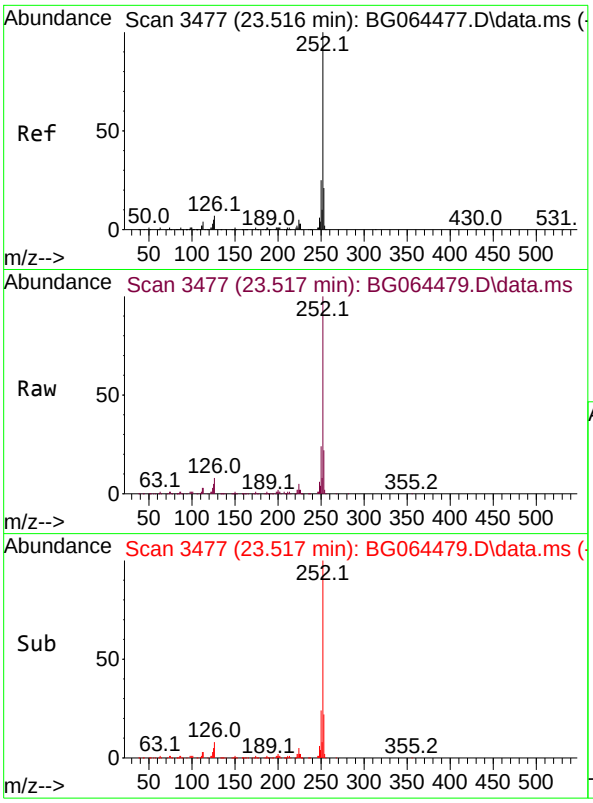


#88
Benzo(b)fluoranthene
Concen: 61.635 ng
RT: 23.452 min Scan# 3466
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:252 Resp: 543592

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.5	26.3
125	5.6	4.5	6.7

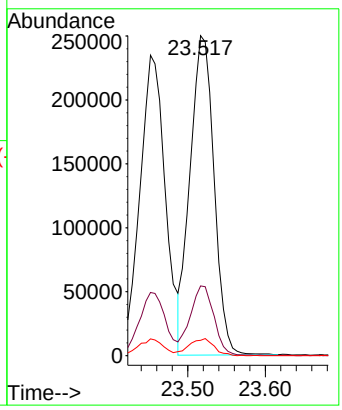




#89
Benzo(k)fluoranthene
Concen: 60.551 ng
RT: 23.517 min Scan# 34
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:252 Resp: 537854

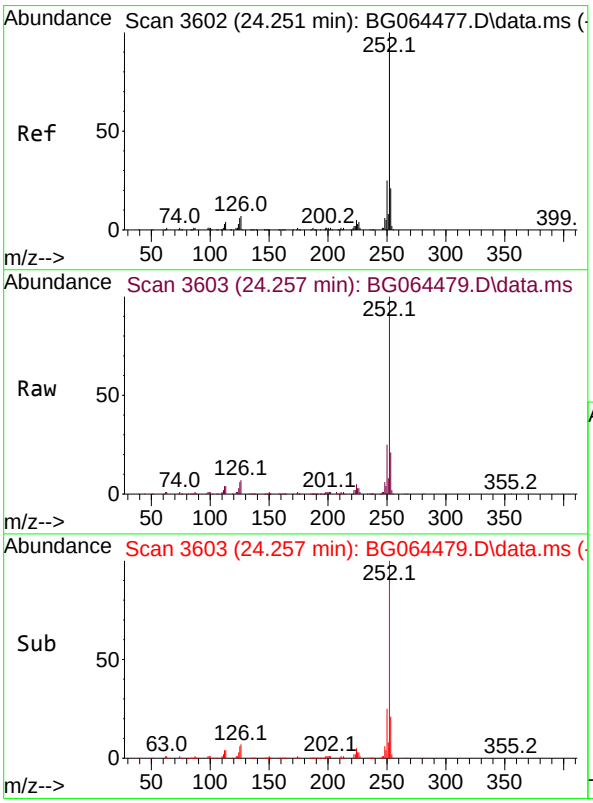
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	4.8	4.0	6.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

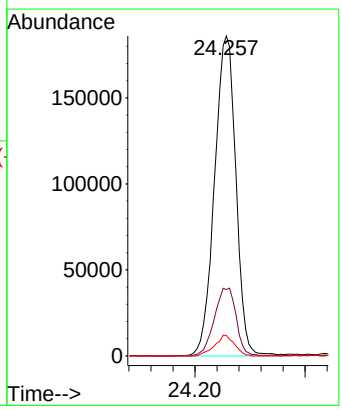
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

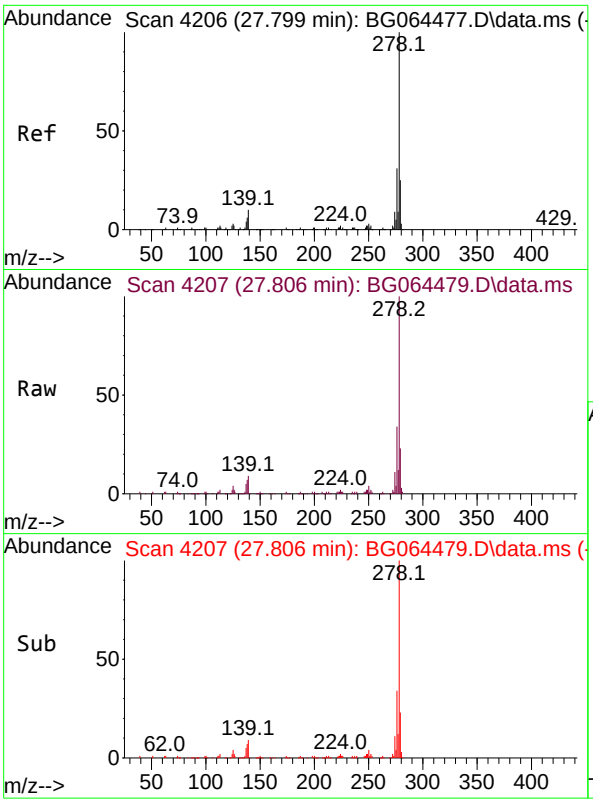


#90
Benzo(a)pyrene
Concen: 61.533 ng
RT: 24.257 min Scan# 3603
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:252 Resp: 500159

Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.1	25.7
125	6.4	4.6	6.8

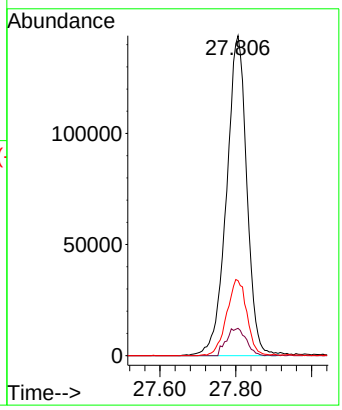




#91
Dibenzo(a,h)anthracene
Concen: 62.043 ng
RT: 27.806 min Scan# 4
Delta R.T. 0.026 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:278 Resp: 535408

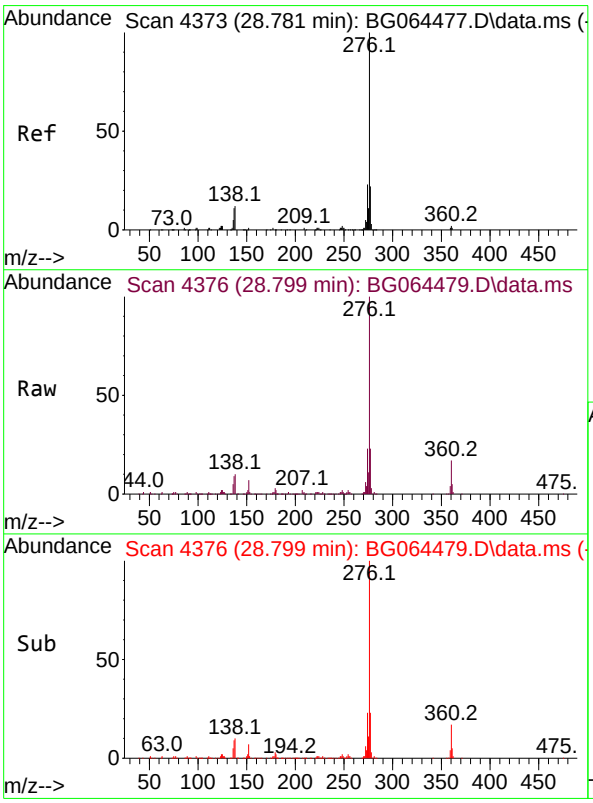
Ion	Ratio	Lower	Upper
278	100		
139	8.6	8.2	12.2
279	23.4	19.6	29.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

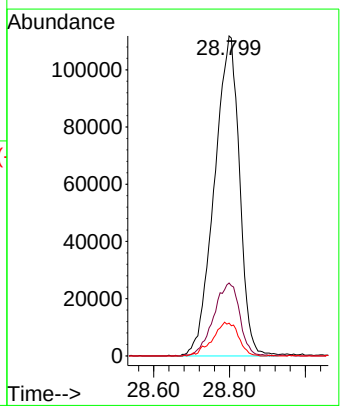
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#92
Benzo(g,h,i)perylene
Concen: 61.207 ng
RT: 28.799 min Scan# 4376
Delta R.T. 0.032 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:276 Resp: 513293

Ion	Ratio	Lower	Upper
276	100		
277	22.8	17.8	26.6
138	10.2	9.4	14.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064480.D
Acq On : 2 Oct 2025 14:16
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 02 16:53:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.825	152	22534	20.000	ng		0.00
21) Naphthalene-d8	10.610	136	94569	20.000	ng		0.00
39) Acenaphthene-d10	14.453	164	72073	20.000	ng		0.00
64) Phenanthrene-d10	17.191	188	168856	20.000	ng		0.00
76) Chrysene-d12	21.415	240	171497	20.000	ng		0.00
86) Perylene-d12	24.394	264	185893	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	189884	155.949	ng		0.01
7) Phenol-d6	7.009	99	250763	153.254	ng		0.02
23) Nitrobenzene-d5	8.989	82	279078	158.678	ng		0.02
42) 2,4,6-Tribromophenol	15.945	330	200950	153.817	ng		0.01
45) 2-Fluorobiphenyl	13.078	172	755535	154.518	ng		0.01
79) Terphenyl-d14	19.811	244	1375899	151.833	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.325	88	34310	71.240	ng		94
3) Pyridine	3.718	79	97843	75.592	ng		93
4) n-Nitrosodimethylamine	3.636	42	73356	78.177	ng		92
6) Aniline	7.161	93	155867	75.518	ng		98
8) 2-Chlorophenol	7.396	128	114558	76.619	ng		98
9) Benzaldehyde	6.968	77	93496	64.370	ng		96
10) Phenol	7.032	94	134875	78.138	ng		97
11) bis(2-Chloroethyl)ether	7.255	93	89425	76.500	ng		98
12) 1,3-Dichlorobenzene	7.720	146	122844	75.107	ng		98
13) 1,4-Dichlorobenzene	7.861	146	124619	75.917	ng		97
14) 1,2-Dichlorobenzene	8.178	146	120364	74.398	ng		95
15) Benzyl Alcohol	8.066	79	118265	78.483	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.348	45	140388	74.507	ng		96
17) 2-Methylphenol	8.272	107	97064	77.657	ng		97
18) Hexachloroethane	8.901	117	49027	75.666	ng		90
19) n-Nitroso-di-n-propyla...	8.636	70	83485	76.290	ng		91
20) 3+4-Methylphenols	8.607	107	134638	77.191	ng		95
22) Acetophenone	8.648	105	183701	80.227	ng	#	98
24) Nitrobenzene	9.024	77	135264	77.123	ng		97
25) Isophorone	9.553	82	245935	77.188	ng		98
26) 2-Nitrophenol	9.729	139	68332	78.281	ng		93
27) 2,4-Dimethylphenol	9.794	122	106151	79.619	ng		95
28) bis(2-Chloroethoxy)met...	10.029	93	128813	79.313	ng		98
29) 2,4-Dichlorophenol	10.264	162	125552	81.436	ng		96
30) 1,2,4-Trichlorobenzene	10.481	180	131315	78.115	ng		94
31) Naphthalene	10.663	128	382573	78.560	ng		98
32) Benzoic acid	10.011	122	91798m	89.680	ng		
33) 4-Chloroaniline	10.769	127	148423	79.425	ng		97
34) Hexachlorobutadiene	10.951	225	109953	76.374	ng		94
35) Caprolactam	11.580	113	40333	76.417	ng		97
36) 4-Chloro-3-methylphenol	11.909	107	149274	79.618	ng		99
37) 2-Methylnaphthalene	12.273	142	291318	77.931	ng		97
38) 1-Methylnaphthalene	12.496	142	286731	76.924	ng		98
40) 1,2,4,5-Tetrachloroben...	12.643	216	186298	80.056	ng		99
41) Hexachlorocyclopentadiene	12.626	237	102505	84.207	ng		96
43) 2,4,6-Trichlorophenol	12.884	196	119404	80.265	ng		94

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064480.D
Acq On : 2 Oct 2025 14:16
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 02 16:53:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	12.961	196	135525	81.602	ng		96
46)	1,1'-Biphenyl	13.290	154	399798	77.125	ng		100
47)	2-Chloronaphthalene	13.331	162	301691	77.951	ng		97
48)	2-Nitroaniline	13.530	65	105087	79.555	ng		97
49)	Acenaphthylene	14.177	152	445834	77.600	ng		98
50)	Dimethylphthalate	13.912	163	430419	76.251	ng		98
51)	2,6-Dinitrotoluene	14.036	165	91191	77.551	ng		91
52)	Acenaphthene	14.518	154	305038	76.421	ng		99
53)	3-Nitroaniline	14.365	138	85333	78.688	ng		100
54)	2,4-Dinitrophenol	14.570	184	63374	74.326	ng		91
55)	Dibenzofuran	14.852	168	505395	76.684	ng		99
56)	4-Nitrophenol	14.676	139	66912	78.369	ng		84
57)	2,4-Dinitrotoluene	14.823	165	137560	76.527	ng		96
58)	Fluorene	15.505	166	420400	76.728	ng		96
59)	2,3,4,6-Tetrachlorophenol	15.082	232	131866	77.799	ng		99
60)	Diethylphthalate	15.281	149	454922	75.126	ng		99
61)	4-Chlorophenyl-phenyle...	15.499	204	228883	76.517	ng		99
62)	4-Nitroaniline	15.534	138	92207	81.579	ng		91
63)	Azobenzene	15.793	77	350430	74.723	ng		96
65)	4,6-Dinitro-2-methylph...	15.587	198	97300	82.760	ng		97
66)	n-Nitrosodiphenylamine	15.716	169	357258	79.230	ng		96
67)	4-Bromophenyl-phenylether	16.386	248	162931	81.997	ng		95
68)	Hexachlorobenzene	16.509	284	182054	80.068	ng		97
69)	Atrazine	16.662	200	148051	73.799	ng		99
70)	Pentachlorophenol	16.850	266	117991	88.752	ng		97
71)	Phenanthrene	17.238	178	682440	77.283	ng		99
72)	Anthracene	17.326	178	694820	78.433	ng		99
73)	Carbazole	17.596	167	594667	77.661	ng		99
74)	Di-n-butylphthalate	18.160	149	726555	77.727	ng		100
75)	Fluoranthene	19.247	202	812928	77.060	ng		99
77)	Benzidine	19.424	184	246468	57.755	ng		98
78)	Pyrene	19.606	202	844065	75.840	ng		99
80)	Butylbenzylphthalate	20.499	149	314484	79.710	ng		96
81)	Benzo(a)anthracene	21.398	228	859554	78.497	ng		98
82)	3,3'-Dichlorobenzidine	21.321	252	288449	77.829	ng		98
83)	Chrysene	21.462	228	807967	77.803	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.321	149	451147	81.044	ng		97
85)	Di-n-octyl phthalate	22.449	149	747301	79.877	ng		99
87)	Indeno(1,2,3-cd)pyrene	27.767	276	1017303	78.621	ng	#	93
88)	Benzo(b)fluoranthene	23.460	252	824972	78.008	ng		99
89)	Benzo(k)fluoranthene	23.525	252	849303	79.738	ng		99
90)	Benzo(a)pyrene	24.265	252	771257	79.130	ng		99
91)	Dibenzo(a,h)anthracene	27.820	278	829660	80.178	ng		97
92)	Benzo(g,h,i)perylene	28.818	276	778918	77.460	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

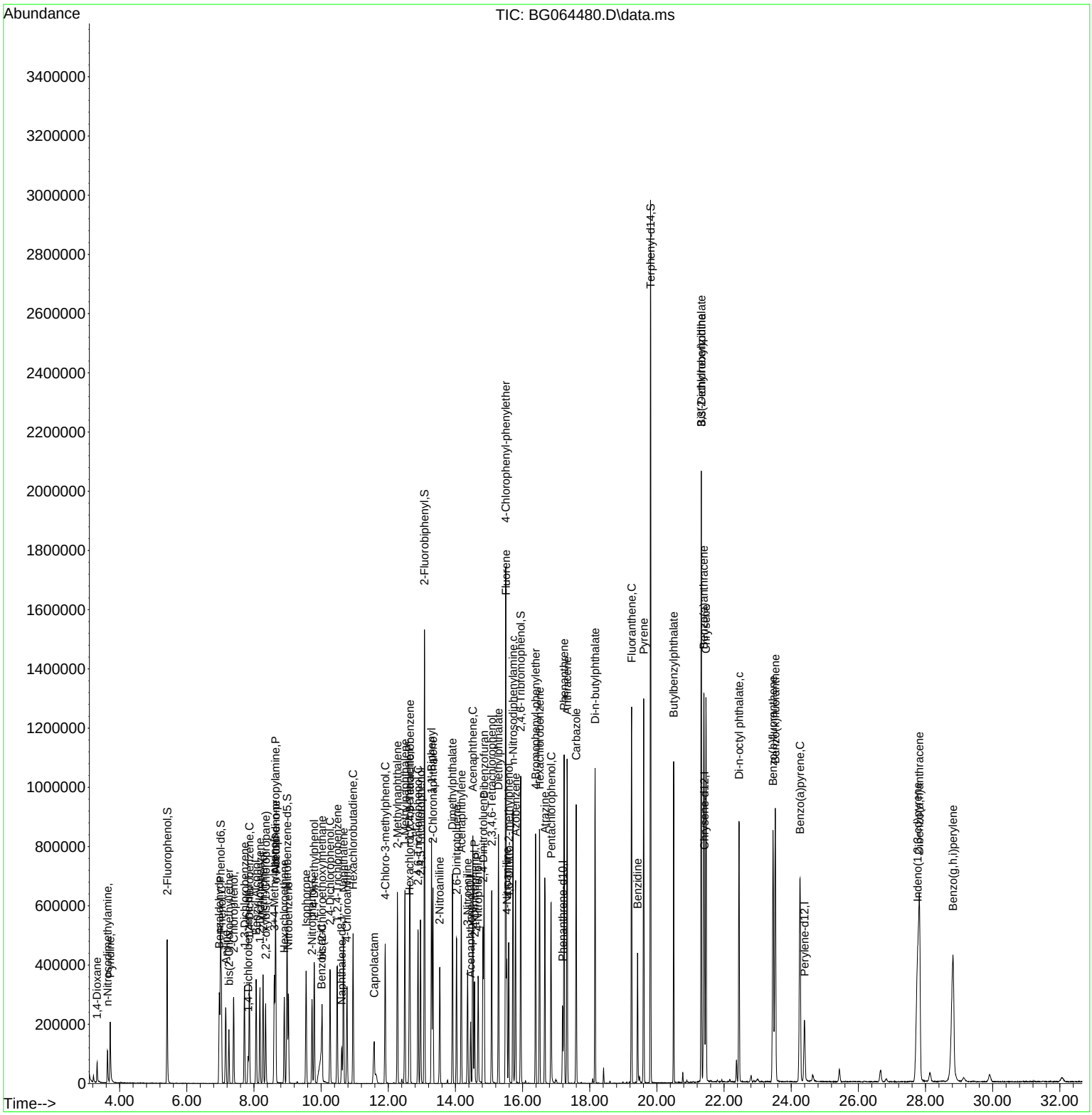
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064480.D
Acq On : 2 Oct 2025 14:16
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

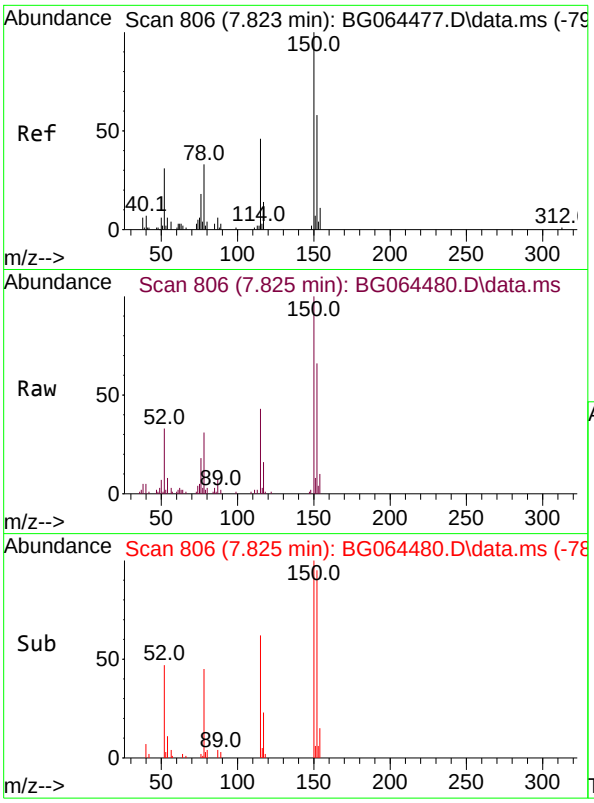
Quant Time: Oct 02 16:53:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

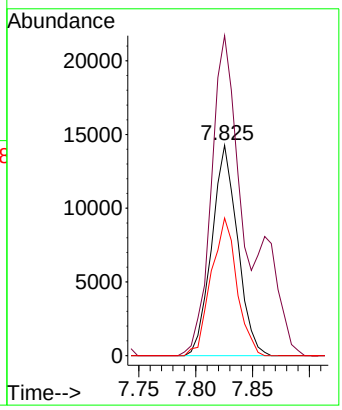




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.825 min Scan# 80
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:152 Resp: 2253

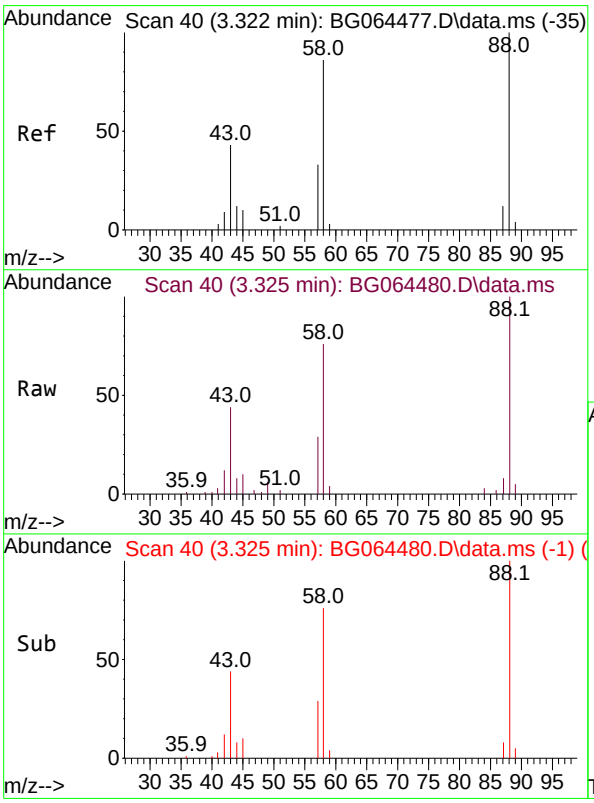
Ion	Ratio	Lower	Upper
152	100		
150	152.2	138.6	207.8
115	65.4	63.4	95.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

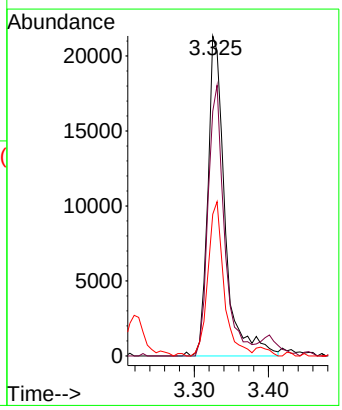
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

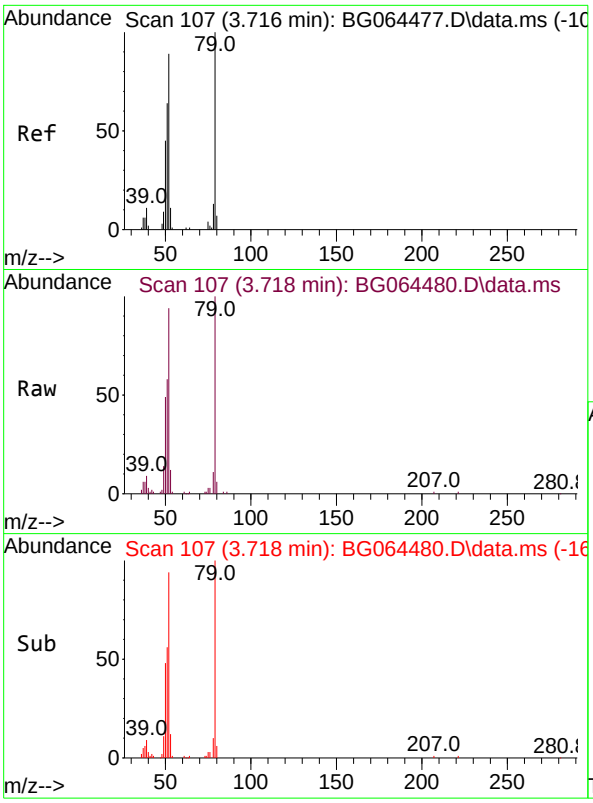


#2
1,4-Dioxane
Concen: 71.240 ng
RT: 3.325 min Scan# 40
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 88 Resp: 34310

Ion	Ratio	Lower	Upper
88	100		
58	79.9	69.8	104.6
43	44.7	37.4	56.0

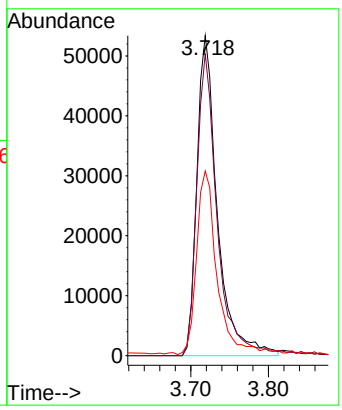




#3
Pyridine
Concen: 75.592 ng
RT: 3.718 min Scan# 10
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 79 Resp: 9784

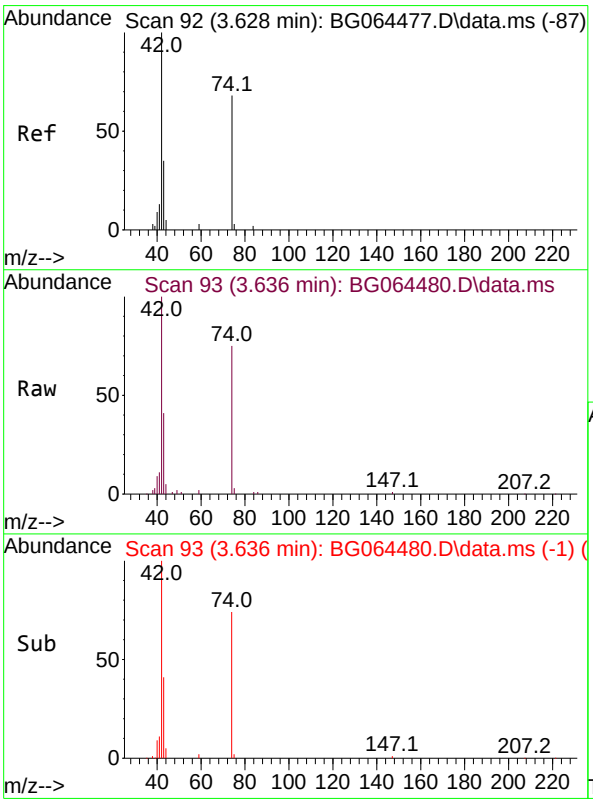
Ion	Ratio	Lower	Upper
79	100		
52	94.4	71.0	106.4
51	57.7	51.0	76.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

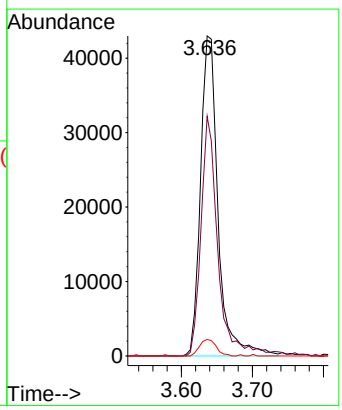
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

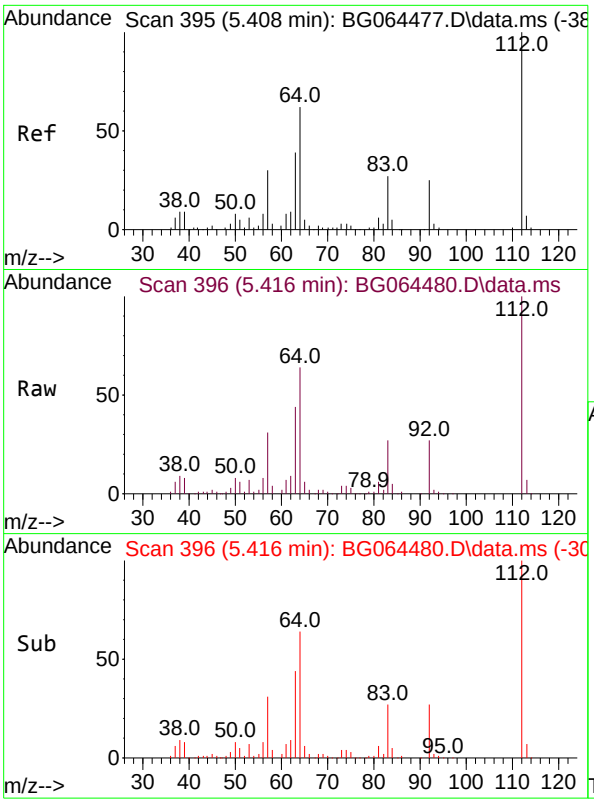


#4
n-Nitrosodimethylamine
Concen: 78.177 ng
RT: 3.636 min Scan# 93
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 42 Resp: 73356

Ion	Ratio	Lower	Upper
42	100		
74	74.9	54.2	81.4
44	5.1	4.2	6.2

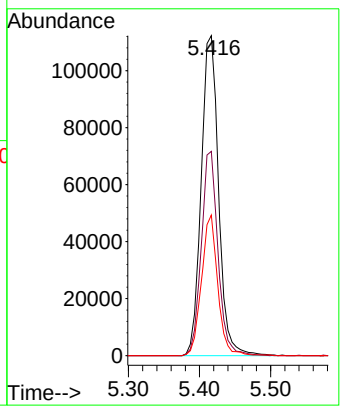




#5
2-Fluorophenol
Concen: 155.949 ng
RT: 5.416 min Scan# 39
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:112 Resp: 189884

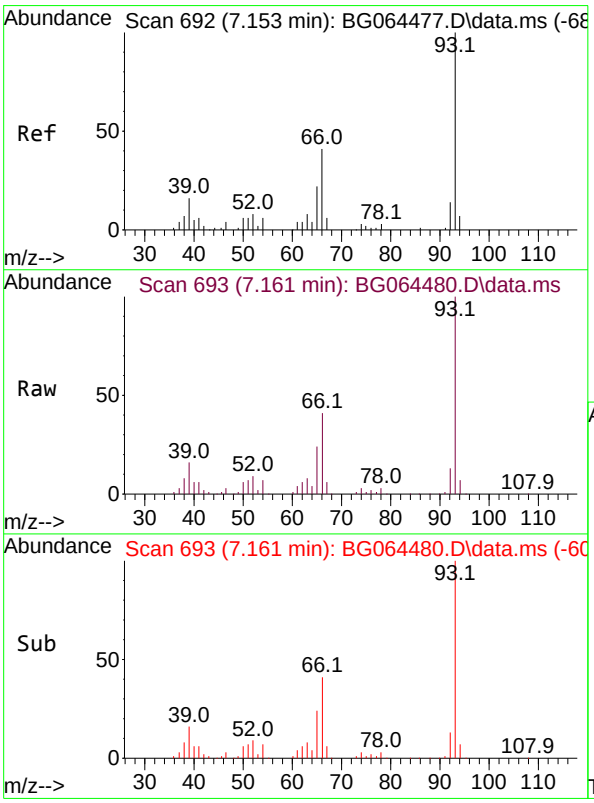
Ion	Ratio	Lower	Upper
112	100		
64	63.8	49.8	74.8
63	43.9	31.3	46.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

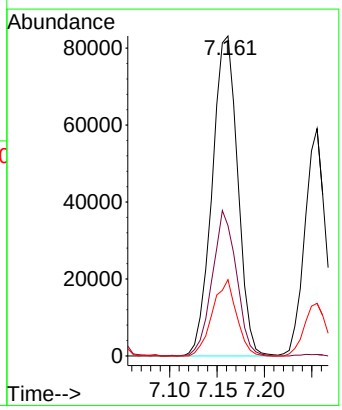
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

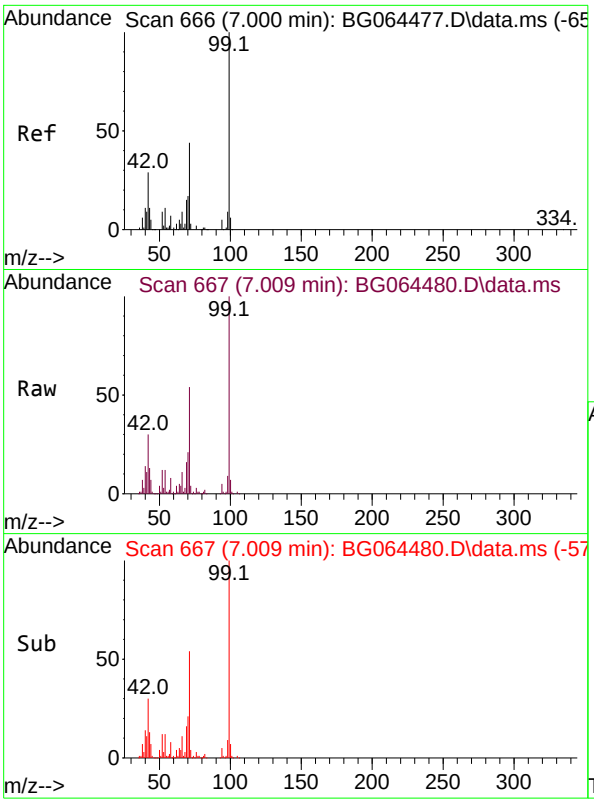


#6
Aniline
Concen: 75.518 ng
RT: 7.161 min Scan# 693
Delta R.T. 0.017 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 93 Resp: 155867

Ion	Ratio	Lower	Upper
93	100		
66	40.7	33.0	49.4
65	23.8	17.5	26.3

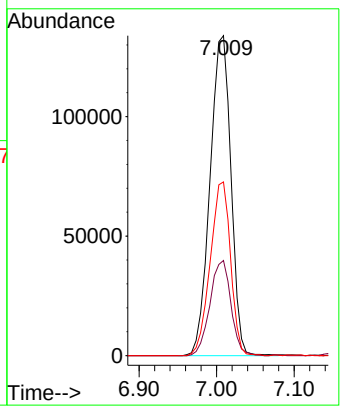




#7
Phenol-d6
Concen: 153.254 ng
RT: 7.009 min Scan# 6
Delta R.T. 0.023 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 99 Resp: 25076

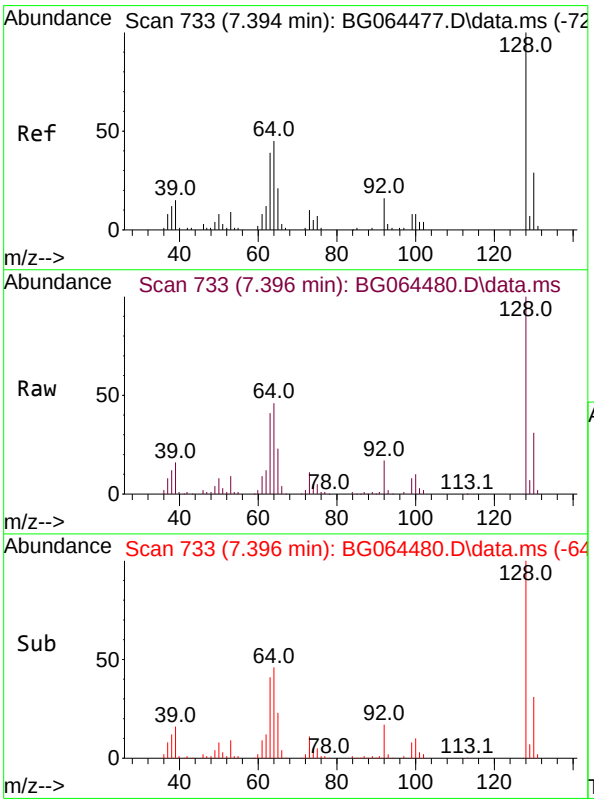
Ion	Ratio	Lower	Upper
99	100		
42	29.7	22.9	34.3
71	54.3	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

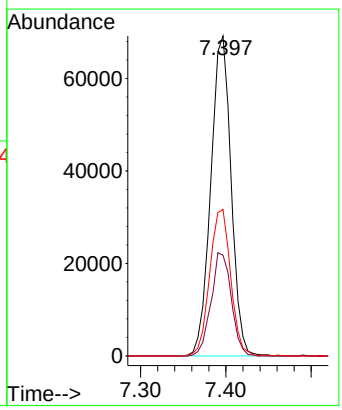
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

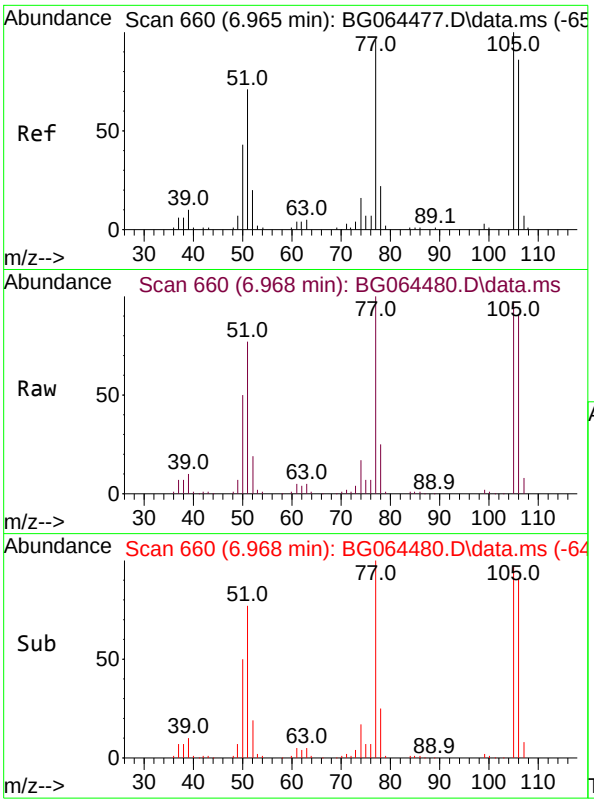


#8
2-Chlorophenol
Concen: 76.619 ng
RT: 7.396 min Scan# 733
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:128 Resp: 114558

Ion	Ratio	Lower	Upper
128	100		
130	31.5	9.2	49.2
64	45.8	25.5	65.5

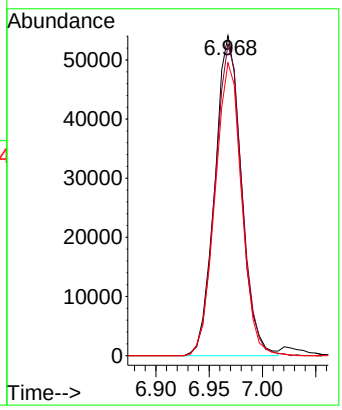




#9
Benzaldehyde
Concen: 64.370 ng
RT: 6.968 min Scan# 6
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 77 Resp: 9349

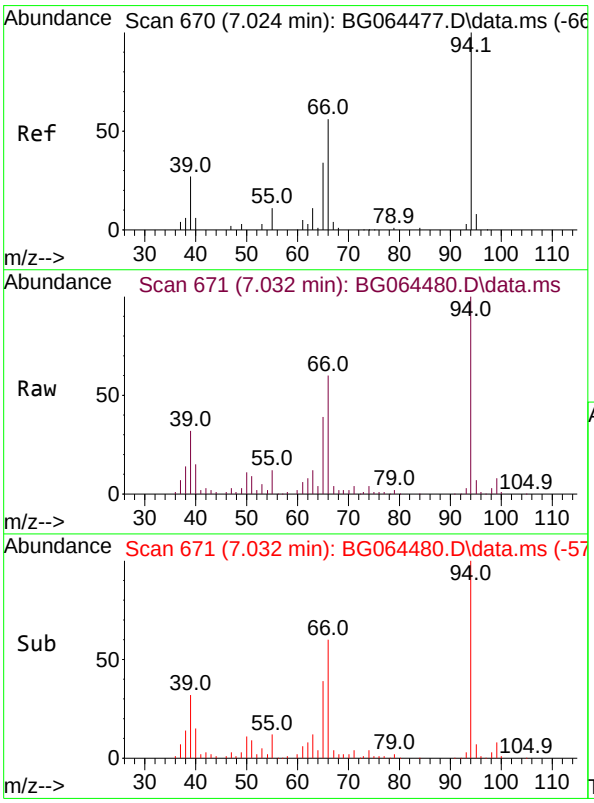
Ion	Ratio	Lower	Upper
77	100		
105	97.4	83.7	123.7
106	91.5	69.4	109.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

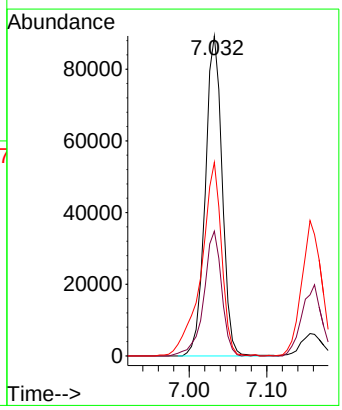
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

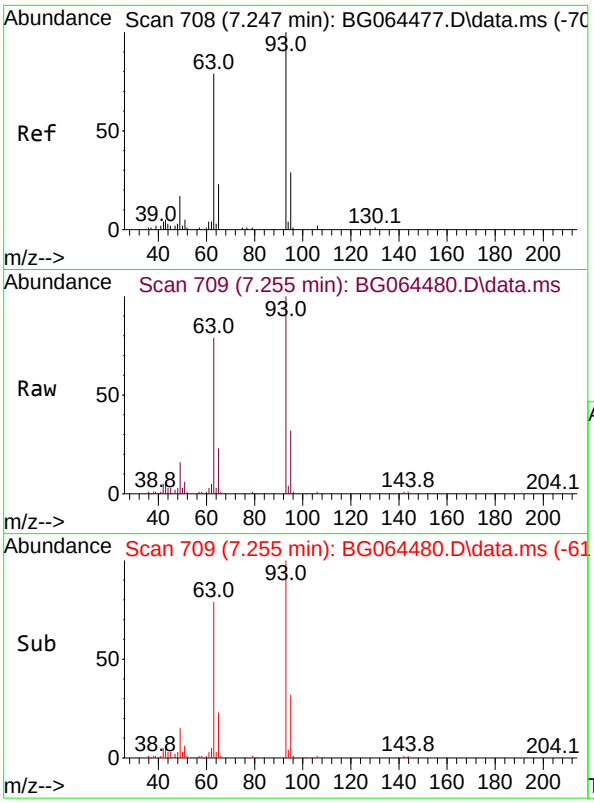


#10
Phenol
Concen: 78.138 ng
RT: 7.032 min Scan# 671
Delta R.T. 0.017 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 94 Resp: 134875

Ion	Ratio	Lower	Upper
94	100		
65	39.0	14.8	54.8
66	60.5	41.4	81.4

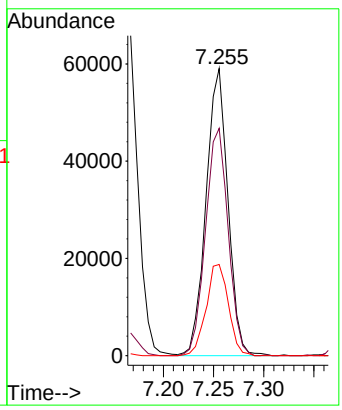




#11
bis(2-Chloroethyl)ether
Concen: 76.500 ng
RT: 7.255 min Scan# 70
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 93 Resp: 8942

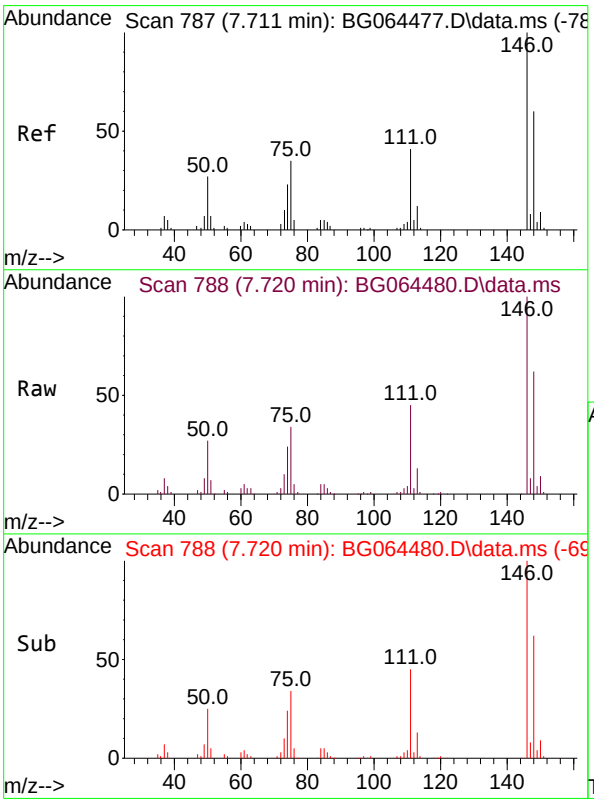
Ion	Ratio	Lower	Upper
93	100		
63	79.2	59.5	99.5
95	31.7	8.8	48.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

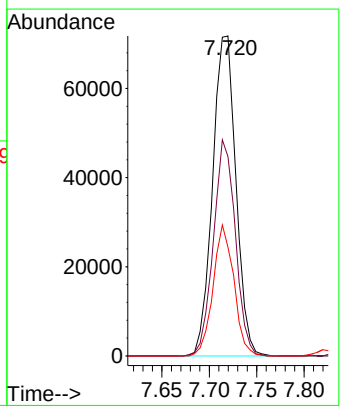
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

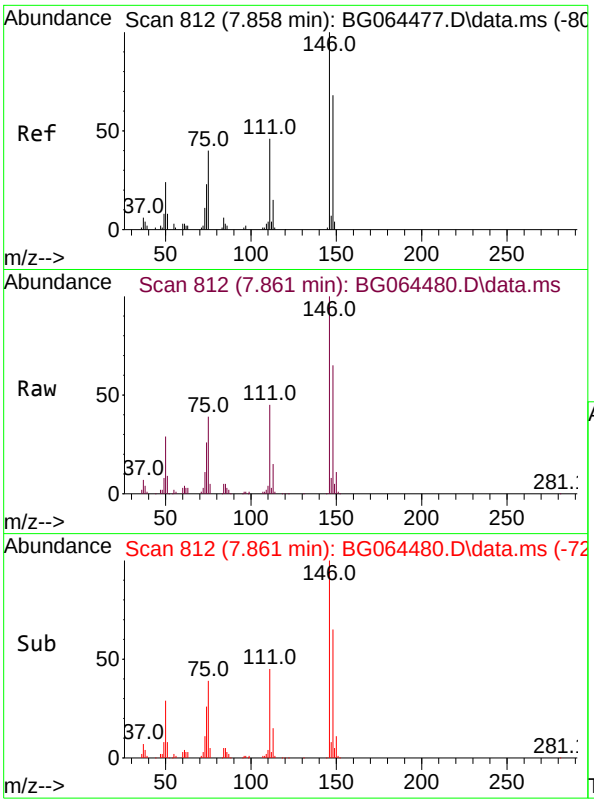


#12
1,3-Dichlorobenzene
Concen: 75.107 ng
RT: 7.720 min Scan# 788
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:146 Resp: 122844

Ion	Ratio	Lower	Upper
146	100		
148	62.3	48.4	72.6
75	34.0	28.3	42.5

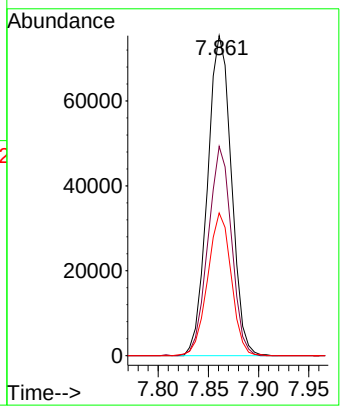




#13
1,4-Dichlorobenzene
Concen: 75.917 ng
RT: 7.861 min Scan# 81
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:146 Resp: 12461

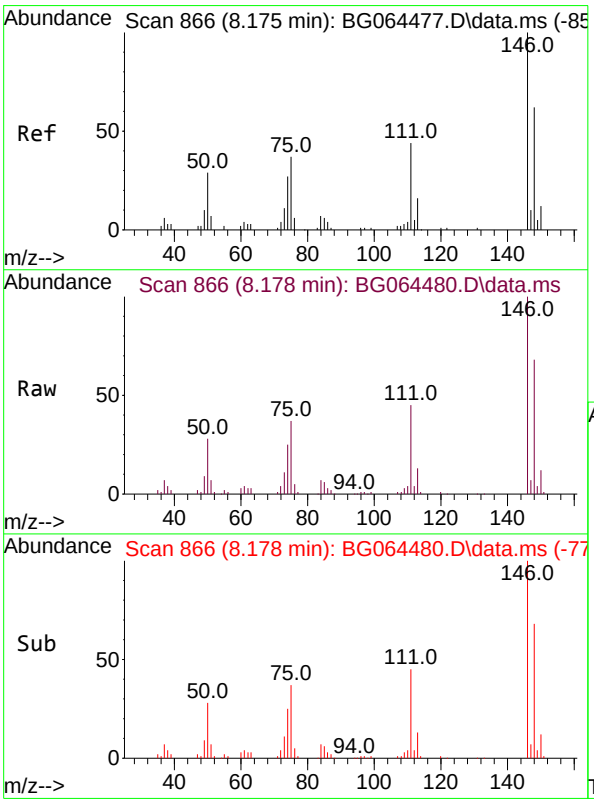
Ion	Ratio	Lower	Upper
146	100		
148	65.4	54.4	81.6
111	44.6	36.5	54.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

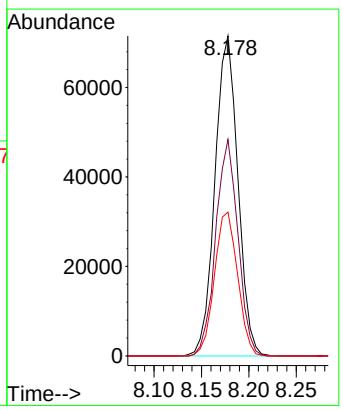
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

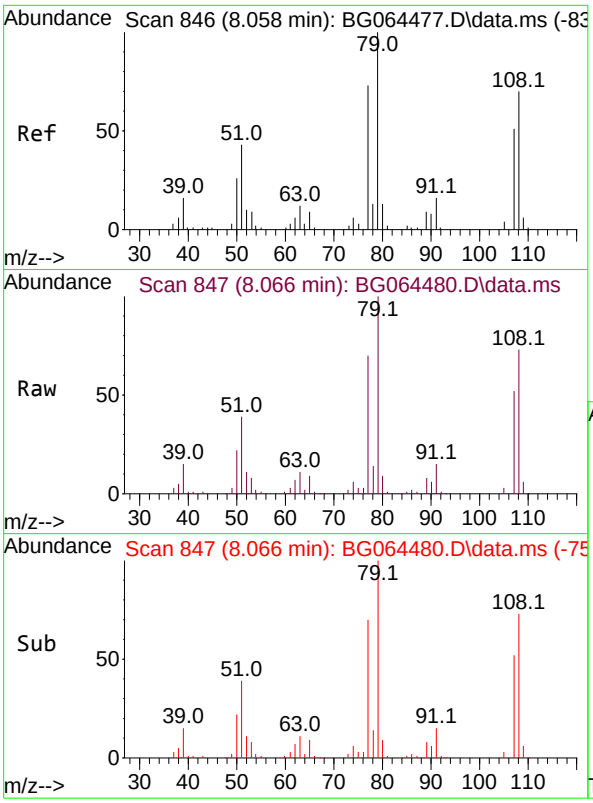


#14
1,2-Dichlorobenzene
Concen: 74.398 ng
RT: 8.178 min Scan# 866
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:146 Resp: 120364

Ion	Ratio	Lower	Upper
146	100		
148	67.6	50.0	75.0
111	44.9	35.0	52.4

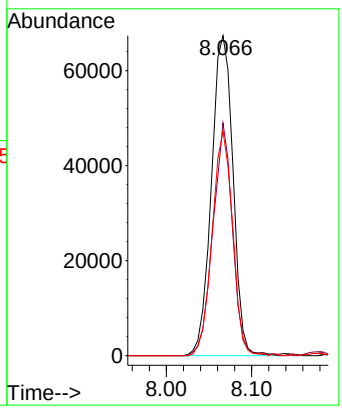




#15
Benzyl Alcohol
Concen: 78.483 ng
RT: 8.066 min Scan# 84
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 79 Resp: 11826

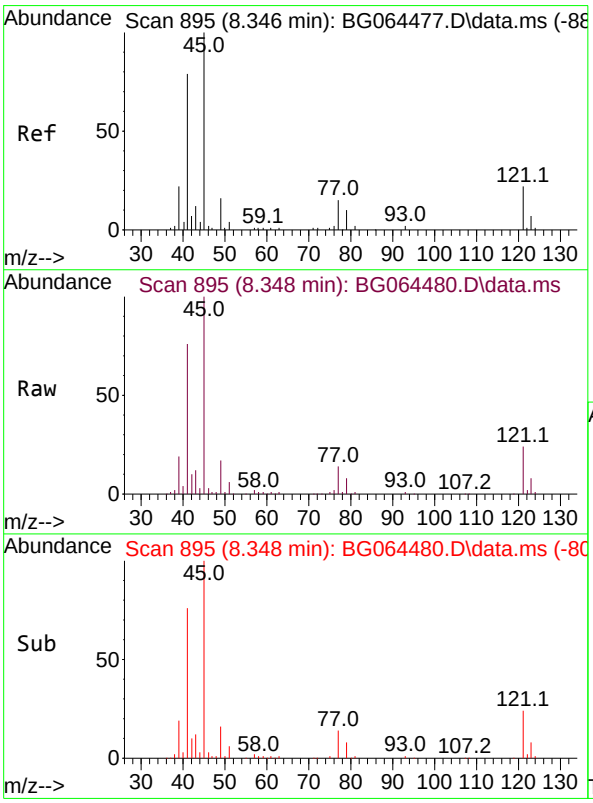
Ion	Ratio	Lower	Upper
79	100		
108	72.7	56.4	84.6
77	70.1	58.3	87.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

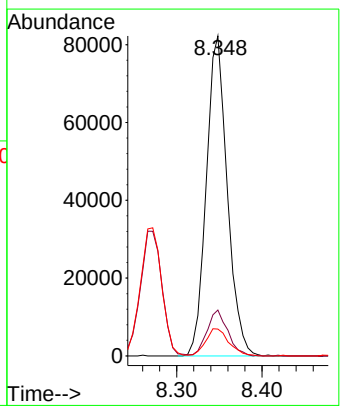
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

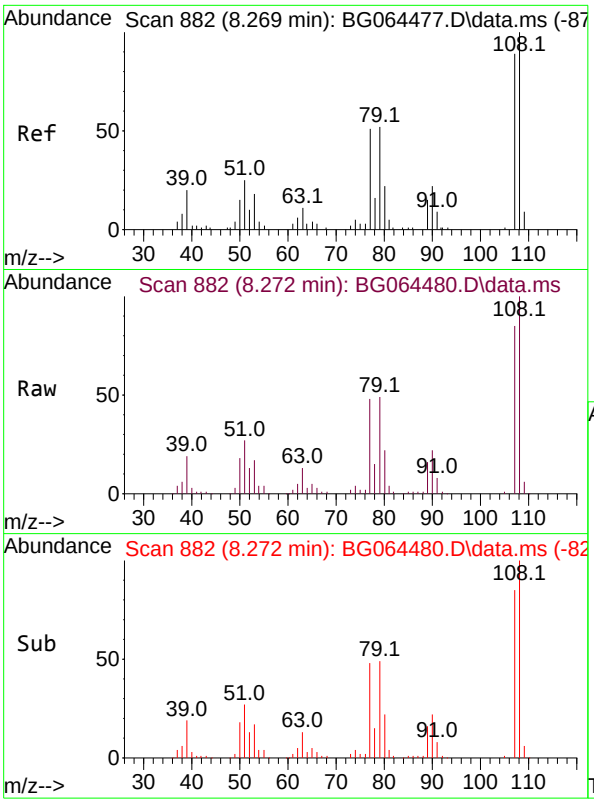


#16
2,2'-oxybis(1-Chloropropane)
Concen: 74.507 ng
RT: 8.348 min Scan# 895
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 45 Resp: 140388

Ion	Ratio	Lower	Upper
45	100		
77	14.3	0.0	35.6
79	8.4	0.0	30.7

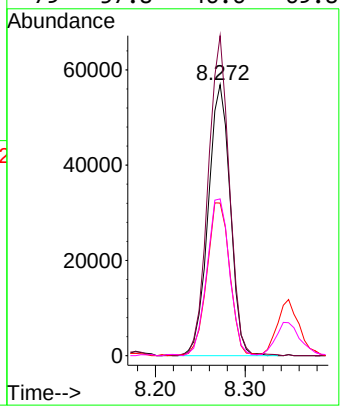




#17
2-Methylphenol
Concen: 77.657 ng
RT: 8.272 min Scan# 88
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:107 Resp: 97064

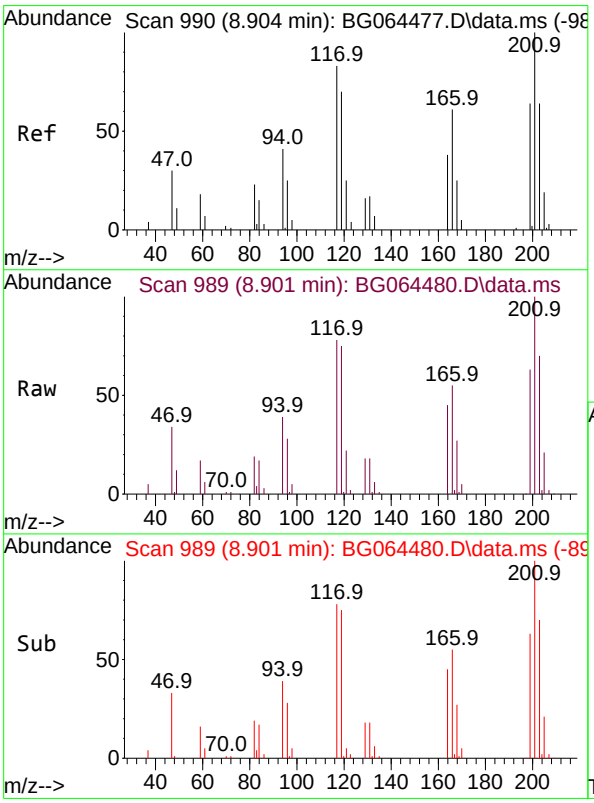
Ion	Ratio	Lower	Upper
107	100		
108	118.1	90.3	135.5
77	56.3	46.0	69.0
79	57.8	46.6	69.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

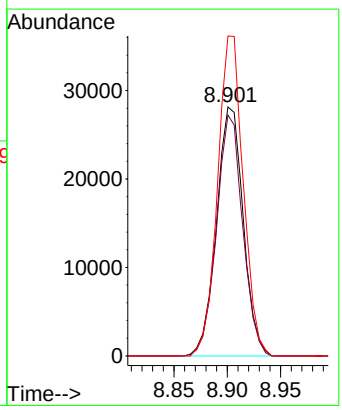
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

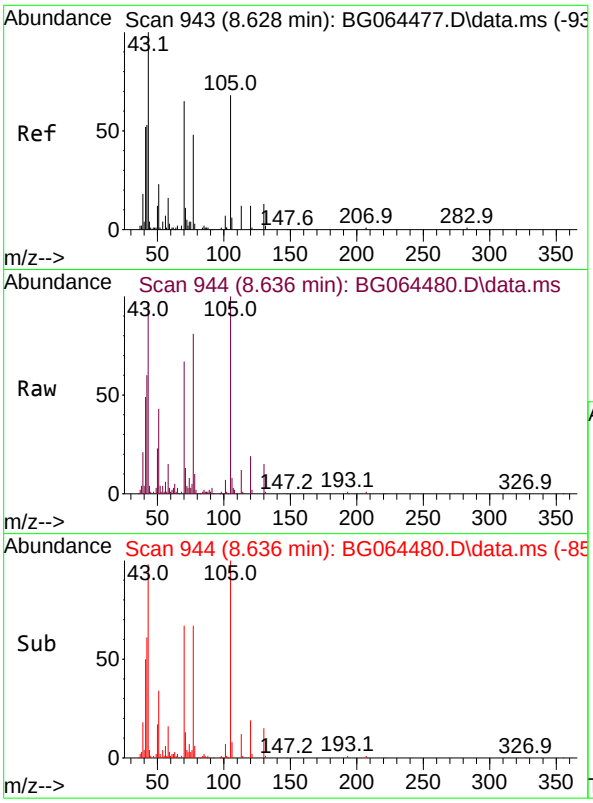


#18
Hexachloroethane
Concen: 75.666 ng
RT: 8.901 min Scan# 989
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:117 Resp: 49027

Ion	Ratio	Lower	Upper
117	100		
119	96.7	67.4	101.0
201	128.6	95.9	143.9

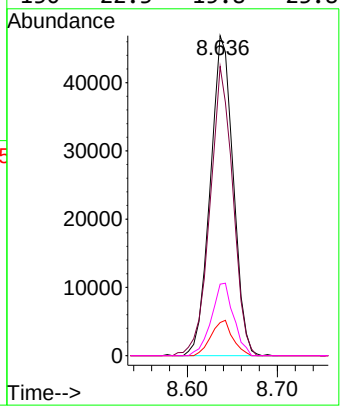




#19
n-Nitroso-di-n-propylamine
Concen: 76.290 ng
RT: 8.636 min Scan# 94
Delta R.T. 0.023 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 70 Resp: 8348

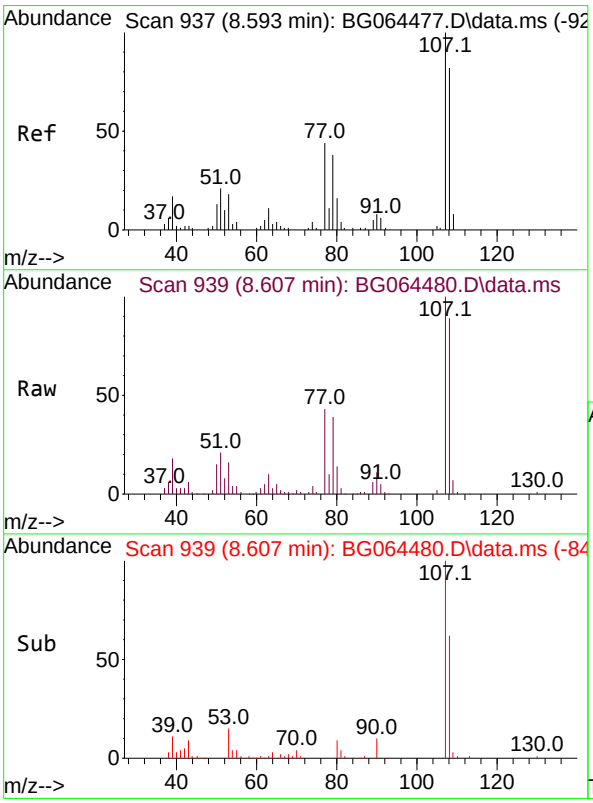
Ion	Ratio	Lower	Upper
70	100		
42	90.4	64.9	97.3
101	10.3	8.7	13.1
130	22.3	15.8	23.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

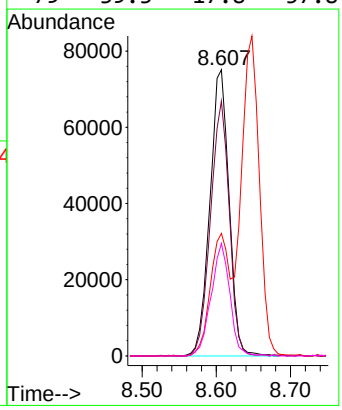
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

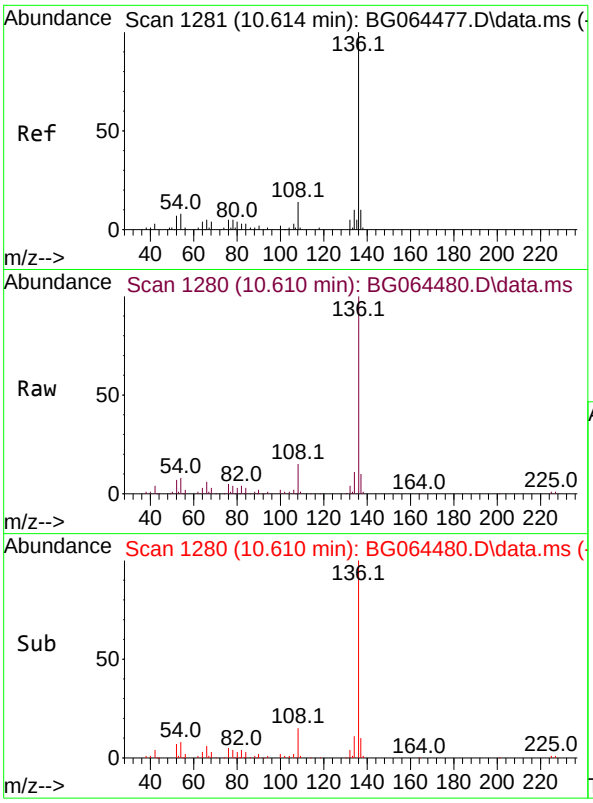


#20
3+4-Methylphenols
Concen: 77.191 ng
RT: 8.607 min Scan# 939
Delta R.T. 0.017 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:107 Resp: 134638

Ion	Ratio	Lower	Upper
107	100		
108	89.1	62.1	102.1
77	42.8	23.5	63.5
79	39.3	17.8	57.8

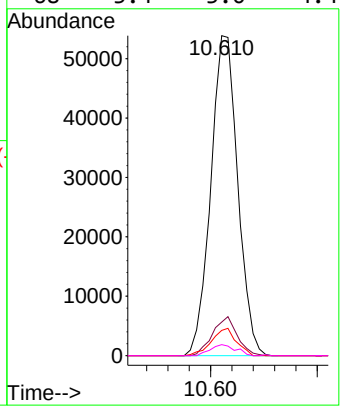




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:136 Resp: 9456

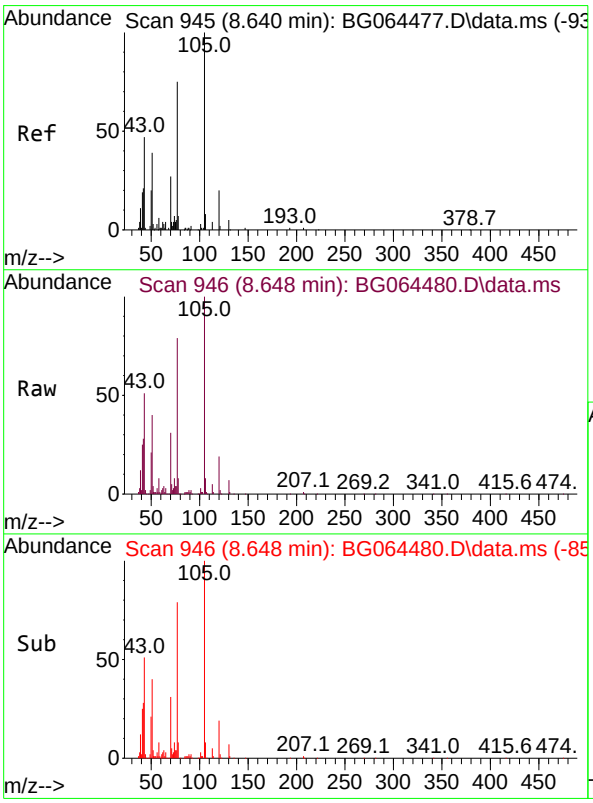
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.3	12.5
54	7.9	6.2	9.4
68	3.4	3.0	4.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

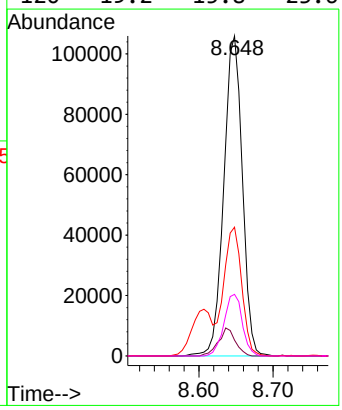
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

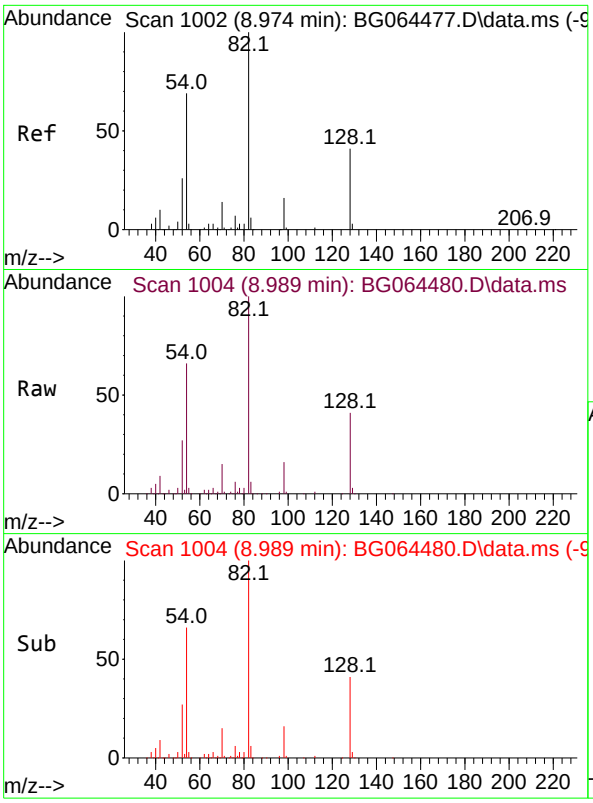


#22
Acetophenone
Concen: 80.227 ng
RT: 8.648 min Scan# 946
Delta R.T. 0.017 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:105 Resp: 183701

Ion	Ratio	Lower	Upper
105	100		
71	4.9	2.8	4.2#
51	40.2	33.0	49.4
120	19.2	15.8	23.6

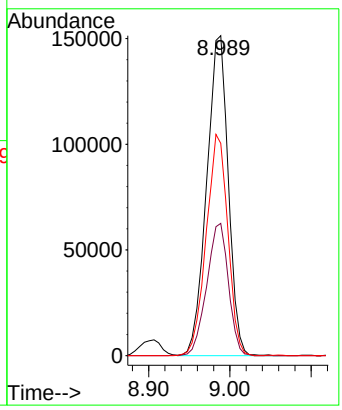




#23
Nitrobenzene-d5
Concen: 158.678 ng
RT: 8.989 min Scan# 1
Delta R.T. 0.023 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 82 Resp: 279078

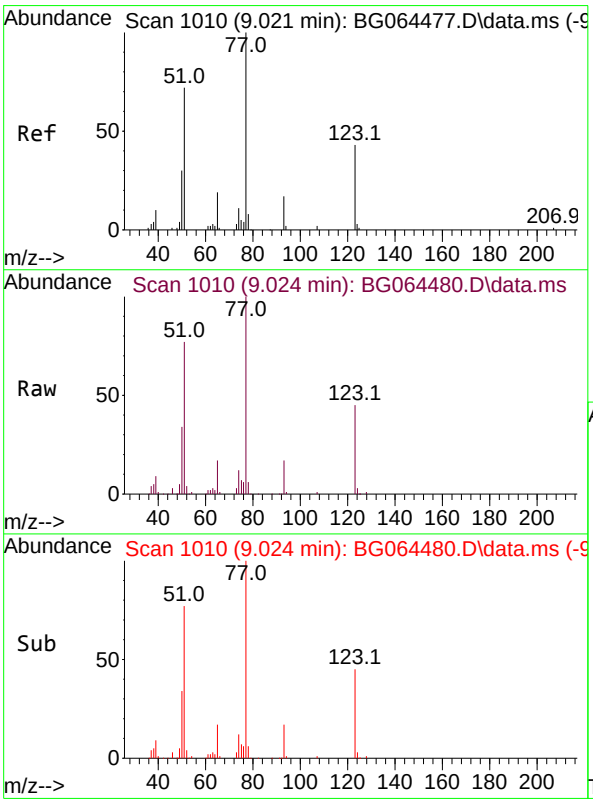
Ion	Ratio	Lower	Upper
82	100		
128	41.3	33.1	49.7
54	66.3	55.4	83.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

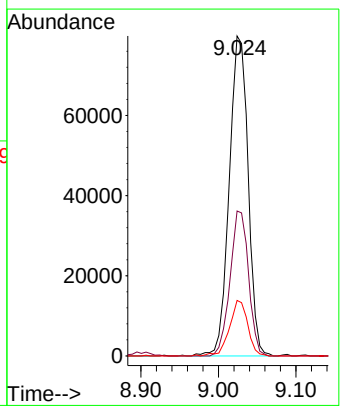
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

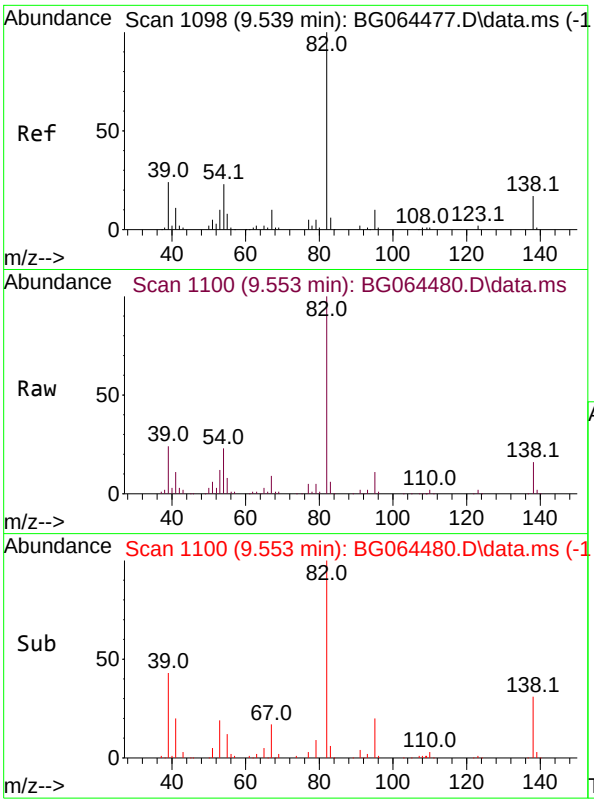


#24
Nitrobenzene
Concen: 77.123 ng
RT: 9.024 min Scan# 1010
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 77 Resp: 135264

Ion	Ratio	Lower	Upper
77	100		
123	45.3	34.4	51.6
65	17.3	14.8	22.2

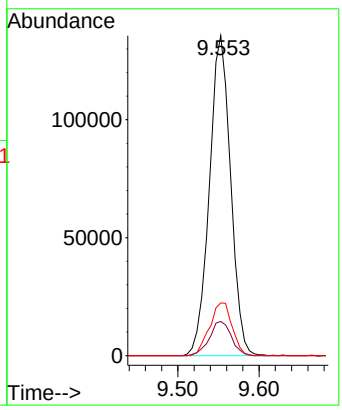




#25
Isophorone
Concen: 77.188 ng
RT: 9.553 min Scan# 11
Delta R.T. 0.023 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 82 Resp: 24593

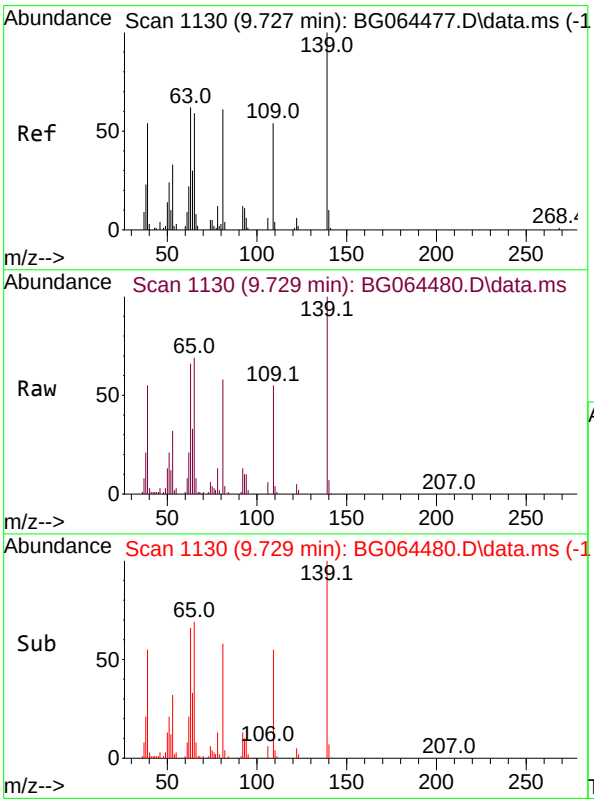
Ion	Ratio	Lower	Upper
82	100		
95	10.7	7.8	11.8
138	16.5	13.8	20.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

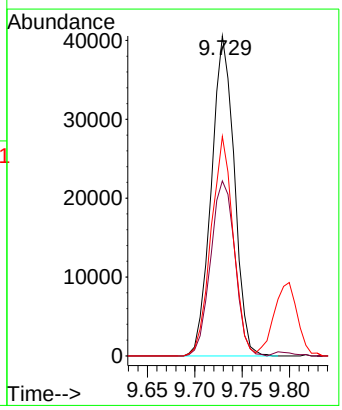
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

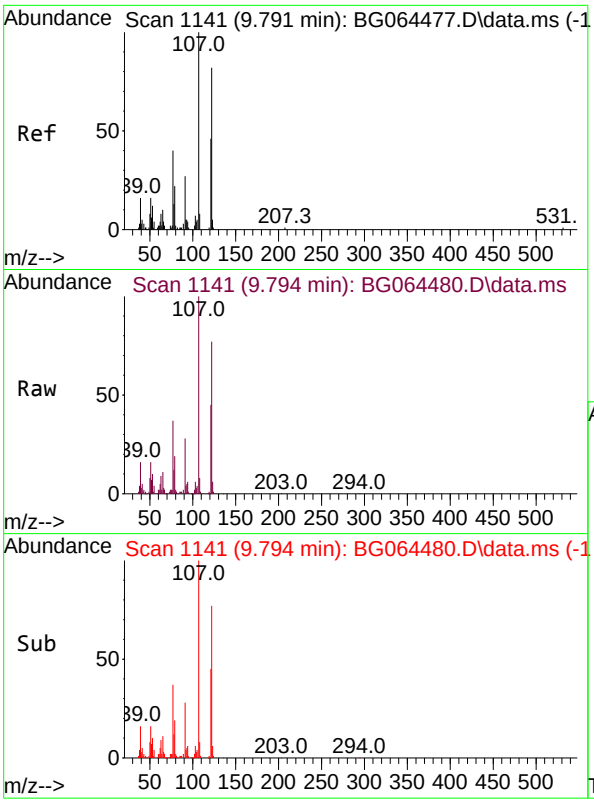


#26
2-Nitrophenol
Concen: 78.281 ng
RT: 9.729 min Scan# 1130
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:139 Resp: 68332

Ion	Ratio	Lower	Upper
139	100		
109	54.7	43.0	64.6
65	68.6	47.4	71.2

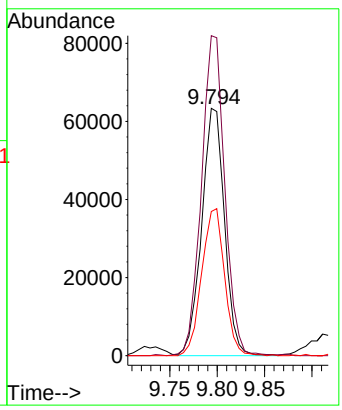




#27
2,4-Dimethylphenol
Concen: 79.619 ng
RT: 9.794 min Scan# 11
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:122 Resp: 10615

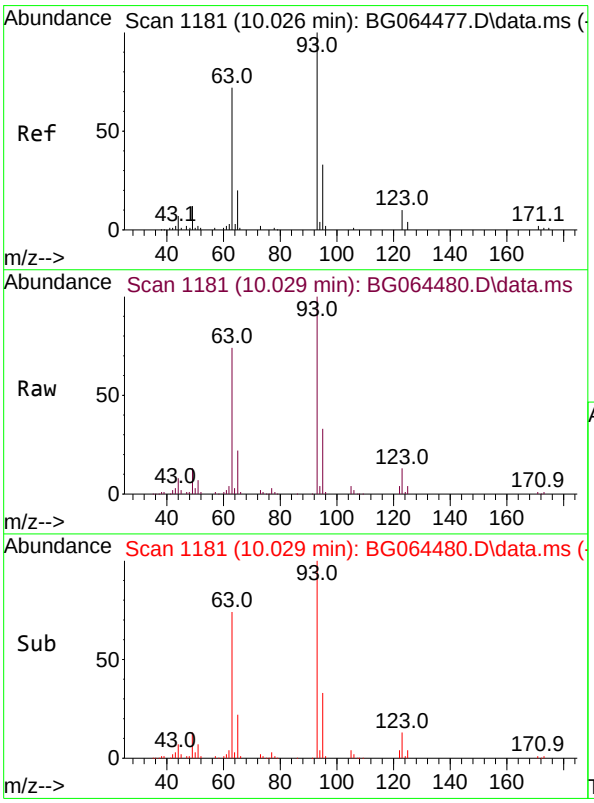
Ion	Ratio	Lower	Upper
122	100		
107	129.4	98.3	147.5
121	58.2	44.7	67.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

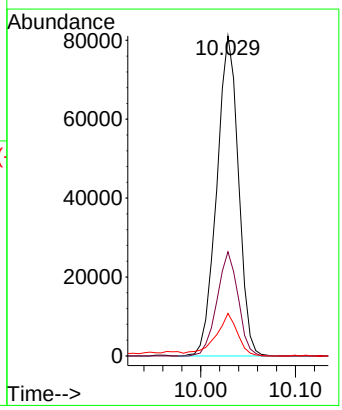
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

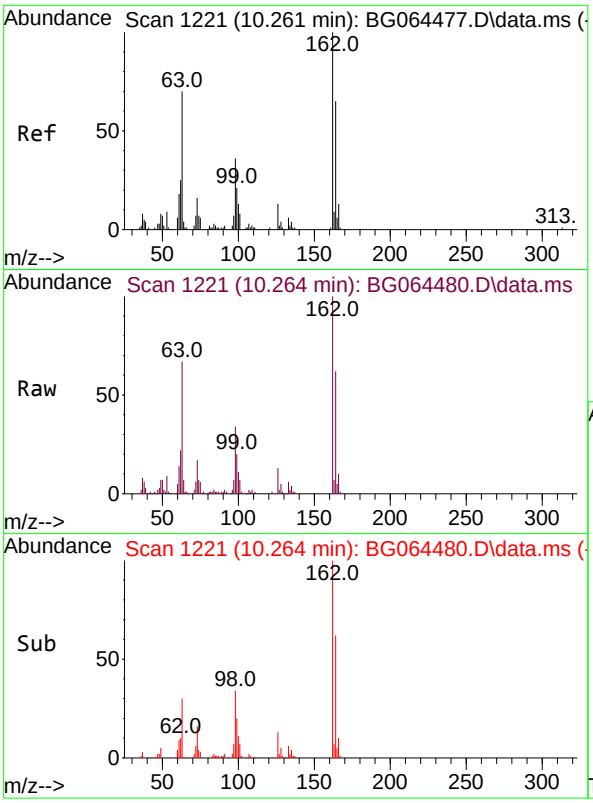


#28
bis(2-Chloroethoxy)methane
Concen: 79.313 ng
RT: 10.029 min Scan# 1181
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 93 Resp: 128813

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.5	39.7
123	13.3	8.9	13.3

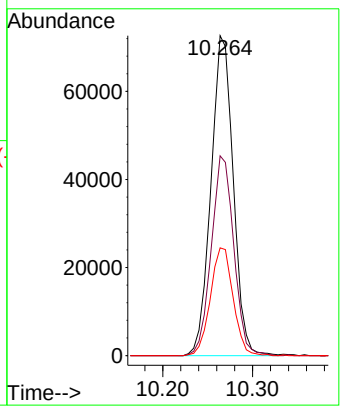




#29
2,4-Dichlorophenol
Concen: 81.436 ng
RT: 10.264 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:162 Resp: 12555

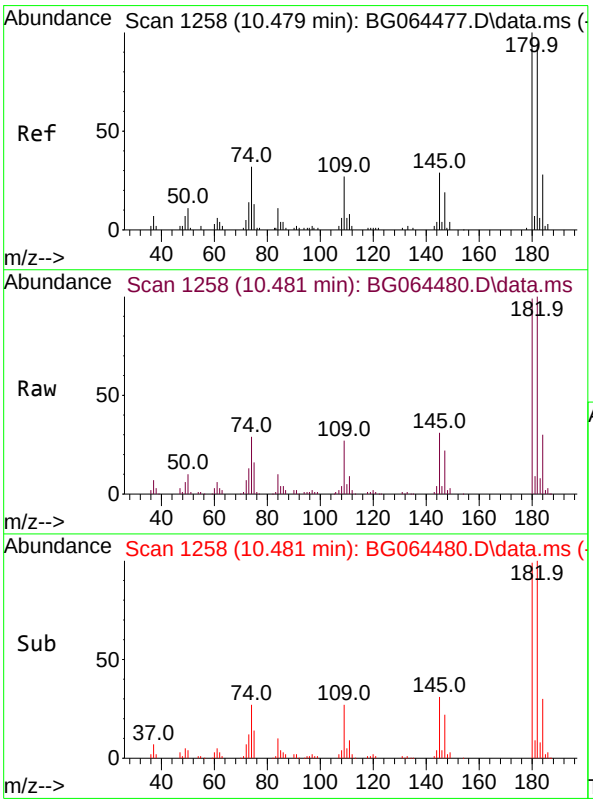
Ion	Ratio	Lower	Upper
162	100		
164	62.5	45.4	85.4
98	33.7	16.4	56.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

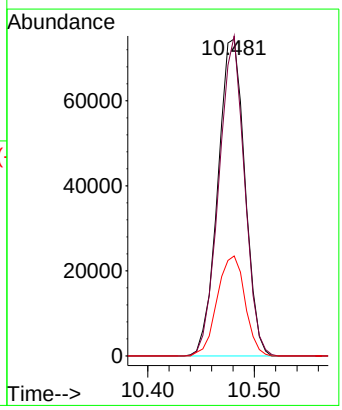
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

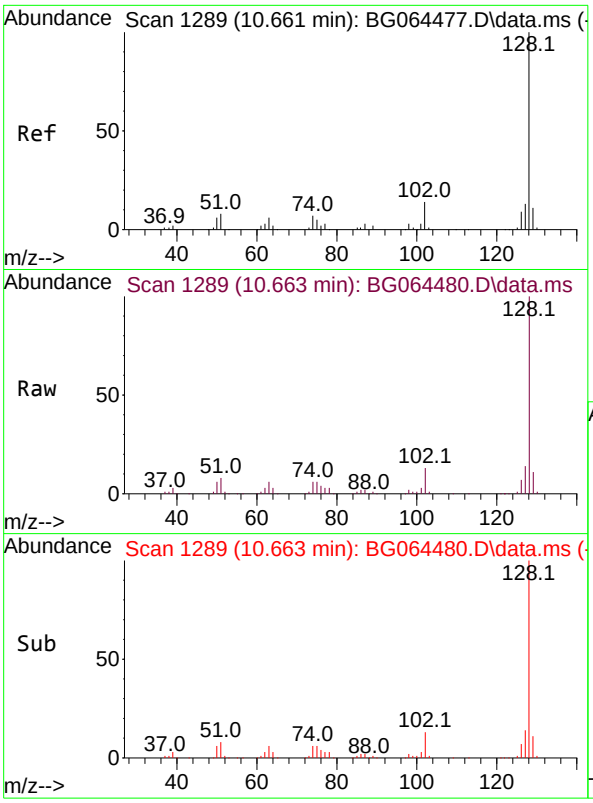


#30
1,2,4-Trichlorobenzene
Concen: 78.115 ng
RT: 10.481 min Scan# 1258
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:180 Resp: 131315

Ion	Ratio	Lower	Upper
180	100		
182	101.0	75.4	113.2
145	31.5	23.2	34.8

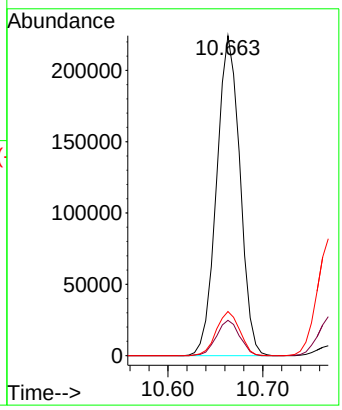




#31
Naphthalene
Concen: 78.560 ng
RT: 10.663 min Scan# 1
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:128 Resp: 38257

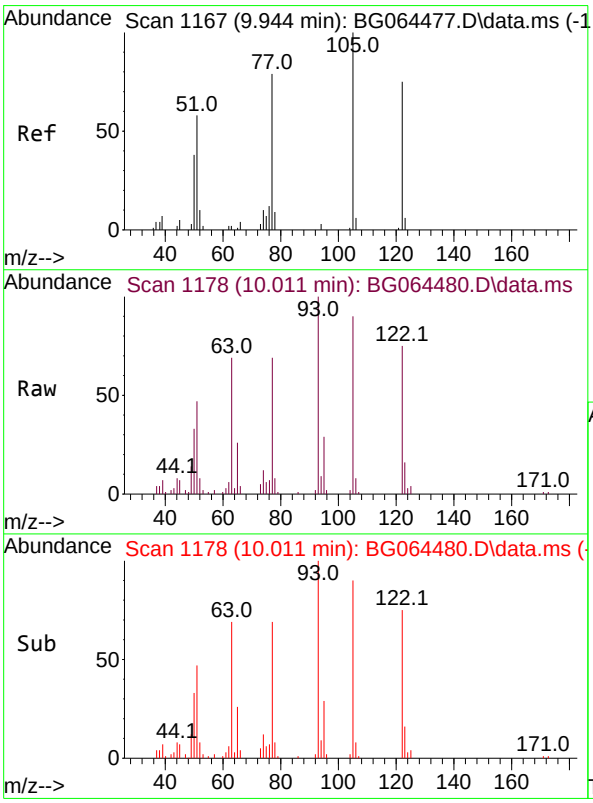
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.8	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

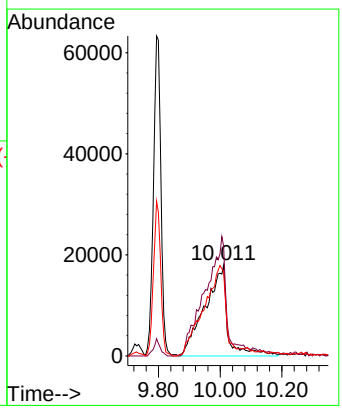
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

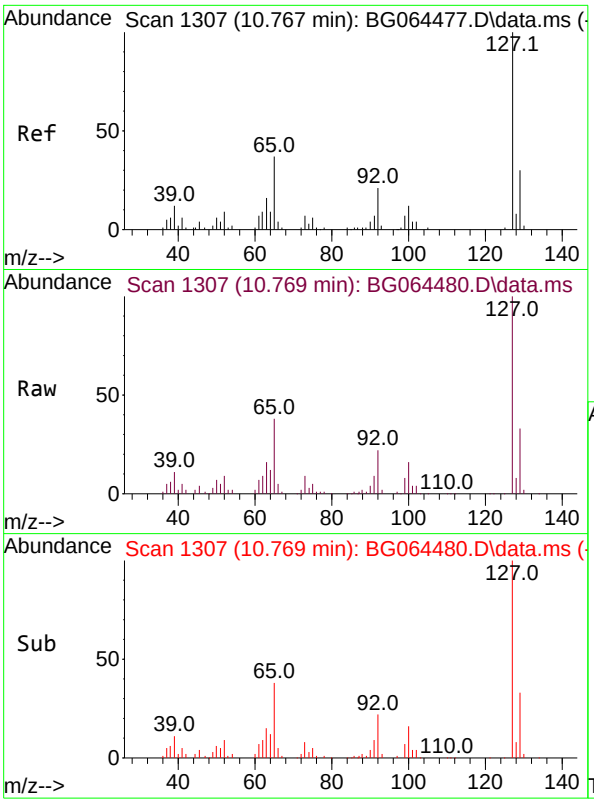


#32
Benzoic acid
Concen: 89.680 ng m
RT: 10.011 min Scan# 1178
Delta R.T. 0.122 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:122 Resp: 91798

Ion	Ratio	Lower	Upper
122	100		
105	120.9	113.9	153.9
77	92.4	86.1	126.1

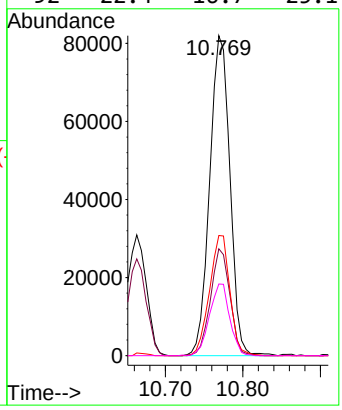




#33
4-Chloroaniline
Concen: 79.425 ng
RT: 10.769 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:127 Resp: 14842

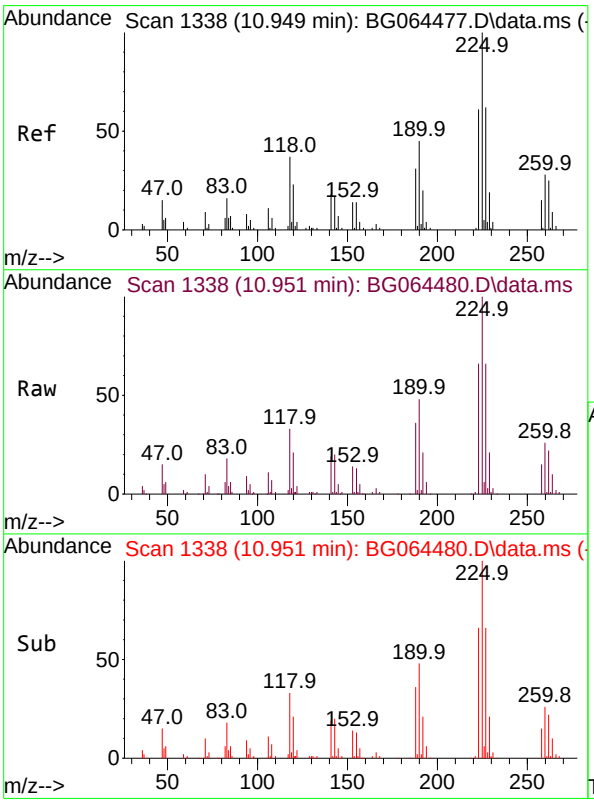
Ion	Ratio	Lower	Upper
127	100		
129	33.4	24.2	36.4
65	37.5	29.6	44.4
92	22.4	16.7	25.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

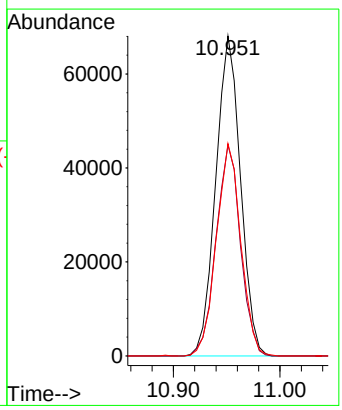
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

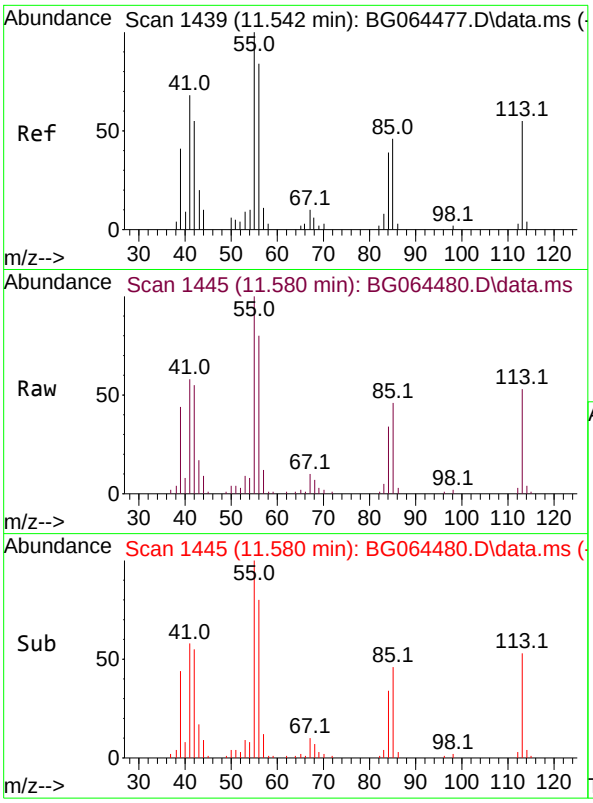


#34
Hexachlorobutadiene
Concen: 76.374 ng
RT: 10.951 min Scan# 1338
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:225 Resp: 109953

Ion	Ratio	Lower	Upper
225	100		
223	65.9	49.0	73.6
227	66.3	49.9	74.9

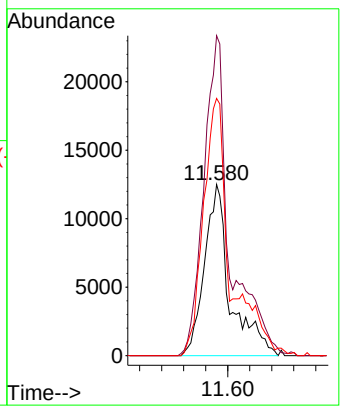




#35
Caprolactam
Concen: 76.417 ng
RT: 11.580 min Scan# 14
Delta R.T. 0.070 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:113 Resp: 4033

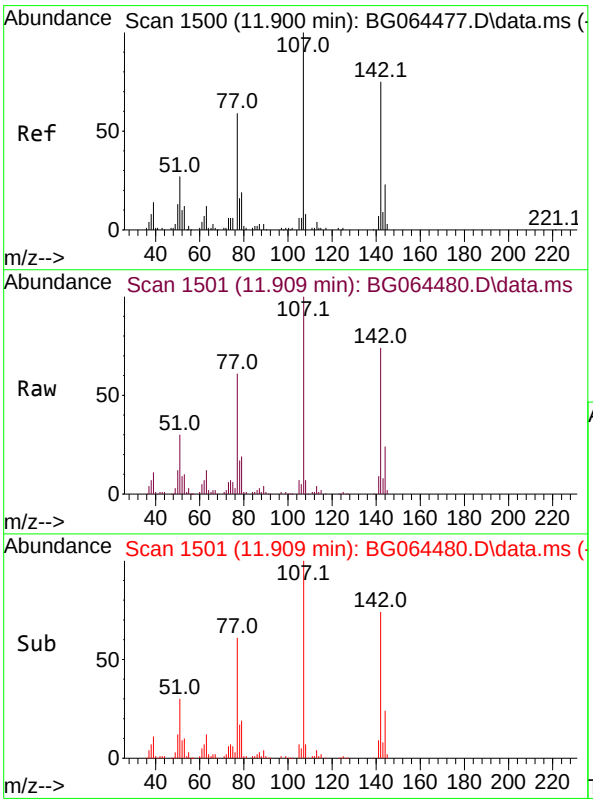
Ion	Ratio	Lower	Upper
113	100		
55	187.1	162.0	202.0
56	150.3	134.6	174.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

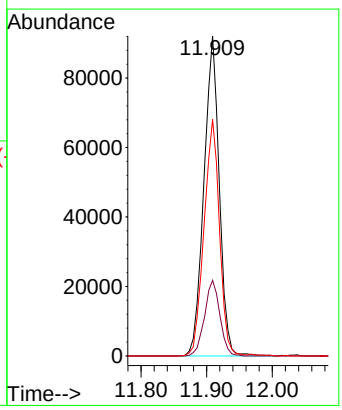
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

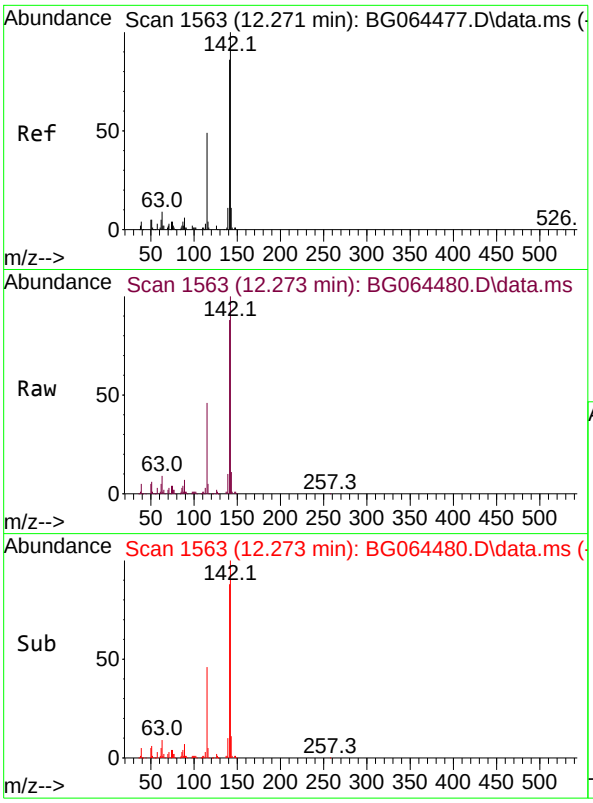


#36
4-Chloro-3-methylphenol
Concen: 79.618 ng
RT: 11.909 min Scan# 1501
Delta R.T. 0.017 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:107 Resp: 149274

Ion	Ratio	Lower	Upper
107	100		
144	23.6	18.7	28.1
142	73.9	60.2	90.2

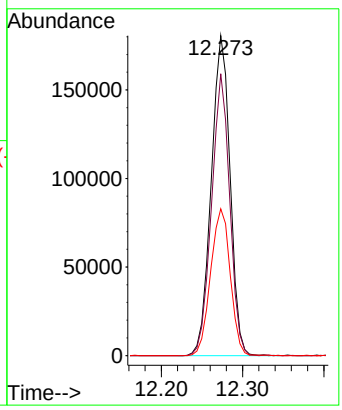




#37
2-Methylnaphthalene
Concen: 77.931 ng
RT: 12.273 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:142 Resp: 291318

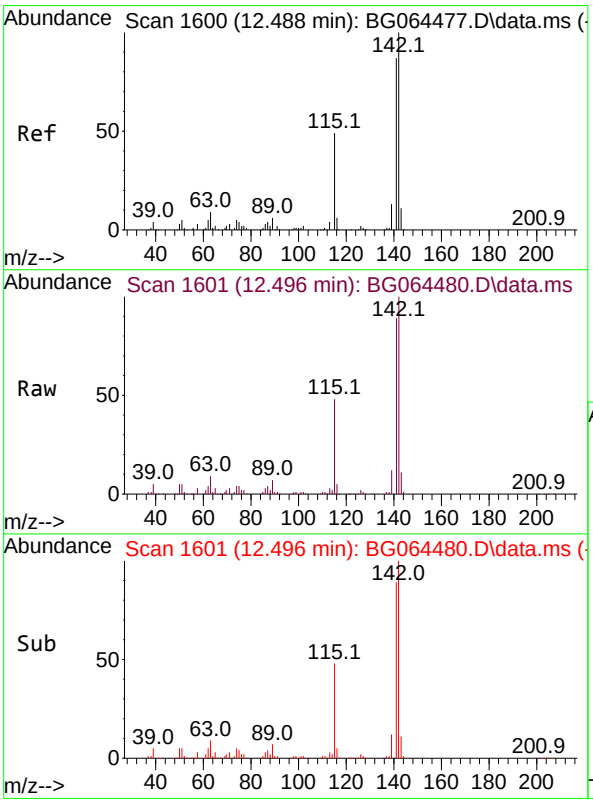
Ion	Ratio	Lower	Upper
142	100		
141	88.1	68.7	103.1
115	45.9	39.3	58.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

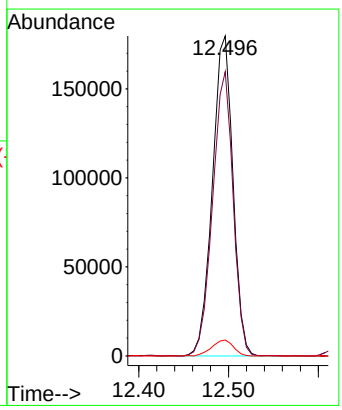
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

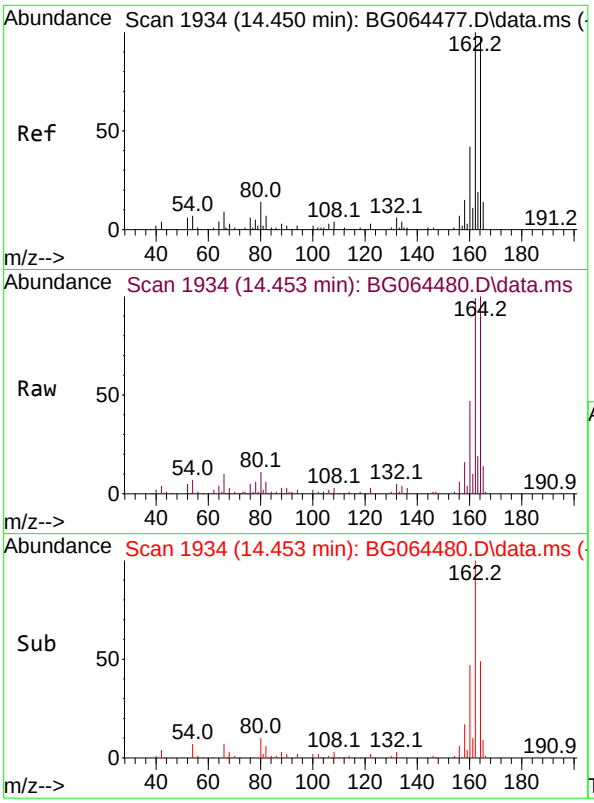


#38
1-Methylnaphthalene
Concen: 76.924 ng
RT: 12.496 min Scan# 1601
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:142 Resp: 286731

Ion	Ratio	Lower	Upper
142	100		
141	88.8	69.8	104.8
116	5.0	4.6	6.8

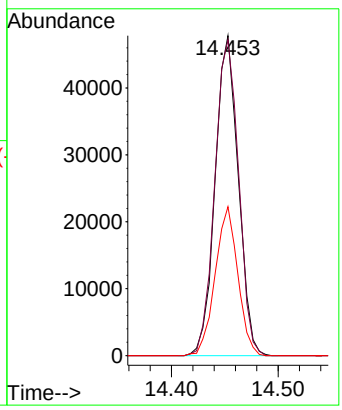




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.453 min Scan# 19
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:164 Resp: 7207

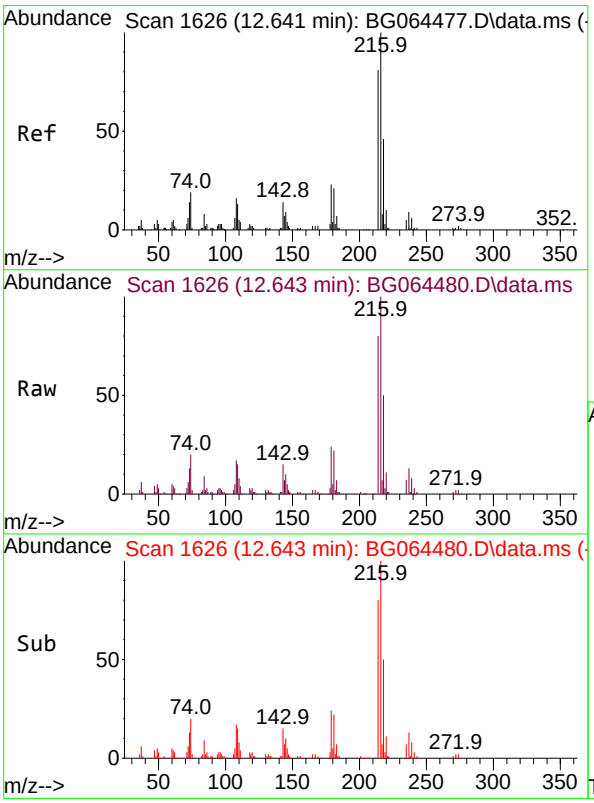
Ion	Ratio	Lower	Upper
164	100		
162	98.7	82.2	123.2
160	46.5	34.3	51.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

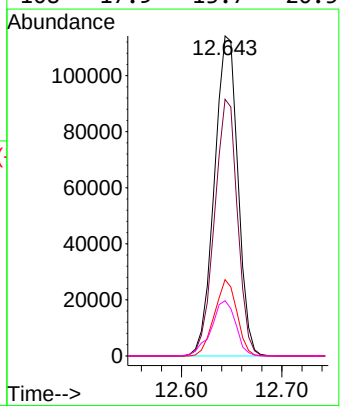
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

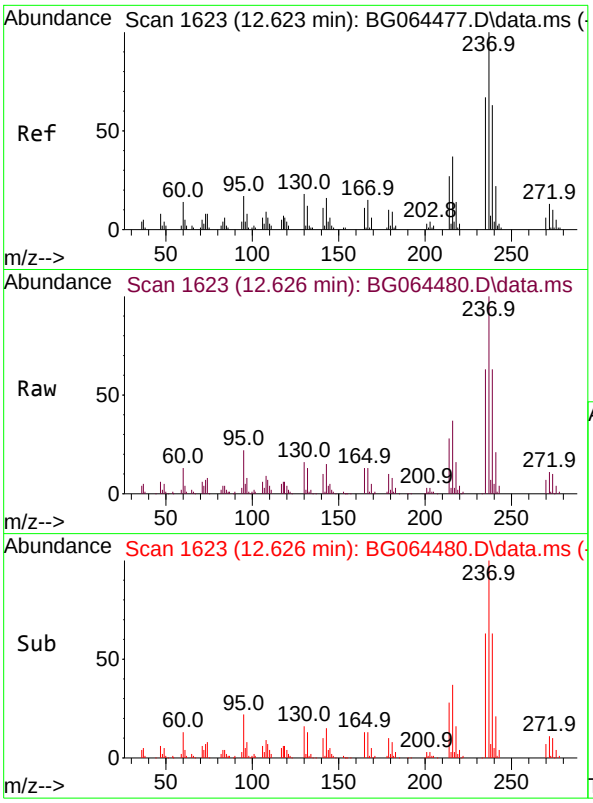


#40
1,2,4,5-Tetrachlorobenzene
Concen: 80.056 ng
RT: 12.643 min Scan# 1626
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:216 Resp: 186298

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.5	93.7
179	22.7	17.0	25.6
108	17.9	13.7	20.5

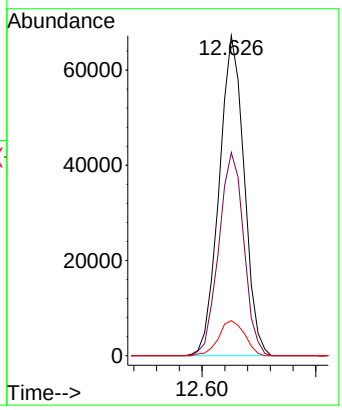




#41
Hexachlorocyclopentadiene
Concen: 84.207 ng
RT: 12.626 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:237 Resp: 10250

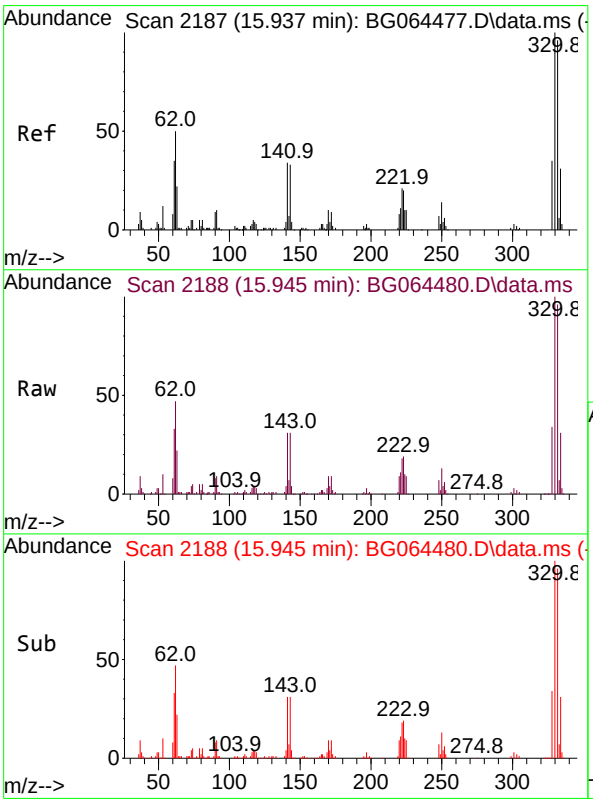
Ion	Ratio	Lower	Upper
237	100		
235	63.4	46.9	86.9
272	10.9	0.0	32.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

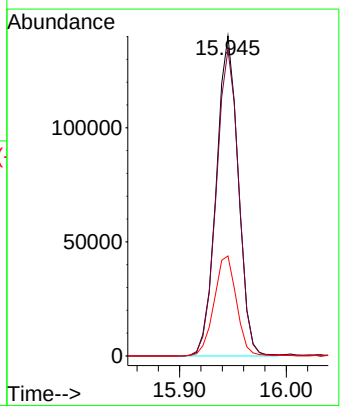
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

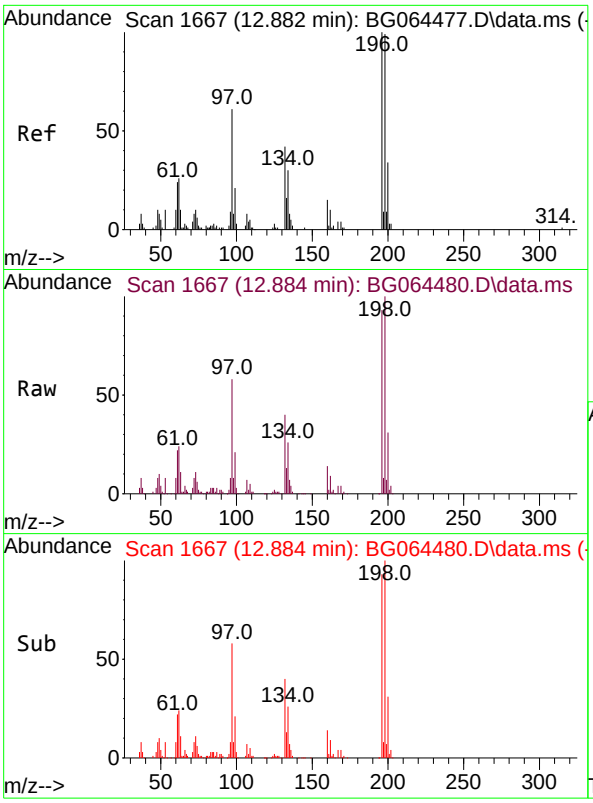


#42
2,4,6-Tribromophenol
Concen: 153.817 ng
RT: 15.945 min Scan# 2188
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:330 Resp: 200950

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.4	116.0
141	31.9	25.8	38.6

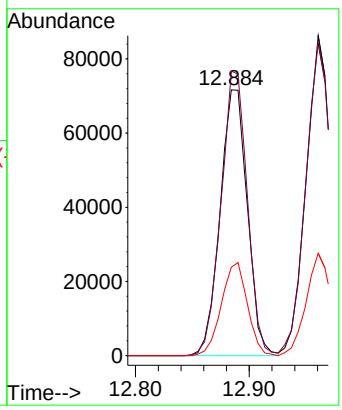




#43
2,4,6-Trichlorophenol
Concen: 80.265 ng
RT: 12.884 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:196 Resp: 11940

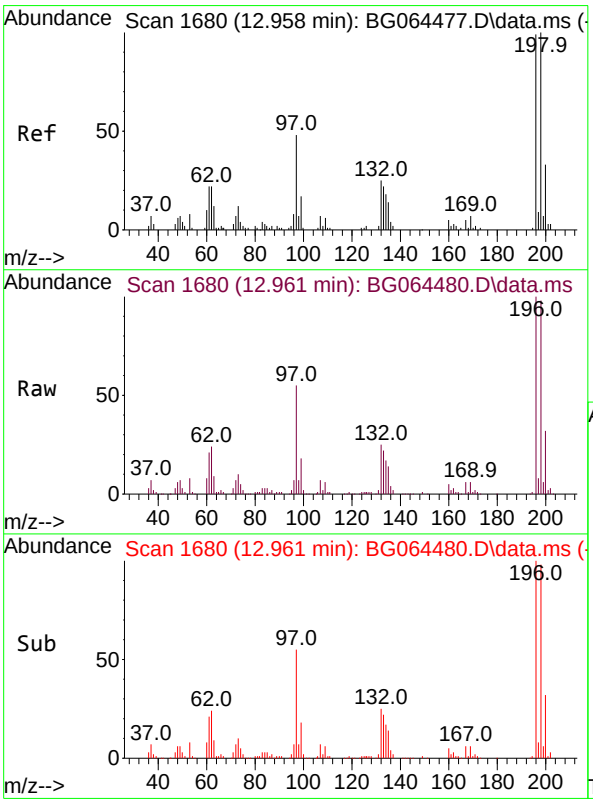
Ion	Ratio	Lower	Upper
196	100		
198	107.1	79.3	118.9
200	33.3	27.4	41.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

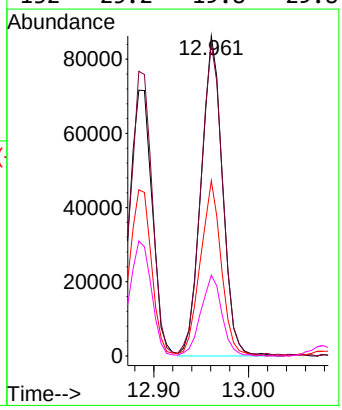
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

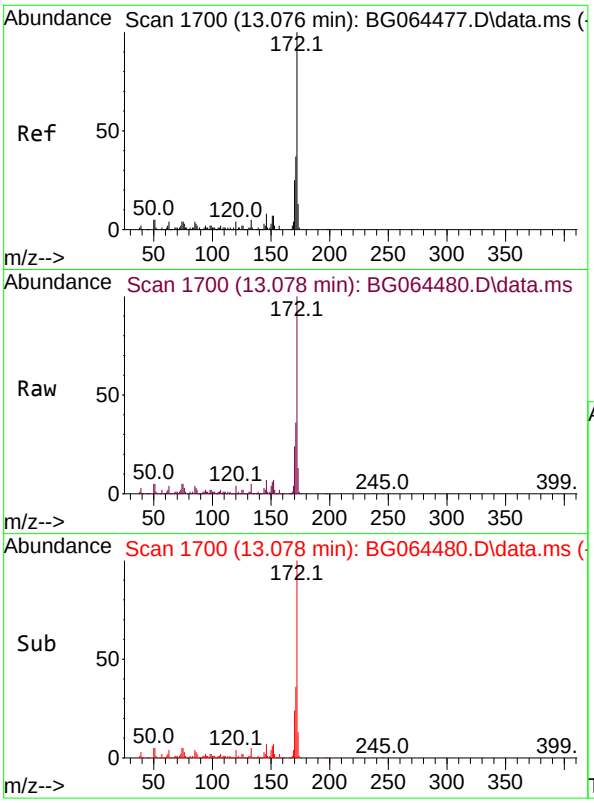


#44
2,4,5-Trichlorophenol
Concen: 81.602 ng
RT: 12.961 min Scan# 1680
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:196 Resp: 135525

Ion	Ratio	Lower	Upper
196	100		
198	97.6	80.3	120.5
97	54.8	39.4	59.0
132	25.2	19.8	29.8

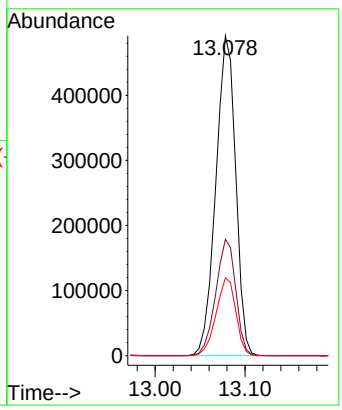




#45
2-Fluorobiphenyl
Concen: 154.518 ng
RT: 13.078 min Scan# 1
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:172 Resp: 75553

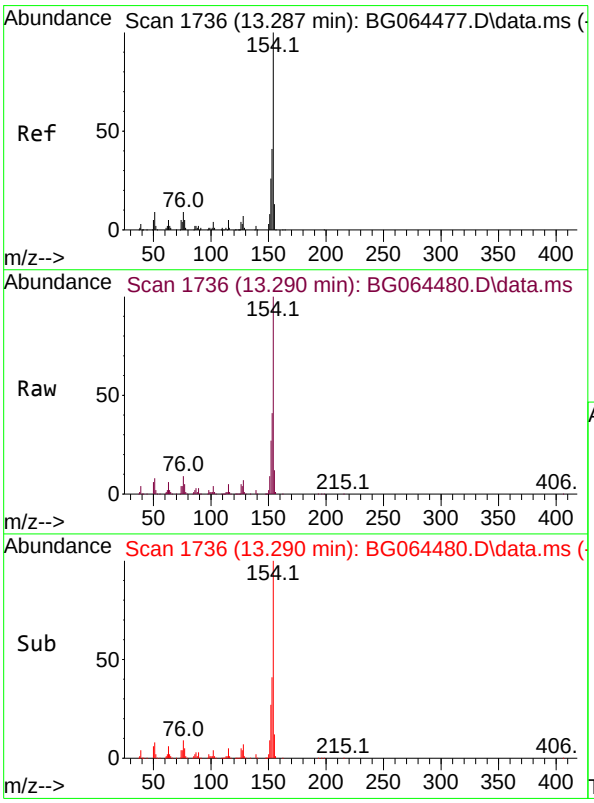
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.3	20.2	30.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

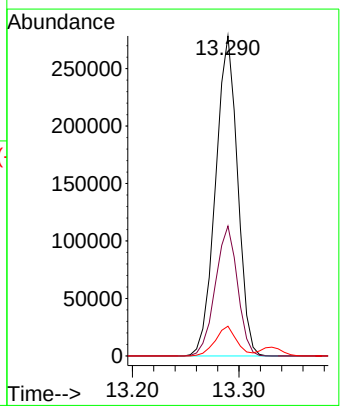
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

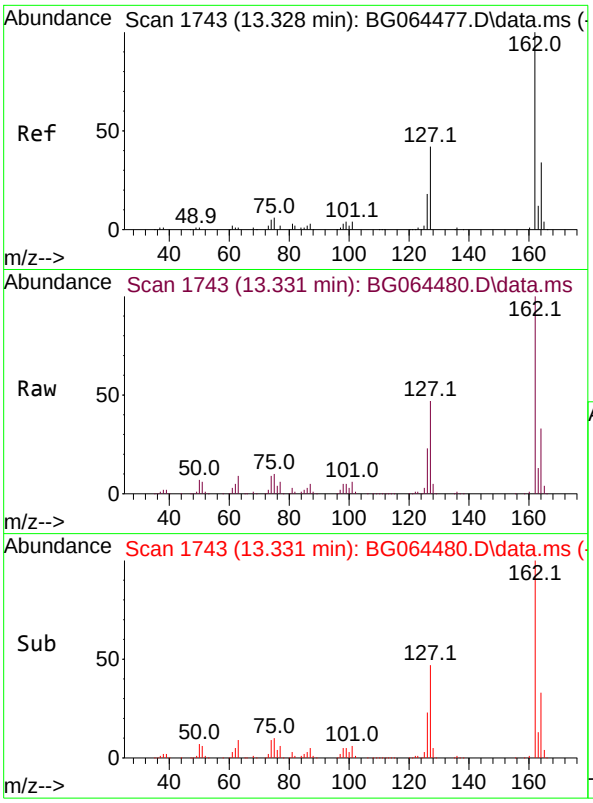


#46
1,1'-Biphenyl
Concen: 77.125 ng
RT: 13.290 min Scan# 1736
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:154 Resp: 399798

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.7	60.7
76	9.3	0.0	29.3

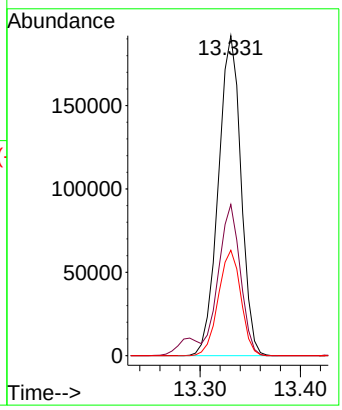




#47
2-Chloronaphthalene
Concen: 77.951 ng
RT: 13.331 min Scan# 1
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:162 Resp: 30169

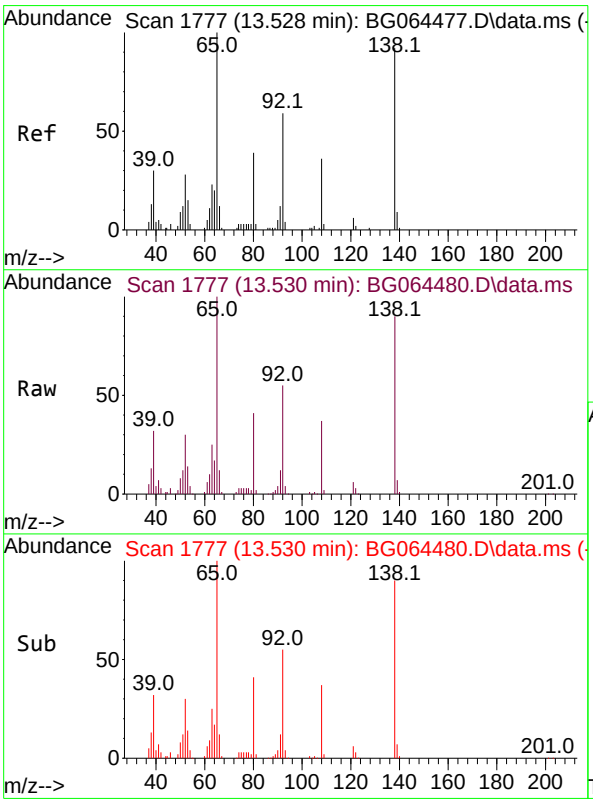
Ion	Ratio	Lower	Upper
162	100		
127	47.2	35.8	53.8
164	32.9	27.2	40.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

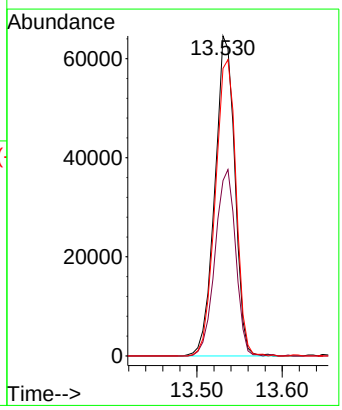
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

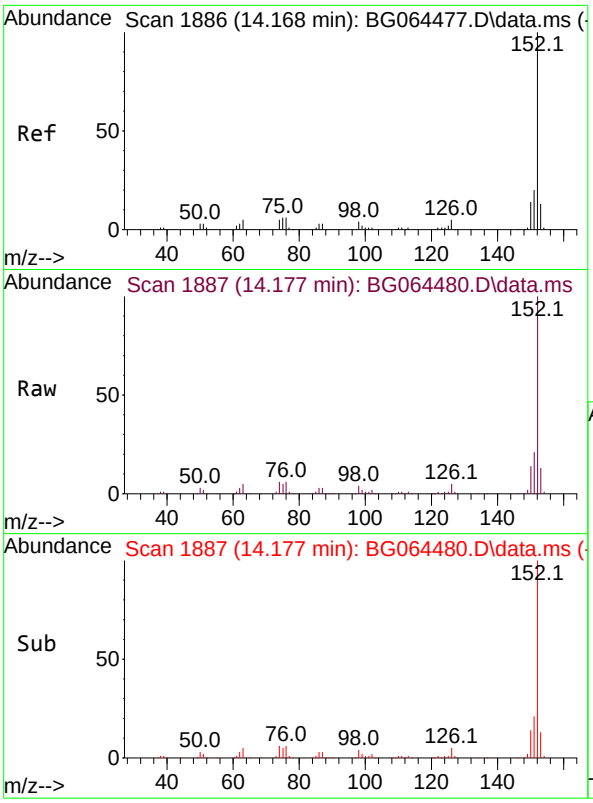


#48
2-Nitroaniline
Concen: 79.555 ng
RT: 13.530 min Scan# 1777
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 65 Resp: 105087

Ion	Ratio	Lower	Upper
65	100		
92	54.8	47.0	70.6
138	89.8	73.5	110.3

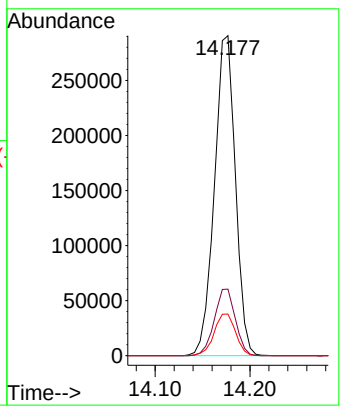




#49
Acenaphthylene
Concen: 77.600 ng
RT: 14.177 min Scan# 18
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:152 Resp: 445834

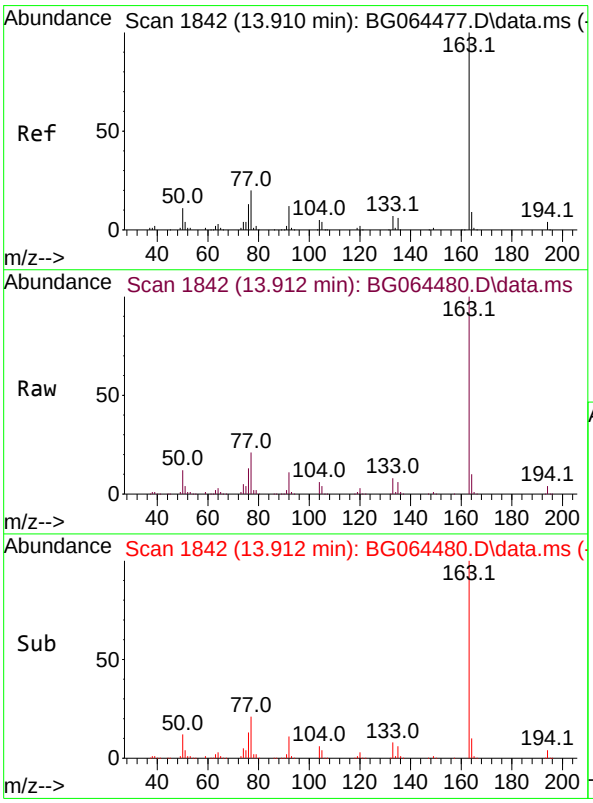
Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.8	23.6
153	13.0	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

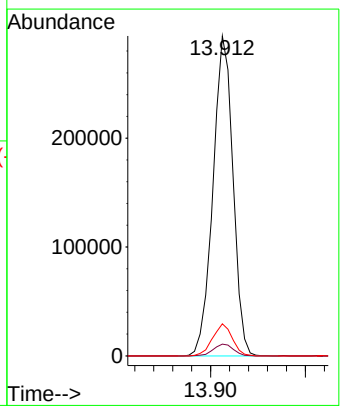
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

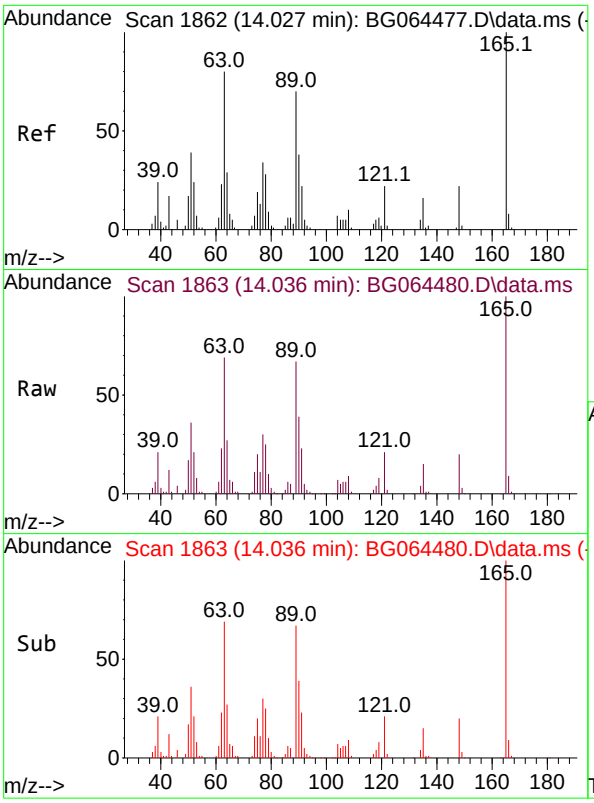


#50
Dimethylphthalate
Concen: 76.251 ng
RT: 13.912 min Scan# 1842
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:163 Resp: 430419

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.9	4.3
164	10.0	7.4	11.0





#51
2,6-Dinitrotoluene
Concen: 77.551 ng
RT: 14.036 min Scan# 18
Delta R.T. 0.017 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

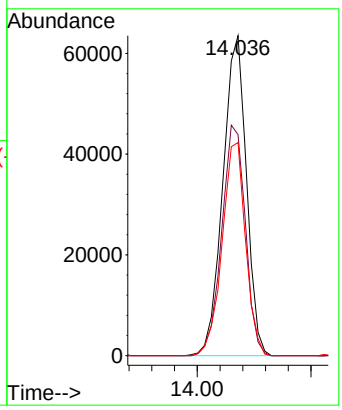
Tgt Ion:165 Resp: 91191

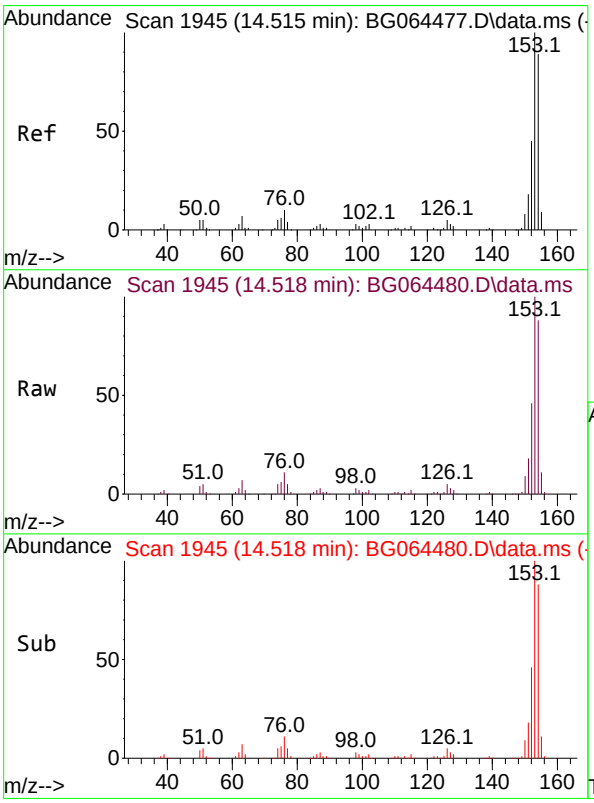
Ion	Ratio	Lower	Upper
165	100		
63	69.0	63.9	95.9
89	66.6	56.1	84.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

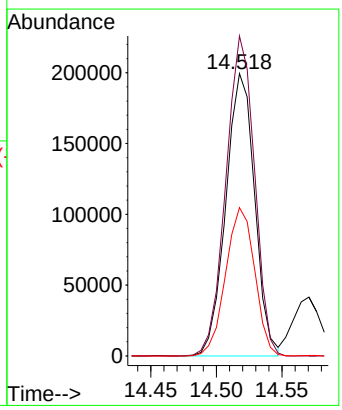


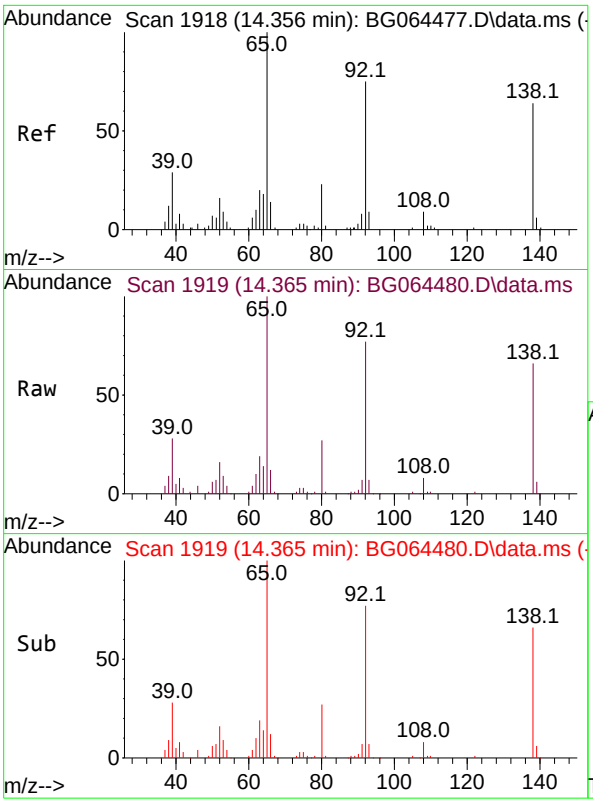


#52
Acenaphthene
Concen: 76.421 ng
RT: 14.518 min Scan# 1945
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:154 Resp: 305038

Ion	Ratio	Lower	Upper
154	100		
153	113.3	90.2	135.4
152	52.5	40.2	60.4

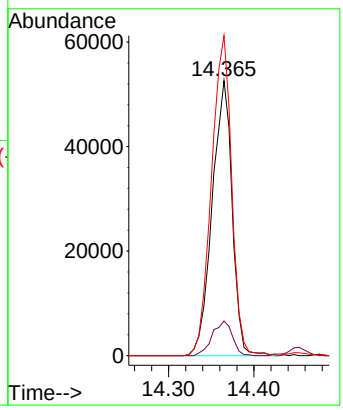




#53
3-Nitroaniline
Concen: 78.688 ng
RT: 14.365 min Scan# 19
Delta R.T. 0.017 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:138 Resp: 8533

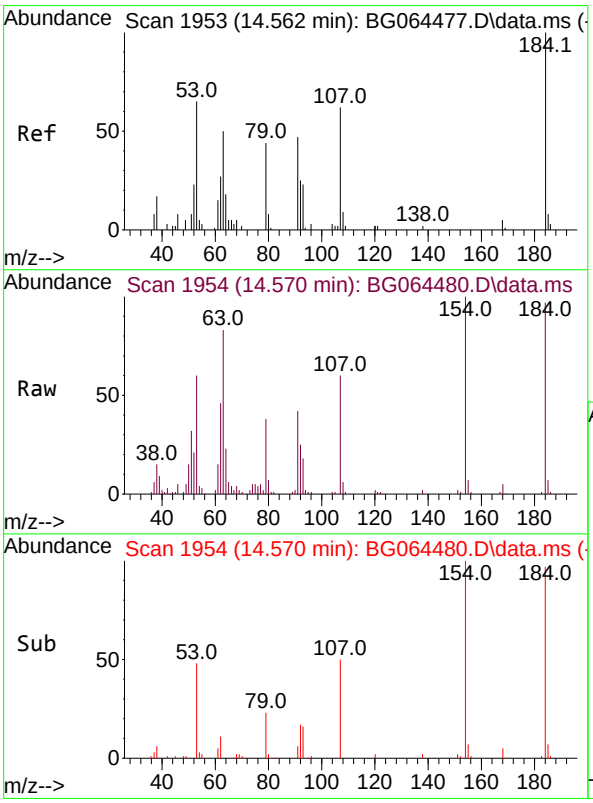
Ion	Ratio	Lower	Upper
138	100		
108	12.6	10.6	15.8
92	116.4	93.2	139.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

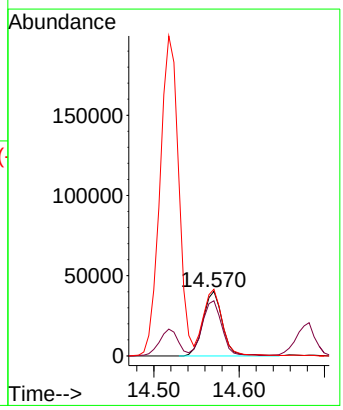
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

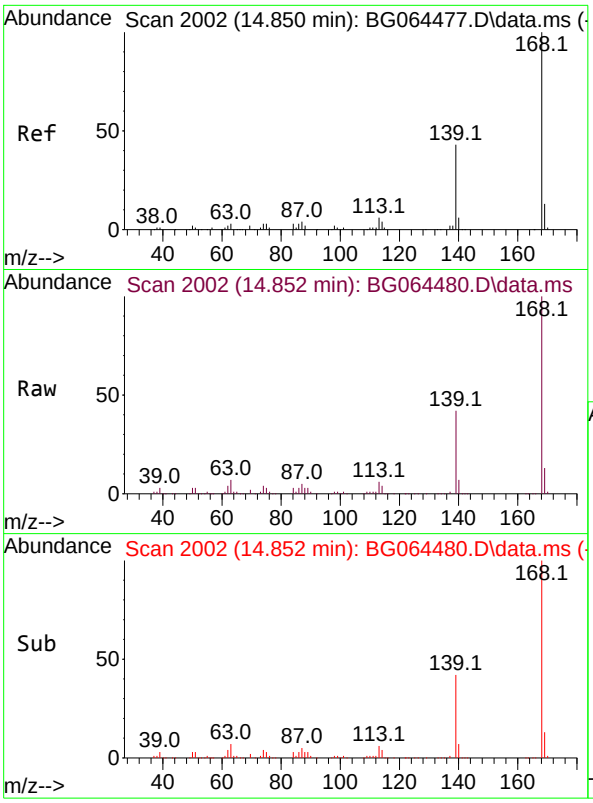


#54
2,4-Dinitrophenol
Concen: 74.326 ng
RT: 14.570 min Scan# 1954
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:184 Resp: 63374

Ion	Ratio	Lower	Upper
184	100		
63	85.4	69.0	103.4
154	103.1	95.6	143.4

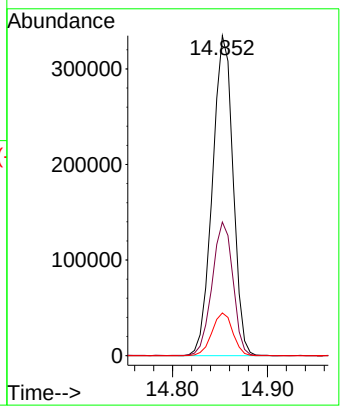




#55
Dibenzofuran
Concen: 76.684 ng
RT: 14.852 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:168 Resp: 50539

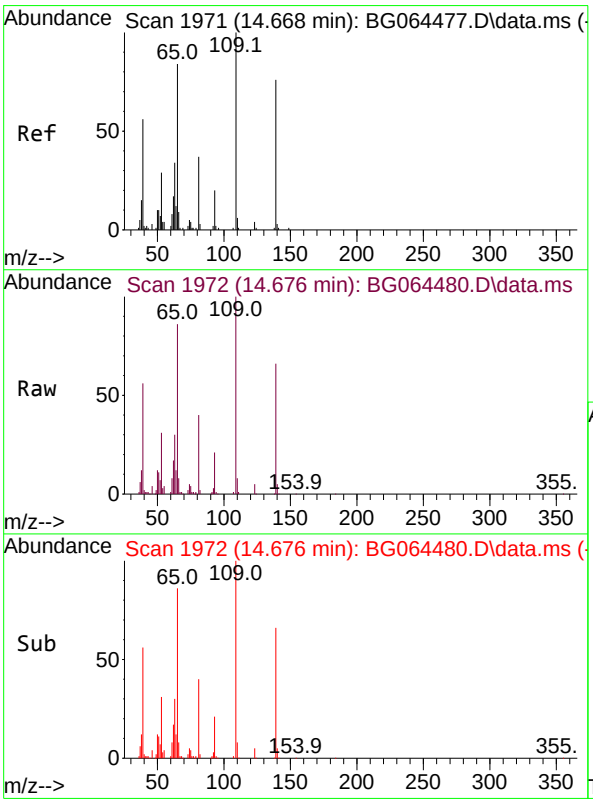
Ion	Ratio	Lower	Upper
168	100		
139	41.7	34.0	51.0
169	13.3	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

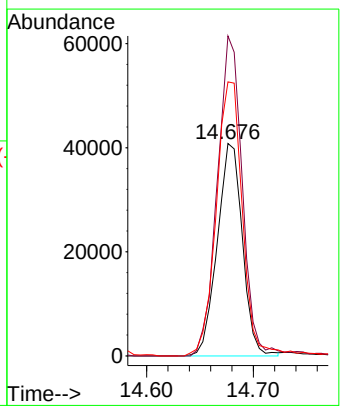
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

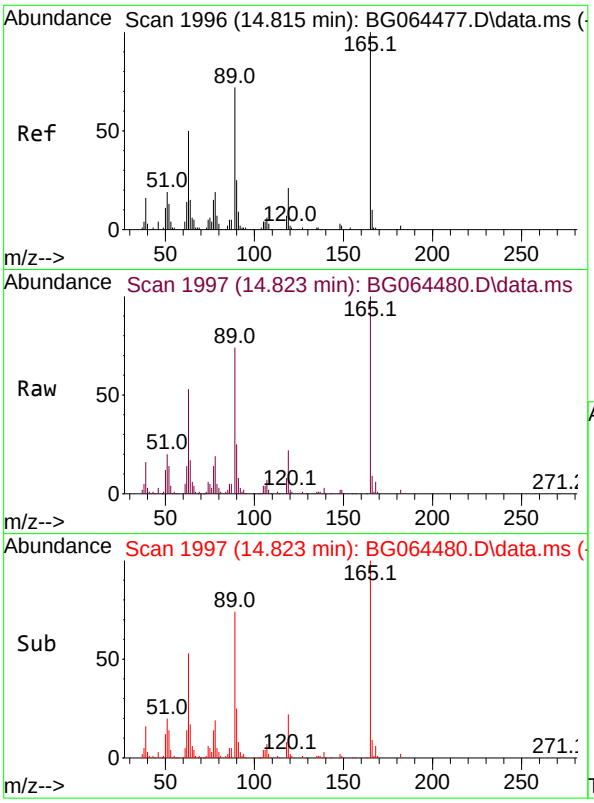


#56
4-Nitrophenol
Concen: 78.369 ng
RT: 14.676 min Scan# 1972
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:139 Resp: 66912

Ion	Ratio	Lower	Upper
139	100		
109	150.7	111.8	151.8
65	129.0	91.1	131.1

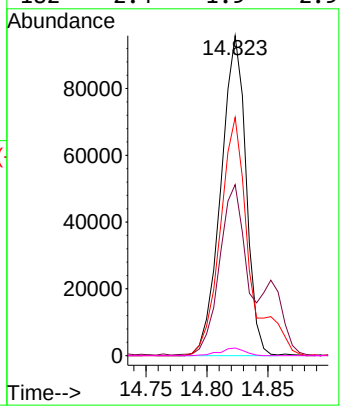




#57
2,4-Dinitrotoluene
Concen: 76.527 ng
RT: 14.823 min Scan# 19
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:165 Resp: 13756

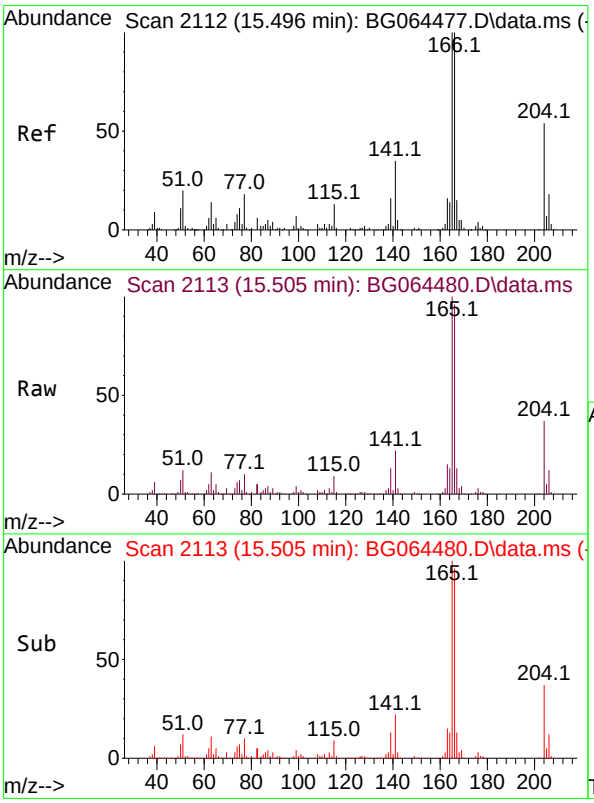
Ion	Ratio	Lower	Upper
165	100		
63	53.4	40.4	60.6
89	74.4	57.3	85.9
182	2.4	1.9	2.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

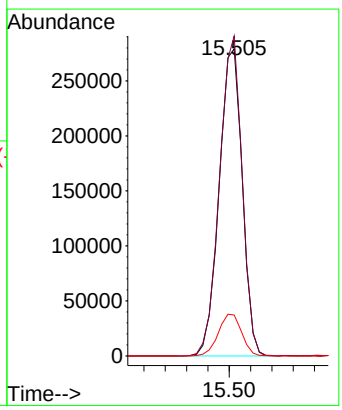
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

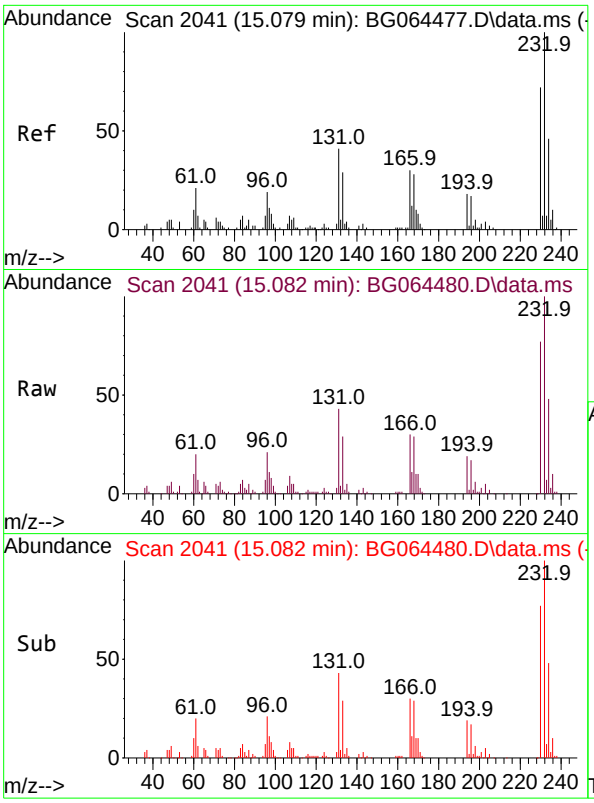


#58
Fluorene
Concen: 76.728 ng
RT: 15.505 min Scan# 2113
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:166 Resp: 420400

Ion	Ratio	Lower	Upper
166	100		
165	104.2	79.8	119.6
167	13.3	11.7	17.5

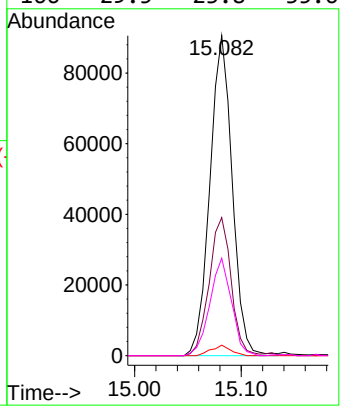




#59
2,3,4,6-Tetrachlorophenol
Concen: 77.799 ng
RT: 15.082 min Scan# 20
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:232 Resp: 13186

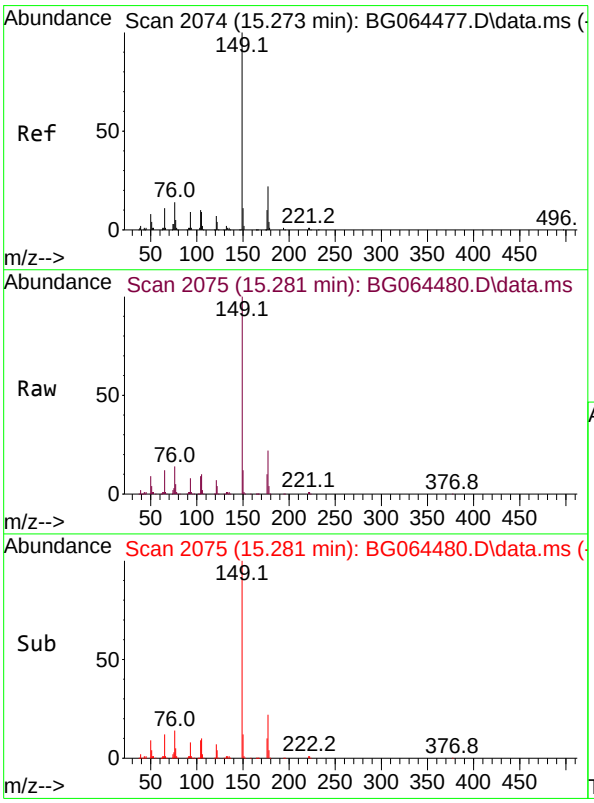
Ion	Ratio	Lower	Upper
232	100		
131	43.0	35.0	52.4
130	2.8	2.0	3.0
166	29.5	23.8	35.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

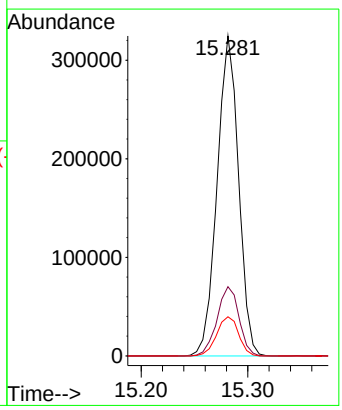
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

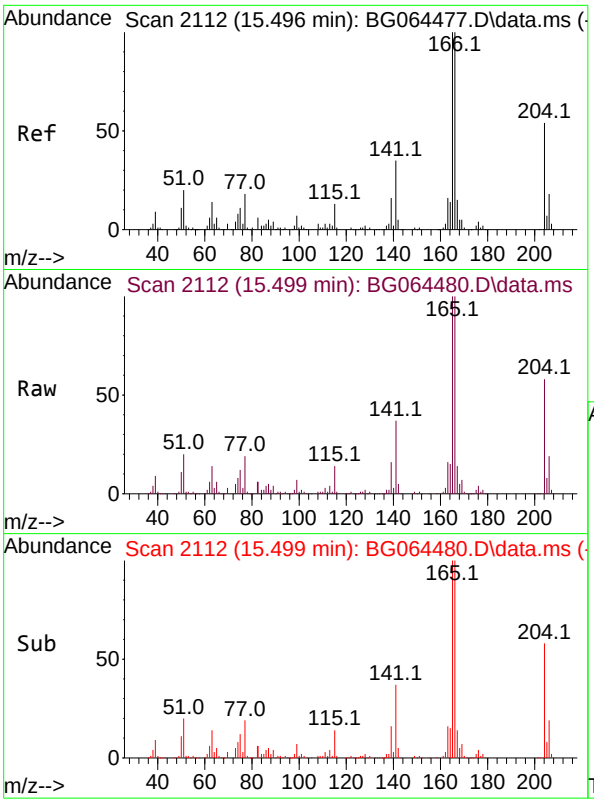


#60
Diethylphthalate
Concen: 75.126 ng
RT: 15.281 min Scan# 2075
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:149 Resp: 454922

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.4	26.0
150	12.2	9.1	13.7

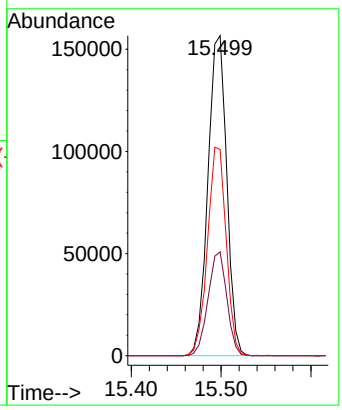




#61
4-Chlorophenyl-phenylether
Concen: 76.517 ng
RT: 15.499 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:204 Resp: 22888

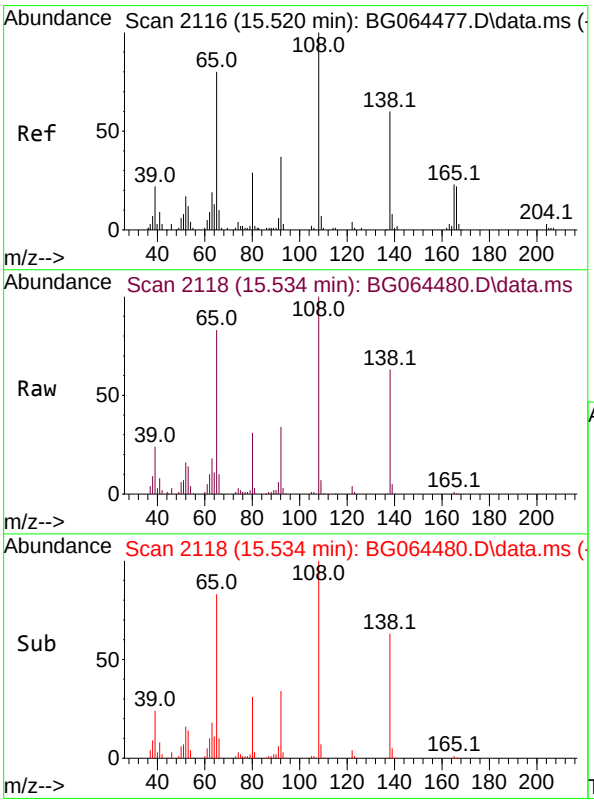
Ion	Ratio	Lower	Upper
204	100		
206	32.5	27.1	40.7
141	64.4	51.5	77.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

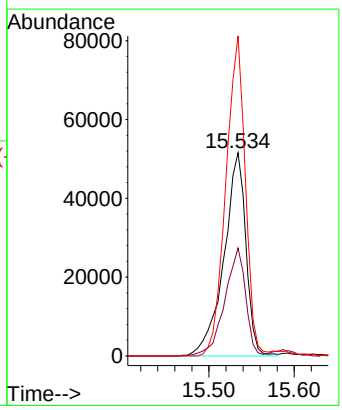
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

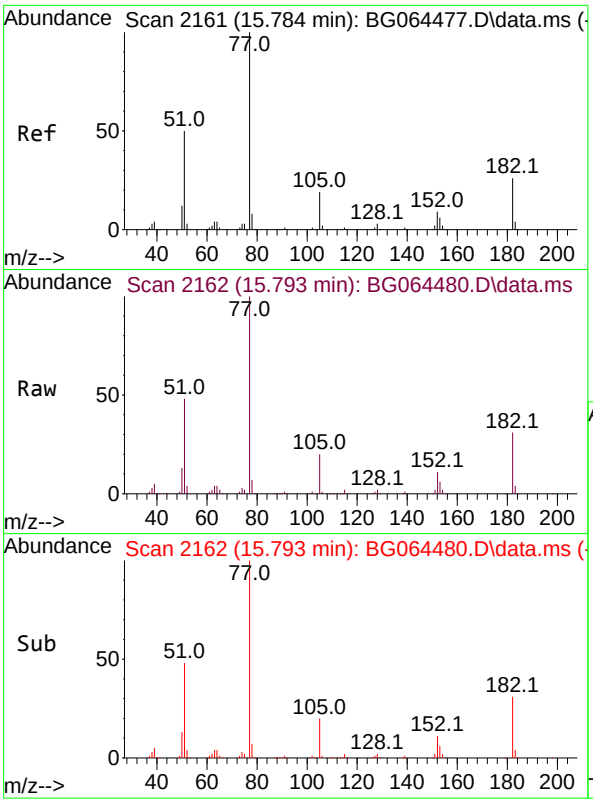


#62
4-Nitroaniline
Concen: 81.579 ng
RT: 15.534 min Scan# 2118
Delta R.T. 0.023 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:138 Resp: 92207

Ion	Ratio	Lower	Upper
138	100		
92	53.1	42.3	82.3
108	157.6	147.7	187.7

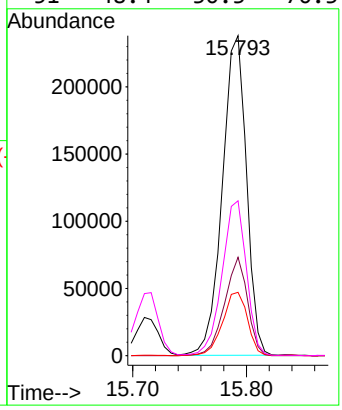




#63
Azobenzene
Concen: 74.723 ng
RT: 15.793 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 77 Resp: 35043

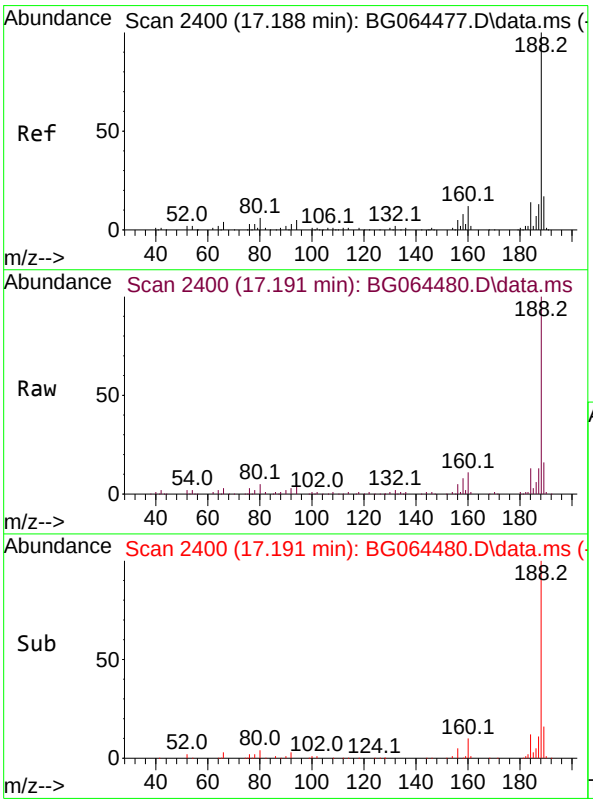
Ion	Ratio	Lower	Upper
77	100		
182	30.7	6.3	46.3
105	19.8	0.0	38.7
51	48.4	30.3	70.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

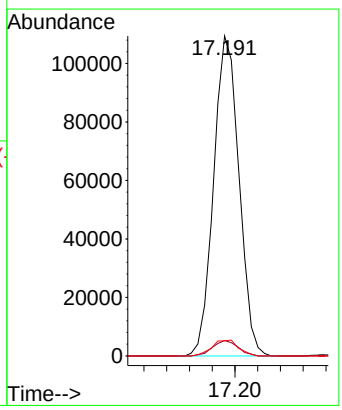
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

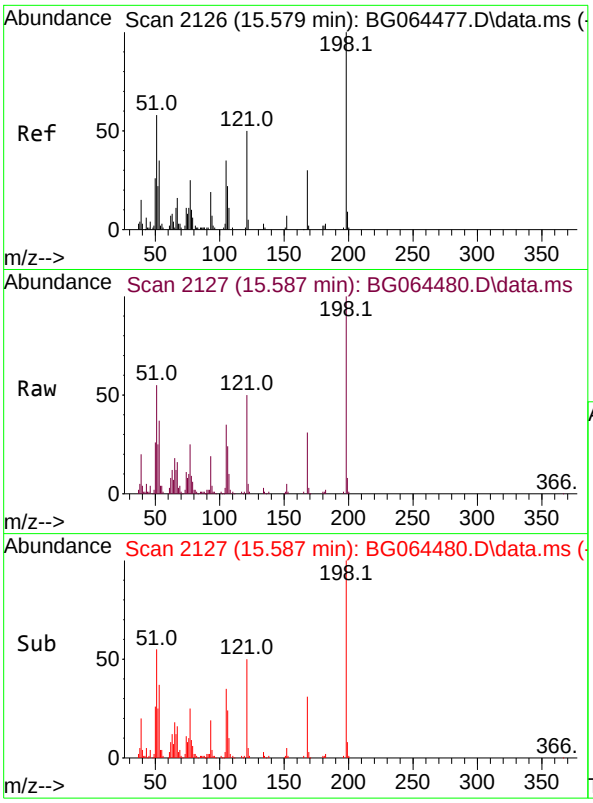


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.191 min Scan# 2400
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:188 Resp: 168856

Ion	Ratio	Lower	Upper
188	100		
94	4.8	3.7	5.5
80	4.7	4.5	6.7

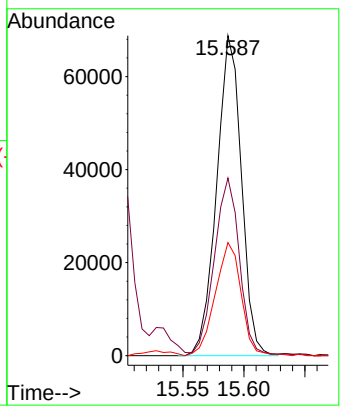




#65
4,6-Dinitro-2-methylphenol
Concen: 82.760 ng
RT: 15.587 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:198 Resp: 9730

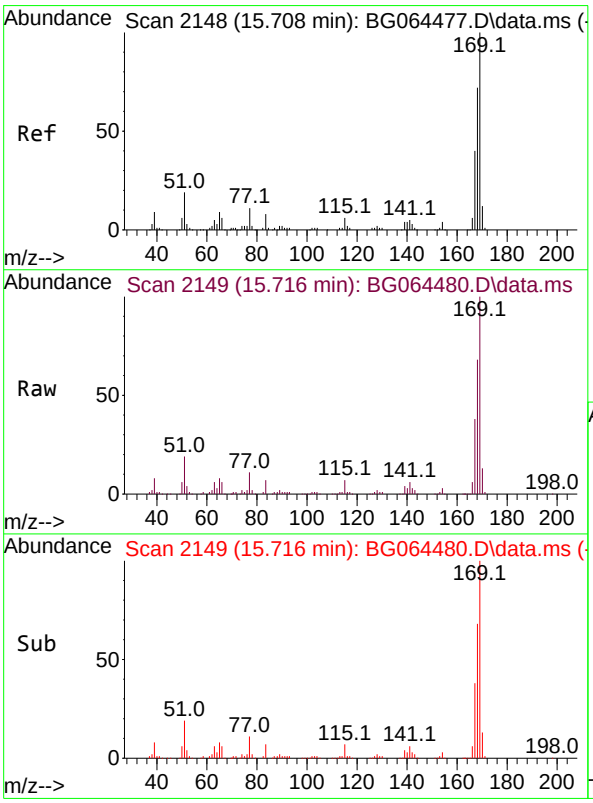
Ion	Ratio	Lower	Upper
198	100		
51	55.5	39.0	79.0
105	35.3	15.8	55.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

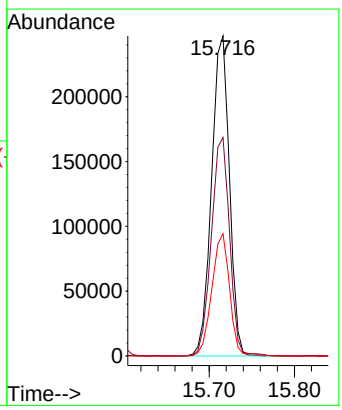
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

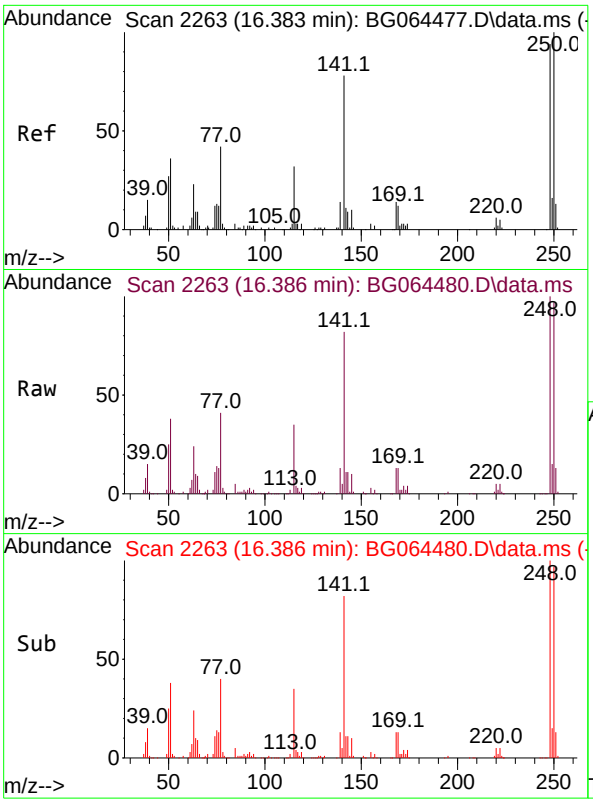


#66
n-Nitrosodiphenylamine
Concen: 79.230 ng
RT: 15.716 min Scan# 2149
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:169 Resp: 357258

Ion	Ratio	Lower	Upper
169	100		
168	68.2	57.8	86.6
167	38.2	31.7	47.5

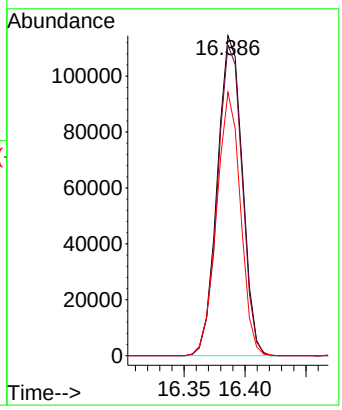




#67
4-Bromophenyl-phenylether
Concen: 81.997 ng
RT: 16.386 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:248 Resp: 16293

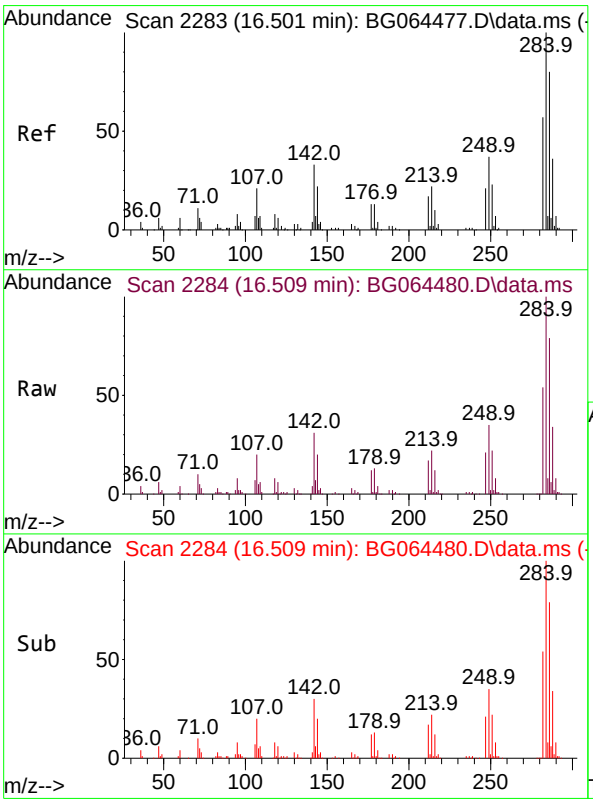
Ion	Ratio	Lower	Upper
248	100		
250	97.1	85.3	127.9
141	82.3	66.2	99.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

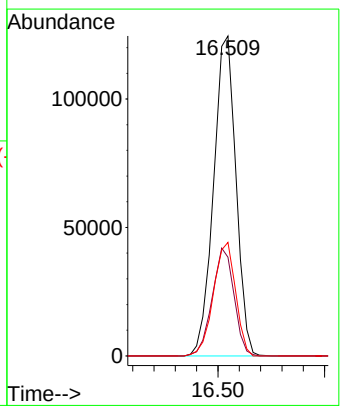
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

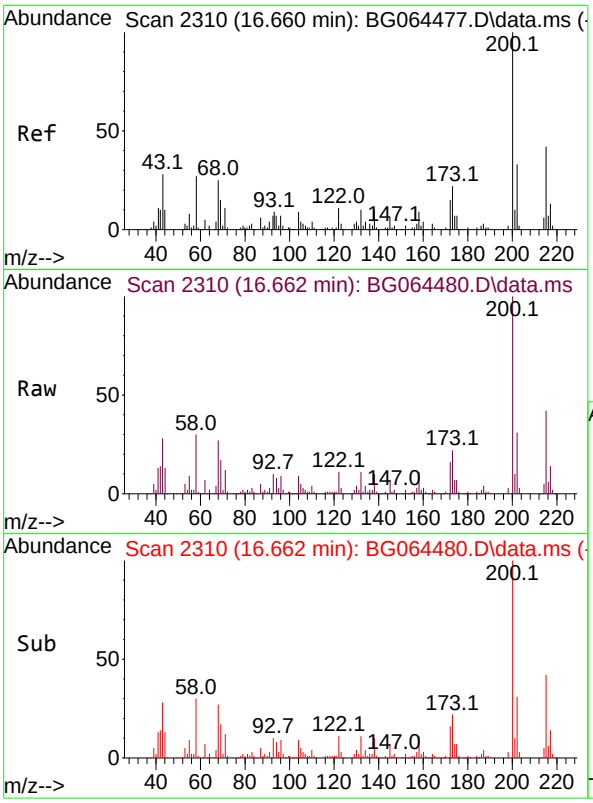


#68
Hexachlorobenzene
Concen: 80.068 ng
RT: 16.509 min Scan# 2284
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:284 Resp: 182054

Ion	Ratio	Lower	Upper
284	100		
142	30.8	26.2	39.2
249	35.5	29.4	44.0

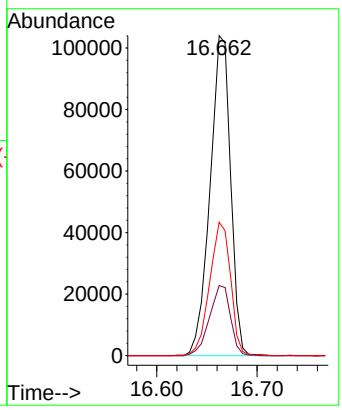




#69
Atrazine
Concen: 73.799 ng
RT: 16.662 min Scan# 2
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:200 Resp: 14805

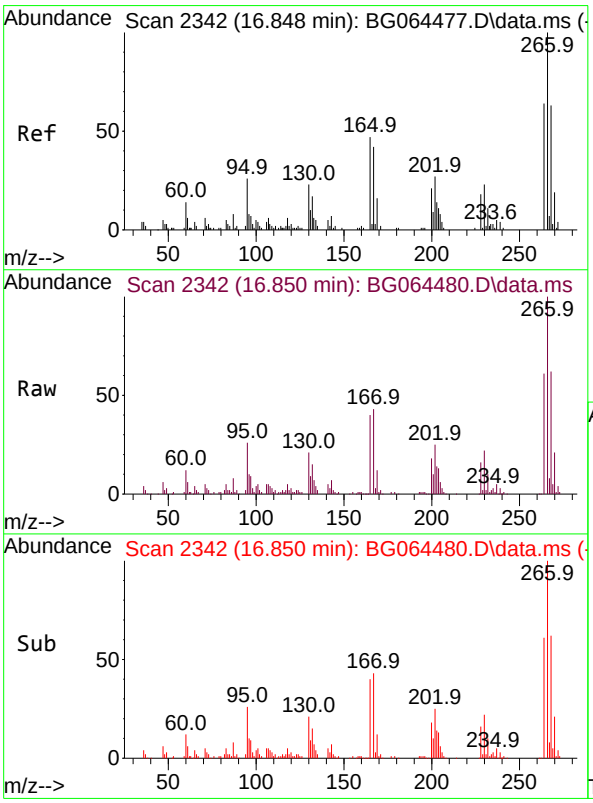
Ion	Ratio	Lower	Upper
200	100		
173	21.9	2.5	42.5
215	41.7	21.5	61.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

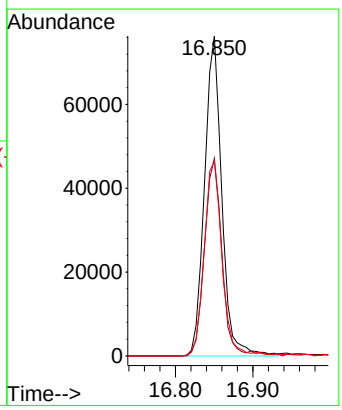
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

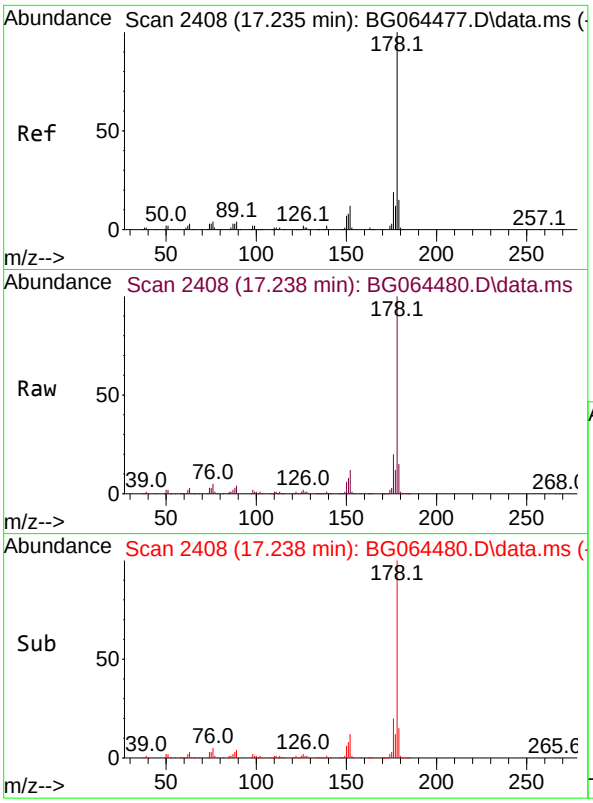


#70
Pentachlorophenol
Concen: 88.752 ng
RT: 16.850 min Scan# 2342
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:266 Resp: 117991

Ion	Ratio	Lower	Upper
266	100		
268	61.7	50.6	75.8
264	60.9	51.2	76.8

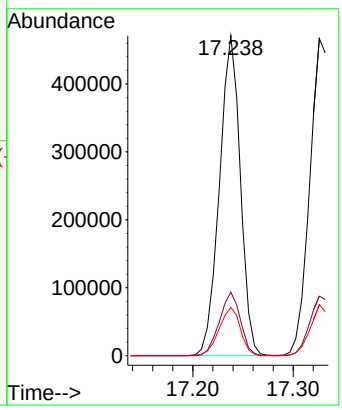




#71
Phenanthrene
Concen: 77.283 ng
RT: 17.238 min Scan# 24
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:178 Resp: 68244

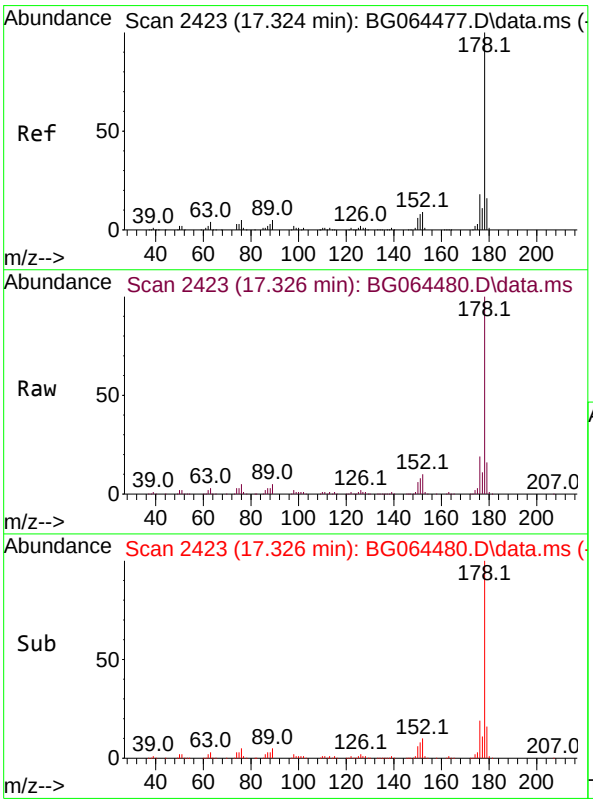
Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.2	22.8
179	15.1	11.8	17.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

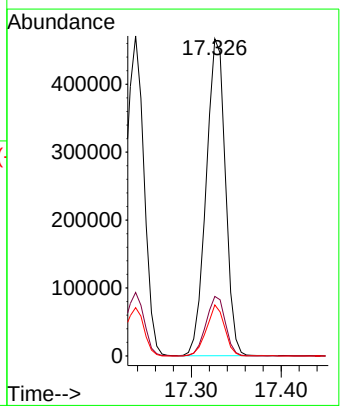
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

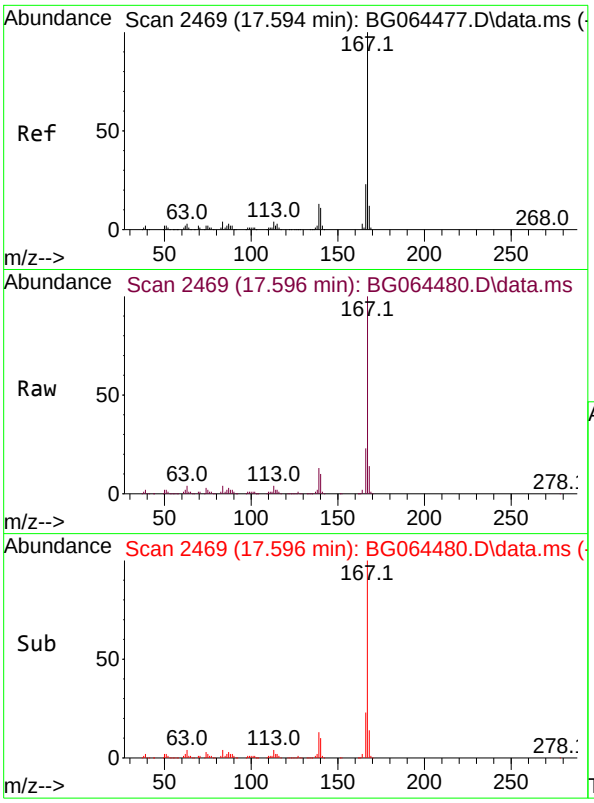


#72
Anthracene
Concen: 78.433 ng
RT: 17.326 min Scan# 2423
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:178 Resp: 694820

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	16.1	12.5	18.7

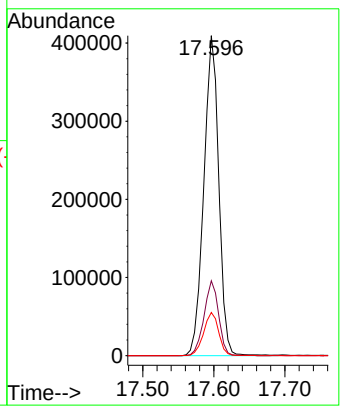




#73
Carbazole
Concen: 77.661 ng
RT: 17.596 min Scan# 24
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:167 Resp: 59466

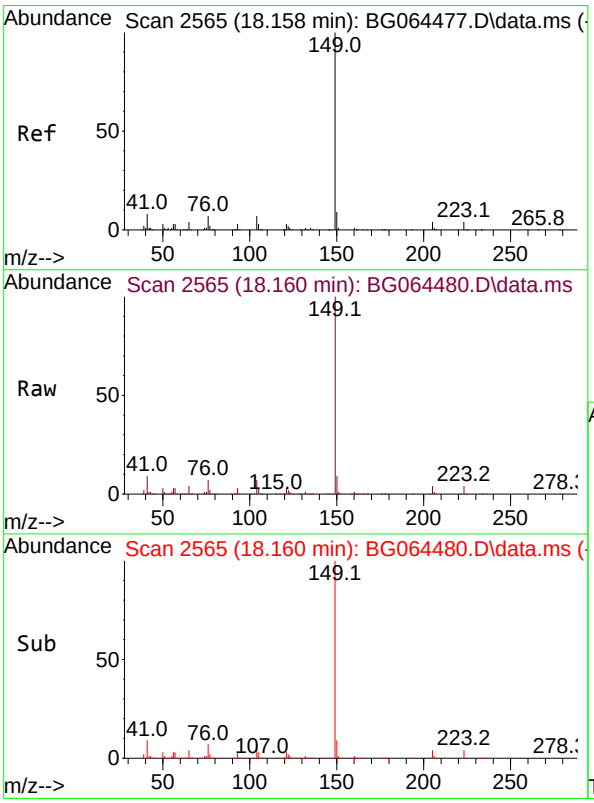
Ion	Ratio	Lower	Upper
167	100		
166	23.4	18.6	27.8
139	13.5	10.2	15.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

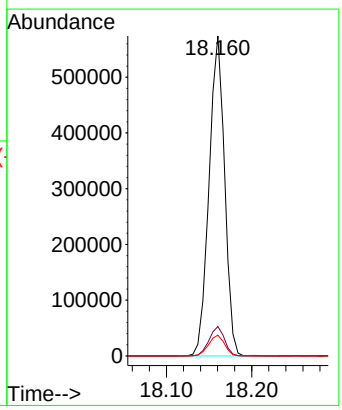
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

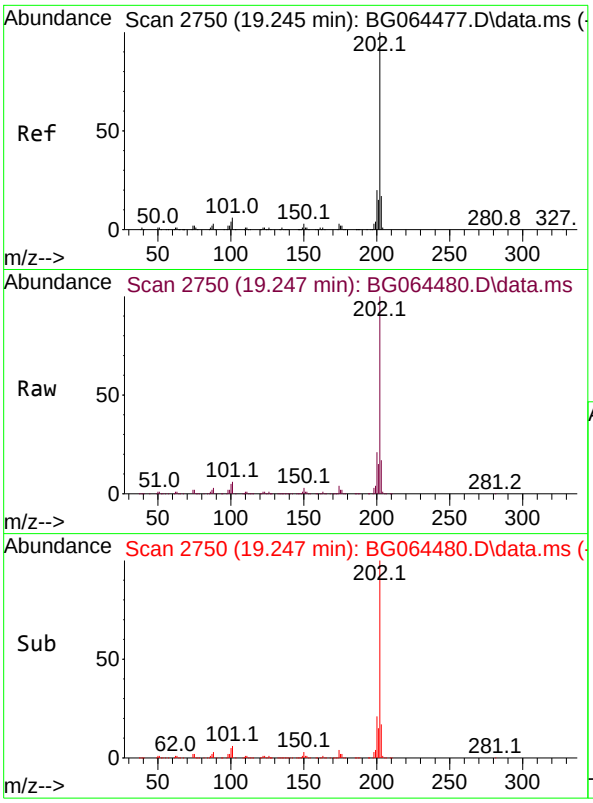


#74
Di-n-butylphthalate
Concen: 77.727 ng
RT: 18.160 min Scan# 2565
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:149 Resp: 726555

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	6.5	5.3	7.9

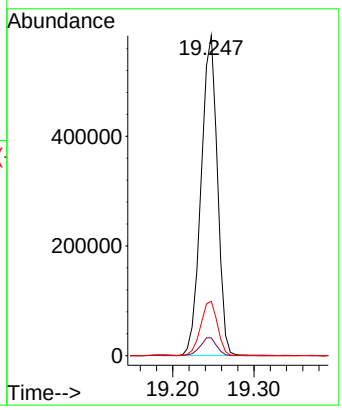




#75
Fluoranthene
Concen: 77.060 ng
RT: 19.247 min Scan# 2
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:202 Resp: 81292

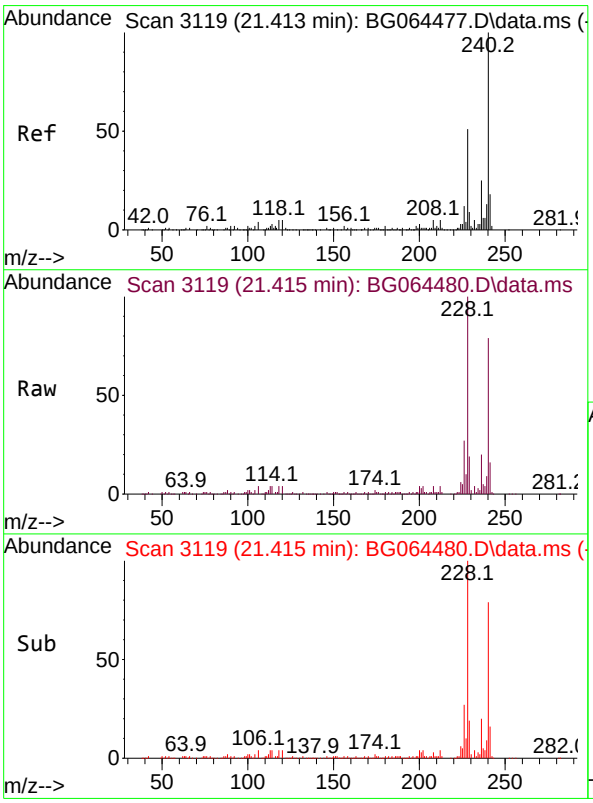
Ion	Ratio	Lower	Upper
202	100		
101	5.5	0.0	25.7
203	17.0	0.0	36.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

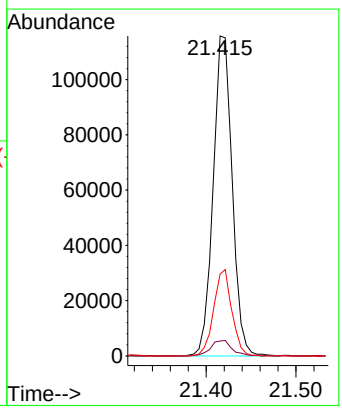
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

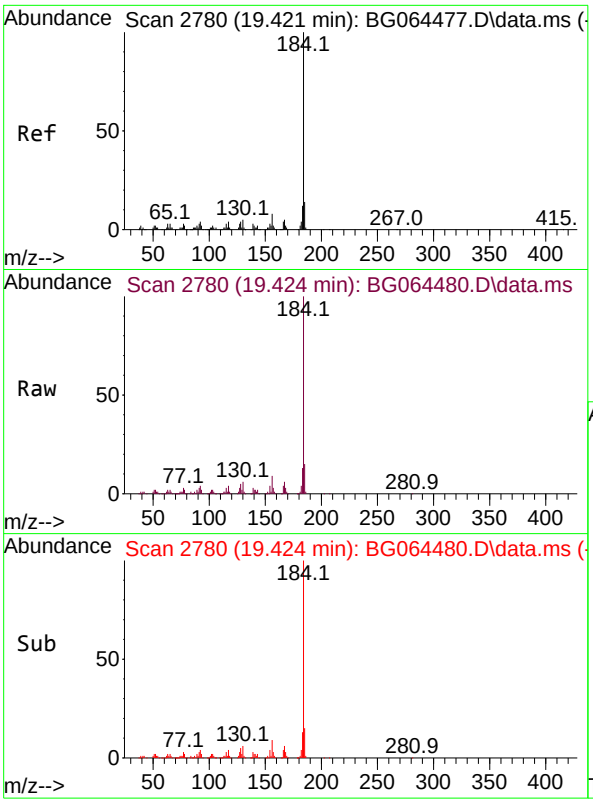


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.415 min Scan# 3119
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:240 Resp: 171497

Ion	Ratio	Lower	Upper
240	100		
120	4.6	4.3	6.5
236	25.6	20.4	30.6

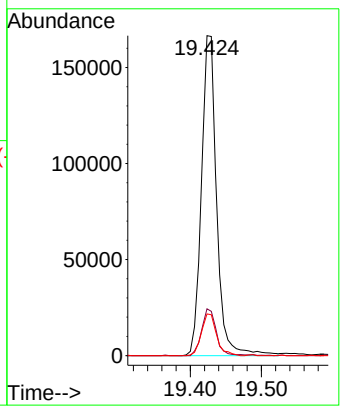




#77
Benzidine
Concen: 57.755 ng
RT: 19.424 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:184 Resp: 24646

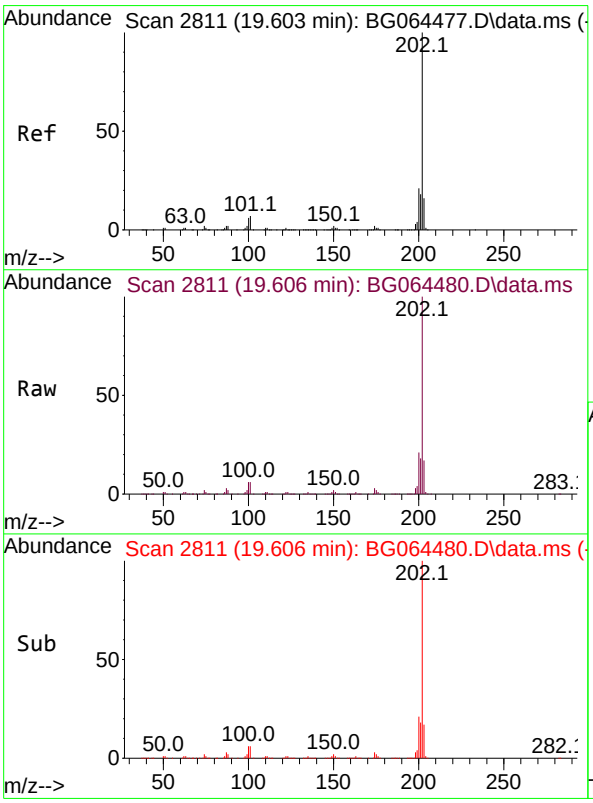
Ion	Ratio	Lower	Upper
184	100		
185	14.6	10.9	16.3
183	13.0	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

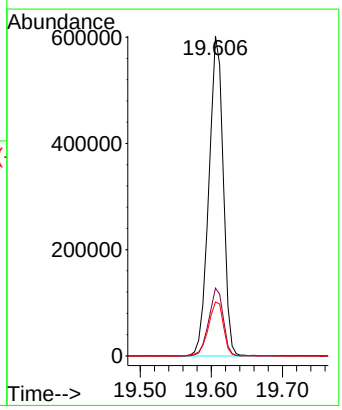
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

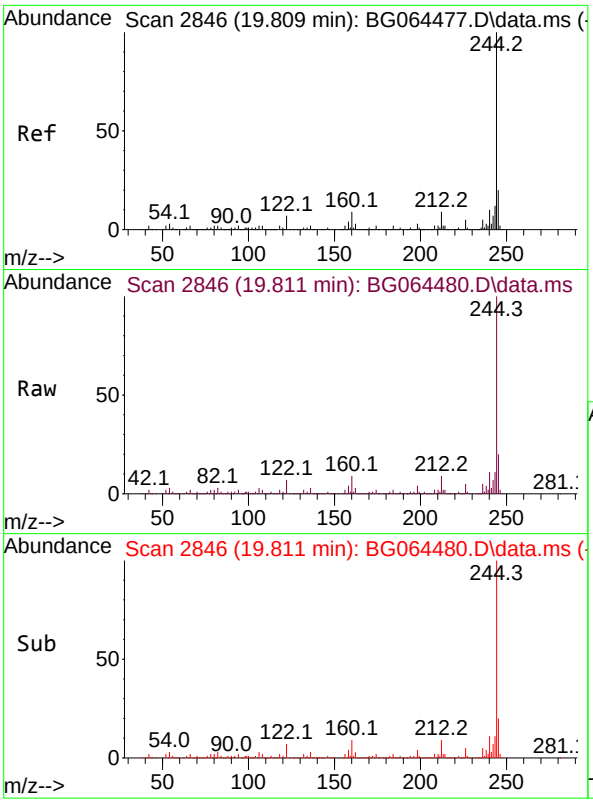


#78
Pyrene
Concen: 75.840 ng
RT: 19.606 min Scan# 2811
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:202 Resp: 844065

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	16.8	13.0	19.4

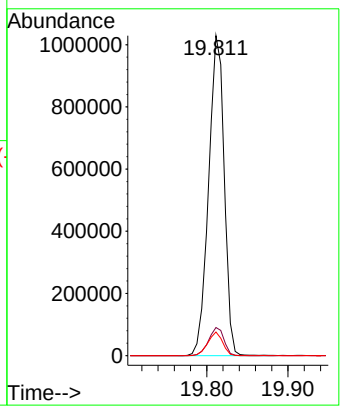




#79
Terphenyl-d14
Concen: 151.833 ng
RT: 19.811 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:244 Resp: 1375899

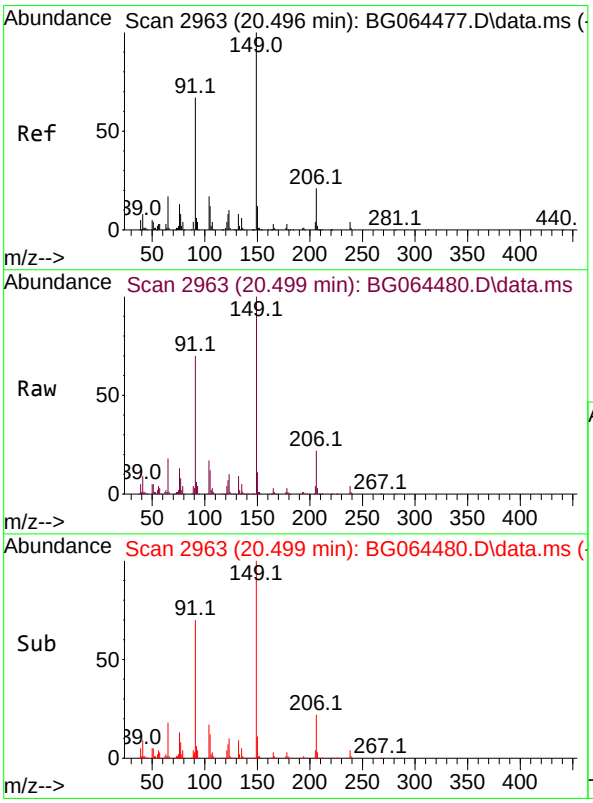
Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.0	10.6
122	7.4	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

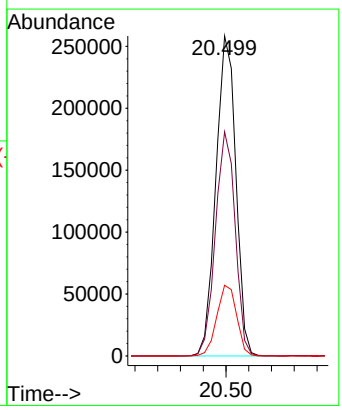
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

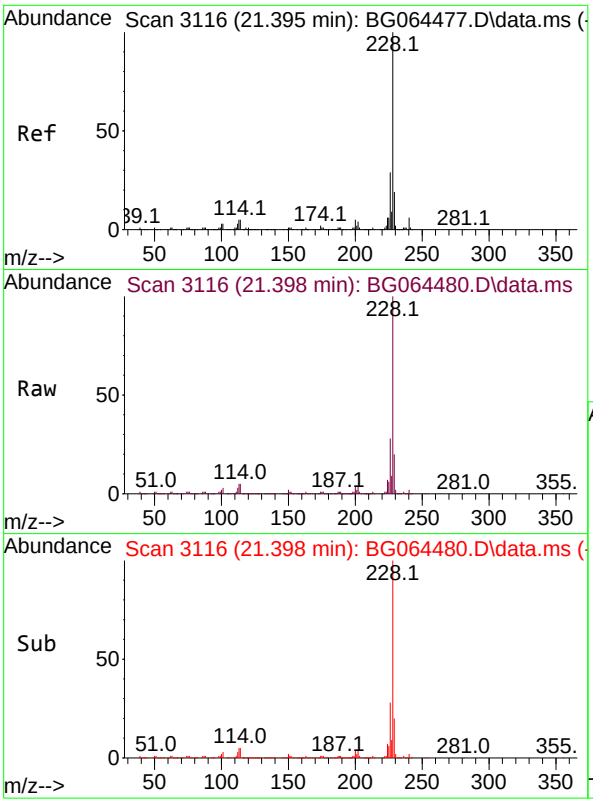


#80
Butylbenzylphthalate
Concen: 79.710 ng
RT: 20.499 min Scan# 2963
Delta R.T. -0.001 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:149 Resp: 314484

Ion	Ratio	Lower	Upper
149	100		
91	70.0	53.7	80.5
206	22.1	16.6	24.8

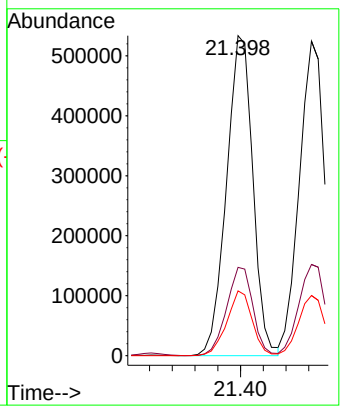




#81
Benzo(a)anthracene
Concen: 78.497 ng
RT: 21.398 min Scan# 3
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:228 Resp: 85955

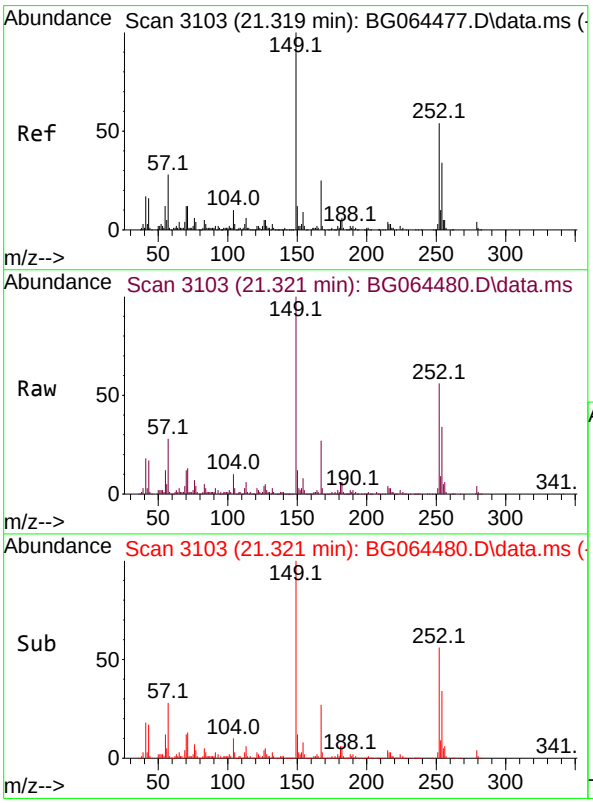
Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.8	34.2
229	20.2	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

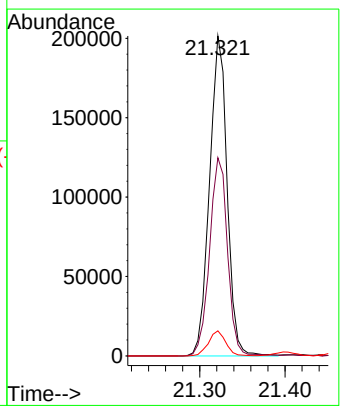
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

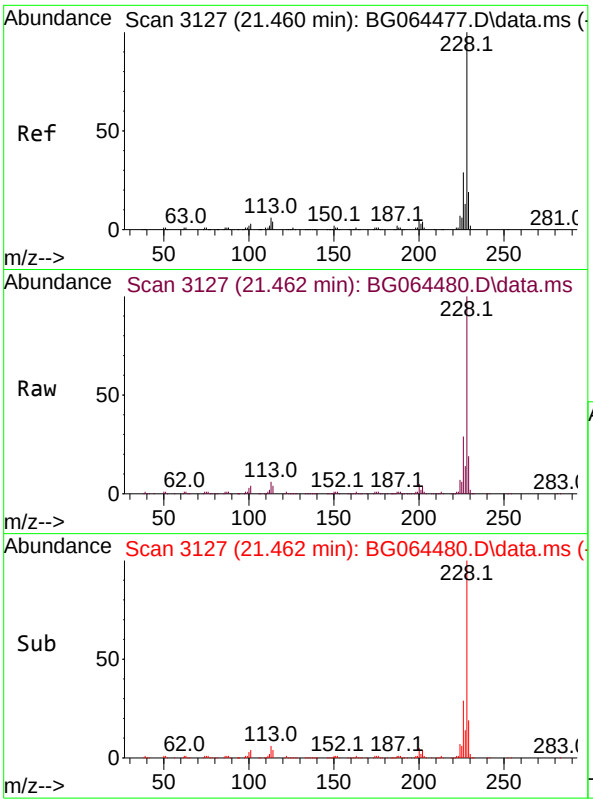


#82
3,3'-Dichlorobenzidine
Concen: 77.829 ng
RT: 21.321 min Scan# 3103
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:252 Resp: 288449

Ion	Ratio	Lower	Upper
252	100		
254	61.9	50.5	75.7
126	7.8	7.1	10.7

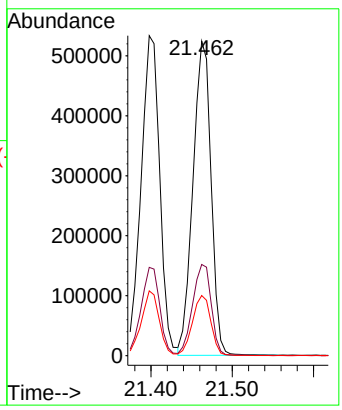




#83
Chrysene
Concen: 77.803 ng
RT: 21.462 min Scan# 3
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:228 Resp: 80796

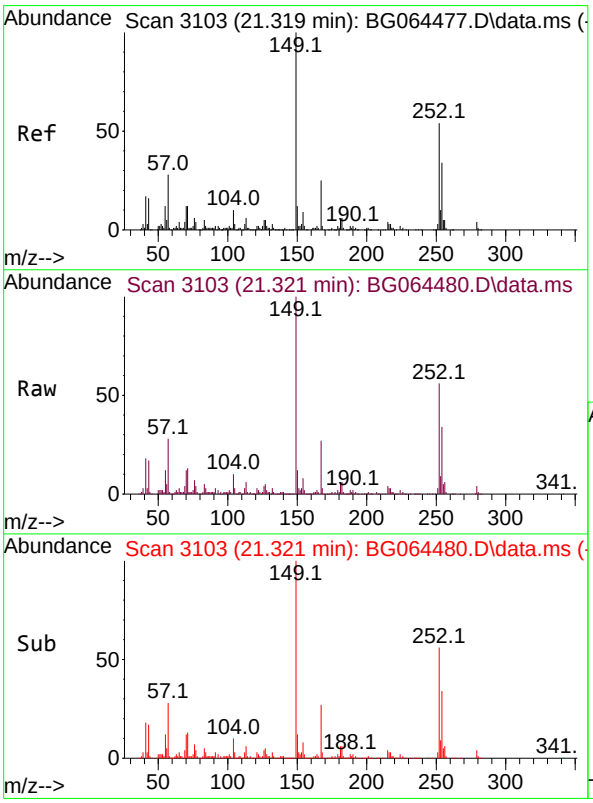
Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.8	34.2
229	19.1	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

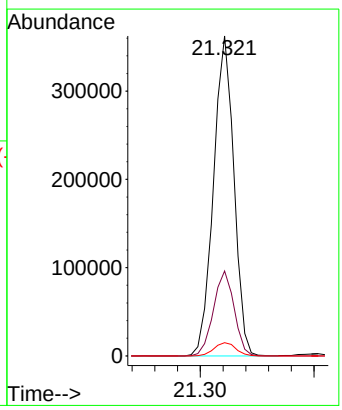
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

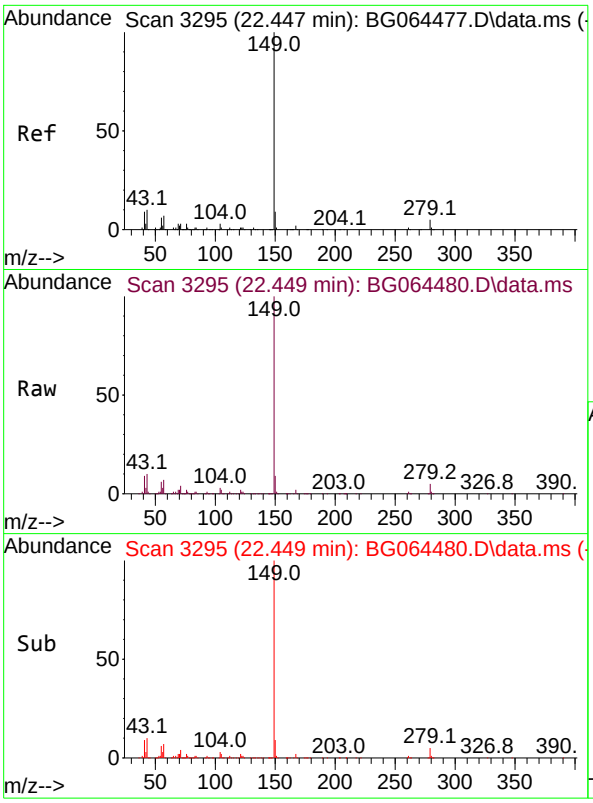


#84
Bis(2-ethylhexyl)phthalate
Concen: 81.044 ng
RT: 21.321 min Scan# 3103
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:149 Resp: 451147

Ion	Ratio	Lower	Upper
149	100		
167	26.5	19.7	29.5
279	4.1	3.4	5.2

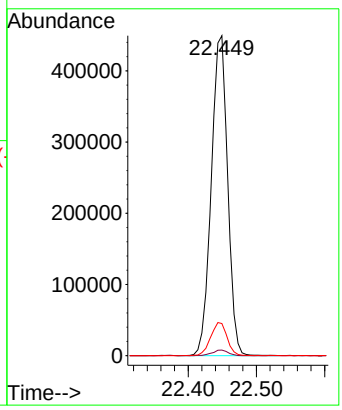




#85
Di-n-octyl phthalate
Concen: 79.877 ng
RT: 22.449 min Scan# 3
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:149 Resp: 74730

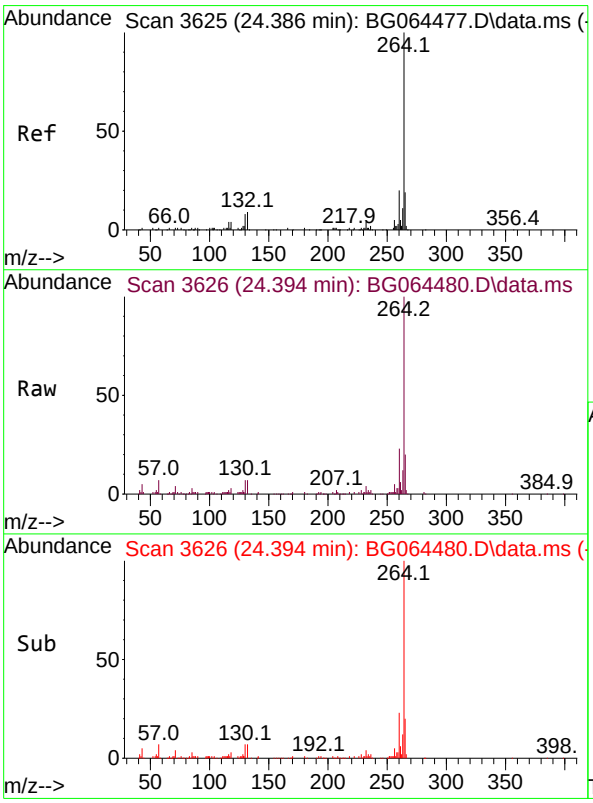
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	10.4	7.9	11.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

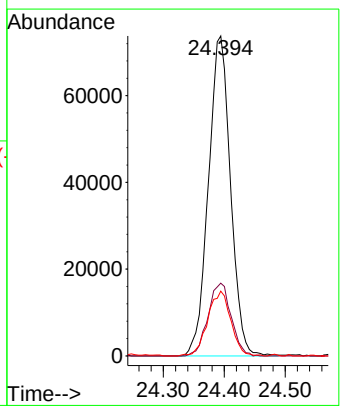
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

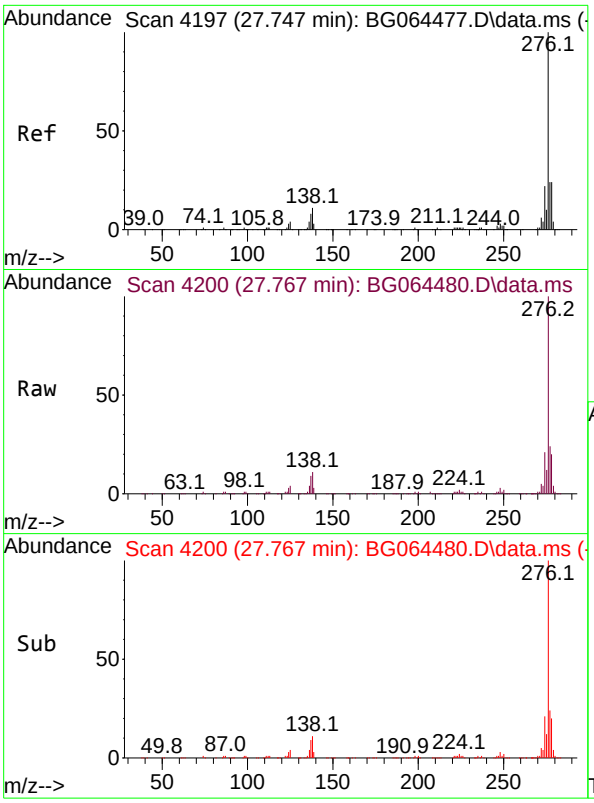


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.394 min Scan# 3626
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:264 Resp: 185893

Ion	Ratio	Lower	Upper
264	100		
260	22.7	16.2	24.4
265	20.2	15.0	22.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 78.621 ng
RT: 27.767 min Scan# 4
Delta R.T. 0.034 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

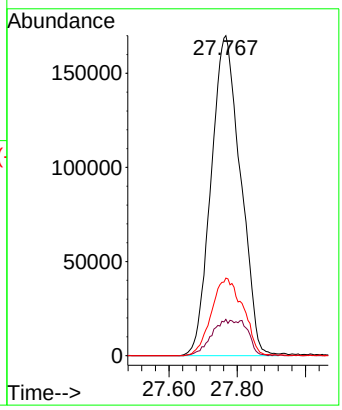
Tgt Ion:276 Resp: 101730

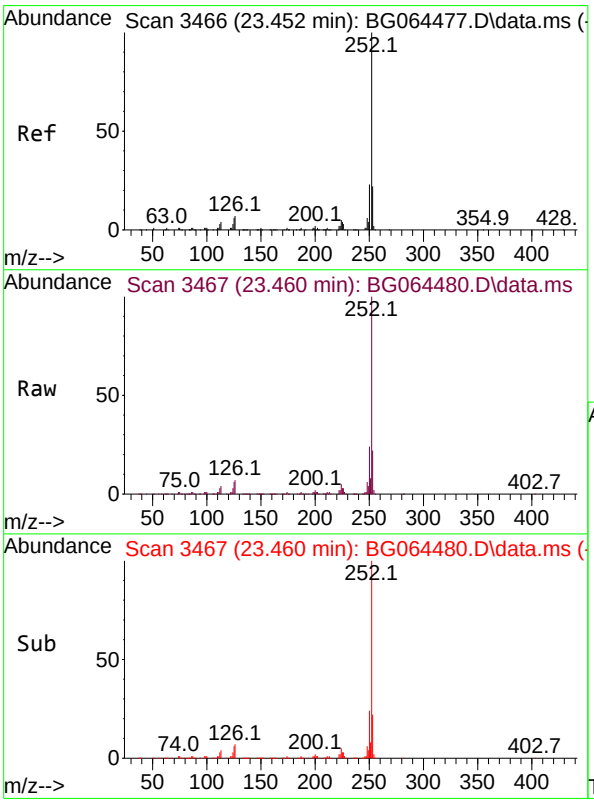
Ion	Ratio	Lower	Upper
276	100		
138	6.5	10.8	16.2#
277	26.0	20.3	30.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

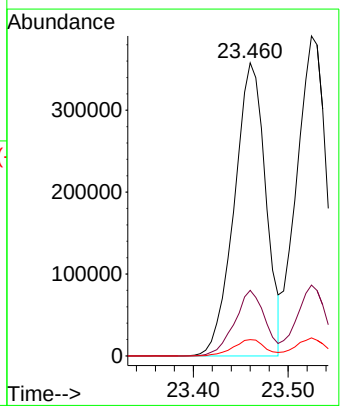


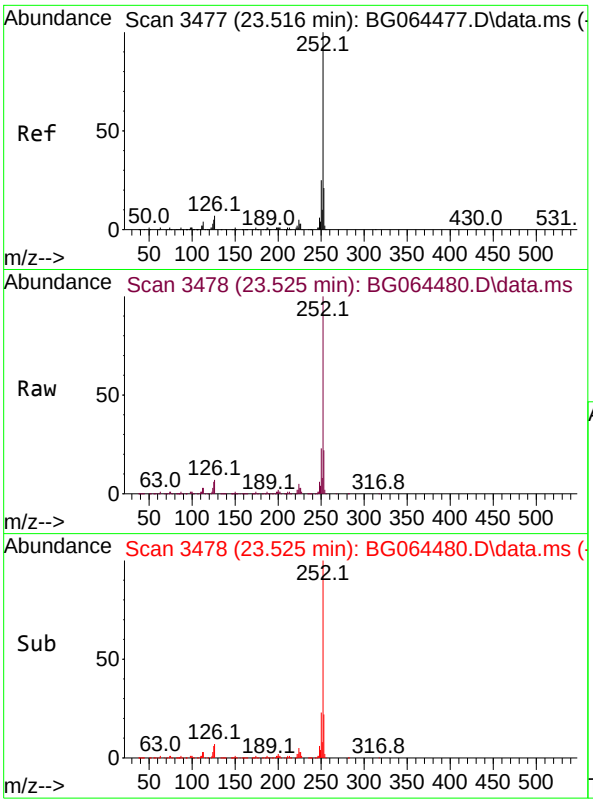


#88
Benzo(b)fluoranthene
Concen: 78.008 ng
RT: 23.460 min Scan# 3467
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:252 Resp: 824972

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	5.5	4.5	6.7





#89
Benzo(k)fluoranthene
Concen: 79.738 ng
RT: 23.525 min Scan# 34
Delta R.T. 0.017 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

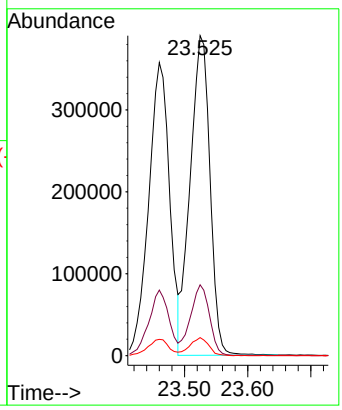
Tgt Ion:252 Resp: 84930

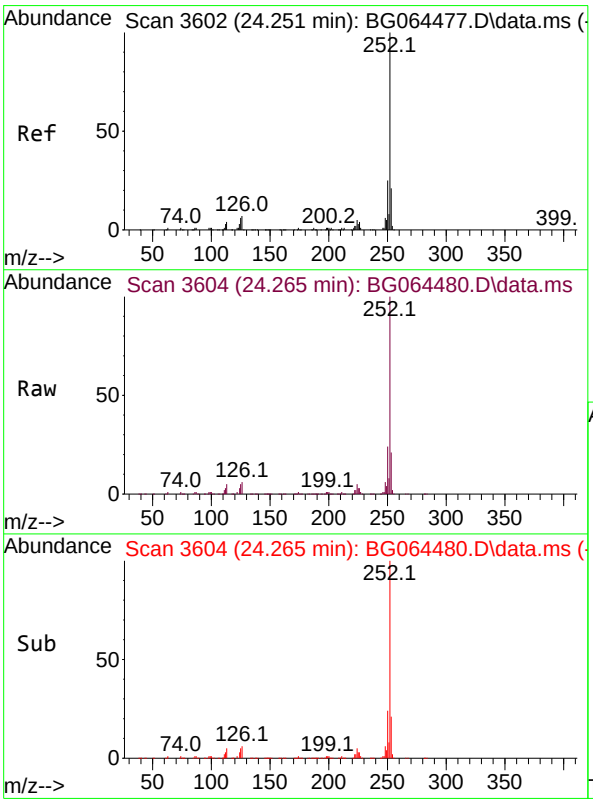
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	5.7	4.0	6.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

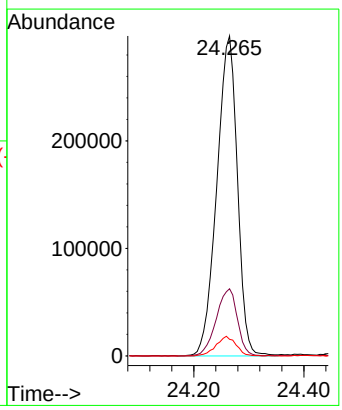


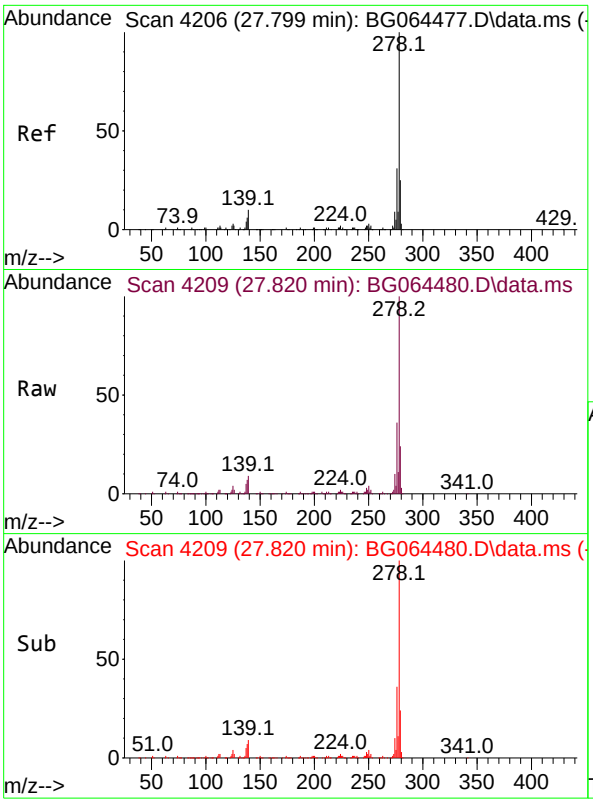


#90
Benzo(a)pyrene
Concen: 79.130 ng
RT: 24.265 min Scan# 3604
Delta R.T. 0.017 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:252 Resp: 771257

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.1	25.7
125	5.2	4.6	6.8

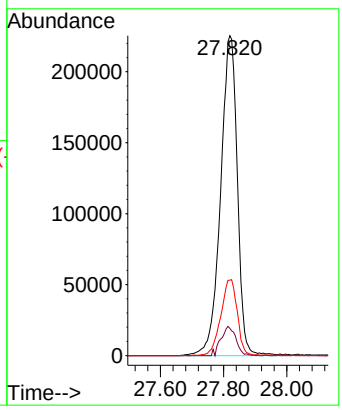




#91
Dibenzo(a,h)anthracene
Concen: 80.178 ng
RT: 27.820 min Scan# 4
Delta R.T. 0.040 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:278 Resp: 82966

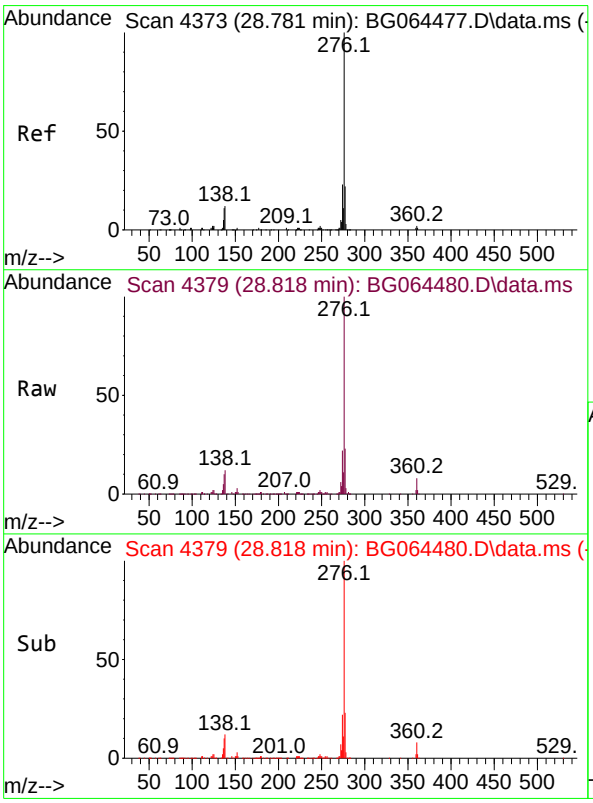
Ion	Ratio	Lower	Upper
278	100		
139	8.5	8.2	12.2
279	23.6	19.6	29.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

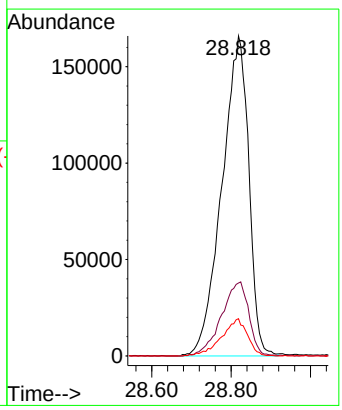
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#92
Benzo(g,h,i)perylene
Concen: 77.460 ng
RT: 28.818 min Scan# 4379
Delta R.T. 0.052 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:276 Resp: 778918

Ion	Ratio	Lower	Upper
276	100		
277	22.8	17.8	26.6
138	11.6	9.4	14.0



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064481.D
Acq On : 2 Oct 2025 15:49
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 02 17:12:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.820	152	18970	20.000	ng		# 0.00
21) Naphthalene-d8	10.605	136	83408	20.000	ng		# 0.00
39) Acenaphthene-d10	14.448	164	63487	20.000	ng		0.00
64) Phenanthrene-d10	17.186	188	165339	20.000	ng		# 0.00
76) Chrysene-d12	21.410	240	164846	20.000	ng		0.00
86) Perylene-d12	24.389	264	177771	20.000	ng		# 0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.406	112	19317	18.845	ng		0.00
7) Phenol-d6	6.986	99	26053	18.914	ng		0.00
23) Nitrobenzene-d5	8.966	82	29358	18.926	ng		0.00
42) 2,4,6-Tribromophenol	15.934	330	22352	19.423	ng		0.00
45) 2-Fluorobiphenyl	13.067	172	84929	19.718	ng		0.00
79) Terphenyl-d14	19.806	244	174977	20.088	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.320	88	3907	9.636	ng		90
3) Pyridine	3.714	79	10914	10.016	ng		92
4) n-Nitrosodimethylamine	3.625	42	8097	10.250	ng		99
6) Aniline	7.145	93	16489	9.490	ng		96
8) 2-Chlorophenol	7.386	128	11988	9.524	ng		92
9) Benzaldehyde	6.963	77	13633	11.149	ng		86
10) Phenol	7.016	94	13252	9.120	ng		94
11) bis(2-Chloroethyl)ether	7.245	93	9040	9.186	ng		89
12) 1,3-Dichlorobenzene	7.709	146	13843	10.054	ng		91
13) 1,4-Dichlorobenzene	7.856	146	13607	9.847	ng		97
14) 1,2-Dichlorobenzene	8.173	146	13175	9.674	ng		93
15) Benzyl Alcohol	8.055	79	11608	9.151	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.338	45	15268	9.625	ng		95
17) 2-Methylphenol	8.261	107	10084	9.584	ng		92
18) Hexachloroethane	8.896	117	5976	10.956	ng		87
19) n-Nitroso-di-n-propyla...	8.614	70	8658	9.398	ng	#	92
20) 3+4-Methylphenols	8.590	107	13961	9.508	ng		96
22) Acetophenone	8.631	105	18753	9.286	ng	#	91
24) Nitrobenzene	9.013	77	14519	9.386	ng	#	92
25) Isophorone	9.530	82	27293	9.712	ng	#	95
26) 2-Nitrophenol	9.718	139	7029	9.130	ng		90
27) 2,4-Dimethylphenol	9.783	122	10726	9.122	ng		91
28) bis(2-Chloroethoxy)met...	10.018	93	13354	9.323	ng		93
29) 2,4-Dichlorophenol	10.259	162	12712	9.349	ng		95
30) 1,2,4-Trichlorobenzene	10.470	180	13887	9.366	ng	#	89
31) Naphthalene	10.652	128	40855	9.512	ng		97
32) Benzoic acid	9.889	122	6224m	6.894	ng		
33) 4-Chloroaniline	10.764	127	16589	10.065	ng	#	91
34) Hexachlorobutadiene	10.946	225	12067	9.503	ng		97
35) Caprolactam	11.510	113	4491	9.648	ng	#	85
36) 4-Chloro-3-methylphenol	11.892	107	15870	9.597	ng		93
37) 2-Methylnaphthalene	12.268	142	32141	9.749	ng		93
38) 1-Methylnaphthalene	12.486	142	32614	9.921	ng		98
40) 1,2,4,5-Tetrachloroben...	12.638	216	19175	9.354	ng		95
41) Hexachlorocyclopentadiene	12.621	237	8845	8.249	ng		96
43) 2,4,6-Trichlorophenol	12.879	196	12393	9.457	ng		95

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064481.D
Acq On : 2 Oct 2025 15:49
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 02 17:12:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.956	196	14346	9.806	ng	#	94
46) 1,1'-Biphenyl	13.279	154	44053	9.648	ng		95
47) 2-Chloronaphthalene	13.320	162	35050	10.281	ng		97
48) 2-Nitroaniline	13.526	65	11482	9.868	ng		93
49) Acenaphthylene	14.172	152	48705	9.624	ng	#	93
50) Dimethylphthalate	13.902	163	50268	10.110	ng		97
51) 2,6-Dinitrotoluene	14.019	165	10337	9.980	ng		98
52) Acenaphthene	14.513	154	34887	9.922	ng		96
53) 3-Nitroaniline	14.348	138	9342	9.780	ng		94
54) 2,4-Dinitrophenol	14.566	184	8424	11.216	ng	#	71
55) Dibenzofuran	14.848	168	57456	9.897	ng		98
56) 4-Nitrophenol	14.665	139	6104	8.116	ng		89
57) 2,4-Dinitrotoluene	14.812	165	15843	10.006	ng		97
58) Fluorene	15.494	166	47958	9.937	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.071	232	14205	9.514	ng		97
60) Diethylphthalate	15.271	149	53695	10.066	ng	#	94
61) 4-Chlorophenyl-phenyle...	15.488	204	25669	9.742	ng		94
62) 4-Nitroaniline	15.511	138	9390	9.431	ng	#	85
63) Azobenzene	15.782	77	41235	9.982	ng		96
65) 4,6-Dinitro-2-methylph...	15.576	198	10315	8.960	ng		79
66) n-Nitrosodiphenylamine	15.705	169	42881	9.712	ng		95
67) 4-Bromophenyl-phenylether	16.381	248	18933	9.731	ng		92
68) Hexachlorobenzene	16.499	284	21542	9.676	ng		99
69) Atrazine	16.651	200	19877	10.119	ng		92
70) Pentachlorophenol	16.845	266	9789	7.520	ng	#	84
71) Phenanthrene	17.227	178	84477	9.770	ng		96
72) Anthracene	17.321	178	84981	9.797	ng		100
73) Carbazole	17.591	167	73994	9.869	ng		97
74) Di-n-butylphthalate	18.155	149	89166	9.742	ng		97
75) Fluoranthene	19.236	202	101360	9.813	ng		98
77) Benzidine	19.425	184	32380	7.894	ng		98
78) Pyrene	19.601	202	109573	10.242	ng		97
80) Butylbenzylphthalate	20.500	149	36112	9.522	ng		95
81) Benzo(a)anthracene	21.393	228	102096	9.700	ng		98
82) 3,3'-Dichlorobenzidine	21.316	252	34449	9.670	ng		99
83) Chrysene	21.452	228	98898	9.908	ng		96
84) Bis(2-ethylhexyl)phtha...	21.316	149	52514	9.814	ng		94
85) Di-n-octyl phthalate	22.439	149	86988	9.673	ng		99
87) Indeno(1,2,3-cd)pyrene	27.732	276	117303	9.480	ng	#	75
88) Benzo(b)fluoranthene	23.449	252	96327	9.525	ng		97
89) Benzo(k)fluoranthene	23.508	252	96178	9.442	ng		98
90) Benzo(a)pyrene	24.248	252	88822	9.529	ng	#	93
91) Dibenzo(a,h)anthracene	27.779	278	93585	9.457	ng		97
92) Benzo(g,h,i)perylene	28.767	276	93612	9.735	ng	#	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

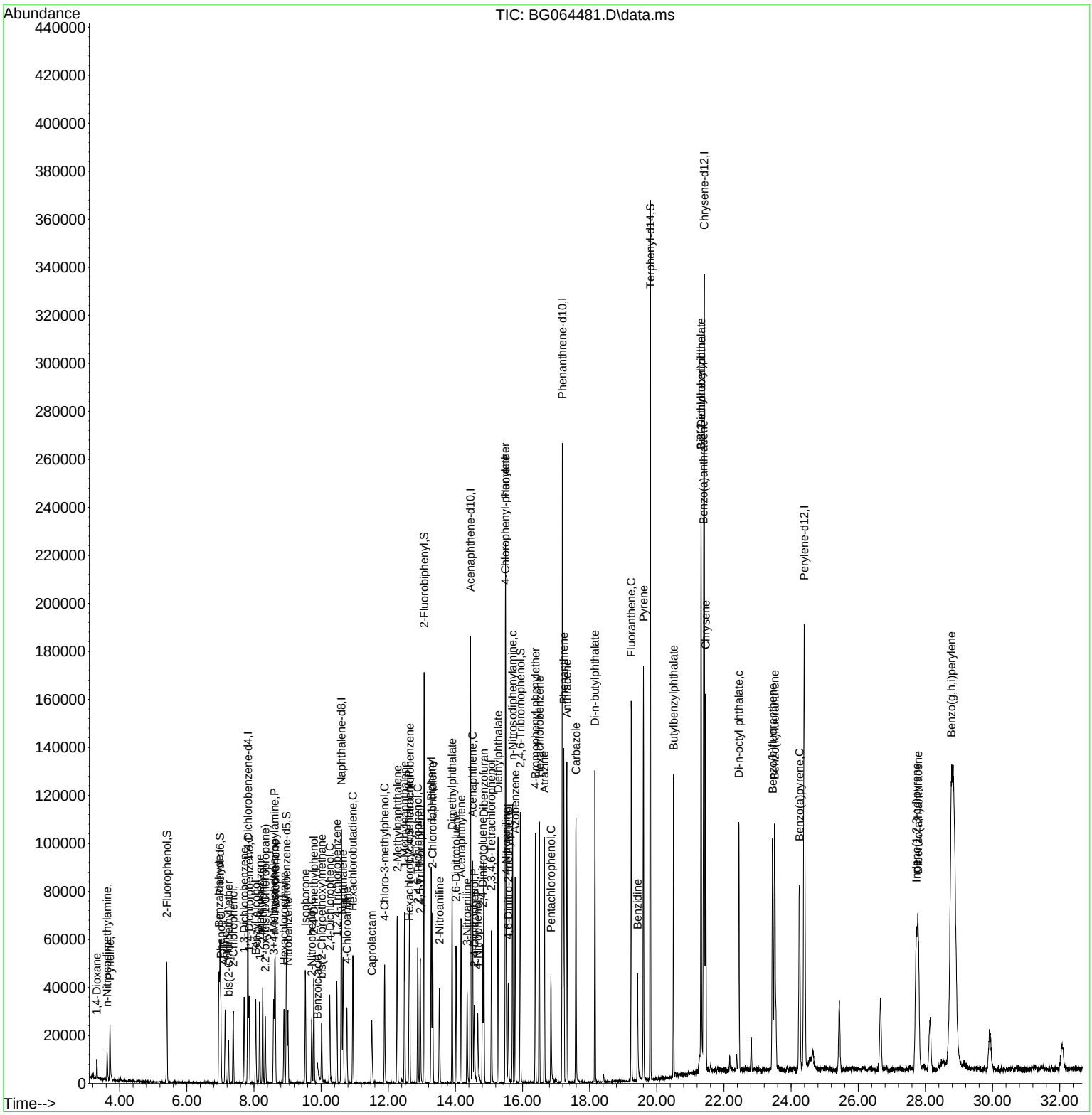
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064481.D
Acq On : 2 Oct 2025 15:49
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 10 Sample Multiplier: 1

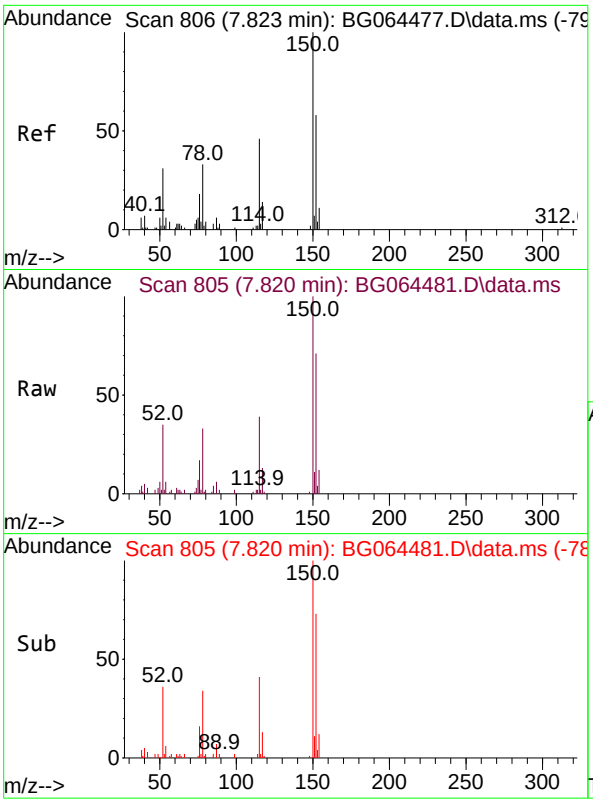
Quant Time: Oct 02 17:12:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

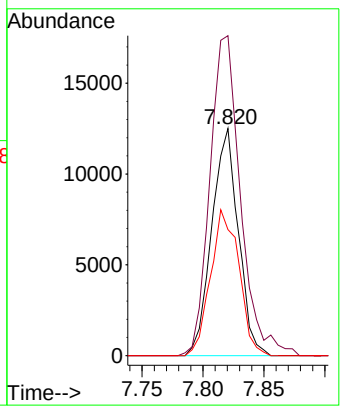




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.820 min Scan# 80
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:152 Resp: 1897

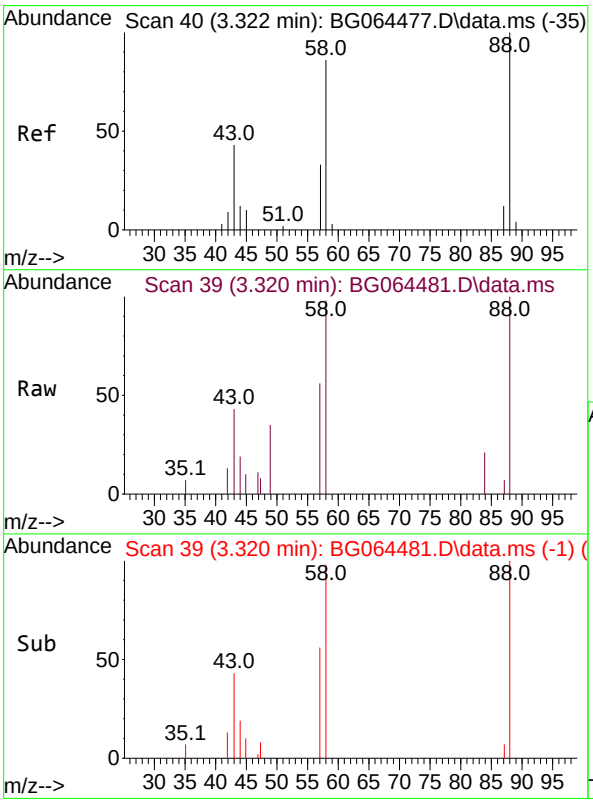
Ion	Ratio	Lower	Upper
152	100		
150	140.9	138.6	207.8
115	55.5	63.4	95.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

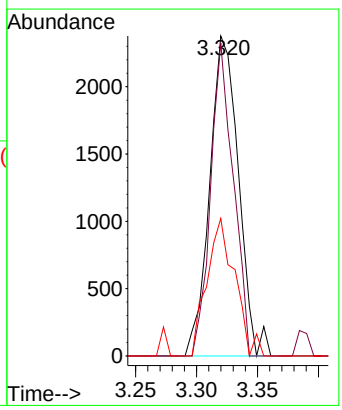
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

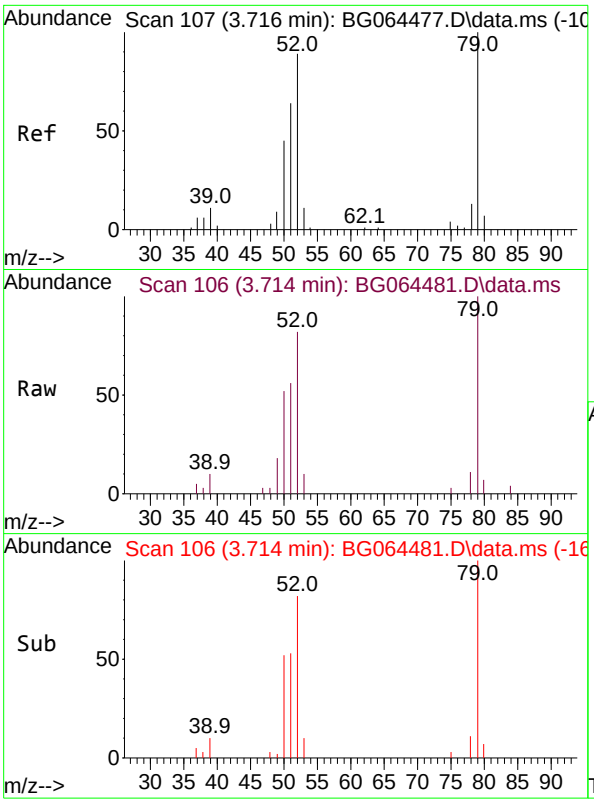


#2
1,4-Dioxane
Concen: 9.636 ng
RT: 3.320 min Scan# 39
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 88 Resp: 3907

Ion	Ratio	Lower	Upper
88	100		
58	77.0	69.8	104.6
43	41.6	37.4	56.0

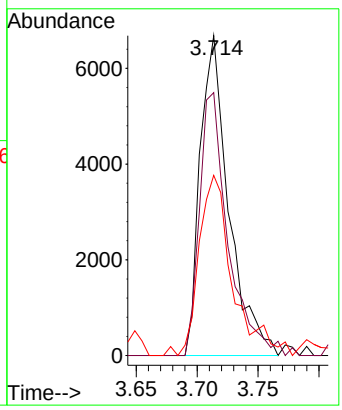




#3
Pyridine
Concen: 10.016 ng
RT: 3.714 min Scan# 10
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 79 Resp: 10914

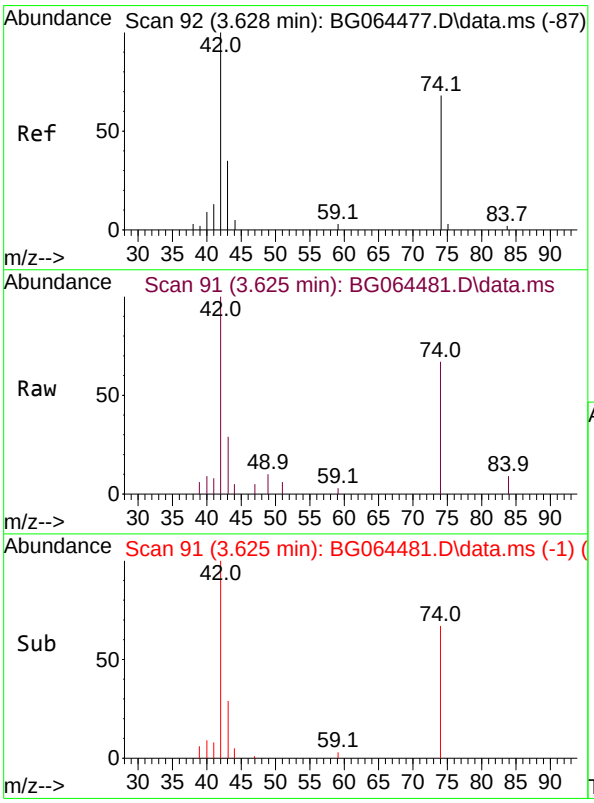
Ion	Ratio	Lower	Upper
79	100		
52	82.2	71.0	106.4
51	56.3	51.0	76.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

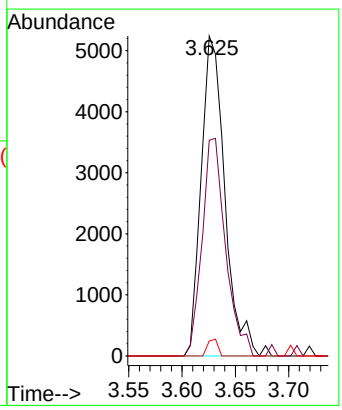
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

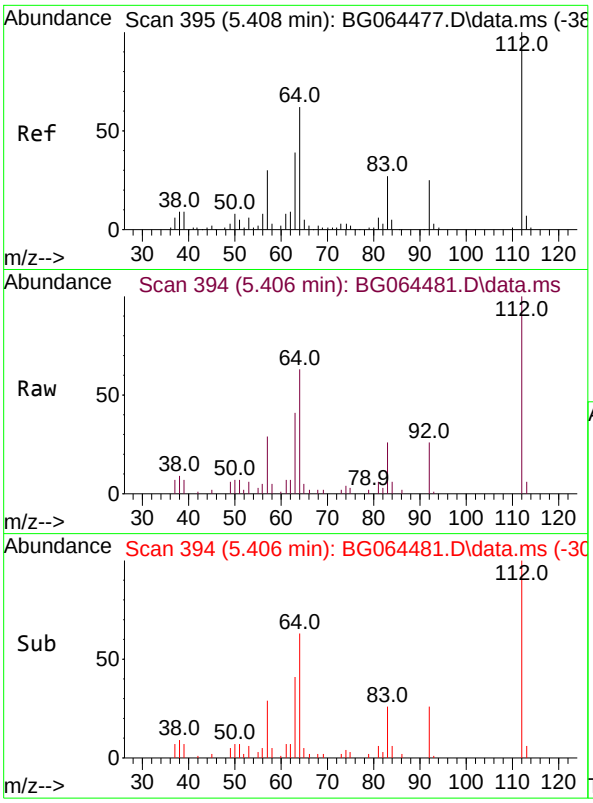


#4
n-Nitrosodimethylamine
Concen: 10.250 ng
RT: 3.625 min Scan# 91
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 42 Resp: 8097

Ion	Ratio	Lower	Upper
42	100		
74	67.4	54.2	81.4
44	4.7	4.2	6.2

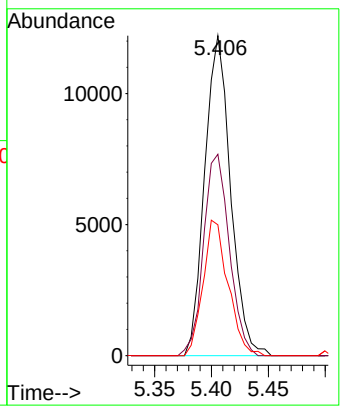




#5
2-Fluorophenol
Concen: 18.845 ng
RT: 5.406 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:112 Resp: 1931

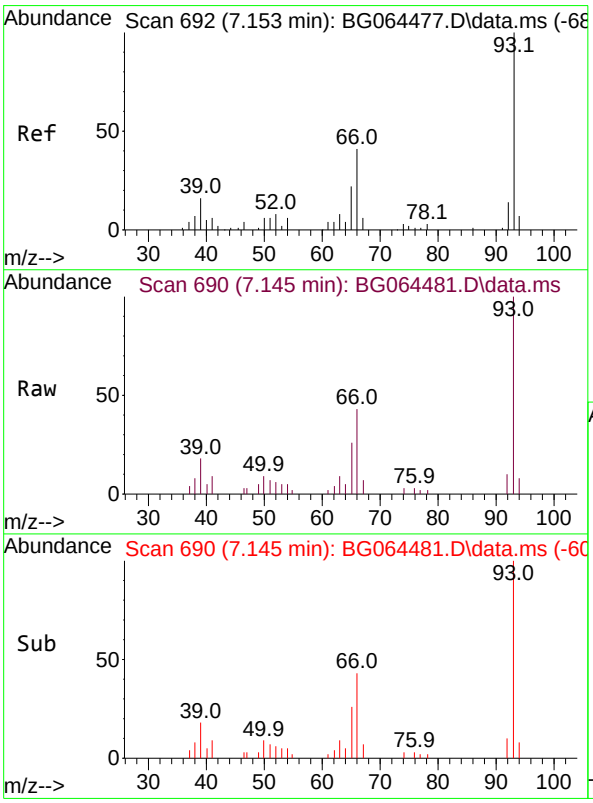
Ion	Ratio	Lower	Upper
112	100		
64	62.9	49.8	74.8
63	40.9	31.3	46.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

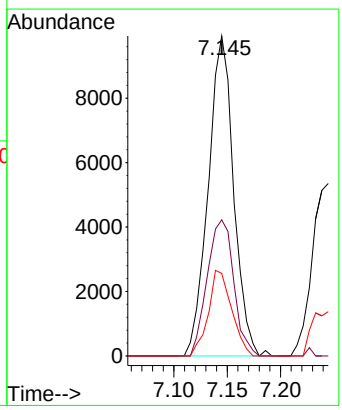
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

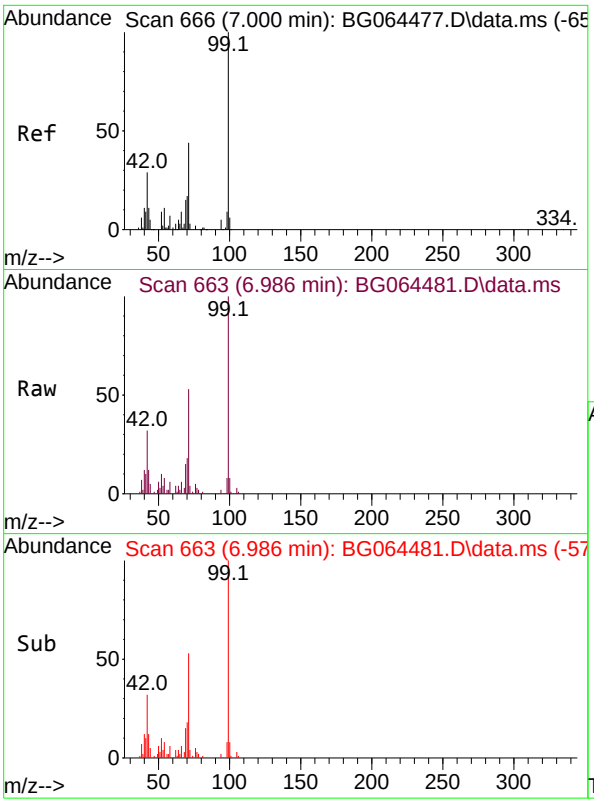


#6
Aniline
Concen: 9.490 ng
RT: 7.145 min Scan# 690
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 93 Resp: 16489

Ion	Ratio	Lower	Upper
93	100		
66	42.5	33.0	49.4
65	25.8	17.5	26.3

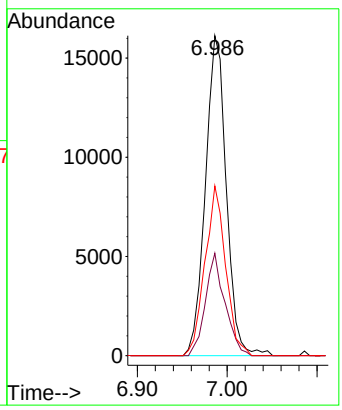




#7
Phenol-d6
Concen: 18.914 ng
RT: 6.986 min Scan# 6
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 99 Resp: 2605

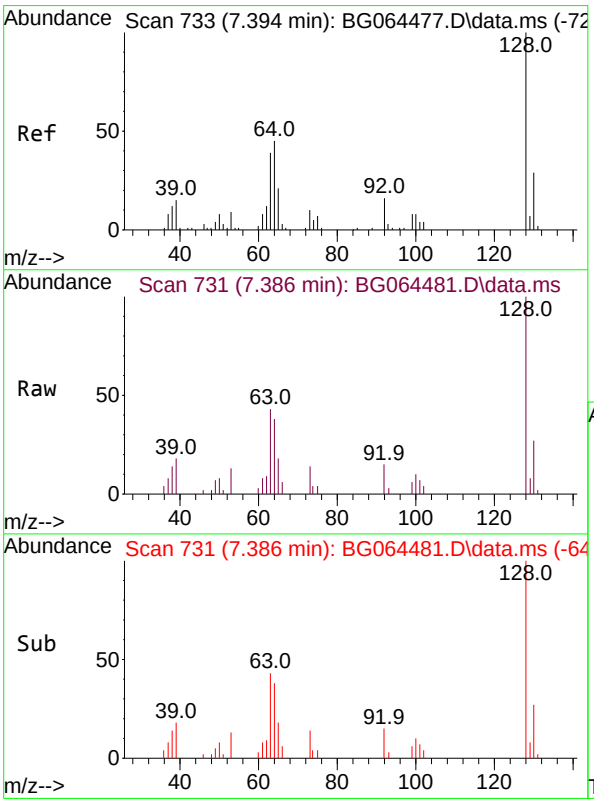
Ion	Ratio	Lower	Upper
99	100		
42	32.0	22.9	34.3
71	53.0	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

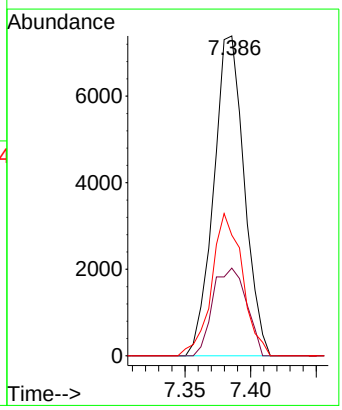
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

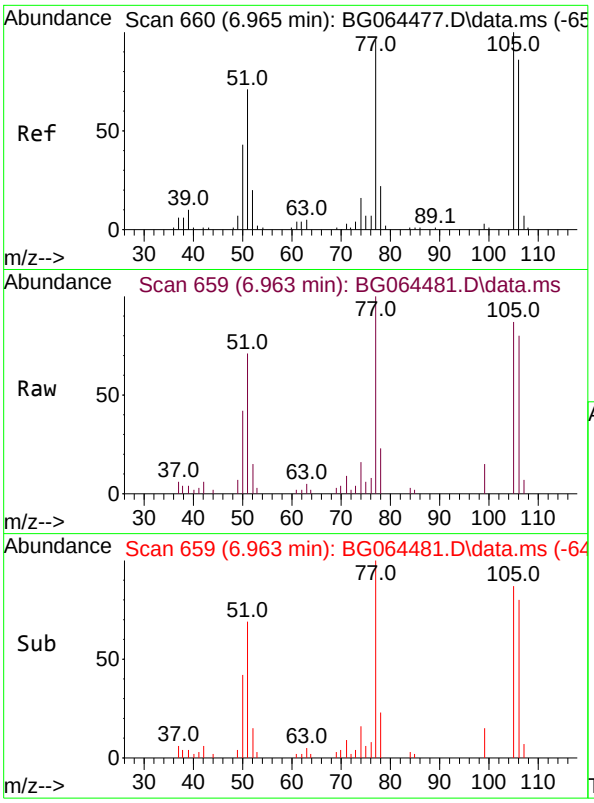


#8
2-Chlorophenol
Concen: 9.524 ng
RT: 7.386 min Scan# 731
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:128 Resp: 11988

Ion	Ratio	Lower	Upper
128	100		
130	27.4	9.2	49.2
64	37.7	25.5	65.5

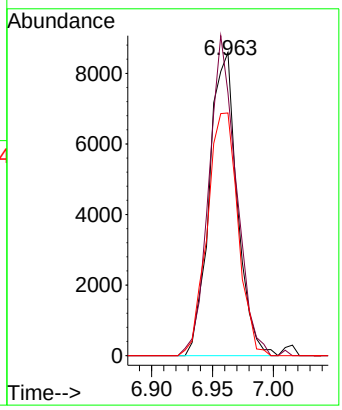




#9
Benzaldehyde
Concen: 11.149 ng
RT: 6.963 min Scan# 6
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 77 Resp: 1363

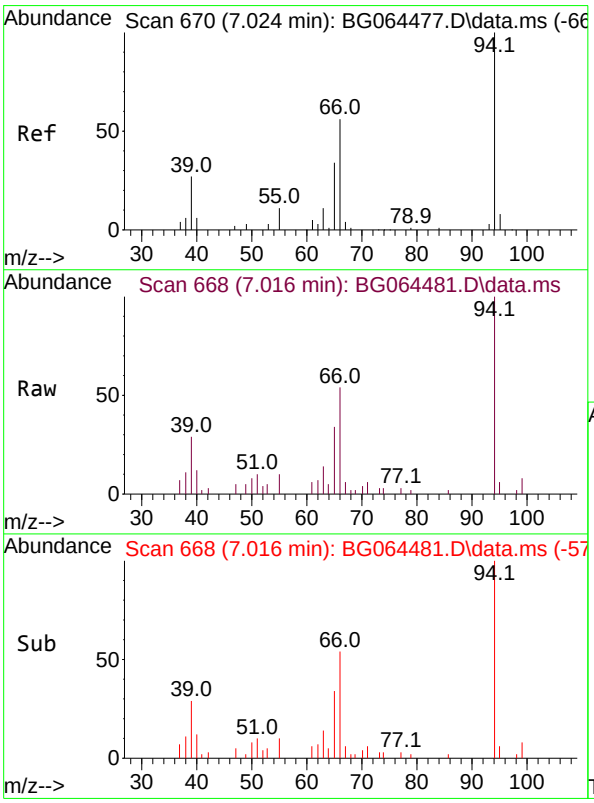
Ion	Ratio	Lower	Upper
77	100		
105	86.7	83.7	123.7
106	80.0	69.4	109.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

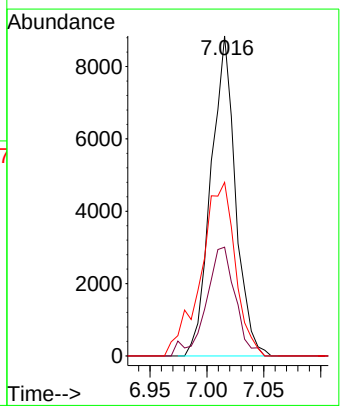
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

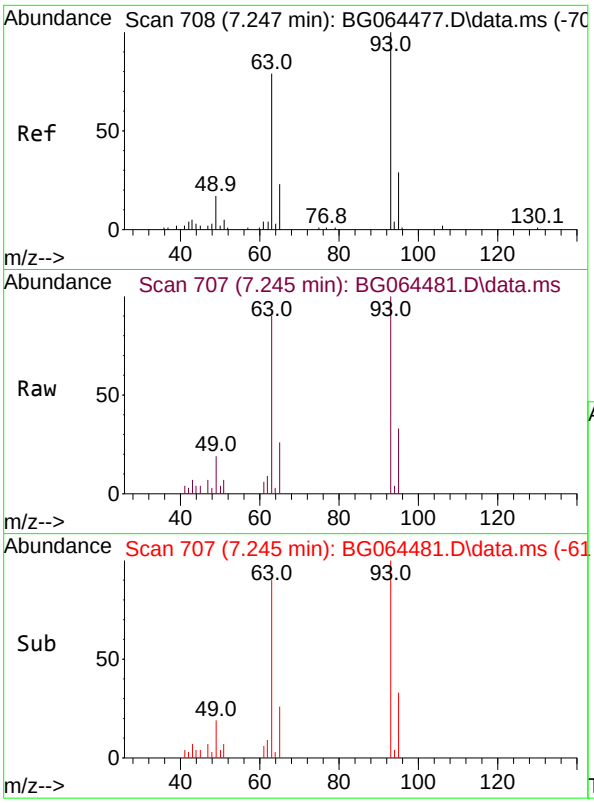


#10
Phenol
Concen: 9.120 ng
RT: 7.016 min Scan# 668
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 94 Resp: 13252

Ion	Ratio	Lower	Upper
94	100		
65	34.0	14.8	54.8
66	54.2	41.4	81.4

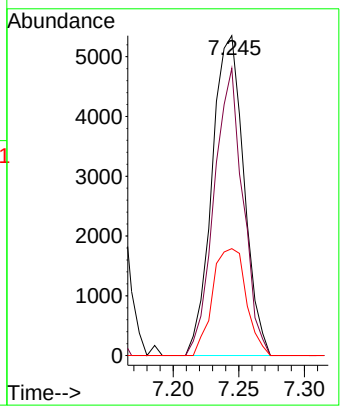




#11
bis(2-Chloroethyl)ether
Concen: 9.186 ng
RT: 7.245 min Scan# 70
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 93 Resp: 904

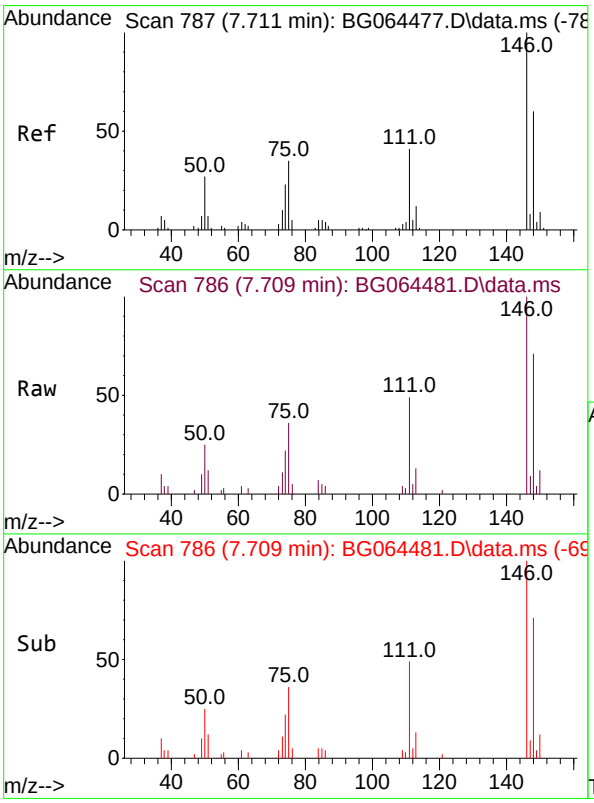
Ion	Ratio	Lower	Upper
93	100		
63	89.8	59.5	99.5
95	33.4	8.8	48.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

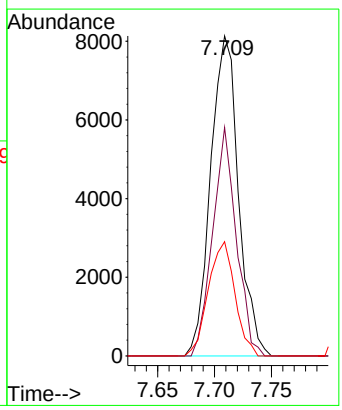
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

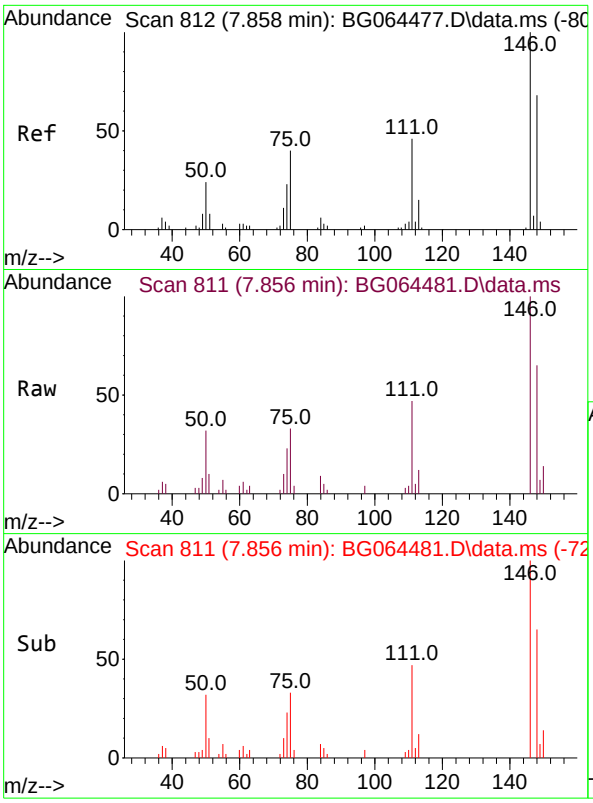


#12
1,3-Dichlorobenzene
Concen: 10.054 ng
RT: 7.709 min Scan# 786
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:146 Resp: 13843

Ion	Ratio	Lower	Upper
146	100		
148	71.4	48.4	72.6
75	35.7	28.3	42.5

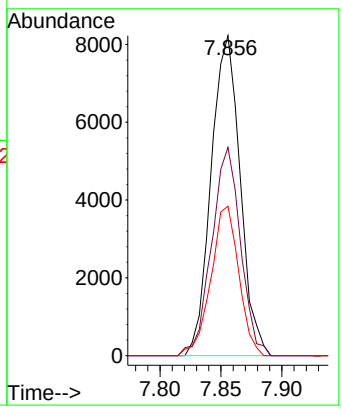




#13
1,4-Dichlorobenzene
Concen: 9.847 ng
RT: 7.856 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:146 Resp: 1360

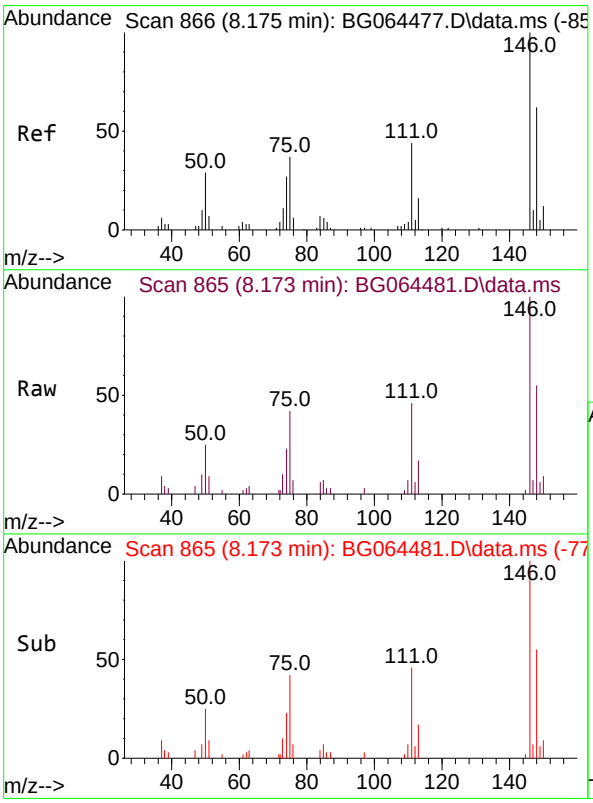
Ion	Ratio	Lower	Upper
146	100		
148	65.1	54.4	81.6
111	46.7	36.5	54.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

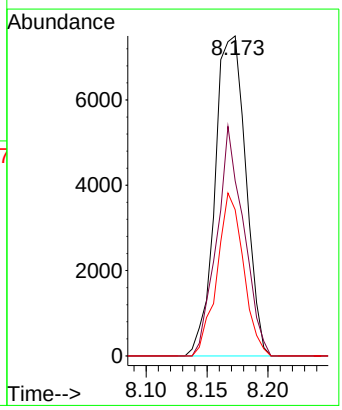
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

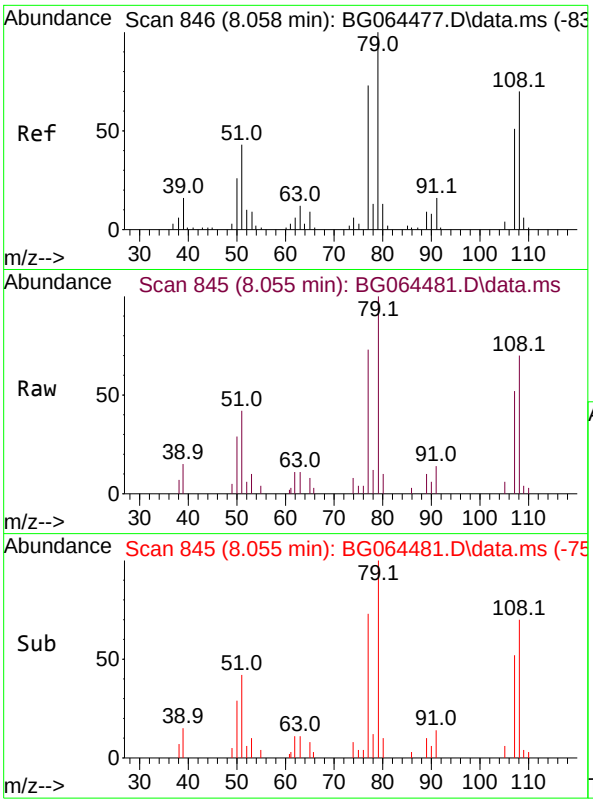


#14
1,2-Dichlorobenzene
Concen: 9.674 ng
RT: 8.173 min Scan# 865
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:146 Resp: 13175

Ion	Ratio	Lower	Upper
146	100		
148	54.7	50.0	75.0
111	45.7	35.0	52.4

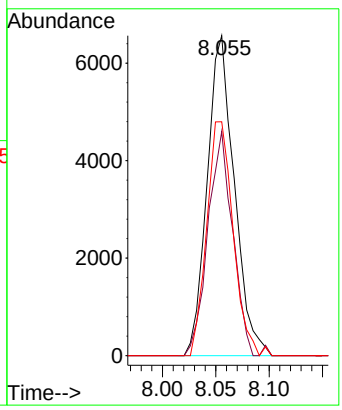




#15
Benzyl Alcohol
Concen: 9.151 ng
RT: 8.055 min Scan# 84
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 79 Resp: 1160

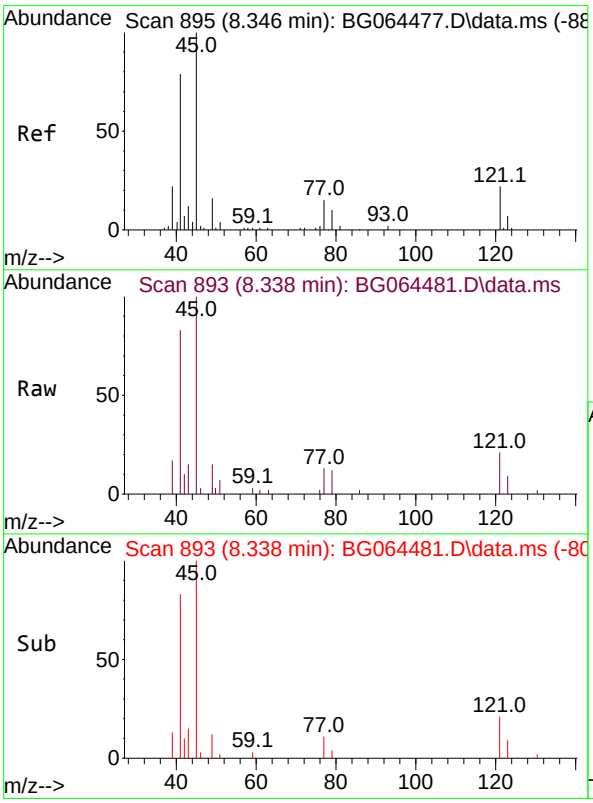
Ion	Ratio	Lower	Upper
79	100		
108	70.0	56.4	84.6
77	73.1	58.3	87.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

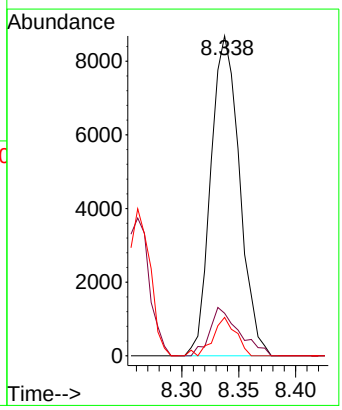
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

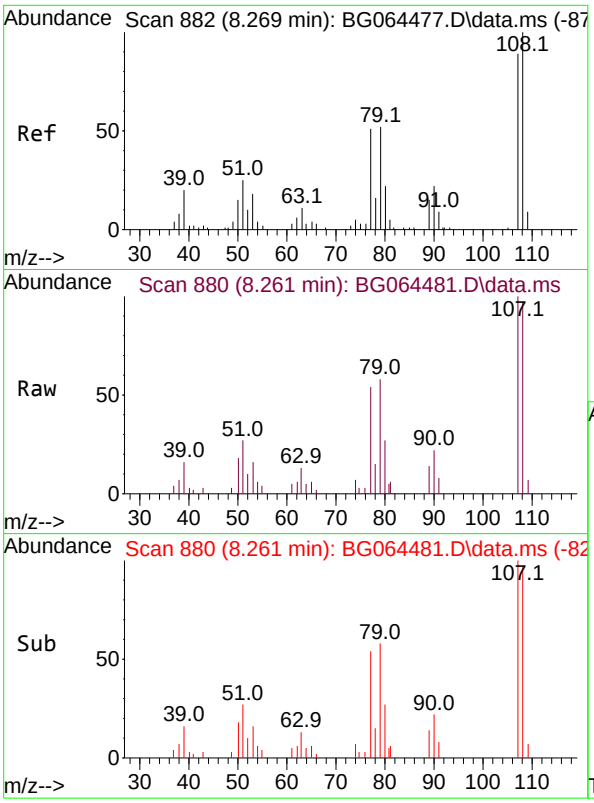


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.625 ng
RT: 8.338 min Scan# 893
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 45 Resp: 15268

Ion	Ratio	Lower	Upper
45	100		
77	13.3	0.0	35.6
79	12.0	0.0	30.7

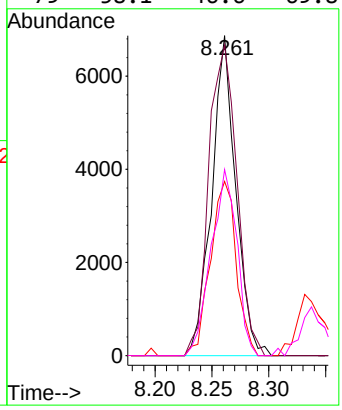




#17
2-Methylphenol
Concen: 9.584 ng
RT: 8.261 min Scan# 88
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:107 Resp: 1008

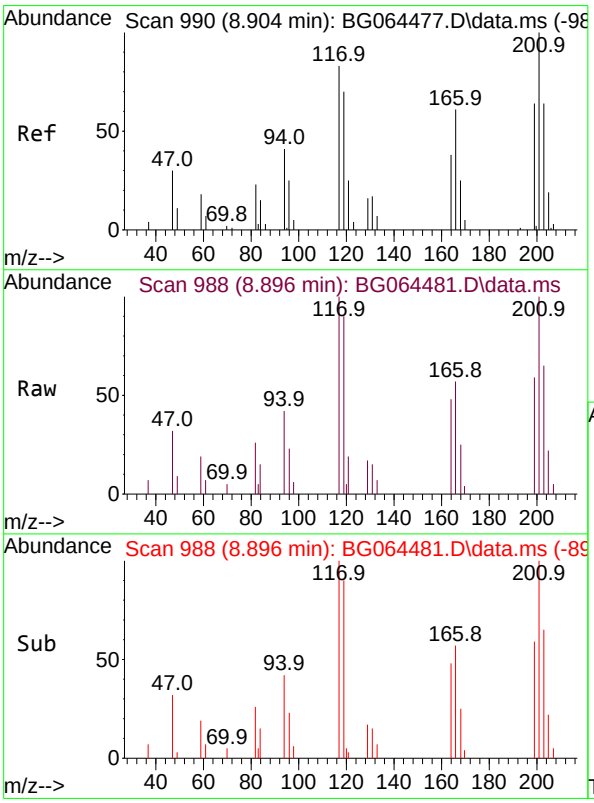
Ion	Ratio	Lower	Upper
107	100		
108	97.0	90.3	135.5
77	54.4	46.0	69.0
79	58.1	46.6	69.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

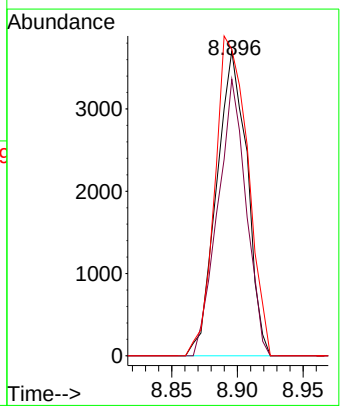
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

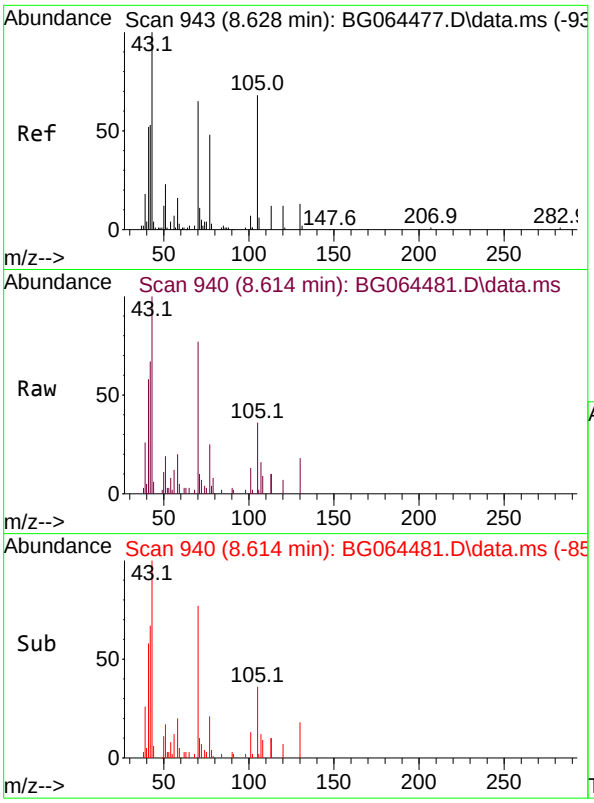


#18
Hexachloroethane
Concen: 10.956 ng
RT: 8.896 min Scan# 988
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:117 Resp: 5976

Ion	Ratio	Lower	Upper
117	100		
119	90.7	67.4	101.0
201	100.5	95.9	143.9

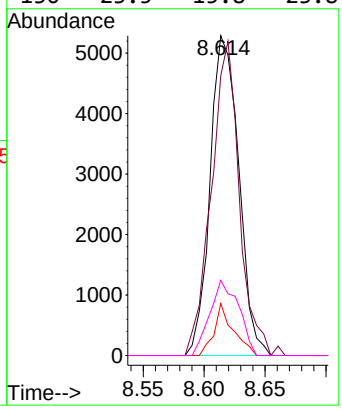




#19
n-Nitroso-di-n-propylamine
Concen: 9.398 ng
RT: 8.614 min Scan# 94
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 70 Resp: 865

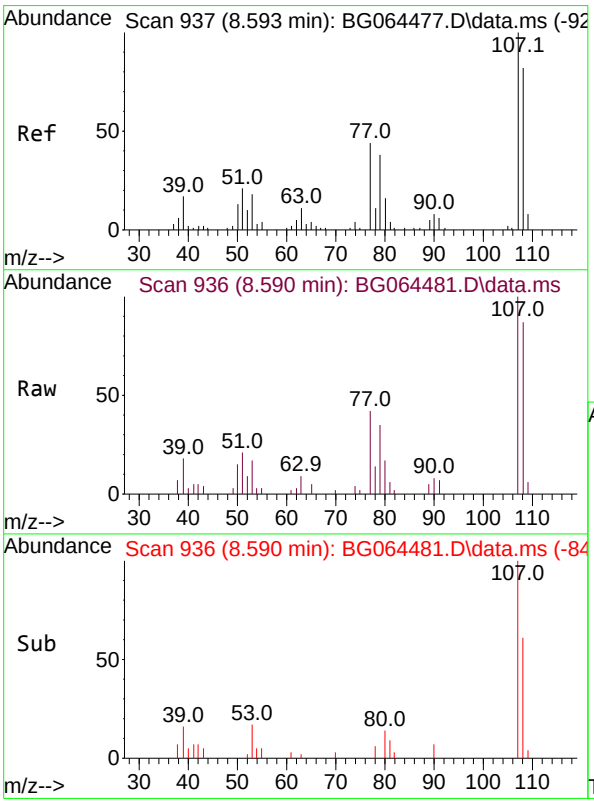
Ion	Ratio	Lower	Upper
70	100		
42	87.5	64.9	97.3
101	16.3	8.7	13.1
130	23.5	15.8	23.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

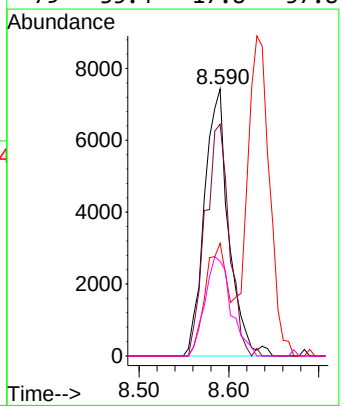
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

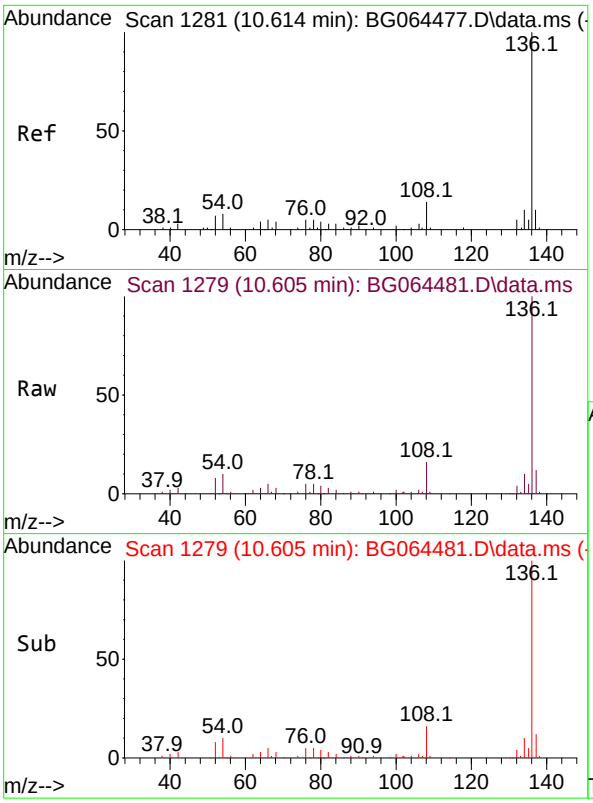


#20
3+4-Methylphenols
Concen: 9.508 ng
RT: 8.590 min Scan# 936
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:107 Resp: 13961

Ion	Ratio	Lower	Upper
107	100		
108	86.8	62.1	102.1
77	42.2	23.5	63.5
79	35.4	17.8	57.8

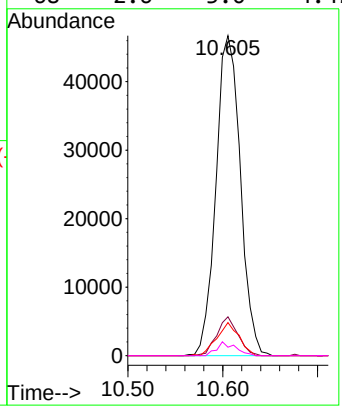




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.605 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:136 Resp: 8340

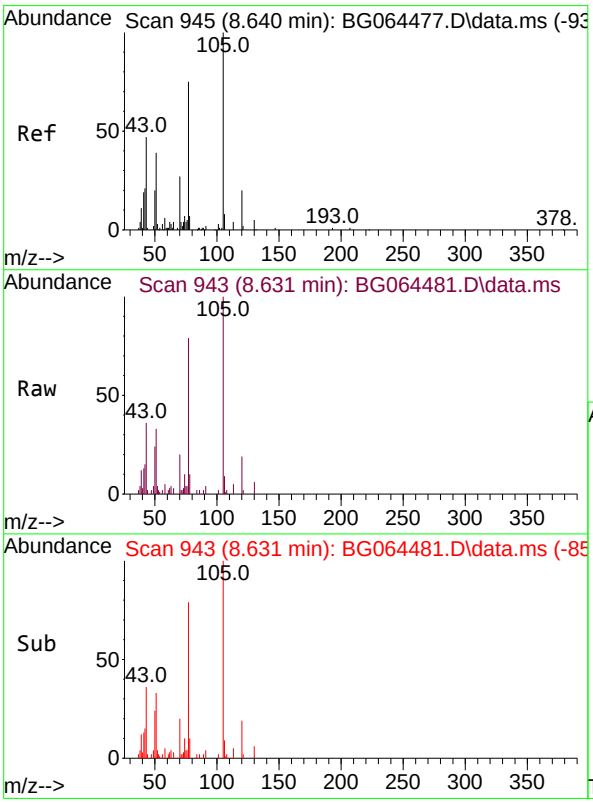
Ion	Ratio	Lower	Upper
136	100		
137	12.2	8.3	12.5
54	10.3	6.2	9.4#
68	2.6	3.0	4.4#



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

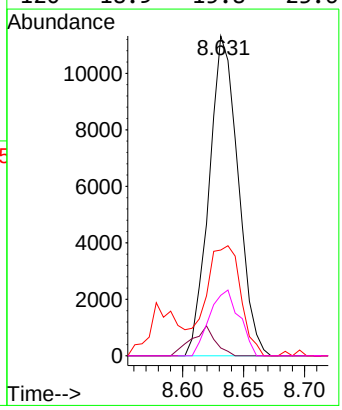
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

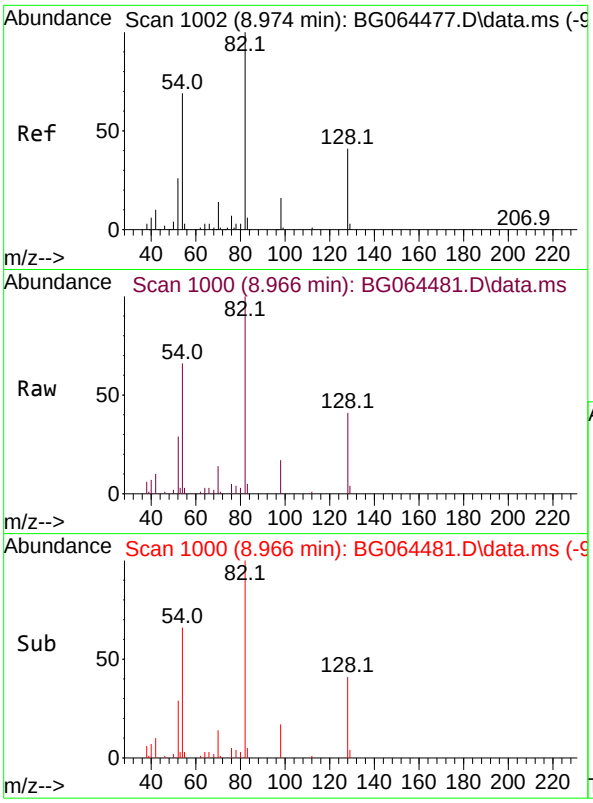


#22
Acetophenone
Concen: 9.286 ng
RT: 8.631 min Scan# 943
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:105 Resp: 18753

Ion	Ratio	Lower	Upper
105	100		
71	2.5	2.8	4.2#
51	33.1	33.0	49.4
120	18.9	15.8	23.6





#23
Nitrobenzene-d5
Concen: 18.926 ng
RT: 8.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

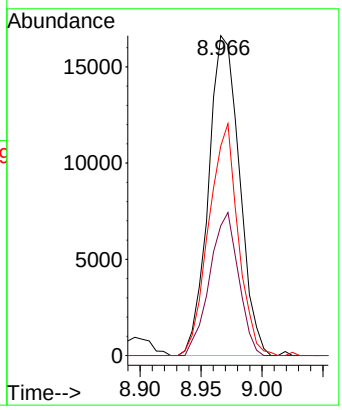
Tgt Ion: 82 Resp: 2935

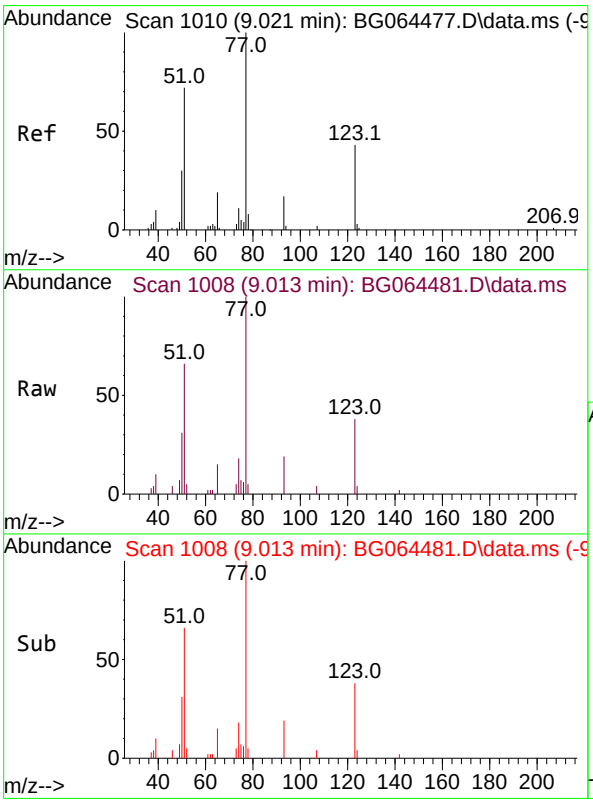
Ion	Ratio	Lower	Upper
82	100		
128	40.6	33.1	49.7
54	65.5	55.4	83.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

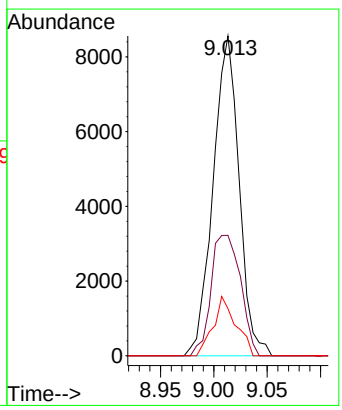


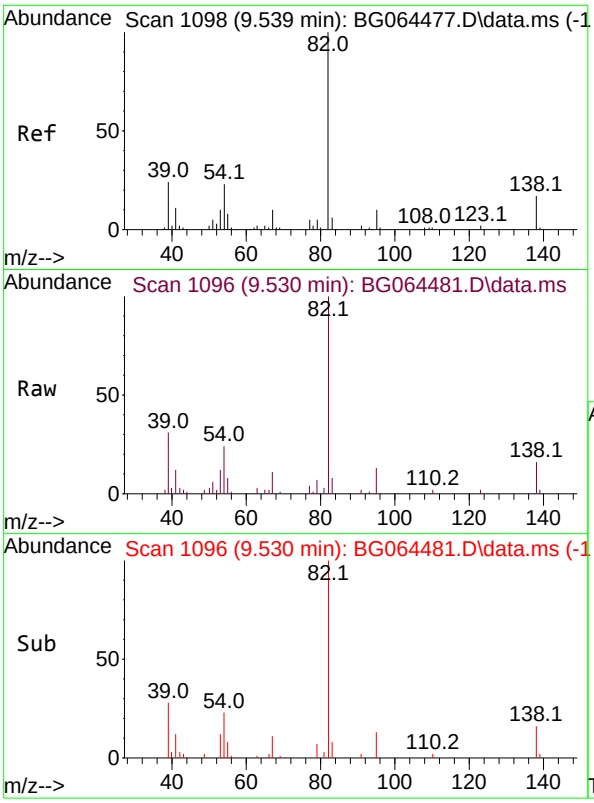


#24
Nitrobenzene
Concen: 9.386 ng
RT: 9.013 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 77 Resp: 14519

Ion	Ratio	Lower	Upper
77	100		
123	37.7	34.4	51.6
65	14.8	14.8	22.2#

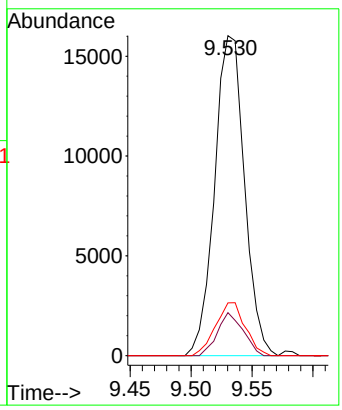




#25
Isophorone
Concen: 9.712 ng
RT: 9.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 82 Resp: 2729

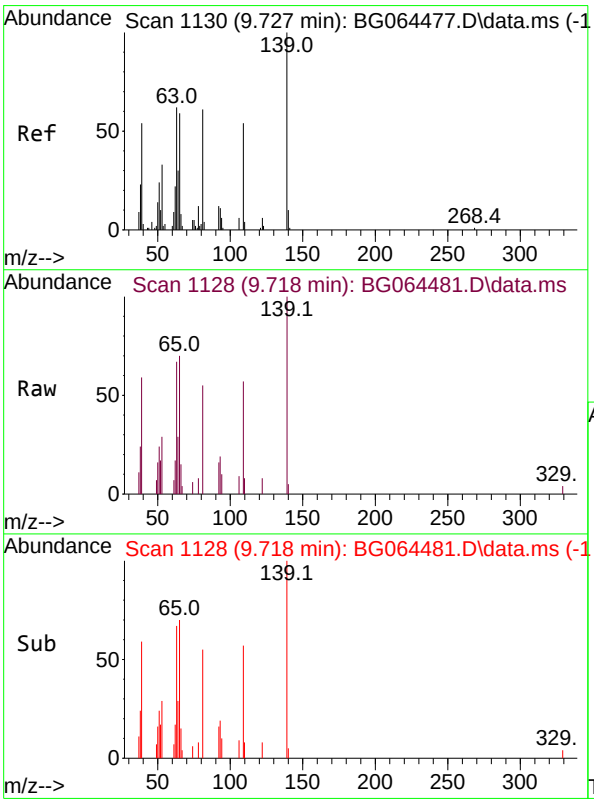
Ion	Ratio	Lower	Upper
82	100		
95	13.4	7.8	11.8#
138	16.5	13.8	20.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

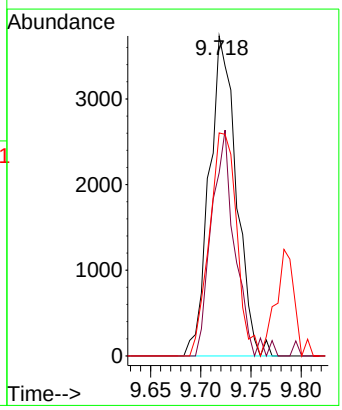
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

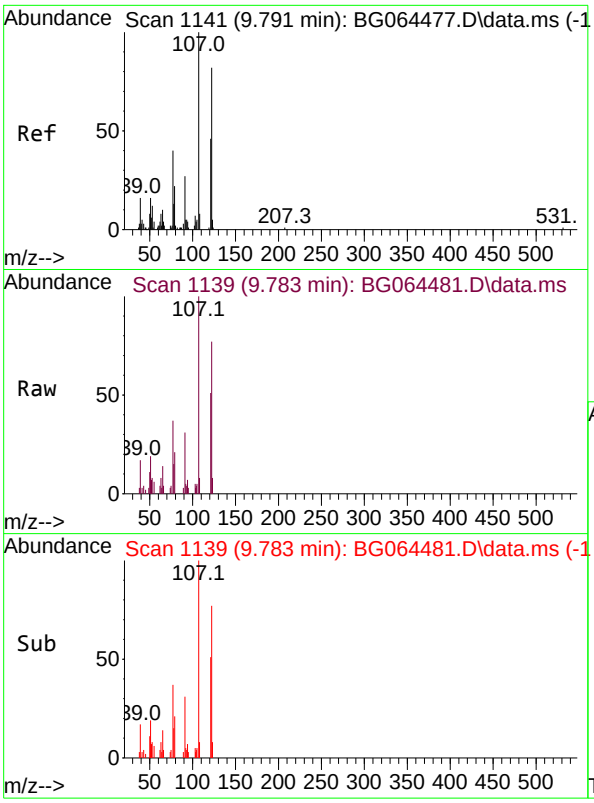


#26
2-Nitrophenol
Concen: 9.130 ng
RT: 9.718 min Scan# 1128
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:139 Resp: 7029

Ion	Ratio	Lower	Upper
139	100		
109	57.2	43.0	64.6
65	69.7	47.4	71.2

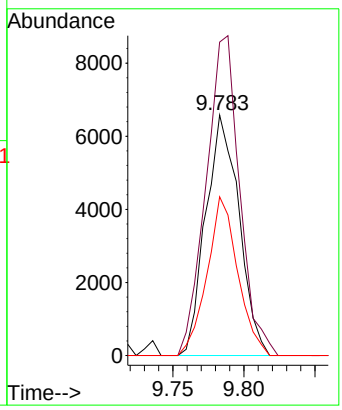




#27
2,4-Dimethylphenol
Concen: 9.122 ng
RT: 9.783 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:122 Resp: 1072

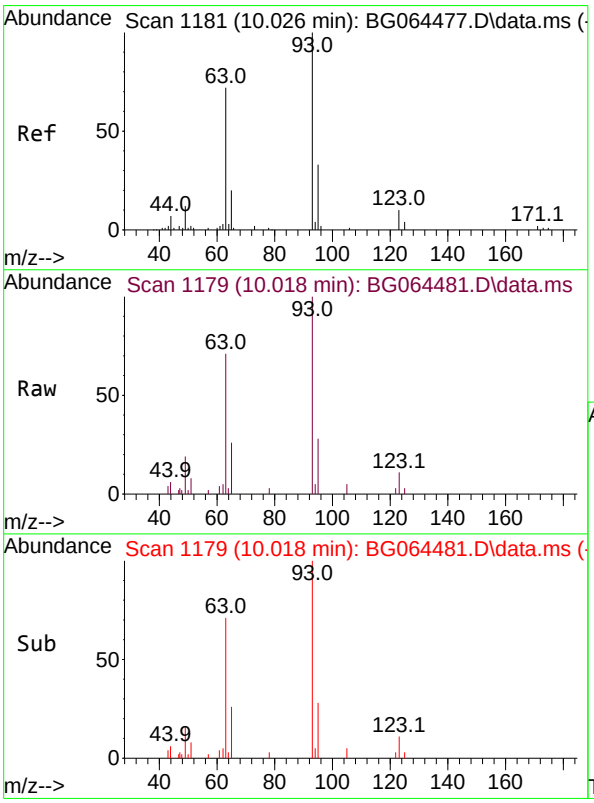
Ion	Ratio	Lower	Upper
122	100		
107	130.3	98.3	147.5
121	66.0	44.7	67.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

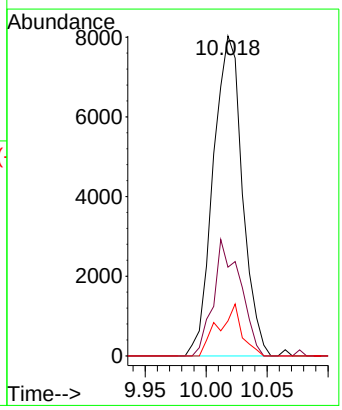
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

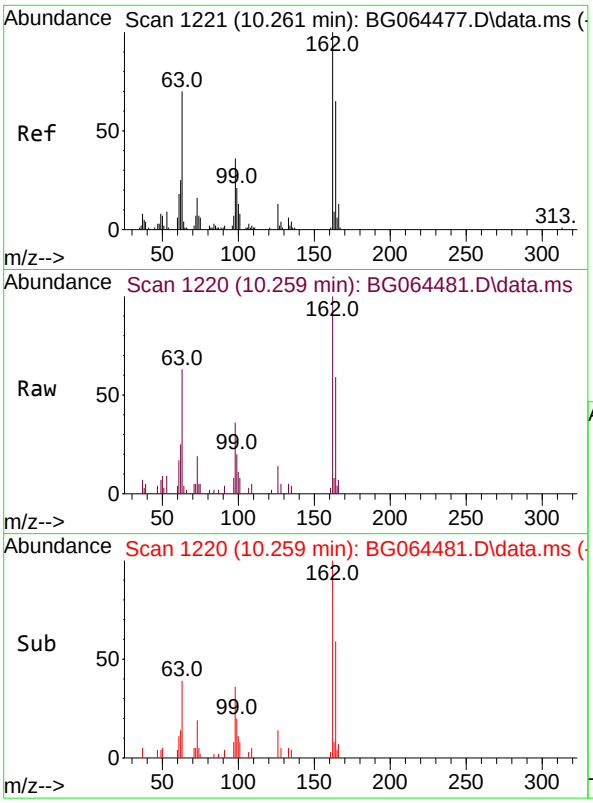


#28
bis(2-Chloroethoxy)methane
Concen: 9.323 ng
RT: 10.018 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 93 Resp: 13354

Ion	Ratio	Lower	Upper
93	100		
95	27.7	26.5	39.7
123	10.9	8.9	13.3

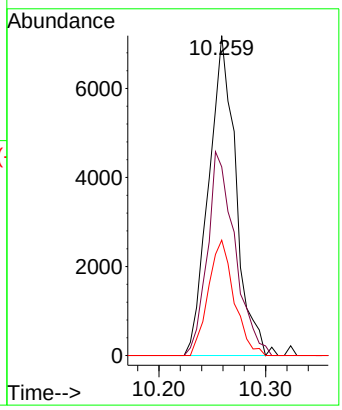




#29
2,4-Dichlorophenol
Concen: 9.349 ng
RT: 10.259 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:162 Resp: 1271

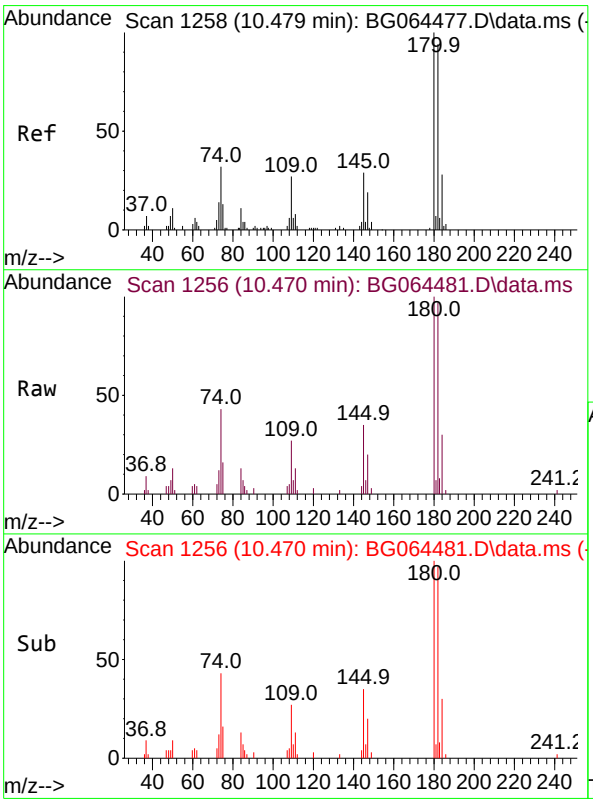
Ion	Ratio	Lower	Upper
162	100		
164	59.0	45.4	85.4
98	36.1	16.4	56.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

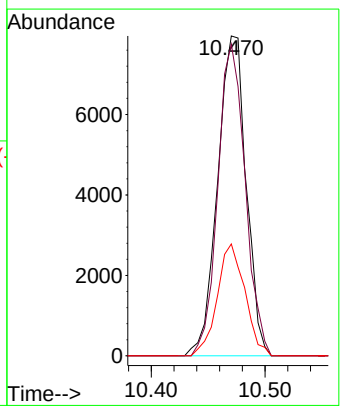
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

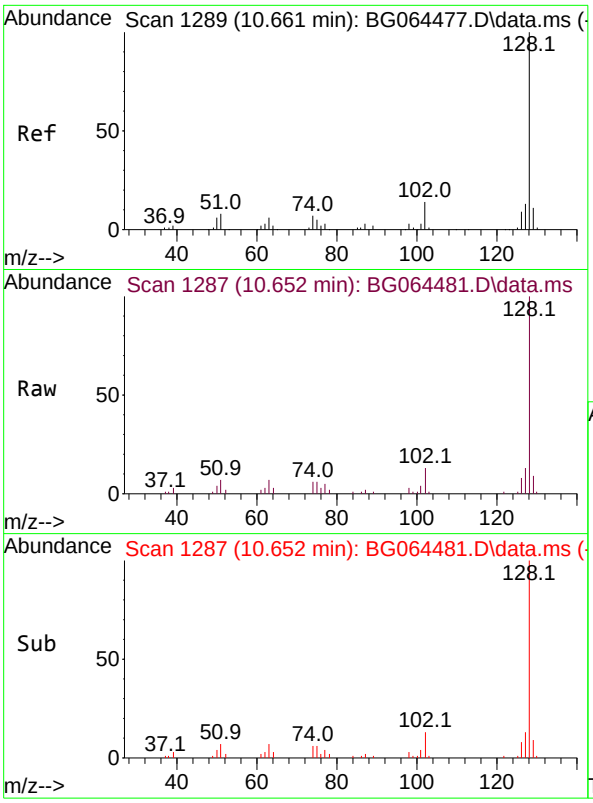


#30
1,2,4-Trichlorobenzene
Concen: 9.366 ng
RT: 10.470 min Scan# 1256
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:180 Resp: 13887

Ion	Ratio	Lower	Upper
180	100		
182	105.1	75.4	113.2
145	35.0	23.2	34.8#

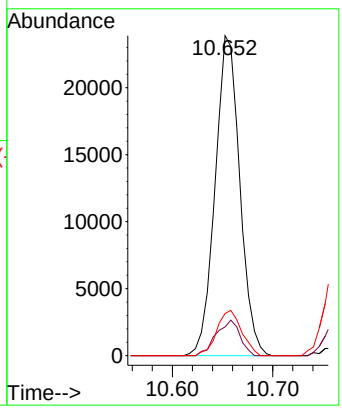




#31
Naphthalene
Concen: 9.512 ng
RT: 10.652 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:128 Resp: 4085

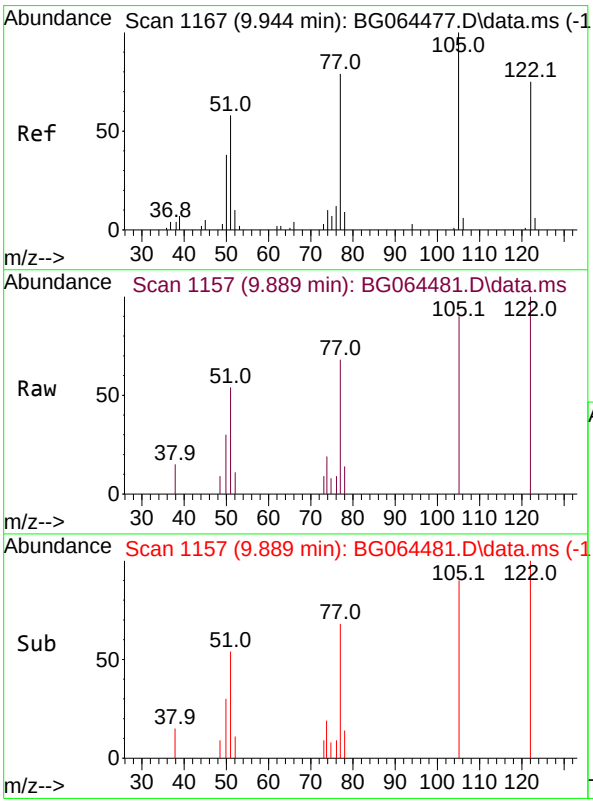
Ion	Ratio	Lower	Upper
128	100		
129	9.0	8.7	13.1
127	13.2	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

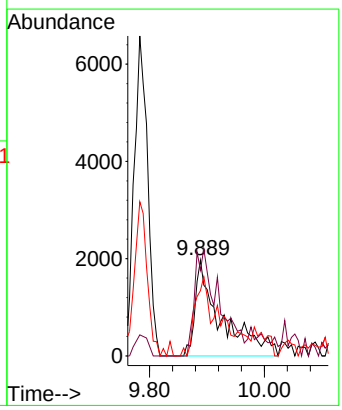
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

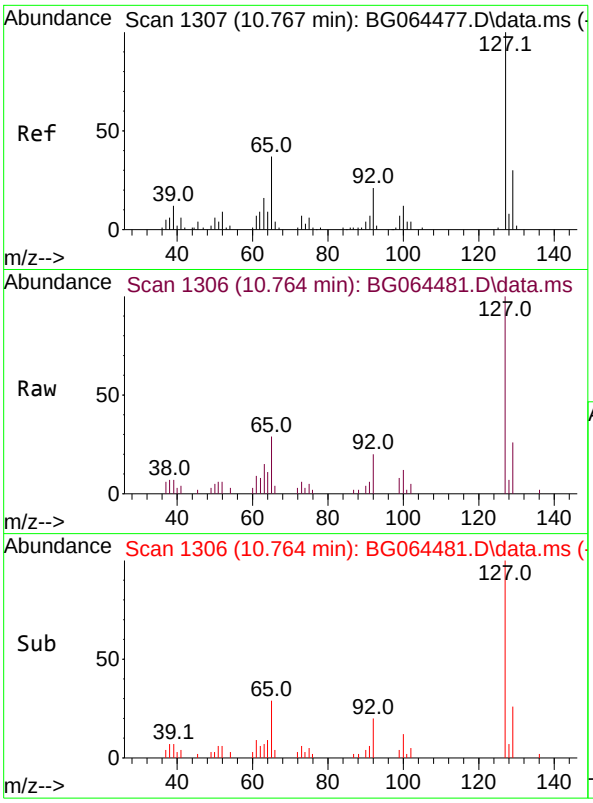


#32
Benzoic acid
Concen: 6.894 ng m
RT: 9.889 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:122 Resp: 6224

Ion	Ratio	Lower	Upper
122	100		
105	89.5	113.9	153.9#
77	68.1	86.1	126.1#

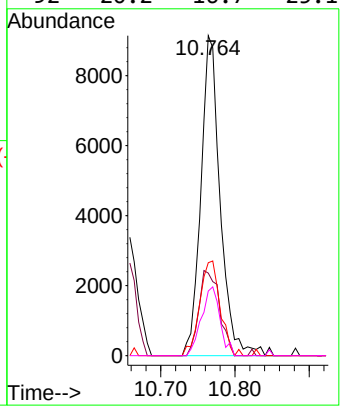




#33
4-Chloroaniline
Concen: 10.065 ng
RT: 10.764 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:127 Resp: 1658

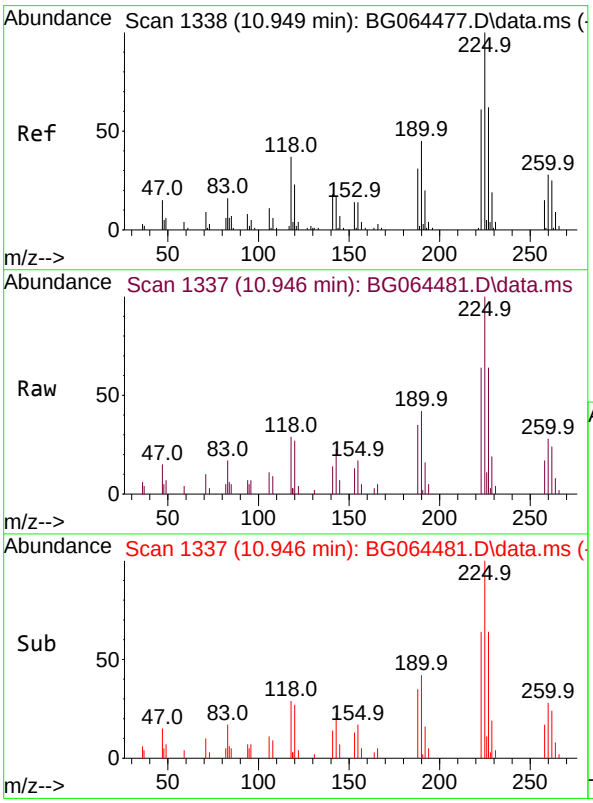
Ion	Ratio	Lower	Upper
127	100		
129	25.8	24.2	36.4
65	29.0	29.6	44.4#
92	20.2	16.7	25.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

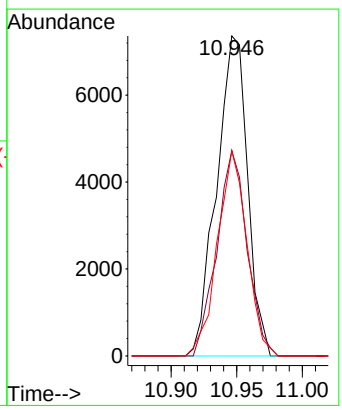
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

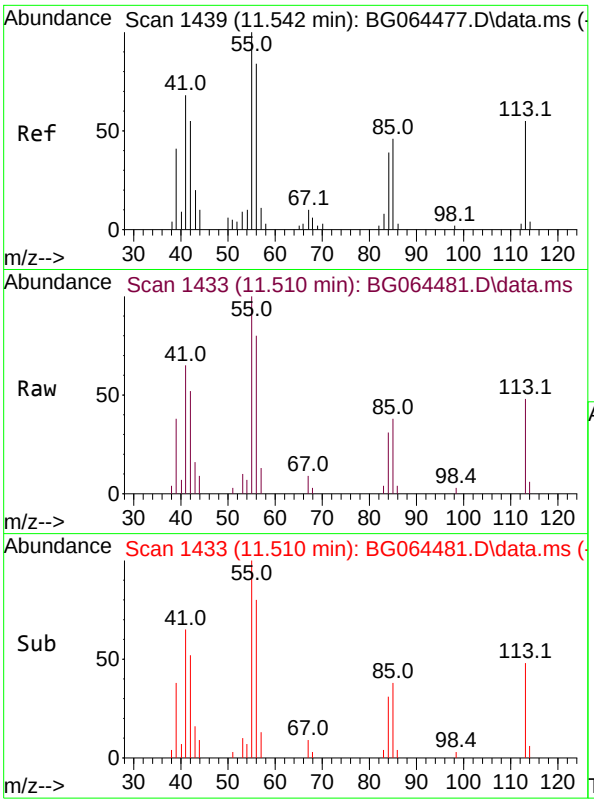


#34
Hexachlorobutadiene
Concen: 9.503 ng
RT: 10.946 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:225 Resp: 12067

Ion	Ratio	Lower	Upper
225	100		
223	64.1	49.0	73.6
227	64.1	49.9	74.9

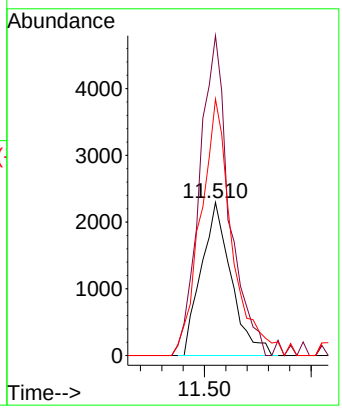




#35
Caprolactam
Concen: 9.648 ng
RT: 11.510 min Scan# 14
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:113 Resp: 4491

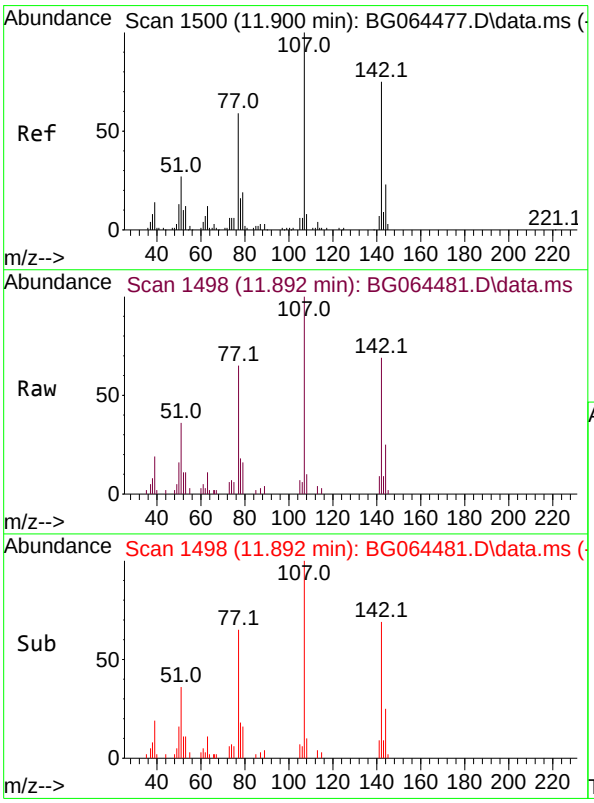
Ion	Ratio	Lower	Upper
113	100		
55	209.0	162.0	202.0#
56	167.6	134.6	174.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

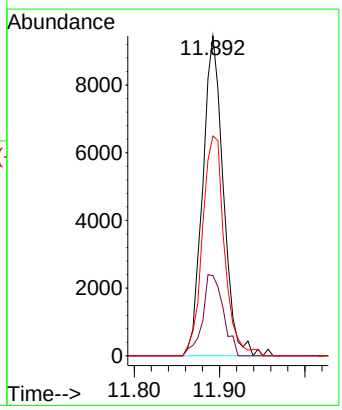
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

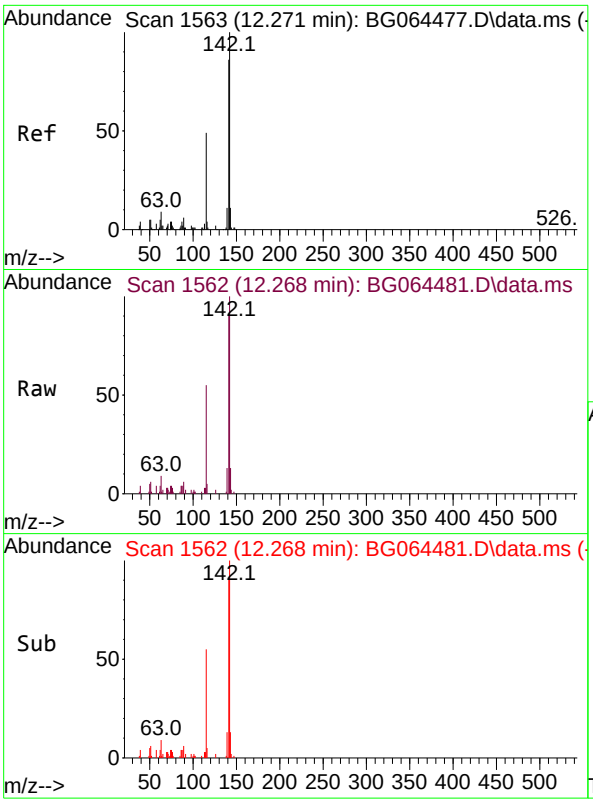


#36
4-Chloro-3-methylphenol
Concen: 9.597 ng
RT: 11.892 min Scan# 1498
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:107 Resp: 15870

Ion	Ratio	Lower	Upper
107	100		
144	25.1	18.7	28.1
142	68.7	60.2	90.2

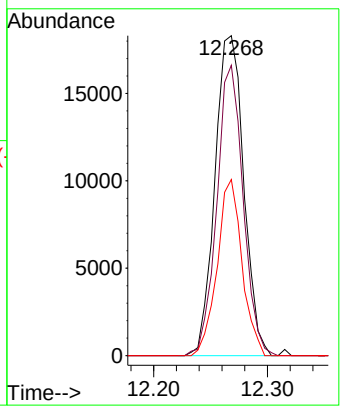




#37
2-Methylnaphthalene
Concen: 9.749 ng
RT: 12.268 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:142 Resp: 3214

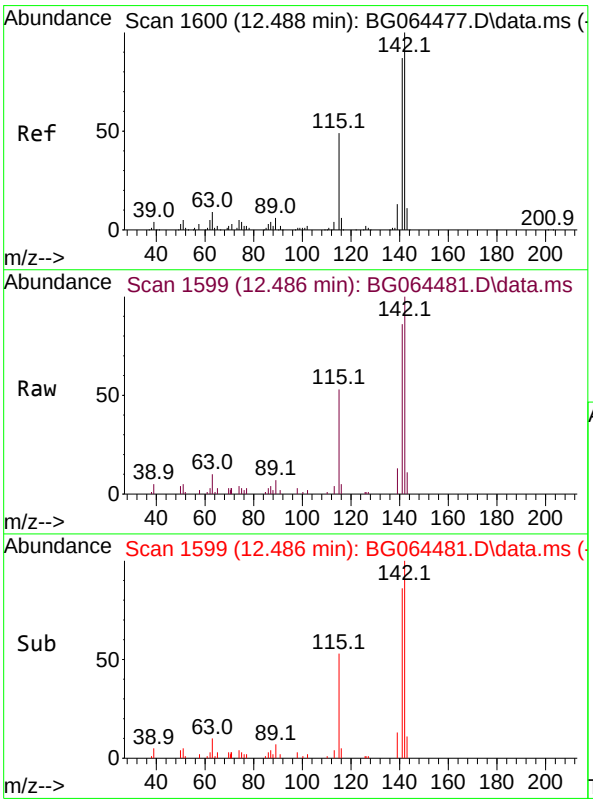
Ion	Ratio	Lower	Upper
142	100		
141	90.7	68.7	103.1
115	55.0	39.3	58.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

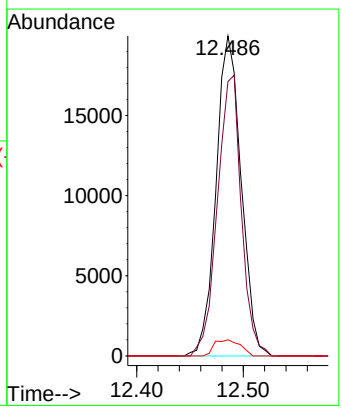
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

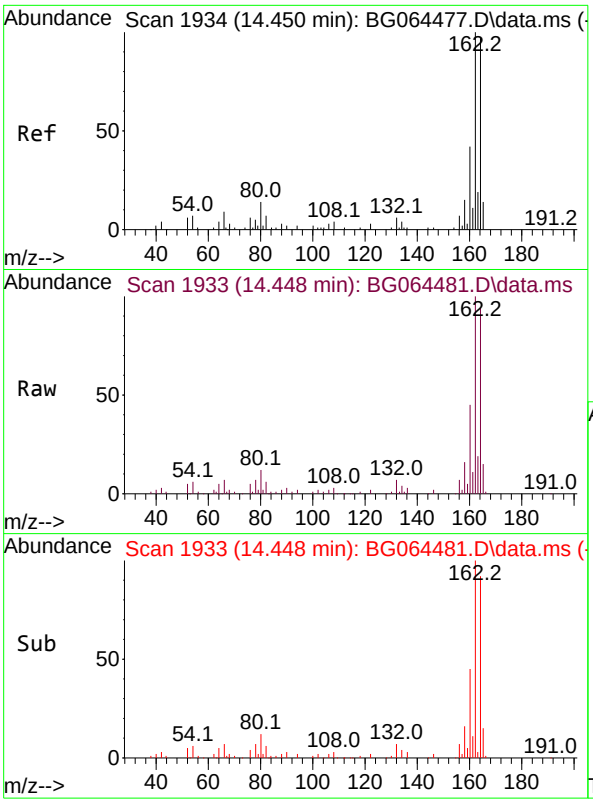


#38
1-Methylnaphthalene
Concen: 9.921 ng
RT: 12.486 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:142 Resp: 32614

Ion	Ratio	Lower	Upper
142	100		
141	85.7	69.8	104.8
116	5.1	4.6	6.8

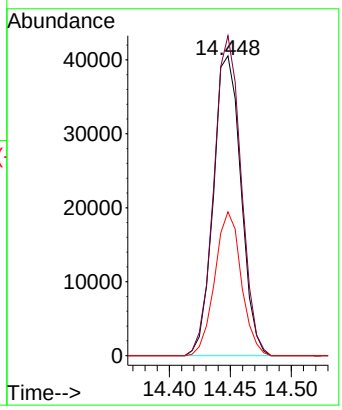




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.448 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:164 Resp: 6348

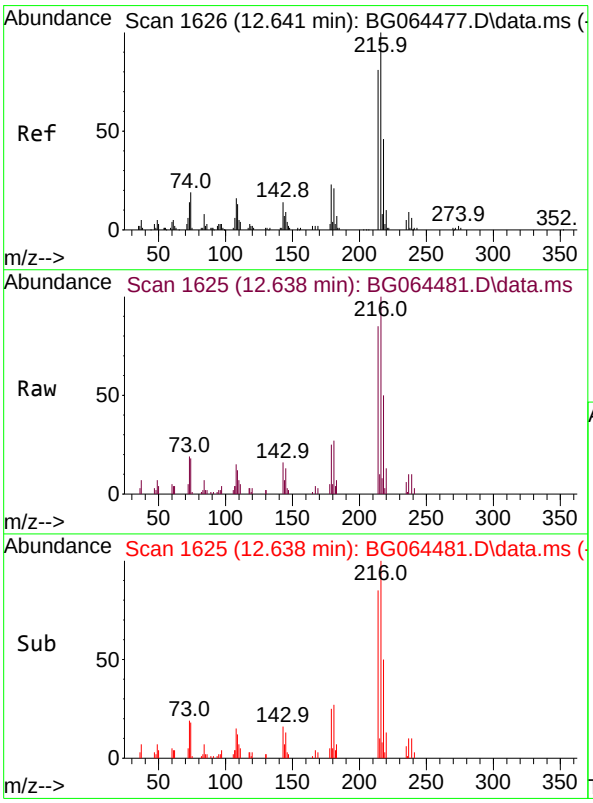
Ion	Ratio	Lower	Upper
164	100		
162	106.7	82.2	123.2
160	48.0	34.3	51.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

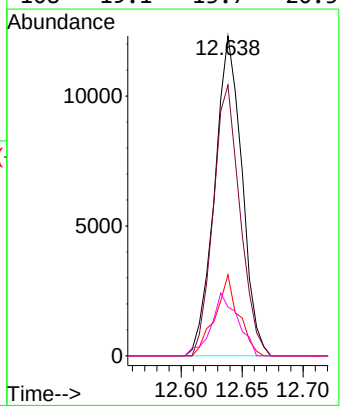
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

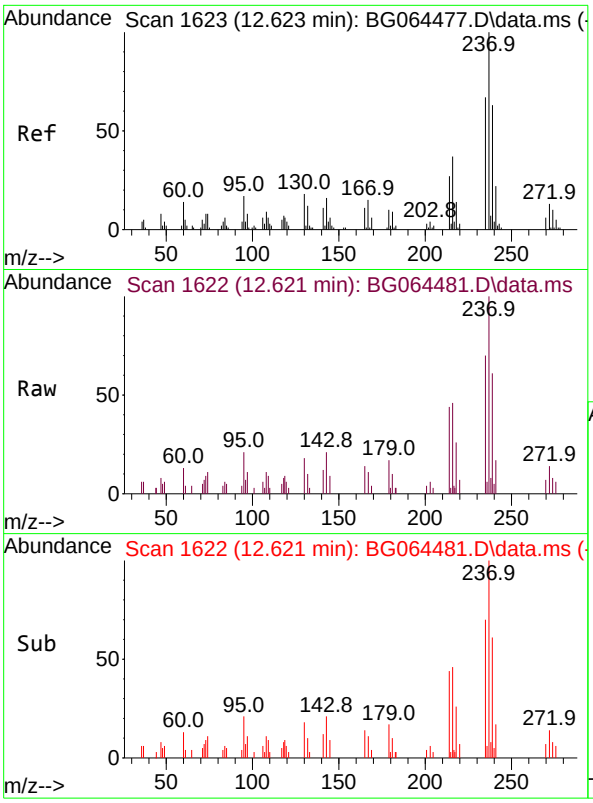


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.354 ng
RT: 12.638 min Scan# 1625
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:216 Resp: 19175

Ion	Ratio	Lower	Upper
216	100		
214	82.9	62.5	93.7
179	21.7	17.0	25.6
108	19.1	13.7	20.5





#41
Hexachlorocyclopentadiene
Concen: 8.249 ng
RT: 12.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

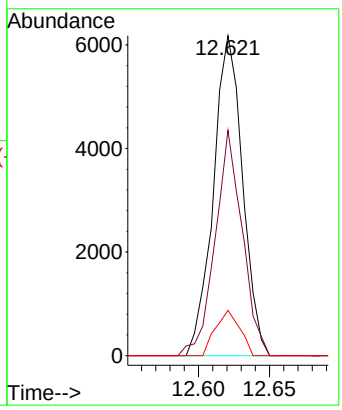
Tgt Ion:237 Resp: 884

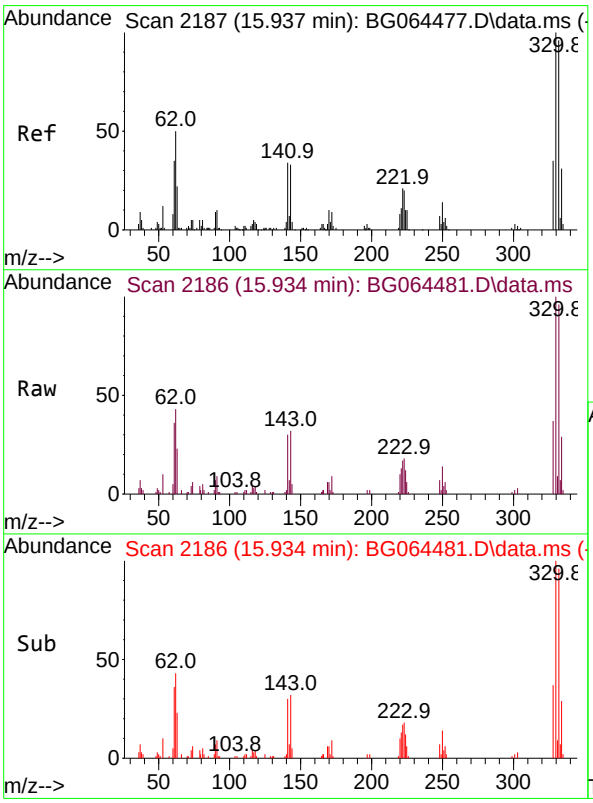
Ion	Ratio	Lower	Upper
237	100		
235	70.4	46.9	86.9
272	14.1	0.0	32.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

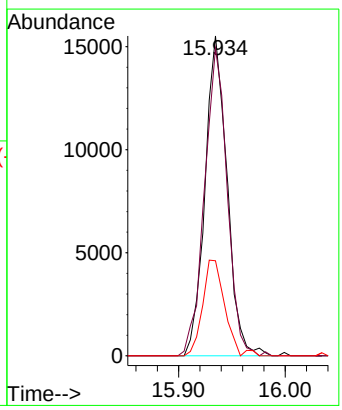


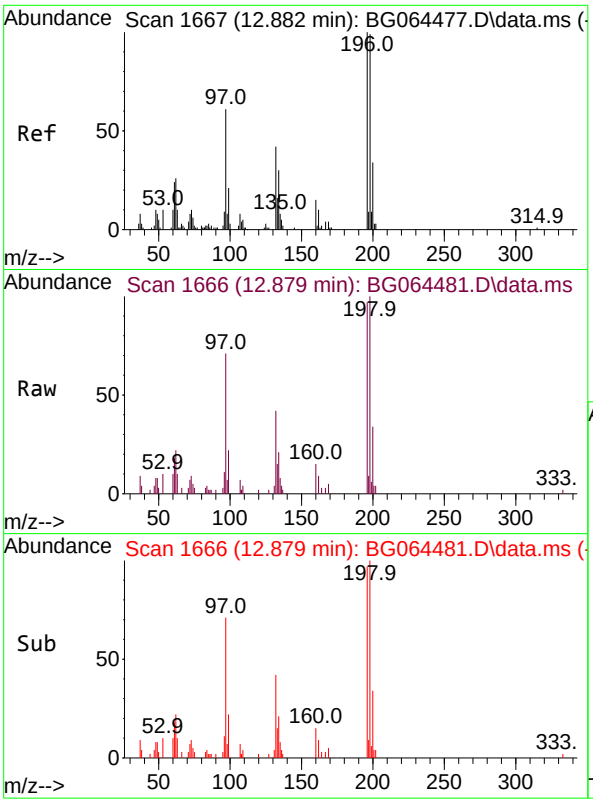


#42
2,4,6-Tribromophenol
Concen: 19.423 ng
RT: 15.934 min Scan# 2186
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:330 Resp: 22352

Ion	Ratio	Lower	Upper
330	100		
332	98.9	77.4	116.0
141	30.0	25.8	38.6





#43
2,4,6-Trichlorophenol
Concen: 9.457 ng
RT: 12.879 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

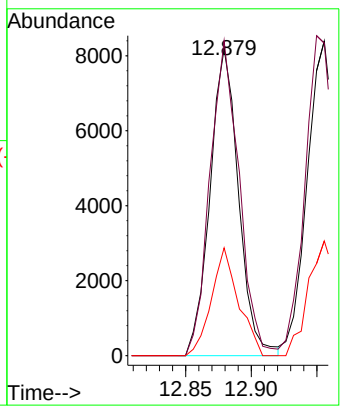
Tgt Ion:196 Resp: 1239

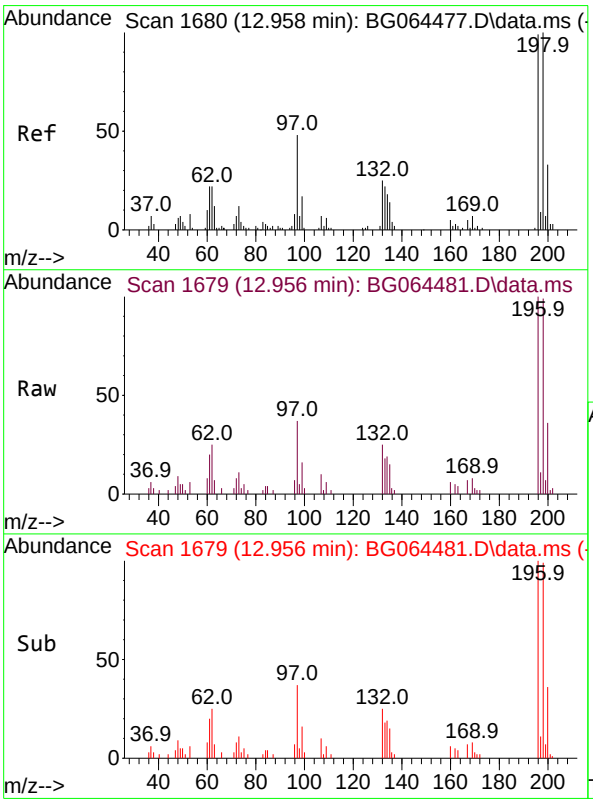
Ion	Ratio	Lower	Upper
196	100		
198	102.6	79.3	118.9
200	39.2	27.4	41.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

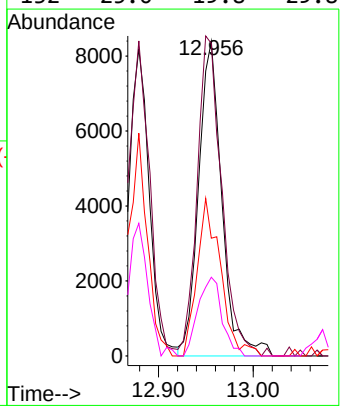


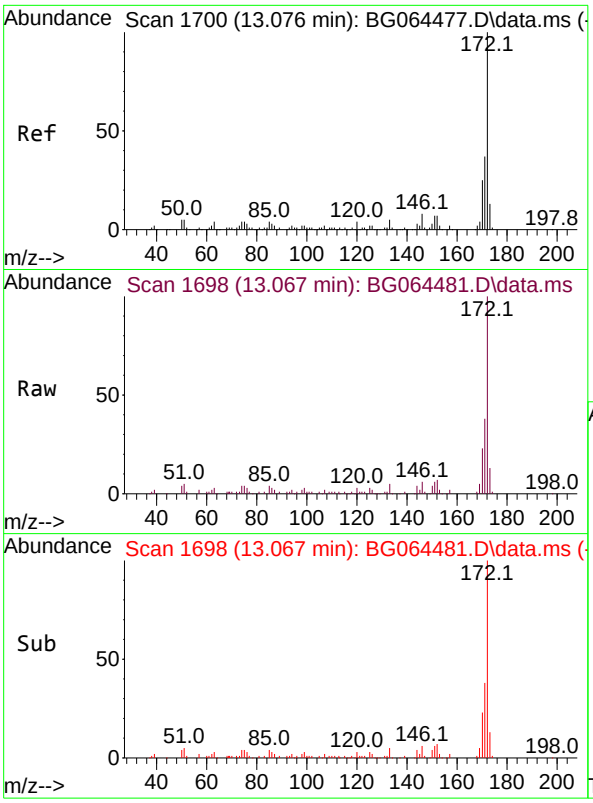


#44
2,4,5-Trichlorophenol
Concen: 9.806 ng
RT: 12.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:196 Resp: 14346

Ion	Ratio	Lower	Upper
196	100		
198	99.3	80.3	120.5
97	37.4	39.4	59.0#
132	25.0	19.8	29.8





#45
2-Fluorobiphenyl
Concen: 19.718 ng
RT: 13.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

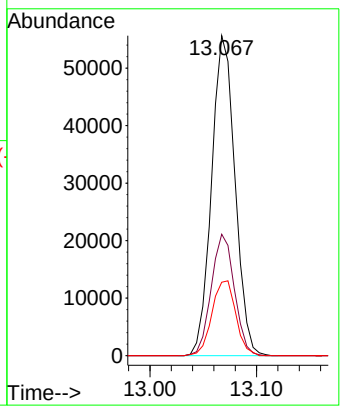
Tgt Ion:172 Resp: 8492

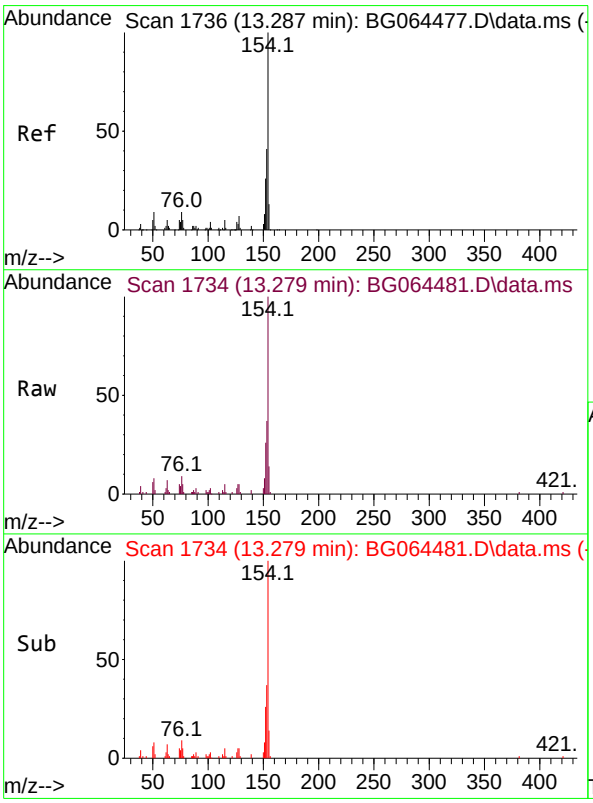
Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.6	44.4
170	22.9	20.2	30.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

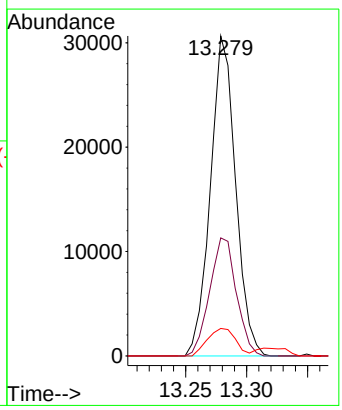


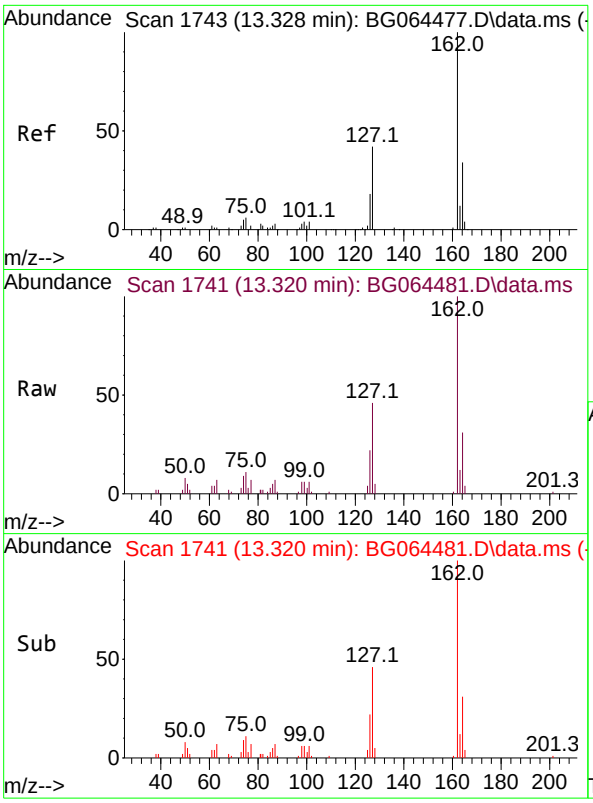


#46
1,1'-Biphenyl
Concen: 9.648 ng
RT: 13.279 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:154 Resp: 44053

Ion	Ratio	Lower	Upper
154	100		
153	36.9	20.7	60.7
76	8.6	0.0	29.3

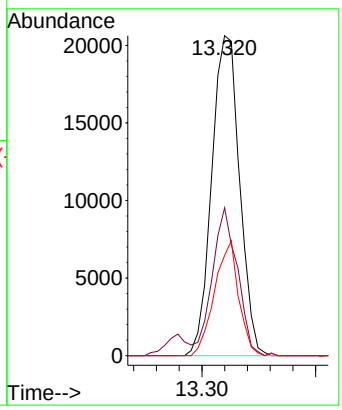




#47
2-Chloronaphthalene
Concen: 10.281 ng
RT: 13.320 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:162 Resp: 3505

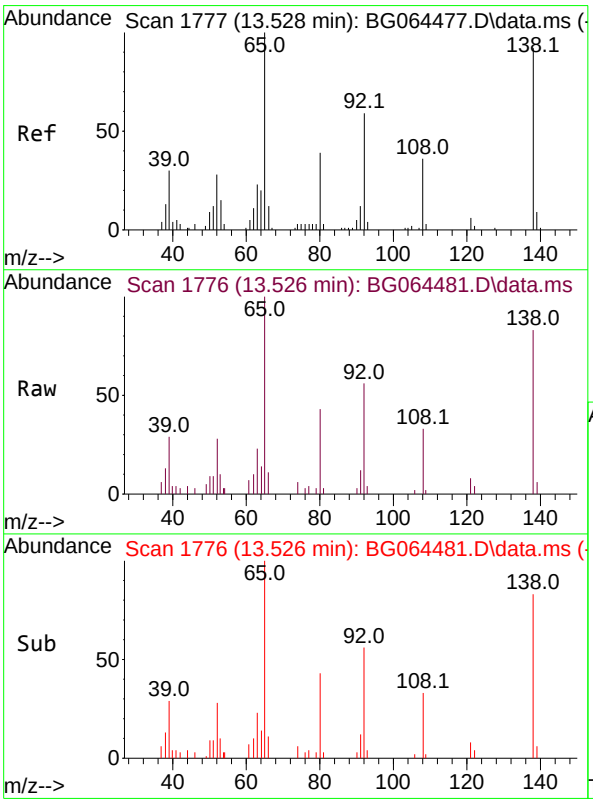
Ion	Ratio	Lower	Upper
162	100		
127	46.2	35.8	53.8
164	31.3	27.2	40.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

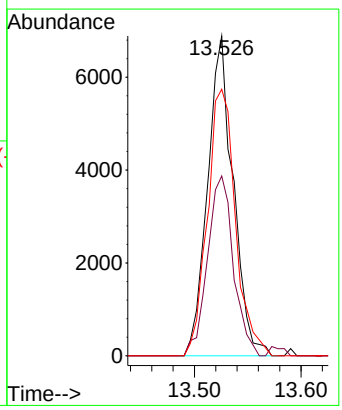
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

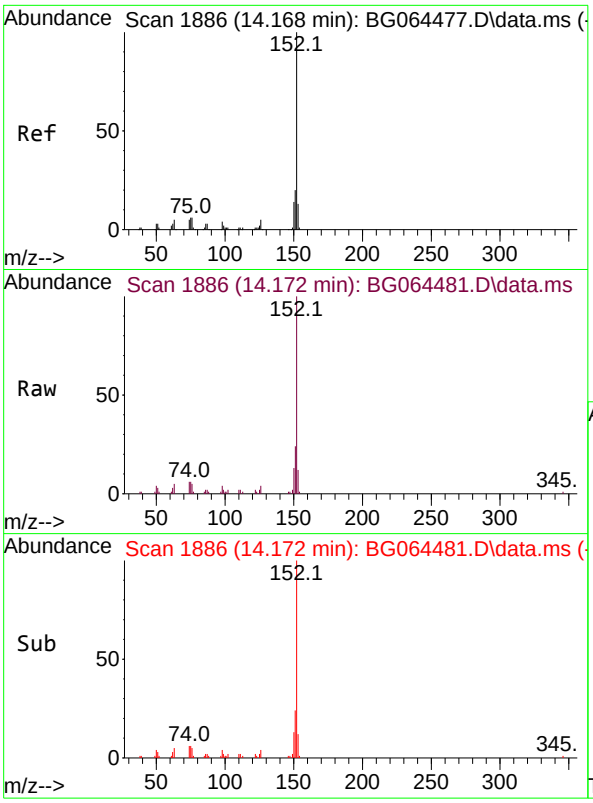


#48
2-Nitroaniline
Concen: 9.868 ng
RT: 13.526 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 65 Resp: 11482

Ion	Ratio	Lower	Upper
65	100		
92	56.2	47.0	70.6
138	83.3	73.5	110.3

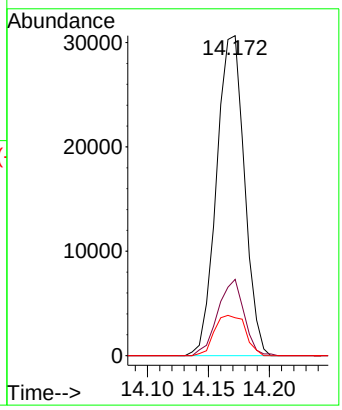




#49
Acenaphthylene
Concen: 9.624 ng
RT: 14.172 min Scan# 18
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:152 Resp: 4870

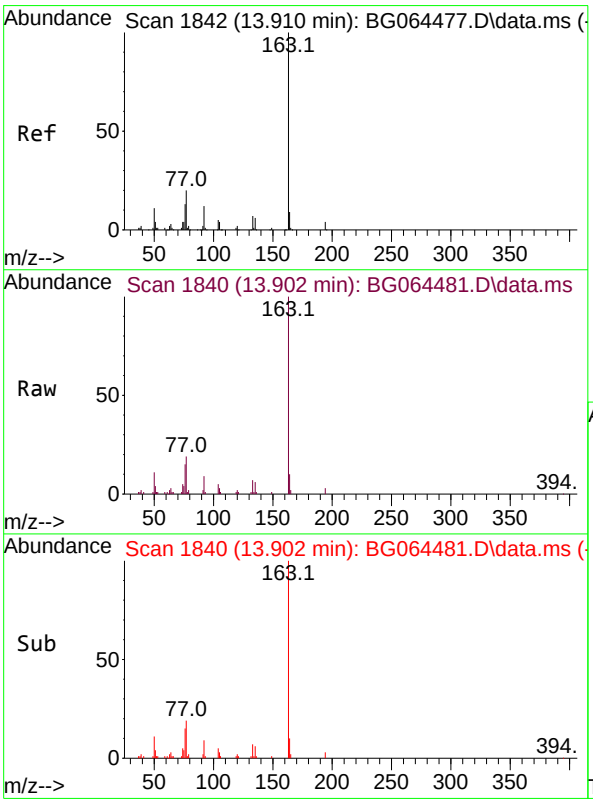
Ion	Ratio	Lower	Upper
152	100		
151	23.8	15.8	23.6
153	11.8	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

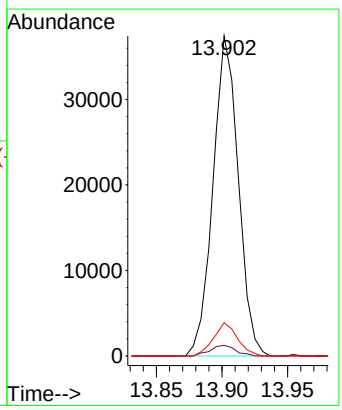
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

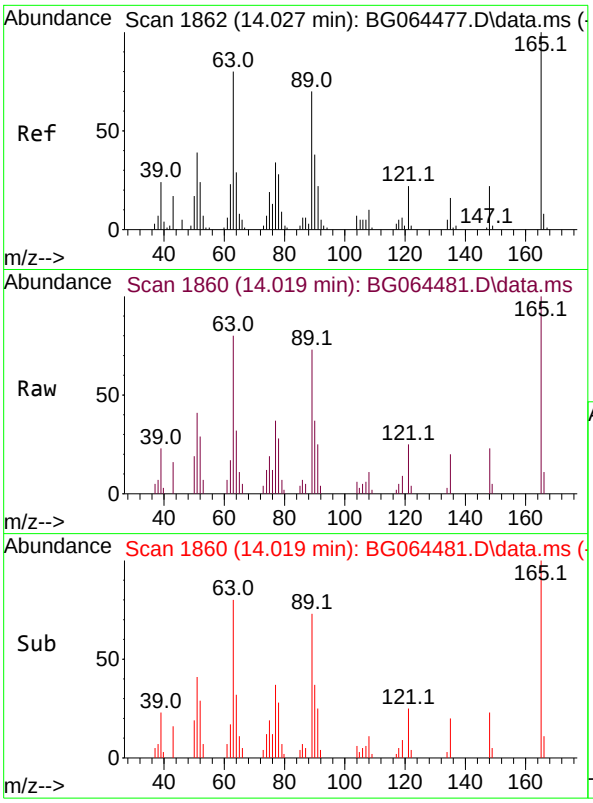


#50
Dimethylphthalate
Concen: 10.110 ng
RT: 13.902 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:163 Resp: 50268

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.9	4.3
164	10.4	7.4	11.0

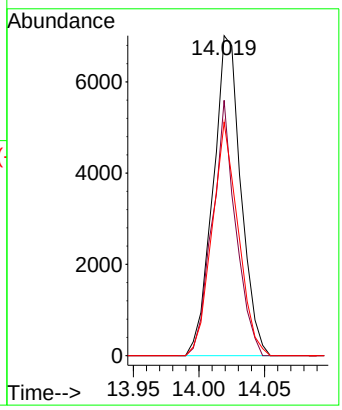




#51
2,6-Dinitrotoluene
Concen: 9.980 ng
RT: 14.019 min Scan# 18
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:165 Resp: 1033

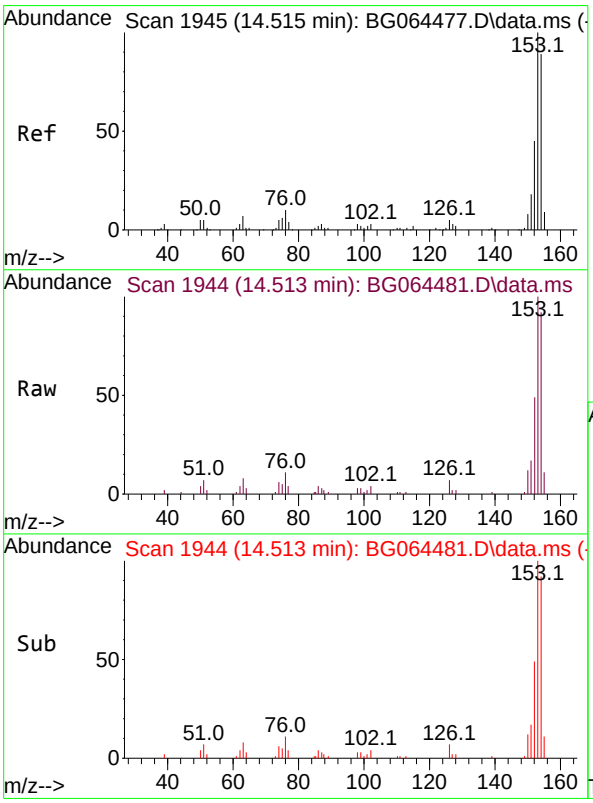
Ion	Ratio	Lower	Upper
165	100		
63	79.8	63.9	95.9
89	73.0	56.1	84.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

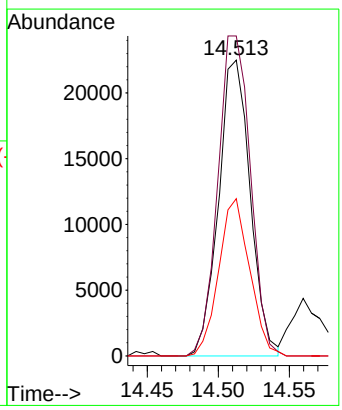
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

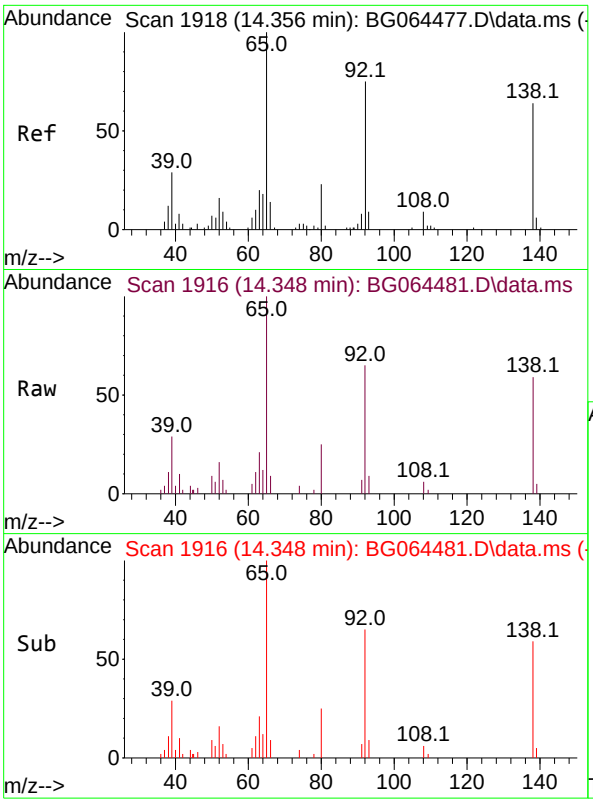


#52
Acenaphthene
Concen: 9.922 ng
RT: 14.513 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:154 Resp: 34887

Ion	Ratio	Lower	Upper
154	100		
153	108.2	90.2	135.4
152	53.2	40.2	60.4

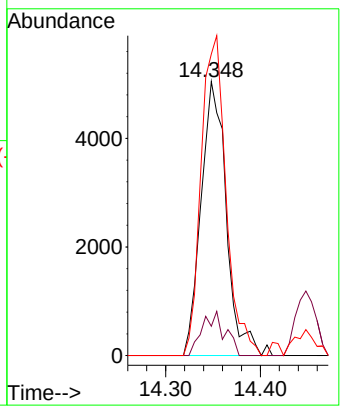




#53
3-Nitroaniline
Concen: 9.780 ng
RT: 14.348 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:138 Resp: 934

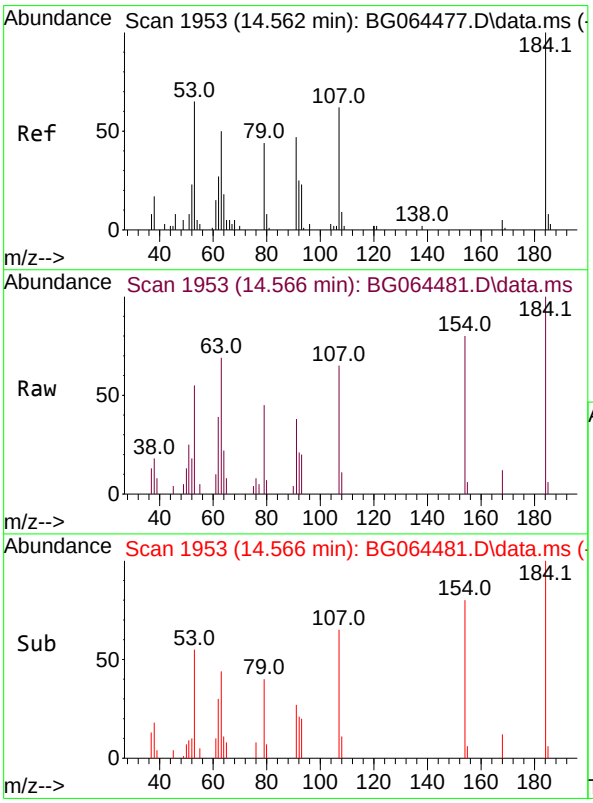
Ion	Ratio	Lower	Upper
138	100		
108	10.7	10.6	15.8
92	110.1	93.2	139.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

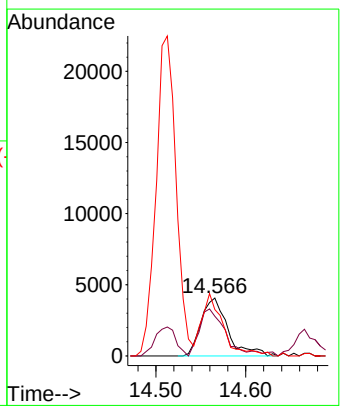
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

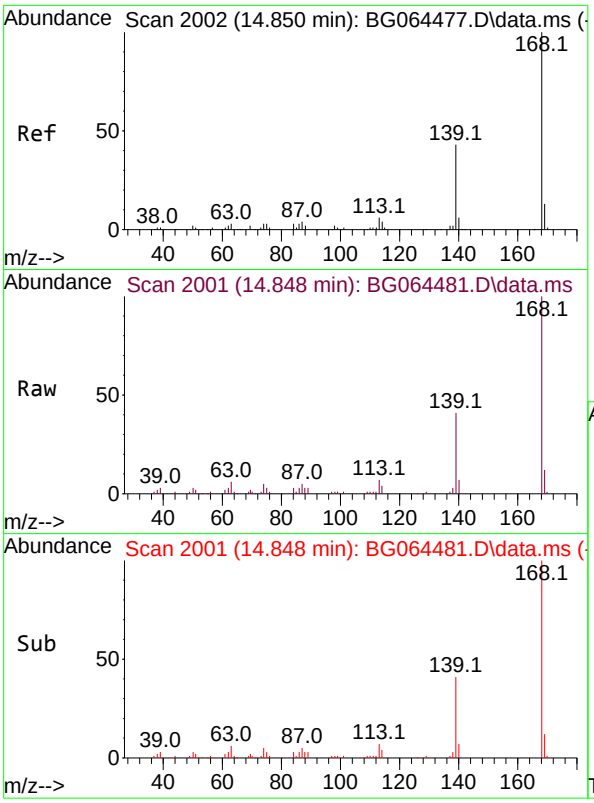


#54
2,4-Dinitrophenol
Concen: 11.216 ng
RT: 14.566 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:184 Resp: 8424

Ion	Ratio	Lower	Upper
184	100		
63	68.6	69.0	103.4#
154	80.0	95.6	143.4#

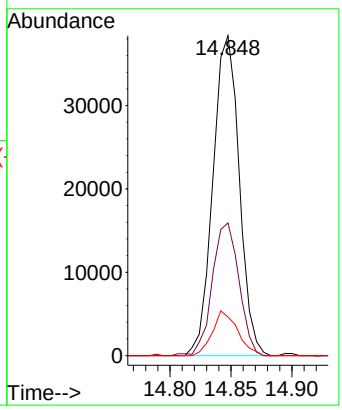




#55
Dibenzofuran
Concen: 9.897 ng
RT: 14.848 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:168 Resp: 5745

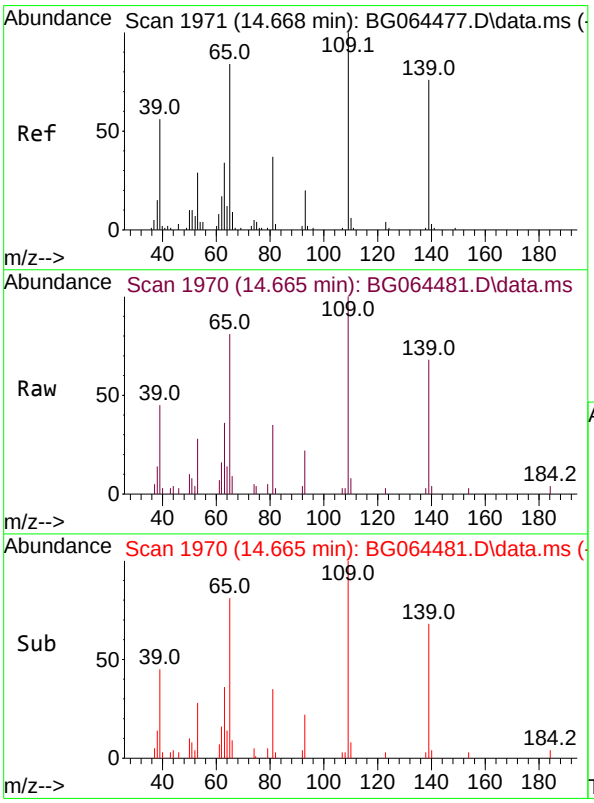
Ion	Ratio	Lower	Upper
168	100		
139	41.5	34.0	51.0
169	12.1	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

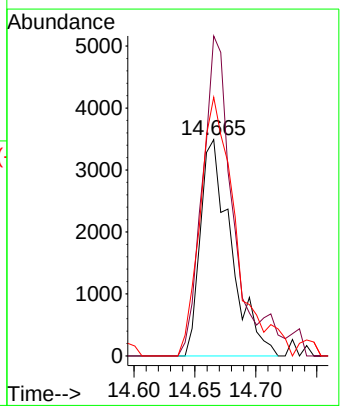
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

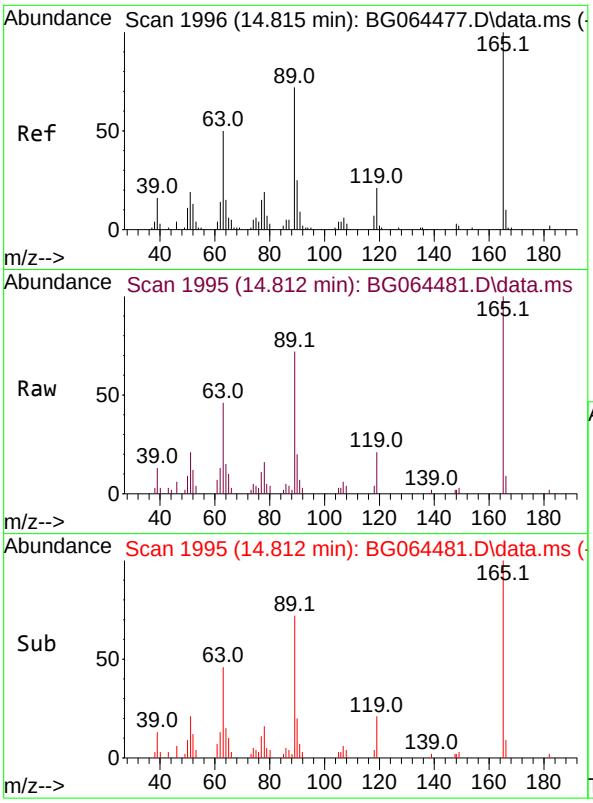


#56
4-Nitrophenol
Concen: 8.116 ng
RT: 14.665 min Scan# 1970
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:139 Resp: 6104

Ion	Ratio	Lower	Upper
139	100		
109	148.0	111.8	151.8
65	119.6	91.1	131.1

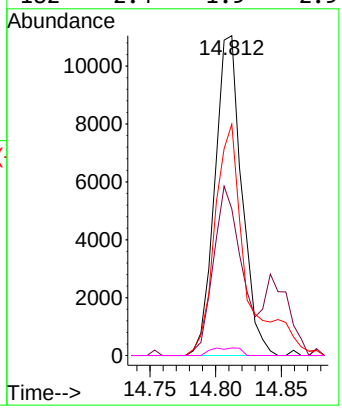




#57
2,4-Dinitrotoluene
Concen: 10.006 ng
RT: 14.812 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:165 Resp: 1584

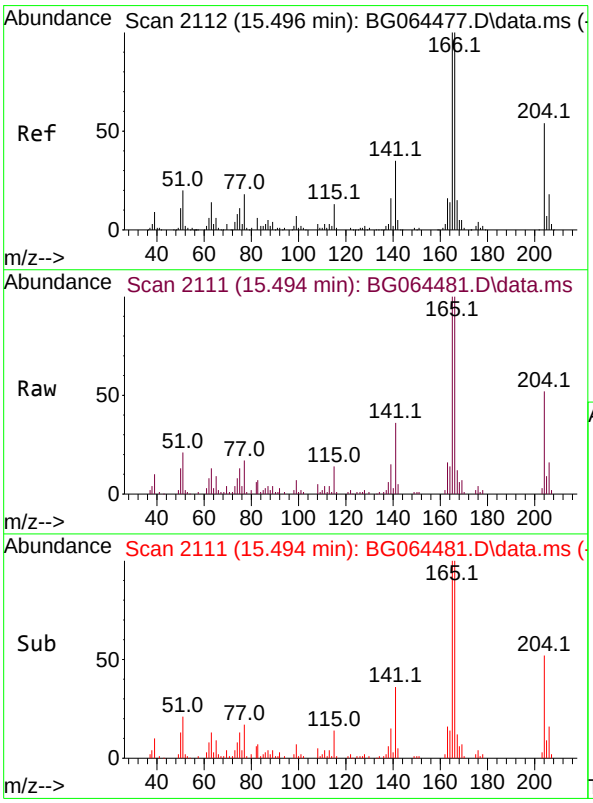
Ion	Ratio	Lower	Upper
165	100		
63	45.8	40.4	60.6
89	72.3	57.3	85.9
182	2.4	1.9	2.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

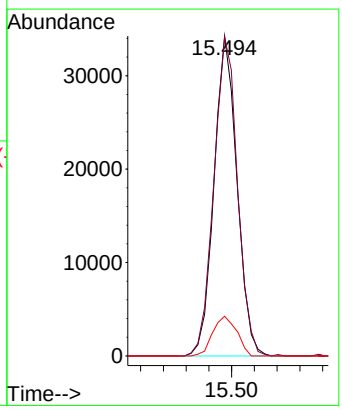
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

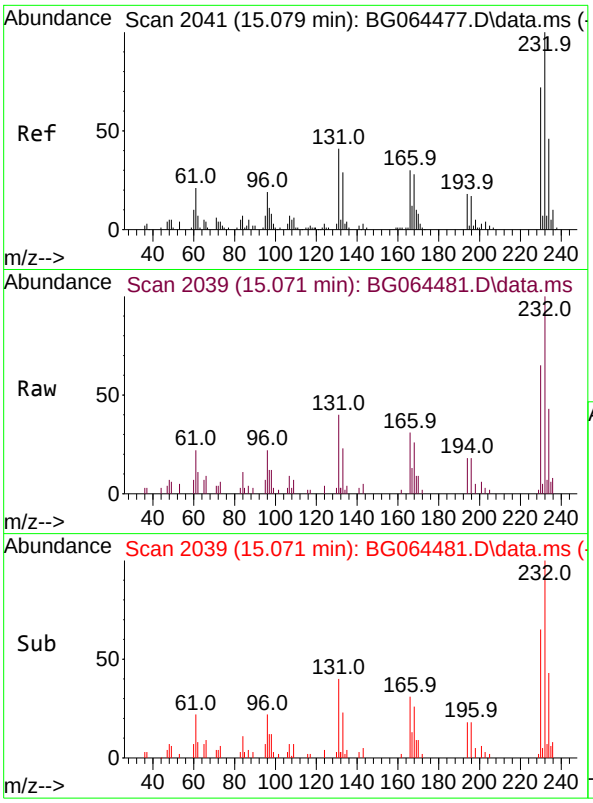


#58
Fluorene
Concen: 9.937 ng
RT: 15.494 min Scan# 2111
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:166 Resp: 47958

Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.8	119.6
167	12.4	11.7	17.5

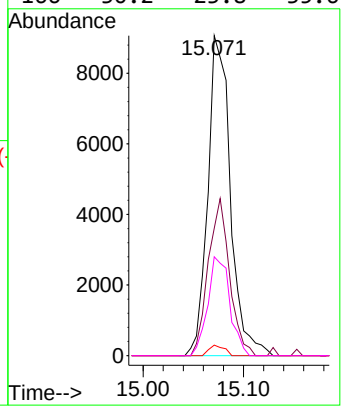




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.514 ng
RT: 15.071 min Scan# 20
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:232 Resp: 1420

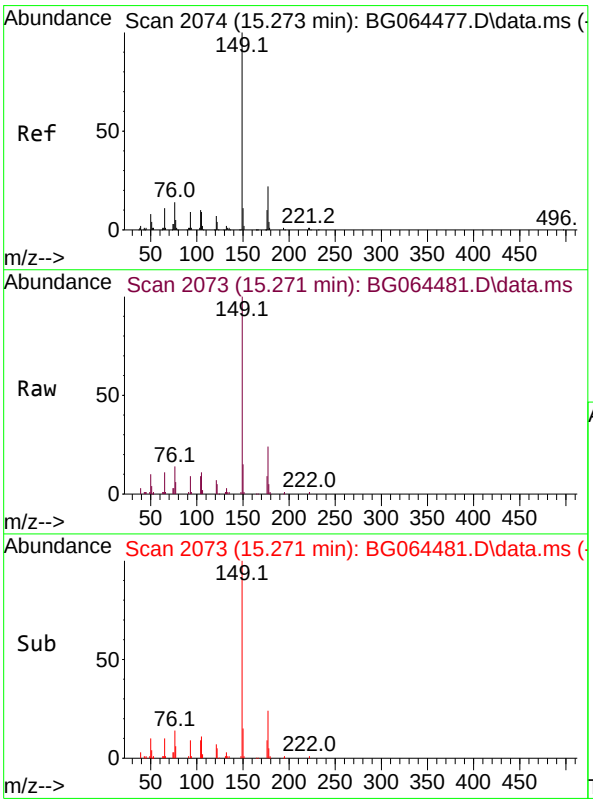
Ion	Ratio	Lower	Upper
232	100		
131	46.2	35.0	52.4
130	2.2	2.0	3.0
166	30.2	23.8	35.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

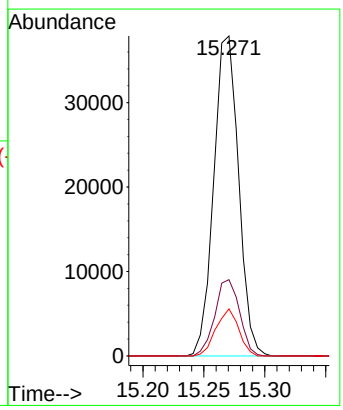
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

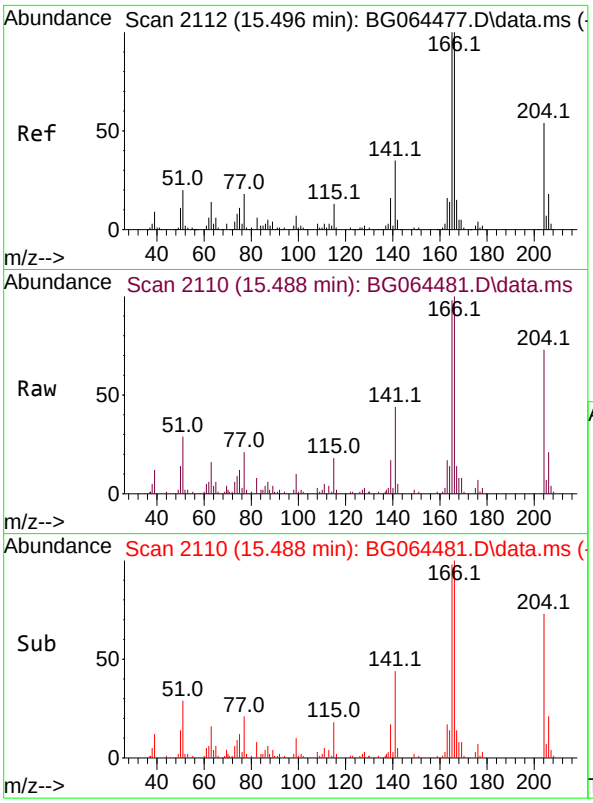


#60
Diethylphthalate
Concen: 10.066 ng
RT: 15.271 min Scan# 2073
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:149 Resp: 53695

Ion	Ratio	Lower	Upper
149	100		
177	23.8	17.4	26.0
150	14.7	9.1	13.7#

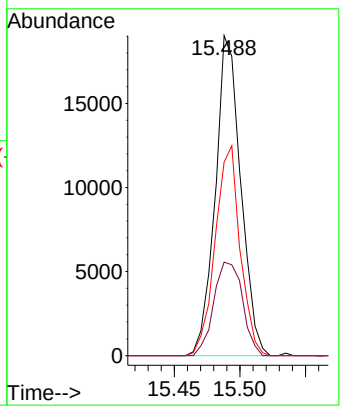




#61
4-Chlorophenyl-phenylether
Concen: 9.742 ng
RT: 15.488 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:204 Resp: 2566

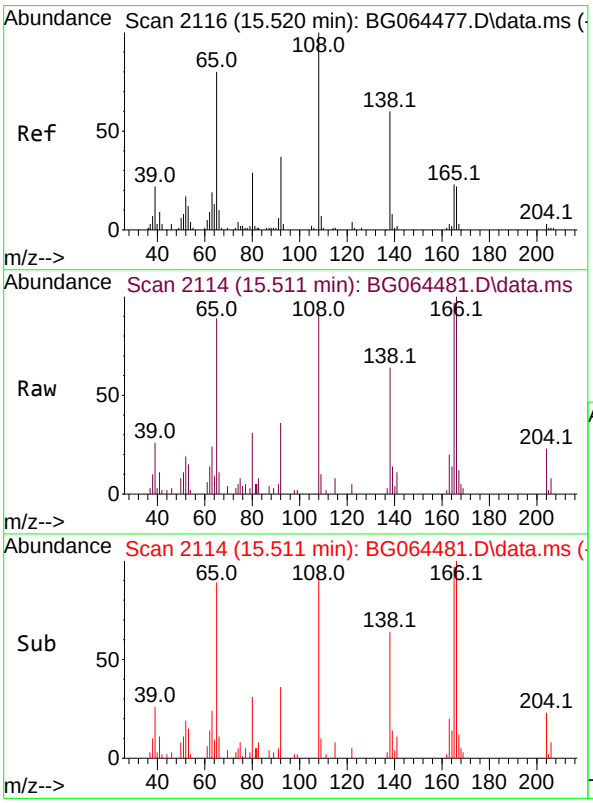
Ion	Ratio	Lower	Upper
204	100		
206	29.2	27.1	40.7
141	60.5	51.5	77.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

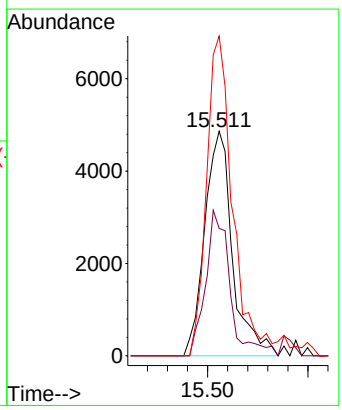
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

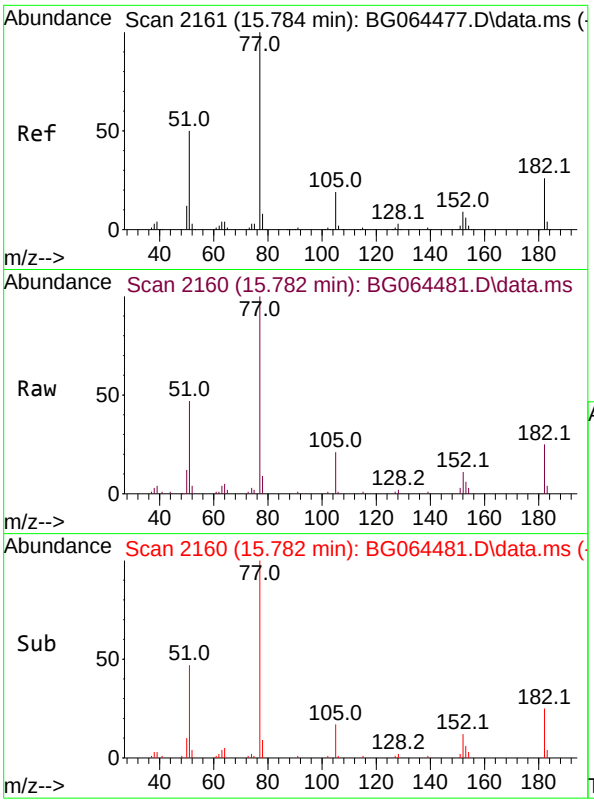


#62
4-Nitroaniline
Concen: 9.431 ng
RT: 15.511 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:138 Resp: 9390

Ion	Ratio	Lower	Upper
138	100		
92	56.8	42.3	82.3
108	142.5	147.7	187.7#

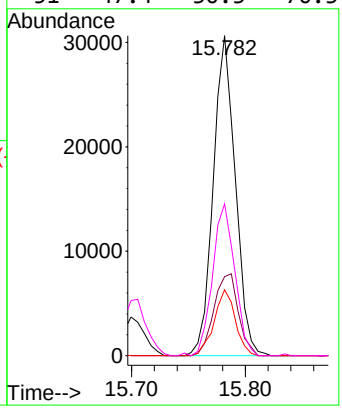




#63
Azobenzene
Concen: 9.982 ng
RT: 15.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 77 Resp: 4123

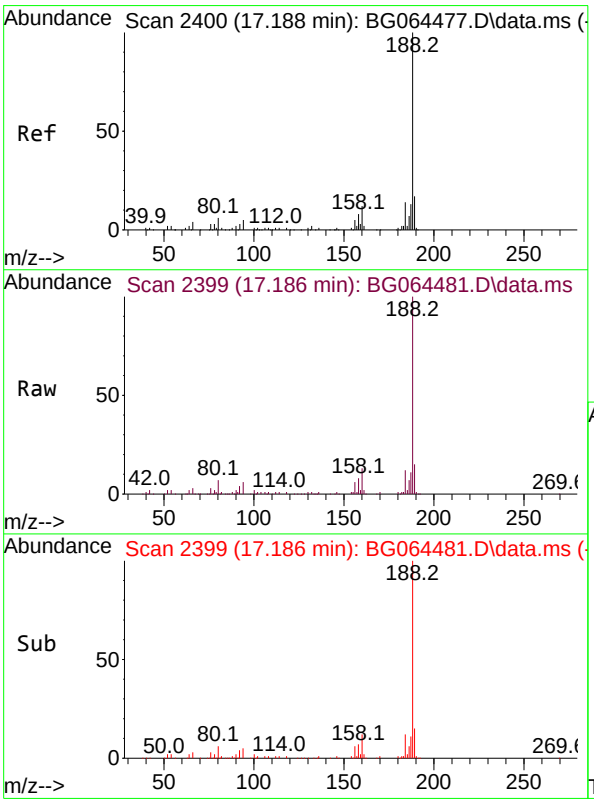
Ion	Ratio	Lower	Upper
77	100		
182	24.7	6.3	46.3
105	20.6	0.0	38.7
51	47.4	30.3	70.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

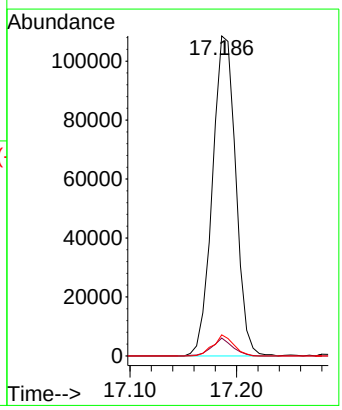
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

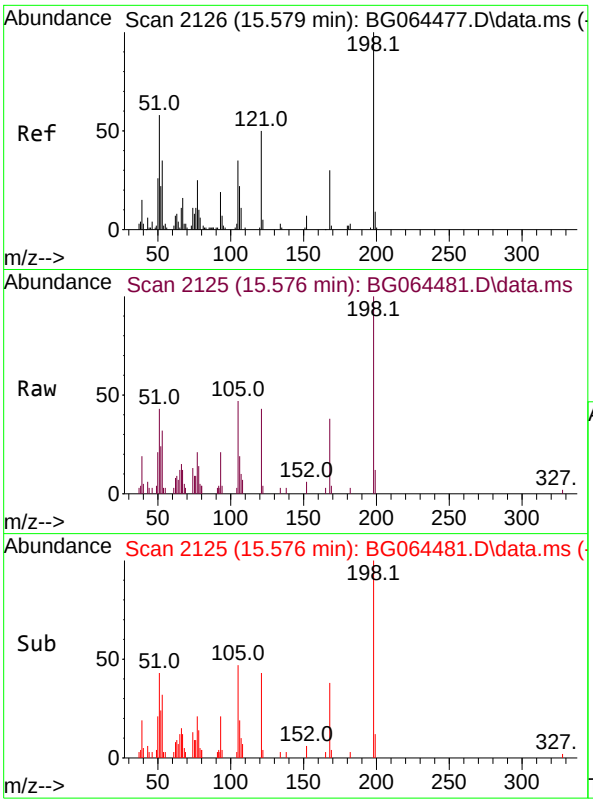


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2399
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:188 Resp: 165339

Ion	Ratio	Lower	Upper
188	100		
94	5.6	3.7	5.5#
80	6.6	4.5	6.7

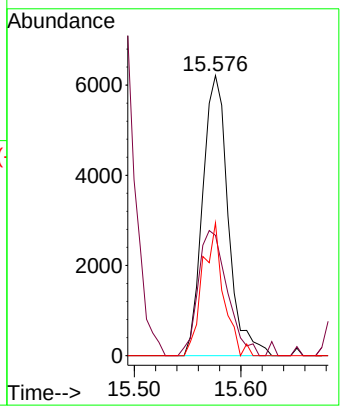




#65
4,6-Dinitro-2-methylphenol
Concen: 8.960 ng
RT: 15.576 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:198 Resp: 1031

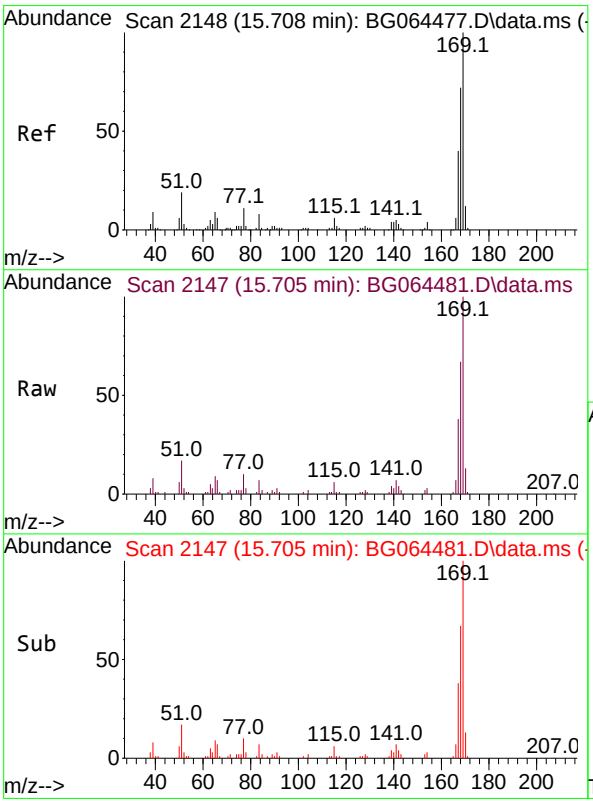
Ion	Ratio	Lower	Upper
198	100		
51	42.9	39.0	79.0
105	47.4	15.8	55.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

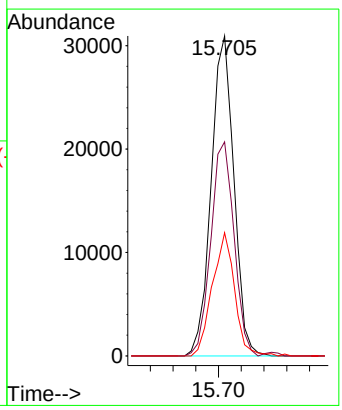
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

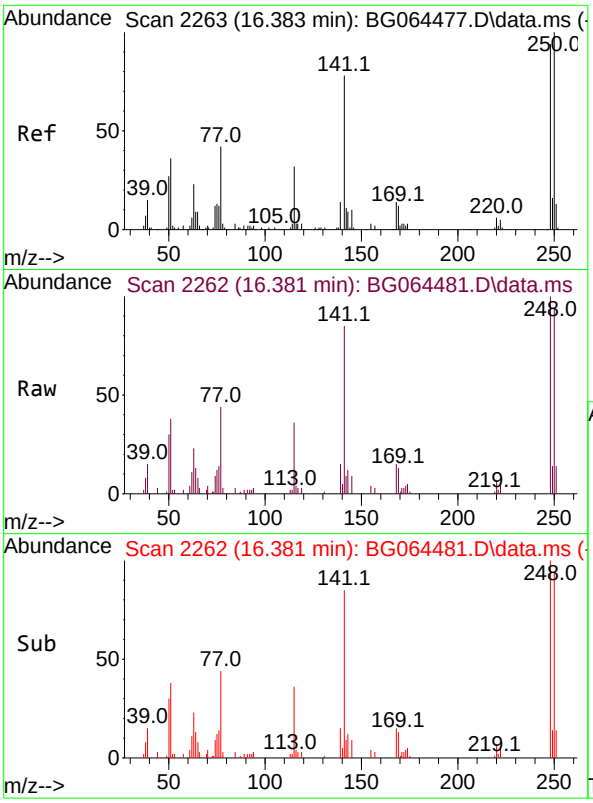


#66
n-Nitrosodiphenylamine
Concen: 9.712 ng
RT: 15.705 min Scan# 2147
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:169 Resp: 42881

Ion	Ratio	Lower	Upper
169	100		
168	66.9	57.8	86.6
167	38.5	31.7	47.5

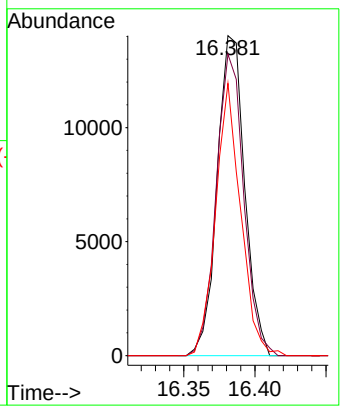




#67
4-Bromophenyl-phenylether
Concen: 9.731 ng
RT: 16.381 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:248 Resp: 1893

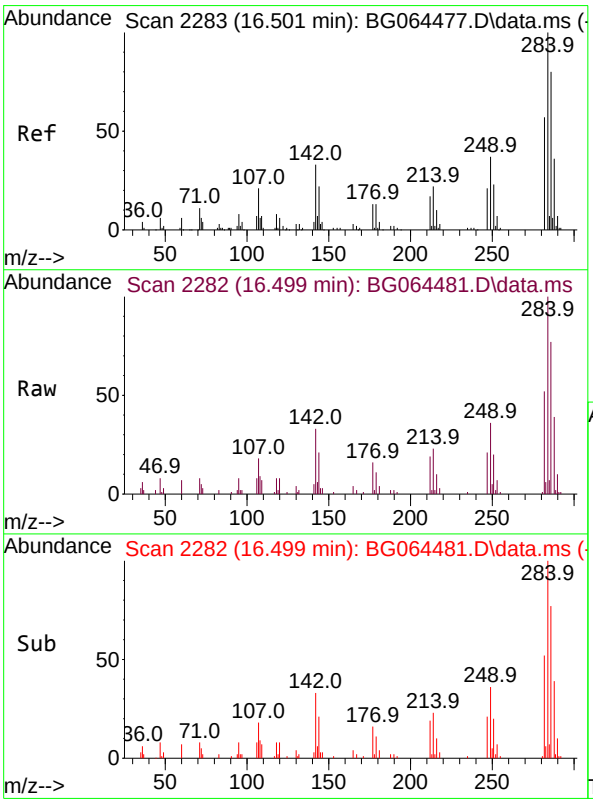
Ion	Ratio	Lower	Upper
248	100		
250	94.2	85.3	127.9
141	85.1	66.2	99.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

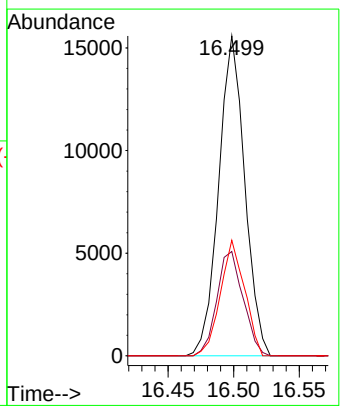
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

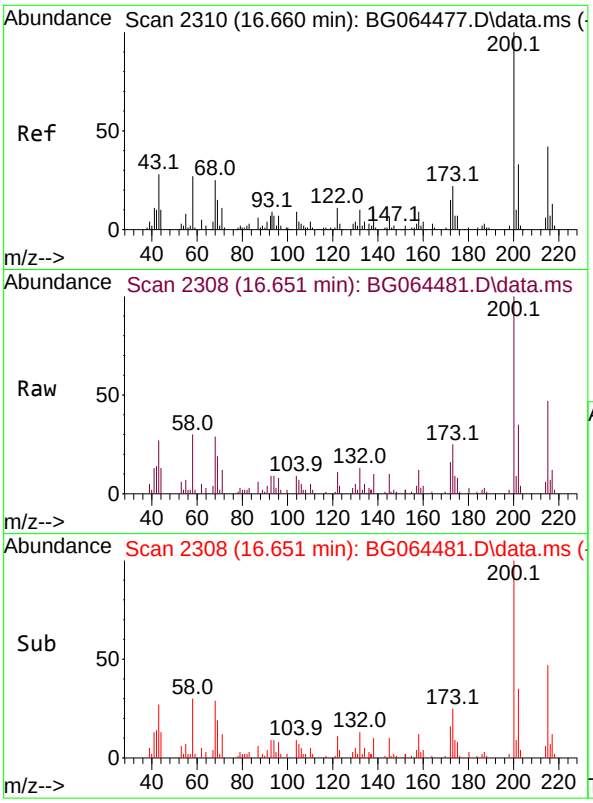


#68
Hexachlorobenzene
Concen: 9.676 ng
RT: 16.499 min Scan# 2282
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:284 Resp: 21542

Ion	Ratio	Lower	Upper
284	100		
142	32.6	26.2	39.2
249	36.1	29.4	44.0

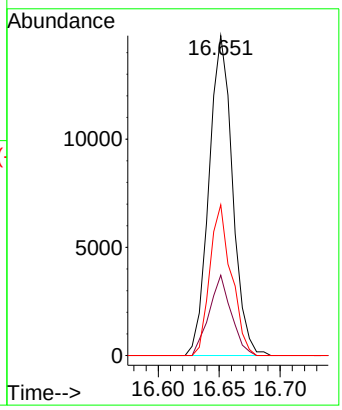




#69
Atrazine
Concen: 10.119 ng
RT: 16.651 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:200 Resp: 1987

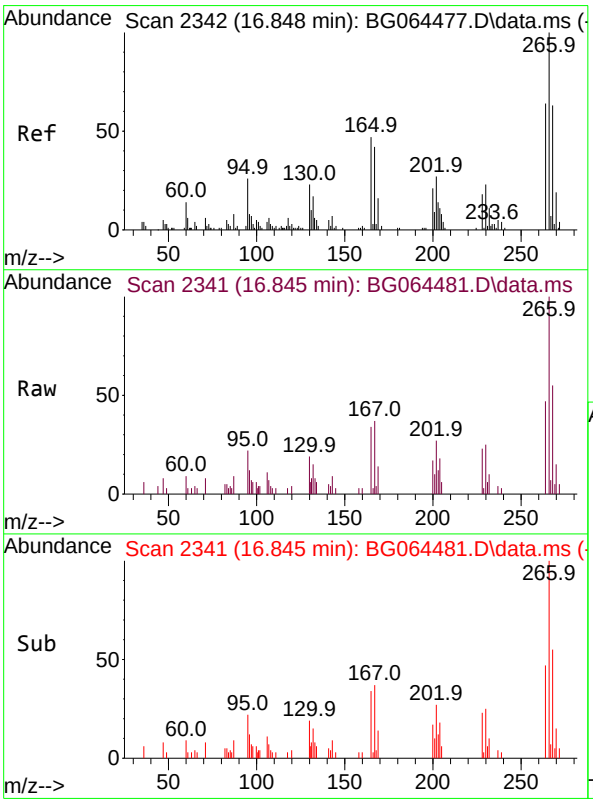
Ion	Ratio	Lower	Upper
200	100		
173	25.1	2.5	42.5
215	47.1	21.5	61.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

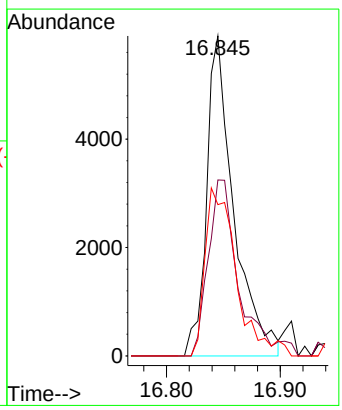
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

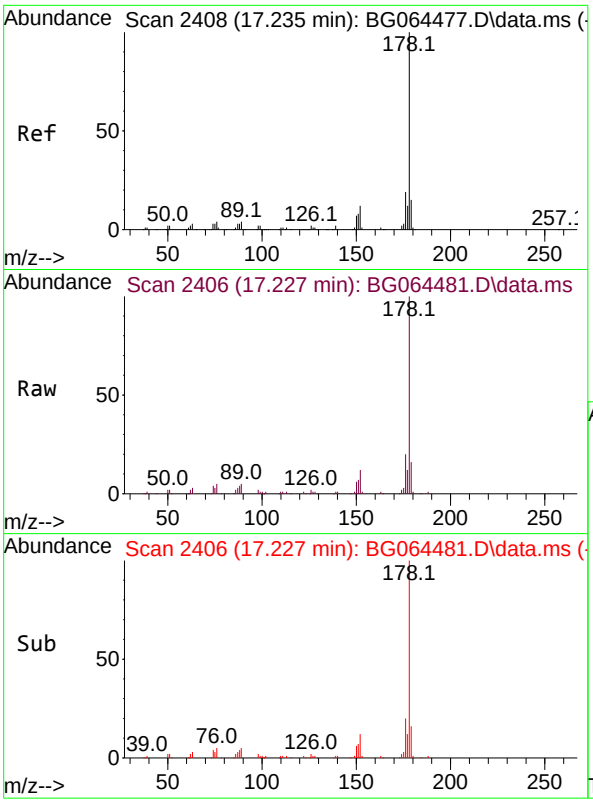


#70
Pentachlorophenol
Concen: 7.520 ng
RT: 16.845 min Scan# 2341
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:266 Resp: 9789

Ion	Ratio	Lower	Upper
266	100		
268	55.0	50.6	75.8
264	47.3	51.2	76.8#

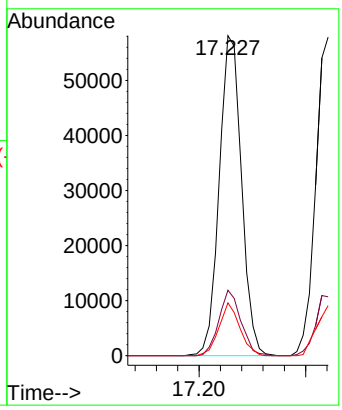




#71
Phenanthrene
Concen: 9.770 ng
RT: 17.227 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:178 Resp: 8447

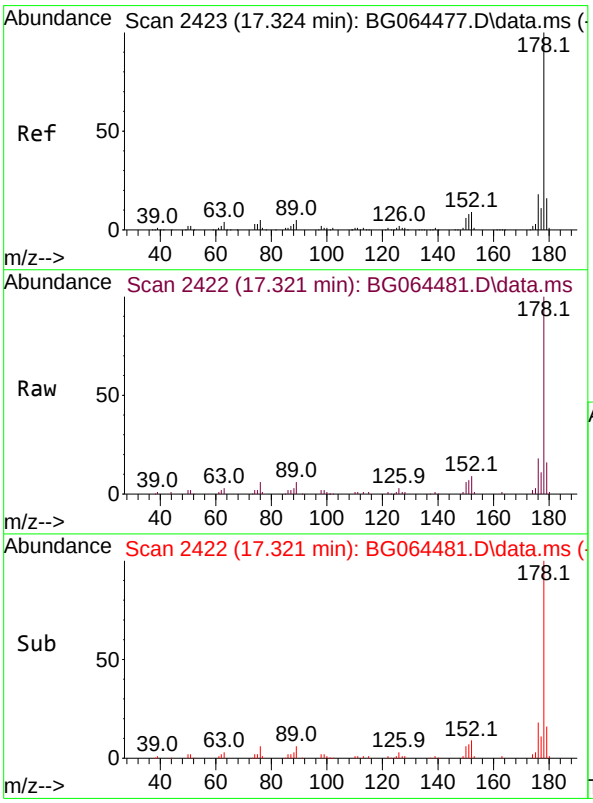
Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.2	22.8
179	16.5	11.8	17.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

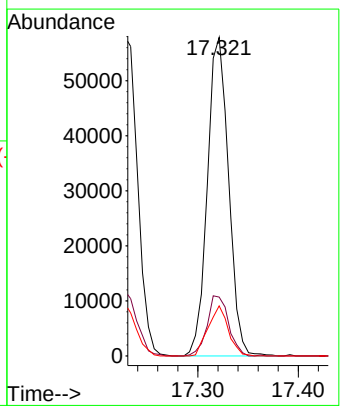
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

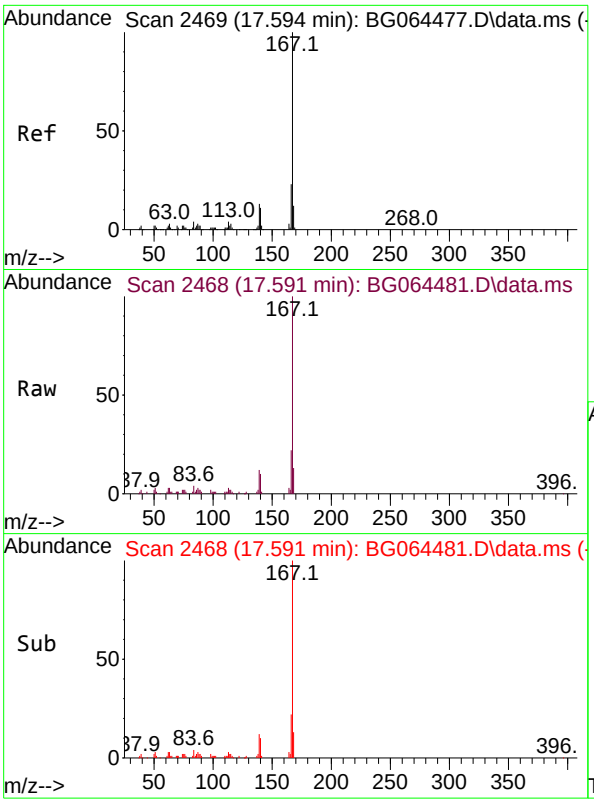


#72
Anthracene
Concen: 9.797 ng
RT: 17.321 min Scan# 2422
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:178 Resp: 84981

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	15.7	12.5	18.7

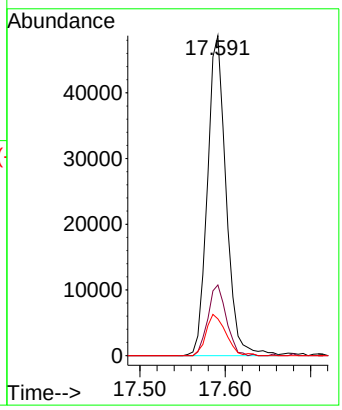




#73
Carbazole
Concen: 9.869 ng
RT: 17.591 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:167 Resp: 7399

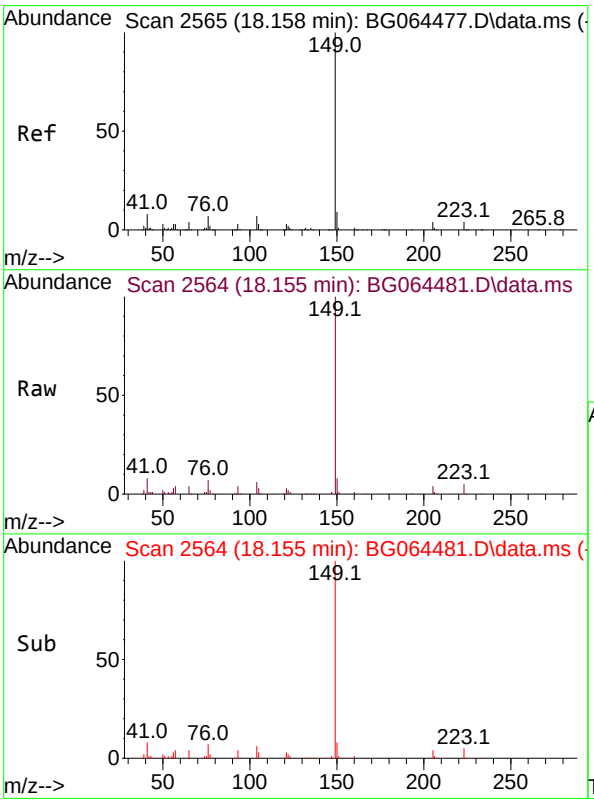
Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.6	27.8
139	11.5	10.2	15.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

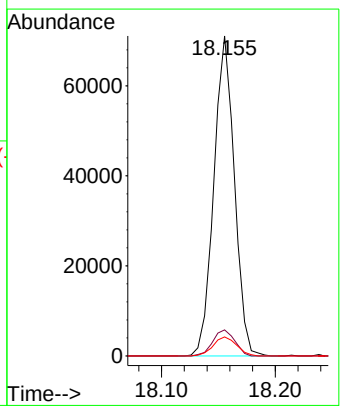
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

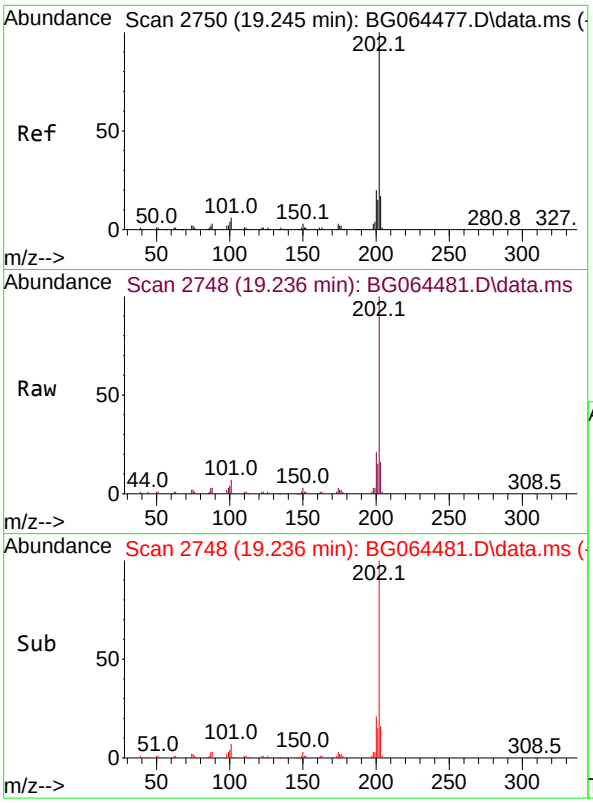


#74
Di-n-butylphthalate
Concen: 9.742 ng
RT: 18.155 min Scan# 2564
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:149 Resp: 89166

Ion	Ratio	Lower	Upper
149	100		
150	8.1	7.4	11.2
104	6.0	5.3	7.9

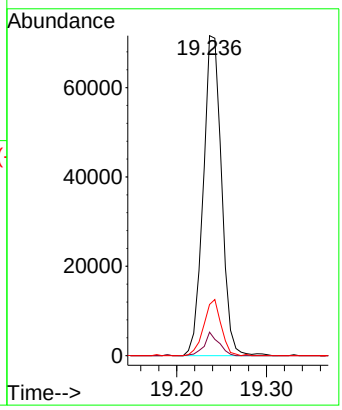




#75
Fluoranthene
Concen: 9.813 ng
RT: 19.236 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:202 Resp: 10136

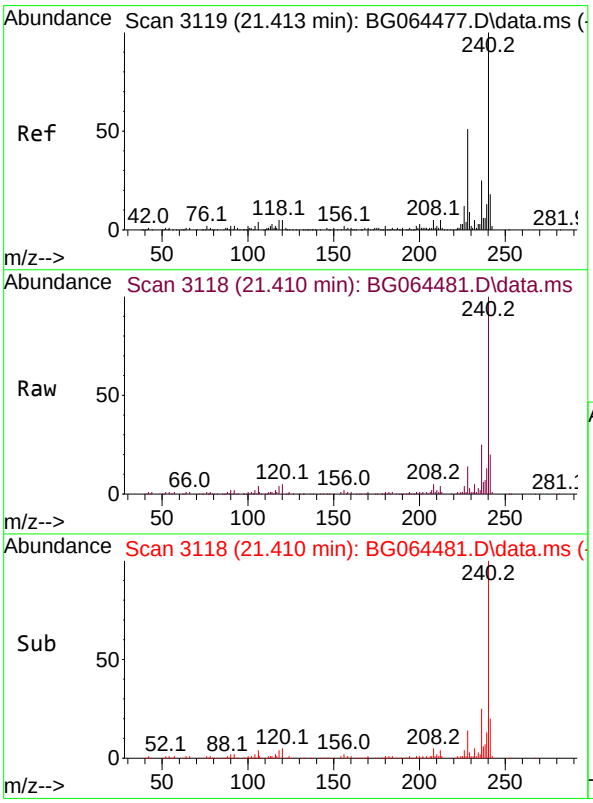
Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	25.7
203	16.0	0.0	36.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

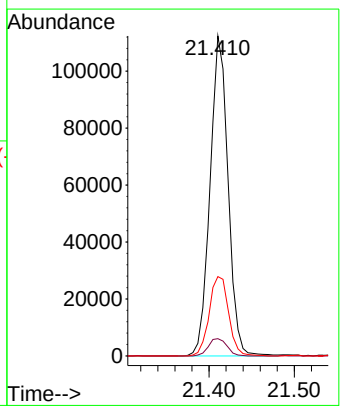
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

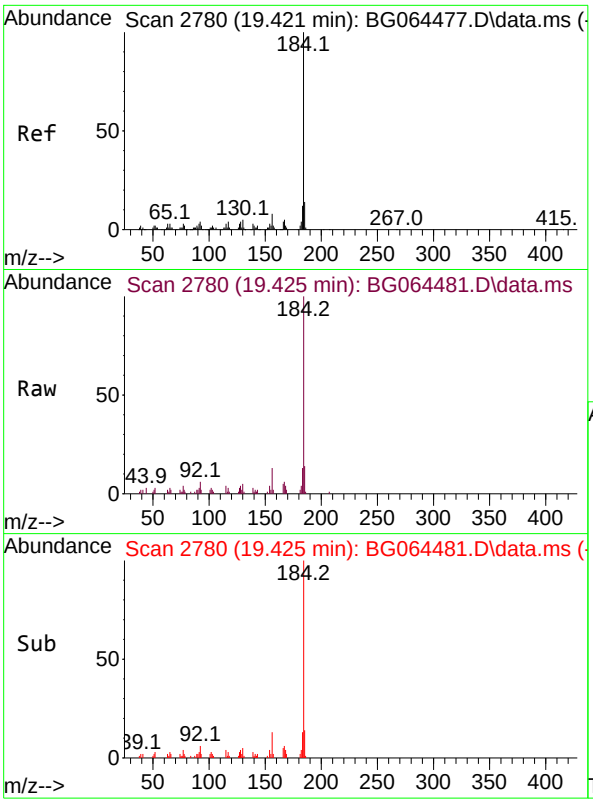


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.410 min Scan# 3118
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:240 Resp: 164846

Ion	Ratio	Lower	Upper
240	100		
120	5.4	4.3	6.5
236	24.8	20.4	30.6

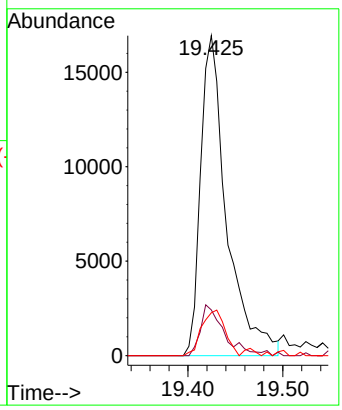




#77
Benzidine
Concen: 7.894 ng
RT: 19.425 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:184 Resp: 3238

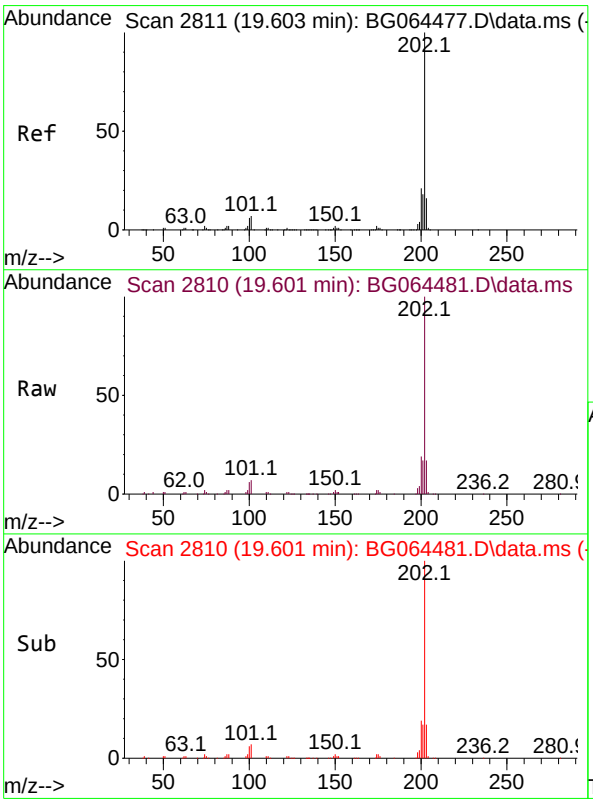
Ion	Ratio	Lower	Upper
184	100		
185	14.3	10.9	16.3
183	13.4	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

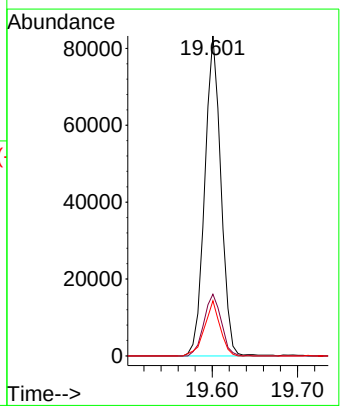
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

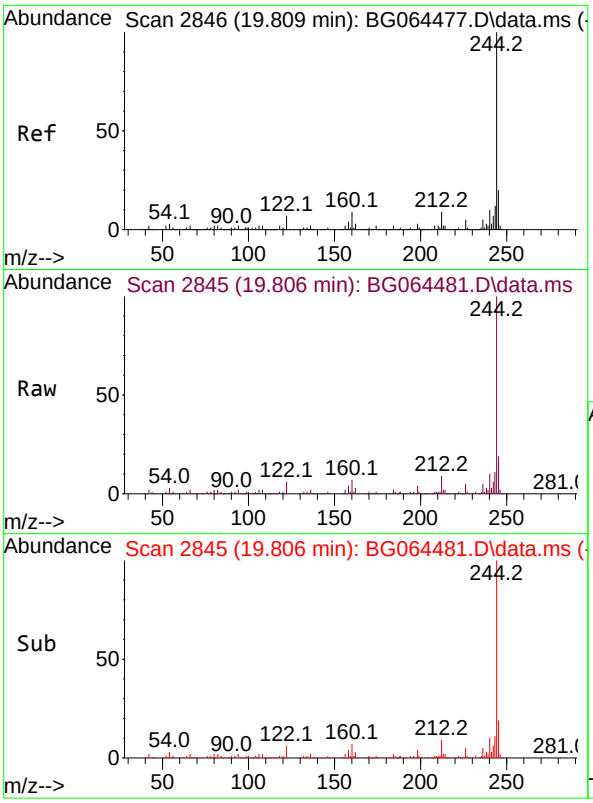


#78
Pyrene
Concen: 10.242 ng
RT: 19.601 min Scan# 2810
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:202 Resp: 109573

Ion	Ratio	Lower	Upper
202	100		
200	19.3	17.0	25.4
203	17.2	13.0	19.4

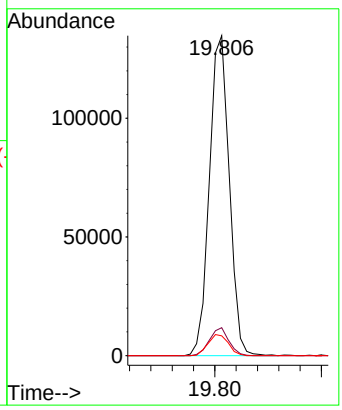




#79
Terphenyl-d14
Concen: 20.088 ng
RT: 19.806 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:244 Resp: 17497

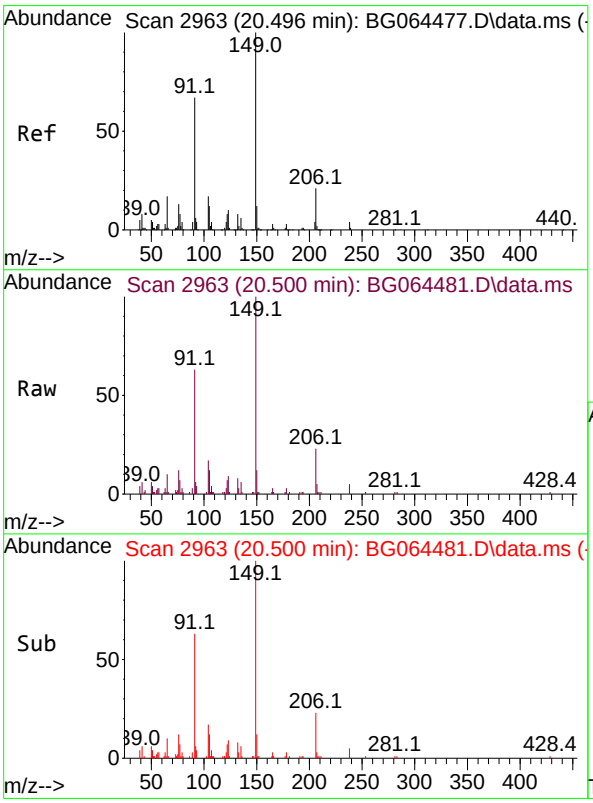
Ion	Ratio	Lower	Upper
244	100		
212	8.7	7.0	10.6
122	6.2	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

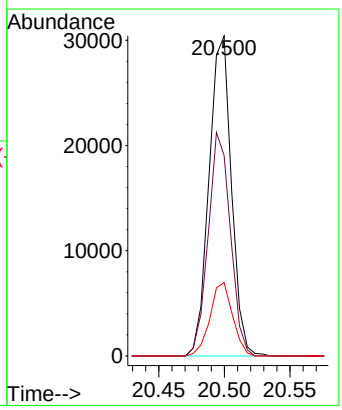
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

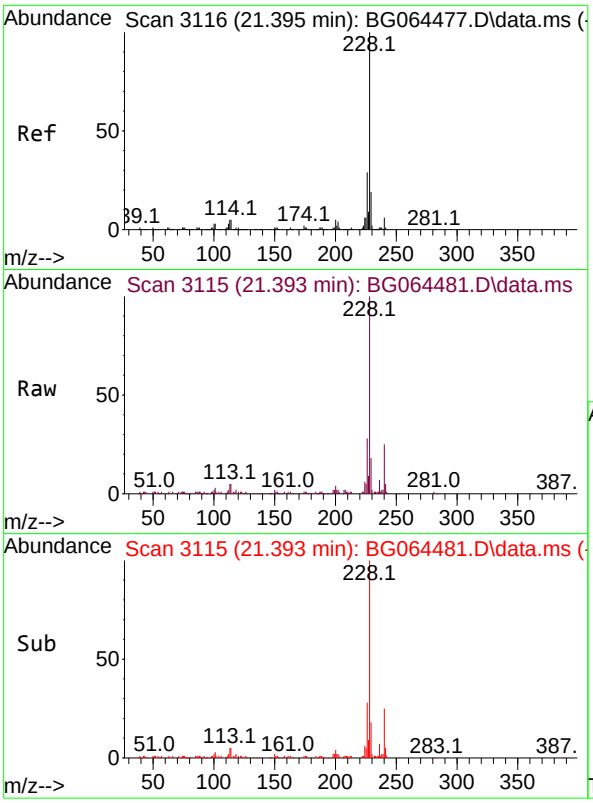


#80
Butylbenzylphthalate
Concen: 9.522 ng
RT: 20.500 min Scan# 2963
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:149 Resp: 36112

Ion	Ratio	Lower	Upper
149	100		
91	62.6	53.7	80.5
206	22.9	16.6	24.8

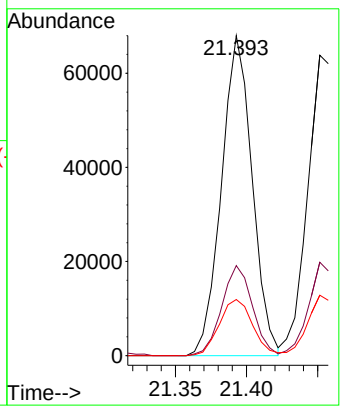




#81
Benzo(a)anthracene
Concen: 9.700 ng
RT: 21.393 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:228 Resp: 10209

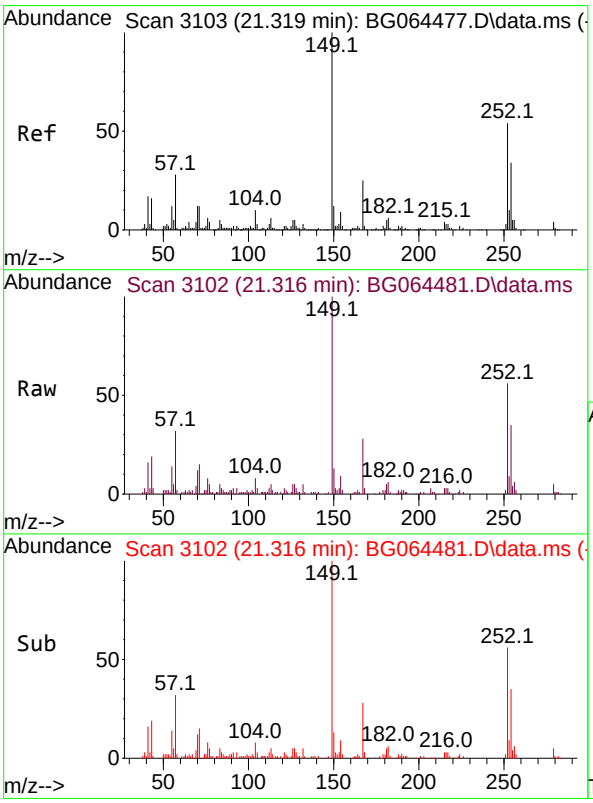
Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.8	34.2
229	17.5	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

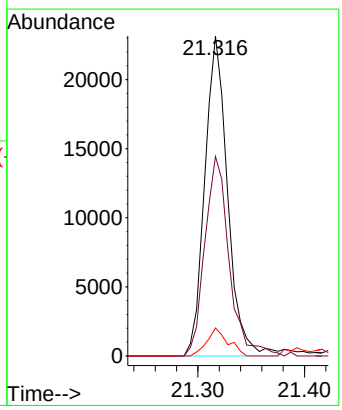
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

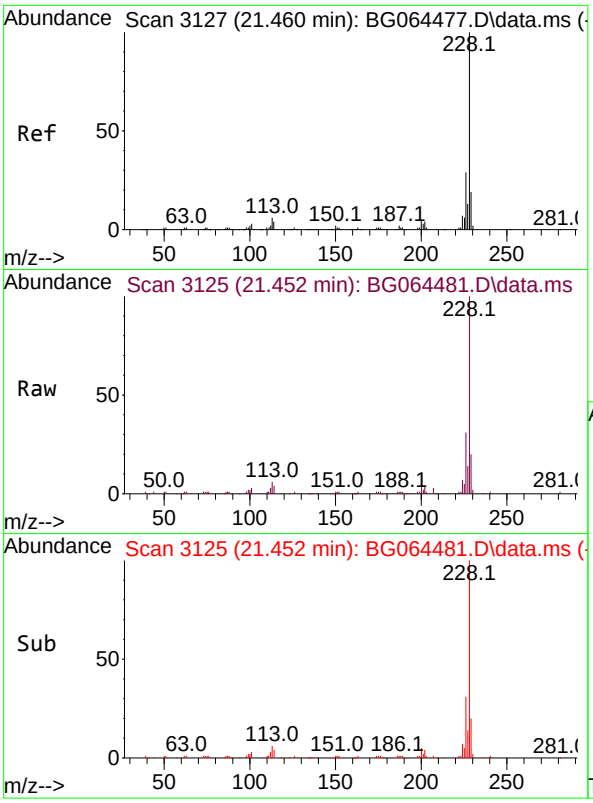


#82
3,3'-Dichlorobenzidine
Concen: 9.670 ng
RT: 21.316 min Scan# 3102
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:252 Resp: 34449

Ion	Ratio	Lower	Upper
252	100		
254	62.3	50.5	75.7
126	8.7	7.1	10.7

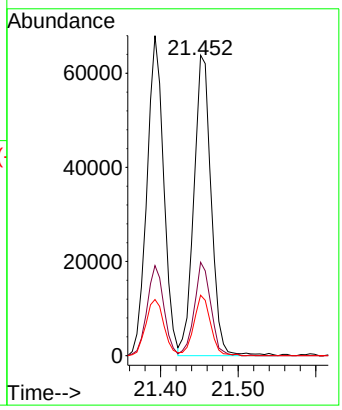




#83
Chrysene
Concen: 9.908 ng
RT: 21.452 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:228 Resp: 9889

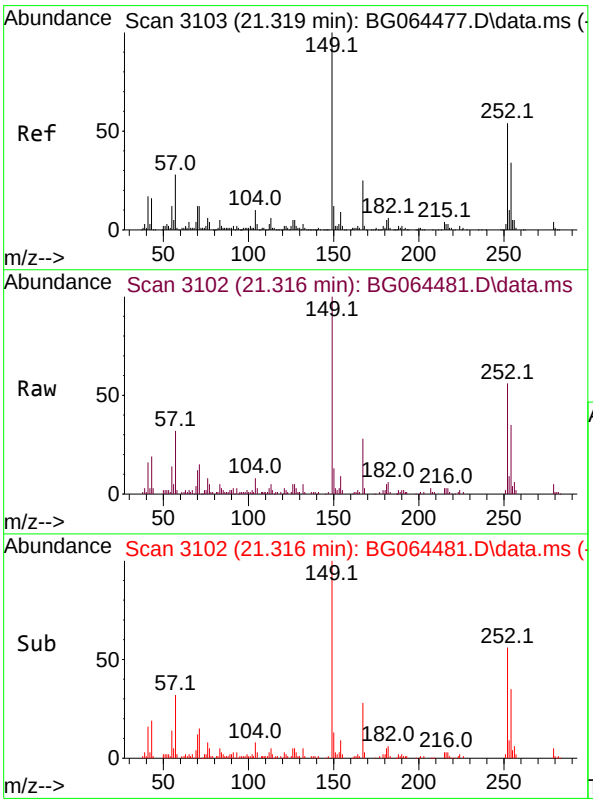
Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.8	34.2
229	20.1	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

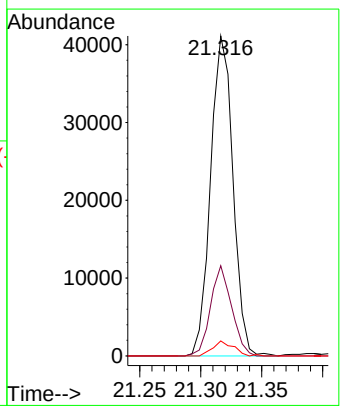
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

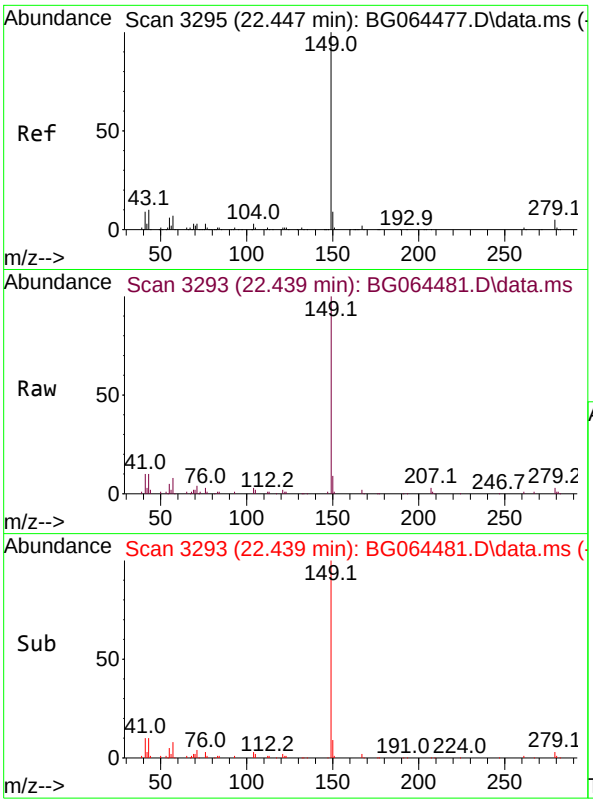


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.814 ng
RT: 21.316 min Scan# 3102
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:149 Resp: 52514

Ion	Ratio	Lower	Upper
149	100		
167	28.2	19.7	29.5
279	4.7	3.4	5.2

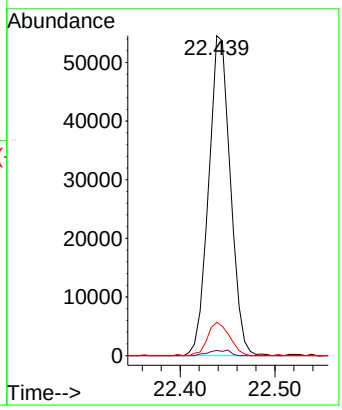




#85
Di-n-octyl phthalate
Concen: 9.673 ng
RT: 22.439 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:149 Resp: 8698

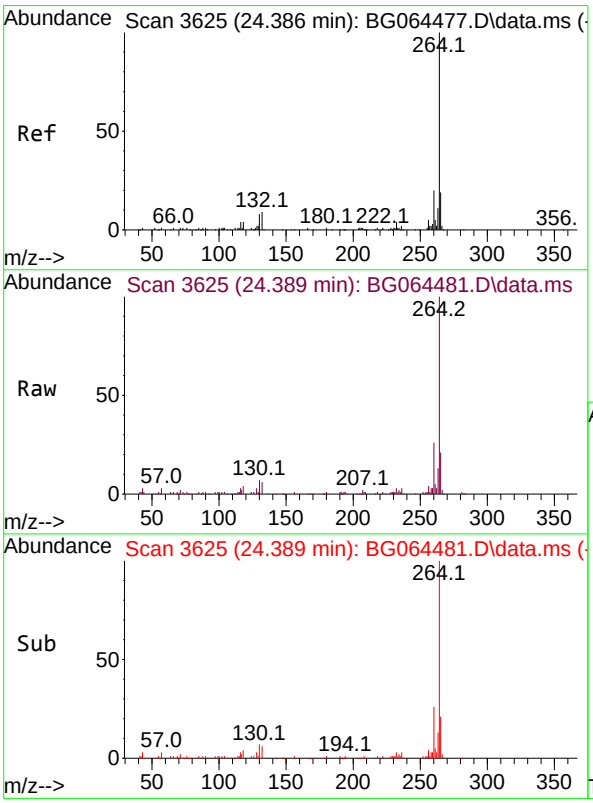
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	10.5	7.9	11.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

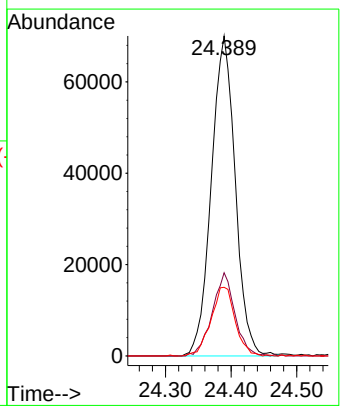
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

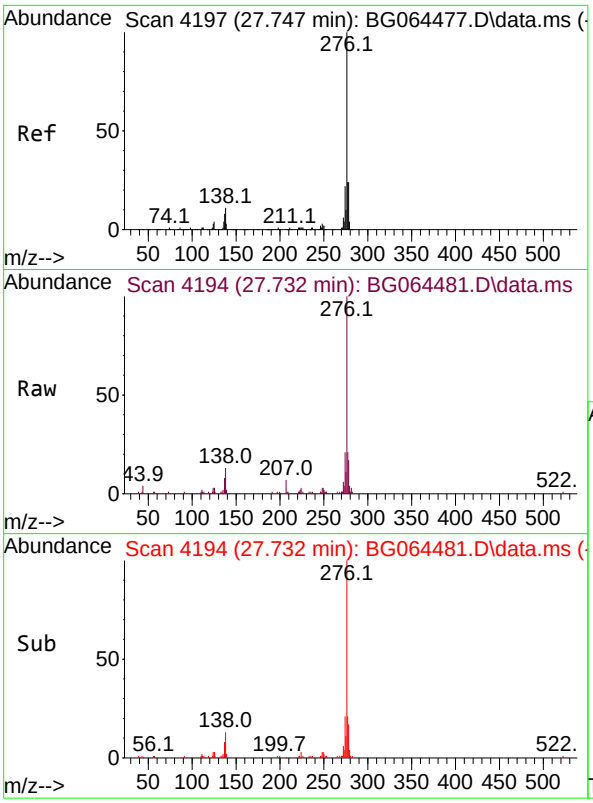


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.389 min Scan# 3625
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:264 Resp: 177771

Ion	Ratio	Lower	Upper
264	100		
260	26.0	16.2	24.4#
265	21.5	15.0	22.4

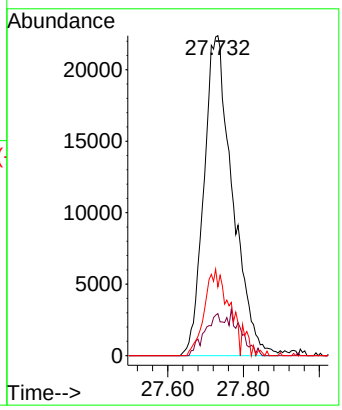




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.480 ng
RT: 27.732 min Scan# 41
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:276 Resp: 11730

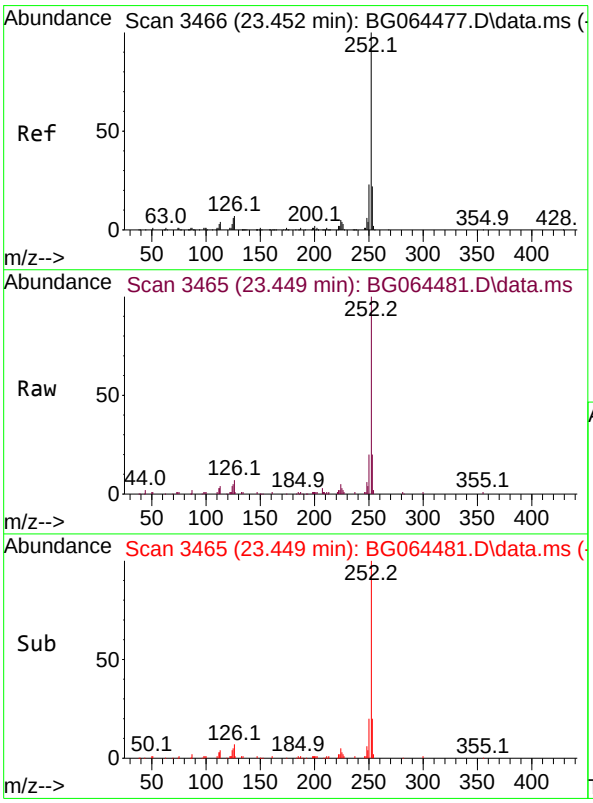
Ion	Ratio	Lower	Upper
276	100		
138	8.5	10.8	16.2#
277	9.6	20.3	30.5#



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

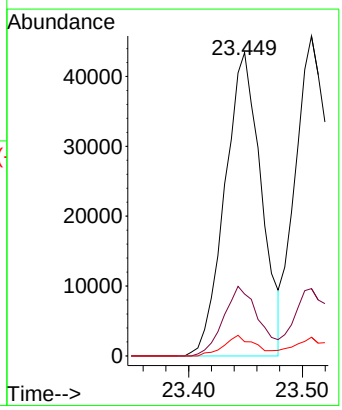
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

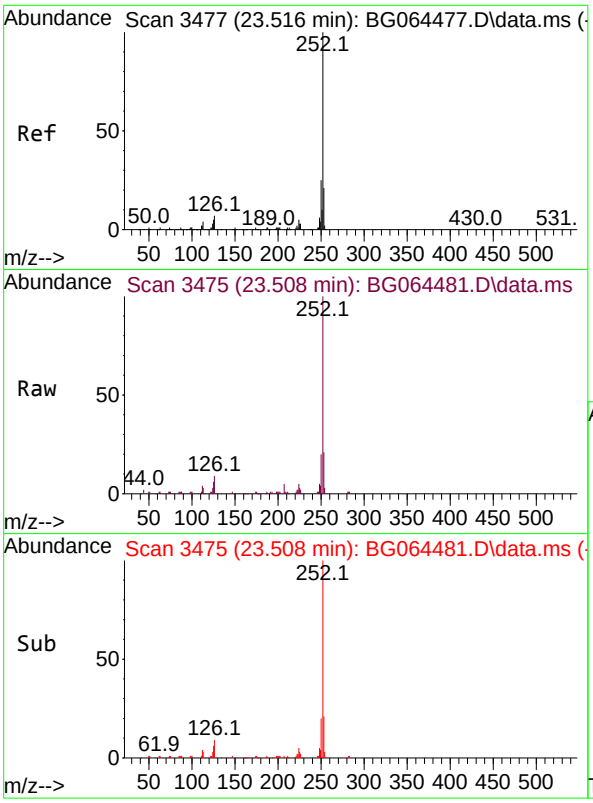


#88
Benzo(b)fluoranthene
Concen: 9.525 ng
RT: 23.449 min Scan# 3465
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:252 Resp: 96327

Ion	Ratio	Lower	Upper
252	100		
253	20.4	17.5	26.3
125	4.7	4.5	6.7

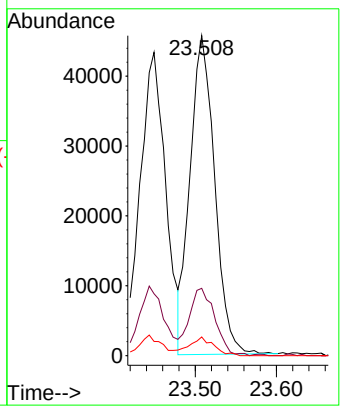




#89
Benzo(k)fluoranthene
Concen: 9.442 ng
RT: 23.508 min Scan# 34
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:252 Resp: 9617

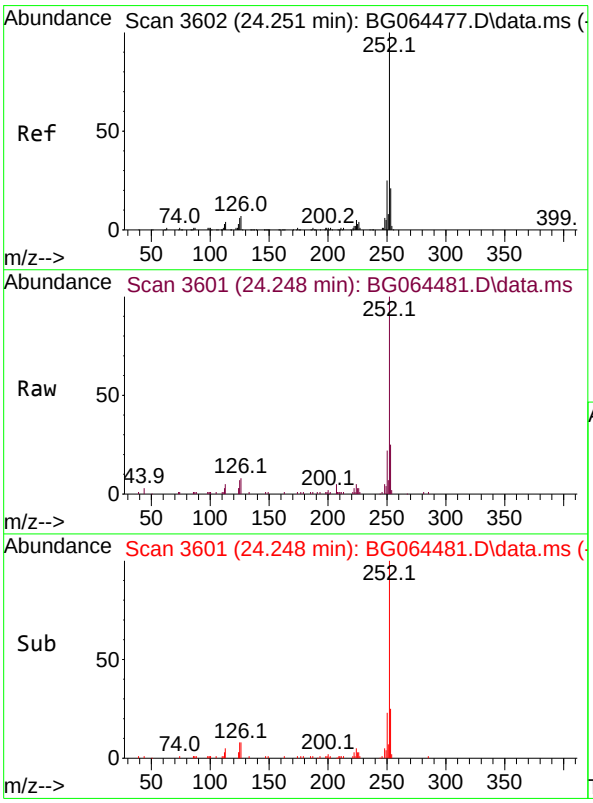
Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.4	26.2
125	5.8	4.0	6.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

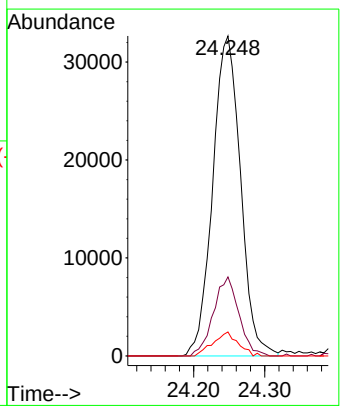
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

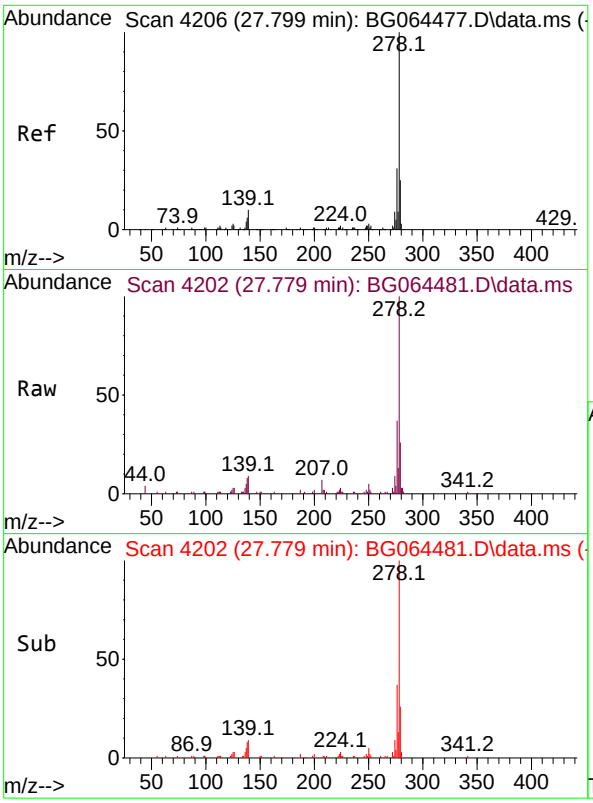


#90
Benzo(a)pyrene
Concen: 9.529 ng
RT: 24.248 min Scan# 3601
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:252 Resp: 88822

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.1	25.7
125	7.5	4.6	6.8#

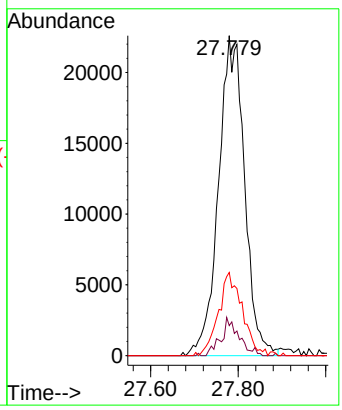




#91
Dibenzo(a,h)anthracene
Concen: 9.457 ng
RT: 27.779 min Scan# 4
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:278 Resp: 9358

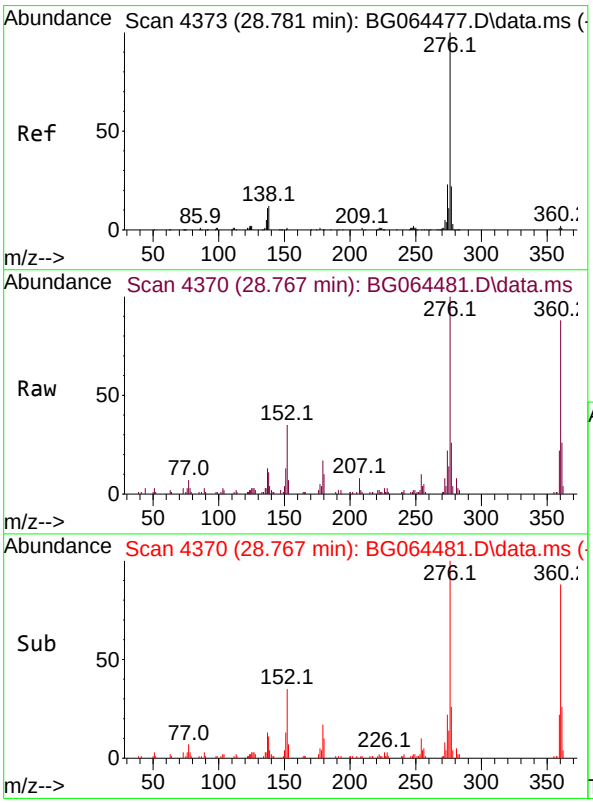
Ion	Ratio	Lower	Upper
278	100		
139	9.4	8.2	12.2
279	26.0	19.6	29.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

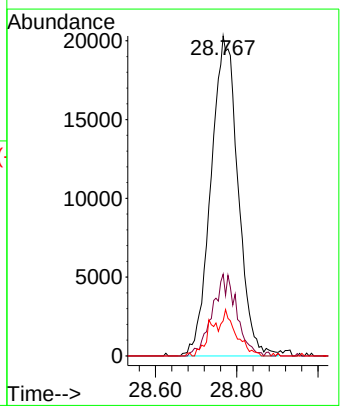
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#92
Benzo(g,h,i)perylene
Concen: 9.735 ng
RT: 28.767 min Scan# 4370
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:276 Resp: 93612

Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.8	26.6
138	15.1	9.4	14.0#



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064482.D
Acq On : 2 Oct 2025 18:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

Quant Time: Oct 02 18:56:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.826	152	15318	20.000	ng		0.00
21) Naphthalene-d8	10.611	136	68102	20.000	ng		0.00
39) Acenaphthene-d10	14.448	164	53704	20.000	ng		0.00
64) Phenanthrene-d10	17.186	188	136982	20.000	ng		0.00
76) Chrysene-d12	21.416	240	140392	20.000	ng		0.00
86) Perylene-d12	24.389	264	148372	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.411	112	62374	75.359	ng		0.00
7) Phenol-d6	6.998	99	86196	77.494	ng		0.01
23) Nitrobenzene-d5	8.978	82	92457	72.999	ng		0.01
42) 2,4,6-Tribromophenol	15.940	330	74669	76.705	ng		0.00
45) 2-Fluorobiphenyl	13.073	172	271576	74.539	ng		0.00
79) Terphenyl-d14	19.806	244	564322	76.071	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.326	88	12001	36.657	ng		96
3) Pyridine	3.713	79	31163	35.418	ng		97
4) n-Nitrosodimethylamine	3.631	42	24896	39.031	ng		91
6) Aniline	7.151	93	57677	41.109	ng		98
8) 2-Chlorophenol	7.391	128	37701	37.094	ng		96
9) Benzaldehyde	6.963	77	31860	32.268	ng		96
10) Phenol	7.021	94	45072	38.413	ng		99
11) bis(2-Chloroethyl)ether	7.250	93	29672	37.341	ng		99
12) 1,3-Dichlorobenzene	7.715	146	41698	37.504	ng		94
13) 1,4-Dichlorobenzene	7.856	146	44492	39.872	ng		97
14) 1,2-Dichlorobenzene	8.173	146	42303	38.466	ng		96
15) Benzyl Alcohol	8.061	79	41748	40.756	ng		88
16) 2,2'-oxybis(1-Chloropr...	8.349	45	48934	38.204	ng		93
17) 2-Methylphenol	8.267	107	32757	38.553	ng		96
18) Hexachloroethane	8.901	117	16683	37.877	ng		92
19) n-Nitroso-di-n-propyla...	8.625	70	30487	40.984	ng	#	92
20) 3+4-Methylphenols	8.596	107	46114	38.893	ng		92
22) Acetophenone	8.637	105	65802	39.906	ng	#	98
24) Nitrobenzene	9.019	77	46946	37.170	ng		95
25) Isophorone	9.542	82	89937	39.198	ng	#	97
26) 2-Nitrophenol	9.724	139	22245	35.388	ng	#	84
27) 2,4-Dimethylphenol	9.789	122	40285	41.959	ng		97
28) bis(2-Chloroethoxy)met...	10.024	93	45075	38.540	ng		98
29) 2,4-Dichlorophenol	10.259	162	43141	38.857	ng		86
30) 1,2,4-Trichlorobenzene	10.476	180	46901	38.743	ng		97
31) Naphthalene	10.658	128	134984	38.491	ng		97
32) Benzoic acid	9.941	122	29650m	40.223	ng		
33) 4-Chloroaniline	10.770	127	57575	42.784	ng		91
34) Hexachlorobutadiene	10.952	225	37931	36.587	ng		93
35) Caprolactam	11.534	113	14752	38.812	ng		94
36) 4-Chloro-3-methylphenol	11.898	107	51832	38.389	ng		96
37) 2-Methylnaphthalene	12.268	142	94732	35.191	ng		97
38) 1-Methylnaphthalene	12.491	142	99137	36.933	ng		100
40) 1,2,4,5-Tetrachloroben...	12.644	216	66779	38.511	ng		98
41) Hexachlorocyclopentadiene	12.621	237	45790	50.483	ng		91
43) 2,4,6-Trichlorophenol	12.879	196	43264	39.030	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064482.D
Acq On : 2 Oct 2025 18:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 02 18:56:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.955	196	46812	37.827	ng		90
46) 1,1'-Biphenyl	13.285	154	149616	38.735	ng		98
47) 2-Chloronaphthalene	13.326	162	108769	37.716	ng		95
48) 2-Nitroaniline	13.531	65	38535	39.151	ng		98
49) Acenaphthylene	14.172	152	187686	43.842	ng		97
50) Dimethylphthalate	13.907	163	159424	37.903	ng		97
51) 2,6-Dinitrotoluene	14.025	165	33945	38.742	ng		92
52) Acenaphthene	14.512	154	109054	36.666	ng		98
53) 3-Nitroaniline	14.354	138	32910	40.727	ng		97
54) 2,4-Dinitrophenol	14.559	184	21309	33.540	ng	#	81
55) Dibenzofuran	14.847	168	187307	38.141	ng		97
56) 4-Nitrophenol	14.671	139	25265	39.712	ng		87
57) 2,4-Dinitrotoluene	14.812	165	52757	39.388	ng		98
58) Fluorene	15.500	166	161086	39.456	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.077	232	50545	40.021	ng		100
60) Diethylphthalate	15.276	149	172891	38.317	ng		97
61) 4-Chlorophenyl-phenyle...	15.494	204	81203	36.432	ng		98
62) 4-Nitroaniline	15.517	138	34897	41.435	ng		92
63) Azobenzene	15.787	77	134722	38.553	ng		98
65) 4,6-Dinitro-2-methylph...	15.582	198	36085	37.834	ng		92
66) n-Nitrosodiphenylamine	15.705	169	137047	37.465	ng		93
67) 4-Bromophenyl-phenylether	16.387	248	59351	36.819	ng		95
68) Hexachlorobenzene	16.504	284	67918	36.821	ng		96
69) Atrazine	16.657	200	68476	42.076	ng		98
70) Pentachlorophenol	16.845	266	38853	36.025	ng		91
71) Phenanthrene	17.233	178	265823	37.108	ng		96
72) Anthracene	17.321	178	274231	38.159	ng		99
73) Carbazole	17.591	167	246445	39.673	ng		99
74) Di-n-butylphthalate	18.155	149	294614	38.852	ng		99
75) Fluoranthene	19.242	202	331530	38.739	ng		100
77) Benzidine	19.424	184	152917	43.772	ng		98
78) Pyrene	19.601	202	335798	36.856	ng		99
80) Butylbenzylphthalate	20.500	149	121325	37.565	ng		98
81) Benzo(a)anthracene	21.393	228	339443	37.867	ng		98
82) 3,3'-Dichlorobenzidine	21.316	252	128504	42.355	ng		97
83) Chrysene	21.457	228	309731	36.434	ng		97
84) Bis(2-ethylhexyl)phtha...	21.316	149	168982	37.082	ng		99
85) Di-n-octyl phthalate	22.444	149	281232	36.720	ng		100
87) Indeno(1,2,3-cd)pyrene	27.738	276	390549	37.816	ng		99
88) Benzo(b)fluoranthene	23.449	252	315880	37.423	ng		99
89) Benzo(k)fluoranthene	23.514	252	337015	39.643	ng		99
90) Benzo(a)pyrene	24.254	252	307034	39.468	ng		98
91) Dibenzo(a,h)anthracene	27.791	278	318677	38.585	ng		96
92) Benzo(g,h,i)perylene	28.784	276	317018	39.498	ng		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

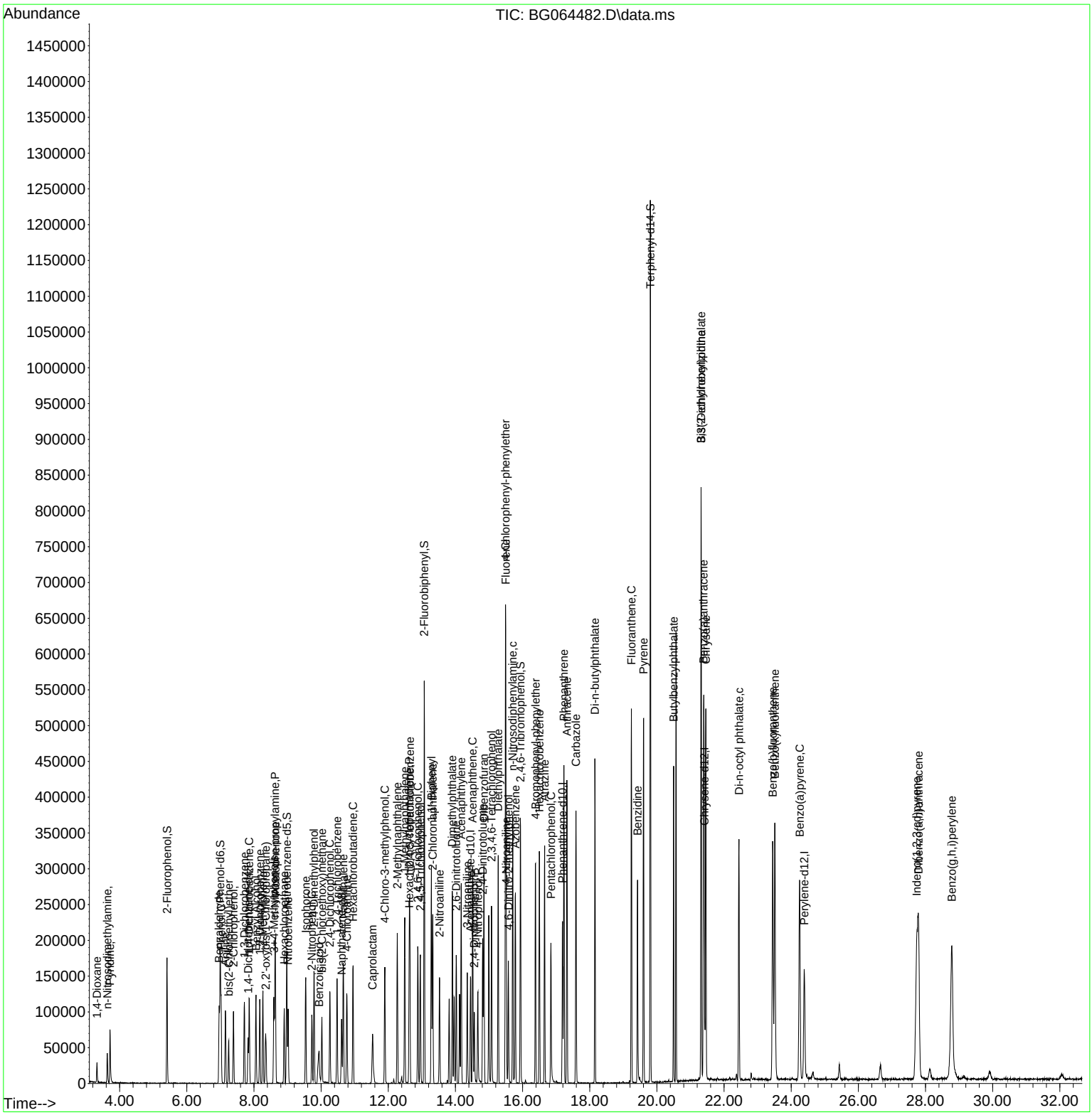
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064482.D
Acq On : 2 Oct 2025 18:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

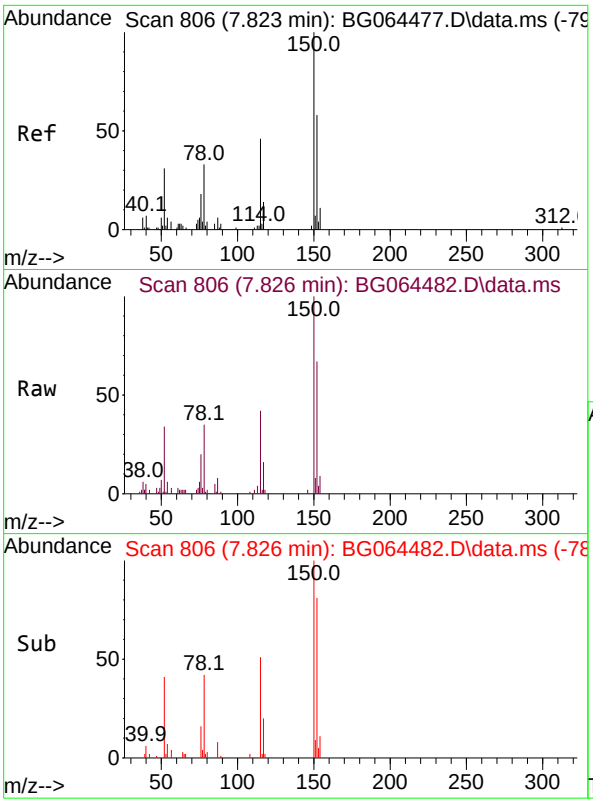
Quant Time: Oct 02 18:56:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

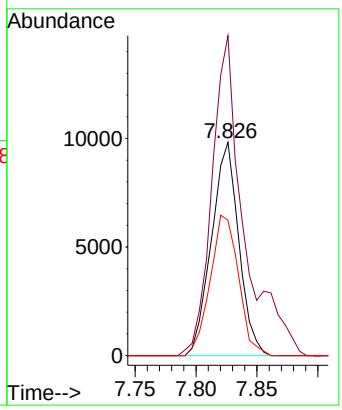




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.826 min Scan# 80
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:152 Resp: 15318

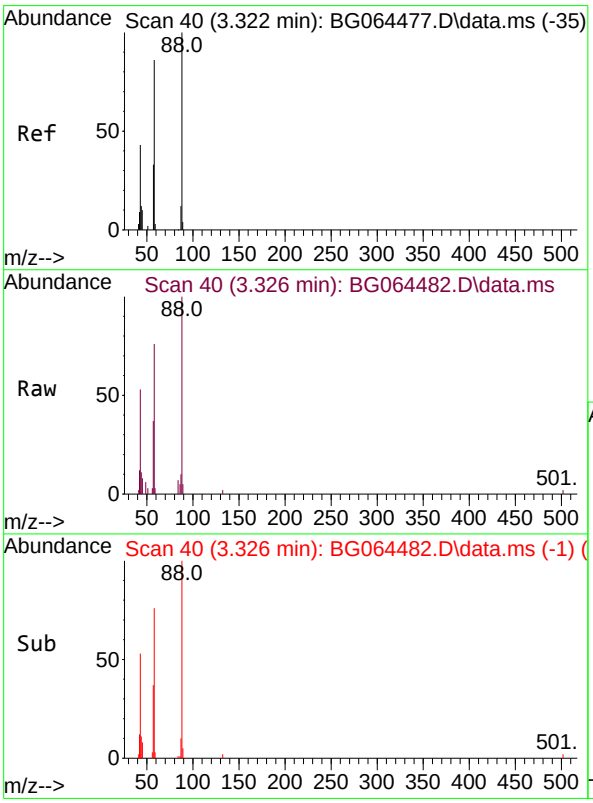
Ion	Ratio	Lower	Upper
152	100		
150	150.1	138.6	207.8
115	63.5	63.4	95.2



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

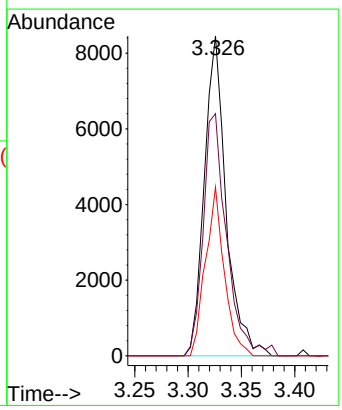
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

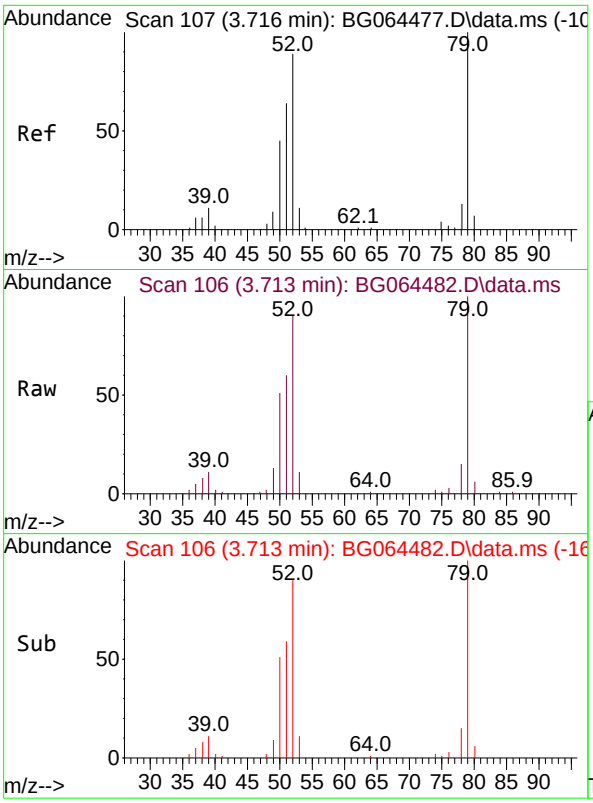


#2
1,4-Dioxane
Concen: 36.657 ng
RT: 3.326 min Scan# 40
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion: 88 Resp: 12001

Ion	Ratio	Lower	Upper
88	100		
58	81.6	69.8	104.6
43	45.8	37.4	56.0

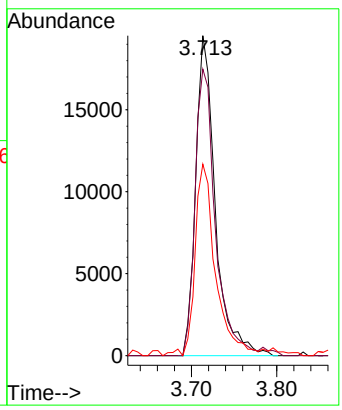




#3
Pyridine
Concen: 35.418 ng
RT: 3.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion: 79 Resp: 3116

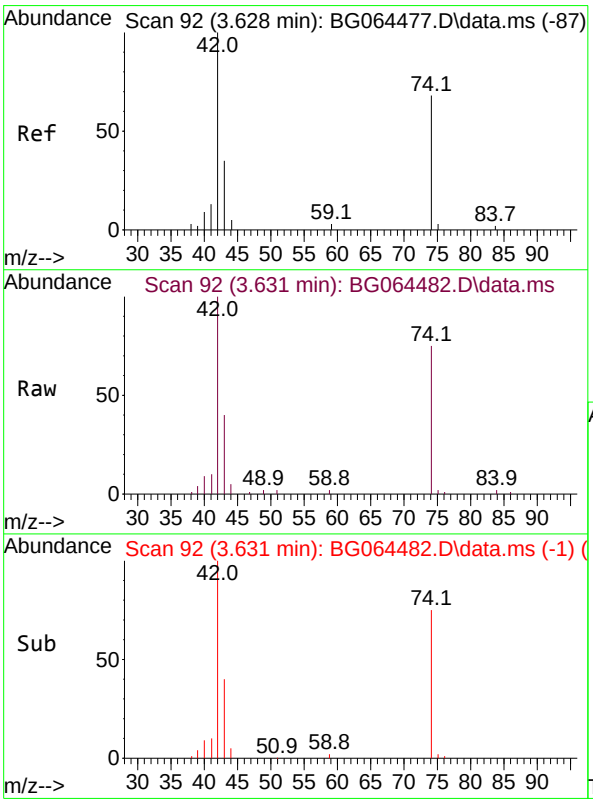
Ion	Ratio	Lower	Upper
79	100		
52	89.5	71.0	106.4
51	59.8	51.0	76.6



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

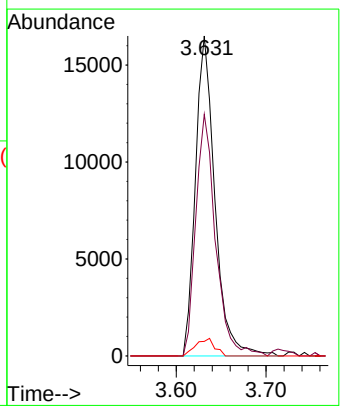
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

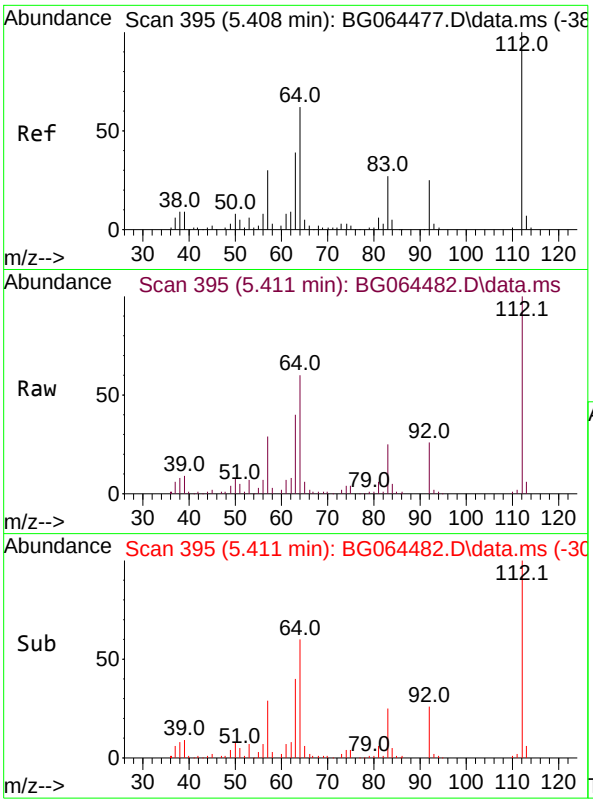


#4
n-Nitrosodimethylamine
Concen: 39.031 ng
RT: 3.631 min Scan# 92
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion: 42 Resp: 24896

Ion	Ratio	Lower	Upper
42	100		
74	75.5	54.2	81.4
44	4.5	4.2	6.2

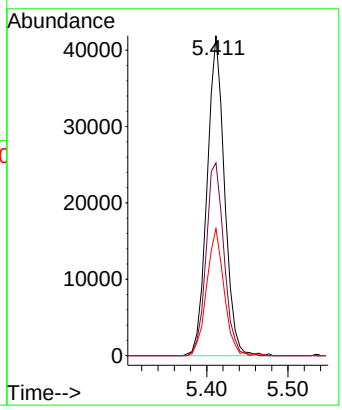




#5
2-Fluorophenol
Concen: 75.359 ng
RT: 5.411 min Scan# 39
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:112 Resp: 62374

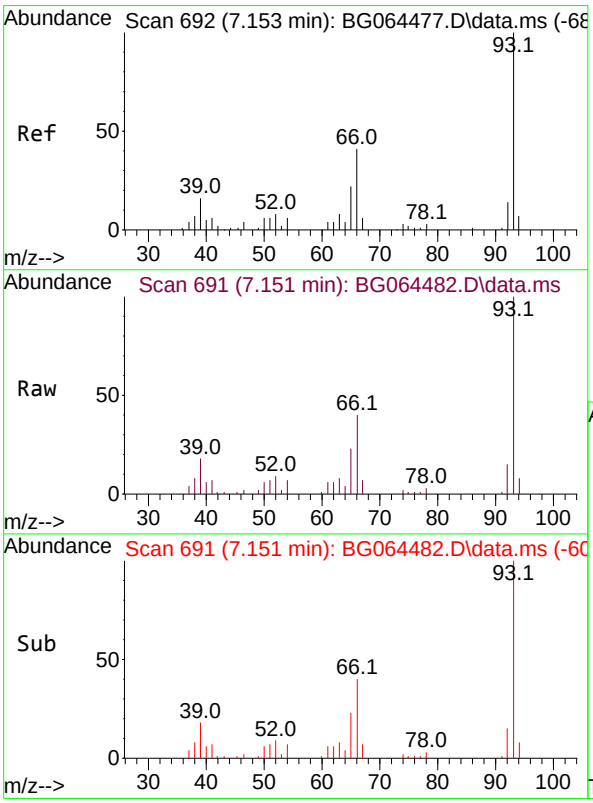
Ion	Ratio	Lower	Upper
112	100		
64	60.2	49.8	74.8
63	39.7	31.3	46.9



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

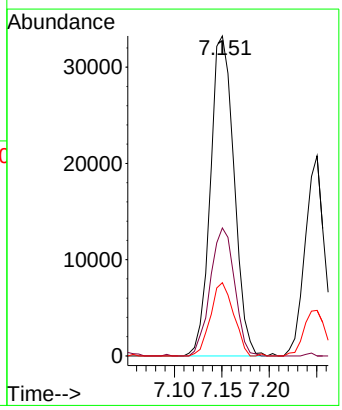
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

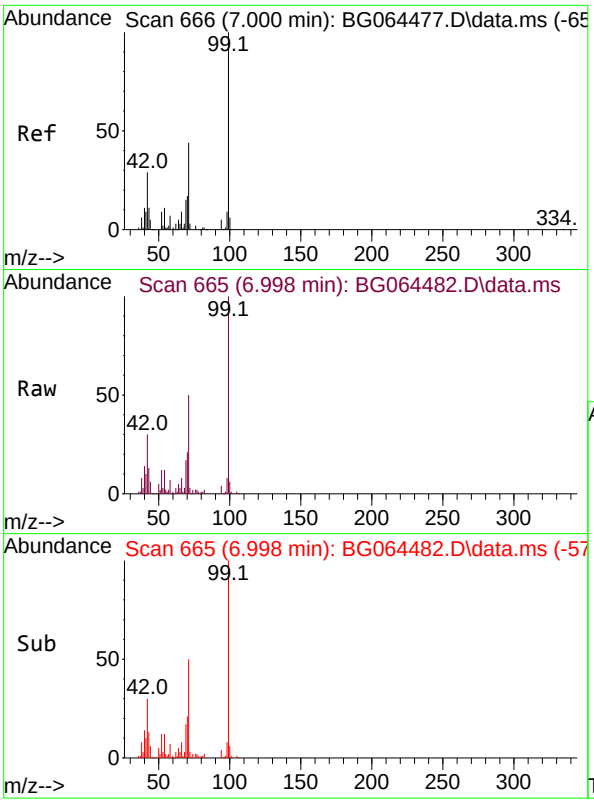


#6
Aniline
Concen: 41.109 ng
RT: 7.151 min Scan# 691
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion: 93 Resp: 57677

Ion	Ratio	Lower	Upper
93	100		
66	40.0	33.0	49.4
65	22.9	17.5	26.3

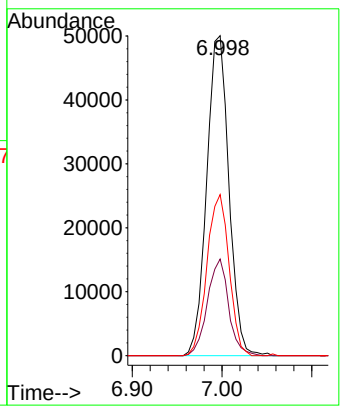




#7
Phenol-d6
Concen: 77.494 ng
RT: 6.998 min Scan# 6
Delta R.T. 0.012 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion: 99 Resp: 8619

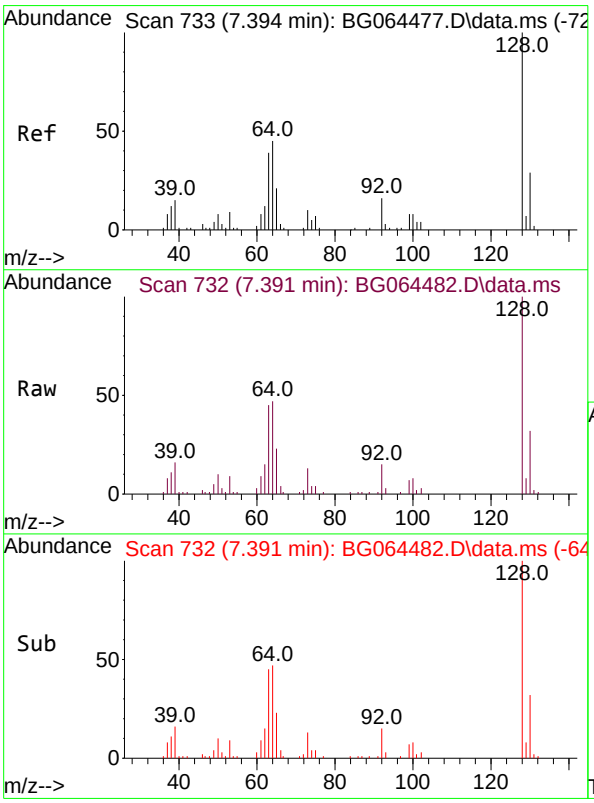
Ion	Ratio	Lower	Upper
99	100		
42	30.2	22.9	34.3
71	50.3	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

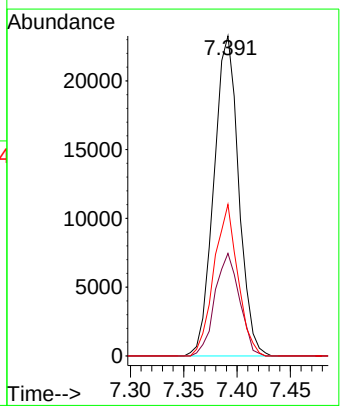
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

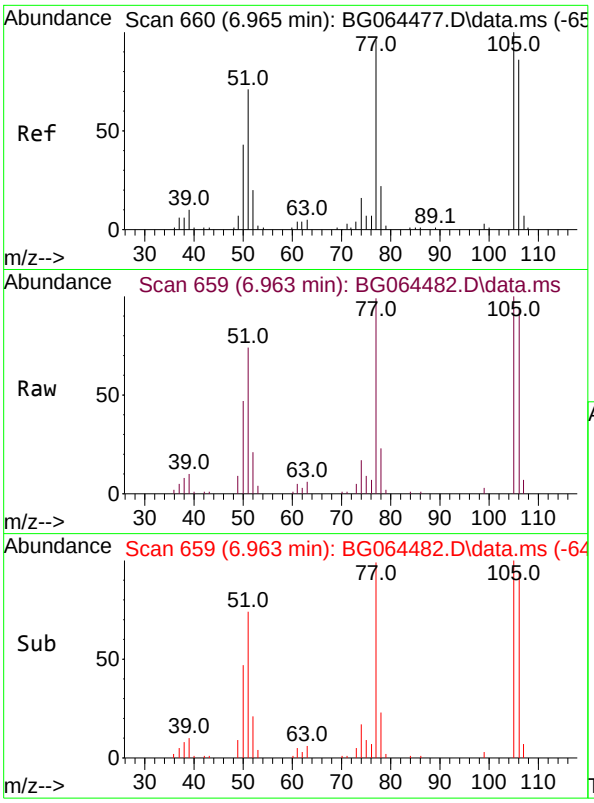


#8
2-Chlorophenol
Concen: 37.094 ng
RT: 7.391 min Scan# 732
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:128 Resp: 37701

Ion	Ratio	Lower	Upper
128	100		
130	32.0	9.2	49.2
64	47.3	25.5	65.5

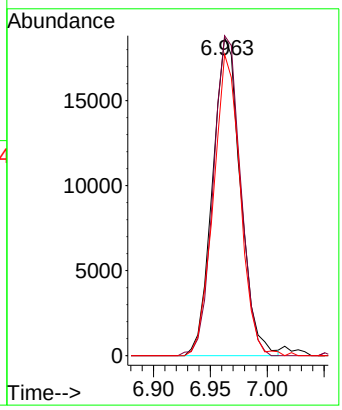




#9
Benzaldehyde
Concen: 32.268 ng
RT: 6.963 min Scan# 6
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion: 77 Resp: 3186

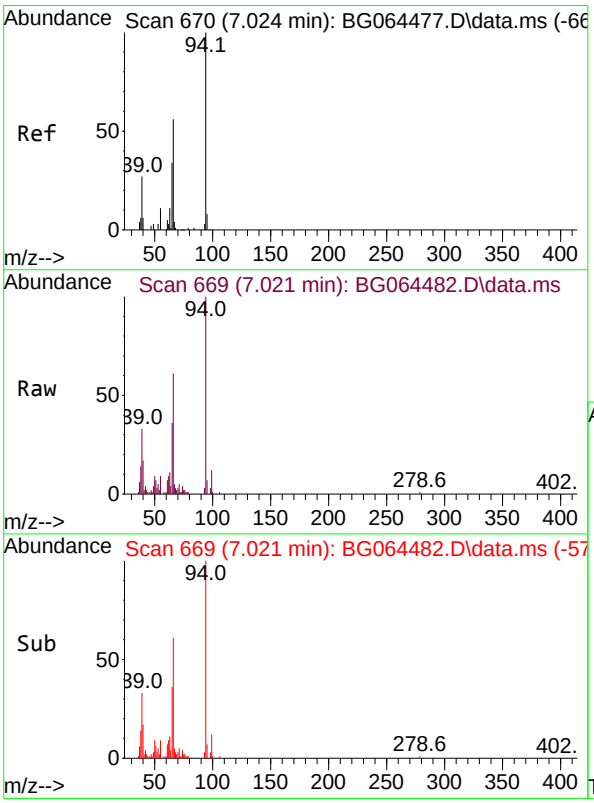
Ion	Ratio	Lower	Upper
77	100		
105	100.6	83.7	123.7
106	94.7	69.4	109.4



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations
APPROVED

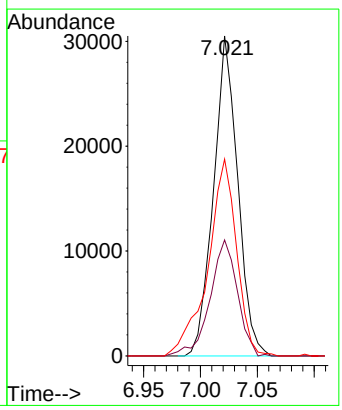
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

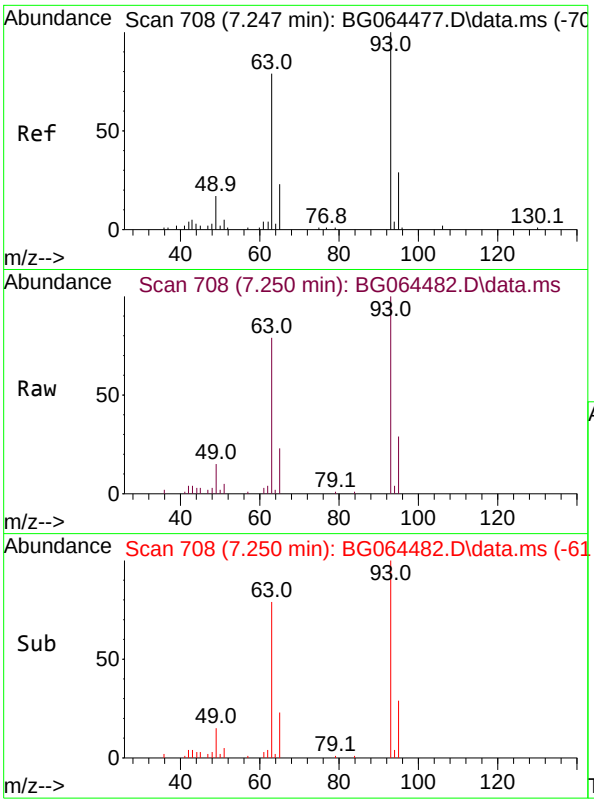


#10
Phenol
Concen: 38.413 ng
RT: 7.021 min Scan# 669
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion: 94 Resp: 45072

Ion	Ratio	Lower	Upper
94	100		
65	36.2	14.8	54.8
66	61.5	41.4	81.4

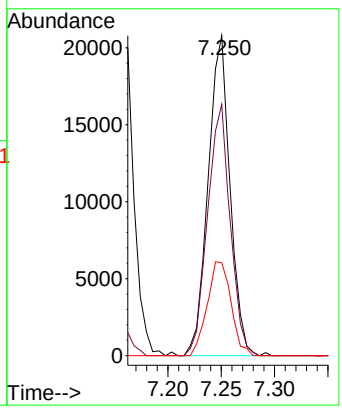




#11
bis(2-Chloroethyl)ether
Concen: 37.341 ng
RT: 7.250 min Scan# 7
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion: 93 Resp: 2967

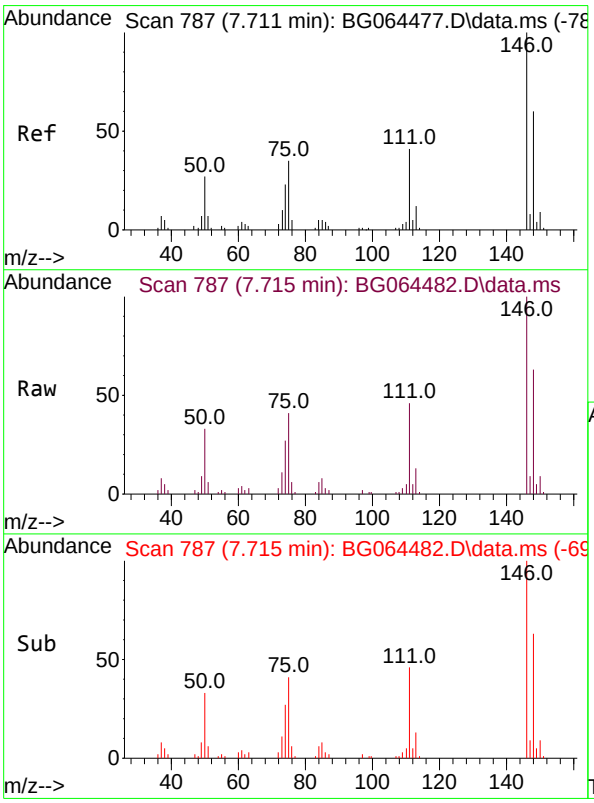
Ion	Ratio	Lower	Upper
93	100		
63	78.5	59.5	99.5
95	29.0	8.8	48.8



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

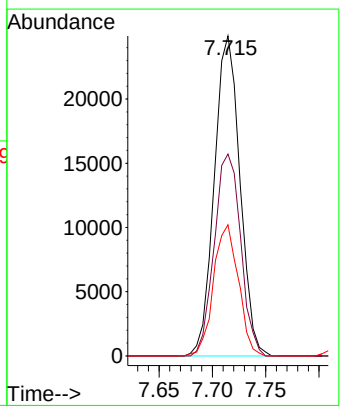
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

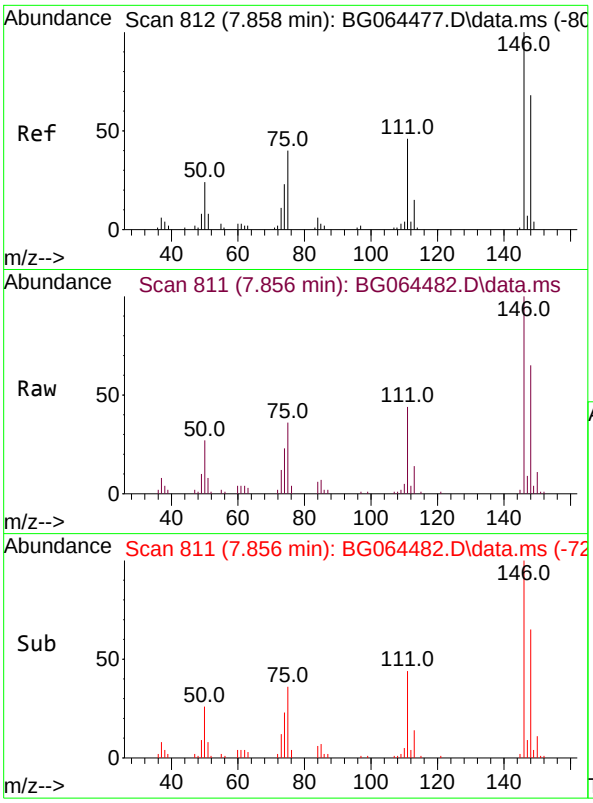


#12
1,3-Dichlorobenzene
Concen: 37.504 ng
RT: 7.715 min Scan# 787
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:146 Resp: 41698

Ion	Ratio	Lower	Upper
146	100		
148	63.1	48.4	72.6
75	41.0	28.3	42.5

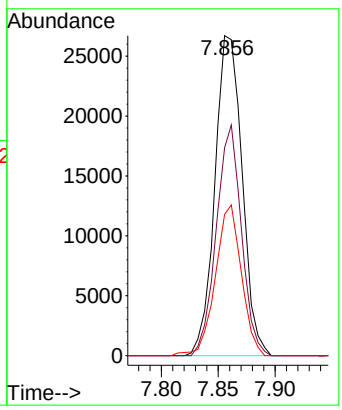




#13
1,4-Dichlorobenzene
Concen: 39.872 ng
RT: 7.856 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:146 Resp: 4449

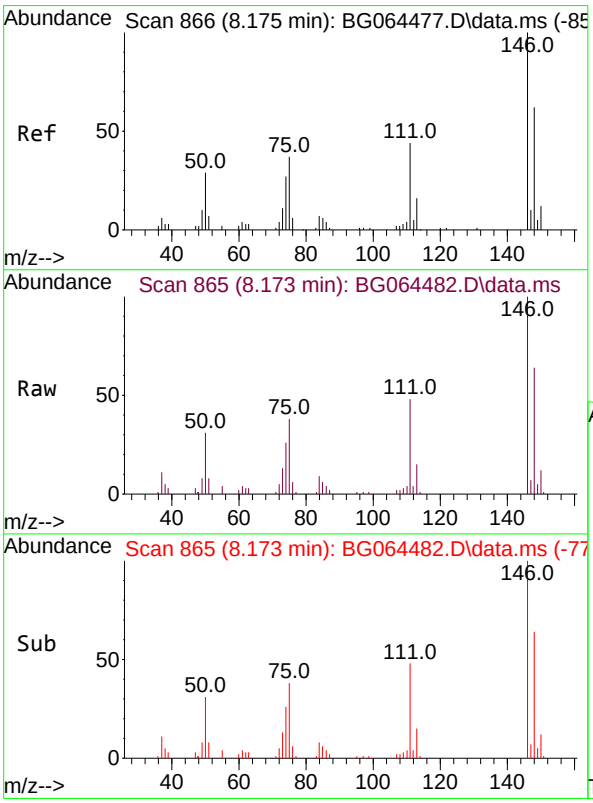
Ion	Ratio	Lower	Upper
146	100		
148	65.0	54.4	81.6
111	44.1	36.5	54.7



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

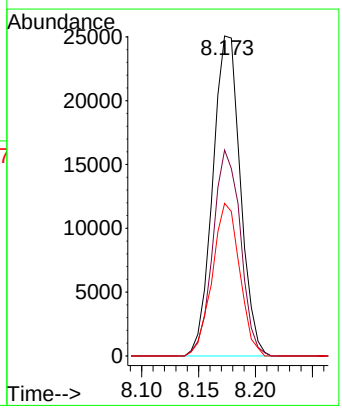
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

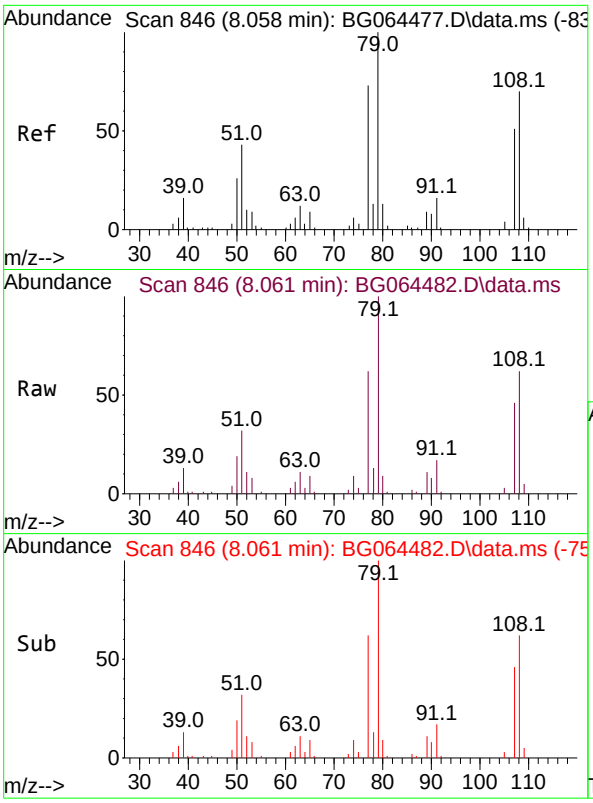


#14
1,2-Dichlorobenzene
Concen: 38.466 ng
RT: 8.173 min Scan# 865
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:146 Resp: 42303

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.0	75.0
111	47.7	35.0	52.4

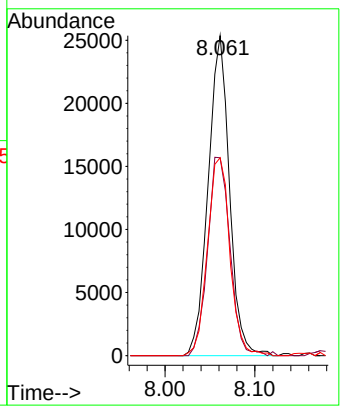




#15
Benzyl Alcohol
Concen: 40.756 ng
RT: 8.061 min Scan# 84
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion: 79 Resp: 4174

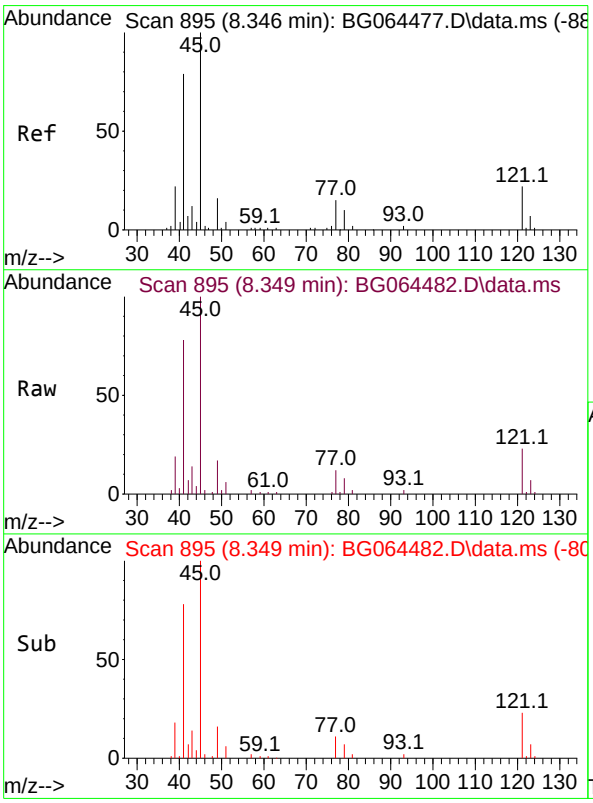
Ion	Ratio	Lower	Upper
79	100		
108	61.8	56.4	84.6
77	61.8	58.3	87.5



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

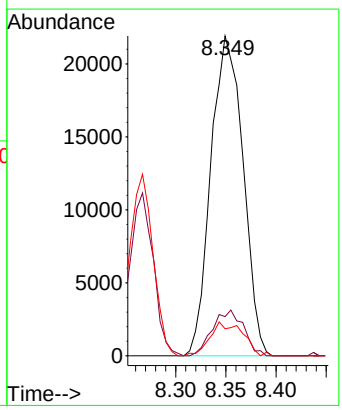
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

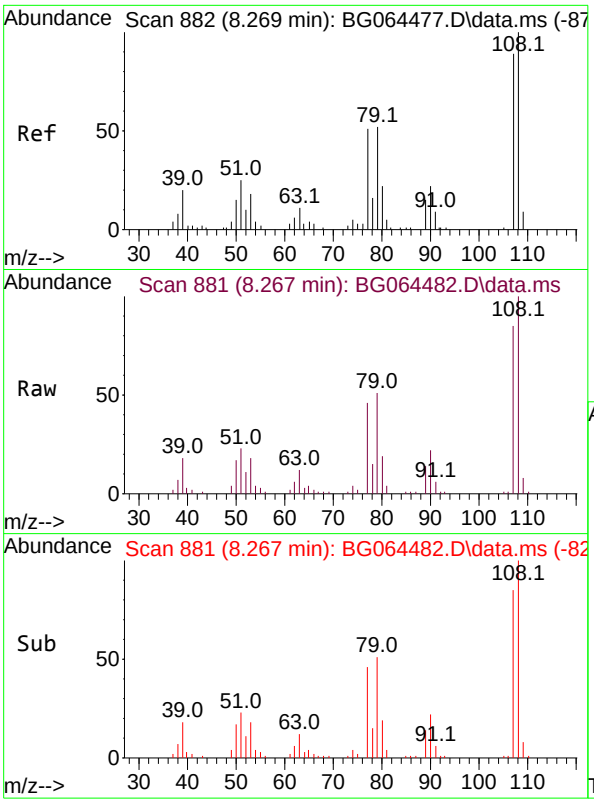


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.204 ng
RT: 8.349 min Scan# 895
Delta R.T. 0.012 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion: 45 Resp: 48934

Ion	Ratio	Lower	Upper
45	100		
77	12.3	0.0	35.6
79	8.5	0.0	30.7

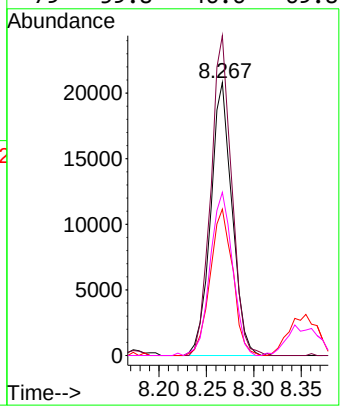




#17
2-Methylphenol
Concen: 38.553 ng
RT: 8.267 min Scan# 88
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:107 Resp: 3275

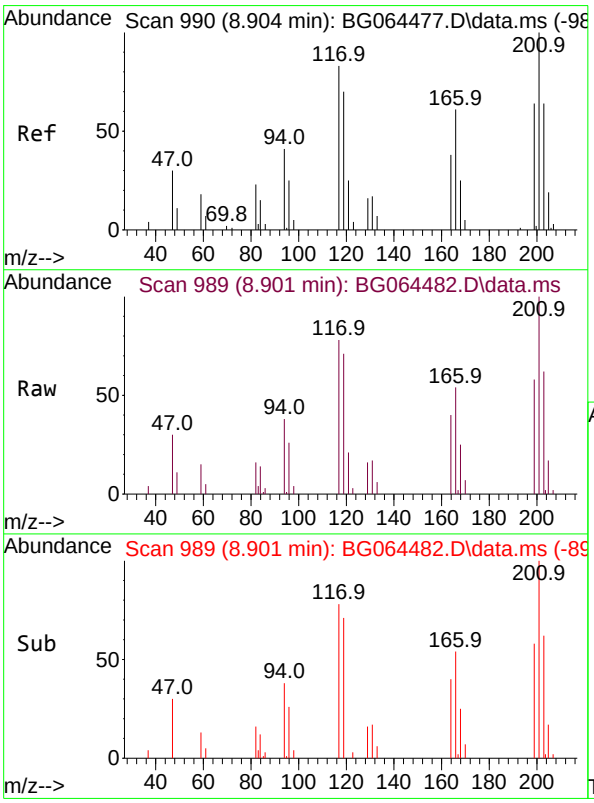
Ion	Ratio	Lower	Upper
107	100		
108	117.2	90.3	135.5
77	53.7	46.0	69.0
79	59.8	46.6	69.8



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

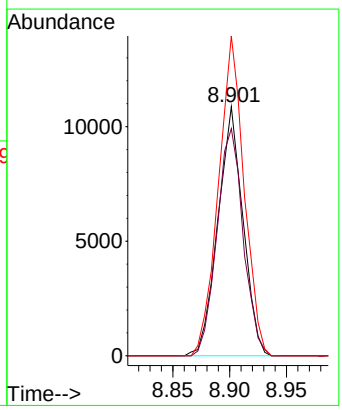
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

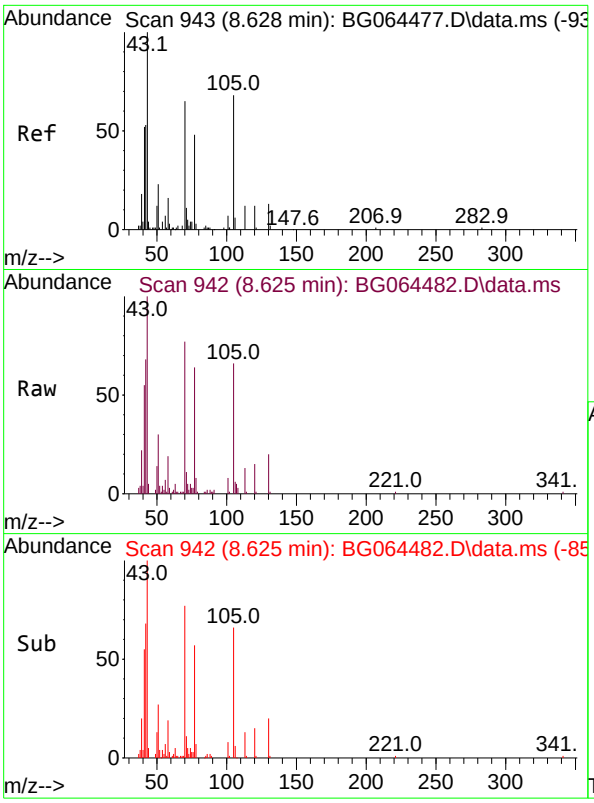


#18
Hexachloroethane
Concen: 37.877 ng
RT: 8.901 min Scan# 989
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:117 Resp: 16683

Ion	Ratio	Lower	Upper
117	100		
119	91.2	67.4	101.0
201	128.4	95.9	143.9

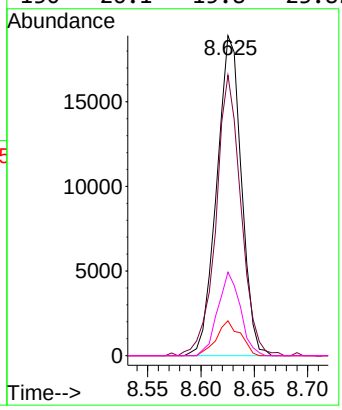




#19
n-Nitroso-di-n-propylamine
Concen: 40.984 ng
RT: 8.625 min Scan# 94
Delta R.T. 0.012 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion: 70 Resp: 3048

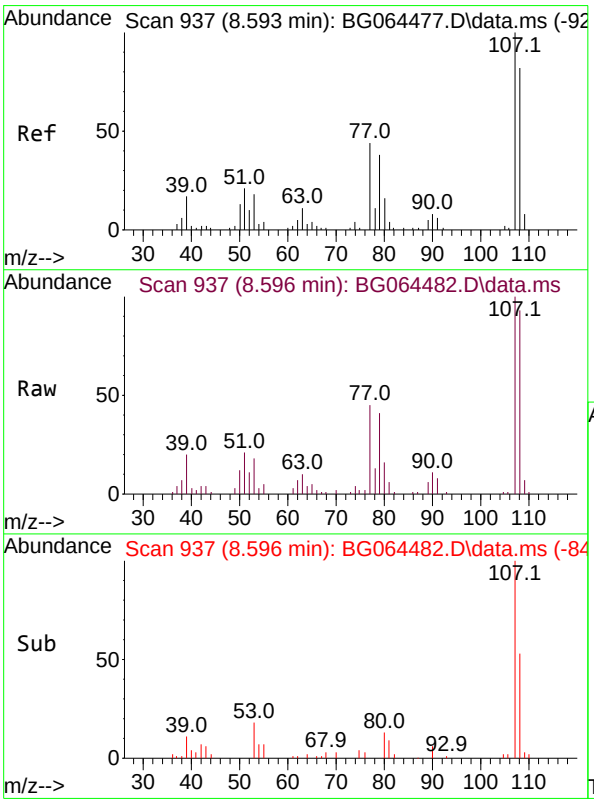
Ion	Ratio	Lower	Upper
70	100		
42	87.6	64.9	97.3
101	10.9	8.7	13.1
130	26.1	15.8	23.8#



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

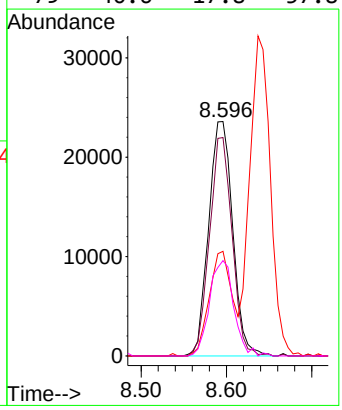
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

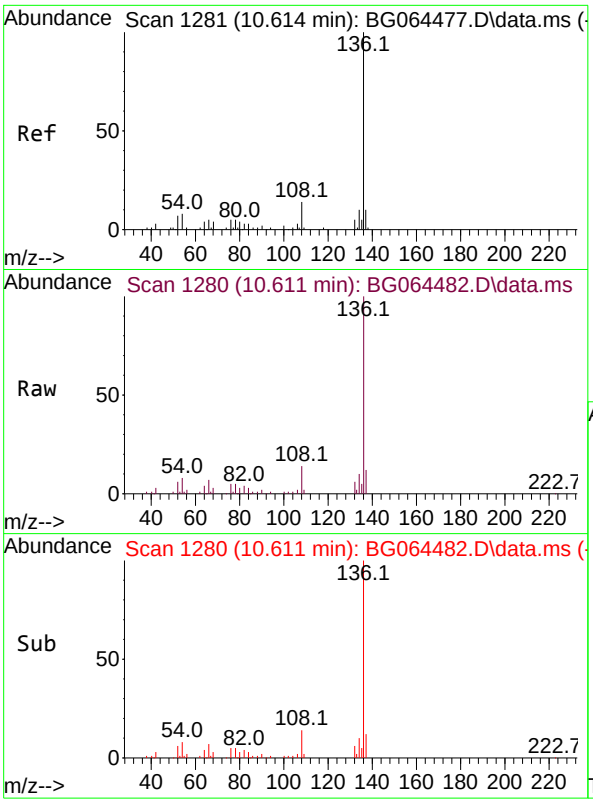


#20
3+4-Methylphenols
Concen: 38.893 ng
RT: 8.596 min Scan# 937
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:107 Resp: 46114

Ion	Ratio	Lower	Upper
107	100		
108	93.1	62.1	102.1
77	44.6	23.5	63.5
79	40.6	17.8	57.8

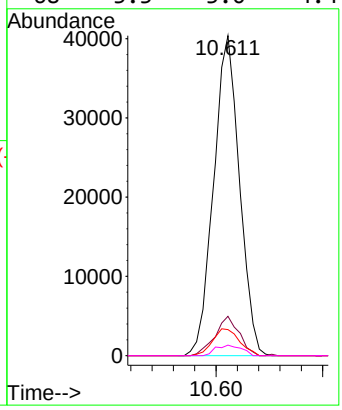




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.611 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:136 Resp: 6810

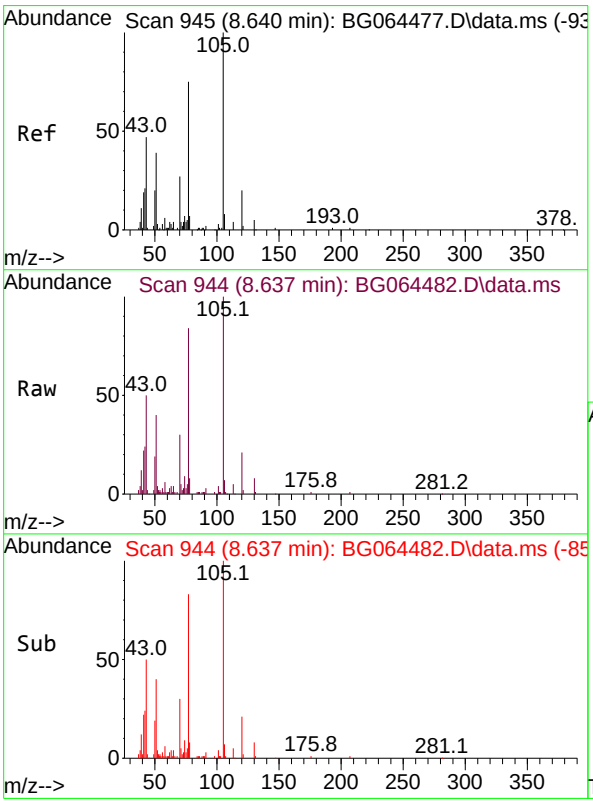
Ion	Ratio	Lower	Upper
136	100		
137	12.3	8.3	12.5
54	8.1	6.2	9.4
68	3.3	3.0	4.4



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

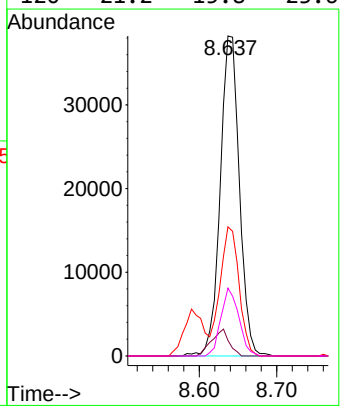
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

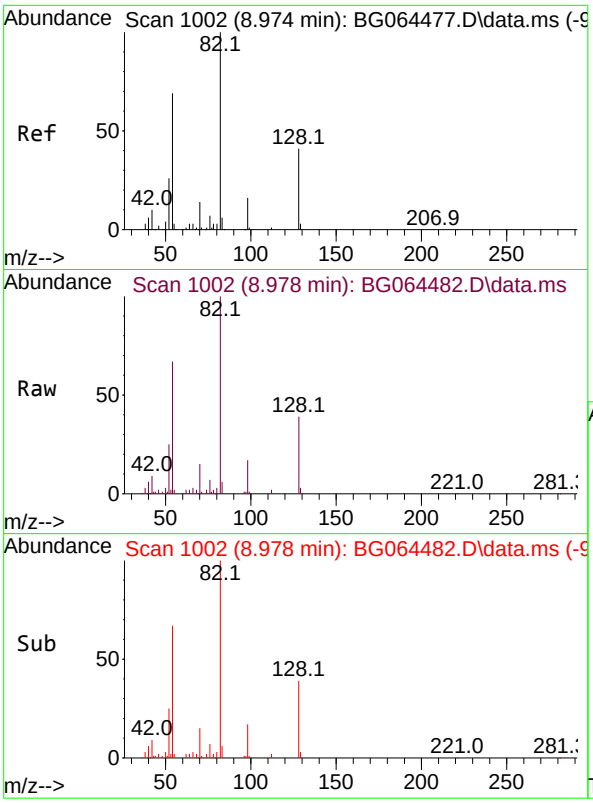


#22
Acetophenone
Concen: 39.906 ng
RT: 8.637 min Scan# 944
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:105 Resp: 65802

Ion	Ratio	Lower	Upper
105	100		
71	4.8	2.8	4.2#
51	40.3	33.0	49.4
120	21.2	15.8	23.6

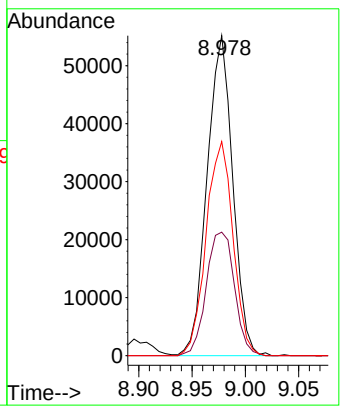




#23
Nitrobenzene-d5
Concen: 72.999 ng
RT: 8.978 min Scan# 1
Delta R.T. 0.012 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion: 82 Resp: 9245

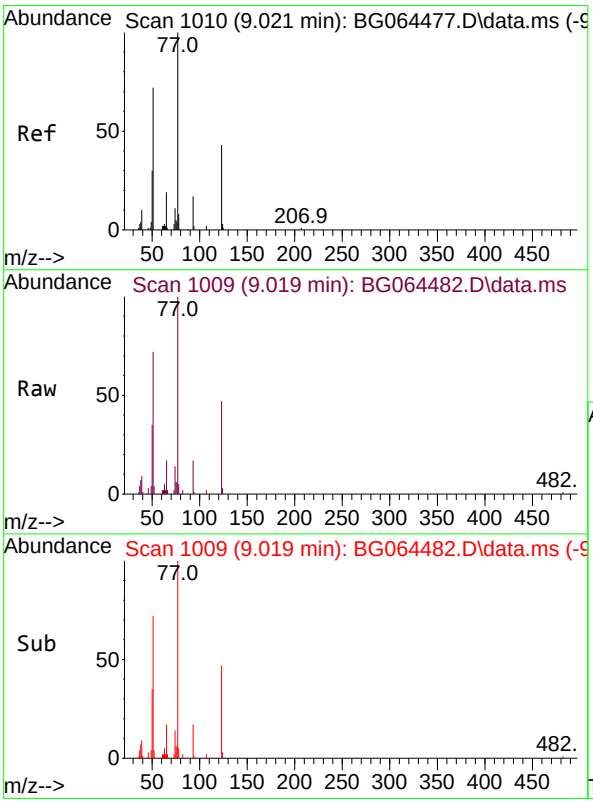
Ion	Ratio	Lower	Upper
82	100		
128	38.6	33.1	49.7
54	66.9	55.4	83.2



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations
APPROVED

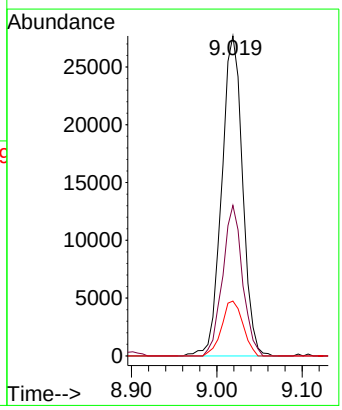
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

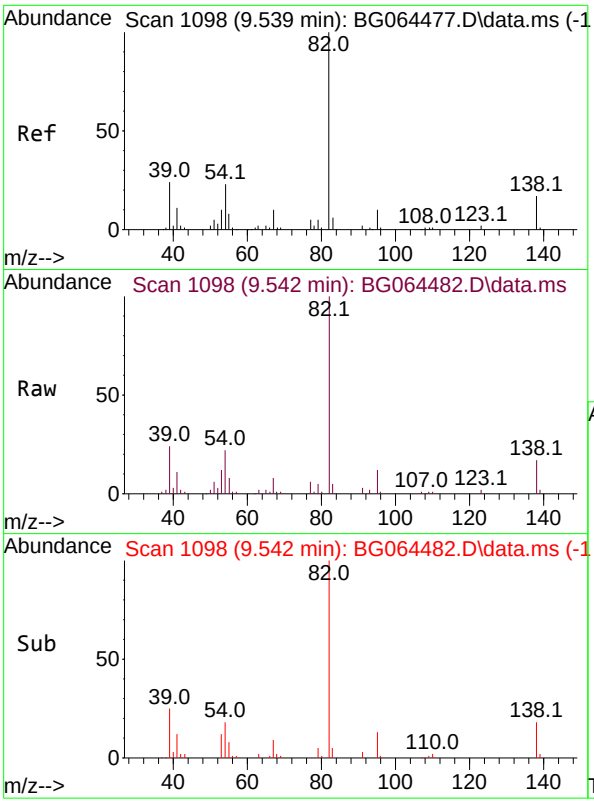


#24
Nitrobenzene
Concen: 37.170 ng
RT: 9.019 min Scan# 1009
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion: 77 Resp: 46946

Ion	Ratio	Lower	Upper
77	100		
123	47.0	34.4	51.6
65	17.1	14.8	22.2

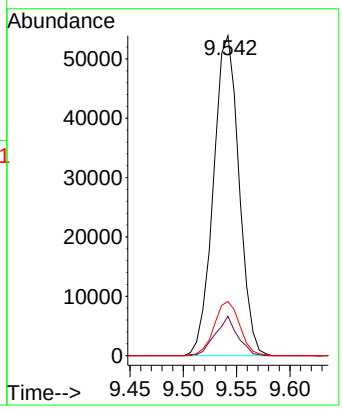




#25
Isophorone
Concen: 39.198 ng
RT: 9.542 min Scan# 1
Delta R.T. 0.012 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion: 82 Resp: 8993

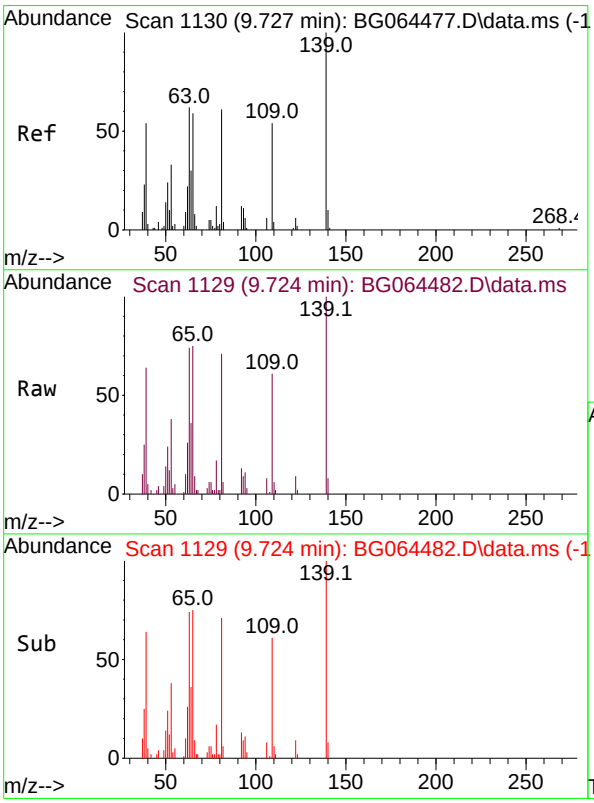
Ion	Ratio	Lower	Upper
82	100		
95	12.3	7.8	11.8#
138	16.9	13.8	20.6



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

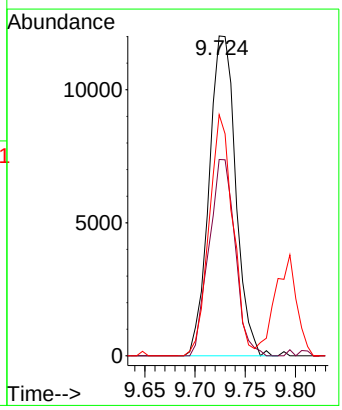
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

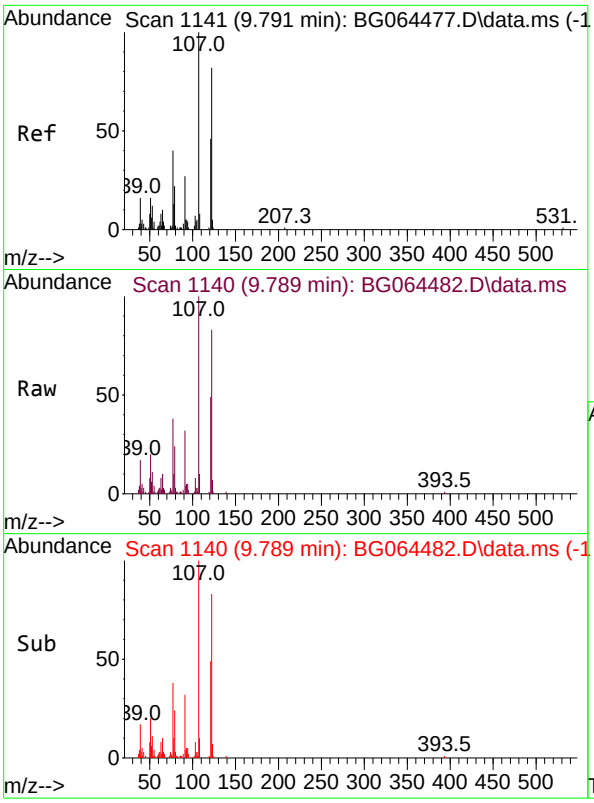


#26
2-Nitrophenol
Concen: 35.388 ng
RT: 9.724 min Scan# 1129
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:139 Resp: 22245

Ion	Ratio	Lower	Upper
139	100		
109	61.4	43.0	64.6
65	75.4	47.4	71.2#

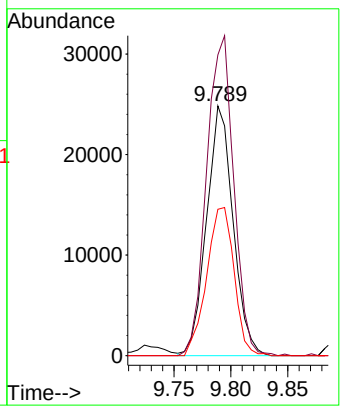




#27
2,4-Dimethylphenol
Concen: 41.959 ng
RT: 9.789 min Scan# 11
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:122 Resp: 4028

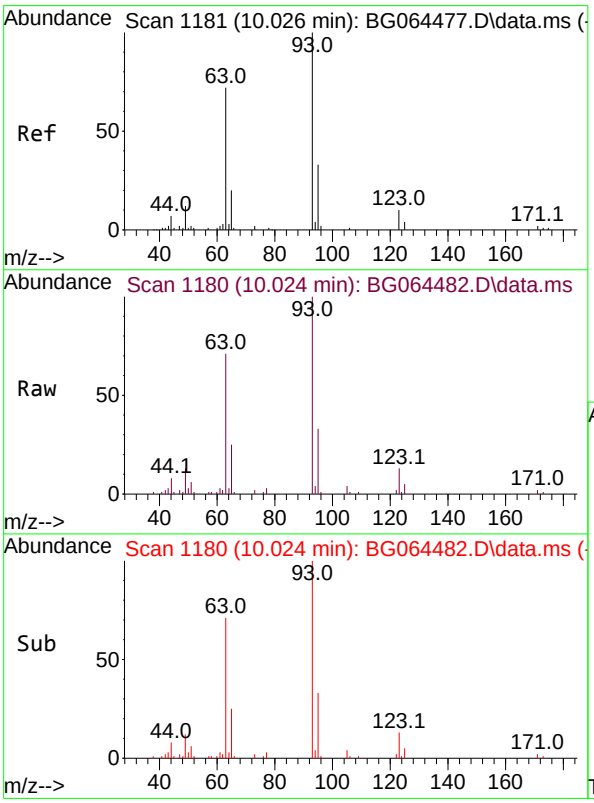
Ion	Ratio	Lower	Upper
122	100		
107	120.4	98.3	147.5
121	58.6	44.7	67.1



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations
APPROVED

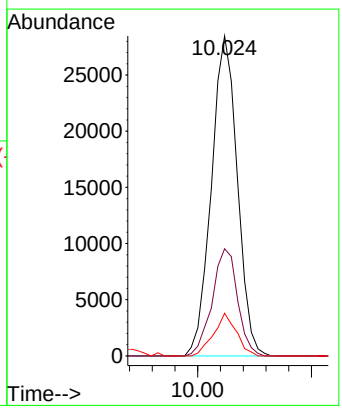
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

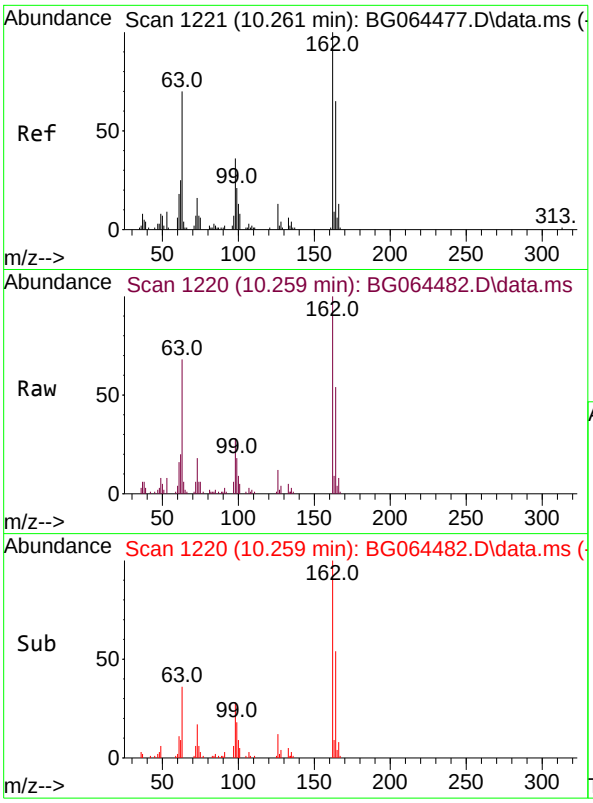


#28
bis(2-Chloroethoxy)methane
Concen: 38.540 ng
RT: 10.024 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion: 93 Resp: 45075

Ion	Ratio	Lower	Upper
93	100		
95	33.5	26.5	39.7
123	13.3	8.9	13.3

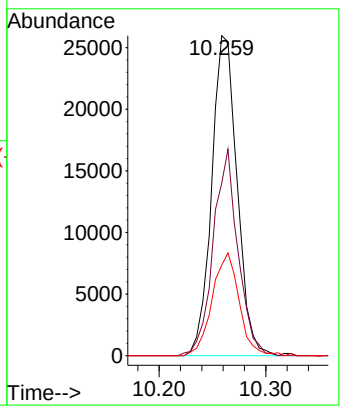




#29
2,4-Dichlorophenol
Concen: 38.857 ng
RT: 10.259 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:162 Resp: 4314

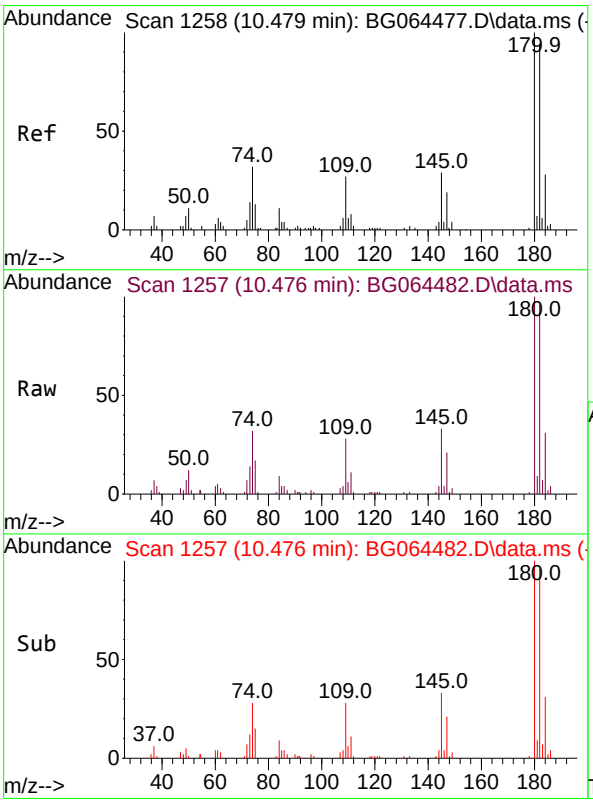
Ion	Ratio	Lower	Upper
162	100		
164	53.8	45.4	85.4
98	28.3	16.4	56.4



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

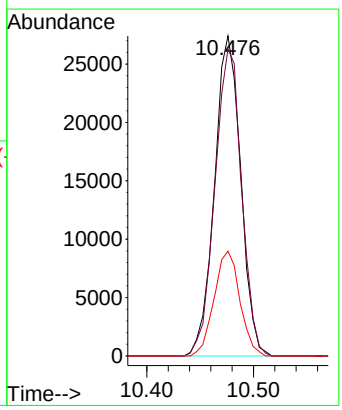
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

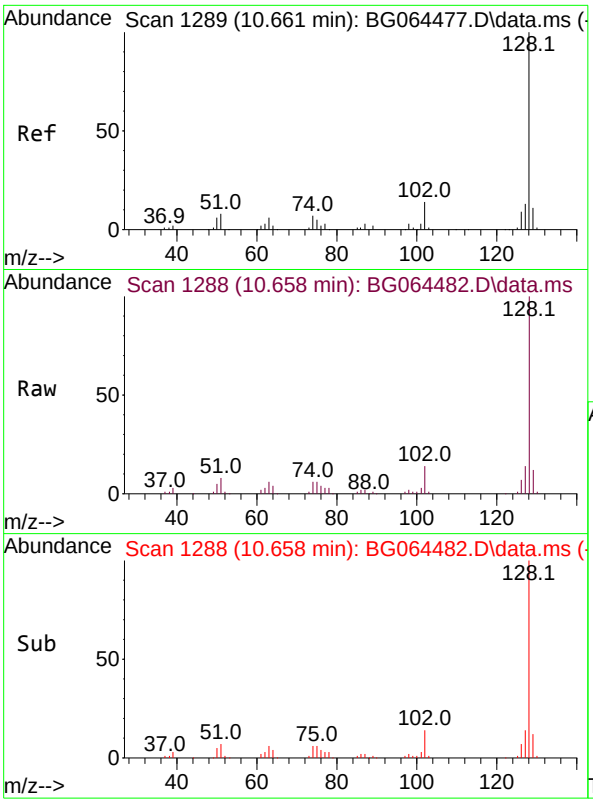


#30
1,2,4-Trichlorobenzene
Concen: 38.743 ng
RT: 10.476 min Scan# 1257
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:180 Resp: 46901

Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.4	113.2
145	32.7	23.2	34.8

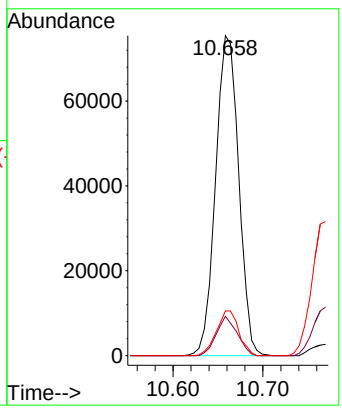




#31
Naphthalene
Concen: 38.491 ng
RT: 10.658 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:128 Resp: 13498

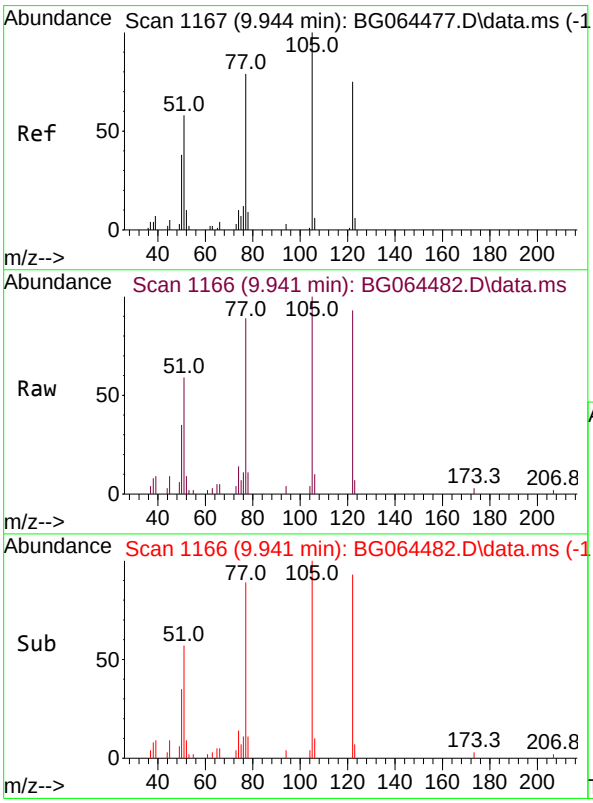
Ion	Ratio	Lower	Upper
128	100		
129	12.3	8.7	13.1
127	14.0	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

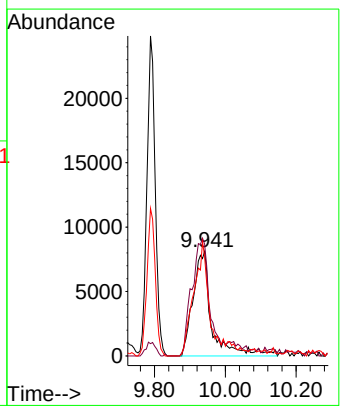
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

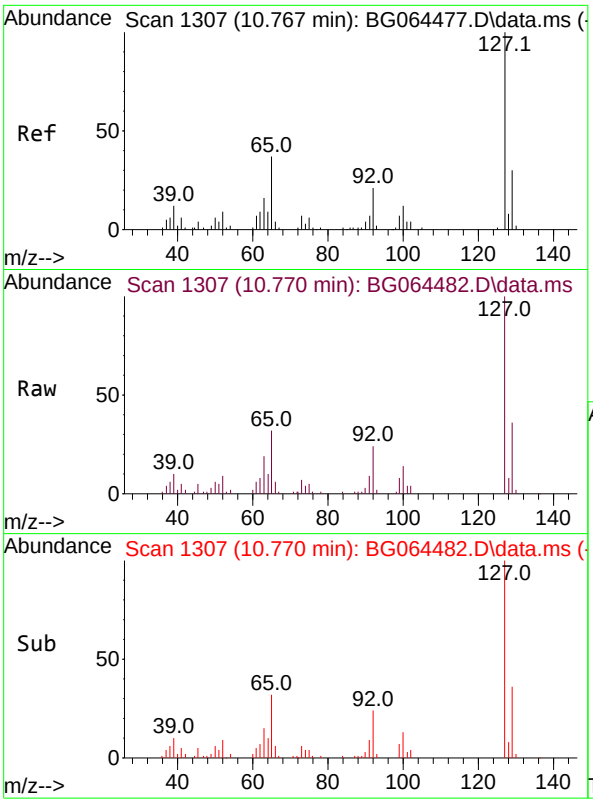


#32
Benzoic acid
Concen: 40.223 ng m
RT: 9.941 min Scan# 1166
Delta R.T. 0.053 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:122 Resp: 29650

Ion	Ratio	Lower	Upper
122	100		
105	107.2	113.9	153.9#
77	95.1	86.1	126.1

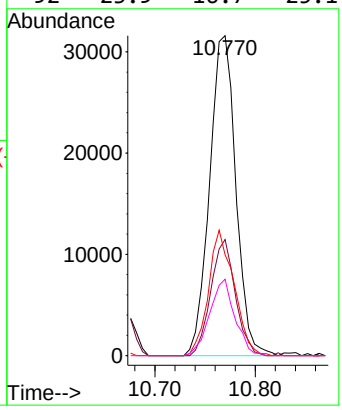




#33
4-Chloroaniline
Concen: 42.784 ng
RT: 10.770 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:127 Resp: 5757

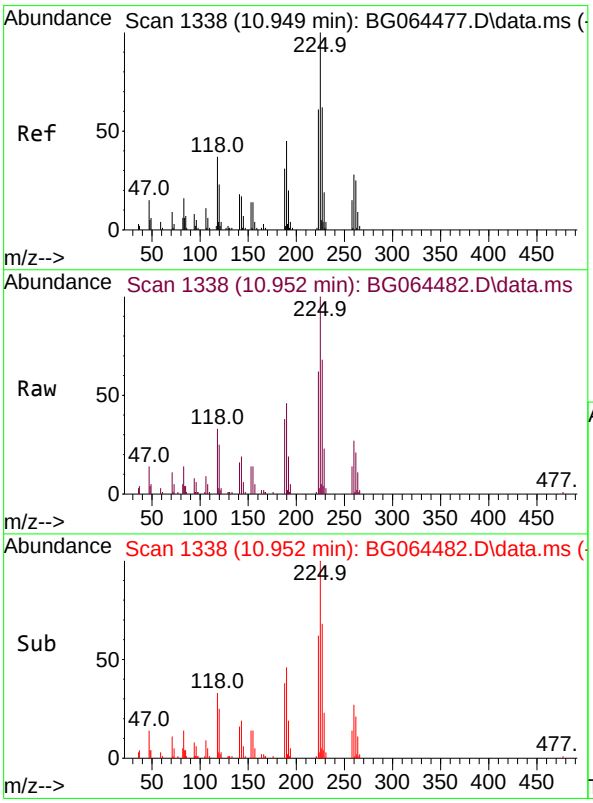
Ion	Ratio	Lower	Upper
127	100		
129	36.3	24.2	36.4
65	31.5	29.6	44.4
92	23.9	16.7	25.1



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

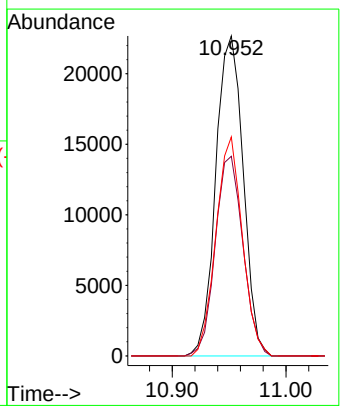
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

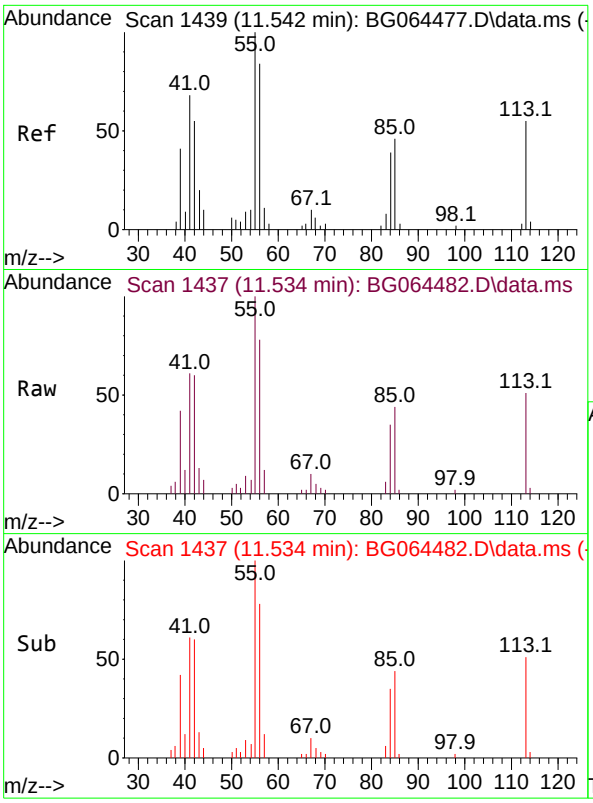


#34
Hexachlorobutadiene
Concen: 36.587 ng
RT: 10.952 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:225 Resp: 37931

Ion	Ratio	Lower	Upper
225	100		
223	65.8	49.0	73.6
227	68.4	49.9	74.9

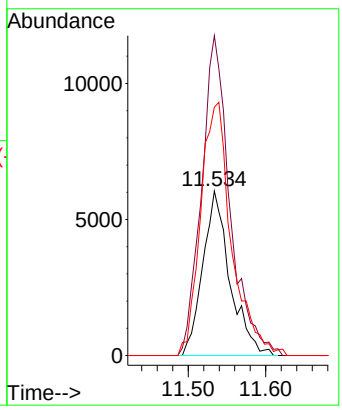




#35
Caprolactam
Concen: 38.812 ng
RT: 11.534 min Scan# 14
Delta R.T. 0.023 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:113 Resp: 1475

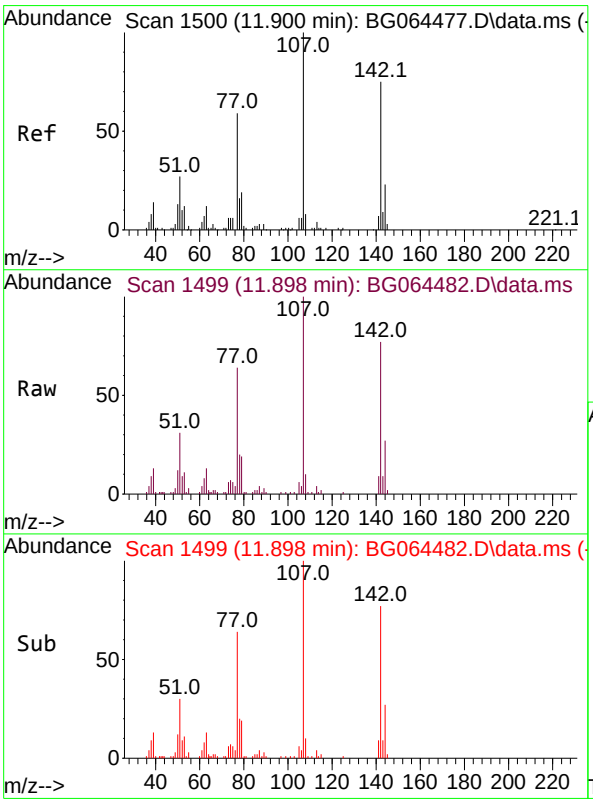
Ion	Ratio	Lower	Upper
113	100		
55	194.4	162.0	202.0
56	150.9	134.6	174.6



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations
APPROVED

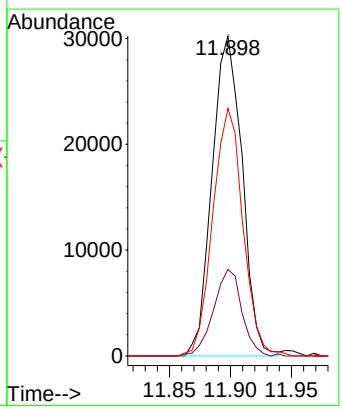
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

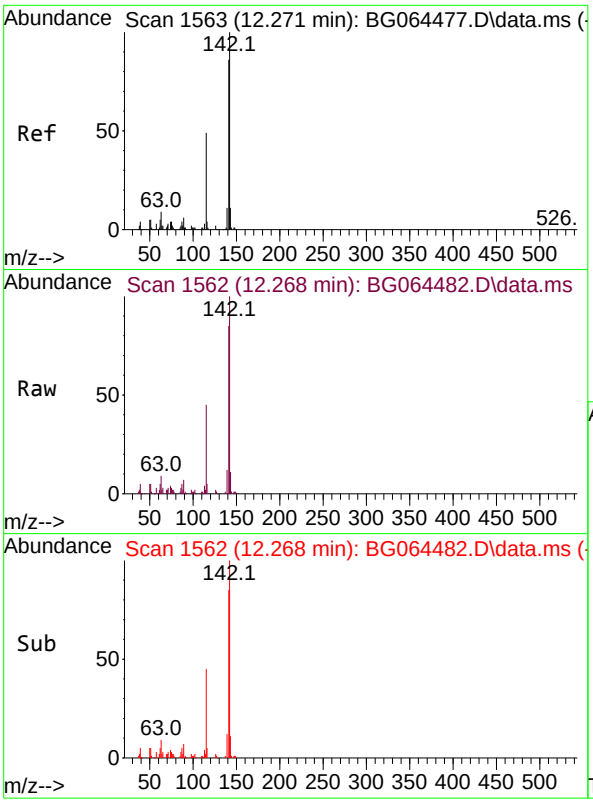


#36
4-Chloro-3-methylphenol
Concen: 38.389 ng
RT: 11.898 min Scan# 1499
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:107 Resp: 51832

Ion	Ratio	Lower	Upper
107	100		
144	27.0	18.7	28.1
142	77.3	60.2	90.2

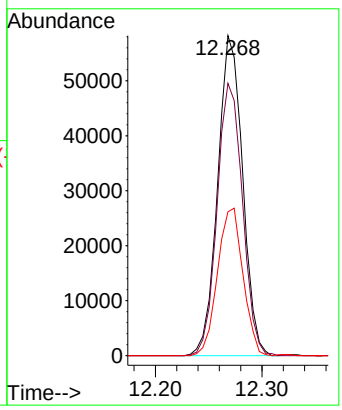




#37
2-Methylnaphthalene
Concen: 35.191 ng
RT: 12.268 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:142 Resp: 9473

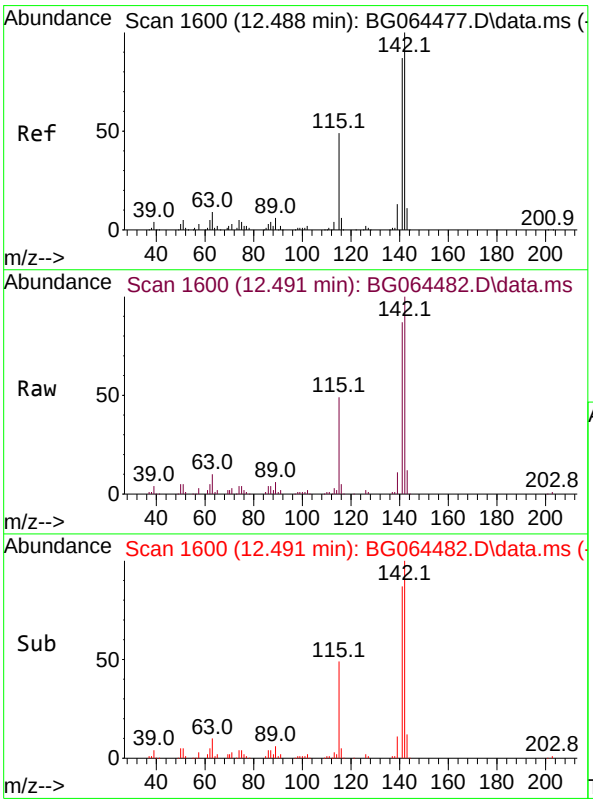
Ion	Ratio	Lower	Upper
142	100		
141	85.1	68.7	103.1
115	44.9	39.3	58.9



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations
APPROVED

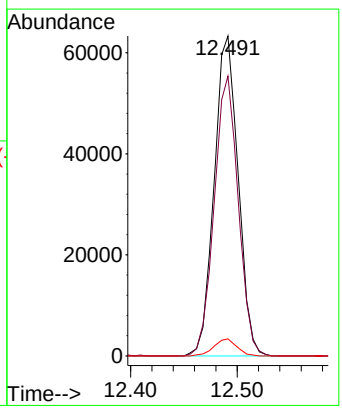
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

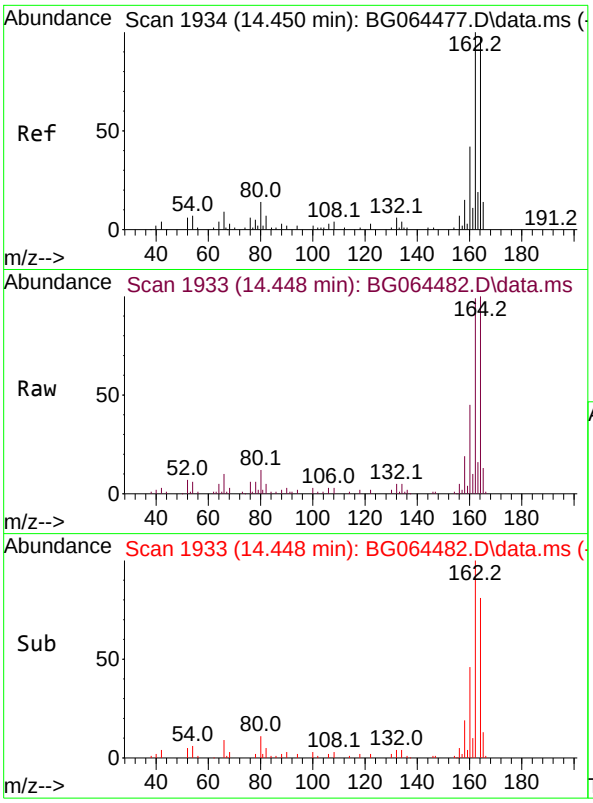


#38
1-Methylnaphthalene
Concen: 36.933 ng
RT: 12.491 min Scan# 1600
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:142 Resp: 99137

Ion	Ratio	Lower	Upper
142	100		
141	87.4	69.8	104.8
116	5.3	4.6	6.8

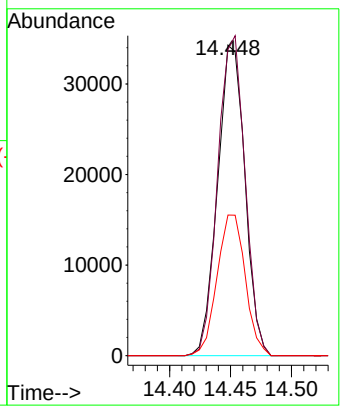




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.448 min Scan# 19
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:164 Resp: 5370

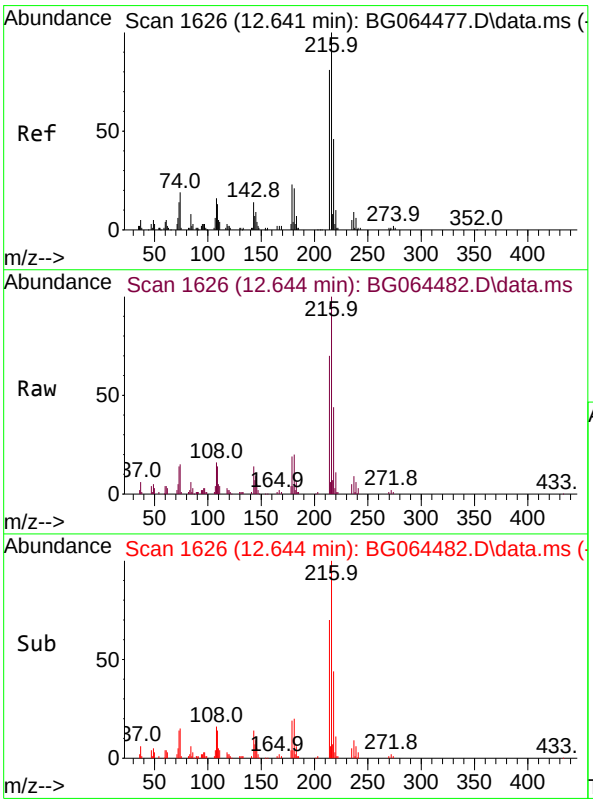
Ion	Ratio	Lower	Upper
164	100		
162	98.6	82.2	123.2
160	45.3	34.3	51.5



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

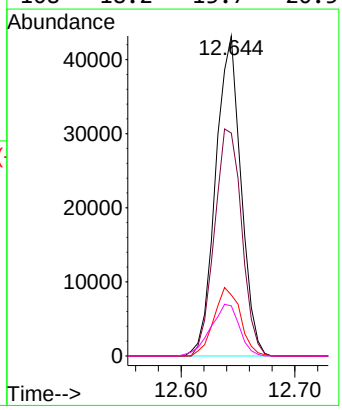
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

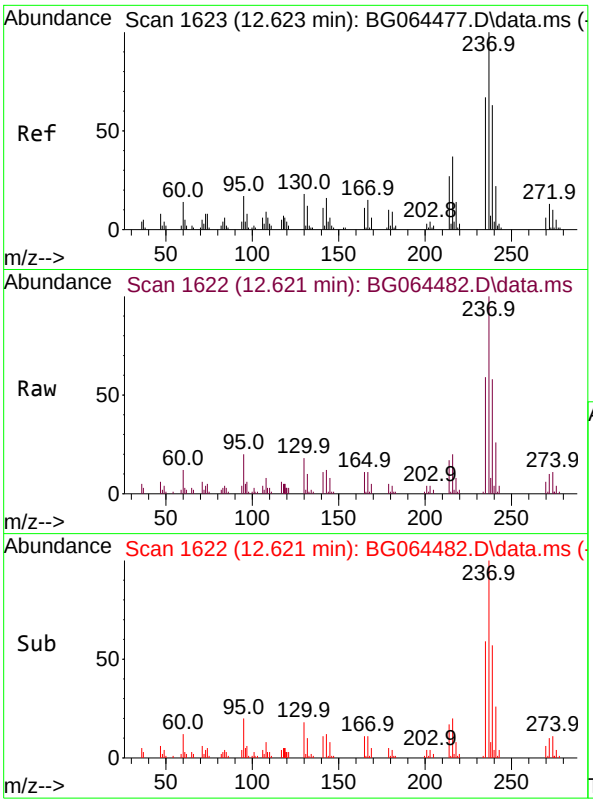


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.511 ng
RT: 12.644 min Scan# 1626
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:216 Resp: 66779

Ion	Ratio	Lower	Upper
216	100		
214	76.2	62.5	93.7
179	22.3	17.0	25.6
108	18.2	13.7	20.5

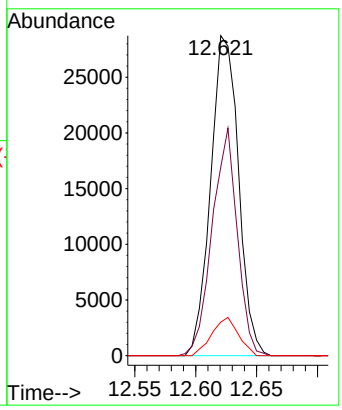




#41
Hexachlorocyclopentadiene
Concen: 50.483 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:237 Resp: 4579

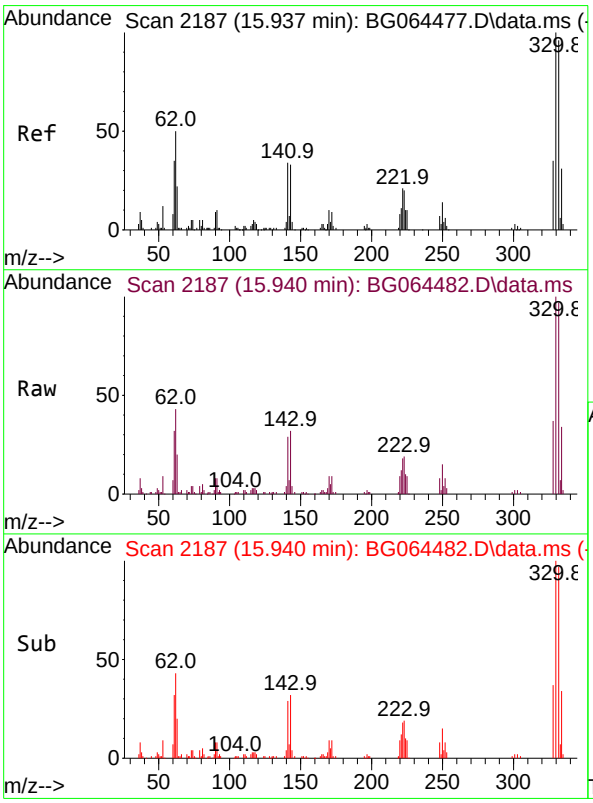
Ion	Ratio	Lower	Upper
237	100		
235	58.9	46.9	86.9
272	10.5	0.0	32.6



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

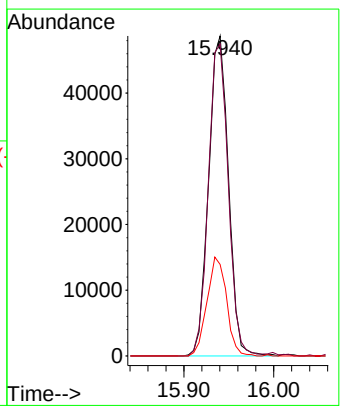
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

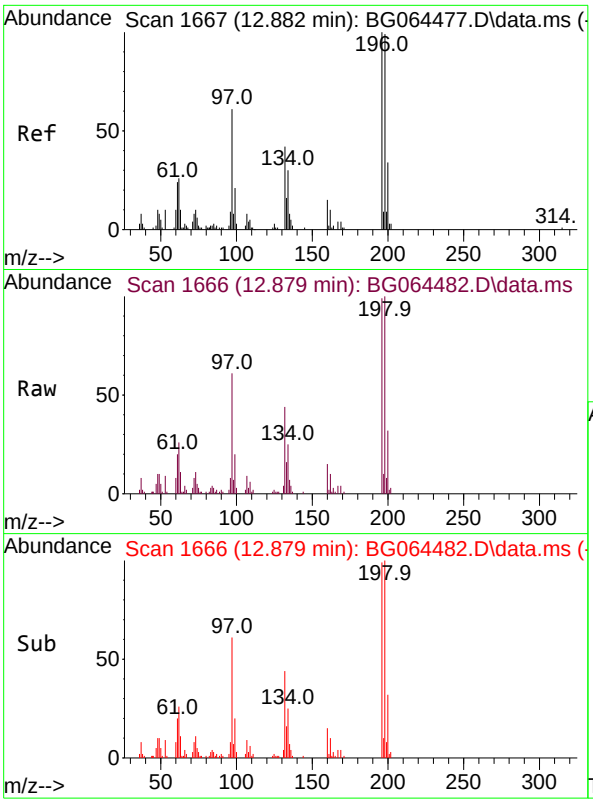


#42
2,4,6-Tribromophenol
Concen: 76.705 ng
RT: 15.940 min Scan# 2187
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:330 Resp: 74669

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.4	116.0
141	30.4	25.8	38.6

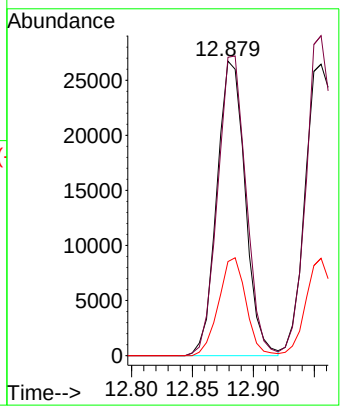




#43
2,4,6-Trichlorophenol
Concen: 39.030 ng
RT: 12.879 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:196 Resp: 4326

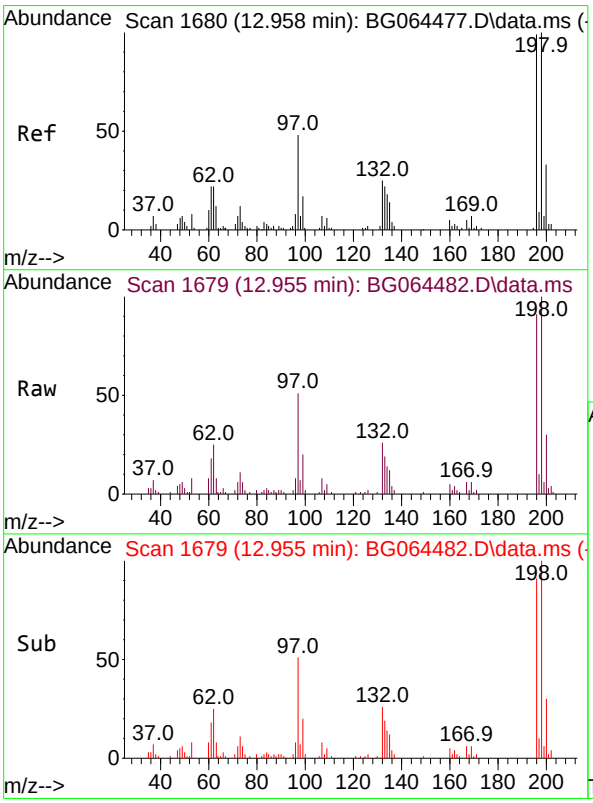
Ion	Ratio	Lower	Upper
196	100		
198	101.3	79.3	118.9
200	31.9	27.4	41.2



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

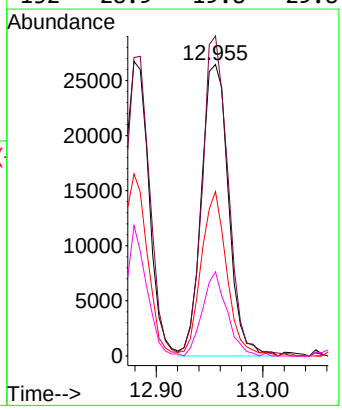
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

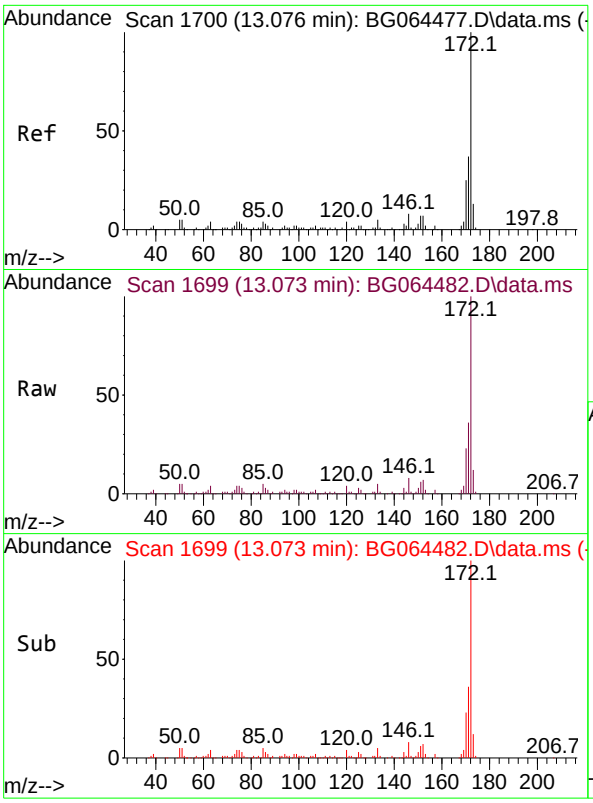


#44
2,4,5-Trichlorophenol
Concen: 37.827 ng
RT: 12.955 min Scan# 1679
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:196 Resp: 46812

Ion	Ratio	Lower	Upper
196	100		
198	109.8	80.3	120.5
97	56.4	39.4	59.0
132	28.9	19.8	29.8

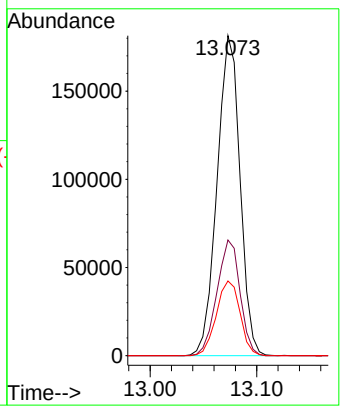




#45
2-Fluorobiphenyl
Concen: 74.539 ng
RT: 13.073 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:172 Resp: 271576

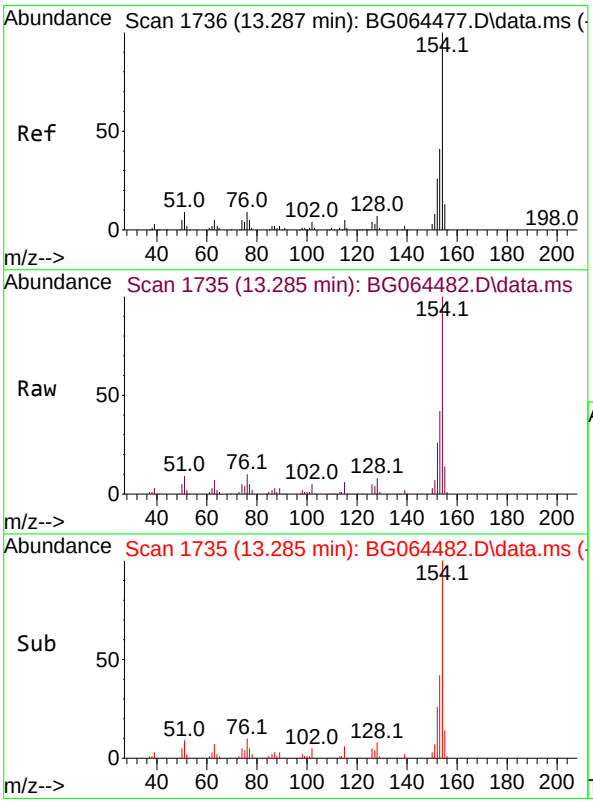
Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	23.4	20.2	30.2



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

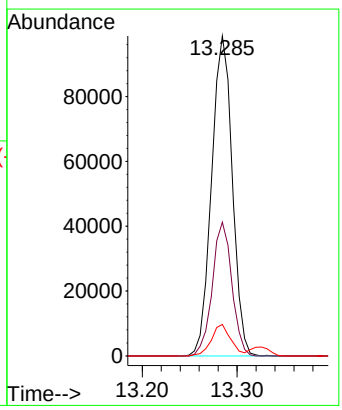
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

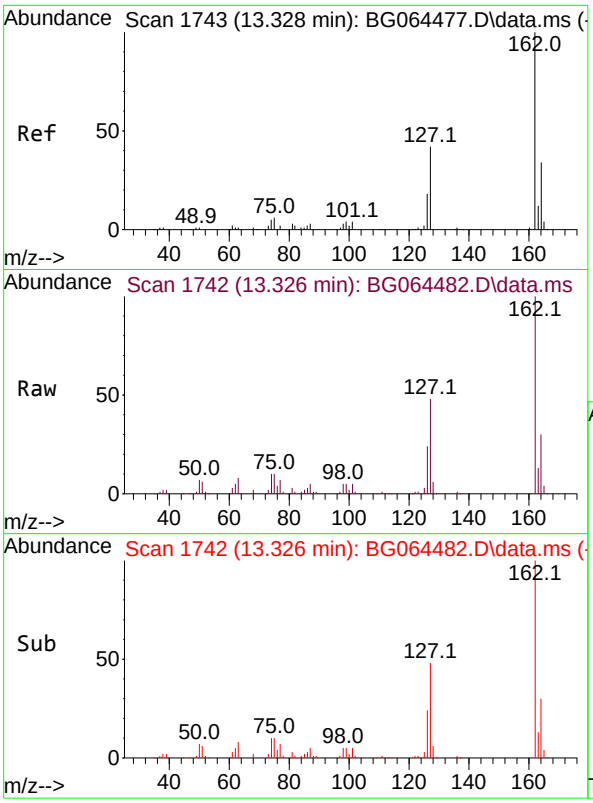


#46
1,1'-Biphenyl
Concen: 38.735 ng
RT: 13.285 min Scan# 1735
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:154 Resp: 149616

Ion	Ratio	Lower	Upper
154	100		
153	41.8	20.7	60.7
76	9.8	0.0	29.3

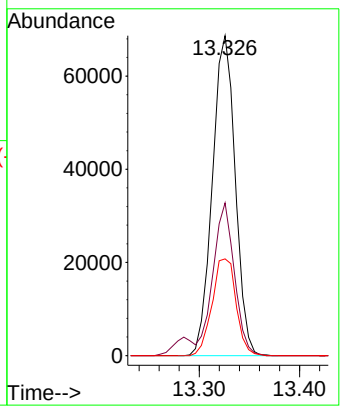




#47
2-Chloronaphthalene
Concen: 37.716 ng
RT: 13.326 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:162 Resp: 10876

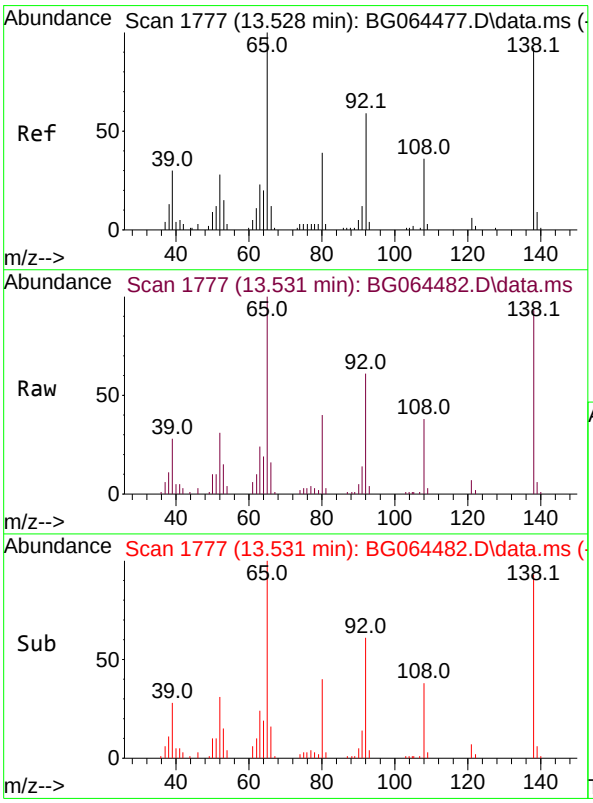
Ion	Ratio	Lower	Upper
162	100		
127	47.7	35.8	53.8
164	30.2	27.2	40.8



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

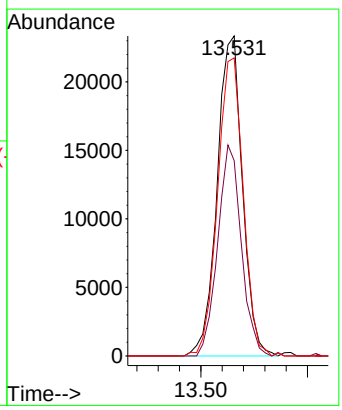
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

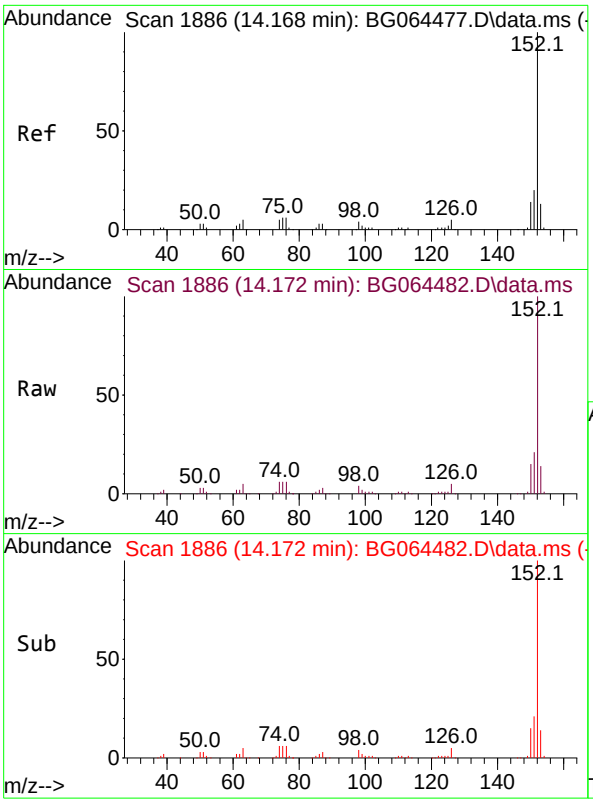


#48
2-Nitroaniline
Concen: 39.151 ng
RT: 13.531 min Scan# 1777
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion: 65 Resp: 38535

Ion	Ratio	Lower	Upper
65	100		
92	61.0	47.0	70.6
138	93.2	73.5	110.3

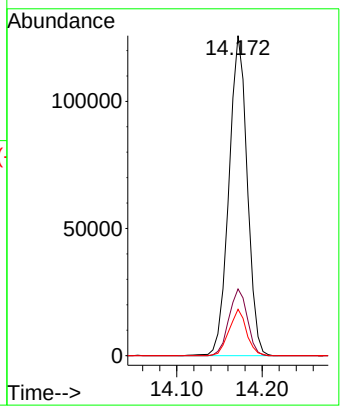




#49
Acenaphthylene
Concen: 43.842 ng
RT: 14.172 min Scan# 18
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:152 Resp: 18768

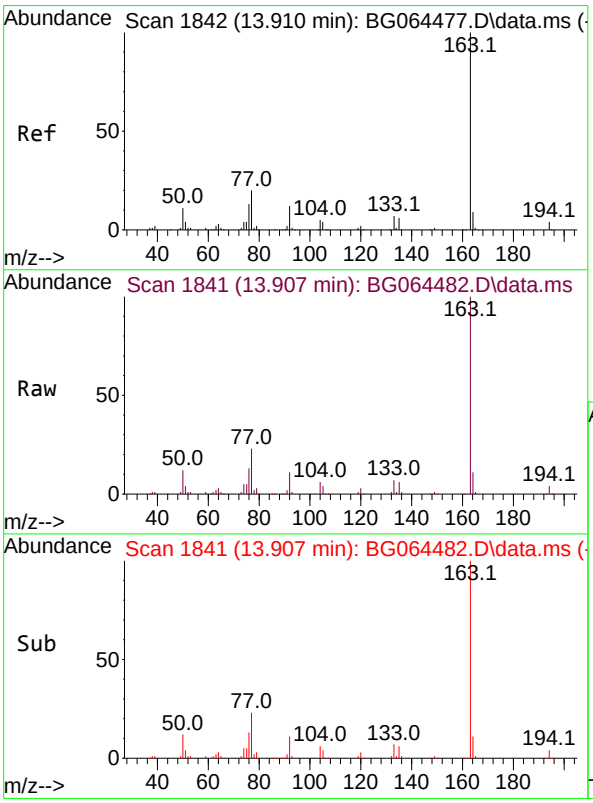
Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.8	23.6
153	14.5	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

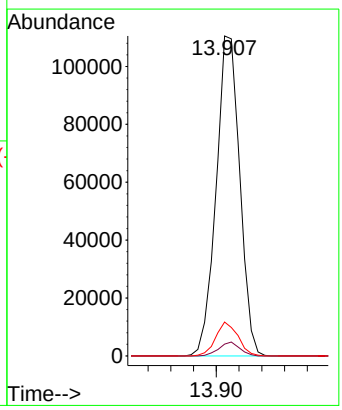
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

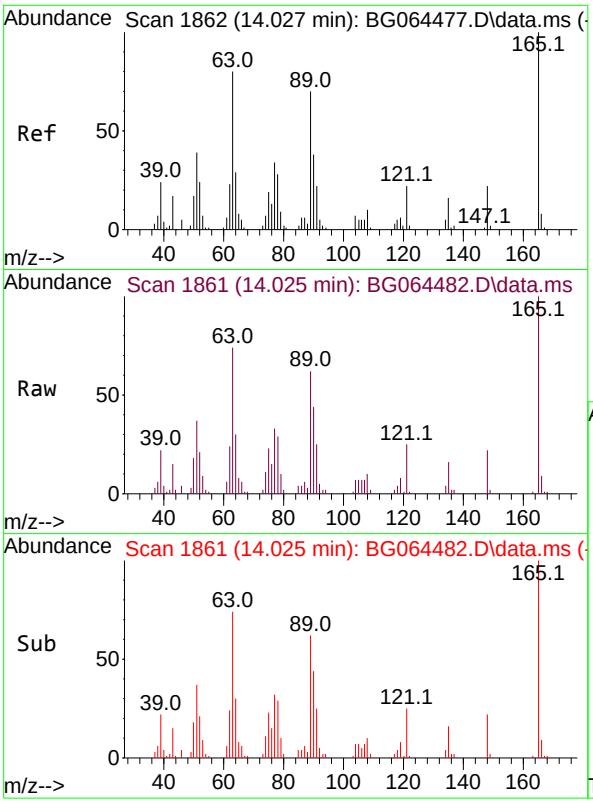


#50
Dimethylphthalate
Concen: 37.903 ng
RT: 13.907 min Scan# 1841
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:163 Resp: 159424

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.9	4.3
164	10.6	7.4	11.0





#51
2,6-Dinitrotoluene
Concen: 38.742 ng
RT: 14.025 min Scan# 18
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

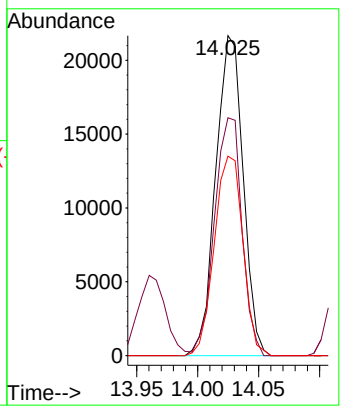
Tgt Ion:165 Resp: 3394

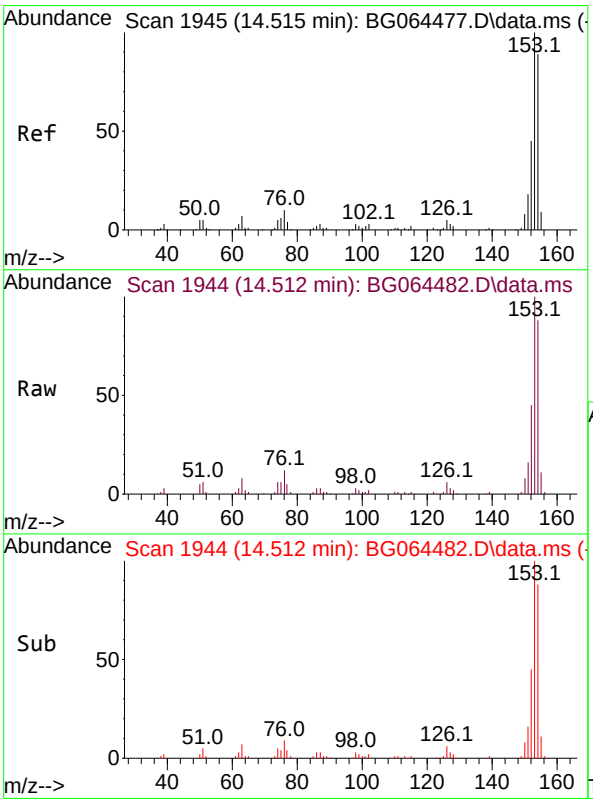
Ion	Ratio	Lower	Upper
165	100		
63	74.3	63.9	95.9
89	62.3	56.1	84.1

Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

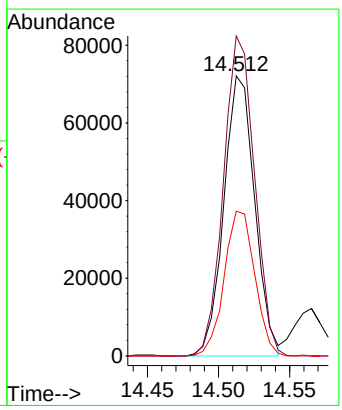


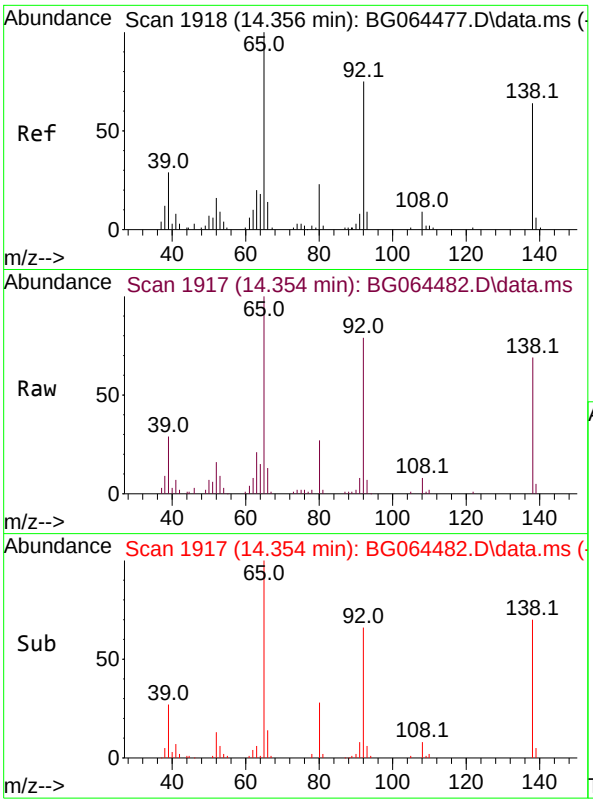


#52
Acenaphthene
Concen: 36.666 ng
RT: 14.512 min Scan# 1944
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:154 Resp: 109054

Ion	Ratio	Lower	Upper
154	100		
153	114.2	90.2	135.4
152	51.7	40.2	60.4

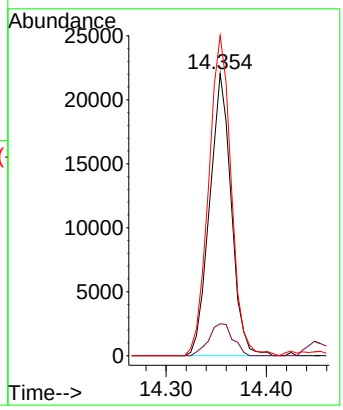




#53
3-Nitroaniline
Concen: 40.727 ng
RT: 14.354 min Scan# 19
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:138 Resp: 3291

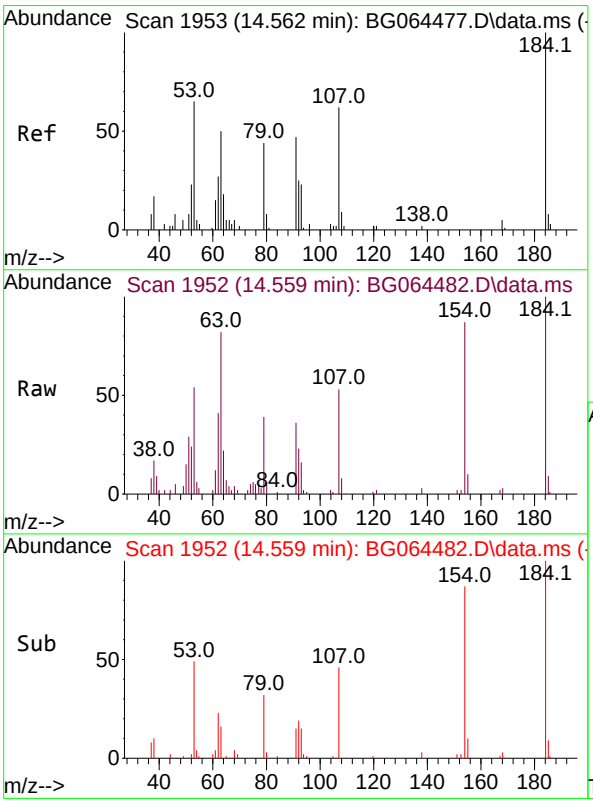
Ion	Ratio	Lower	Upper
138	100		
108	11.2	10.6	15.8
92	113.5	93.2	139.8



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

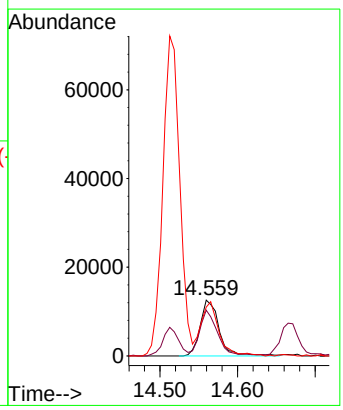
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

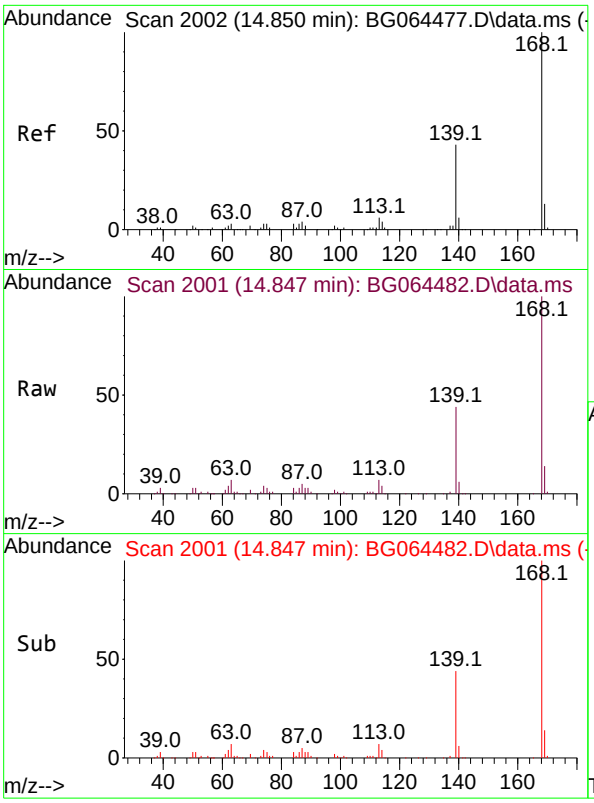


#54
2,4-Dinitrophenol
Concen: 33.540 ng
RT: 14.559 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:184 Resp: 21309

Ion	Ratio	Lower	Upper
184	100		
63	82.0	69.0	103.4
154	87.3	95.6	143.4#

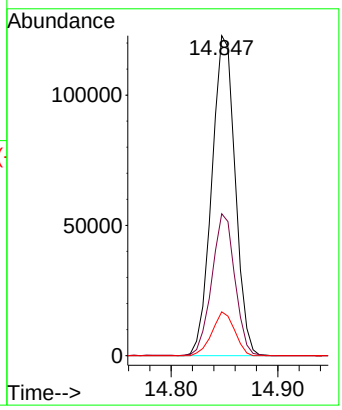




#55
Dibenzofuran
Concen: 38.141 ng
RT: 14.847 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:168 Resp: 18730

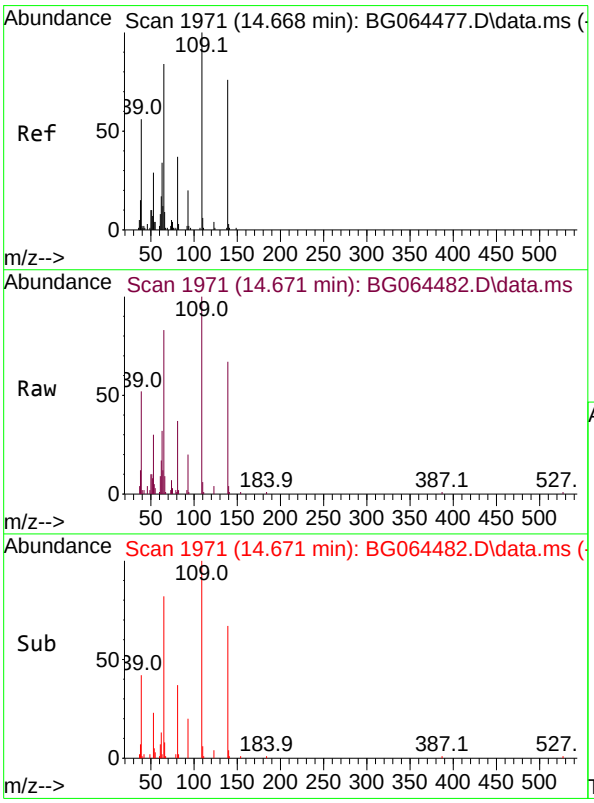
Ion	Ratio	Lower	Upper
168	100		
139	44.3	34.0	51.0
169	13.7	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

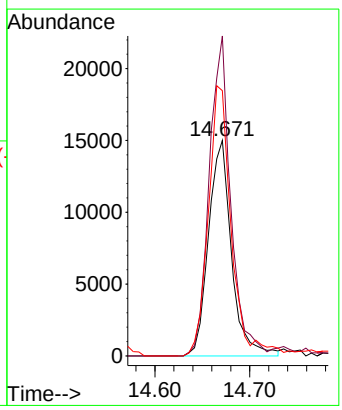
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

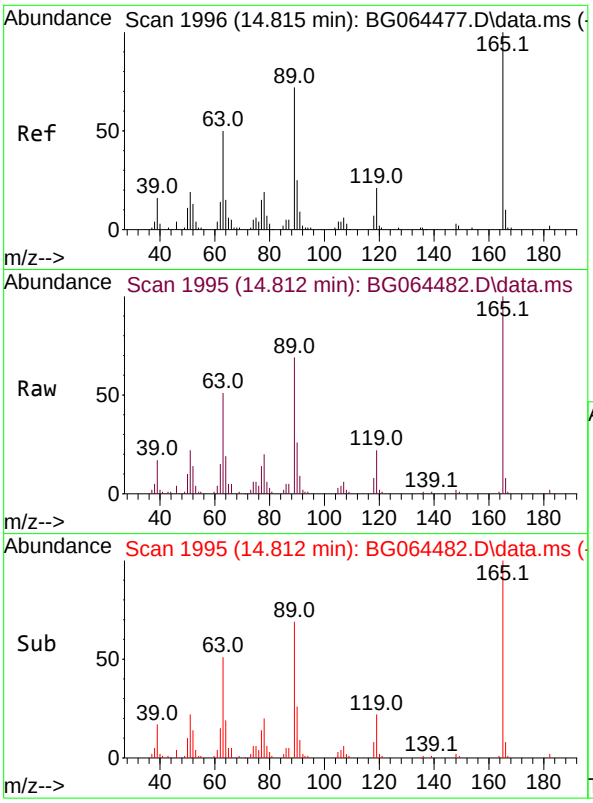


#56
4-Nitrophenol
Concen: 39.712 ng
RT: 14.671 min Scan# 1971
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:139 Resp: 25265

Ion	Ratio	Lower	Upper
139	100		
109	148.6	111.8	151.8
65	123.1	91.1	131.1

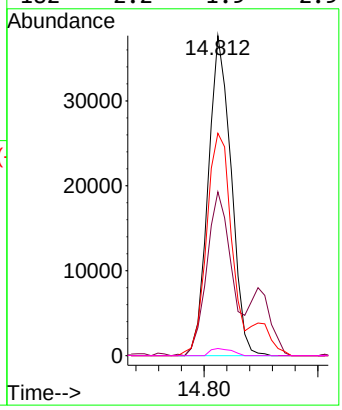




#57
2,4-Dinitrotoluene
Concen: 39.388 ng
RT: 14.812 min Scan# 19
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:165 Resp: 5275

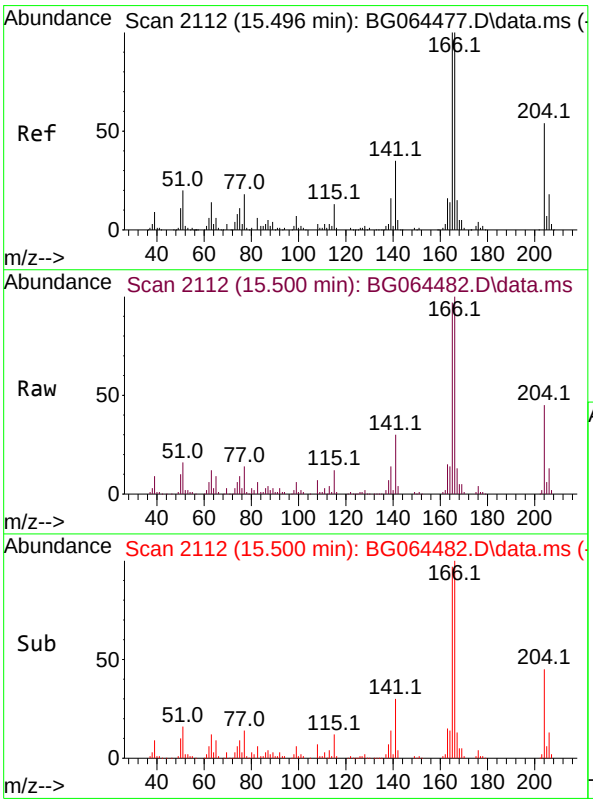
Ion	Ratio	Lower	Upper
165	100		
63	51.2	40.4	60.6
89	69.5	57.3	85.9
182	2.2	1.9	2.9



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations
APPROVED

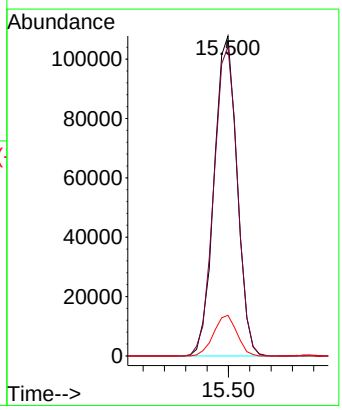
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

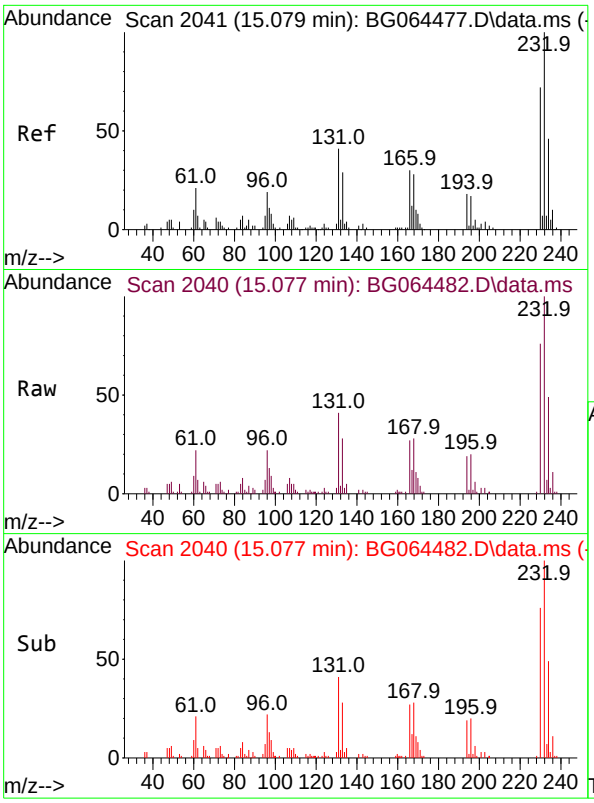


#58
Fluorene
Concen: 39.456 ng
RT: 15.500 min Scan# 2112
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:166 Resp: 161086

Ion	Ratio	Lower	Upper
166	100		
165	96.6	79.8	119.6
167	12.7	11.7	17.5

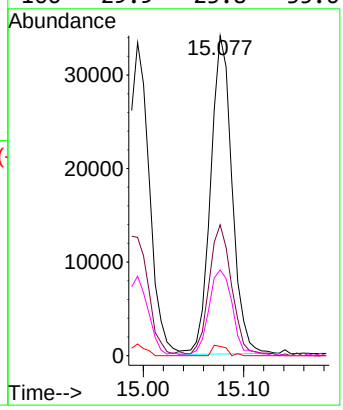




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.021 ng
RT: 15.077 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:232 Resp: 5054

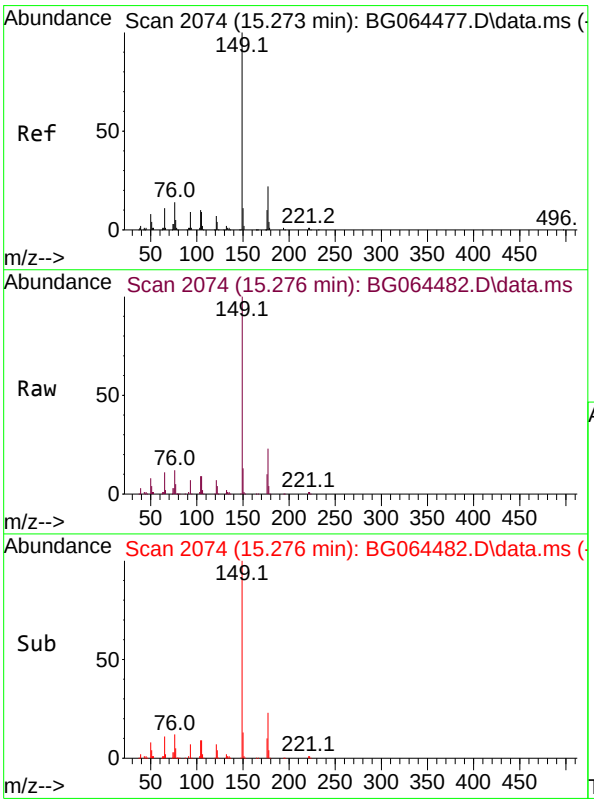
Ion	Ratio	Lower	Upper
232	100		
131	43.8	35.0	52.4
130	2.2	2.0	3.0
166	29.9	23.8	35.6



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations
APPROVED

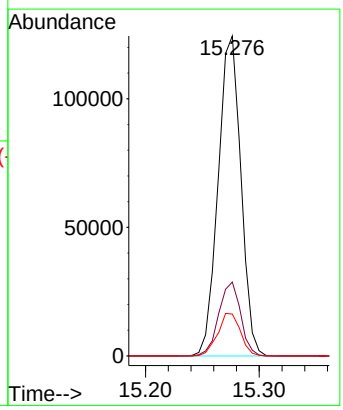
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

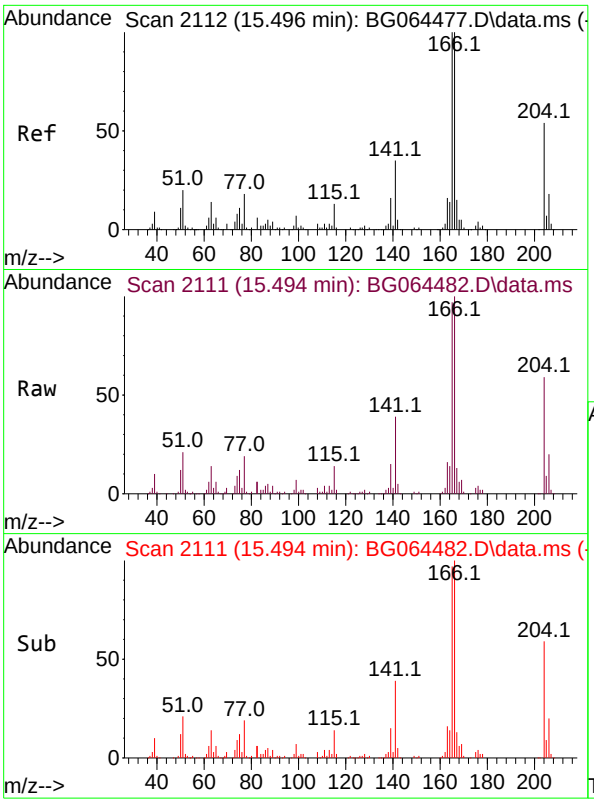


#60
Diethylphthalate
Concen: 38.317 ng
RT: 15.276 min Scan# 2074
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:149 Resp: 172891

Ion	Ratio	Lower	Upper
149	100		
177	23.1	17.4	26.0
150	13.1	9.1	13.7

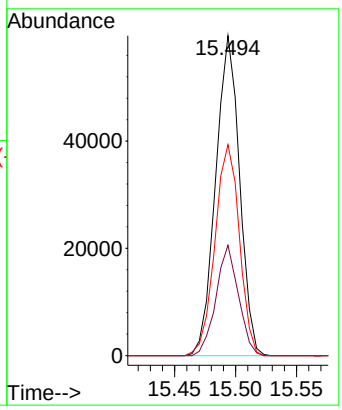




#61
4-Chlorophenyl-phenylether
Concen: 36.432 ng
RT: 15.494 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:204 Resp: 8120

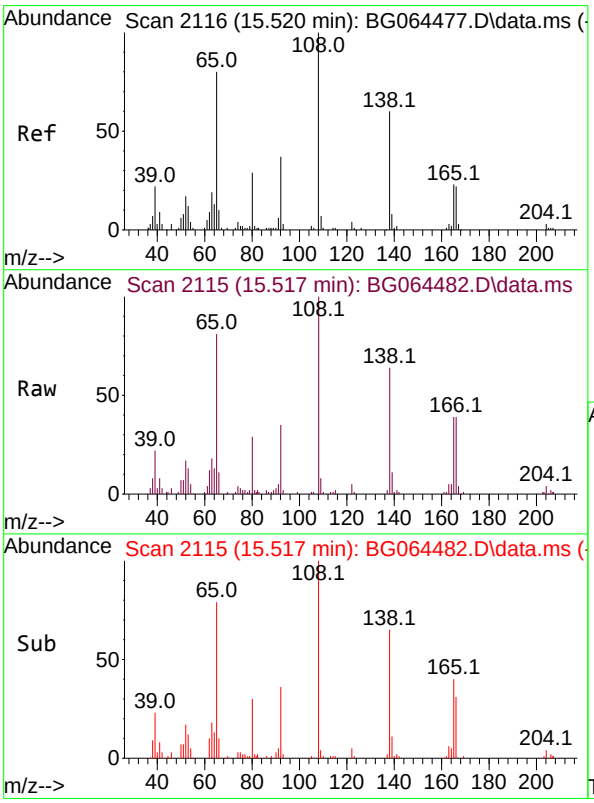
Ion	Ratio	Lower	Upper
204	100		
206	34.5	27.1	40.7
141	65.9	51.5	77.3



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations
APPROVED

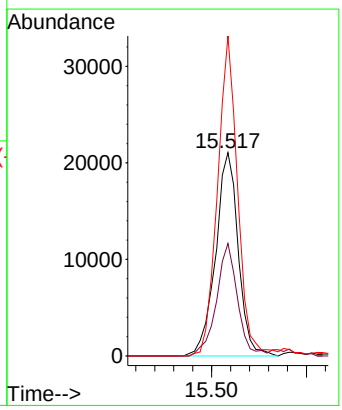
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

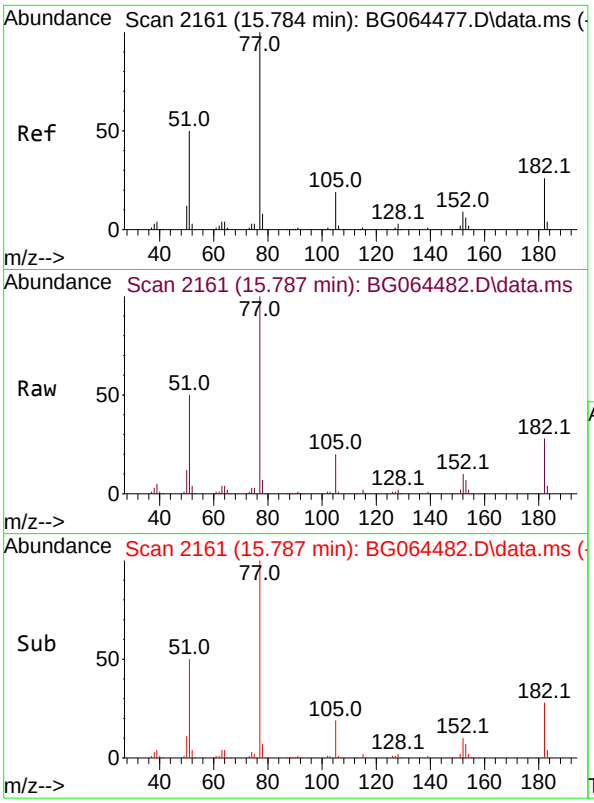


#62
4-Nitroaniline
Concen: 41.435 ng
RT: 15.517 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:138 Resp: 34897

Ion	Ratio	Lower	Upper
138	100		
92	55.3	42.3	82.3
108	157.4	147.7	187.7

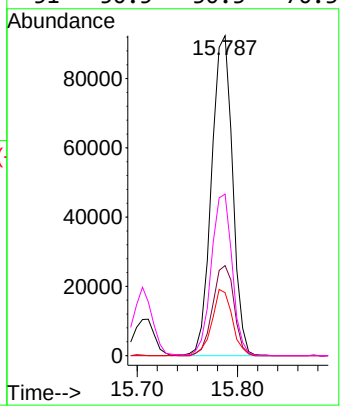




#63
Azobenzene
Concen: 38.553 ng
RT: 15.787 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion: 77 Resp: 13472

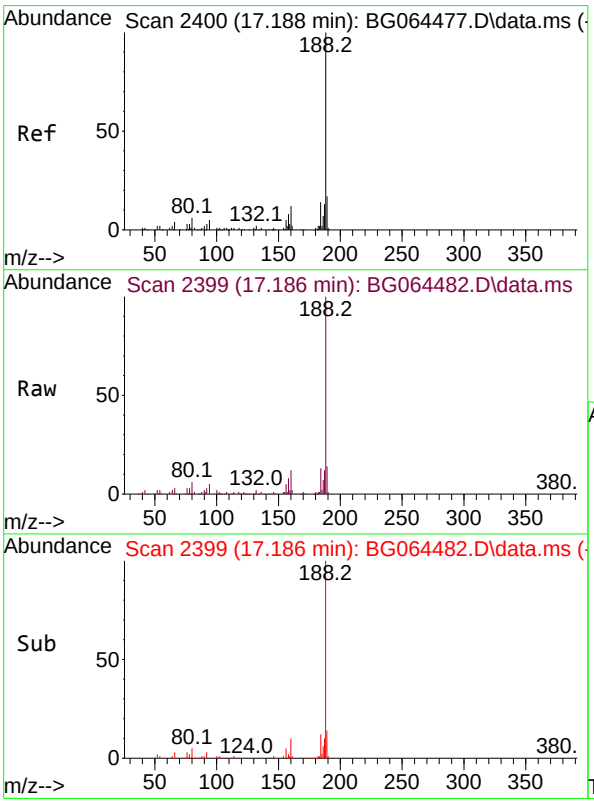
Ion	Ratio	Lower	Upper
77	100		
182	28.1	6.3	46.3
105	19.7	0.0	38.7
51	50.5	30.3	70.3



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

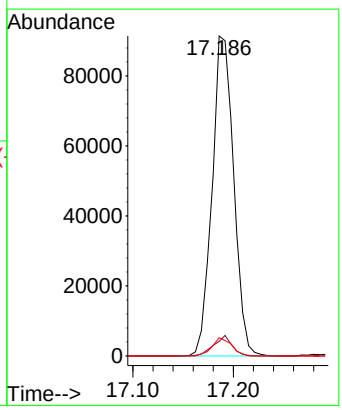
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

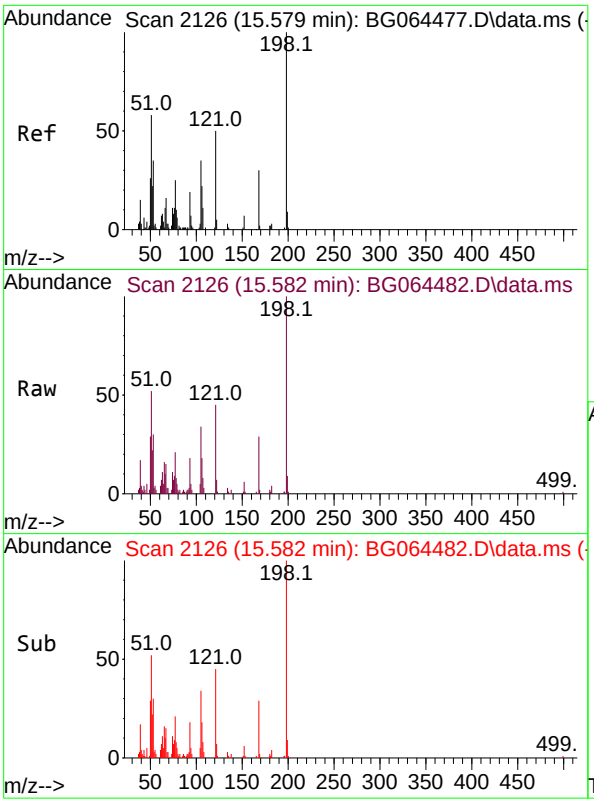


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2399
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:188 Resp: 136982

Ion	Ratio	Lower	Upper
188	100		
94	4.5	3.7	5.5
80	5.7	4.5	6.7

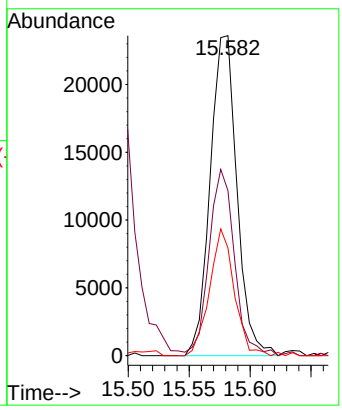




#65
4,6-Dinitro-2-methylphenol
Concen: 37.834 ng
RT: 15.582 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:198 Resp: 3608

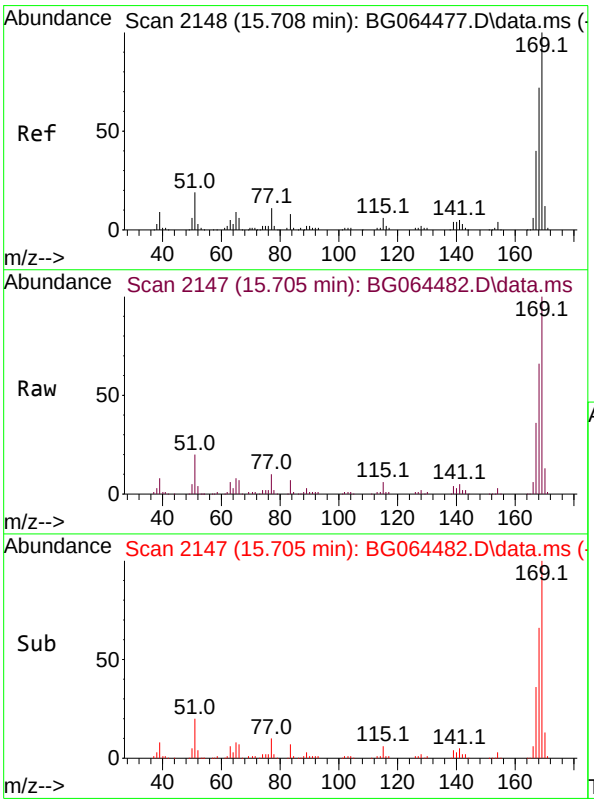
Ion	Ratio	Lower	Upper
198	100		
51	51.5	39.0	79.0
105	33.6	15.8	55.8



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

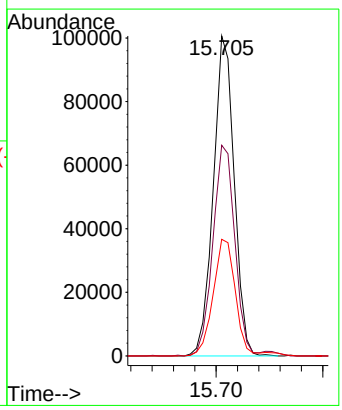
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

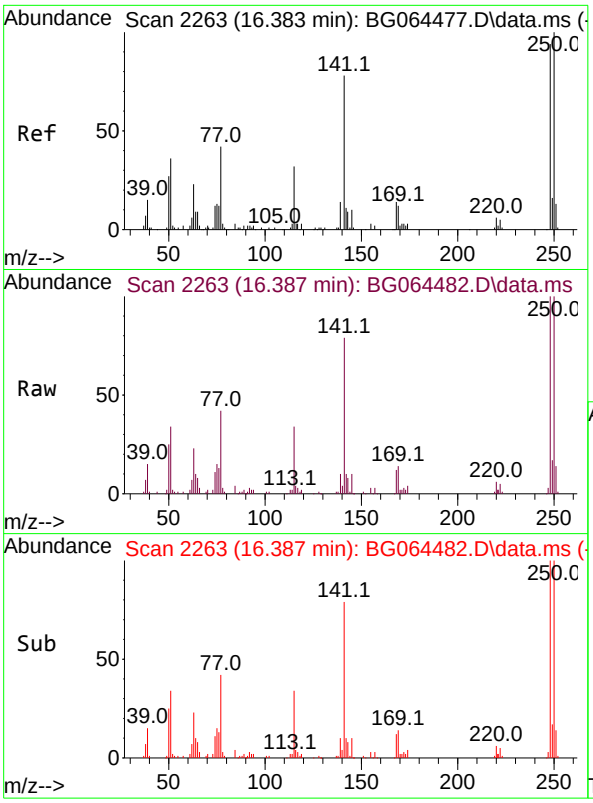


#66
n-Nitrosodiphenylamine
Concen: 37.465 ng
RT: 15.705 min Scan# 2147
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:169 Resp: 137047

Ion	Ratio	Lower	Upper
169	100		
168	65.8	57.8	86.6
167	36.4	31.7	47.5

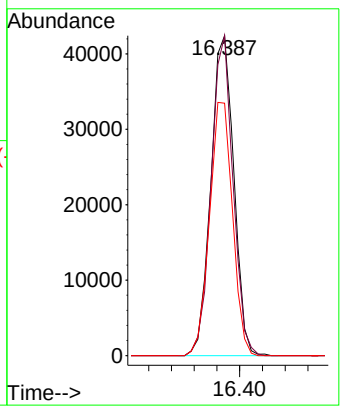




#67
4-Bromophenyl-phenylether
Concen: 36.819 ng
RT: 16.387 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:248 Resp: 5935

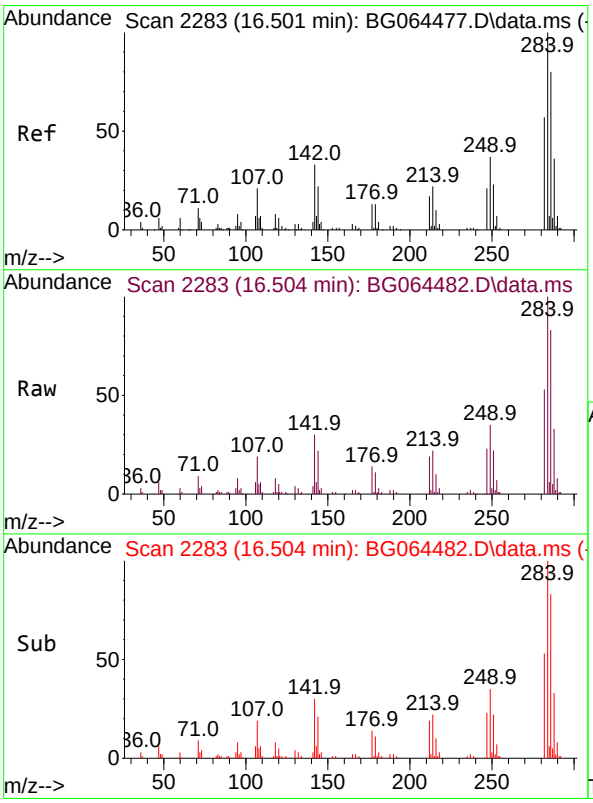
Ion	Ratio	Lower	Upper
248	100		
250	100.0	85.3	127.9
141	78.9	66.2	99.2



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

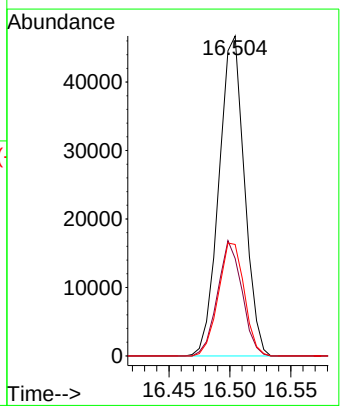
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

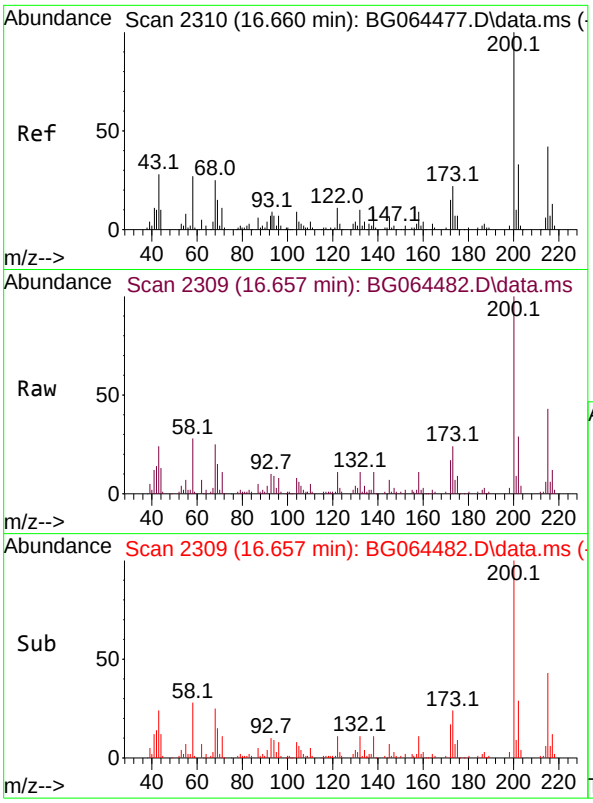


#68
Hexachlorobenzene
Concen: 36.821 ng
RT: 16.504 min Scan# 2283
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:284 Resp: 67918

Ion	Ratio	Lower	Upper
284	100		
142	30.4	26.2	39.2
249	34.8	29.4	44.0

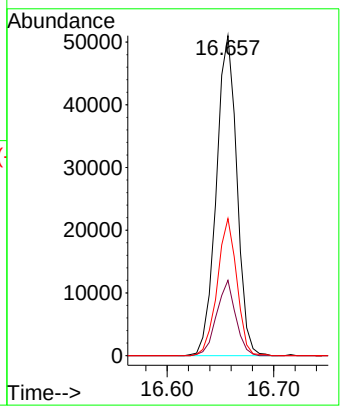




#69
Atrazine
Concen: 42.076 ng
RT: 16.657 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:200 Resp: 6847

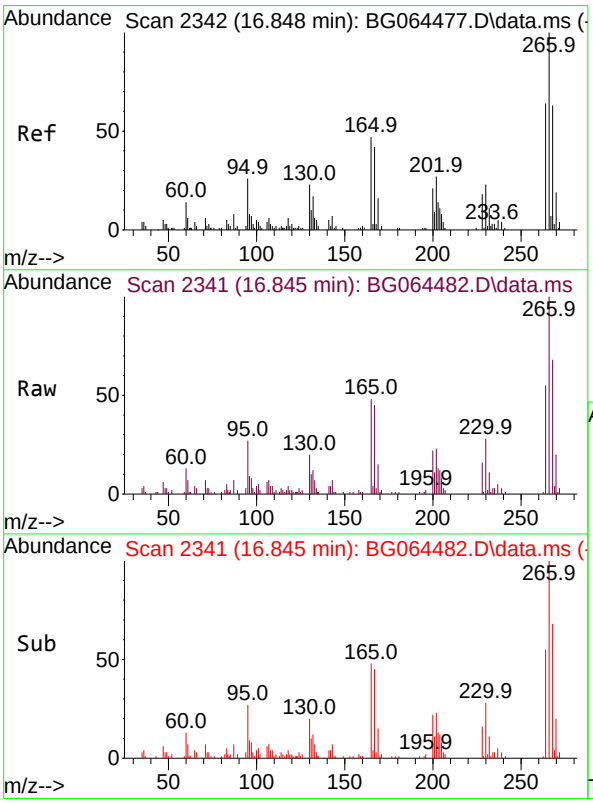
Ion	Ratio	Lower	Upper
200	100		
173	23.5	2.5	42.5
215	42.8	21.5	61.5



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

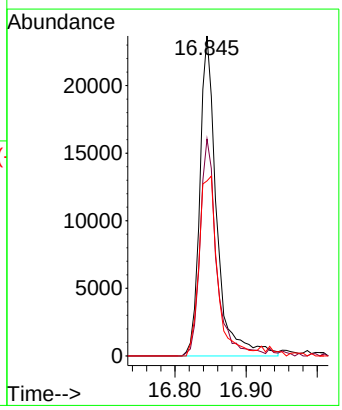
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

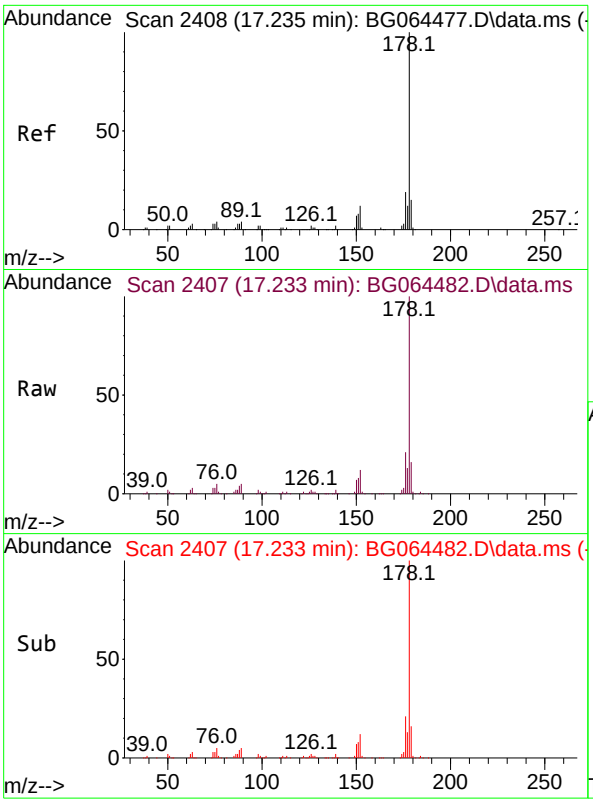


#70
Pentachlorophenol
Concen: 36.025 ng
RT: 16.845 min Scan# 2341
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:266 Resp: 38853

Ion	Ratio	Lower	Upper
266	100		
268	67.8	50.6	75.8
264	54.7	51.2	76.8

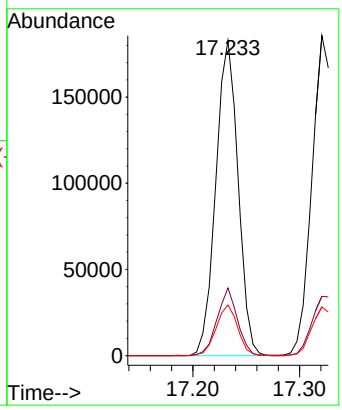




#71
Phenanthrene
Concen: 37.108 ng
RT: 17.233 min Scan# 24
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:178 Resp: 26582

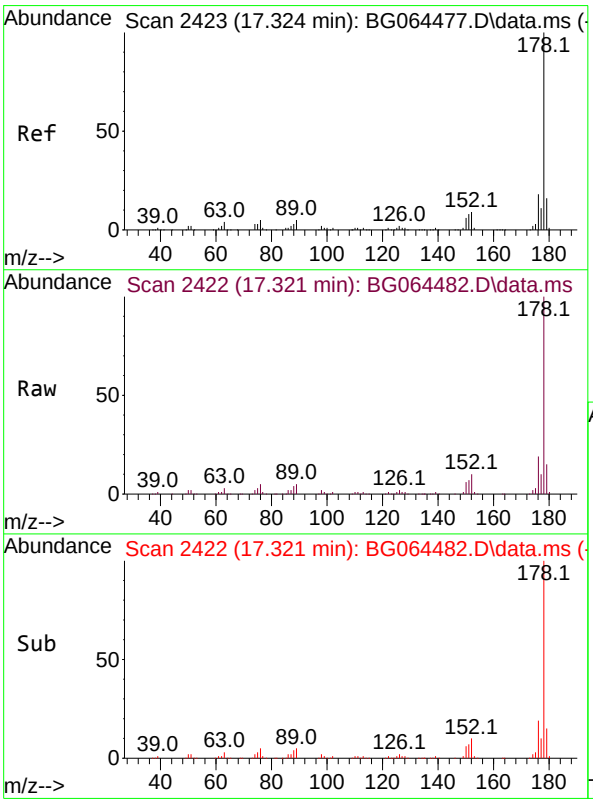
Ion	Ratio	Lower	Upper
178	100		
176	21.5	15.2	22.8
179	16.0	11.8	17.6



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

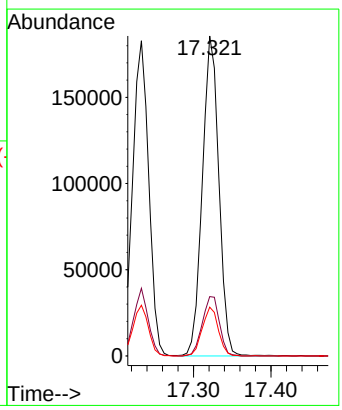
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

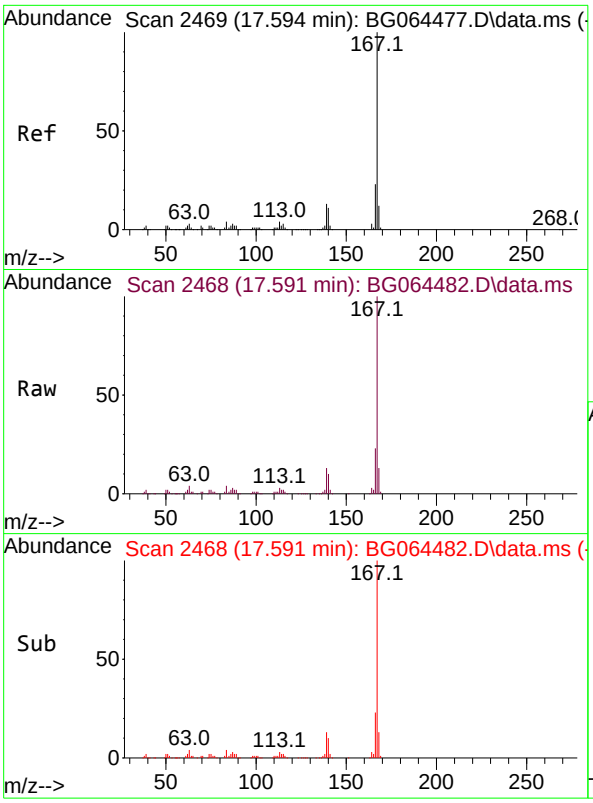


#72
Anthracene
Concen: 38.159 ng
RT: 17.321 min Scan# 2422
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:178 Resp: 274231

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	15.2	12.5	18.7

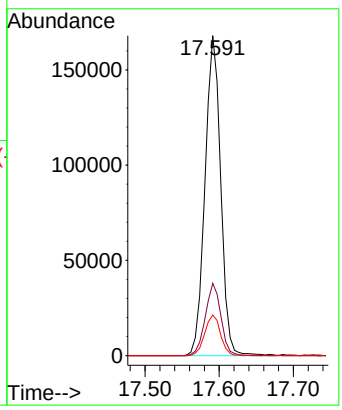




#73
Carbazole
Concen: 39.673 ng
RT: 17.591 min Scan# 24
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:167 Resp: 24644

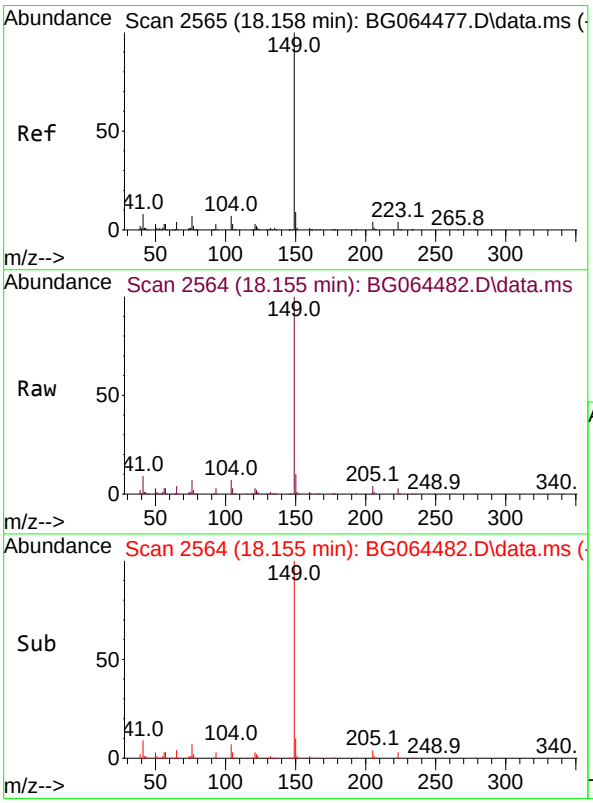
Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.6	27.8
139	12.7	10.2	15.4



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

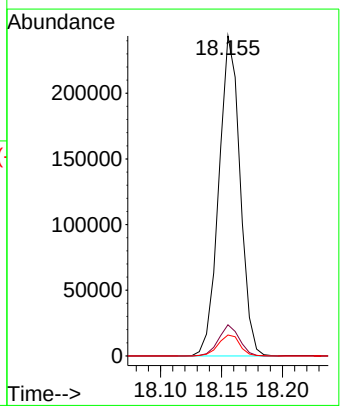
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

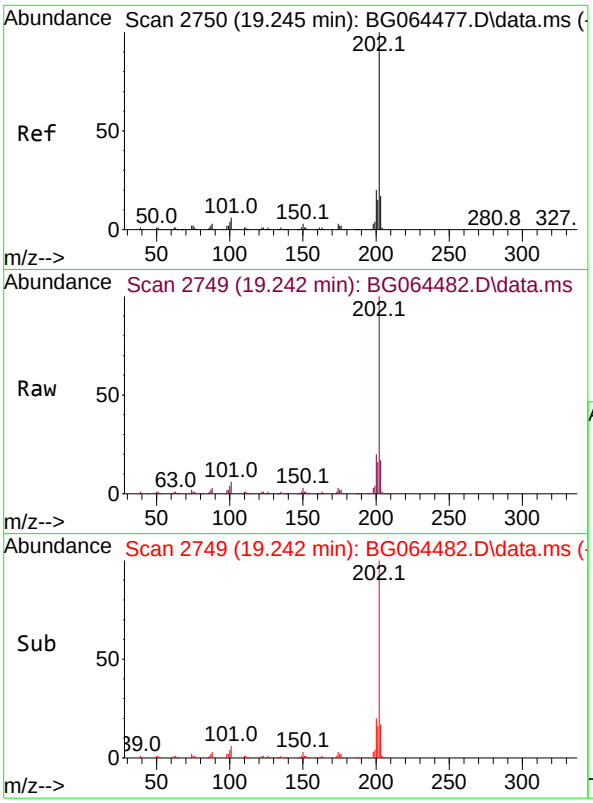


#74
Di-n-butylphthalate
Concen: 38.852 ng
RT: 18.155 min Scan# 2564
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:149 Resp: 294614

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.4	11.2
104	6.5	5.3	7.9

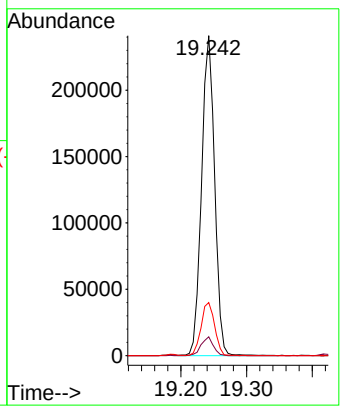




#75
Fluoranthene
Concen: 38.739 ng
RT: 19.242 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:202 Resp: 331536

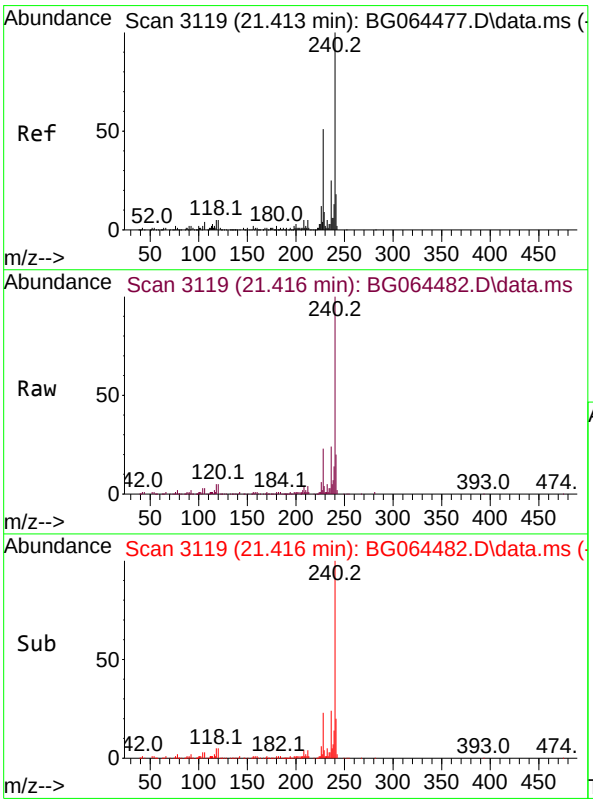
Ion	Ratio	Lower	Upper
202	100		
101	5.9	0.0	25.7
203	16.6	0.0	36.6



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

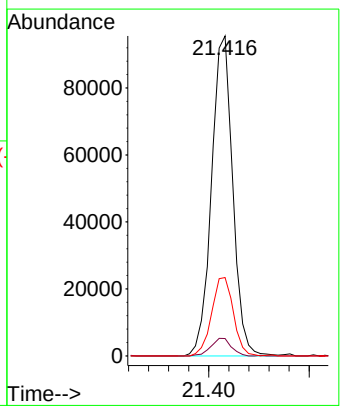
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

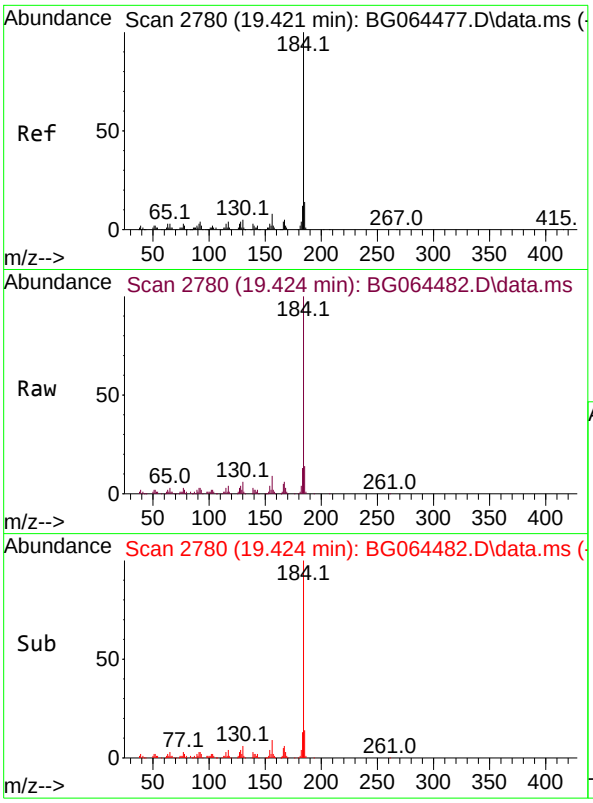


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.416 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:240 Resp: 140392

Ion	Ratio	Lower	Upper
240	100		
120	5.4	4.3	6.5
236	24.5	20.4	30.6

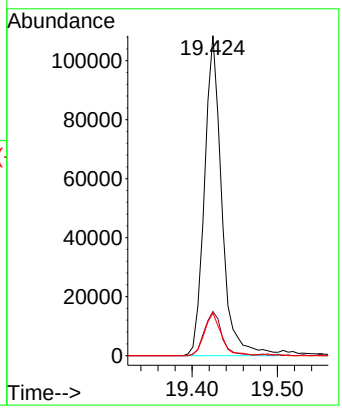




#77
Benzidine
Concen: 43.772 ng
RT: 19.424 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:184 Resp: 15291

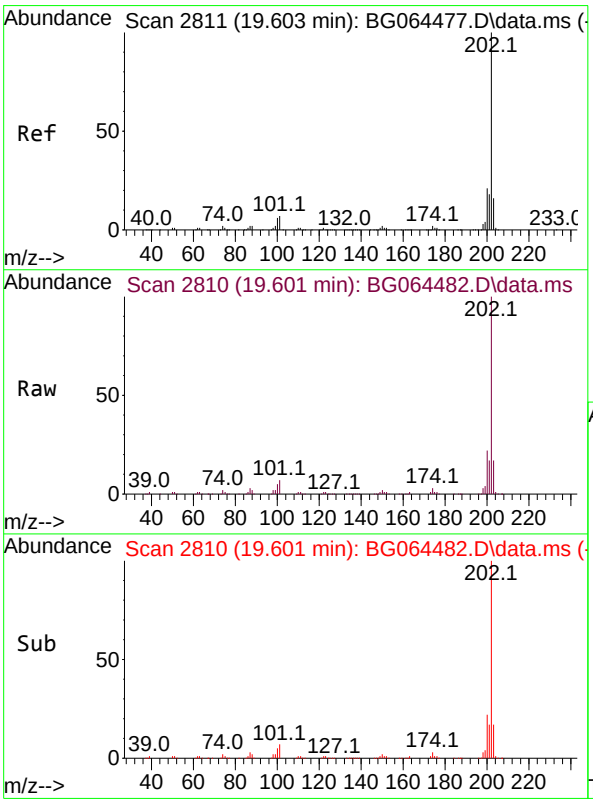
Ion	Ratio	Lower	Upper
184	100		
185	13.8	10.9	16.3
183	13.3	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

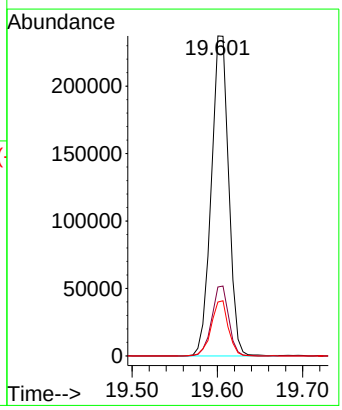
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

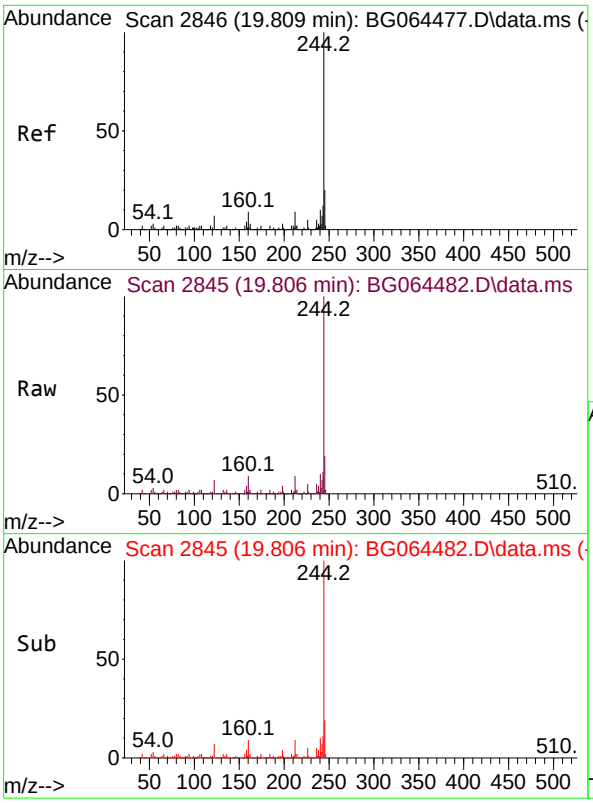


#78
Pyrene
Concen: 36.856 ng
RT: 19.601 min Scan# 2810
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:202 Resp: 335798

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.4
203	16.8	13.0	19.4

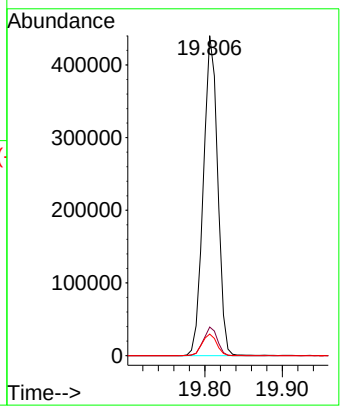




#79
Terphenyl-d14
Concen: 76.071 ng
RT: 19.806 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:244 Resp: 56432

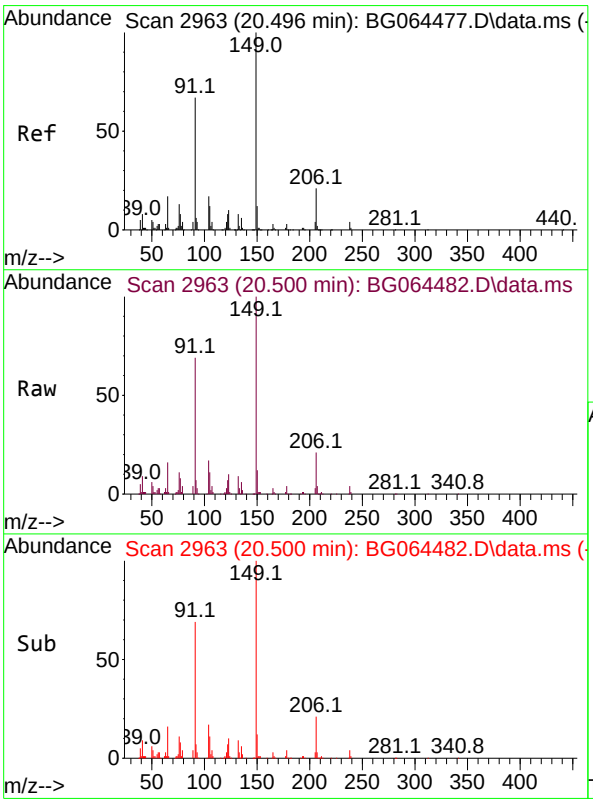
Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.0	10.6
122	6.7	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

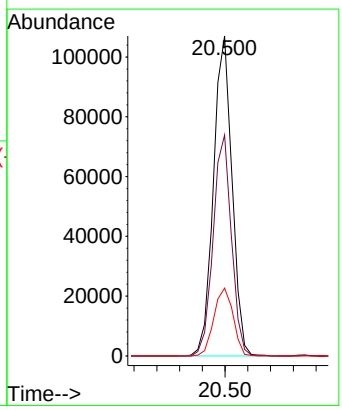
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

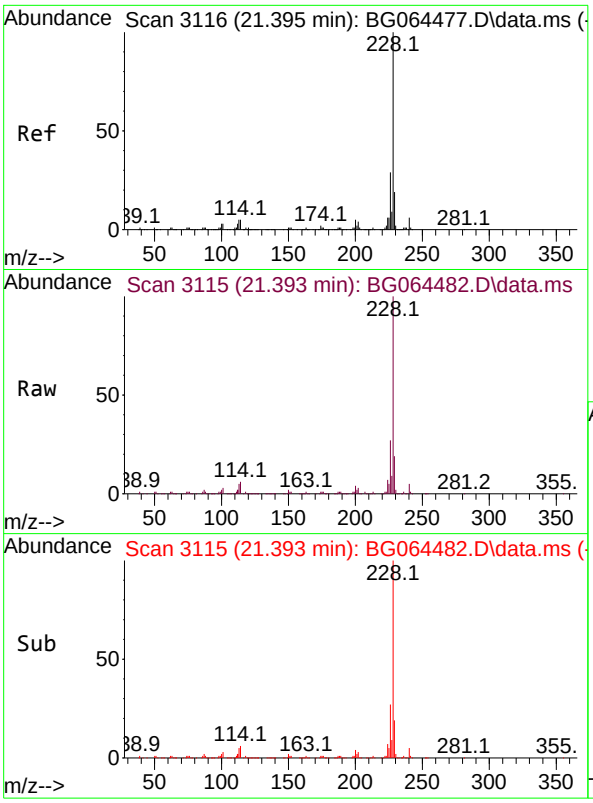


#80
Butylbenzylphthalate
Concen: 37.565 ng
RT: 20.500 min Scan# 2963
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:149 Resp: 121325

Ion	Ratio	Lower	Upper
149	100		
91	69.0	53.7	80.5
206	21.2	16.6	24.8

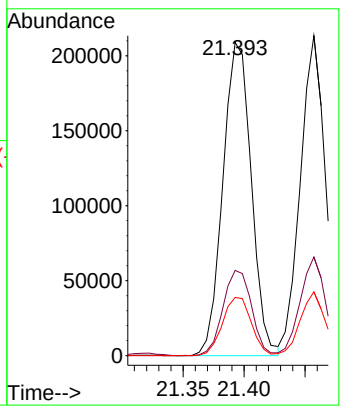




#81
Benzo(a)anthracene
Concen: 37.867 ng
RT: 21.393 min Scan# 3
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:228 Resp: 33944

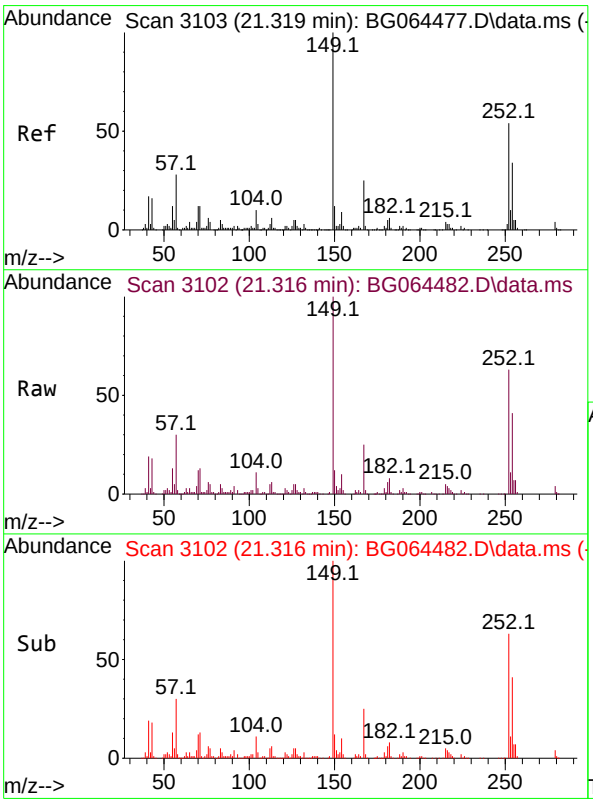
Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.8	34.2
229	18.6	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

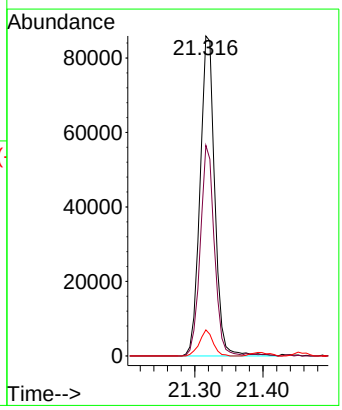
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

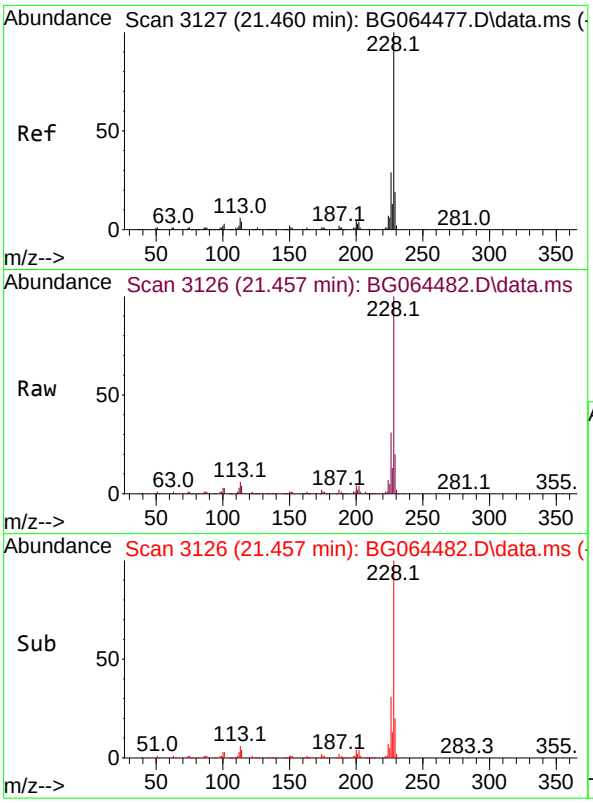


#82
3,3'-Dichlorobenzidine
Concen: 42.355 ng
RT: 21.316 min Scan# 3102
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:252 Resp: 128504

Ion	Ratio	Lower	Upper
252	100		
254	65.8	50.5	75.7
126	8.1	7.1	10.7

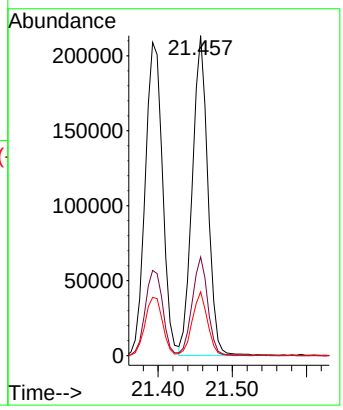




#83
Chrysene
Concen: 36.434 ng
RT: 21.457 min Scan# 31
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:228 Resp: 30973

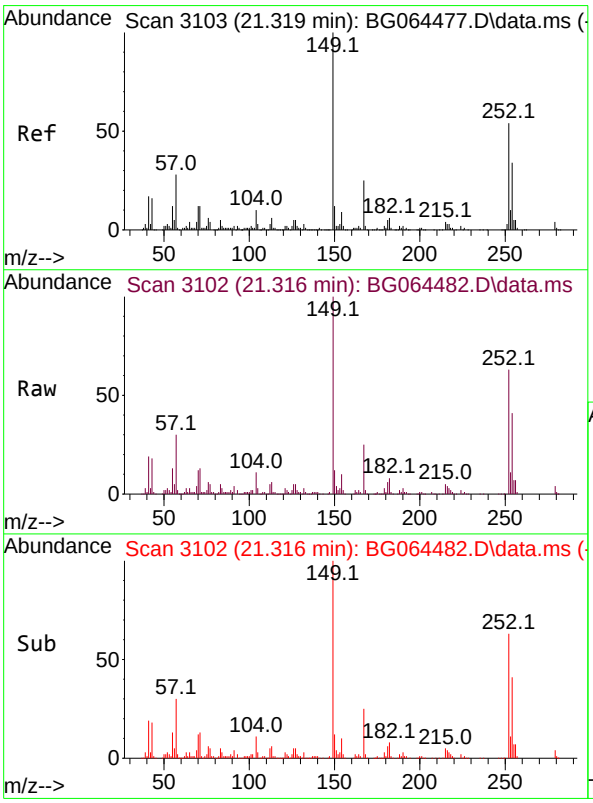
Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.8	34.2
229	19.9	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations
APPROVED

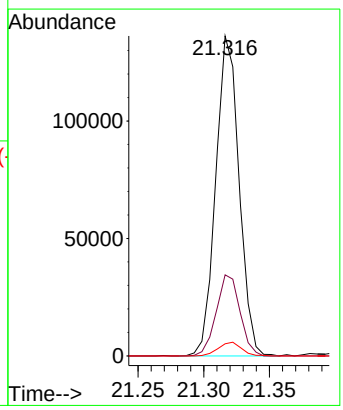
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

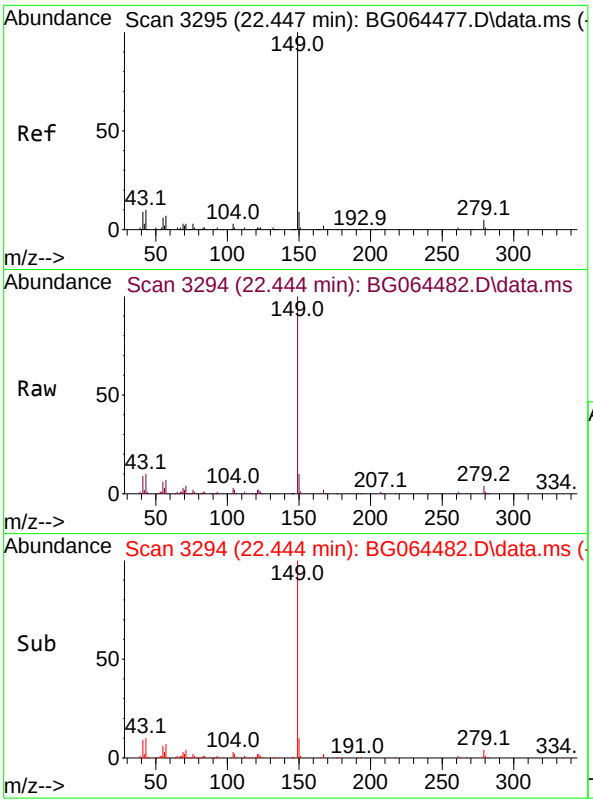


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.082 ng
RT: 21.316 min Scan# 3102
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:149 Resp: 168982

Ion	Ratio	Lower	Upper
149	100		
167	25.3	19.7	29.5
279	3.8	3.4	5.2

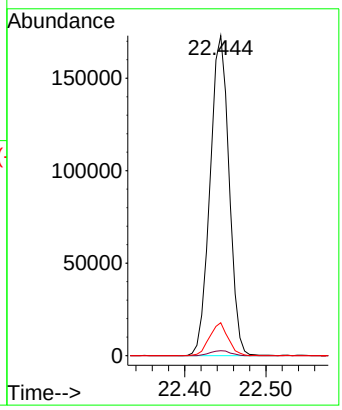




#85
Di-n-octyl phthalate
Concen: 36.720 ng
RT: 22.444 min Scan# 3
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:149 Resp: 28123

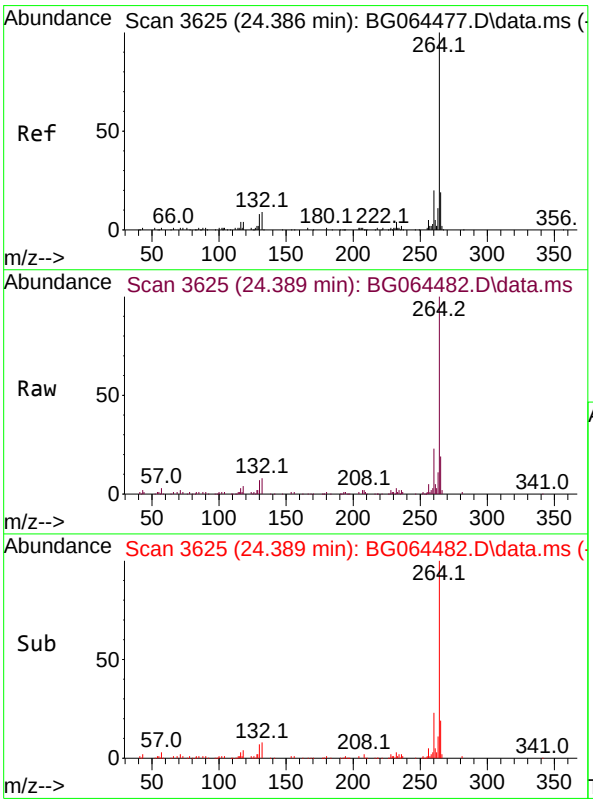
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	10.0	7.9	11.9



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

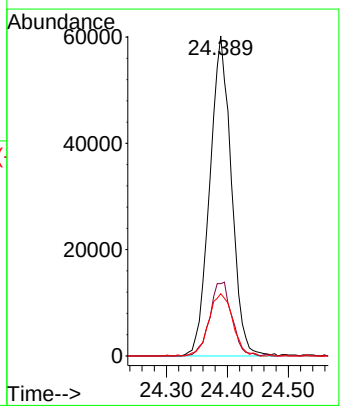
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

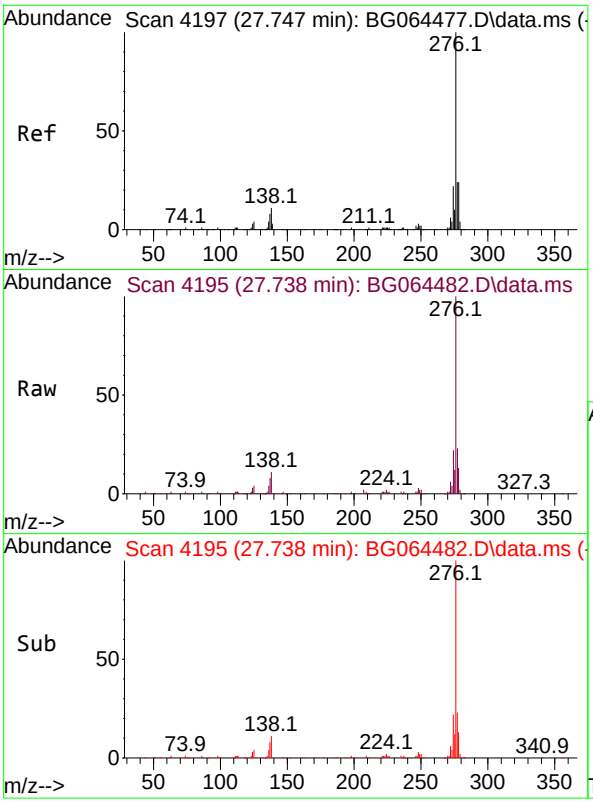


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.389 min Scan# 3625
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:264 Resp: 148372

Ion	Ratio	Lower	Upper
264	100		
260	22.6	16.2	24.4
265	19.4	15.0	22.4

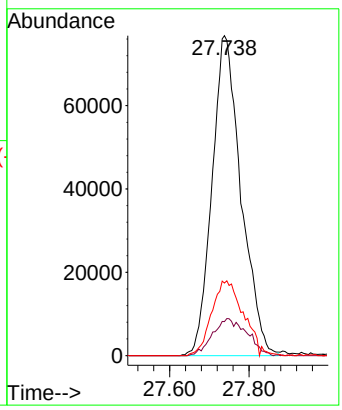




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.816 ng
RT: 27.738 min Scan# 41
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:276 Resp: 390549

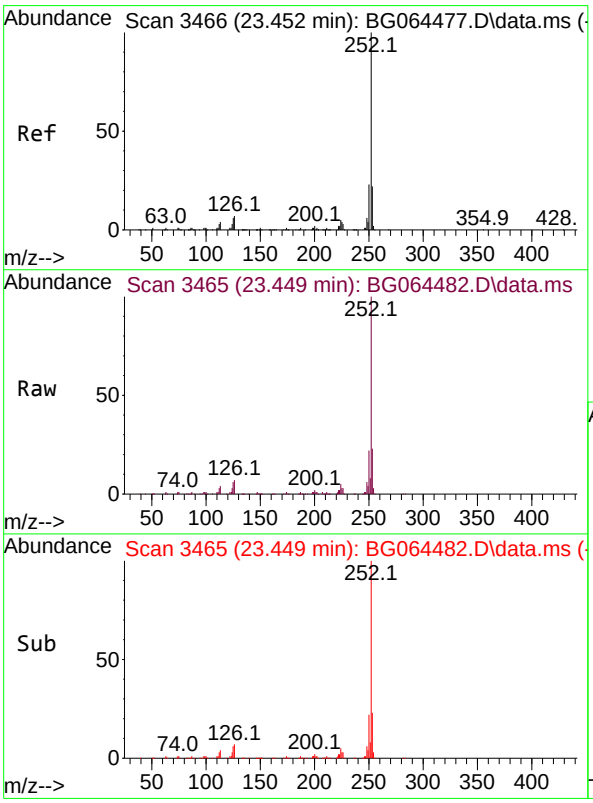
Ion	Ratio	Lower	Upper
276	100		
138	13.6	10.8	16.2
277	25.8	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

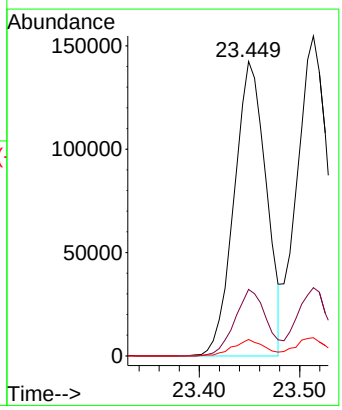
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

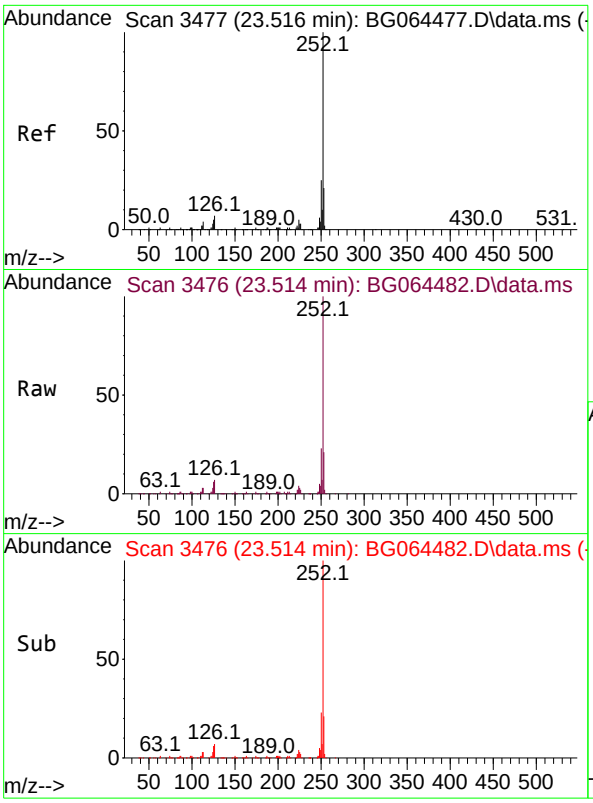


#88
Benzo(b)fluoranthene
Concen: 37.423 ng
RT: 23.449 min Scan# 3465
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:252 Resp: 315880

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	5.6	4.5	6.7

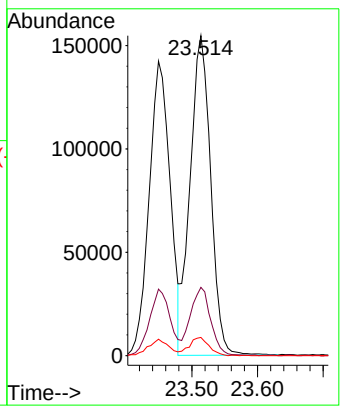




#89
Benzo(k)fluoranthene
Concen: 39.643 ng
RT: 23.514 min Scan# 34
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:252 Resp: 33701

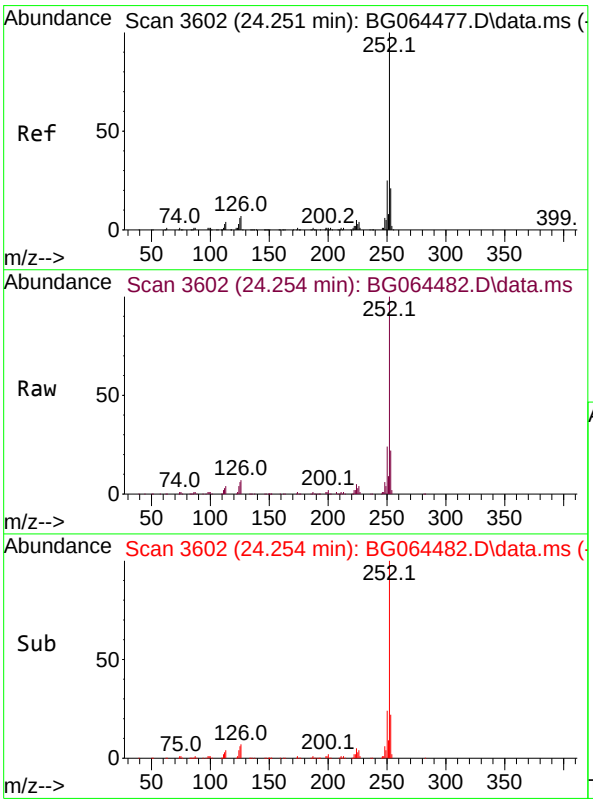
Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.2
125	5.7	4.0	6.0



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

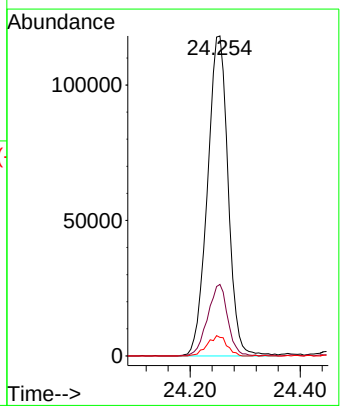
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

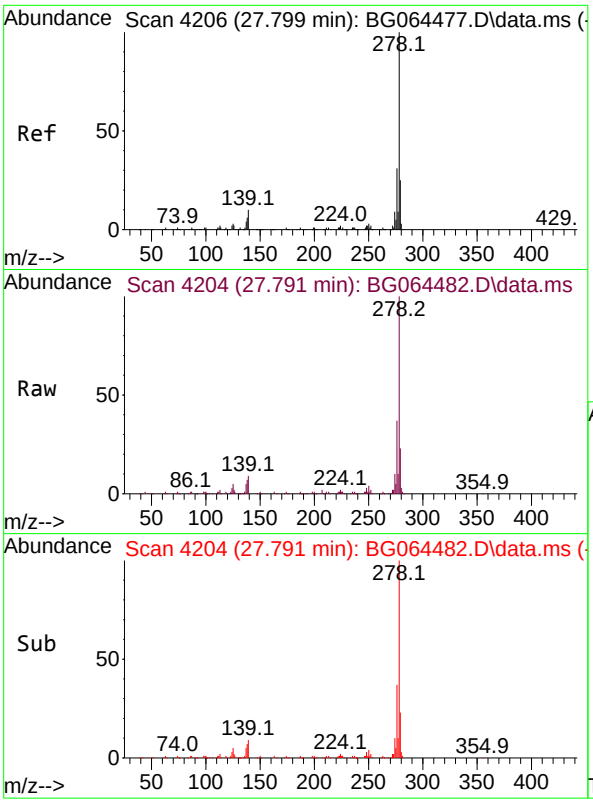


#90
Benzo(a)pyrene
Concen: 39.468 ng
RT: 24.254 min Scan# 3602
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:252 Resp: 307034

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	5.8	4.6	6.8

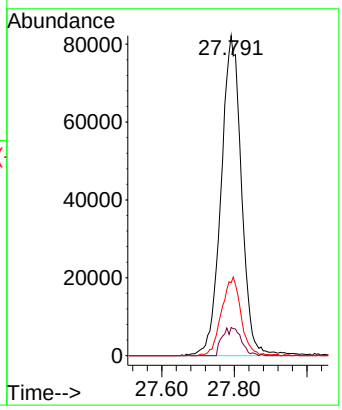




#91
Dibenzo(a,h)anthracene
Concen: 38.585 ng
RT: 27.791 min Scan# 4
Delta R.T. 0.012 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:278 Resp: 31867

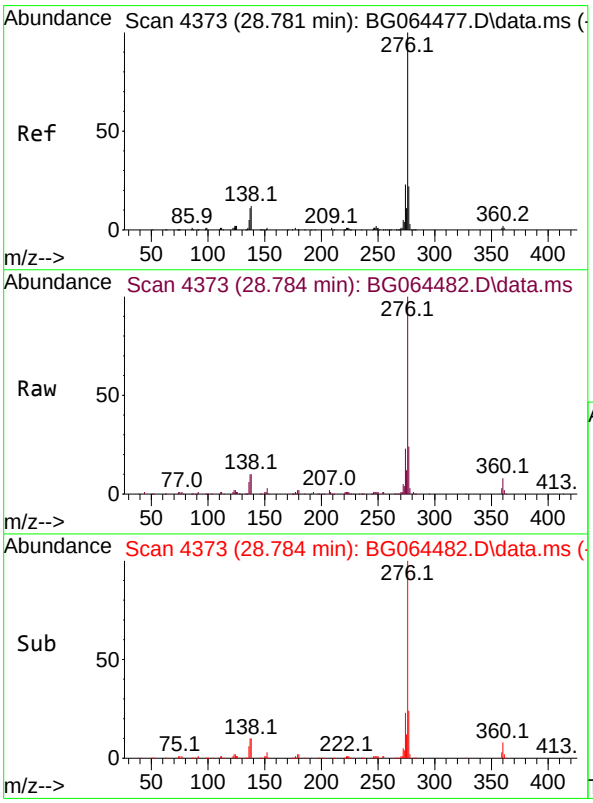
Ion	Ratio	Lower	Upper
278	100		
139	8.8	8.2	12.2
279	22.8	19.6	29.4



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

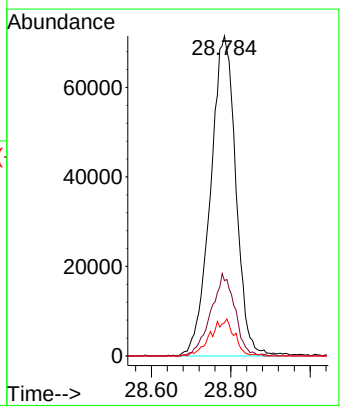
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#92
Benzo(g,h,i)perylene
Concen: 39.498 ng
RT: 28.784 min Scan# 4373
Delta R.T. 0.017 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:276 Resp: 317018

Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.8	26.6
138	10.3	9.4	14.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064482.D
Acq On : 2 Oct 2025 18:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Quant Time: Oct 02 18:56:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
2		1,4-Dioxane	0.427	0.392	8.2	81	0.00
3		Pyridine	1.149	1.017	11.5	75	0.00
4		n-Nitrosodimethylamine	0.833	0.813	2.4	86	0.00
5	S	2-Fluorophenol	1.081	1.018	5.8	78	0.00
6		Aniline	1.832	1.883	-2.8	85	0.00
7	S	Phenol-d6	1.452	1.407	3.1	79	0.01
8		2-Chlorophenol	1.327	1.231	7.2	77	0.00
9		Benzaldehyde	1.289	1.040	19.3	62	0.00
10	C	Phenol	1.532	1.471	4.0	80	0.00
11		bis(2-Chloroethyl)ether	1.038	0.969	6.6	78	0.00
12		1,3-Dichlorobenzene	1.452	1.361	6.3	78	0.00
13	C	1,4-Dichlorobenzene	1.457	1.452	0.3	84	0.00
14		1,2-Dichlorobenzene	1.436	1.381	3.8	82	0.00
15		Benzyl Alcohol	1.337	1.363	-1.9	86	0.00
16		2,2'-oxybis(1-Chloropropane	1.672	1.597	4.5	81	0.01
17		2-Methylphenol	1.109	1.069	3.6	80	0.00
18		Hexachloroethane	0.575	0.545	5.2	82	0.00
19	P	n-Nitroso-di-n-propylamine	0.971	0.995	-2.5	83	0.01
20		3+4-Methylphenols	1.548	1.505	2.8	81	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	92	0.00
22		Acetophenone	0.484	0.483	0.2	86	0.00
23	S	Nitrobenzene-d5	0.372	0.339	8.9	79	0.01
24		Nitrobenzene	0.371	0.345	7.0	80	0.00
25		Isophorone	0.674	0.660	2.1	84	0.01
26	C	2-Nitrophenol	0.185	0.163	11.9	78	0.00
27		2,4-Dimethylphenol	0.282	0.296	-5.0	91	0.00
28		bis(2-Chloroethoxy)methane	0.343	0.331	3.5	81	0.00
29	C	2,4-Dichlorophenol	0.326	0.317	2.8	85	0.00
30		1,2,4-Trichlorobenzene	0.356	0.344	3.4	84	0.00
31		Naphthalene	1.030	0.991	3.8	82	0.00
32		Benzoic acid	0.216	0.218	-0.9	87	0.05
33		4-Chloroaniline	0.395	0.423	-7.1	93	0.00
34	C	Hexachlorobutadiene	0.304	0.278	8.6	81	0.00
35		Caprolactam	0.112	0.108	3.6	86	0.02
36	C	4-Chloro-3-methylphenol	0.397	0.381	4.0	83	0.00
37		2-Methylnaphthalene	0.791	0.696	12.0	76	0.00
38		1-Methylnaphthalene	0.788	0.728	7.6	81	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	95	0.00
40		1,2,4,5-Tetrachlorobenzene	0.646	0.622	3.7	84	0.00
41	P	Hexachlorocyclopentadiene	0.338	0.426	-26.0#	112	0.00
42	S	2,4,6-Tribromophenol	0.363	0.348	4.1	87	0.00
43	C	2,4,6-Trichlorophenol	0.413	0.403	2.4	86	0.00
44		2,4,5-Trichlorophenol	0.461	0.436	5.4	85	0.00
45	S	2-Fluorobiphenyl	1.357	1.264	6.9	84	0.00
46		1,1'-Biphenyl	1.438	1.393	3.1	87	0.00
47		2-Chloronaphthalene	1.074	1.013	5.7	84	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064482.D
Acq On : 2 Oct 2025 18:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Quant Time: Oct 02 18:56:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.367	0.359	2.2	86	0.00
49		Acenaphthylene	1.594	1.747	-9.6	98	0.00
50		Dimethylphthalate	1.566	1.484	5.2	87	0.00
51		2,6-Dinitrotoluene	0.326	0.316	3.1	89	0.00
52	C	Acenaphthene	1.108	1.015	8.4	83	0.00
53		3-Nitroaniline	0.301	0.306	-1.7	91	0.00
54	P	2,4-Dinitrophenol	0.237	0.198	16.5	91	0.00
55		Dibenzofuran	1.829	1.744	4.6	87	0.00
56	P	4-Nitrophenol	0.237	0.235	0.8	86	0.00
57		2,4-Dinitrotoluene	0.499	0.491	1.6	89	0.00
58		Fluorene	1.520	1.500	1.3	89	0.00
59		2,3,4,6-Tetrachlorophenol	0.470	0.471	-0.2	89	0.00
60		Diethylphthalate	1.680	1.610	4.2	89	0.00
61		4-Chlorophenyl-phenylether	0.830	0.756	8.9	83	0.00
62		4-Nitroaniline	0.314	0.325	-3.5	93	0.00
63		Azobenzene	1.301	1.254	3.6	89	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	0.139	0.132	5.0	91	0.00
66	c	n-Nitrosodiphenylamine	0.534	0.500	6.4	88	0.00
67		4-Bromophenyl-phenylether	0.235	0.217	7.7	85	0.00
68		Hexachlorobenzene	0.269	0.248	7.8	86	0.00
69		Atrazine	0.238	0.250	-5.0	100	0.00
70	C	Pentachlorophenol	0.157	0.142	9.6	84	0.00
71		Phenanthrene	1.046	0.970	7.3	87	0.00
72		Anthracene	1.049	1.001	4.6	89	0.00
73		Carbazole	0.907	0.900	0.8	91	0.00
74		Di-n-butylphthalate	1.107	1.075	2.9	90	0.00
75	C	Fluoranthene	1.250	1.210	3.2	91	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	102	0.00
77		Benzidine	0.498	0.545	-9.4	85	0.00
78		Pyrene	1.298	1.196	7.9	88	0.00
79	S	Terphenyl-d14	1.057	1.005	4.9	91	0.00
80		Butylbenzylphthalate	0.460	0.432	6.1	89	0.00
81		Benzo(a)anthracene	1.277	1.209	5.3	91	0.00
82		3,3'-Dichlorobenzidine	0.432	0.458	-6.0	102	0.00
83		Chrysene	1.211	1.103	8.9	87	0.00
84		Bis(2-ethylhexyl)phthalate	0.649	0.602	7.2	89	0.00
85	c	Di-n-octyl phthalate	1.091	1.002	8.2	88	0.00
86	I	Perylene-d12	1.000	1.000	0.0	101	0.00
87		Indeno(1,2,3-cd)pyrene	1.392	1.316	5.5	89	0.00
88		Benzo(b)fluoranthene	1.138	1.064	6.5	89	0.00
89		Benzo(k)fluoranthene	1.146	1.136	0.9	93	0.00
90	C	Benzo(a)pyrene	1.049	1.035	1.3	93	0.00
91		Dibenzo(a,h)anthracene	1.113	1.074	3.5	91	0.01
92		Benzo(g,h,i)perylene	1.082	1.068	1.3	93	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064482.D
Acq On : 2 Oct 2025 18:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Quant Time: Oct 02 18:56:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064482.D
Acq On : 2 Oct 2025 18:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Quant Time: Oct 02 18:56:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	91	0.00
2		1,4-Dioxane	40.000	36.657	8.4	81	0.00
3		Pyridine	40.000	35.418	11.5	75	0.00
4		n-Nitrosodimethylamine	40.000	39.031	2.4	86	0.00
5	S	2-Fluorophenol	80.000	75.359	5.8	78	0.00
6		Aniline	40.000	41.109	-2.8	85	0.00
7	S	Phenol-d6	80.000	77.494	3.1	79	0.01
8		2-Chlorophenol	40.000	37.094	7.3	77	0.00
9		Benzaldehyde	40.000	32.268	19.3	62	0.00
10	C	Phenol	40.000	38.413	4.0	80	0.00
11		bis(2-Chloroethyl)ether	40.000	37.341	6.6	78	0.00
12		1,3-Dichlorobenzene	40.000	37.504	6.2	78	0.00
13	C	1,4-Dichlorobenzene	40.000	39.872	0.3	84	0.00
14		1,2-Dichlorobenzene	40.000	38.466	3.8	82	0.00
15		Benzyl Alcohol	40.000	40.756	-1.9	86	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.204	4.5	81	0.01
17		2-Methylphenol	40.000	38.553	3.6	80	0.00
18		Hexachloroethane	40.000	37.877	5.3	82	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.984	-2.5	83	0.01
20		3+4-Methylphenols	40.000	38.893	2.8	81	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	92	0.00
22		Acetophenone	40.000	39.906	0.2	86	0.00
23	S	Nitrobenzene-d5	80.000	72.999	8.8	79	0.01
24		Nitrobenzene	40.000	37.170	7.1	80	0.00
25		Isophorone	40.000	39.198	2.0	84	0.01
26	C	2-Nitrophenol	40.000	35.388	11.5	78	0.00
27		2,4-Dimethylphenol	40.000	41.959	-4.9	91	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.540	3.7	81	0.00
29	C	2,4-Dichlorophenol	40.000	38.857	2.9	85	0.00
30		1,2,4-Trichlorobenzene	40.000	38.743	3.1	84	0.00
31		Naphthalene	40.000	38.491	3.8	82	0.00
32		Benzoic acid	40.000	40.223	-0.6	87	0.05
33		4-Chloroaniline	40.000	42.784	-7.0	93	0.00
34	C	Hexachlorobutadiene	40.000	36.587	8.5	81	0.00
35		Caprolactam	40.000	38.812	3.0	86	0.02
36	C	4-Chloro-3-methylphenol	40.000	38.389	4.0	83	0.00
37		2-Methylnaphthalene	40.000	35.191	12.0	76	0.00
38		1-Methylnaphthalene	40.000	36.933	7.7	81	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	95	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.511	3.7	84	0.00
41	P	Hexachlorocyclopentadiene	40.000	50.483	-26.2#	112	0.00
42	S	2,4,6-Tribromophenol	80.000	76.705	4.1	87	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.030	2.4	86	0.00
44		2,4,5-Trichlorophenol	40.000	37.827	5.4	85	0.00
45	S	2-Fluorobiphenyl	80.000	74.539	6.8	84	0.00
46		1,1'-Biphenyl	40.000	38.735	3.2	87	0.00
47		2-Chloronaphthalene	40.000	37.716	5.7	84	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064482.D
Acq On : 2 Oct 2025 18:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Quant Time: Oct 02 18:56:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	39.151	2.1	86	0.00
49		Acenaphthylene	40.000	43.842	-9.6	98	0.00
50		Dimethylphthalate	40.000	37.903	5.2	87	0.00
51		2,6-Dinitrotoluene	40.000	38.742	3.1	89	0.00
52	C	Acenaphthene	40.000	36.666	8.3	83	0.00
53		3-Nitroaniline	40.000	40.727	-1.8	91	0.00
54	P	2,4-Dinitrophenol	40.000	33.540	16.2	91	0.00
55		Dibenzofuran	40.000	38.141	4.6	87	0.00
56	P	4-Nitrophenol	40.000	39.712	0.7	86	0.00
57		2,4-Dinitrotoluene	40.000	39.388	1.5	89	0.00
58		Fluorene	40.000	39.456	1.4	89	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.021	-0.1	89	0.00
60		Diethylphthalate	40.000	38.317	4.2	89	0.00
61		4-Chlorophenyl-phenylether	40.000	36.432	8.9	83	0.00
62		4-Nitroaniline	40.000	41.435	-3.6	93	0.00
63		Azobenzene	40.000	38.553	3.6	89	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	40.000	37.834	5.4	91	0.00
66	c	n-Nitrosodiphenylamine	40.000	37.465	6.3	88	0.00
67		4-Bromophenyl-phenylether	40.000	36.819	8.0	85	0.00
68		Hexachlorobenzene	40.000	36.821	7.9	86	0.00
69		Atrazine	40.000	42.076	-5.2	100	0.00
70	C	Pentachlorophenol	40.000	36.025	9.9	84	0.00
71		Phenanthrene	40.000	37.108	7.2	87	0.00
72		Anthracene	40.000	38.159	4.6	89	0.00
73		Carbazole	40.000	39.673	0.8	91	0.00
74		Di-n-butylphthalate	40.000	38.852	2.9	90	0.00
75	C	Fluoranthene	40.000	38.739	3.2	91	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	102	0.00
77		Benzidine	40.000	43.772	-9.4	85	0.00
78		Pyrene	40.000	36.856	7.9	88	0.00
79	S	Terphenyl-d14	80.000	76.071	4.9	91	0.00
80		Butylbenzylphthalate	40.000	37.565	6.1	89	0.00
81		Benzo(a)anthracene	40.000	37.867	5.3	91	0.00
82		3,3'-Dichlorobenzidine	40.000	42.355	-5.9	102	0.00
83		Chrysene	40.000	36.434	8.9	87	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	37.082	7.3	89	0.00
85	c	Di-n-octyl phthalate	40.000	36.720	8.2	88	0.00
86	I	Perylene-d12	20.000	20.000	0.0	101	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	37.816	5.5	89	0.00
88		Benzo(b)fluoranthene	40.000	37.423	6.4	89	0.00
89		Benzo(k)fluoranthene	40.000	39.643	0.9	93	0.00
90	C	Benzo(a)pyrene	40.000	39.468	1.3	93	0.00
91		Dibenzo(a,h)anthracene	40.000	38.585	3.5	91	0.01
92		Benzo(g,h,i)perylene	40.000	39.498	1.3	93	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064482.D
Acq On : 2 Oct 2025 18:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Quant Time: Oct 02 18:56:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3363

Instrument ID: BNA_F Calibration Date/Time: 10/17/2025 14:43

Lab File ID: BF143984.D Init. Calib. Date(s): 10/06/2025 10/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 14:22

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.259	1.280		1.7	
Benzaldehyde	1.158	1.188		2.6	
Phenol-d6	1.501	1.459		-2.8	
Phenol	1.795	1.831		2.0	20.0
bis(2-Chloroethyl)ether	1.386	1.382		-0.3	
2-Chlorophenol	1.231	1.249		1.5	
2-Methylphenol	1.017	0.961		-5.5	
2,2-oxybis(1-Chloropropane)	3.156	3.010		-4.6	
Acetophenone	0.423	0.381		-9.9	
3+4-Methylphenols	1.179	1.047		-11.2	
n-Nitroso-di-n-propylamine	1.028	0.825	0.050	-19.7	
Nitrobenzene-d5	0.329	0.339		3.0	
Hexachloroethane	0.485	0.497		2.5	
Nitrobenzene	0.366	0.379		3.6	
Isophorone	0.694	0.621		-10.5	
2-Nitrophenol	0.157	0.180		14.6	20.0
2,4-Dimethylphenol	0.282	0.269		-4.6	
bis(2-Chloroethoxy)methane	0.438	0.391		-10.7	
2,4-Dichlorophenol	0.294	0.278		-5.4	20.0
Naphthalene	0.910	0.854		-6.2	
4-Chloroaniline	0.341	0.302		-11.4	
Hexachlorobutadiene	0.201	0.204		1.5	20.0
Caprolactam	0.093	0.081		-12.9	
4-Chloro-3-methylphenol	0.282	0.249		-11.7	20.0
2-Methylnaphthalene	0.606	0.543		-10.4	
Hexachlorocyclopentadiene	0.229	0.200	0.050	-12.7	
2,4,6-Trichlorophenol	0.404	0.399		-1.2	20.0
2-Fluorobiphenyl	1.260	1.153		-8.5	
2,4,5-Trichlorophenol	0.427	0.438		2.6	
1,1-Biphenyl	1.324	1.266		-4.4	
2-Chloronaphthalene	1.104	1.099		-0.5	
2-Nitroaniline	0.349	0.371		6.3	
Dimethylphthalate	1.270	1.231		-3.1	
Acenaphthylene	1.552	1.478		-4.8	
2,6-Dinitrotoluene	0.236	0.269		14.0	
3-Nitroaniline	0.288	0.301		4.5	
Acenaphthene	1.017	0.979		-3.7	20.0
2,4-Dinitrophenol	0.118	0.125	0.050	5.9	
4-Nitrophenol	0.218	0.208	0.050	-4.6	

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3363

Instrument ID: BNA_F Calibration Date/Time: 10/17/2025 14:43

Lab File ID: BF143984.D Init. Calib. Date(s): 10/06/2025 10/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 14:22

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.436	1.377		-4.1	
2,4-Dinitrotoluene	0.320	0.353		10.3	
Diethylphthalate	1.180	1.122		-4.9	
4-Chlorophenyl-phenylether	0.573	0.557		-2.8	
Fluorene	1.083	1.025		-5.4	
4-Nitroaniline	0.277	0.281		1.4	
4,6-Dinitro-2-methylphenol	0.101	0.119		17.8	
n-Nitrosodiphenylamine	0.628	0.616		-1.9	20.0
2,4,6-Tribromophenol	0.199	0.203		2.0	
4-Bromophenyl-phenylether	0.221	0.223		0.9	
Hexachlorobenzene	0.256	0.259		1.2	
Atrazine	0.190	0.184		-3.2	
Pentachlorophenol	0.147	0.138		-6.1	20.0
Phenanthrene	0.970	0.937		-3.4	
Anthracene	0.980	0.945		-3.6	
Carbazole	0.868	0.826		-4.8	
Di-n-butylphthalate	1.005	1.007		0.2	
Fluoranthene	1.002	0.966		-3.6	20.0
Pyrene	1.667	1.585		-4.9	
Terphenyl-d14	1.170	1.142		-2.4	
Butylbenzylphthalate	0.542	0.583		7.6	
3,3-Dichlorobenzidine	0.399	0.420		5.3	
Benzo(a)anthracene	1.309	1.320		0.8	
Chrysene	1.211	1.224		1.1	
Bis(2-ethylhexyl)phthalate	0.653	0.757		15.9	
Di-n-octyl phthalate	1.072	1.316		22.8	20.0
Benzo(b)fluoranthene	1.149	1.127		-1.9	
Benzo(k)fluoranthene	1.063	1.054		-0.8	
Benzo(a)pyrene	0.996	1.008		1.2	20.0
Indeno(1,2,3-cd)pyrene	1.225	1.362		11.2	
Dibenzo(a,h)anthracene	0.986	1.080		9.5	
Benzo(g,h,i)perylene	0.986	1.082		9.7	
1,2,4,5-Tetrachlorobenzene	0.553	0.571		3.3	
1,4-Dioxane	0.583	0.584		0.2	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.297		-1.7	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143984.D
Acq On : 17 Oct 2025 14:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 17 16:26:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	156623	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	566623	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	278942	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	461614	20.000	ng	0.00
76) Chrysene-d12	14.069	240	286617	20.000	ng	0.00
86) Perylene-d12	15.551	264	311878	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	801872	81.301	ng	0.00
7) Phenol-d6	6.510	99	914059	77.751	ng	0.00
23) Nitrobenzene-d5	7.451	82	767518	82.295	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	226809	81.635	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1286763	73.197	ng	0.00
79) Terphenyl-d14	13.004	244	1308721	78.038	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.634	88	182945	40.084	ng	97
3) Pyridine	3.405	79	548961	41.316	ng	97
4) n-Nitrosodimethylamine	3.363	42	278029	39.778	ng	95
6) Aniline	6.546	93	671999	38.146	ng	96
8) 2-Chlorophenol	6.669	128	391285	40.585	ng	99
9) Benzaldehyde	6.434	77	372156	41.037	ng	99
10) Phenol	6.528	94	573406	40.798	ng	97
11) bis(2-Chloroethyl)ether	6.622	93	432796	39.863	ng	99
12) 1,3-Dichlorobenzene	6.828	146	447023	38.735	ng	100
13) 1,4-Dichlorobenzene	6.904	146	444550	39.051	ng	99
14) 1,2-Dichlorobenzene	7.051	146	428361	39.285	ng	99
15) Benzyl Alcohol	7.028	79	333987	37.917	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	942813	38.150	ng	100
17) 2-Methylphenol	7.134	107	300923	37.768	ng	99
18) Hexachloroethane	7.398	117	155589	40.983	ng	95
19) n-Nitroso-di-n-propyla...	7.298	70	258435	32.115	ng	99
20) 3+4-Methylphenols	7.287	107	327990	35.518	ng	92
22) Acetophenone	7.298	105	431324	36.001	ng	98
24) Nitrobenzene	7.469	77	429240	41.444	ng	98
25) Isophorone	7.704	82	704001	35.799	ng	100
26) 2-Nitrophenol	7.781	139	204473	46.048	ng	99
27) 2,4-Dimethylphenol	7.816	122	305369	38.230	ng	98
28) bis(2-Chloroethoxy)met...	7.916	93	443313	35.687	ng	99
29) 2,4-Dichlorophenol	8.022	162	314783	37.833	ng	98
30) 1,2,4-Trichlorobenzene	8.110	180	339080	41.438	ng	99
31) Naphthalene	8.193	128	967526	37.537	ng	99
32) Benzoic acid	7.934	122	203083	36.736	ng	96
33) 4-Chloroaniline	8.234	127	342115	35.390	ng	98
34) Hexachlorobutadiene	8.304	225	231323	40.682	ng	99
35) Caprolactam	8.610	113	92289	34.885	ng	99
36) 4-Chloro-3-methylphenol	8.716	107	282692	35.371	ng	98
37) 2-Methylnaphthalene	8.881	142	615393	35.842	ng	99
38) 1-Methylnaphthalene	8.981	142	579247	34.781	ng	97
40) 1,2,4,5-Tetrachloroben...	9.045	216	318829	41.355	ng	97
41) Hexachlorocyclopentadiene	9.034	237	111331	34.808	ng	96
43) 2,4,6-Trichlorophenol	9.157	196	222532	39.505	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143984.D
Acq On : 17 Oct 2025 14:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 17 16:26:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

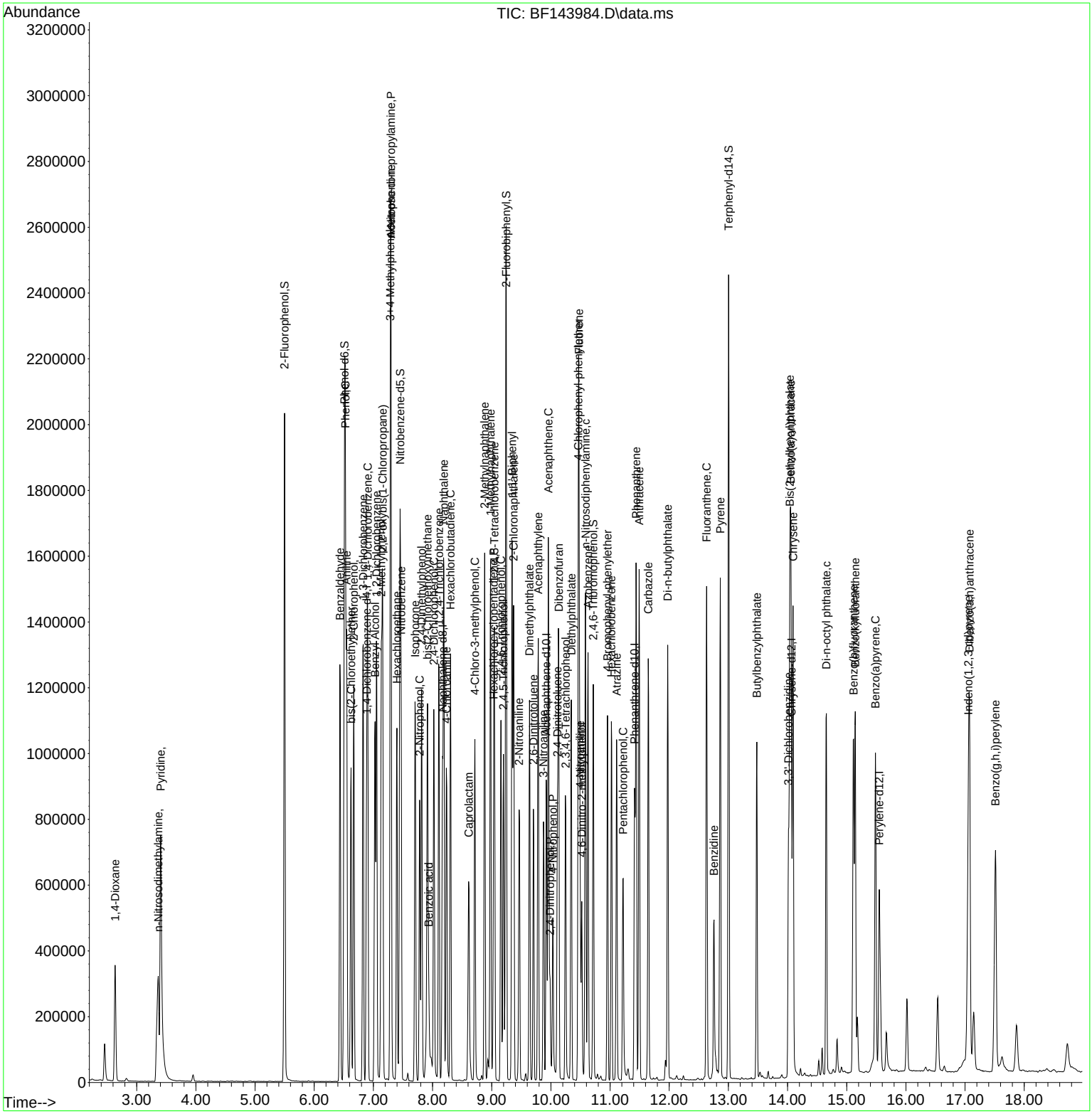
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	244412	41.058	ng		99
46) 1,1'-Biphenyl	9.345	154	706340	38.246	ng		98
47) 2-Chloronaphthalene	9.369	162	613272	39.827	ng		97
48) 2-Nitroaniline	9.463	65	206912	42.502	ng		99
49) Acenaphthylene	9.787	152	824641	38.094	ng		99
50) Dimethylphthalate	9.639	163	686911	38.778	ng		99
51) 2,6-Dinitrotoluene	9.704	165	150191	45.724	ng		96
52) Acenaphthene	9.957	154	546398	38.520	ng		100
53) 3-Nitroaniline	9.875	138	168048	41.782	ng		97
54) 2,4-Dinitrophenol	9.986	184	69751	38.380	ng		93
55) Dibenzofuran	10.134	168	768388	38.374	ng		97
56) 4-Nitrophenol	10.034	139	115766	38.015	ng		97
57) 2,4-Dinitrotoluene	10.110	165	196974	44.073	ng		97
58) Fluorene	10.475	166	572032	37.860	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	165942	39.380	ng	#	96
60) Diethylphthalate	10.345	149	625668	38.019	ng		98
61) 4-Chlorophenyl-phenyle...	10.463	204	310943	38.926	ng		100
62) 4-Nitroaniline	10.492	138	156780	40.536	ng		94
63) Azobenzene	10.628	77	667677	38.820	ng		99
65) 4,6-Dinitro-2-methylph...	10.522	198	110141	47.480	ng		97
66) n-Nitrosodiphenylamine	10.586	169	568648	39.233	ng		98
67) 4-Bromophenyl-phenylether	10.957	248	205930	40.366	ng		98
68) Hexachlorobenzene	11.022	284	239195	40.500	ng		99
69) Atrazine	11.110	200	169754	38.641	ng		97
70) Pentachlorophenol	11.222	266	127614	37.622	ng		97
71) Phenanthrene	11.439	178	864978	38.651	ng		100
72) Anthracene	11.492	178	872658	38.599	ng		99
73) Carbazole	11.645	167	762337	38.072	ng		99
74) Di-n-butylphthalate	11.975	149	930145	40.081	ng		99
75) Fluoranthene	12.633	202	891783	38.579	ng		99
77) Benzidine	12.757	184	328763	33.035	ng		98
78) Pyrene	12.863	202	908439	38.018	ng		99
80) Butylbenzylphthalate	13.480	149	333959	43.034	ng		98
81) Benzo(a)anthracene	14.057	228	756604	40.339	ng		98
82) 3,3'-Dichlorobenzidine	14.016	252	240929	42.150	ng		98
83) Chrysene	14.092	228	701361	40.402	ng		98
84) Bis(2-ethylhexyl)phtha...	14.039	149	433781	46.371	ng		99
85) Di-n-octyl phthalate	14.657	149	754279	49.093	ng		99
87) Indeno(1,2,3-cd)pyrene	17.057	276	849811	44.469	ng		99
88) Benzo(b)fluoranthene	15.116	252	702798	39.229	ng		99
89) Benzo(k)fluoranthene	15.145	252	657259	39.648	ng		99
90) Benzo(a)pyrene	15.486	252	628775	40.477	ng		99
91) Dibenzo(a,h)anthracene	17.074	278	673892	43.846	ng		98
92) Benzo(g,h,i)perylene	17.515	276	674970	43.916	ng		99

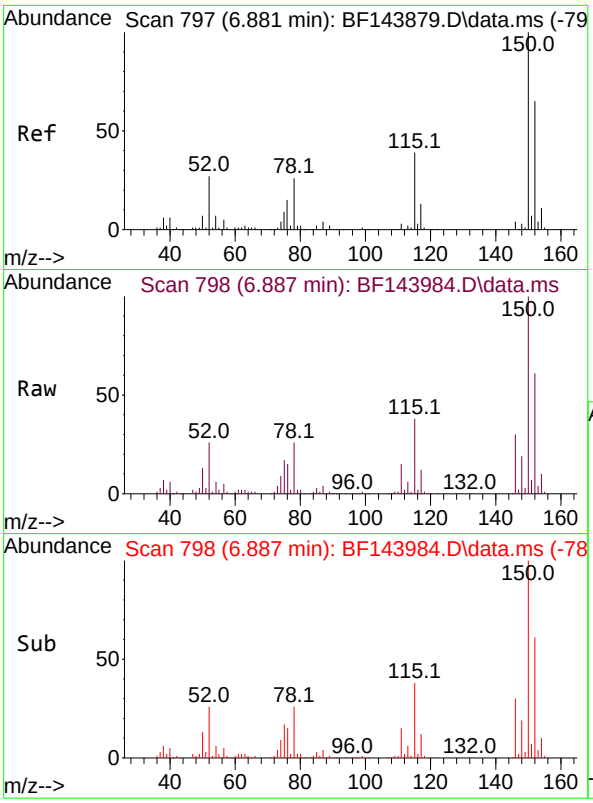
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143984.D
Acq On : 17 Oct 2025 14:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 17 16:26:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



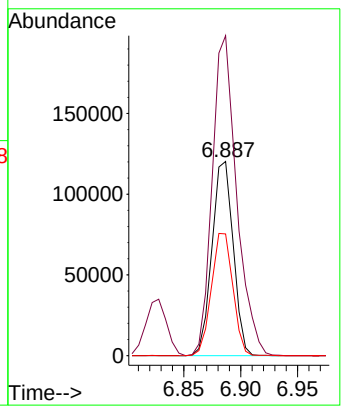


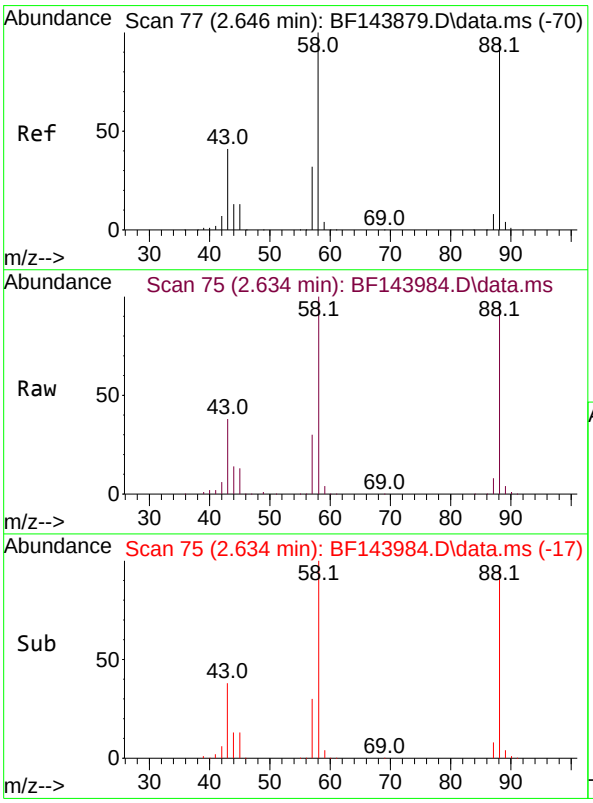
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 79
Delta R.T. 0.001 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 156623

Ion	Ratio	Lower	Upper
152	100		
150	164.8	124.4	186.6
115	62.6	48.1	72.1

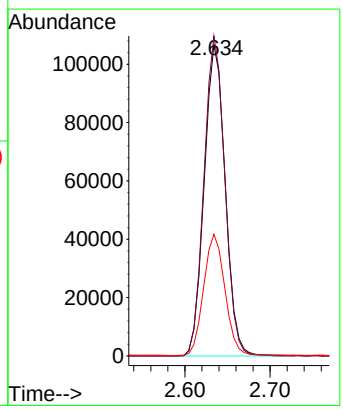


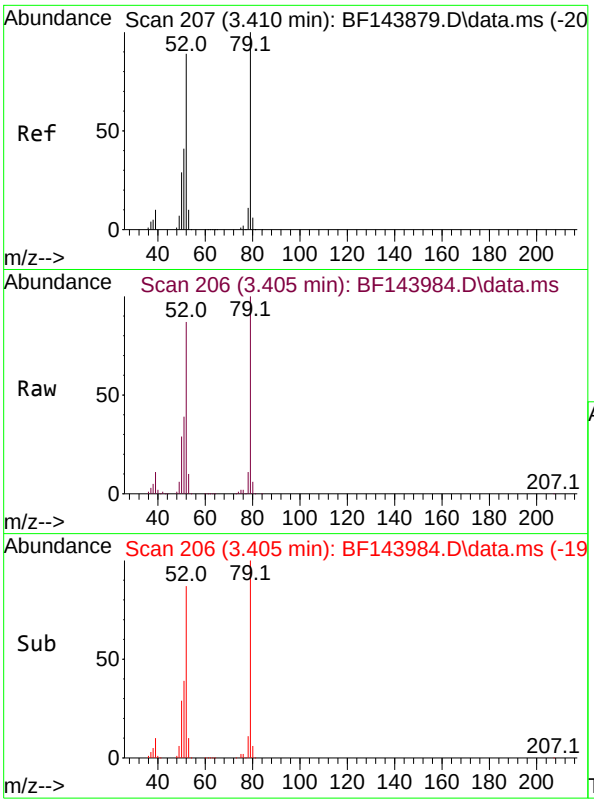


#2
1,4-Dioxane
Concen: 40.084 ng
RT: 2.634 min Scan# 75
Delta R.T. -0.012 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion: 88 Resp: 182945

Ion	Ratio	Lower	Upper
88	100		
58	102.0	83.0	124.6
43	39.3	33.9	50.9



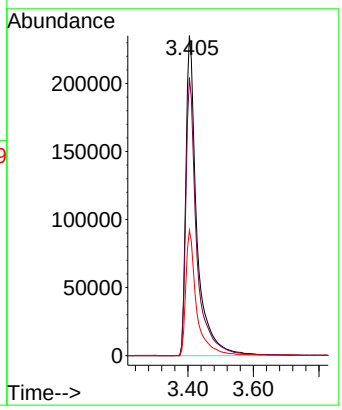


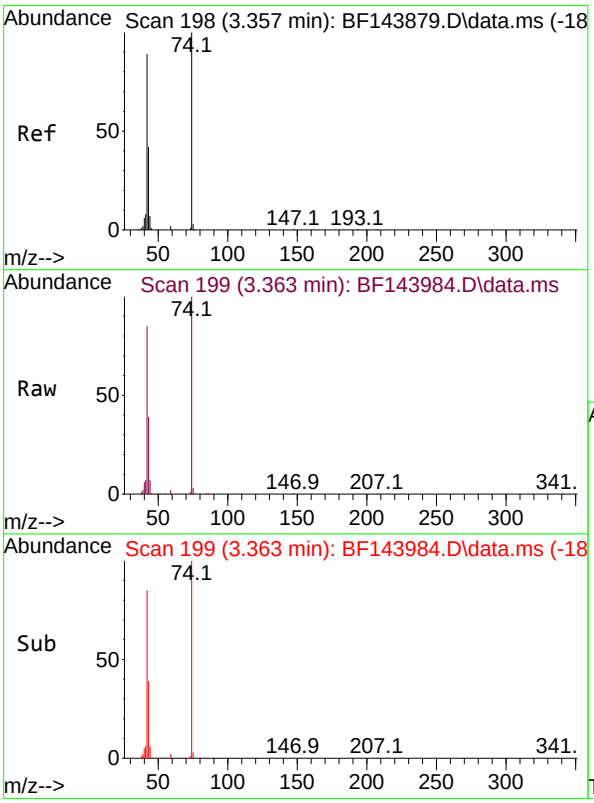
#3
Pyridine
Concen: 41.316 ng
RT: 3.405 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 548961

Ion	Ratio	Lower	Upper
79	100		
52	86.9	71.5	107.3
51	39.1	32.9	49.3

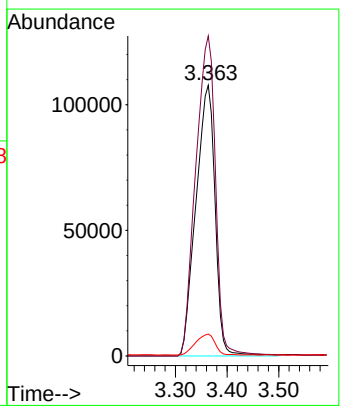


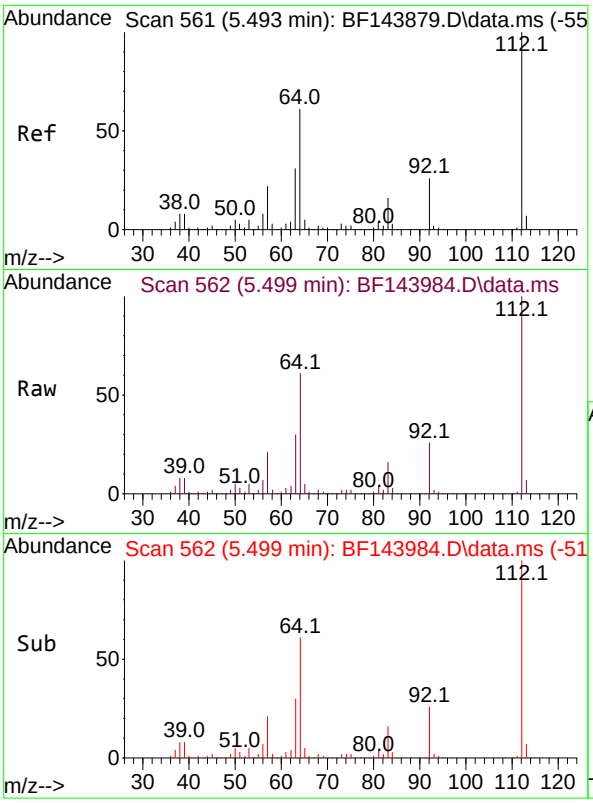


#4
n-Nitrosodimethylamine
Concen: 39.778 ng
RT: 3.363 min Scan# 199
Delta R.T. -0.023 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion: 42 Resp: 278029

Ion	Ratio	Lower	Upper
42	100		
74	118.2	90.0	135.0
44	8.0	6.2	9.2



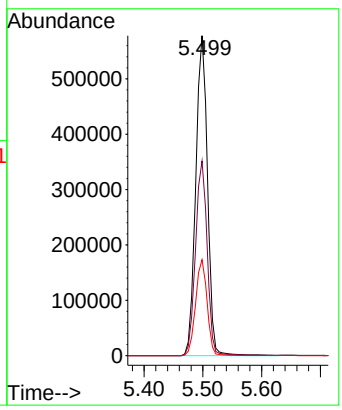


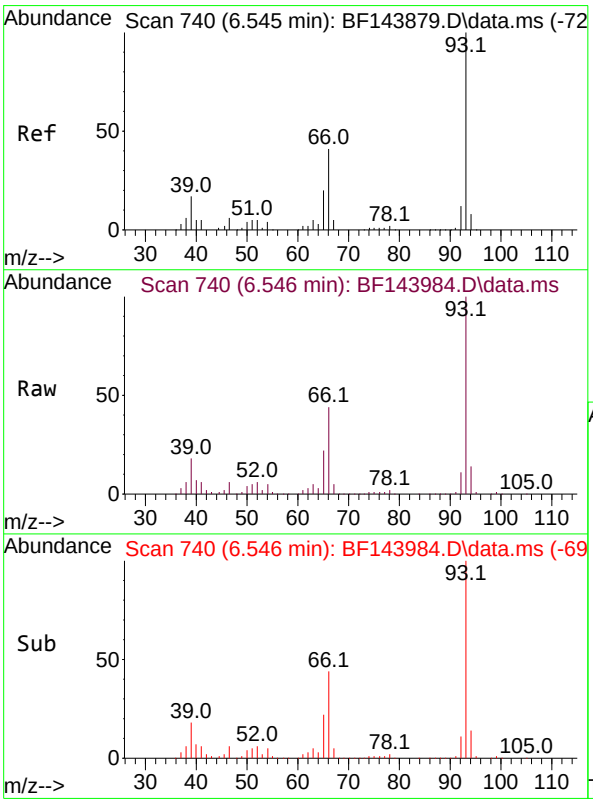
#5
2-Fluorophenol
Concen: 81.301 ng
RT: 5.499 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 801872

Ion	Ratio	Lower	Upper
112	100		
64	60.8	49.1	73.7
63	30.0	24.5	36.7

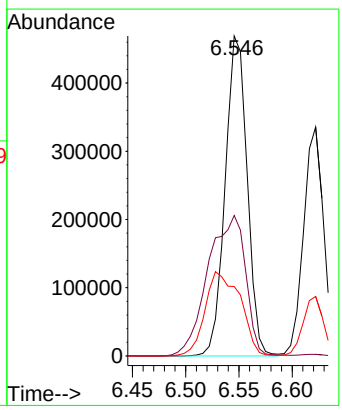


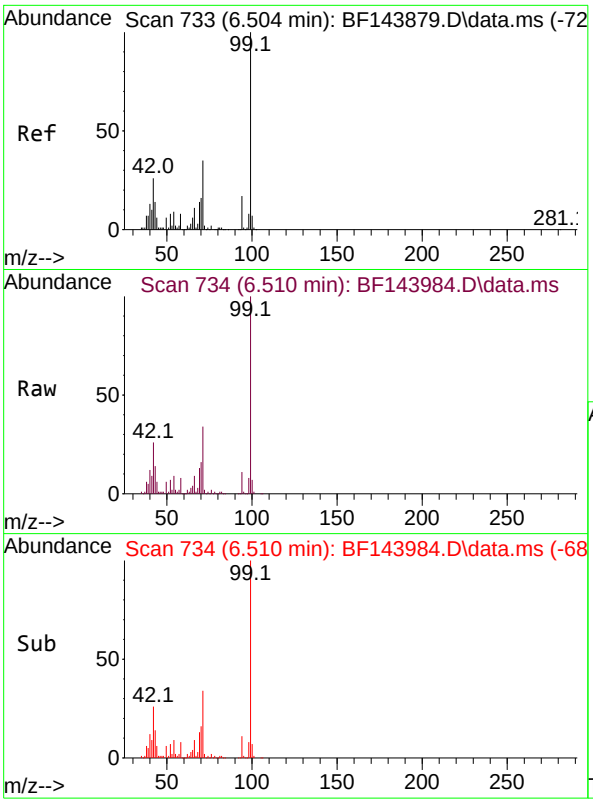


#6
Aniline
Concen: 38.146 ng
RT: 6.546 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion: 93 Resp: 671999

Ion	Ratio	Lower	Upper
93	100		
66	43.9	33.0	49.6
65	21.7	15.8	23.8



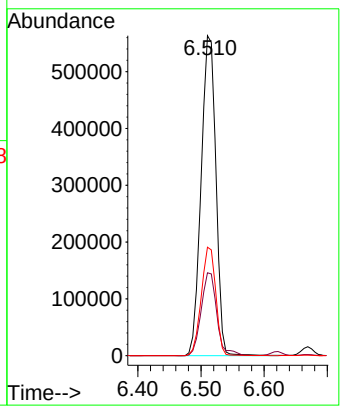


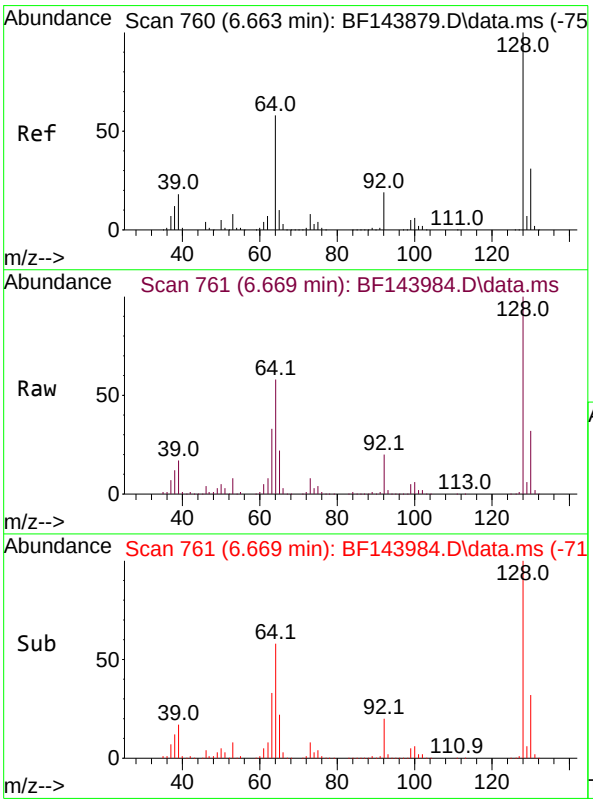
#7
Phenol-d6
Concen: 77.751 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 914059

Ion	Ratio	Lower	Upper
99	100		
42	25.9	21.0	31.4
71	33.9	27.8	41.8

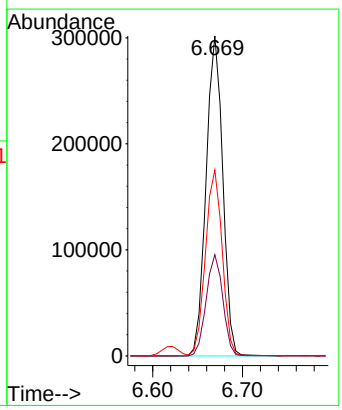


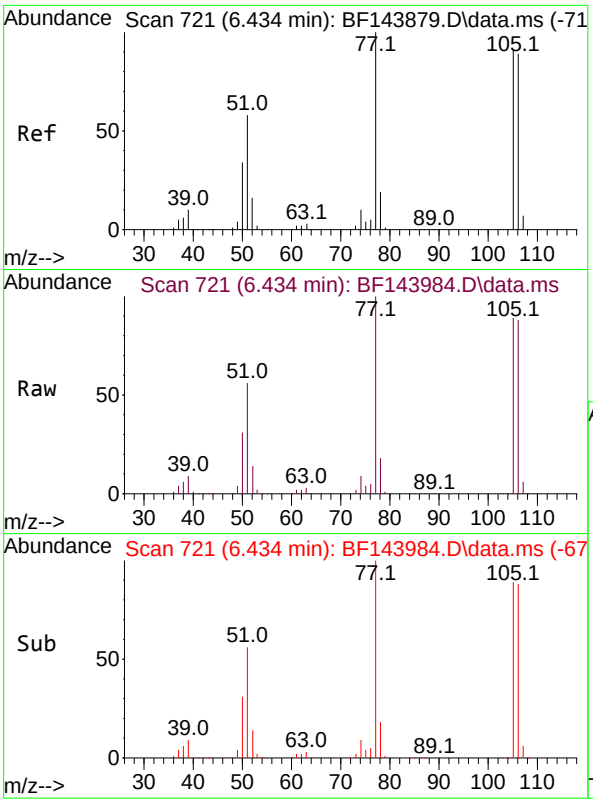


#8
2-Chlorophenol
Concen: 40.585 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:128 Resp: 391285

Ion	Ratio	Lower	Upper
128	100		
130	31.6	10.7	50.7
64	58.1	39.0	79.0



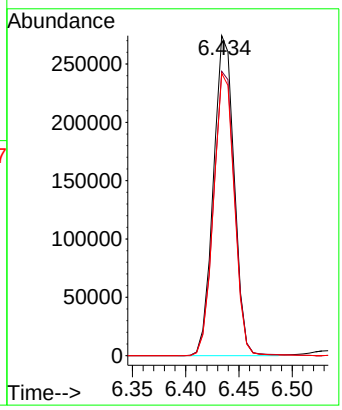


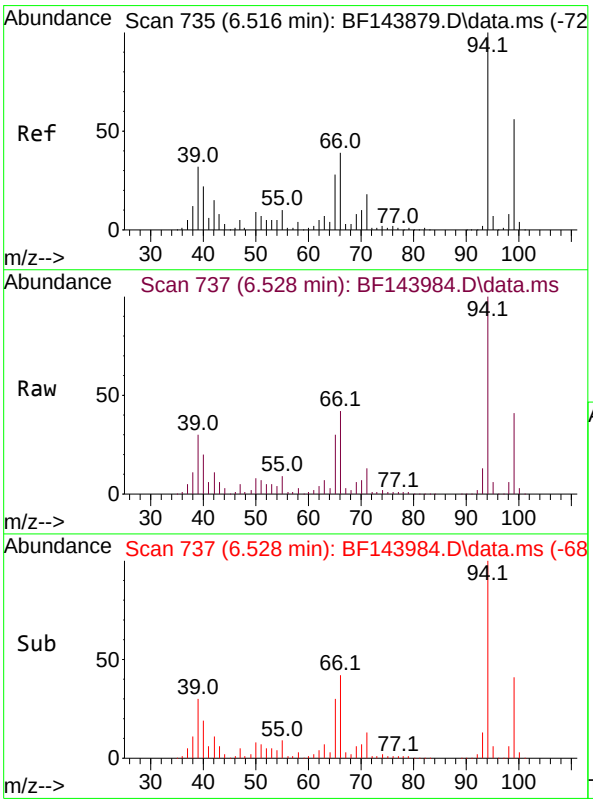
#9
Benzaldehyde
Concen: 41.037 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 372156

Ion	Ratio	Lower	Upper
77	100		
105	88.9	70.9	110.9
106	88.2	68.9	108.9

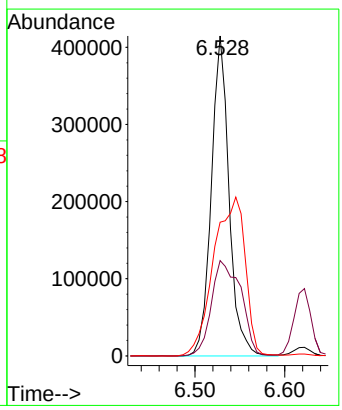


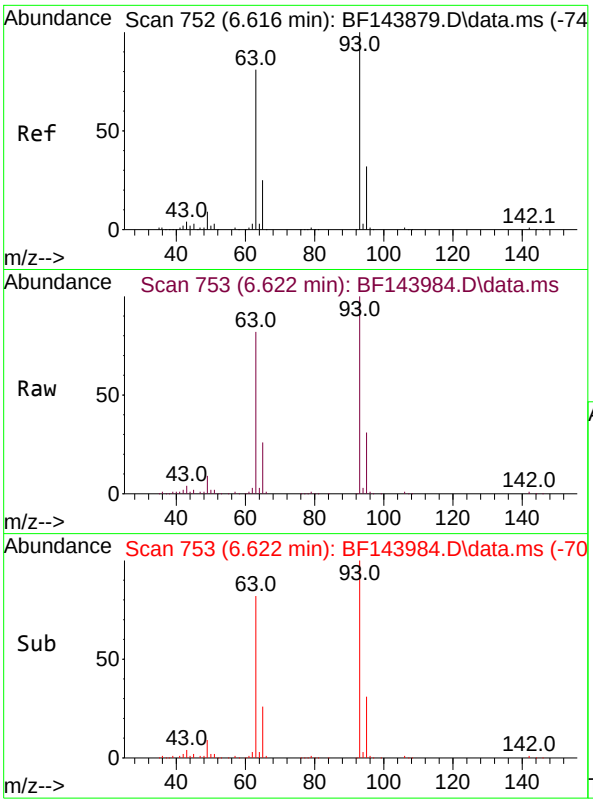


#10
Phenol
Concen: 40.798 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion: 94 Resp: 573406

Ion	Ratio	Lower	Upper
94	100		
65	29.8	8.5	48.5
66	41.8	19.9	59.9



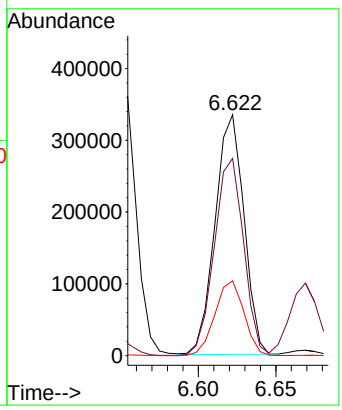


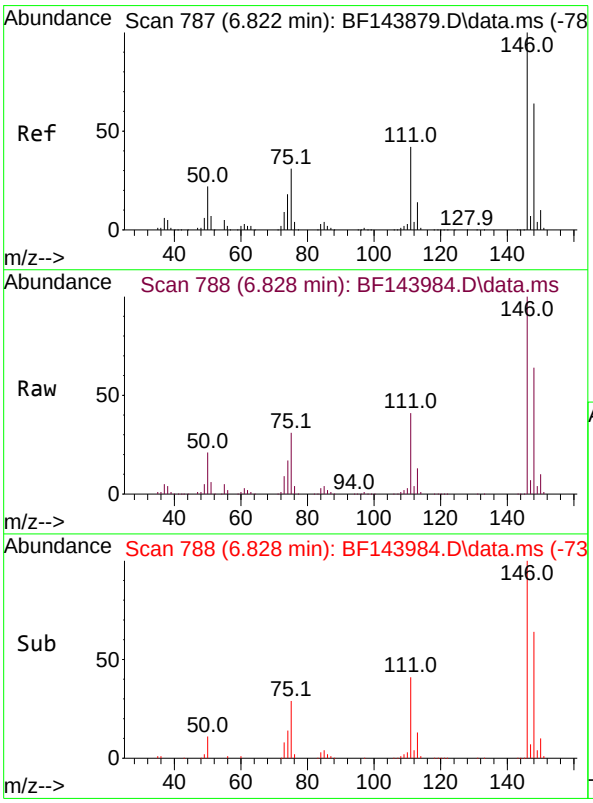
#11
bis(2-Chloroethyl)ether
Concen: 39.863 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 432796

Ion	Ratio	Lower	Upper
93	100		
63	81.9	60.9	100.9
95	31.1	11.5	51.5

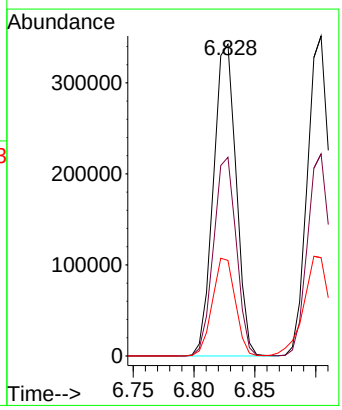


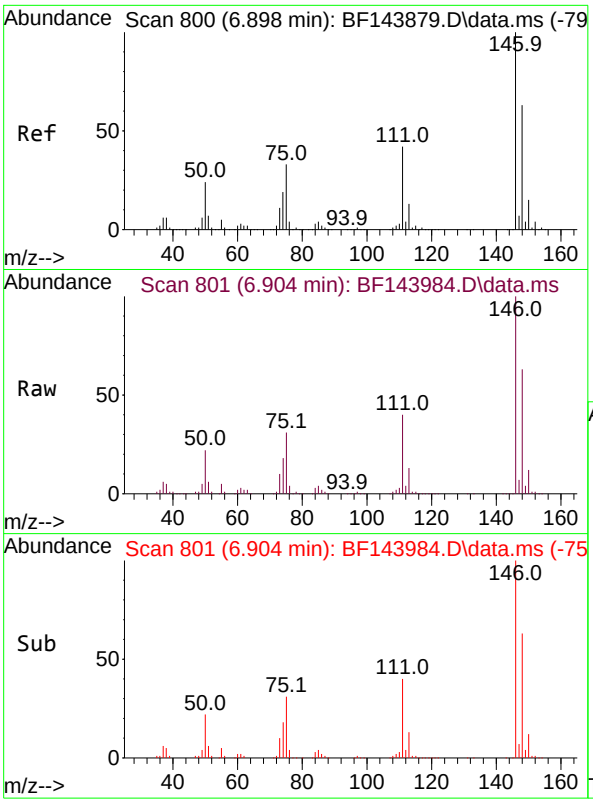


#12
1,3-Dichlorobenzene
Concen: 38.735 ng
RT: 6.828 min Scan# 788
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:146 Resp: 447023

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
75	30.6	24.9	37.3



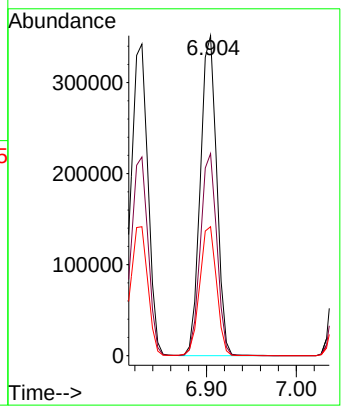


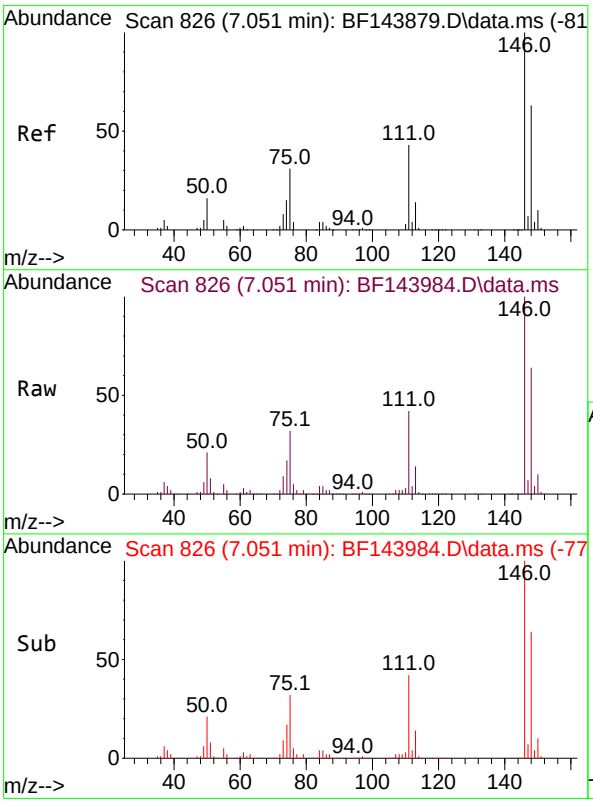
#13
1,4-Dichlorobenzene
Concen: 39.051 ng
RT: 6.904 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 444550

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
111	40.3	33.4	50.0

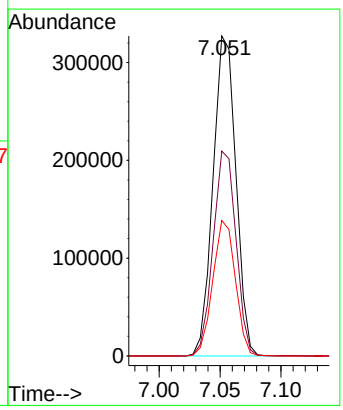


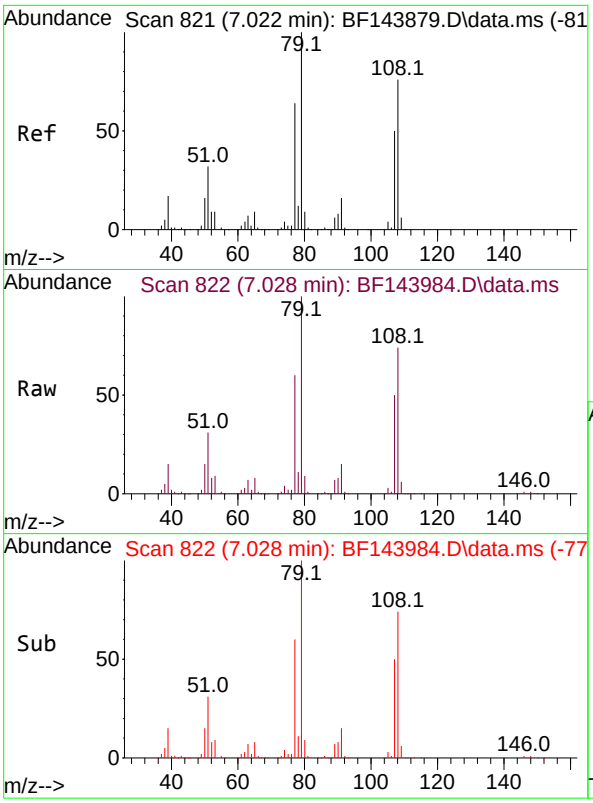


#14
1,2-Dichlorobenzene
Concen: 39.285 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:146 Resp: 428361

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.6	75.8
111	42.3	34.6	51.8



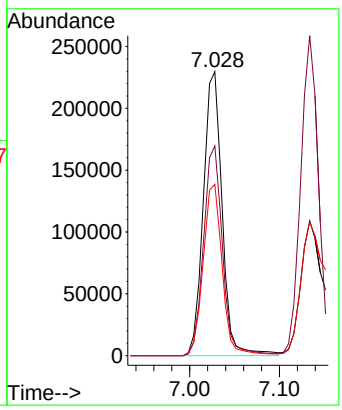


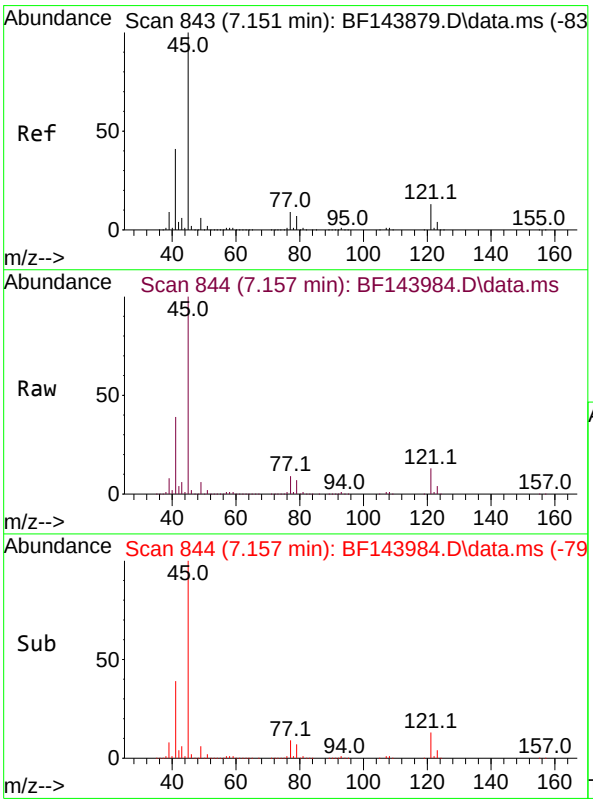
#15
Benzyl Alcohol
Concen: 37.917 ng
RT: 7.028 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 333987

Ion	Ratio	Lower	Upper
79	100		
108	73.9	60.8	91.2
77	60.4	51.0	76.6

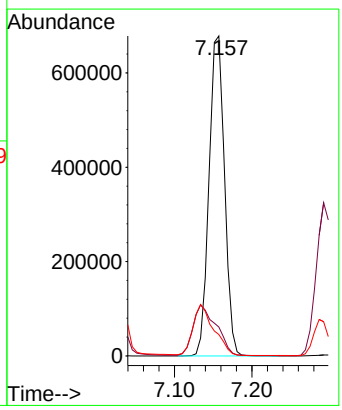


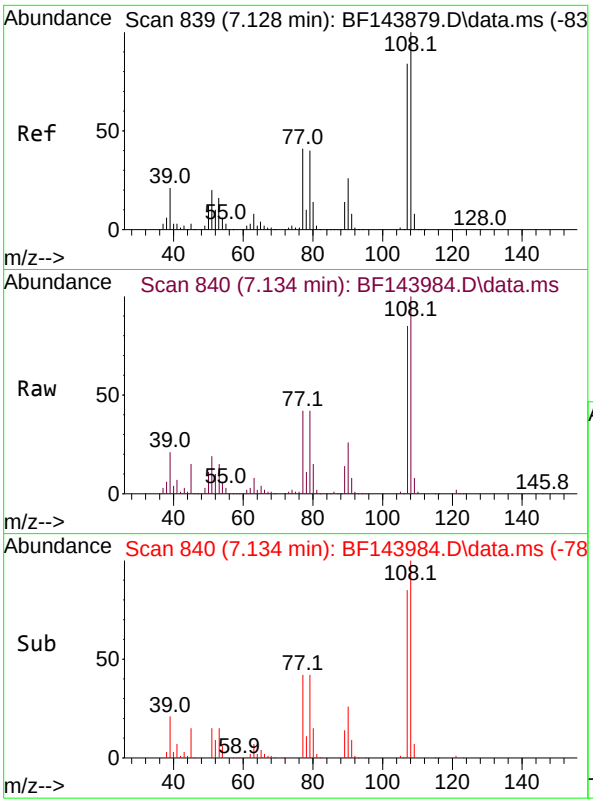


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.150 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion: 45 Resp: 942813

Ion	Ratio	Lower	Upper
45	100		
77	9.0	0.0	29.0
79	6.7	0.0	26.8



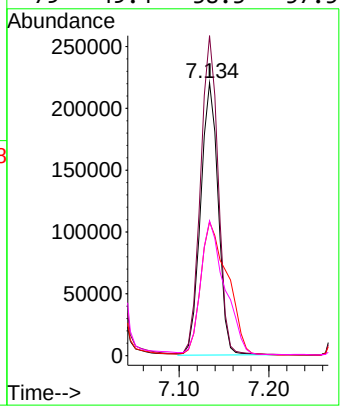


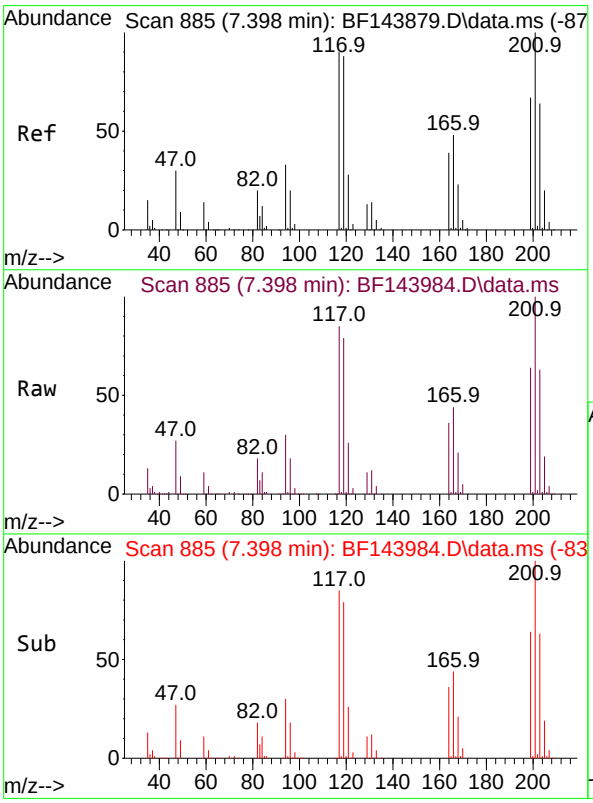
#17
2-Methylphenol
Concen: 37.768 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 300923

Ion	Ratio	Lower	Upper
107	100		
108	117.3	94.7	142.1
77	49.0	38.8	58.2
79	49.4	38.3	57.5

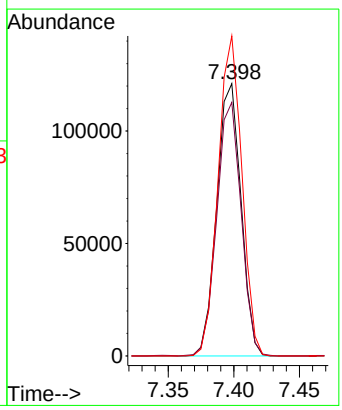


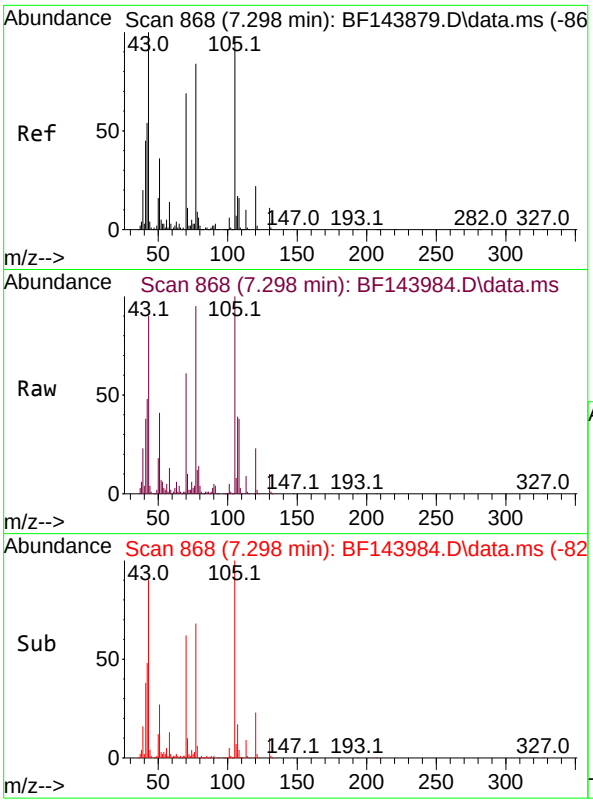


#18
Hexachloroethane
Concen: 40.983 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:117 Resp: 155589

Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.8	116.8
201	117.6	88.5	132.7



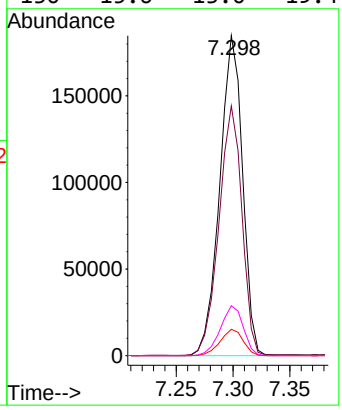


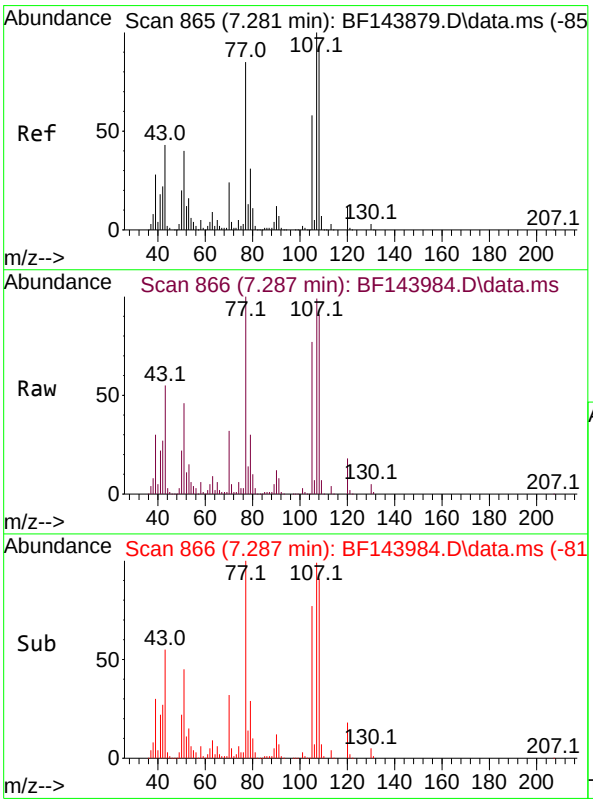
#19
n-Nitroso-di-n-propylamine
Concen: 32.115 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 258435

Ion	Ratio	Lower	Upper
70	100		
42	78.0	62.8	94.2
101	8.2	6.7	10.1
130	15.6	13.0	19.4

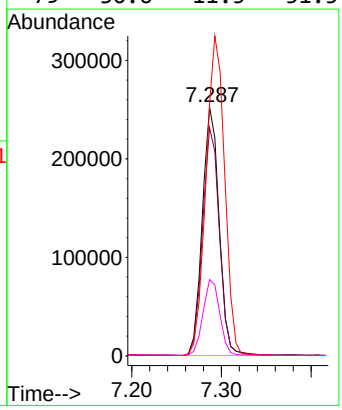


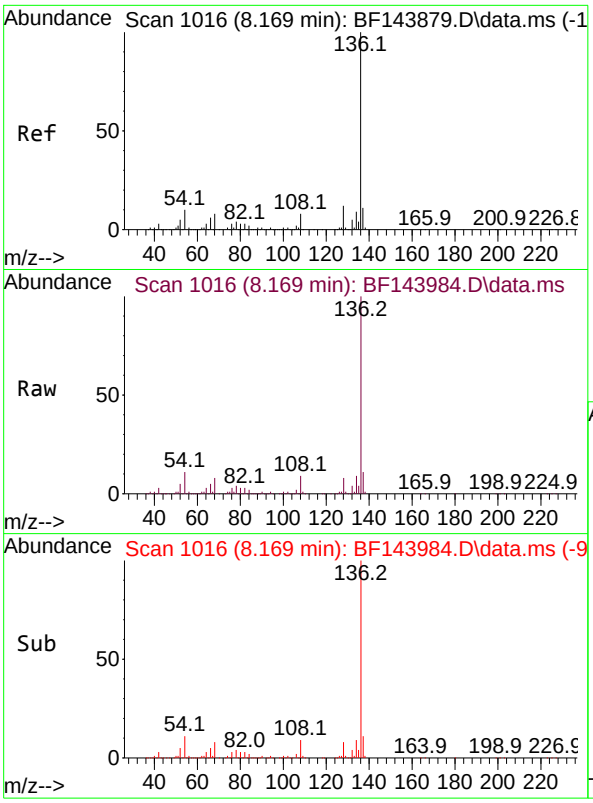


#20
3+4-Methylphenols
Concen: 35.518 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.012 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:107 Resp: 327990

Ion	Ratio	Lower	Upper
107	100		
108	91.6	73.0	113.0
77	101.1	64.6	104.6
79	30.6	11.5	51.5



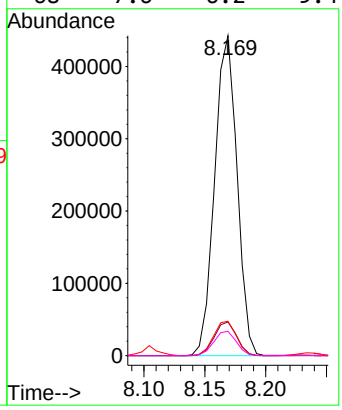


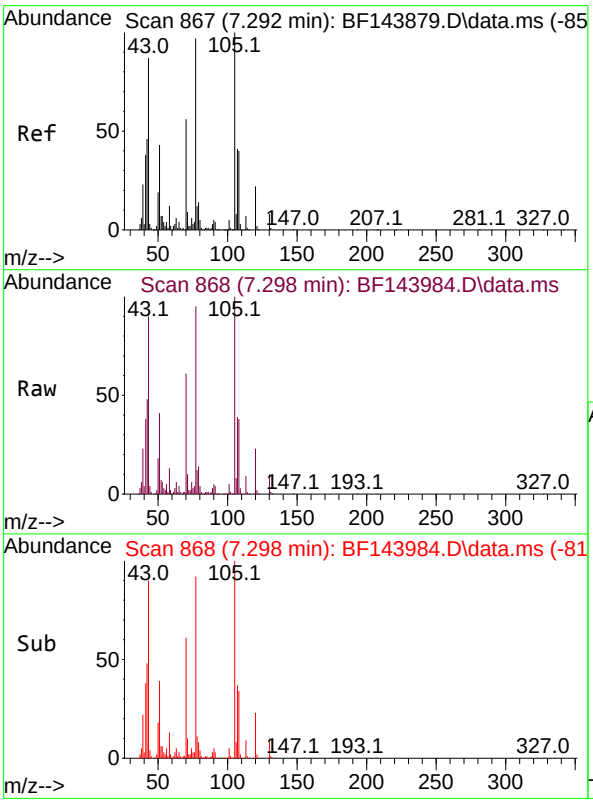
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 566623

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	10.7	8.2	12.4
68	7.6	6.2	9.4

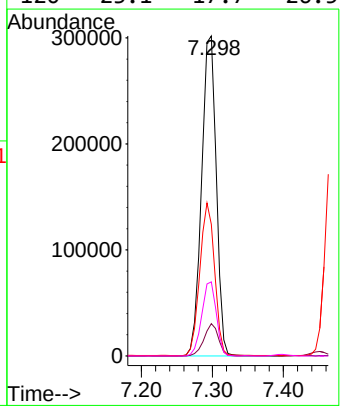


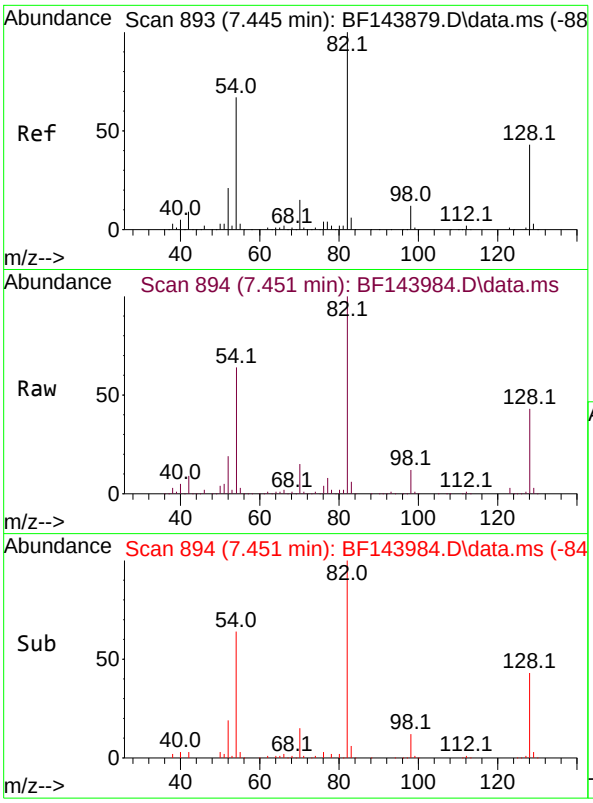


#22
Acetophenone
Concen: 36.001 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:105 Resp: 431324

Ion	Ratio	Lower	Upper
105	100		
71	10.1	7.4	11.0
51	41.1	34.2	51.4
120	23.1	17.7	26.5



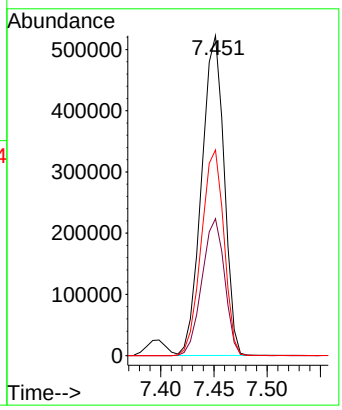


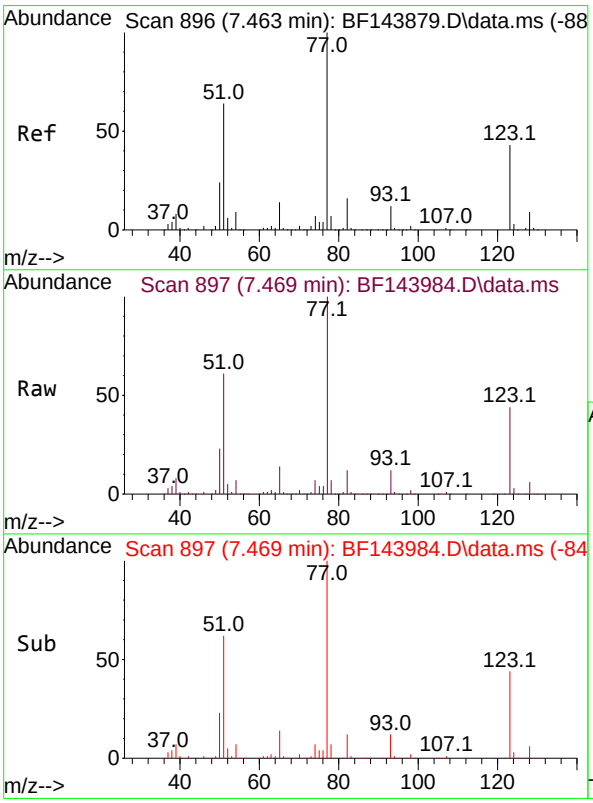
#23
Nitrobenzene-d5
Concen: 82.295 ng
RT: 7.451 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 767518

Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.0	51.0
54	64.3	53.2	79.8

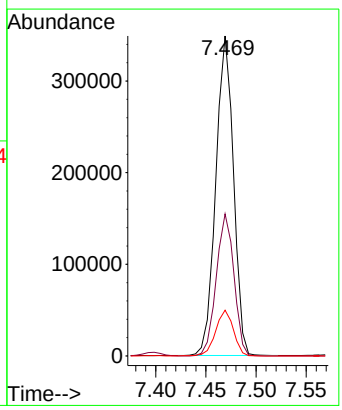


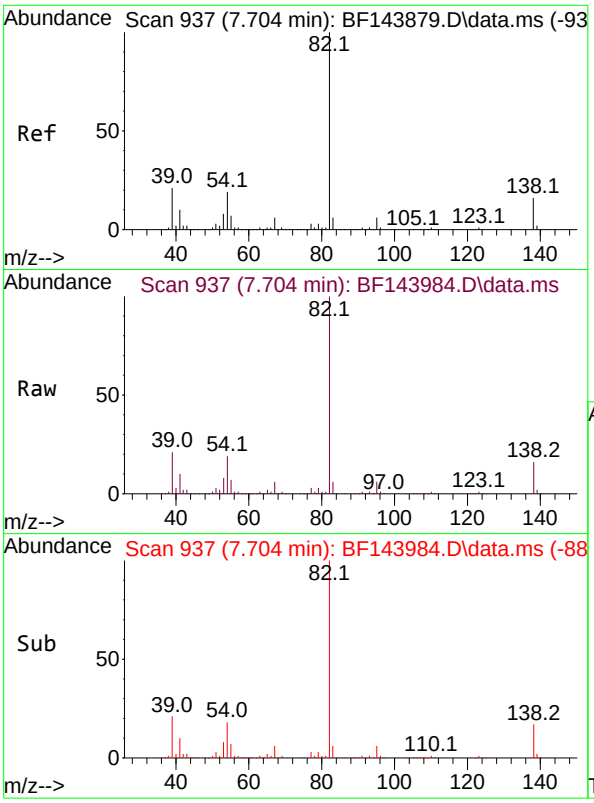


#24
Nitrobenzene
Concen: 41.444 ng
RT: 7.469 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion: 77 Resp: 429240

Ion	Ratio	Lower	Upper
77	100		
123	44.4	34.2	51.4
65	14.3	11.0	16.6



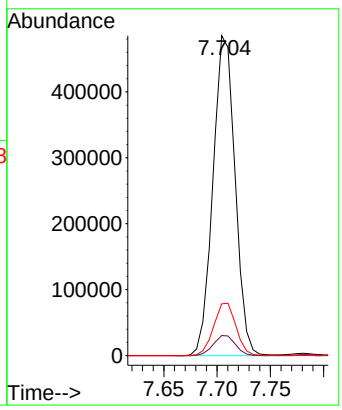


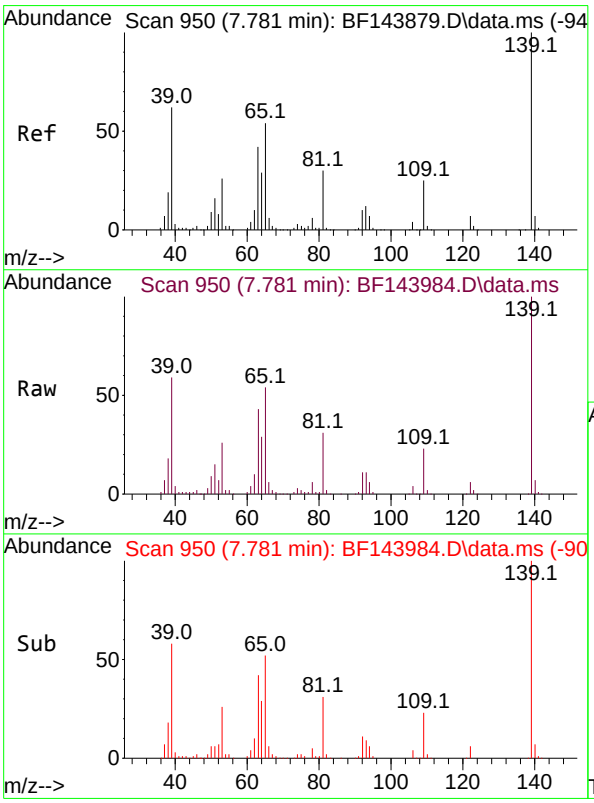
#25
Isophorone
Concen: 35.799 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 704001

Ion	Ratio	Lower	Upper
82	100		
95	6.3	5.1	7.7
138	16.2	12.9	19.3

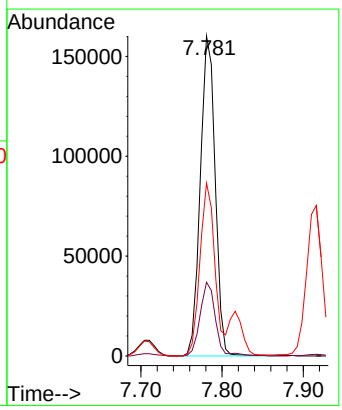


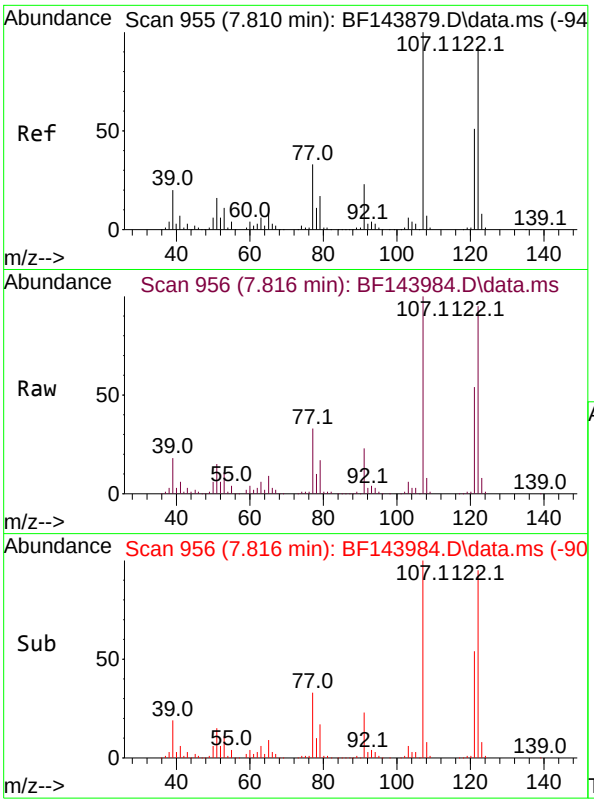


#26
2-Nitrophenol
Concen: 46.048 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:139 Resp: 204473

Ion	Ratio	Lower	Upper
139	100		
109	23.0	19.8	29.6
65	54.0	42.9	64.3



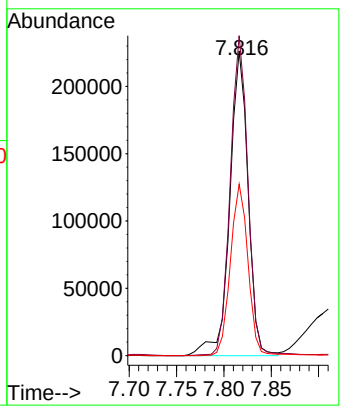


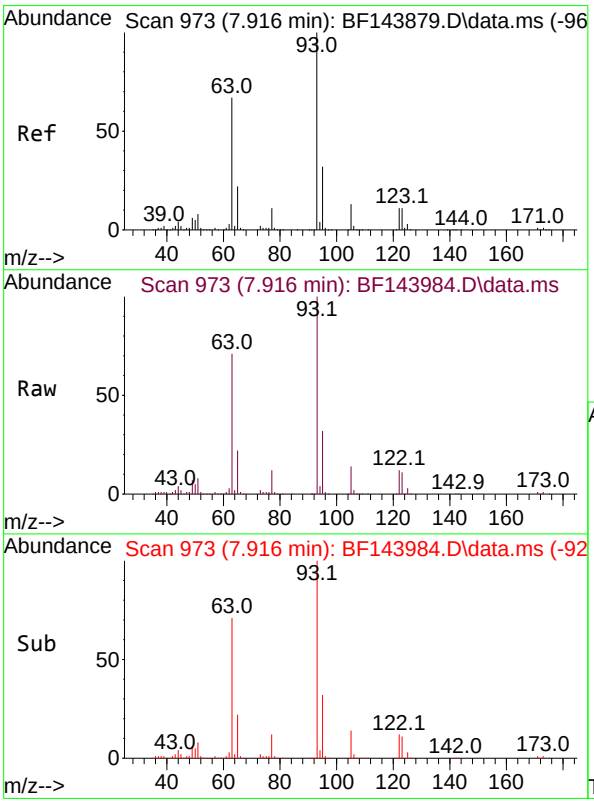
#27
2,4-Dimethylphenol
Concen: 38.230 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 305369

Ion	Ratio	Lower	Upper
122	100		
107	105.0	86.1	129.1
121	56.3	43.8	65.6

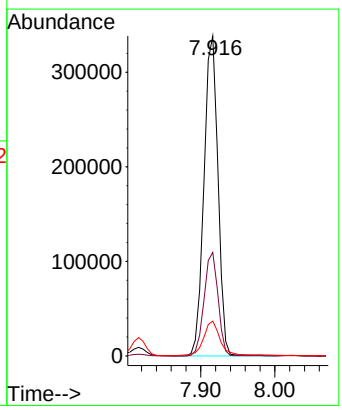


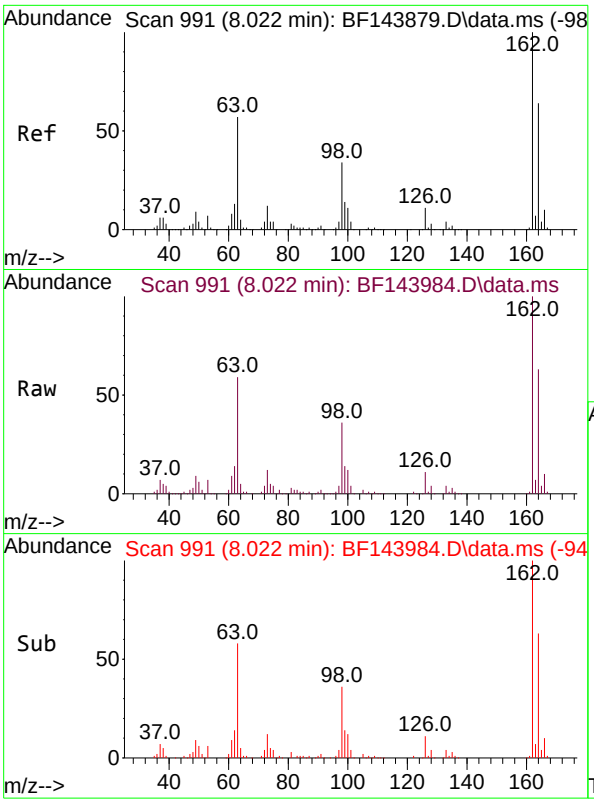


#28
bis(2-Chloroethoxy)methane
Concen: 35.687 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion: 93 Resp: 443313

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.9	38.9
123	10.9	9.4	14.0



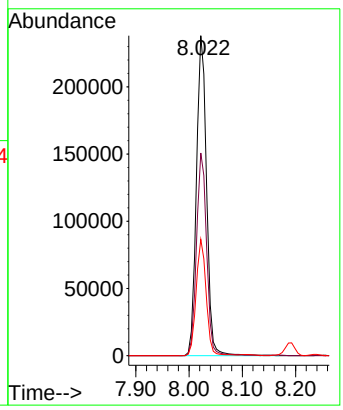


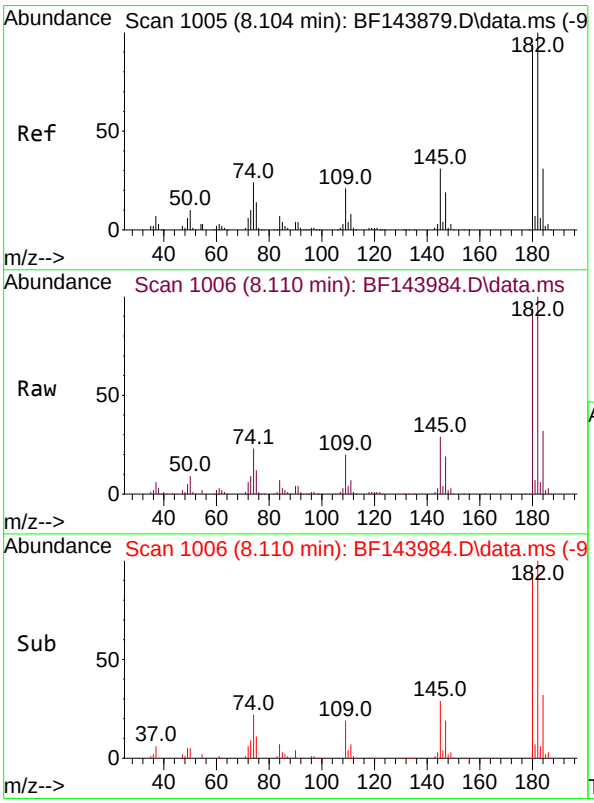
#29
2,4-Dichlorophenol
Concen: 37.833 ng
RT: 8.022 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 314783

Ion	Ratio	Lower	Upper
162	100		
164	63.3	43.9	83.9
98	36.3	14.4	54.4

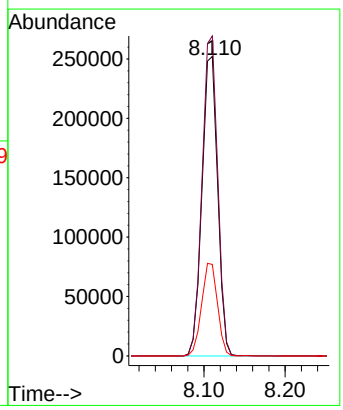


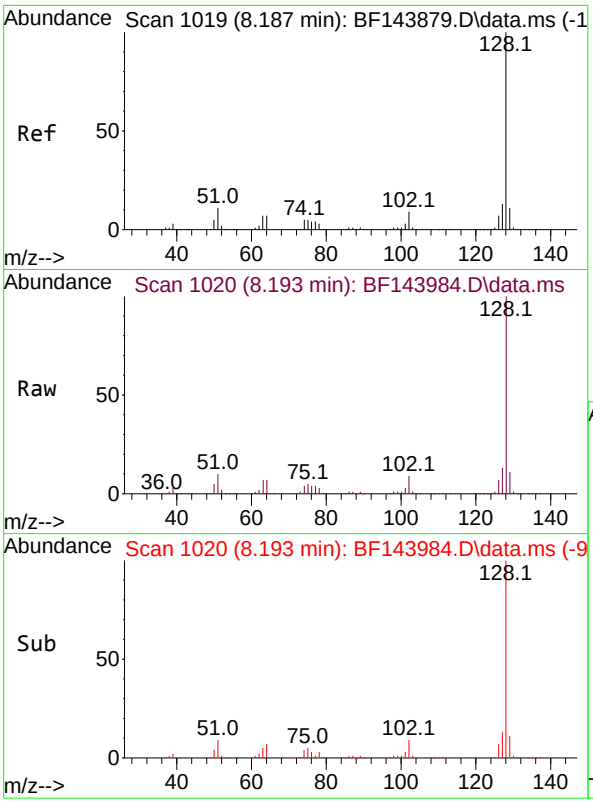


#30
1,2,4-Trichlorobenzene
Concen: 41.438 ng
RT: 8.110 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:180 Resp: 339080

Ion	Ratio	Lower	Upper
180	100		
182	106.9	85.4	128.0
145	30.6	26.3	39.5



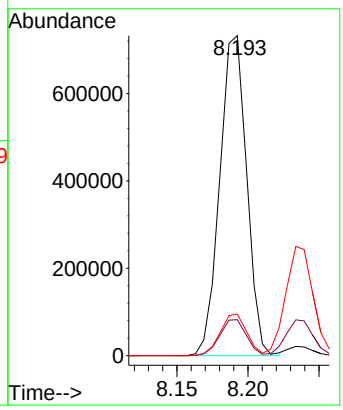


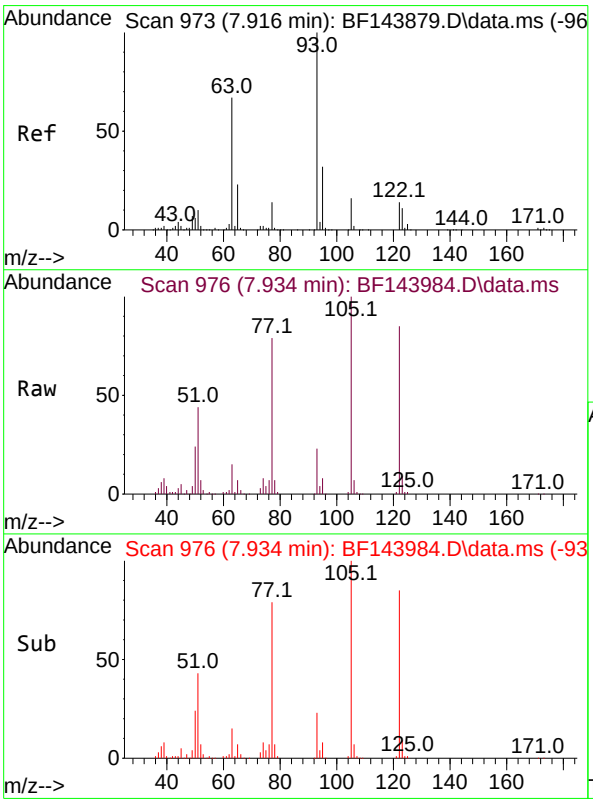
#31
Naphthalene
Concen: 37.537 ng
RT: 8.193 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 967526

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.0	10.0	15.0

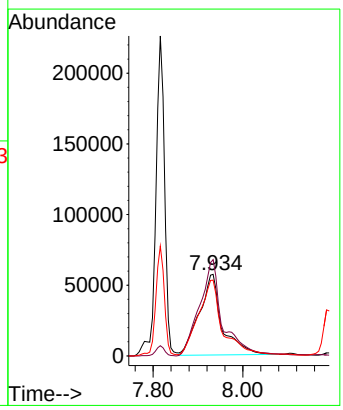


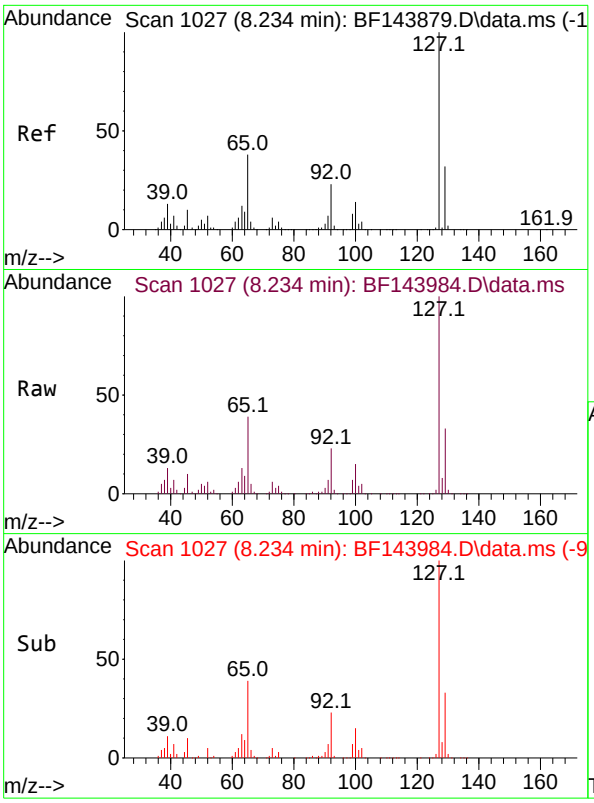


#32
Benzoic acid
Concen: 36.736 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.029 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:122 Resp: 203083

Ion	Ratio	Lower	Upper
122	100		
105	118.0	93.5	133.5
77	92.9	76.3	116.3



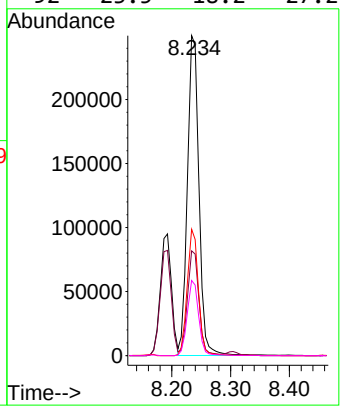


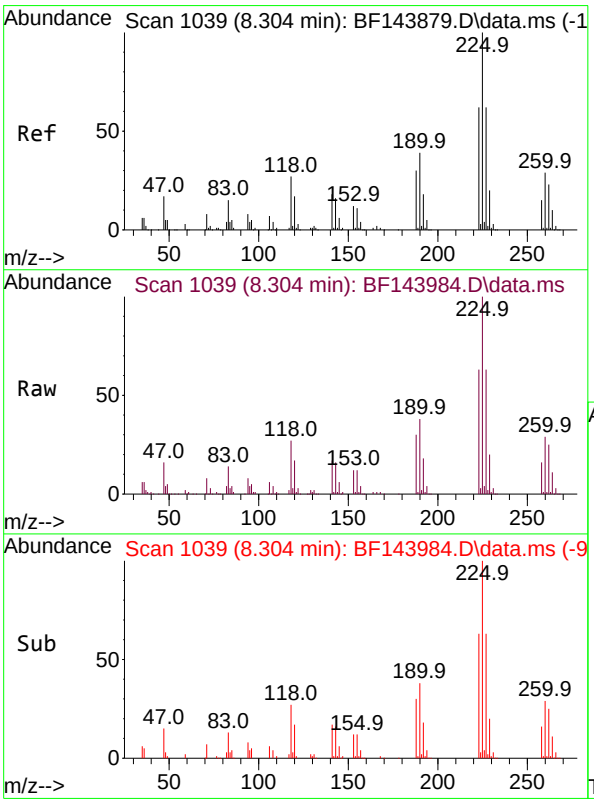
#33
4-Chloroaniline
Concen: 35.390 ng
RT: 8.234 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 342115

Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.8	38.8
65	39.5	30.0	45.0
92	23.5	18.2	27.2

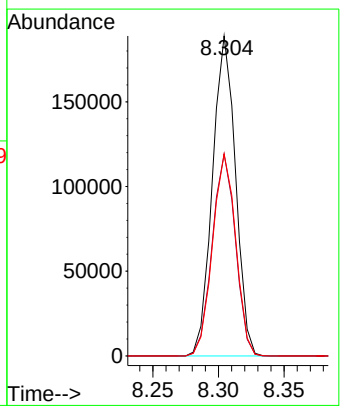


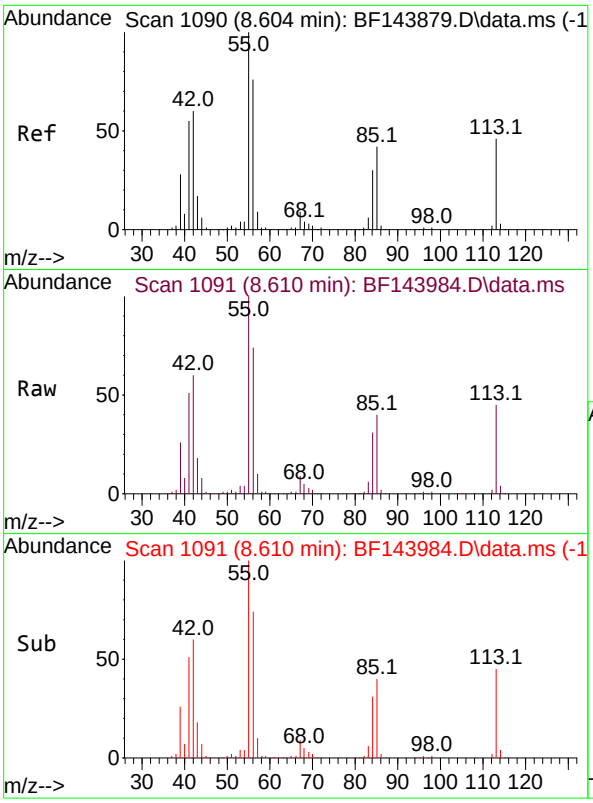


#34
Hexachlorobutadiene
Concen: 40.682 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:225 Resp: 231323

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.4	74.2
227	63.1	49.7	74.5



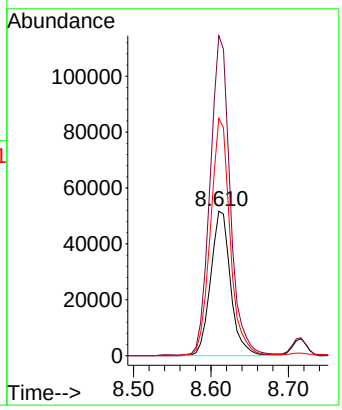


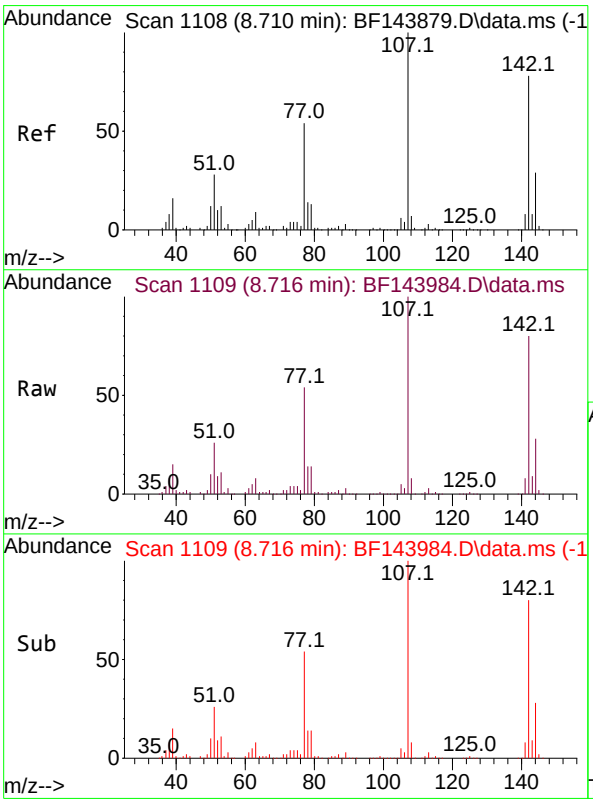
#35
Caprolactam
Concen: 34.885 ng
RT: 8.610 min Scan# 10
Delta R.T. -0.035 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 92289

Ion	Ratio	Lower	Upper
113	100		
55	221.7	199.6	239.6
56	164.4	146.0	186.0

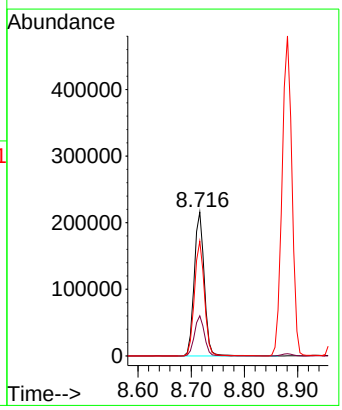


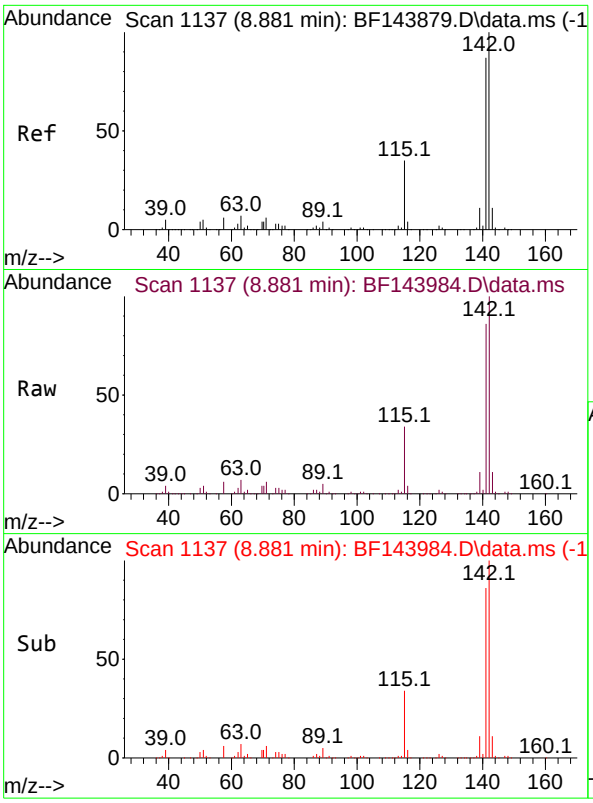


#36
4-Chloro-3-methylphenol
Concen: 35.371 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:107 Resp: 282692

Ion	Ratio	Lower	Upper
107	100		
144	27.9	23.1	34.7
142	79.8	62.6	94.0



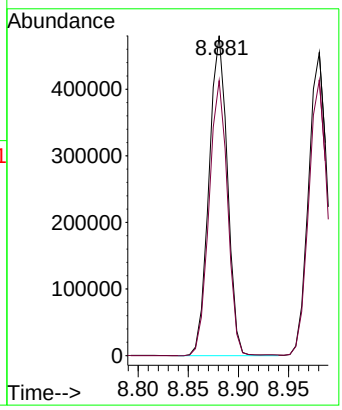


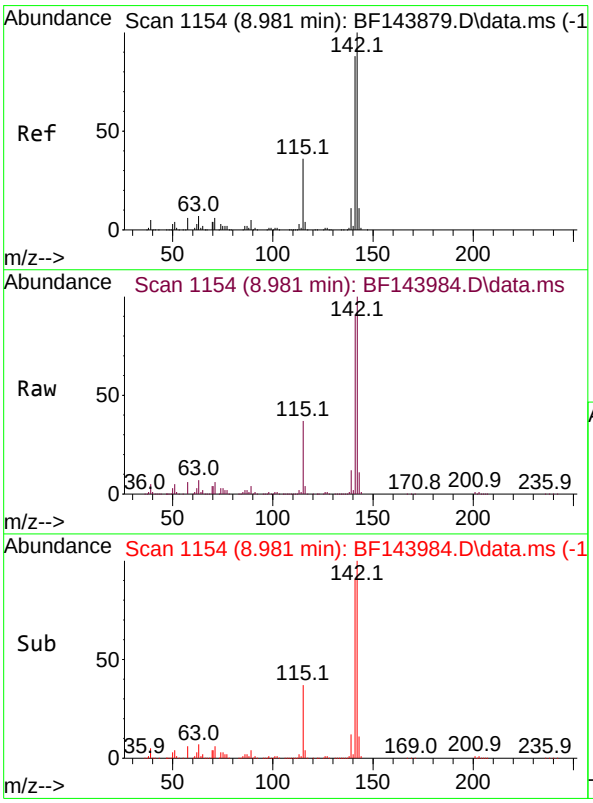
#37
2-Methylnaphthalene
Concen: 35.842 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 615393

Ion	Ratio	Lower	Upper
142	100		
141	86.0	69.2	103.8

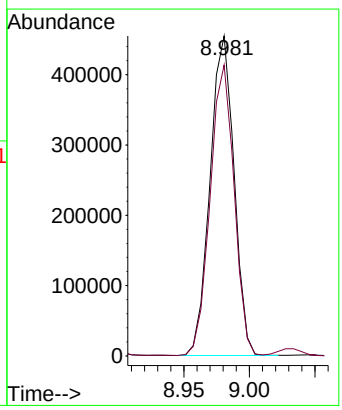


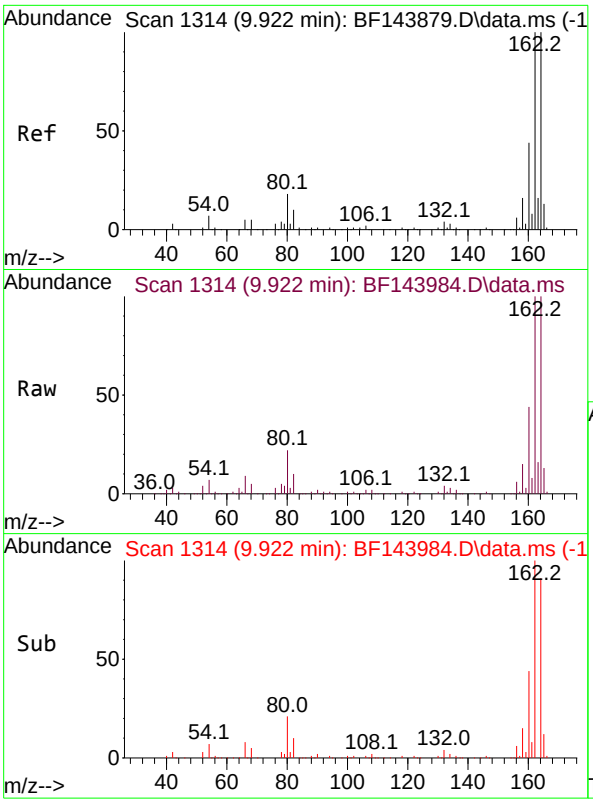


#38
1-Methylnaphthalene
Concen: 34.781 ng
RT: 8.981 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:142 Resp: 579247

Ion	Ratio	Lower	Upper
142	100		
141	90.9	70.8	106.2



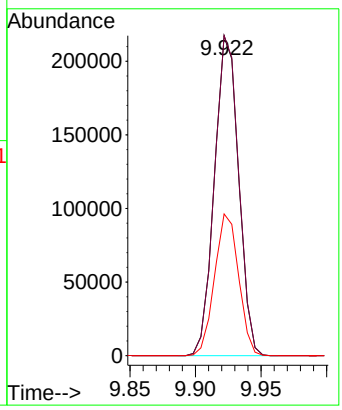


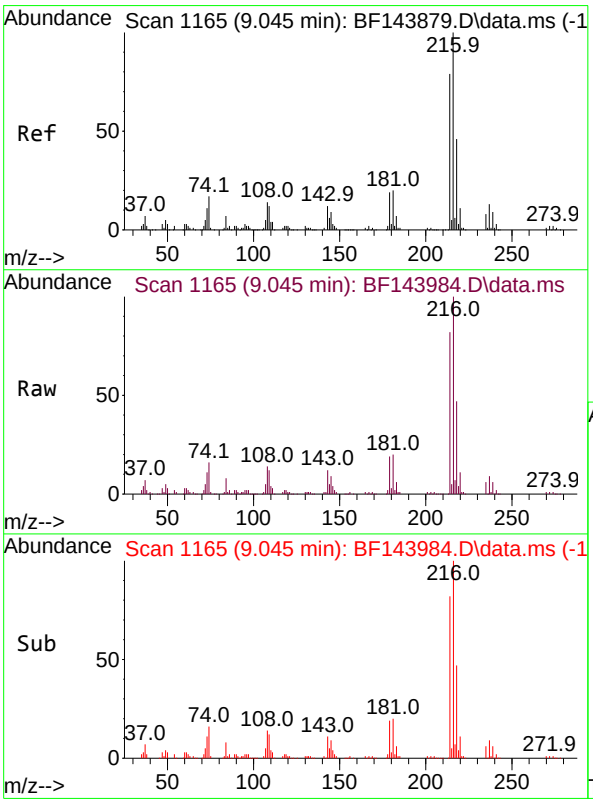
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 278942

Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.2	120.2
160	44.3	35.4	53.0

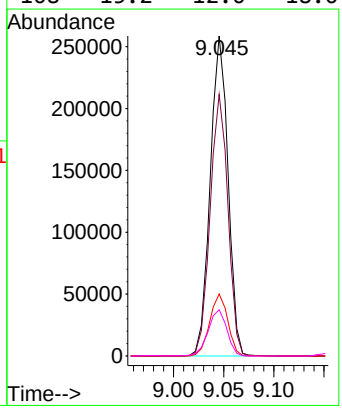


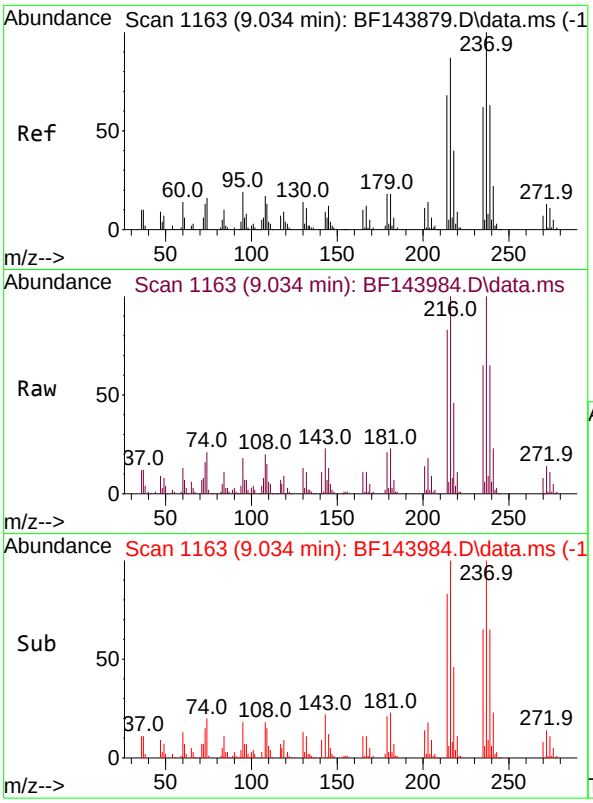


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.355 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:216 Resp: 318829

Ion	Ratio	Lower	Upper
216	100		
214	81.8	62.6	94.0
179	19.5	15.4	23.0
108	15.2	12.0	18.0



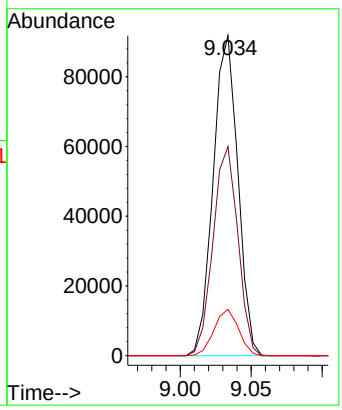


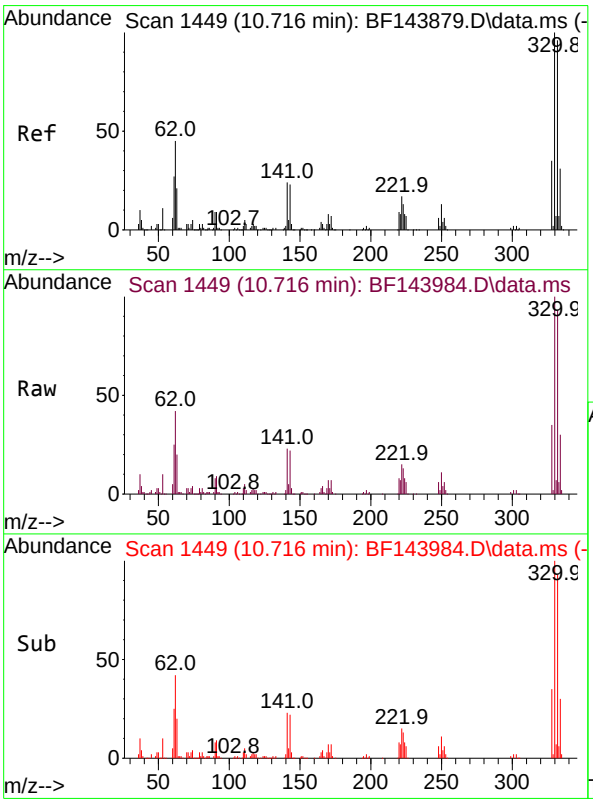
#41
Hexachlorocyclopentadiene
Concen: 34.808 ng
RT: 9.034 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 111331

Ion	Ratio	Lower	Upper
237	100		
235	65.3	42.3	82.3
272	14.5	0.0	33.1

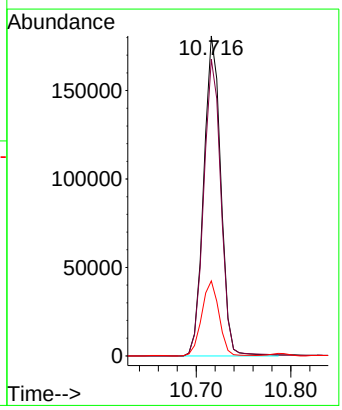


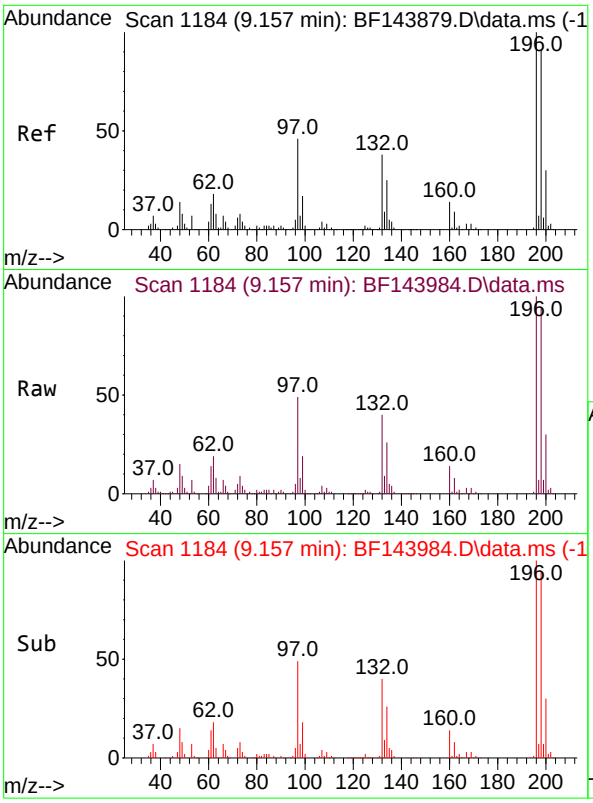


#42
2,4,6-Tribromophenol
Concen: 81.635 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:330 Resp: 226809

Ion	Ratio	Lower	Upper
330	100		
332	94.0	76.9	115.3
141	23.8	20.2	30.4



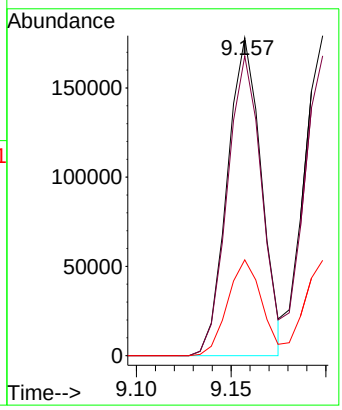


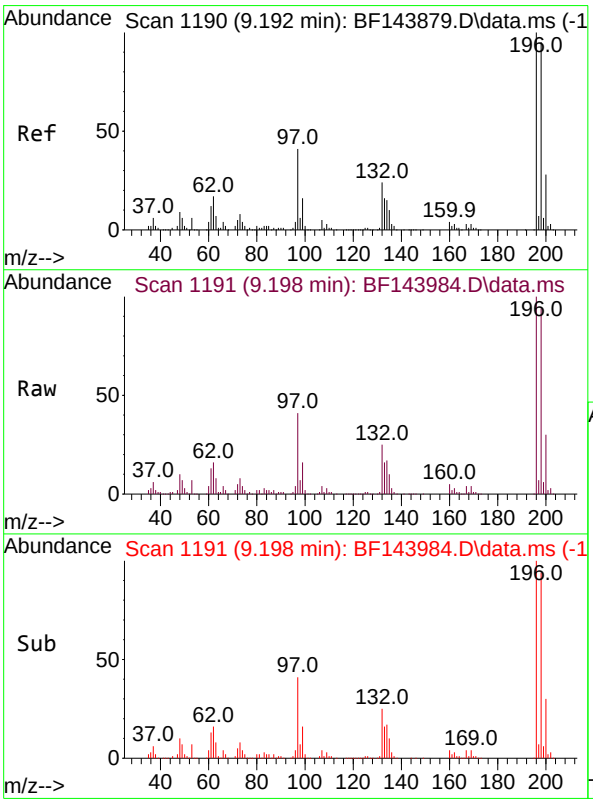
#43
2,4,6-Trichlorophenol
Concen: 39.505 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 222532

Ion	Ratio	Lower	Upper
196	100		
198	94.3	72.8	109.2
200	30.1	24.0	36.0

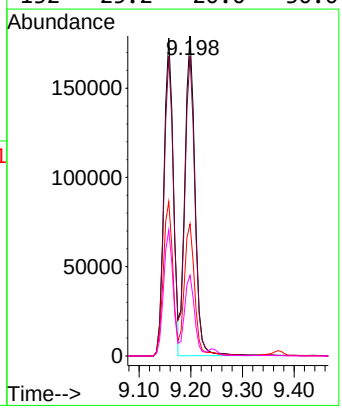


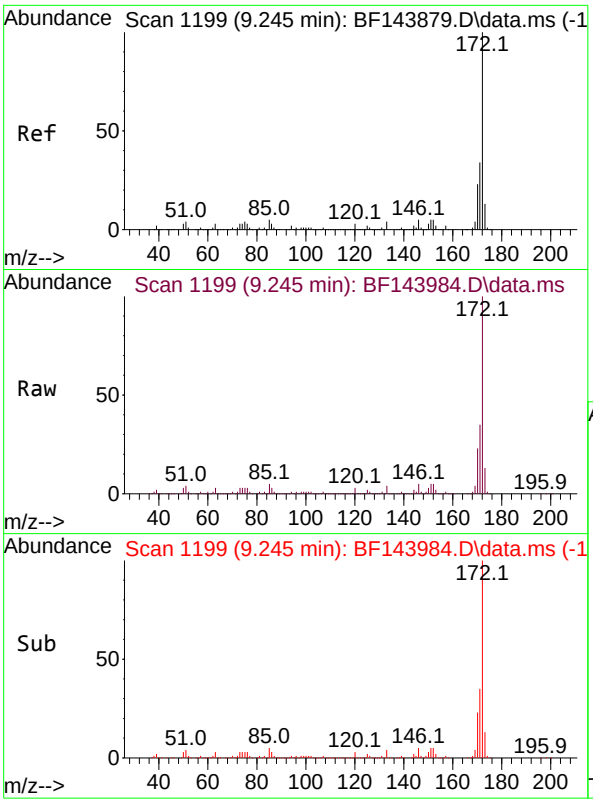


#44
2,4,5-Trichlorophenol
Concen: 41.058 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:196 Resp: 244412

Ion	Ratio	Lower	Upper
196	100		
198	93.7	75.5	113.3
97	41.2	33.9	50.9
132	25.2	20.0	30.0



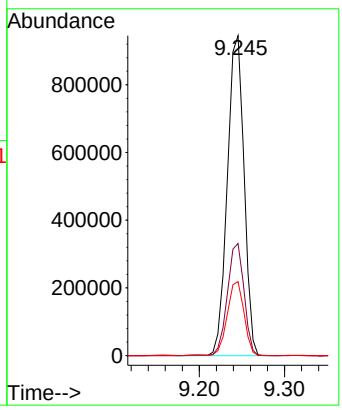


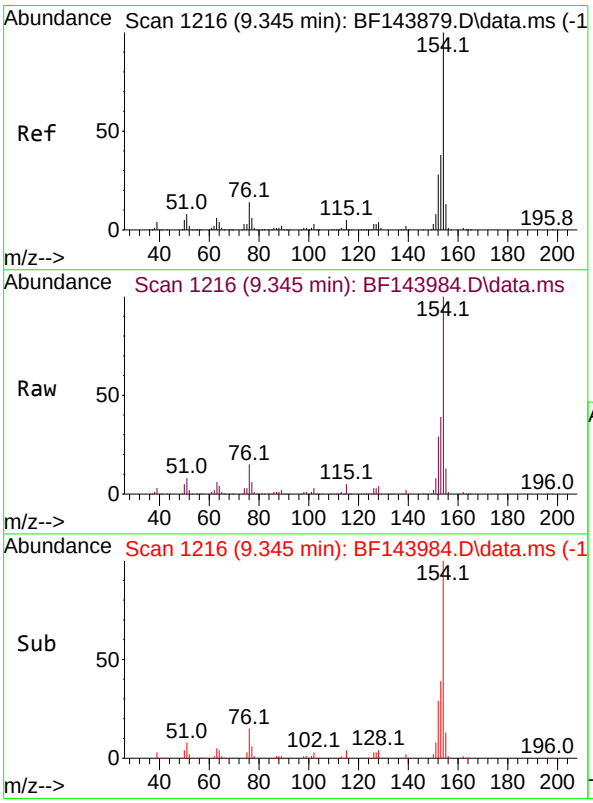
#45
2-Fluorobiphenyl
Concen: 73.197 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1286763

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.4	41.0
170	23.1	18.6	28.0

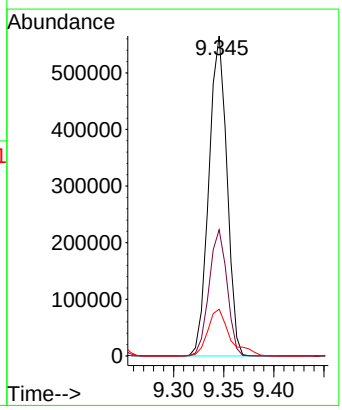


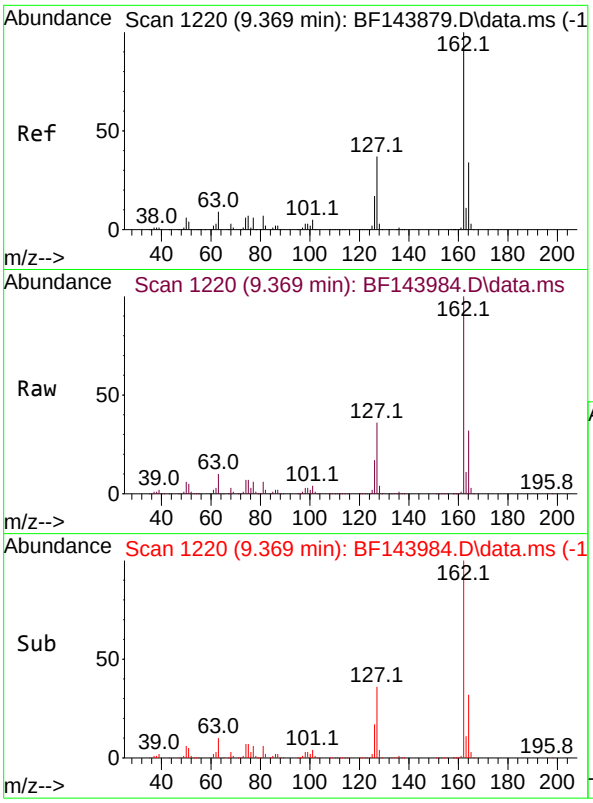


#46
1,1'-Biphenyl
Concen: 38.246 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:154 Resp: 706340

Ion	Ratio	Lower	Upper
154	100		
153	39.4	18.4	58.4
76	14.6	0.0	34.0



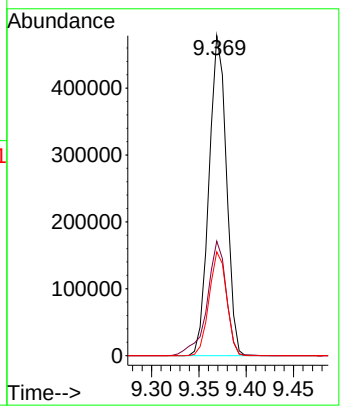


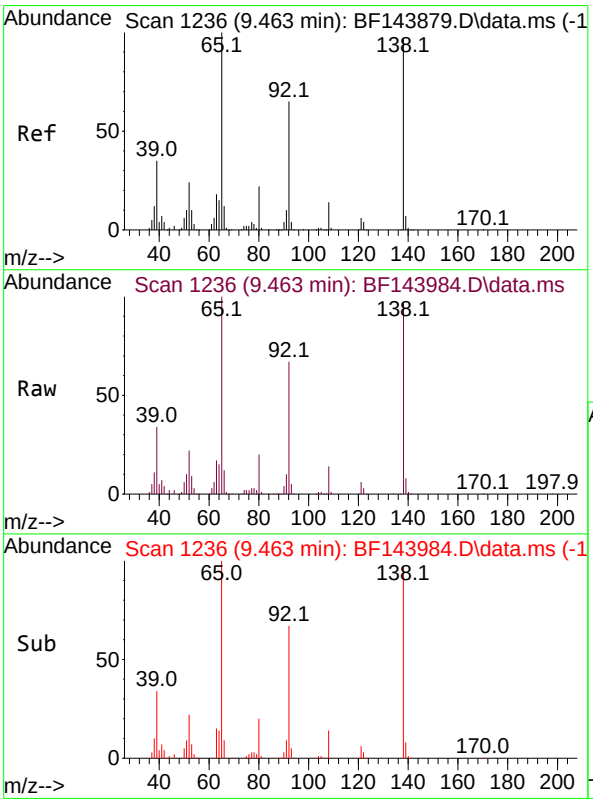
#47
2-Chloronaphthalene
Concen: 39.827 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 613272

Ion	Ratio	Lower	Upper
162	100		
127	35.8	30.2	45.2
164	32.4	26.9	40.3

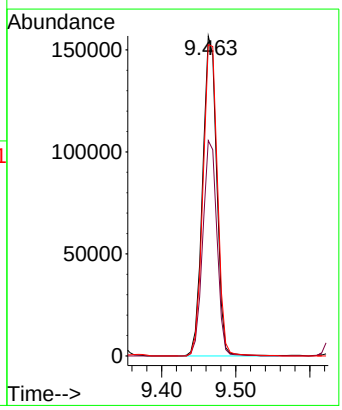


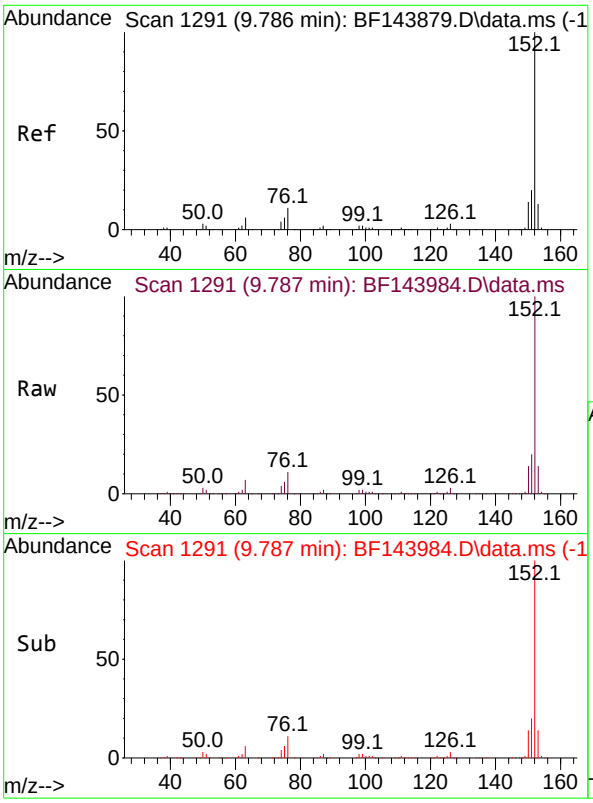


#48
2-Nitroaniline
Concen: 42.502 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion: 65 Resp: 206912

Ion	Ratio	Lower	Upper
65	100		
92	67.3	52.1	78.1
138	97.2	77.4	116.2



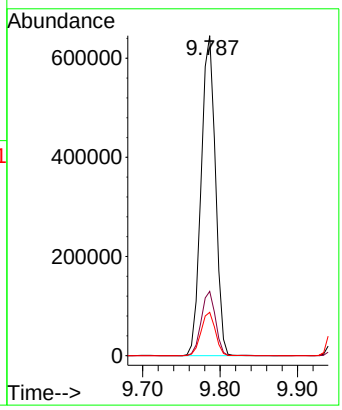


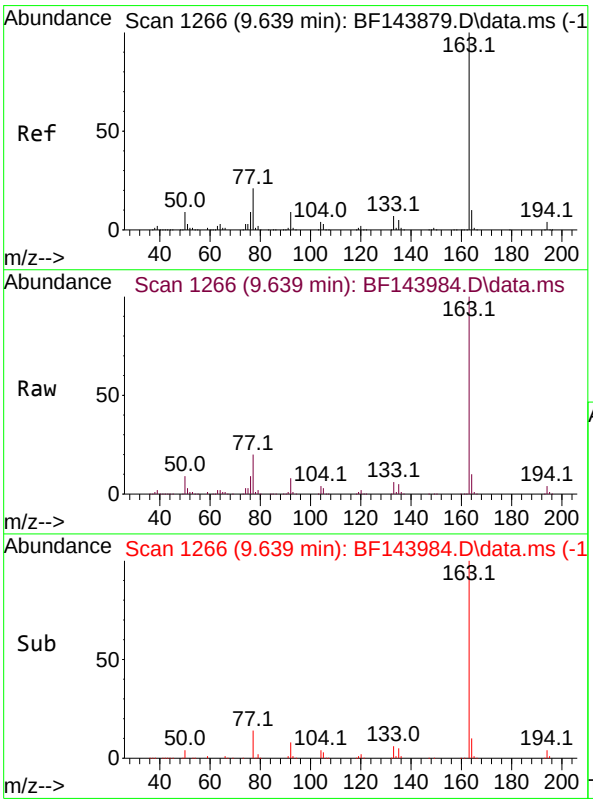
#49
Acenaphthylene
Concen: 38.094 ng
RT: 9.787 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 824641

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.6
153	13.5	10.5	15.7

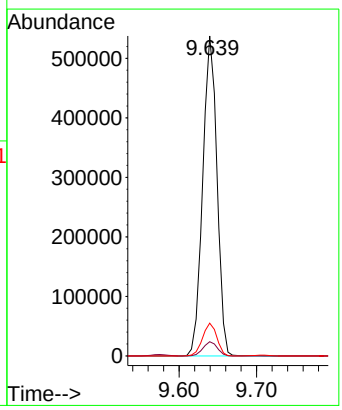


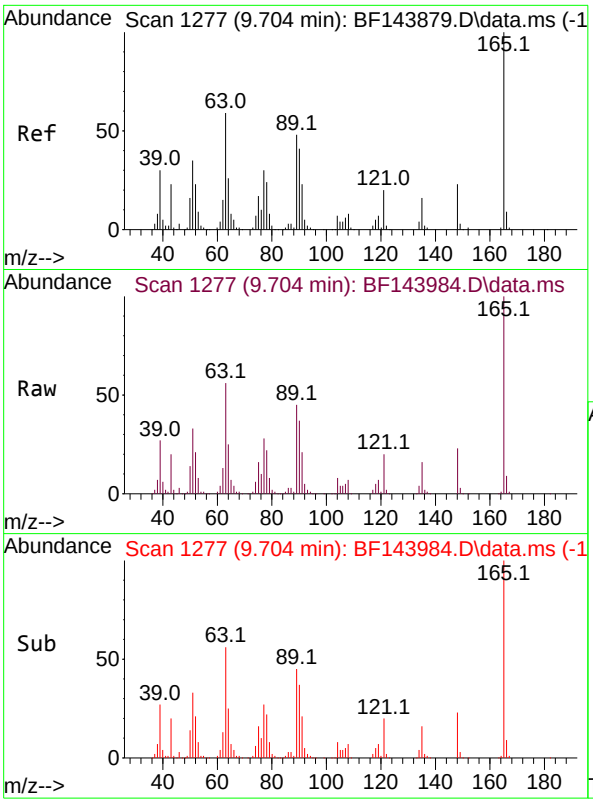


#50
Dimethylphthalate
Concen: 38.778 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:163 Resp: 686911

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.3	4.9
164	10.2	8.1	12.1



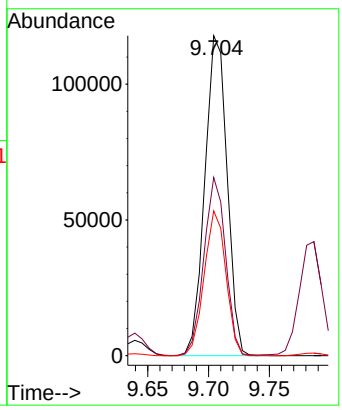


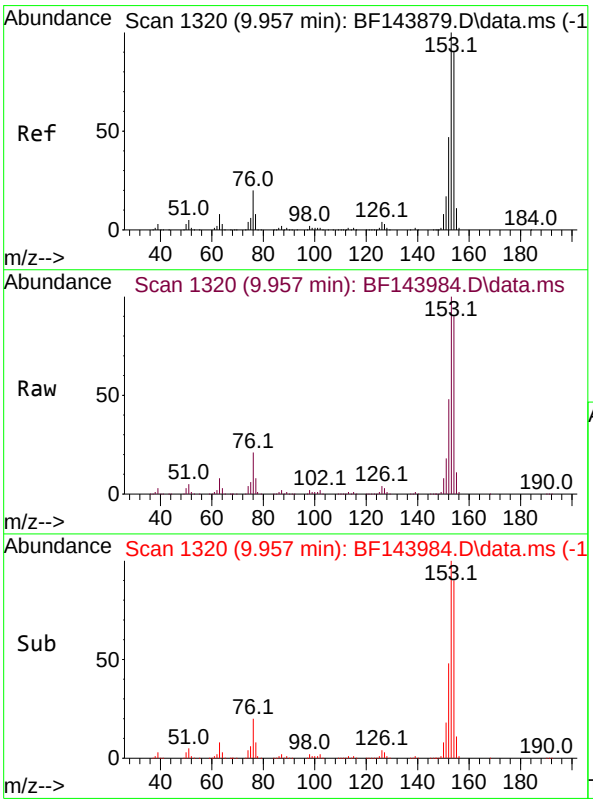
#51
2,6-Dinitrotoluene
Concen: 45.724 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 150191

Ion	Ratio	Lower	Upper
165	100		
63	55.7	47.3	70.9
89	45.2	38.2	57.4

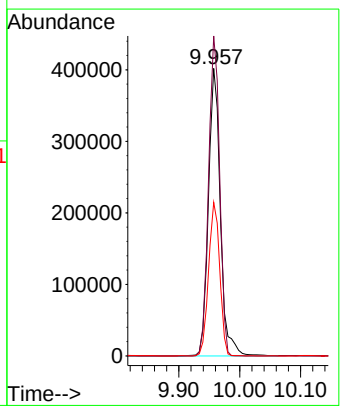


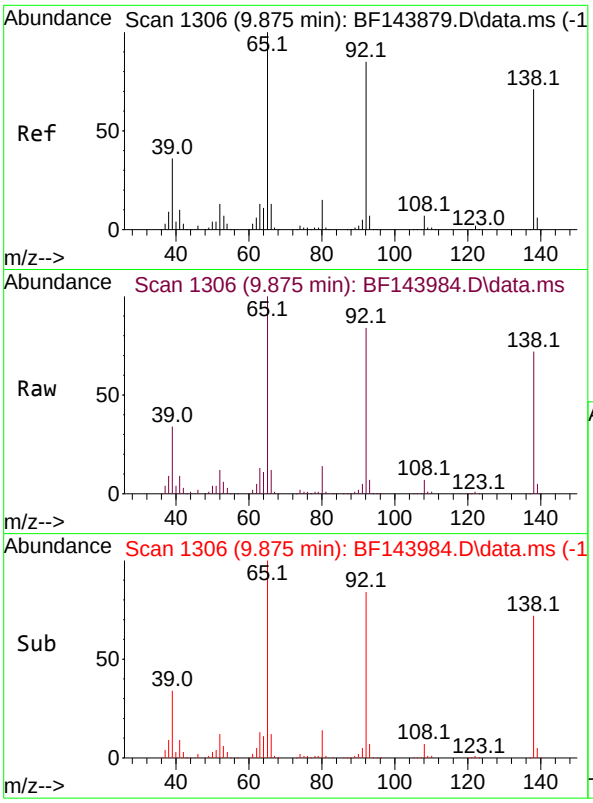


#52
Acenaphthene
Concen: 38.520 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:154 Resp: 546398

Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.3	133.9
152	53.4	42.2	63.2



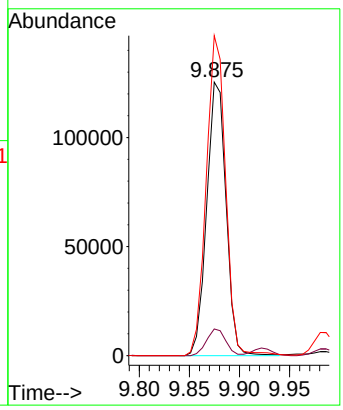


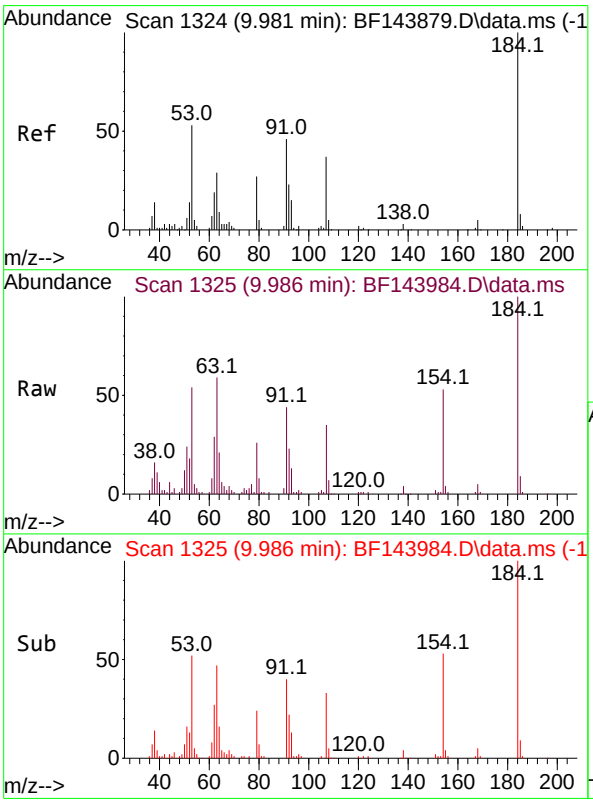
#53
3-Nitroaniline
Concen: 41.782 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 168048

Ion	Ratio	Lower	Upper
138	100		
108	9.8	8.3	12.5
92	117.0	96.2	144.2

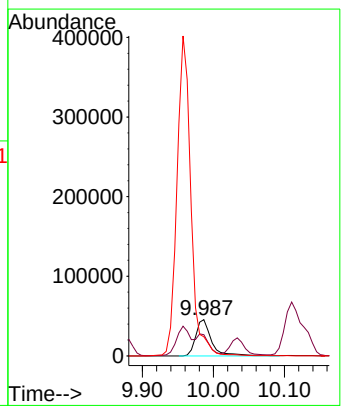


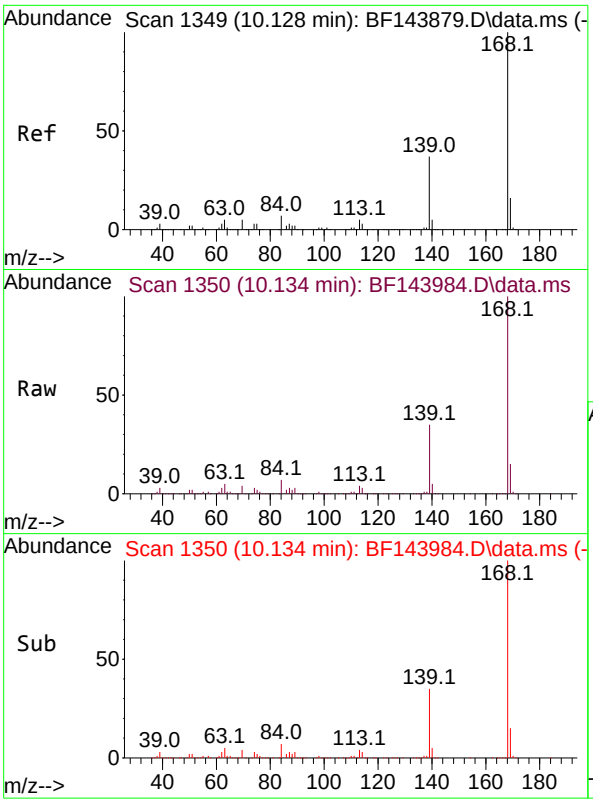


#54
2,4-Dinitrophenol
Concen: 38.380 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:184 Resp: 69751

Ion	Ratio	Lower	Upper
184	100		
63	58.6	48.2	72.4
154	52.7	49.2	73.8



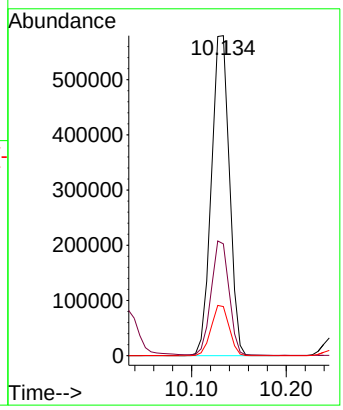


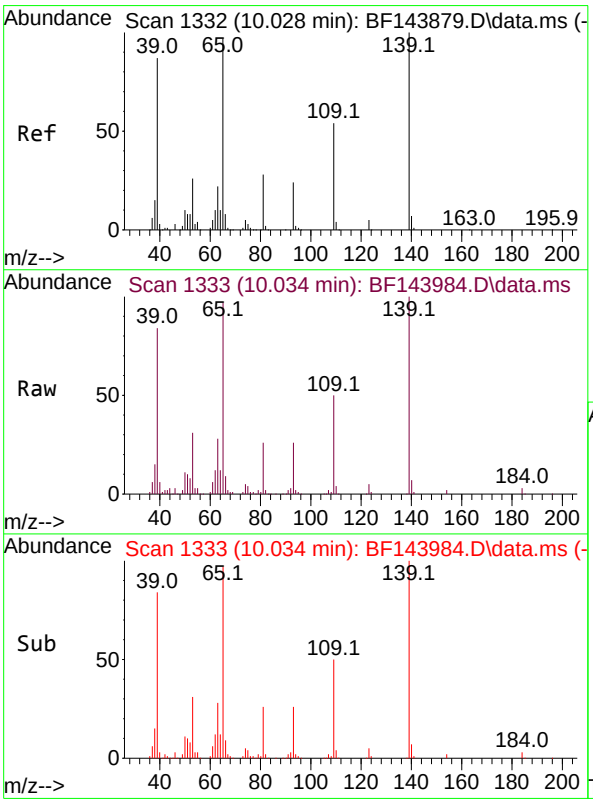
#55
Dibenzofuran
Concen: 38.374 ng
RT: 10.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 768388

Ion	Ratio	Lower	Upper
168	100		
139	34.9	29.8	44.8
169	15.3	12.8	19.2

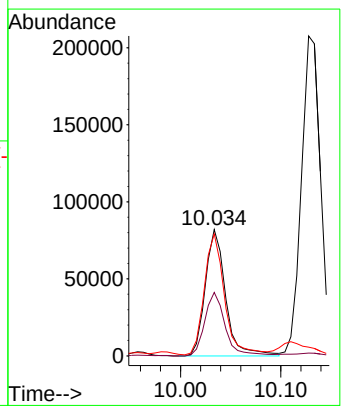


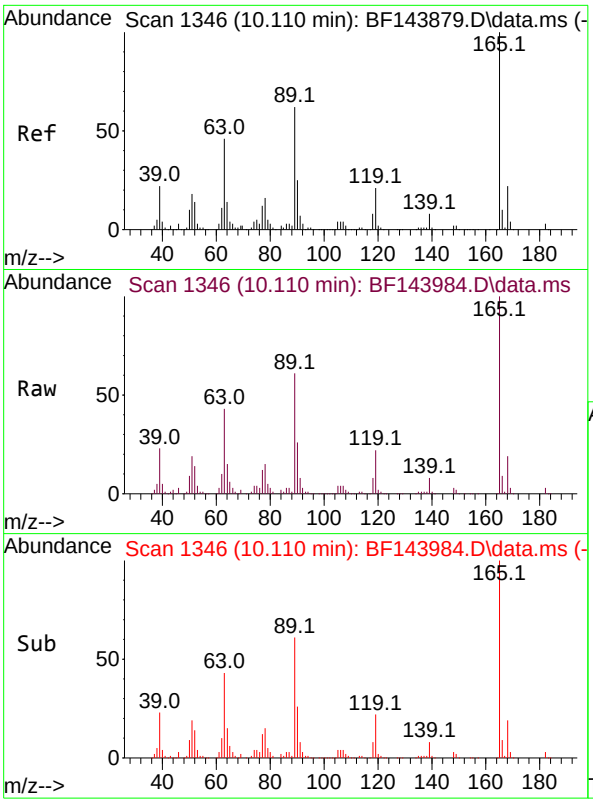


#56
4-Nitrophenol
Concen: 38.015 ng
RT: 10.034 min Scan# 1333
Delta R.T. -0.005 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:139 Resp: 115766

Ion	Ratio	Lower	Upper
139	100		
109	50.3	34.5	74.5
65	96.7	77.6	117.6



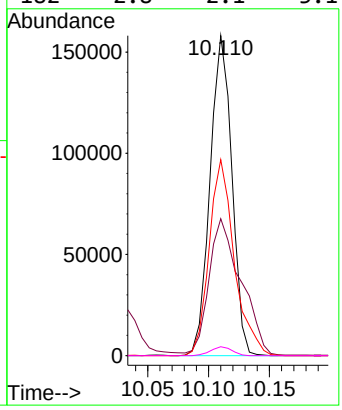


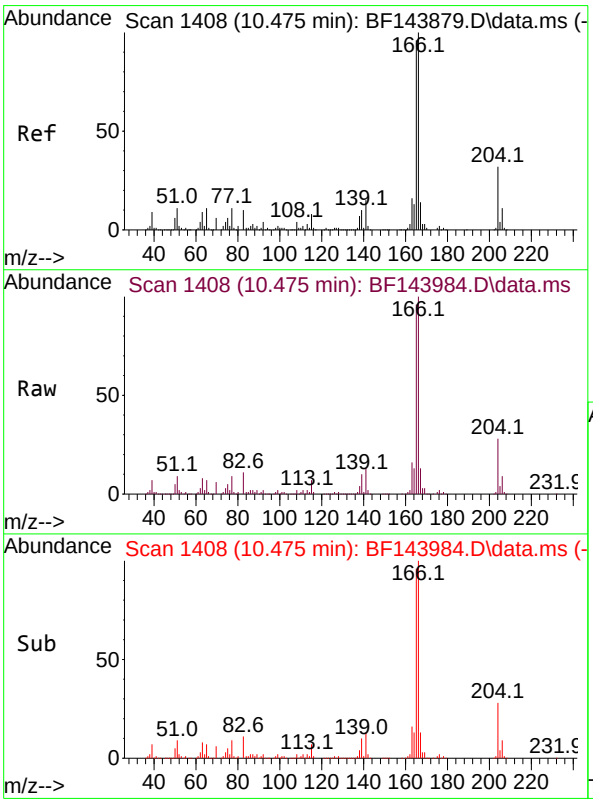
#57
2,4-Dinitrotoluene
Concen: 44.073 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 196974

Ion	Ratio	Lower	Upper
165	100		
63	42.8	37.2	55.8
89	61.2	49.4	74.2
182	2.8	2.1	3.1

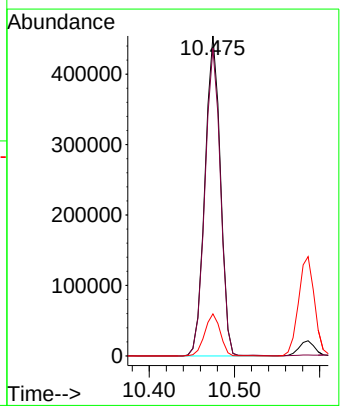


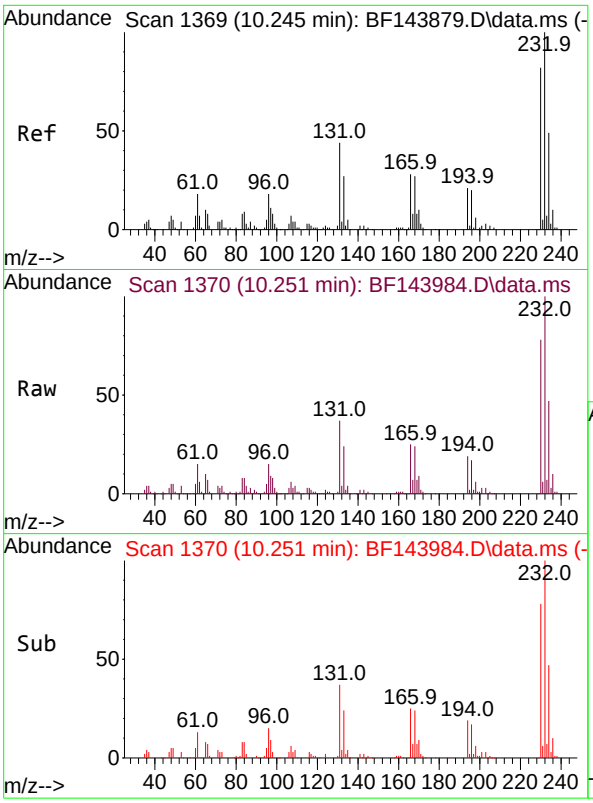


#58
Fluorene
Concen: 37.860 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:166 Resp: 572032

Ion	Ratio	Lower	Upper
166	100		
165	96.1	77.0	115.6
167	13.1	11.1	16.7



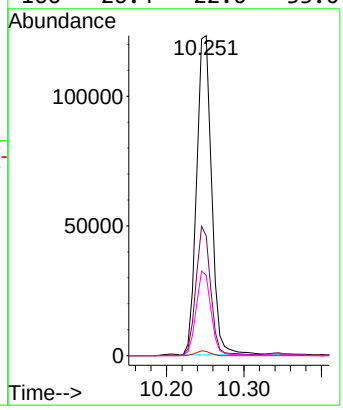


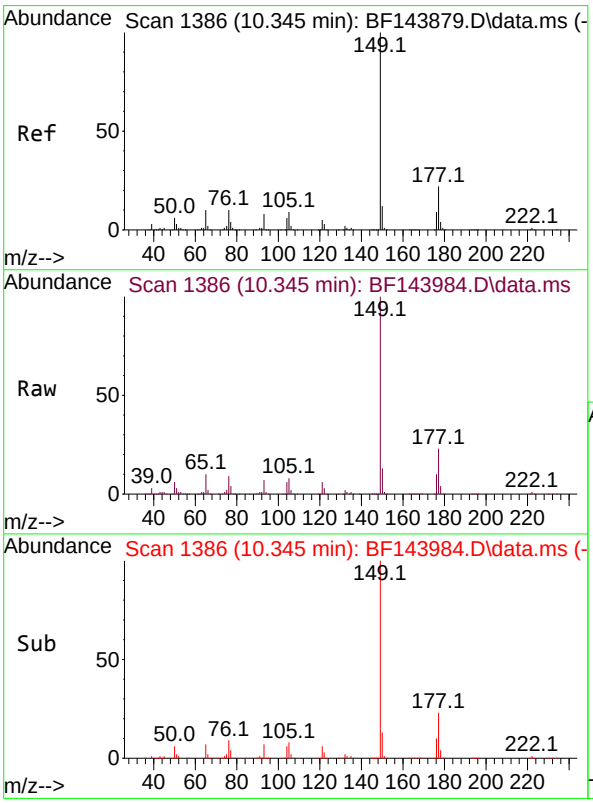
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.380 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 165942

Ion	Ratio	Lower	Upper
232	100		
131	40.1	34.9	52.3
130	1.4	1.6	2.4#
166	26.4	22.0	33.0

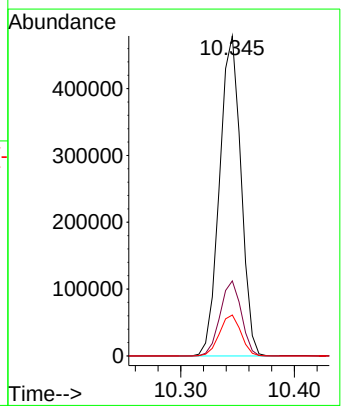


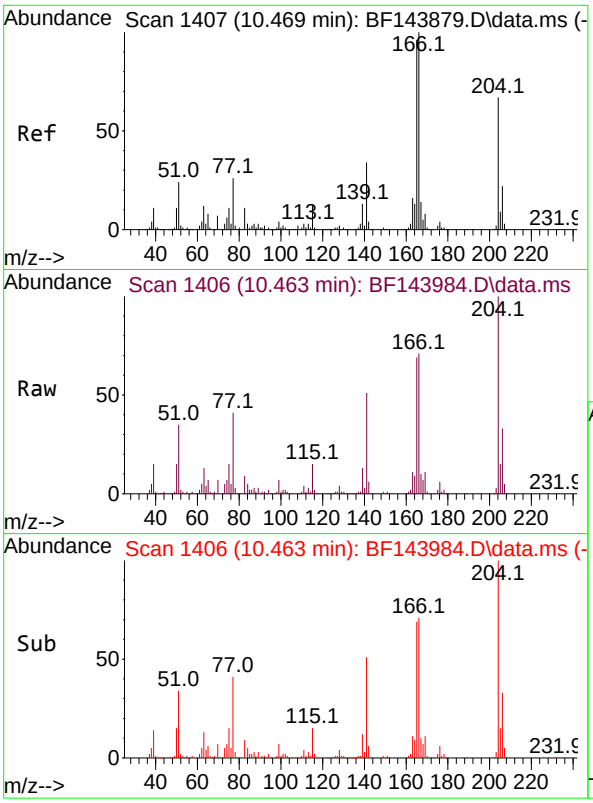


#60
Diethylphthalate
Concen: 38.019 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:149 Resp: 625668

Ion	Ratio	Lower	Upper
149	100		
177	23.4	17.9	26.9
150	12.8	9.8	14.8



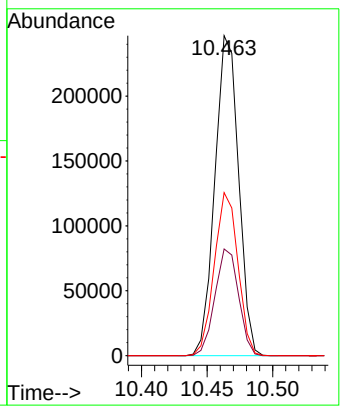


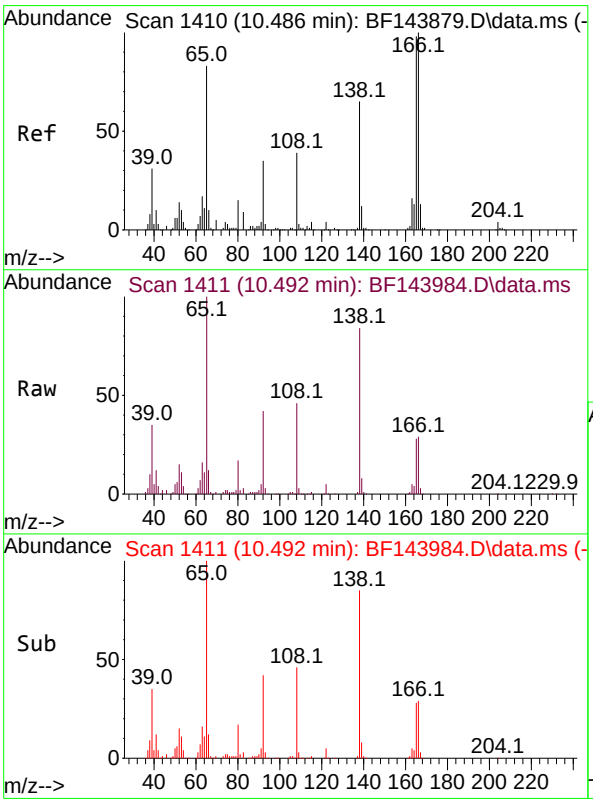
#61
4-Chlorophenyl-phenylether
Concen: 38.926 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 310943

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.6	40.0
141	50.9	40.4	60.6

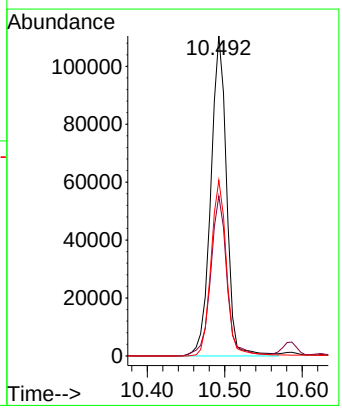


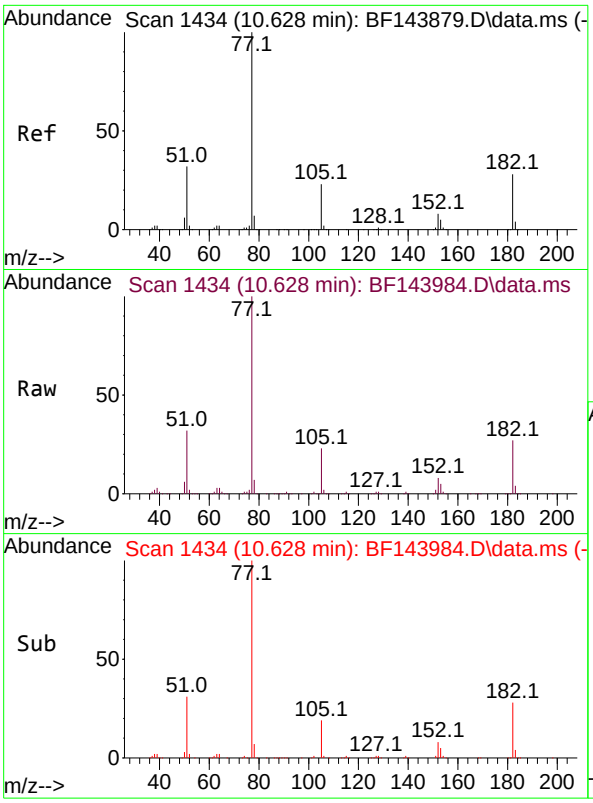


#62
4-Nitroaniline
Concen: 40.536 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.017 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:138 Resp: 156780

Ion	Ratio	Lower	Upper
138	100		
92	50.0	33.9	73.9
108	54.9	40.2	80.2



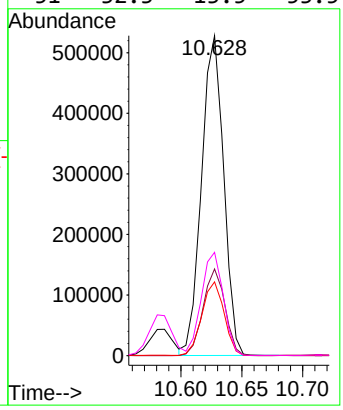


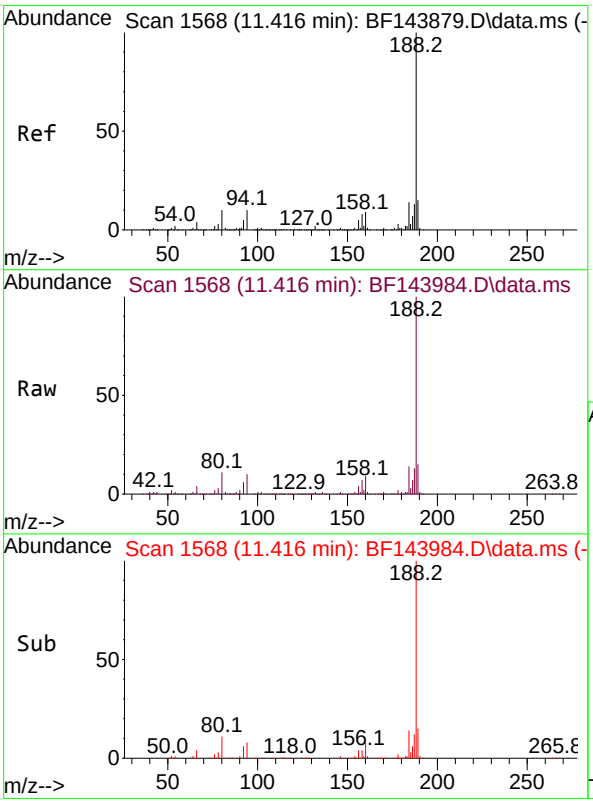
#63
Azobenzene
Concen: 38.820 ng
RT: 10.628 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 667677

Ion	Ratio	Lower	Upper
77	100		
182	27.1	7.3	47.3
105	23.0	3.0	43.0
51	32.3	13.5	53.5

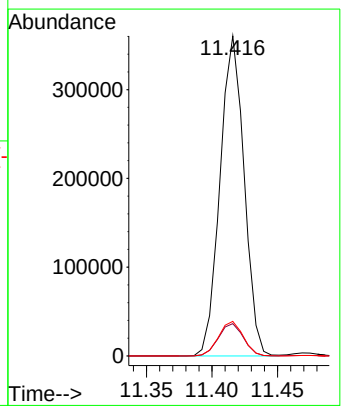


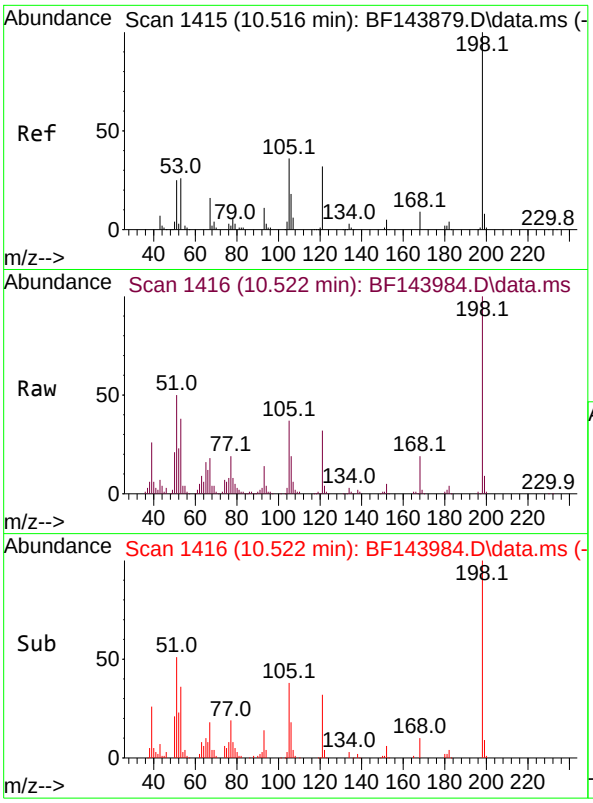


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:188 Resp: 461614

Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.8	11.6
80	10.8	7.9	11.9



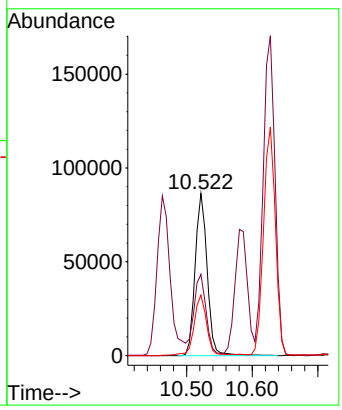


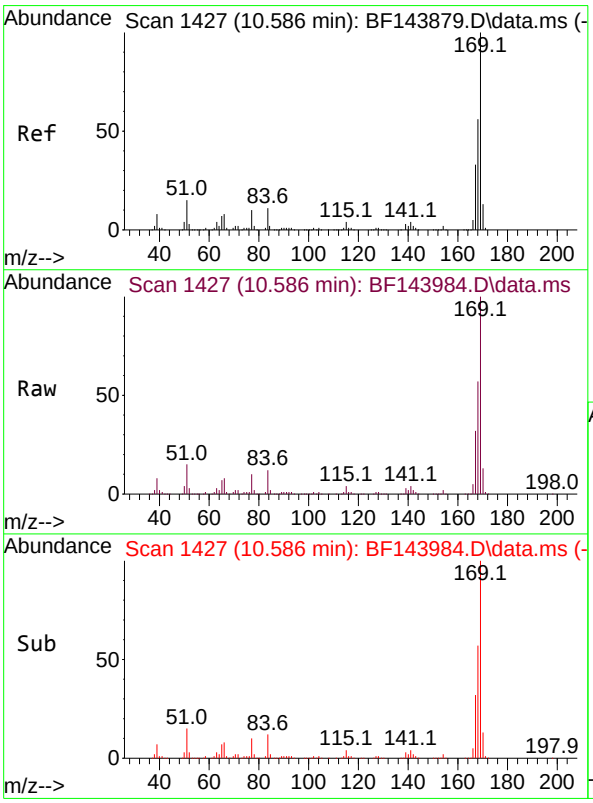
#65
4,6-Dinitro-2-methylphenol
Concen: 47.480 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 110141

Ion	Ratio	Lower	Upper
198	100		
51	50.1	33.8	73.8
105	37.2	17.0	57.0

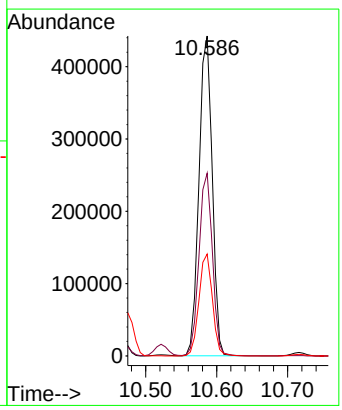


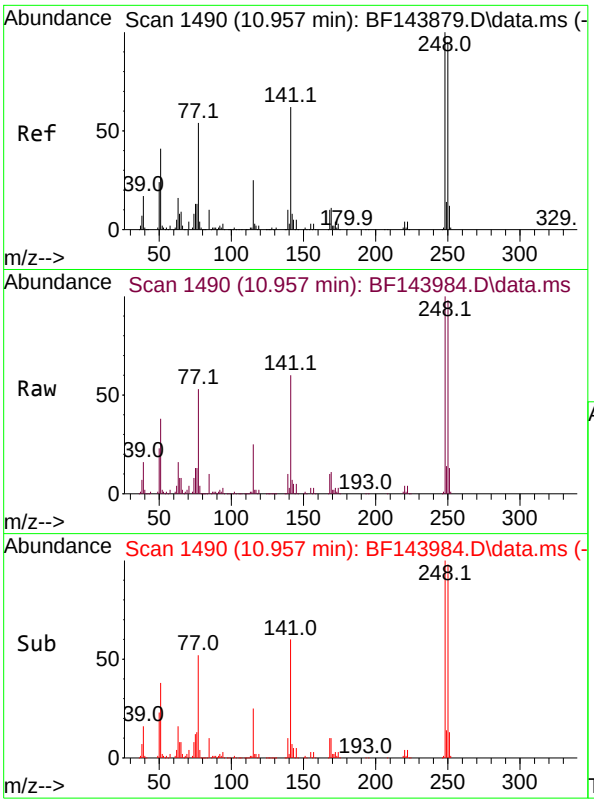


#66
n-Nitrosodiphenylamine
Concen: 39.233 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:169 Resp: 568648

Ion	Ratio	Lower	Upper
169	100		
168	57.1	44.9	67.3
167	31.9	26.3	39.5



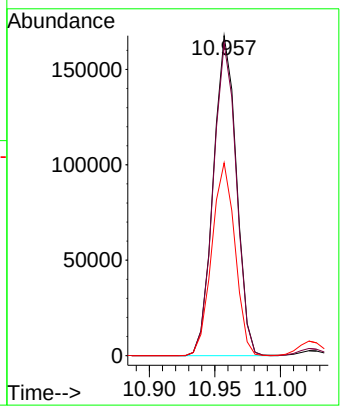


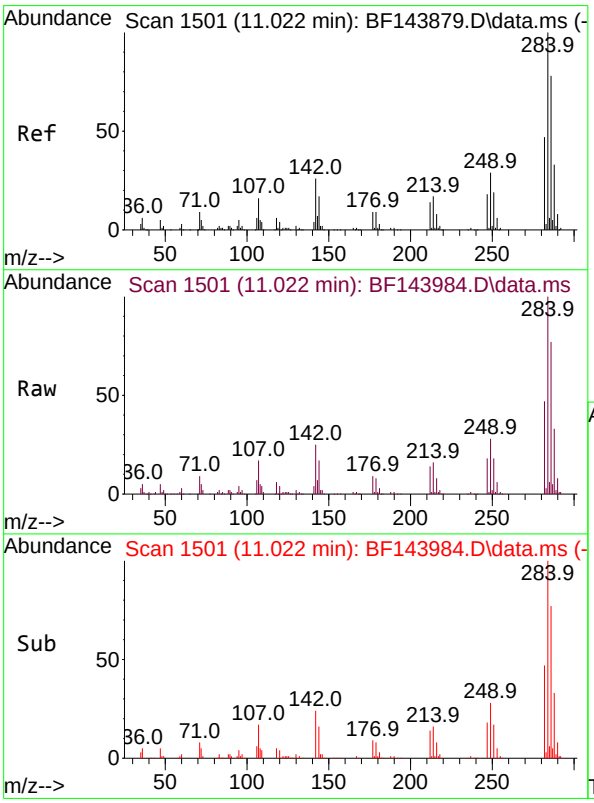
#67
4-Bromophenyl-phenylether
Concen: 40.366 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 205930

Ion	Ratio	Lower	Upper
248	100		
250	97.5	76.3	114.5
141	60.2	49.7	74.5

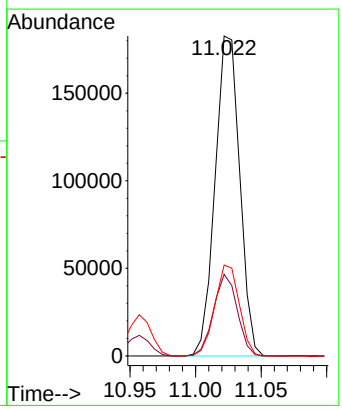


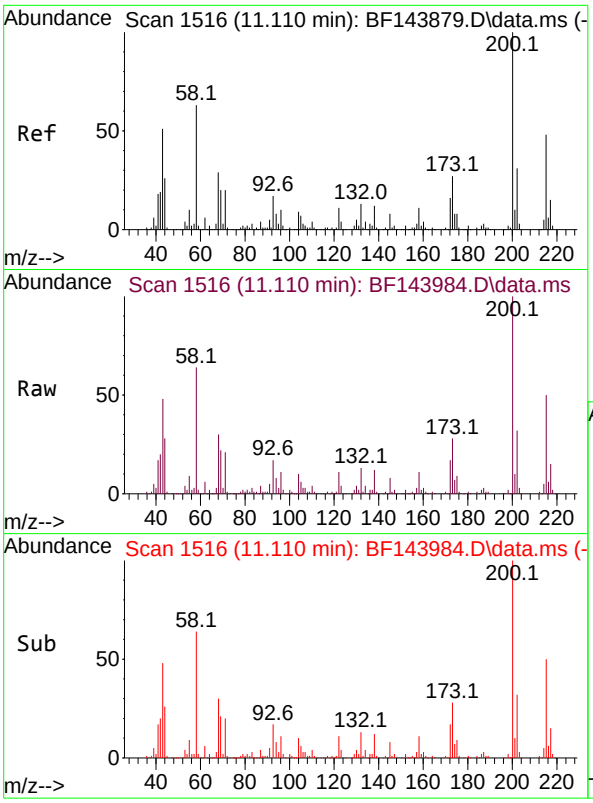


#68
Hexachlorobenzene
Concen: 40.500 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:284 Resp: 239195

Ion	Ratio	Lower	Upper
284	100		
142	25.5	20.6	30.8
249	28.4	23.2	34.8



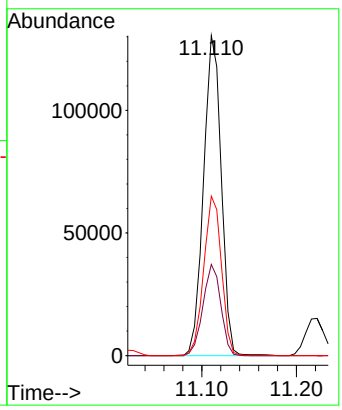


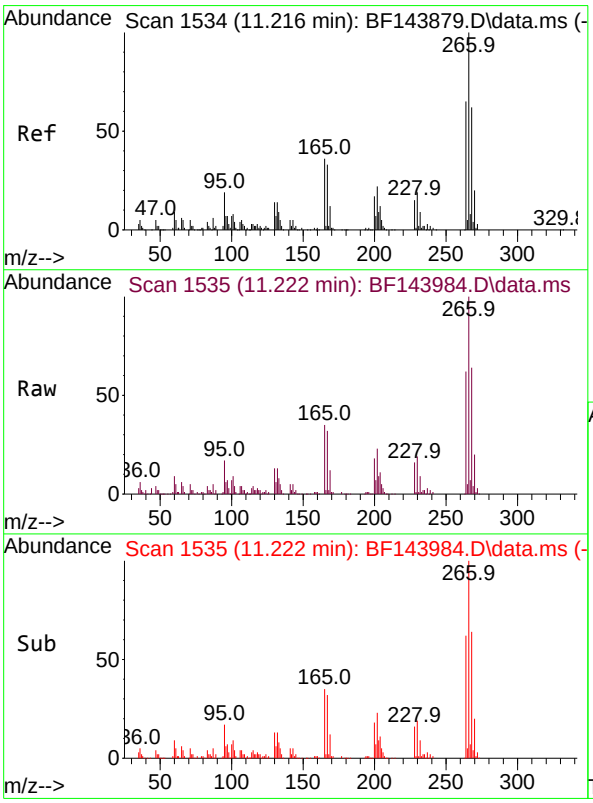
#69
Atrazine
Concen: 38.641 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 169754

Ion	Ratio	Lower	Upper
200	100		
173	28.5	7.0	47.0
215	49.8	27.8	67.8

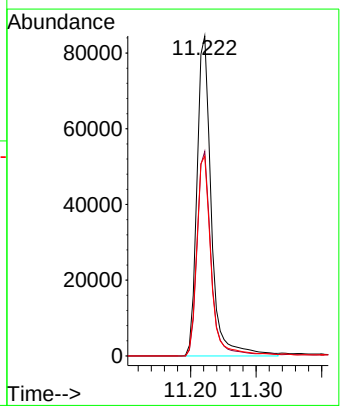


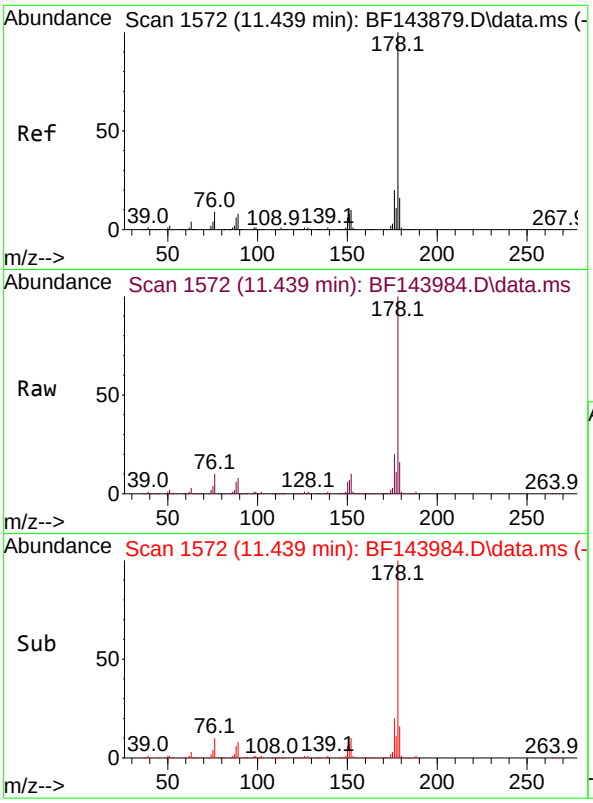


#70
Pentachlorophenol
Concen: 37.622 ng
RT: 11.222 min Scan# 1535
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:266 Resp: 127614

Ion	Ratio	Lower	Upper
266	100		
268	63.9	49.4	74.0
264	62.4	51.8	77.6



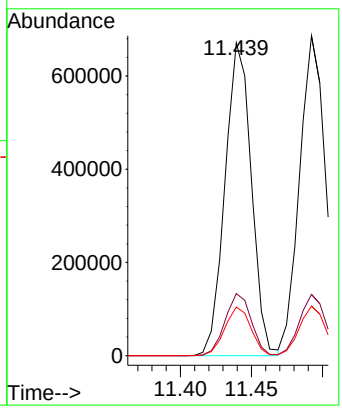


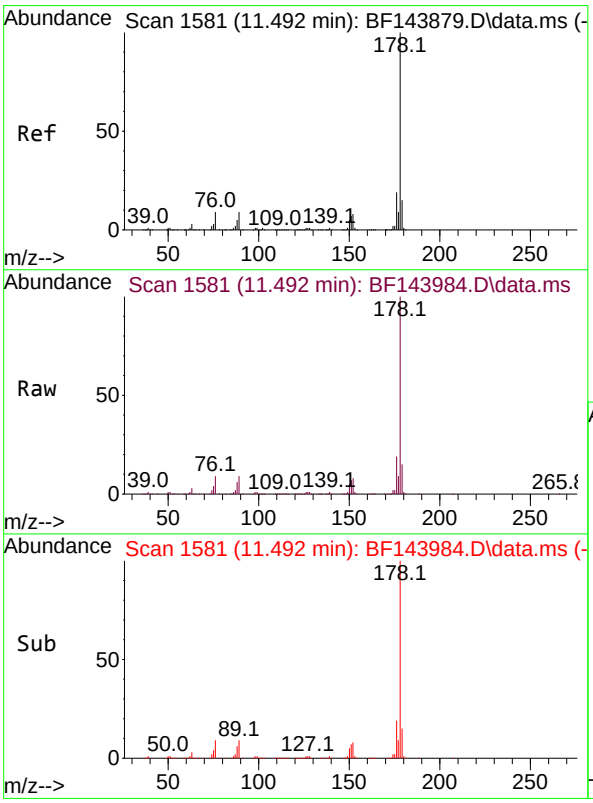
#71
Phenanthrene
Concen: 38.651 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 864978

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	15.5	12.4	18.6

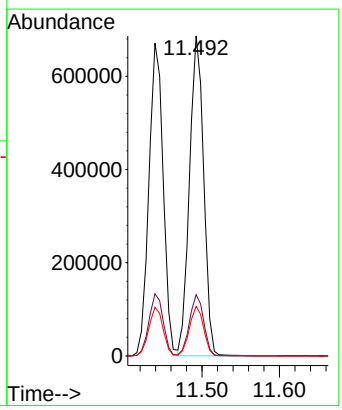


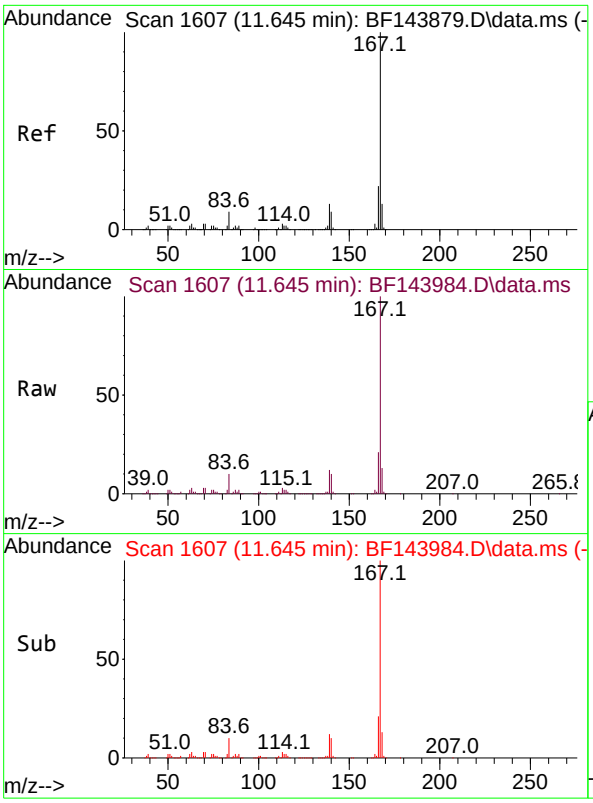


#72
Anthracene
Concen: 38.599 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:178 Resp: 872658

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.9	22.3
179	15.5	12.2	18.2



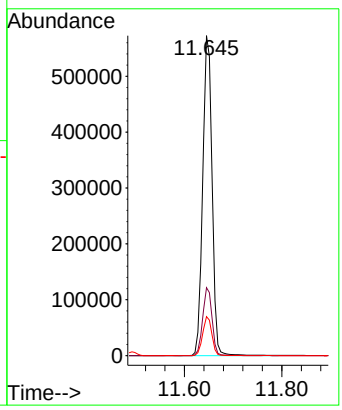


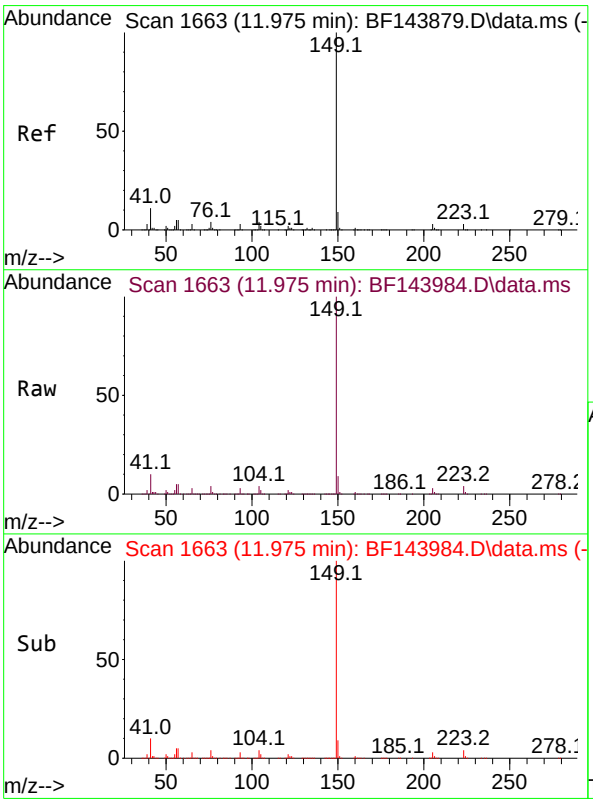
#73
Carbazole
Concen: 38.072 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 762337

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	12.2	10.1	15.1

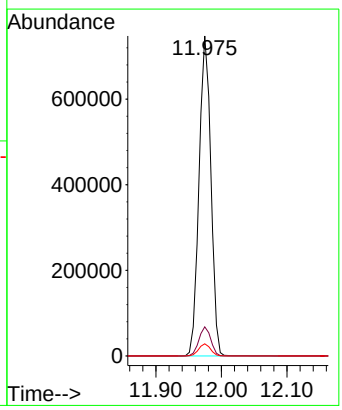


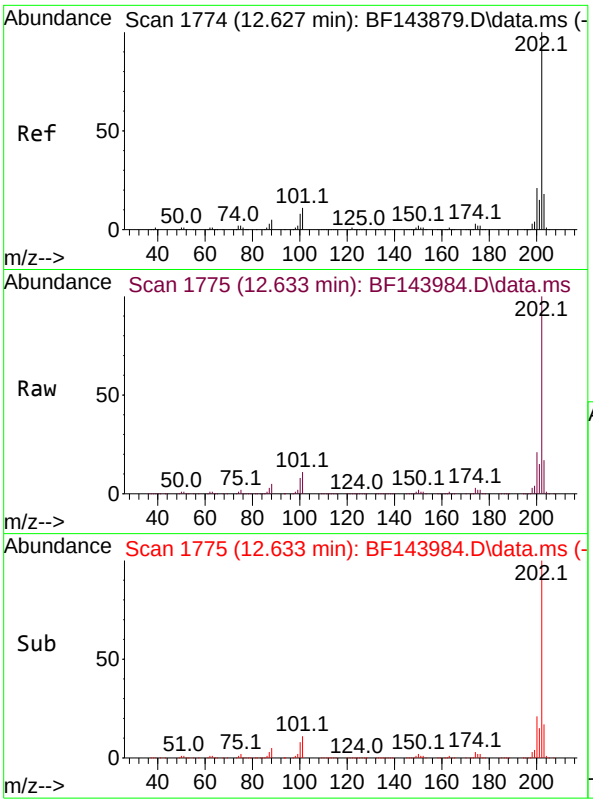


#74
Di-n-butylphthalate
Concen: 40.081 ng
RT: 11.975 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:149 Resp: 930145

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	3.8	3.4	5.2



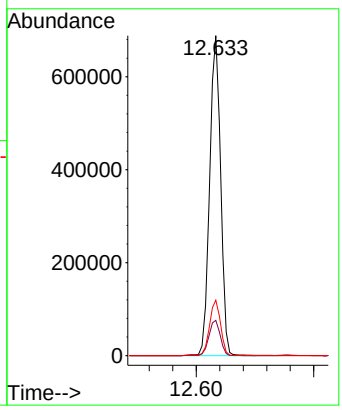


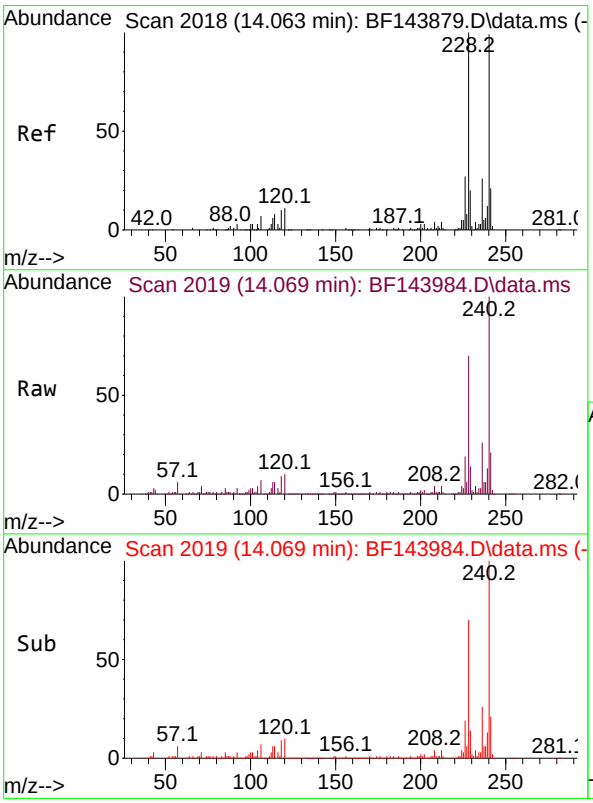
#75
Fluoranthene
Concen: 38.579 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 891783

Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	30.7
203	17.3	0.0	37.8

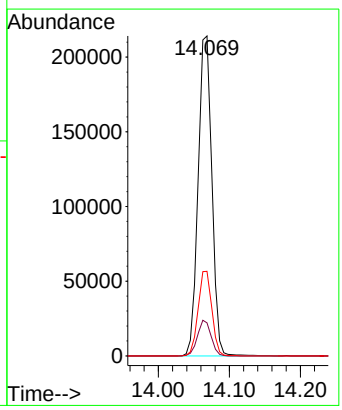


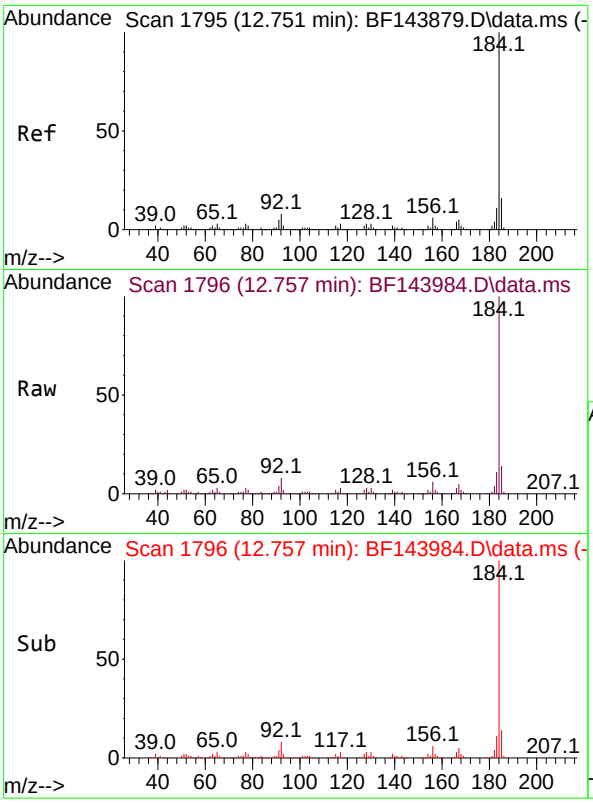


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.001 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:240 Resp: 286617

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.6	13.0
236	26.4	21.1	31.7



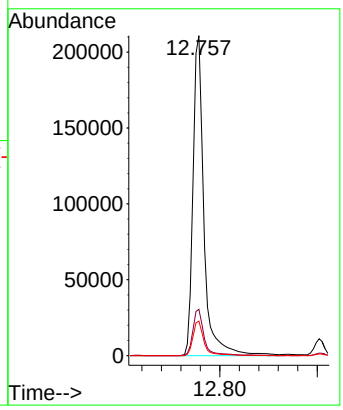


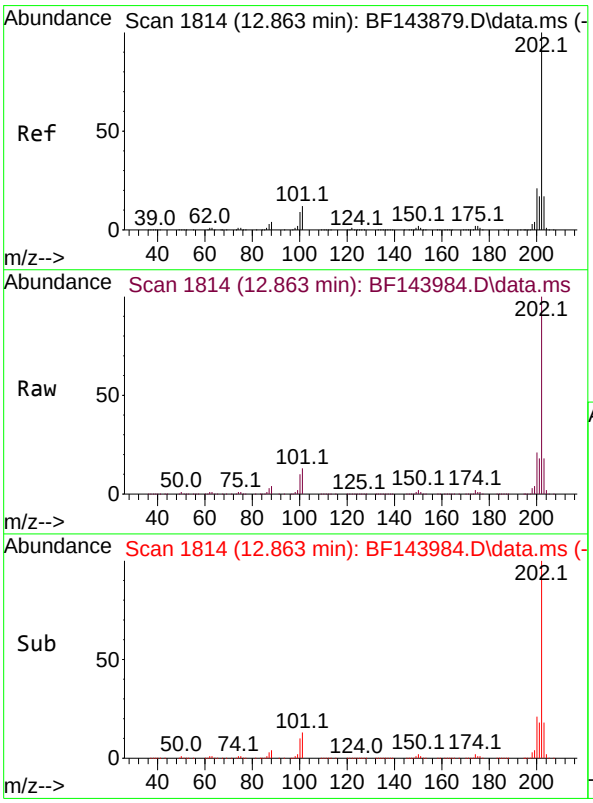
#77
Benzidine
Concen: 33.035 ng
RT: 12.757 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 328763

Ion	Ratio	Lower	Upper
184	100		
185	14.5	12.6	18.8
183	10.8	8.8	13.2

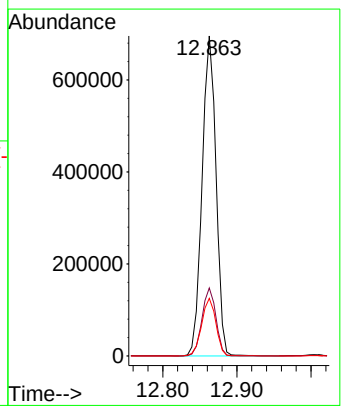


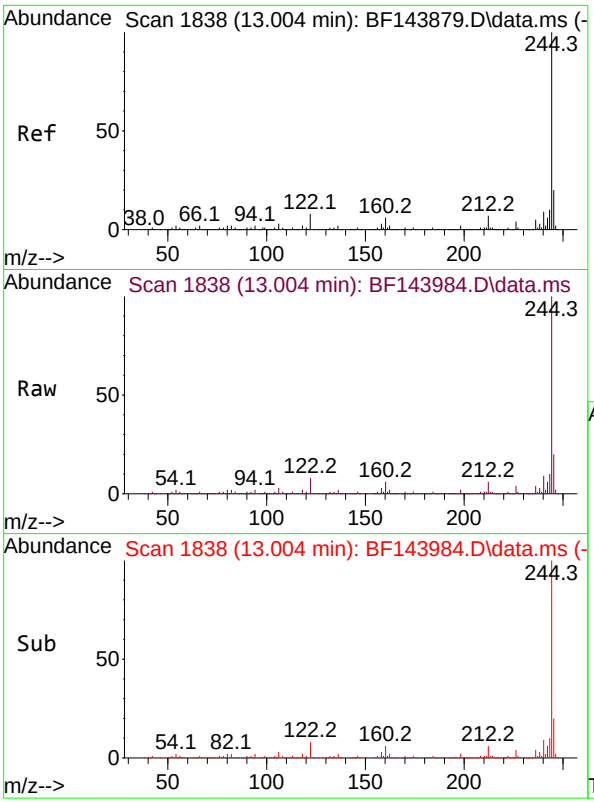


#78
Pyrene
Concen: 38.018 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:202 Resp: 908439

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.6
203	18.0	13.8	20.6



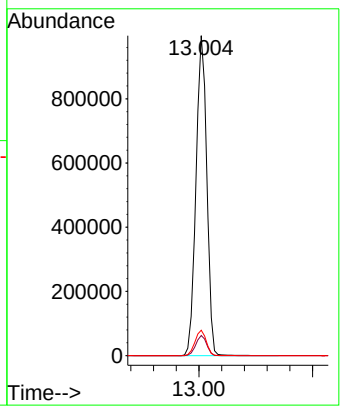


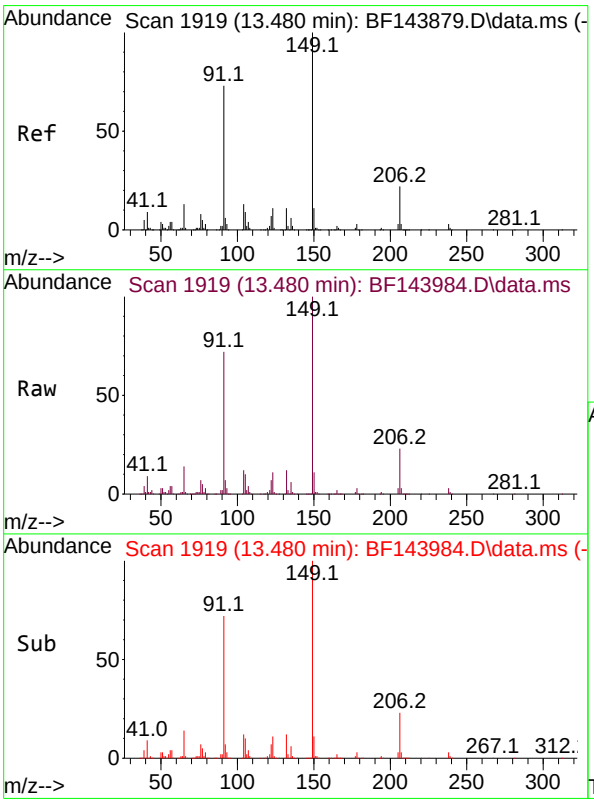
#79
Terphenyl-d14
Concen: 78.038 ng
RT: 13.004 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1308721

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	7.9	6.4	9.6

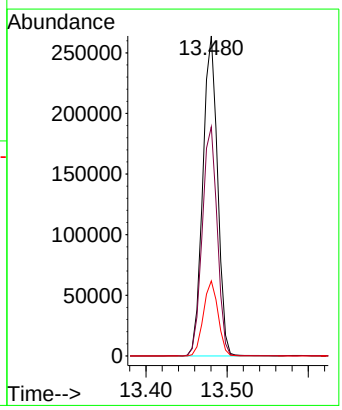


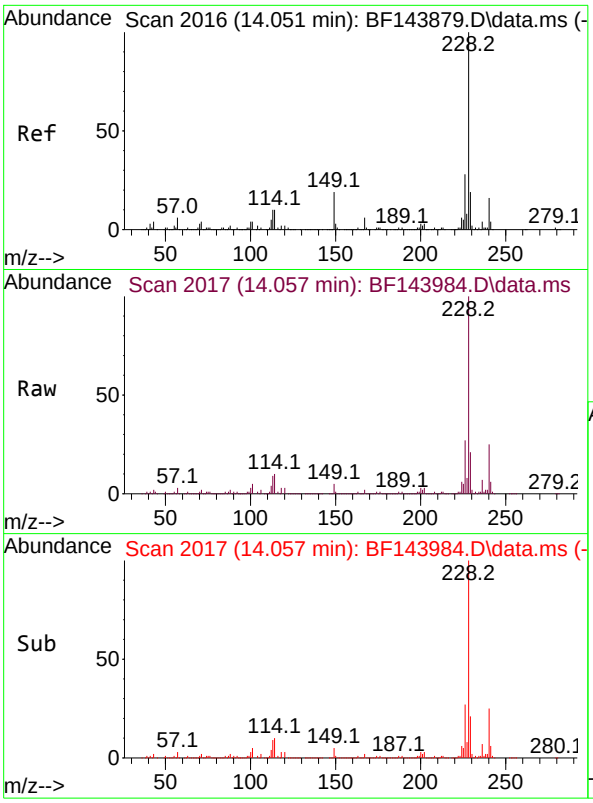


#80
Butylbenzylphthalate
Concen: 43.034 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:149 Resp: 333959

Ion	Ratio	Lower	Upper
149	100		
91	71.6	58.2	87.2
206	23.4	17.9	26.9



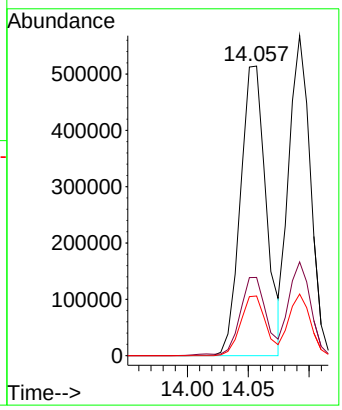


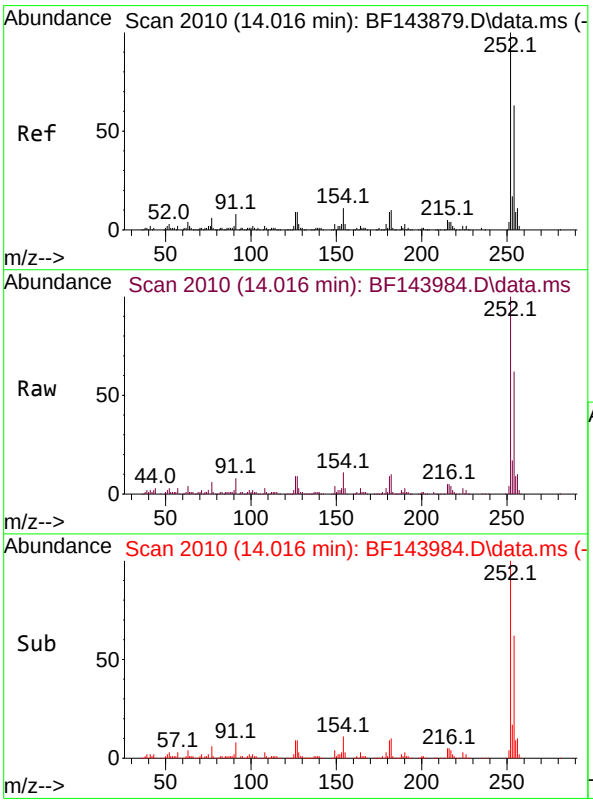
#81
Benzo(a)anthracene
Concen: 40.339 ng
RT: 14.057 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 756604

Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.2	33.2
229	20.6	15.6	23.4

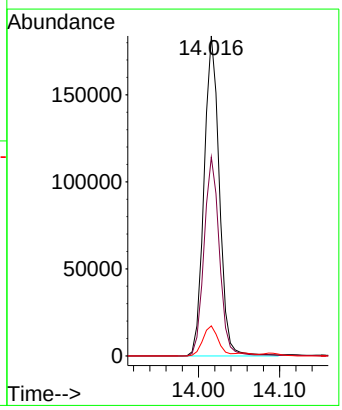


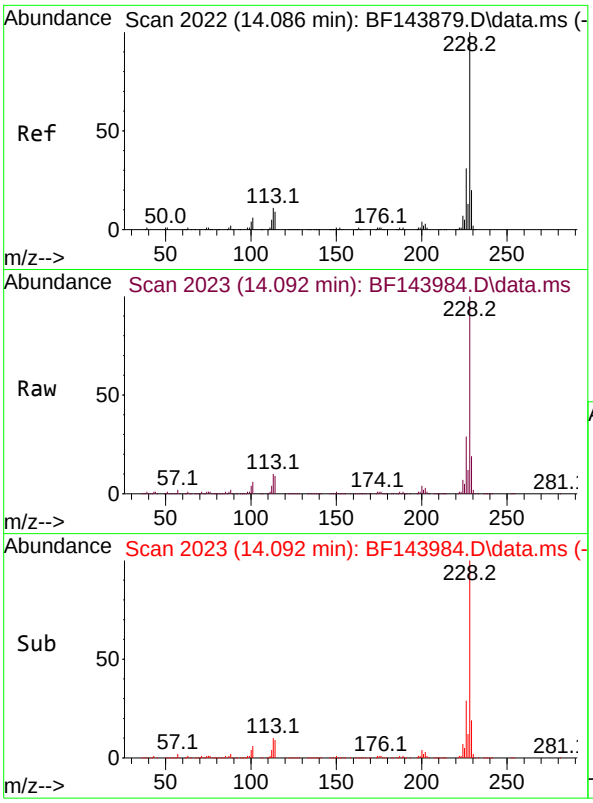


#82
3,3'-Dichlorobenzidine
Concen: 42.150 ng
RT: 14.016 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:252 Resp: 240929

Ion	Ratio	Lower	Upper
252	100		
254	62.1	50.6	76.0
126	9.4	7.0	10.6



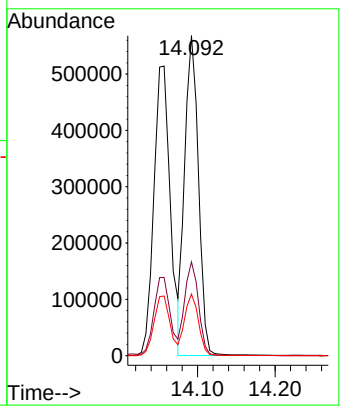


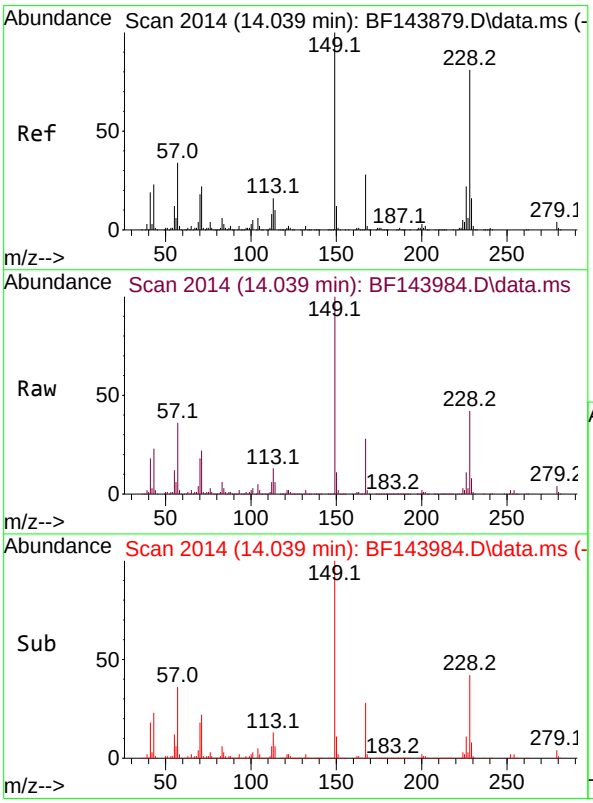
#83
Chrysene
Concen: 40.402 ng
RT: 14.092 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 701361

Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.4	36.6
229	19.2	15.9	23.9

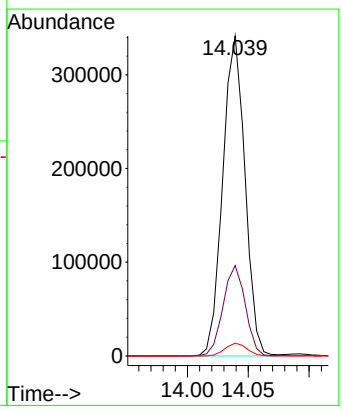


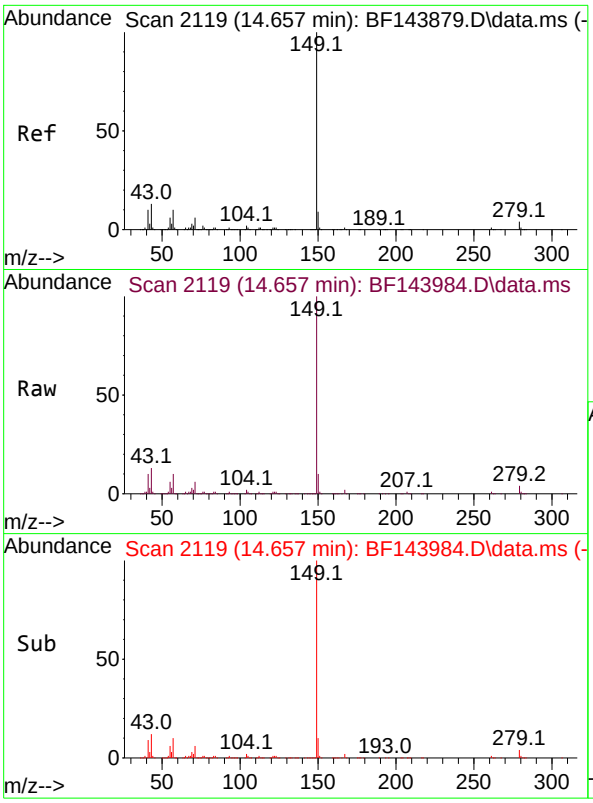


#84
Bis(2-ethylhexyl)phthalate
Concen: 46.371 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:149 Resp: 433781

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.2	33.4
279	4.0	3.1	4.7



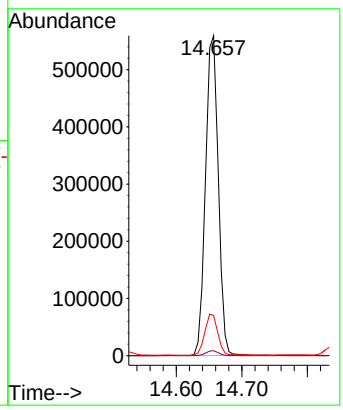


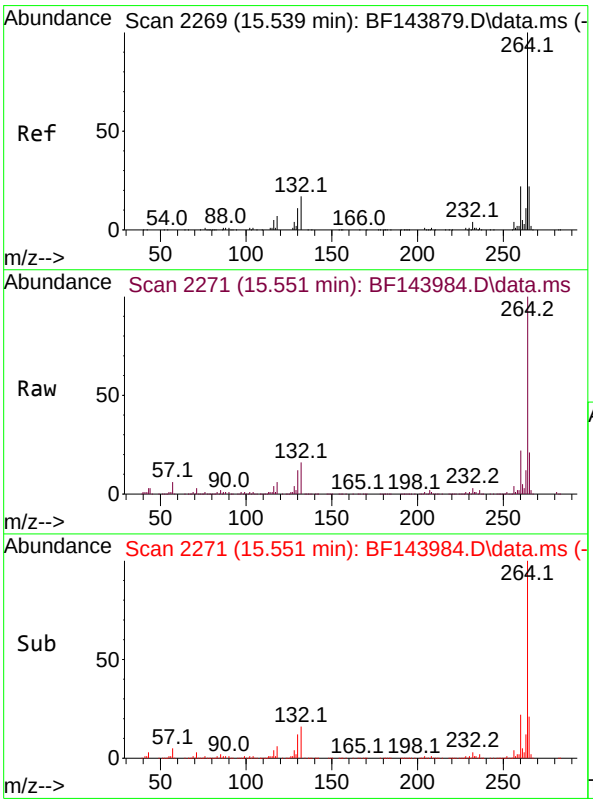
#85
Di-n-octyl phthalate
Concen: 49.093 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 754279

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	13.1	11.0	16.4

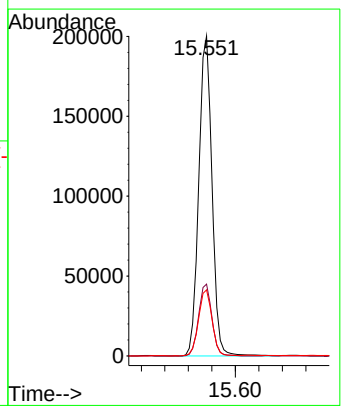


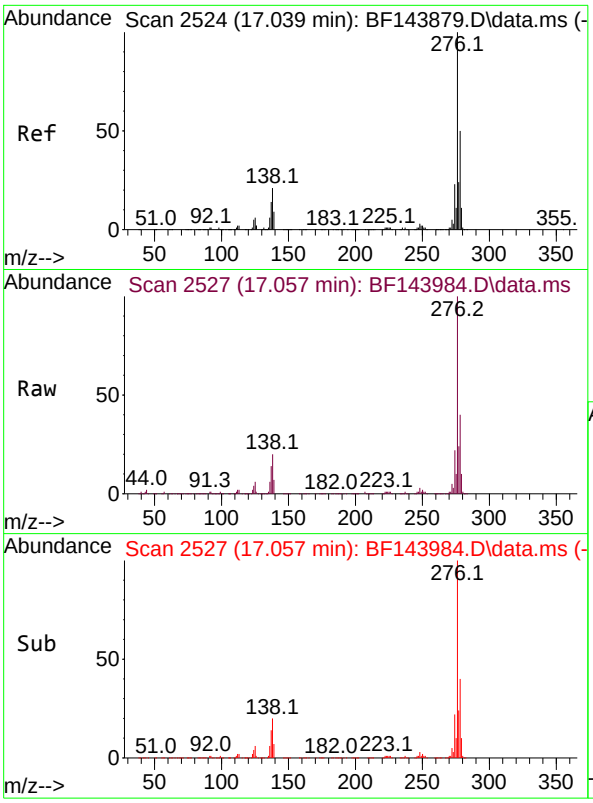


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:264 Resp: 311878

Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.8	26.8
265	20.6	17.5	26.3



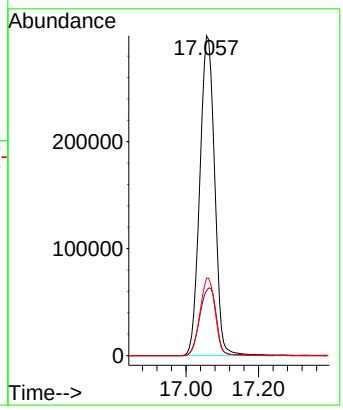


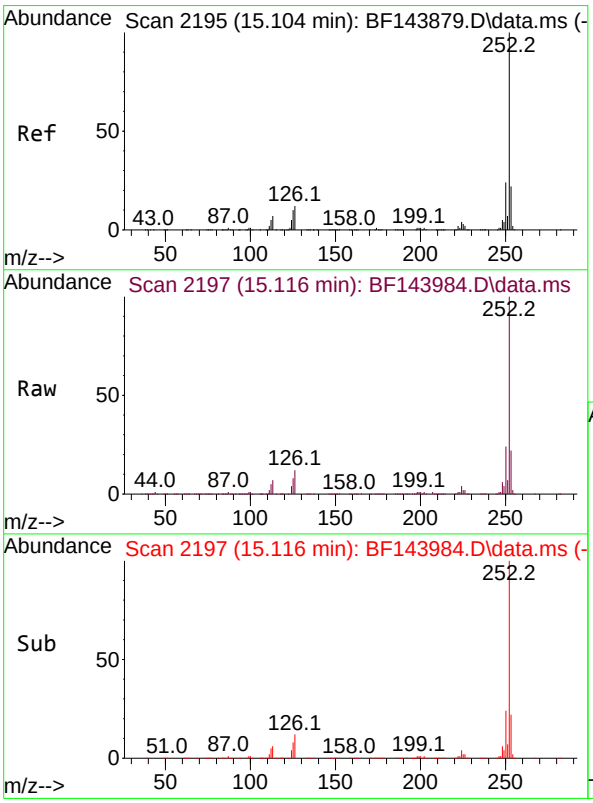
#87
Indeno(1,2,3-cd)pyrene
Concen: 44.469 ng
RT: 17.057 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 849811

Ion	Ratio	Lower	Upper
276	100		
138	23.4	18.2	27.2
277	24.9	19.8	29.6

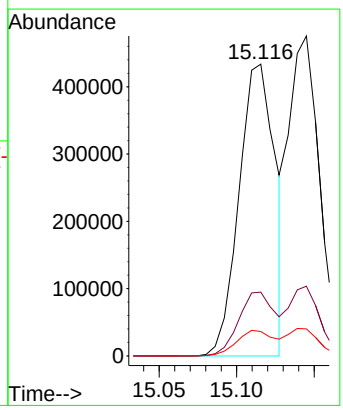


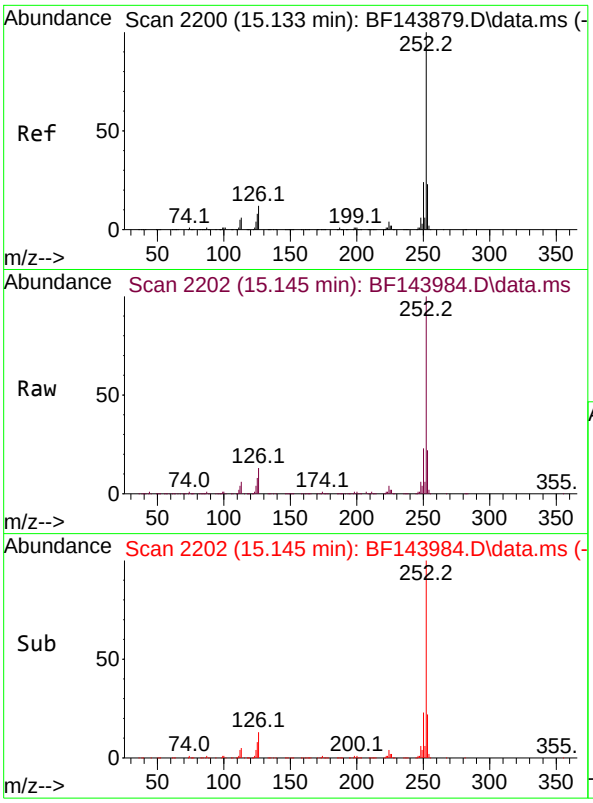


#88
Benzo(b)fluoranthene
Concen: 39.229 ng
RT: 15.116 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:252 Resp: 702798

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	8.3	7.8	11.6



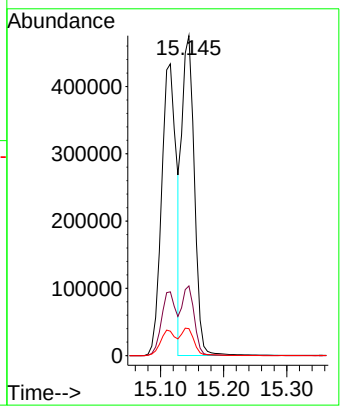


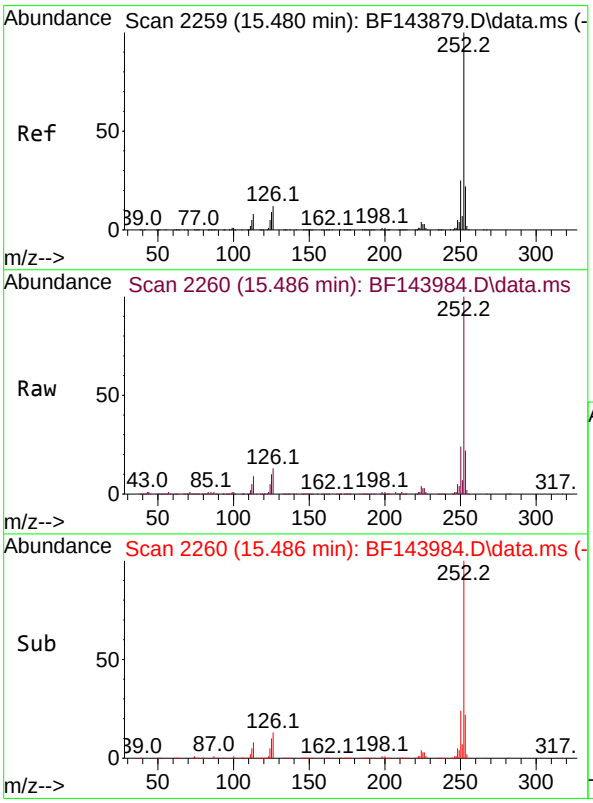
#89
Benzo(k)fluoranthene
Concen: 39.648 ng
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 657259

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	8.4	7.4	11.2

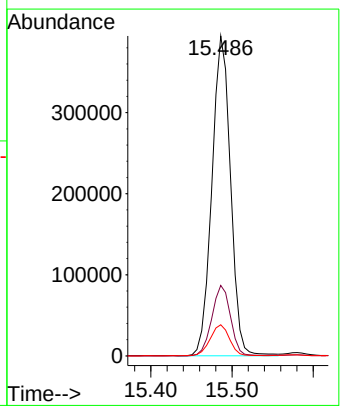


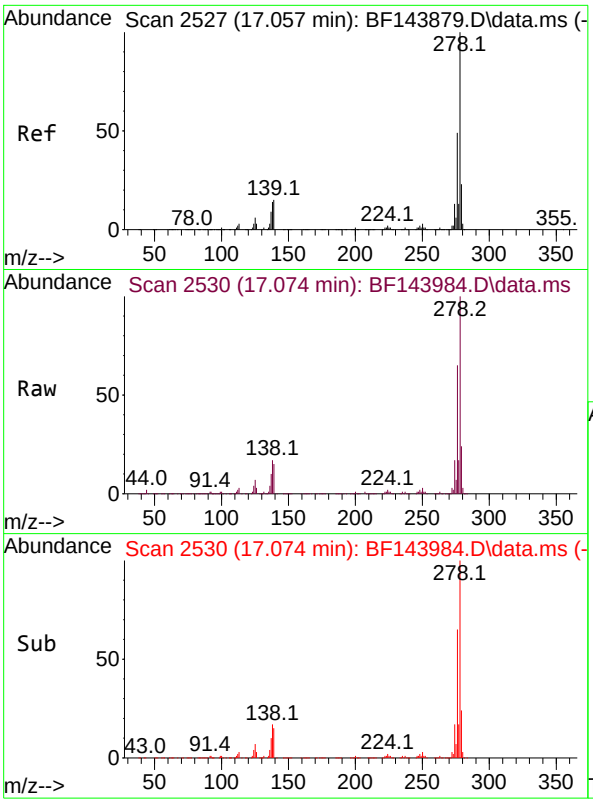


#90
Benzo(a)pyrene
Concen: 40.477 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:252 Resp: 628775

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	9.8	7.0	10.4



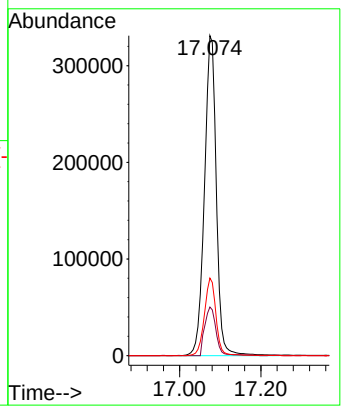


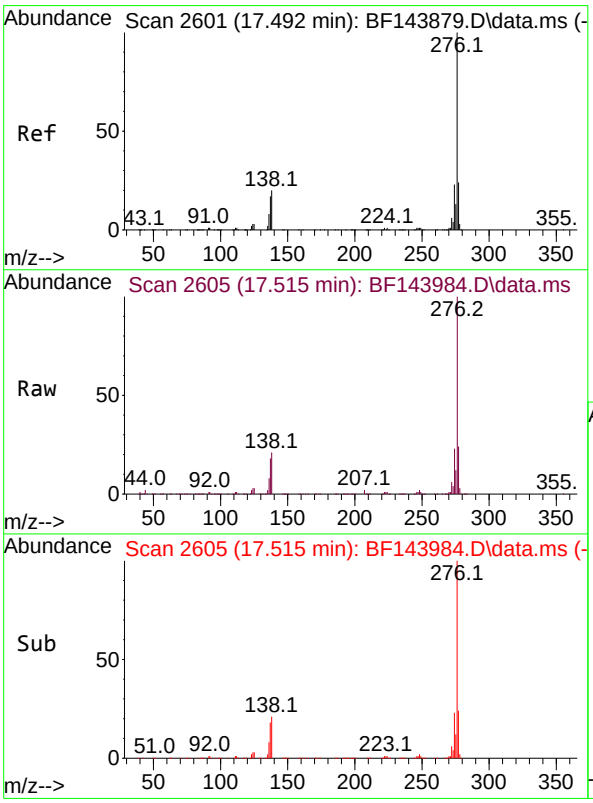
#91
Dibenzo(a,h)anthracene
Concen: 43.846 ng
RT: 17.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 673892

Ion	Ratio	Lower	Upper
278	100		
139	15.2	11.7	17.5
279	24.2	18.4	27.6

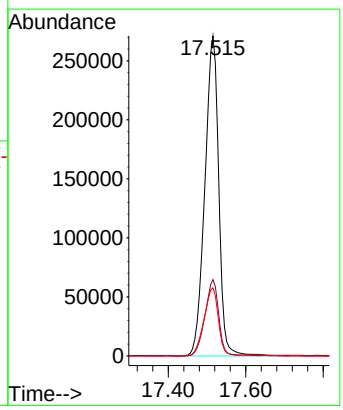




#92
Benzo(g,h,i)perylene
Concen: 43.916 ng
RT: 17.515 min Scan# 2605
Delta R.T. 0.000 min
Lab File: BF143984.D
Acq: 17 Oct 2025 14:43

Tgt Ion:276 Resp: 674970

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	21.3	16.1	24.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143984.D
Acq On : 17 Oct 2025 14:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 17 16:26:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	126	0.00
2		1,4-Dioxane	0.583	0.584	-0.2	121	-0.01
3		Pyridine	1.697	1.752	-3.2	125	-0.01
4		n-Nitrosodimethylamine	0.893	0.888	0.6	123	-0.02
5	S	2-Fluorophenol	1.259	1.280	-1.7	124	0.00
6		Aniline	2.250	2.145	4.7	116	0.00
7	S	Phenol-d6	1.501	1.459	2.8	119	0.00
8		2-Chlorophenol	1.231	1.249	-1.5	122	0.00
9		Benzaldehyde	1.158	1.188	-2.6	113	0.00
10	C	Phenol	1.795	1.831	-2.0	125	0.00
11		bis(2-Chloroethyl)ether	1.386	1.382	0.3	121	0.00
12		1,3-Dichlorobenzene	1.474	1.427	3.2	119	0.00
13	C	1,4-Dichlorobenzene	1.454	1.419	2.4	119	0.00
14		1,2-Dichlorobenzene	1.392	1.367	1.8	120	0.00
15		Benzyl Alcohol	1.125	1.066	5.2	115	0.00
16		2,2'-oxybis(1-Chloropropane	3.156	3.010	4.6	117	0.00
17		2-Methylphenol	1.017	0.961	5.5	115	0.00
18		Hexachloroethane	0.485	0.497	-2.5	125	0.00
19	P	n-Nitroso-di-n-propylamine	1.028	0.825	19.7	101	-0.02
20		3+4-Methylphenols	1.179	1.047	11.2	104	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	118	0.00
22		Acetophenone	0.423	0.381	9.9	104	0.00
23	S	Nitrobenzene-d5	0.329	0.339	-3.0	116	0.00
24		Nitrobenzene	0.366	0.379	-3.6	114	0.00
25		Isophorone	0.694	0.621	10.5	104	-0.02
26	C	2-Nitrophenol	0.157	0.180	-14.6	122	0.00
27		2,4-Dimethylphenol	0.282	0.269	4.6	108	0.00
28		bis(2-Chloroethoxy)methane	0.438	0.391	10.7	104	0.00
29	C	2,4-Dichlorophenol	0.294	0.278	5.4	107	0.00
30		1,2,4-Trichlorobenzene	0.289	0.299	-3.5	118	0.00
31		Naphthalene	0.910	0.854	6.2	108	0.00
32		Benzoic acid	0.195	0.179	8.2	106	-0.03
33		4-Chloroaniline	0.341	0.302	11.4	100	0.00
34	C	Hexachlorobutadiene	0.201	0.204	-1.5	117	0.00
35		Caprolactam	0.093	0.081	12.9	101	-0.04
36	C	4-Chloro-3-methylphenol	0.282	0.249	11.7	102	0.00
37		2-Methylnaphthalene	0.606	0.543	10.4	104	0.00
38		1-Methylnaphthalene	0.588	0.511	13.1	100	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	107	0.00
40		1,2,4,5-Tetrachlorobenzene	0.553	0.571	-3.3	104	0.00
41	P	Hexachlorocyclopentadiene	0.229	0.200	12.7	83	0.00
42	S	2,4,6-Tribromophenol	0.199	0.203	-2.0	105	0.00
43	C	2,4,6-Trichlorophenol	0.404	0.399	1.2	96	0.00
44		2,4,5-Trichlorophenol	0.427	0.438	-2.6	103	0.00
45	S	2-Fluorobiphenyl	1.260	1.153	8.5	101	0.00
46		1,1'-Biphenyl	1.324	1.266	4.4	99	0.00
47		2-Chloronaphthalene	1.104	1.099	0.5	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143984.D
Acq On : 17 Oct 2025 14:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 17 16:26:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.349	0.371	-6.3	102	0.00
49		Acenaphthylene	1.552	1.478	4.8	98	0.00
50		Dimethylphthalate	1.270	1.231	3.1	102	0.00
51		2,6-Dinitrotoluene	0.236	0.269	-14.0	110	-0.01
52	C	Acenaphthene	1.017	0.979	3.7	100	0.00
53		3-Nitroaniline	0.288	0.301	-4.5	105	-0.01
54	P	2,4-Dinitrophenol	0.118	0.125	-5.9	112	0.00
55		Dibenzofuran	1.436	1.377	4.1	99	0.00
56	P	4-Nitrophenol	0.218	0.208	4.6	95	0.00
57		2,4-Dinitrotoluene	0.320	0.353	-10.3	104	0.00
58		Fluorene	1.083	1.025	5.4	100	0.00
59		2,3,4,6-Tetrachlorophenol	0.302	0.297	1.7	98	0.00
60		Diethylphthalate	1.180	1.122	4.9	98	0.00
61		4-Chlorophenyl-phenylether	0.573	0.557	2.8	100	0.00
62		4-Nitroaniline	0.277	0.281	-1.4	103	-0.02
63		Azobenzene	1.233	1.197	2.9	100	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	104	0.00
65		4,6-Dinitro-2-methylphenol	0.101	0.119	-17.8	112	-0.01
66	c	n-Nitrosodiphenylamine	0.628	0.616	1.9	97	0.00
67		4-Bromophenyl-phenylether	0.221	0.223	-0.9	100	0.00
68		Hexachlorobenzene	0.256	0.259	-1.2	101	0.00
69		Atrazine	0.190	0.184	3.2	98	-0.01
70	C	Pentachlorophenol	0.147	0.138	6.1	91	0.00
71		Phenanthrene	0.970	0.937	3.4	100	0.00
72		Anthracene	0.980	0.945	3.6	96	0.00
73		Carbazole	0.868	0.826	4.8	97	0.00
74		Di-n-butylphthalate	1.005	1.007	-0.2	99	0.00
75	C	Fluoranthene	1.002	0.966	3.6	97	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	113	0.00
77		Benzidine	0.694	0.574	17.3	85	0.00
78		Pyrene	1.667	1.585	4.9	96	0.00
79	S	Terphenyl-d14	1.170	1.142	2.4	100	0.00
80		Butylbenzylphthalate	0.542	0.583	-7.6	106	0.00
81		Benzo(a)anthracene	1.309	1.320	-0.8	106	0.00
82		3,3'-Dichlorobenzidine	0.399	0.420	-5.3	108	0.00
83		Chrysene	1.211	1.224	-1.1	106	0.00
84		Bis(2-ethylhexyl)phthalate	0.653	0.757	-15.9	115	0.00
85	c	Di-n-octyl phthalate	1.072	1.316	-22.8#	124	0.00
86	I	Perylene-d12	1.000	1.000	0.0	124	0.00
87		Indeno(1,2,3-cd)pyrene	1.225	1.362	-11.2	122	0.00
88		Benzo(b)fluoranthene	1.149	1.127	1.9	110	0.00
89		Benzo(k)fluoranthene	1.063	1.054	0.8	118	0.00
90	C	Benzo(a)pyrene	0.996	1.008	-1.2	114	0.00
91		Dibenzo(a,h)anthracene	0.986	1.080	-9.5	119	0.00
92		Benzo(g,h,i)perylene	0.986	1.082	-9.7	120	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143984.D
Acq On : 17 Oct 2025 14:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 17 16:26:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143984.D
Acq On : 17 Oct 2025 14:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 17 16:26:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	126	0.00
2		1,4-Dioxane	40.000	40.084	-0.2	121	-0.01
3		Pyridine	40.000	41.316	-3.3	125	-0.01
4		n-Nitrosodimethylamine	40.000	39.778	0.6	123	-0.02
5	S	2-Fluorophenol	80.000	81.301	-1.6	124	0.00
6		Aniline	40.000	38.146	4.6	116	0.00
7	S	Phenol-d6	80.000	77.751	2.8	119	0.00
8		2-Chlorophenol	40.000	40.585	-1.5	122	0.00
9		Benzaldehyde	40.000	41.037	-2.6	113	0.00
10	C	Phenol	40.000	40.798	-2.0	125	0.00
11		bis(2-Chloroethyl)ether	40.000	39.863	0.3	121	0.00
12		1,3-Dichlorobenzene	40.000	38.735	3.2	119	0.00
13	C	1,4-Dichlorobenzene	40.000	39.051	2.4	119	0.00
14		1,2-Dichlorobenzene	40.000	39.285	1.8	120	0.00
15		Benzyl Alcohol	40.000	37.917	5.2	115	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.150	4.6	117	0.00
17		2-Methylphenol	40.000	37.768	5.6	115	0.00
18		Hexachloroethane	40.000	40.983	-2.5	125	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	32.115	19.7	101	-0.02
20		3+4-Methylphenols	40.000	35.518	11.2	104	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	118	0.00
22		Acetophenone	40.000	36.001	10.0	104	0.00
23	S	Nitrobenzene-d5	80.000	82.295	-2.9	116	0.00
24		Nitrobenzene	40.000	41.444	-3.6	114	0.00
25		Isophorone	40.000	35.799	10.5	104	-0.02
26	C	2-Nitrophenol	40.000	46.048	-15.1	122	0.00
27		2,4-Dimethylphenol	40.000	38.230	4.4	108	0.00
28		bis(2-Chloroethoxy)methane	40.000	35.687	10.8	104	0.00
29	C	2,4-Dichlorophenol	40.000	37.833	5.4	107	0.00
30		1,2,4-Trichlorobenzene	40.000	41.438	-3.6	118	0.00
31		Naphthalene	40.000	37.537	6.2	108	0.00
32		Benzoic acid	40.000	36.736	8.2	106	-0.03
33		4-Chloroaniline	40.000	35.390	11.5	100	0.00
34	C	Hexachlorobutadiene	40.000	40.682	-1.7	117	0.00
35		Caprolactam	40.000	34.885	12.8	101	-0.04
36	C	4-Chloro-3-methylphenol	40.000	35.371	11.6	102	0.00
37		2-Methylnaphthalene	40.000	35.842	10.4	104	0.00
38		1-Methylnaphthalene	40.000	34.781	13.0	100	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	107	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.355	-3.4	104	0.00
41	P	Hexachlorocyclopentadiene	40.000	34.808	13.0	83	0.00
42	S	2,4,6-Tribromophenol	80.000	81.635	-2.0	105	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.505	1.2	96	0.00
44		2,4,5-Trichlorophenol	40.000	41.058	-2.6	103	0.00
45	S	2-Fluorobiphenyl	80.000	73.197	8.5	101	0.00
46		1,1'-Biphenyl	40.000	38.246	4.4	99	0.00
47		2-Chloronaphthalene	40.000	39.827	0.4	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143984.D
Acq On : 17 Oct 2025 14:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 17 16:26:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.502	-6.3	102	0.00
49		Acenaphthylene	40.000	38.094	4.8	98	0.00
50		Dimethylphthalate	40.000	38.778	3.1	102	0.00
51		2,6-Dinitrotoluene	40.000	45.724	-14.3	110	-0.01
52	C	Acenaphthene	40.000	38.520	3.7	100	0.00
53		3-Nitroaniline	40.000	41.782	-4.5	105	-0.01
54	P	2,4-Dinitrophenol	40.000	38.380	4.0	112	0.00
55		Dibenzofuran	40.000	38.374	4.1	99	0.00
56	P	4-Nitrophenol	40.000	38.015	5.0	95	0.00
57		2,4-Dinitrotoluene	40.000	44.073	-10.2	104	0.00
58		Fluorene	40.000	37.860	5.4	100	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.380	1.5	98	0.00
60		Diethylphthalate	40.000	38.019	5.0	98	0.00
61		4-Chlorophenyl-phenylether	40.000	38.926	2.7	100	0.00
62		4-Nitroaniline	40.000	40.536	-1.3	103	-0.02
63		Azobenzene	40.000	38.820	2.9	100	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	104	0.00
65		4,6-Dinitro-2-methylphenol	40.000	47.480	-18.7	112	-0.01
66	c	n-Nitrosodiphenylamine	40.000	39.233	1.9	97	0.00
67		4-Bromophenyl-phenylether	40.000	40.366	-0.9	100	0.00
68		Hexachlorobenzene	40.000	40.500	-1.3	101	0.00
69		Atrazine	40.000	38.641	3.4	98	-0.01
70	C	Pentachlorophenol	40.000	37.622	5.9	91	0.00
71		Phenanthrene	40.000	38.651	3.4	100	0.00
72		Anthracene	40.000	38.599	3.5	96	0.00
73		Carbazole	40.000	38.072	4.8	97	0.00
74		Di-n-butylphthalate	40.000	40.081	-0.2	99	0.00
75	C	Fluoranthene	40.000	38.579	3.6	97	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	113	0.00
77		Benzidine	40.000	33.035	17.4	85	0.00
78		Pyrene	40.000	38.018	5.0	96	0.00
79	S	Terphenyl-d14	80.000	78.038	2.5	100	0.00
80		Butylbenzylphthalate	40.000	43.034	-7.6	106	0.00
81		Benzo(a)anthracene	40.000	40.339	-0.8	106	0.00
82		3,3'-Dichlorobenzidine	40.000	42.150	-5.4	108	0.00
83		Chrysene	40.000	40.402	-1.0	106	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	46.371	-15.9	115	0.00
85	c	Di-n-octyl phthalate	40.000	49.093	-22.7#	124	0.00
86	I	Perylene-d12	20.000	20.000	0.0	124	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	44.469	-11.2	122	0.00
88		Benzo(b)fluoranthene	40.000	39.229	1.9	110	0.00
89		Benzo(k)fluoranthene	40.000	39.648	0.9	118	0.00
90	C	Benzo(a)pyrene	40.000	40.477	-1.2	114	0.00
91		Dibenzo(a,h)anthracene	40.000	43.846	-9.6	119	0.00
92		Benzo(g,h,i)perylene	40.000	43.916	-9.8	120	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143984.D
Acq On : 17 Oct 2025 14:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 17 16:26:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3363

Instrument ID: BNA_G Calibration Date/Time: 10/17/2025 11:39

Lab File ID: BG064531.D Init. Calib. Date(s): 10/02/2025 10/02/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 15:49

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.081	1.113		3.0	
Benzaldehyde	1.290	1.304		1.1	
Phenol-d6	1.452	1.455		0.2	
Phenol	1.532	1.529		-0.2	20.0
bis(2-Chloroethyl)ether	1.038	0.997		-4.0	
2-Chlorophenol	1.327	1.283		-3.3	
2-Methylphenol	1.109	1.130		1.9	
2,2-oxybis(1-Chloropropane)	1.672	1.548		-7.4	
Acetophenone	0.484	0.540		11.6	
3+4-Methylphenols	1.548	1.606		3.7	
n-Nitroso-di-n-propylamine	0.971	0.972	0.050	0.1	
Nitrobenzene-d5	0.372	0.402		8.1	
Hexachloroethane	0.575	0.577		0.3	
Nitrobenzene	0.371	0.409		10.2	
Isophorone	0.674	0.713		5.8	
2-Nitrophenol	0.185	0.204		10.3	20.0
2,4-Dimethylphenol	0.282	0.317		12.4	
bis(2-Chloroethoxy)methane	0.343	0.372		8.5	
2,4-Dichlorophenol	0.326	0.361		10.7	20.0
Naphthalene	1.030	1.149		11.6	
4-Chloroaniline	0.395	0.421		6.6	
Hexachlorobutadiene	0.304	0.347		14.1	20.0
Caprolactam	0.112	0.111		-0.9	
4-Chloro-3-methylphenol	0.397	0.411		3.5	20.0
2-Methylnaphthalene	0.791	0.860		8.7	
Hexachlorocyclopentadiene	0.338	0.406	0.050	20.1	
2,4,6-Trichlorophenol	0.413	0.466		12.8	20.0
2-Fluorobiphenyl	1.357	1.481		9.1	
2,4,5-Trichlorophenol	0.461	0.502		8.9	
1,1-Biphenyl	1.438	1.539		7.0	
2-Chloronaphthalene	1.074	1.146		6.7	
2-Nitroaniline	0.367	0.392		6.8	
Dimethylphthalate	1.566	1.640		4.7	
Acenaphthylene	1.594	1.714		7.5	
2,6-Dinitrotoluene	0.326	0.349		7.1	
3-Nitroaniline	0.301	0.321		6.6	
Acenaphthene	1.108	1.183		6.8	20.0
2,4-Dinitrophenol	0.237	0.220	0.050	-7.2	
4-Nitrophenol	0.237	0.234	0.050	-1.3	

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3363

Instrument ID: BNA_G Calibration Date/Time: 10/17/2025 11:39

Lab File ID: BG064531.D Init. Calib. Date(s): 10/02/2025 10/02/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 15:49

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.829	1.943		6.2	
2,4-Dinitrotoluene	0.499	0.528		5.8	
Diethylphthalate	1.680	1.715		2.1	
4-Chlorophenyl-phenylether	0.830	0.889		7.1	
Fluorene	1.520	1.624		6.8	
4-Nitroaniline	0.314	0.353		12.4	
4,6-Dinitro-2-methylphenol	0.139	0.145		4.3	
n-Nitrosodiphenylamine	0.534	0.548		2.6	20.0
2,4,6-Tribromophenol	0.363	0.392		8.0	
4-Bromophenyl-phenylether	0.235	0.258		9.8	
Hexachlorobenzene	0.269	0.295		9.7	
Atrazine	0.238	0.236		-0.8	
Pentachlorophenol	0.157	0.175		11.5	20.0
Phenanthrene	1.046	1.105		5.6	
Anthracene	1.049	1.104		5.2	
Carbazole	0.907	0.960		5.8	
Di-n-butylphthalate	1.107	1.186		7.1	
Fluoranthene	1.250	1.360		8.8	20.0
Pyrene	1.298	1.327		2.2	
Terphenyl-d14	1.057	1.109		4.9	
Butylbenzylphthalate	0.460	0.494		7.4	
3,3-Dichlorobenzidine	0.432	0.452		4.6	
Benzo(a)anthracene	1.277	1.360		6.5	
Chrysene	1.211	1.267		4.6	
Bis(2-ethylhexyl)phthalate	0.649	0.699		7.7	
Di-n-octyl phthalate	1.091	1.197		9.7	20.0
Benzo(b)fluoranthene	1.138	1.210		6.3	
Benzo(k)fluoranthene	1.146	1.228		7.2	
Benzo(a)pyrene	1.049	1.116		6.4	20.0
Indeno(1,2,3-cd)pyrene	1.392	1.482		6.5	
Dibenzo(a,h)anthracene	1.113	1.209		8.6	
Benzo(g,h,i)perylene	1.082	1.142		5.5	
1,2,4,5-Tetrachlorobenzene	0.646	0.729		12.8	
1,4-Dioxane	0.427	0.353		-17.3	20.0
2,3,4,6-Tetrachlorophenol	0.470	0.493		4.9	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064531.D
Acq On : 17 Oct 2025 11:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Oct 17 12:14:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.820	152	15109	20.000	ng		0.00
21) Naphthalene-d8	10.605	136	59855	20.000	ng		# 0.00
39) Acenaphthene-d10	14.447	164	45410	20.000	ng		0.00
64) Phenanthrene-d10	17.185	188	113433	20.000	ng		# 0.00
76) Chrysene-d12	21.416	240	121987	20.000	ng		0.00
86) Perylene-d12	24.389	264	135397	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.411	112	67252	82.376	ng		0.00
7) Phenol-d6	6.997	99	87930	80.147	ng		0.01
23) Nitrobenzene-d5	8.971	82	96302	86.512	ng		0.00
42) 2,4,6-Tribromophenol	15.934	330	71251	86.562	ng		0.00
45) 2-Fluorobiphenyl	13.067	172	268974	87.309	ng		0.00
79) Terphenyl-d14	19.806	244	541256	83.970	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.325	88	10666	33.030	ng		99
3) Pyridine	3.713	79	31836	36.683	ng		96
4) n-Nitrosodimethylamine	3.625	42	25094	39.886	ng		97
6) Aniline	7.144	93	55597	40.175	ng		98
8) 2-Chlorophenol	7.385	128	38767	38.670	ng		94
9) Benzaldehyde	6.962	77	39407	40.464	ng		97
10) Phenol	7.021	94	46193	39.912	ng		98
11) bis(2-Chloroethyl)ether	7.244	93	30133	38.446	ng		96
12) 1,3-Dichlorobenzene	7.708	146	44321	40.415	ng		99
13) 1,4-Dichlorobenzene	7.855	146	44296	40.246	ng		93
14) 1,2-Dichlorobenzene	8.172	146	43761	40.342	ng		96
15) Benzyl Alcohol	8.055	79	40345	39.931	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.337	45	46763	37.014	ng		93
17) 2-Methylphenol	8.266	107	34159	40.760	ng		95
18) Hexachloroethane	8.895	117	17431	40.123	ng	#	81
19) n-Nitroso-di-n-propyla...	8.625	70	29374	40.034	ng	#	96
20) 3+4-Methylphenols	8.595	107	48530	41.497	ng		97
22) Acetophenone	8.636	105	64695	44.640	ng	#	94
24) Nitrobenzene	9.012	77	48957	44.103	ng	#	94
25) Isophorone	9.535	82	85316	42.307	ng		98
26) 2-Nitrophenol	9.723	139	24451	44.257	ng		90
27) 2,4-Dimethylphenol	9.788	122	37945	44.967	ng		97
28) bis(2-Chloroethoxy)met...	10.017	93	44572	43.361	ng		98
29) 2,4-Dichlorophenol	10.258	162	43181	44.252	ng		96
30) 1,2,4-Trichlorobenzene	10.470	180	46971	44.147	ng		97
31) Naphthalene	10.658	128	137511	44.614	ng	#	94
32) Benzoic acid	9.953	122	27634	42.654	ng		88
33) 4-Chloroaniline	10.763	127	50451	42.656	ng		95
34) Hexachlorobutadiene	10.946	225	41597	45.651	ng		99
35) Caprolactam	11.551	113	13346	39.951	ng		92
36) 4-Chloro-3-methylphenol	11.897	107	49176	41.441	ng		100
37) 2-Methylnaphthalene	12.262	142	102929	43.504	ng		94
38) 1-Methylnaphthalene	12.485	142	102009	43.239	ng		99
40) 1,2,4,5-Tetrachloroben...	12.638	216	66219	45.163	ng		99
41) Hexachlorocyclopentadiene	12.614	237	36834	48.026	ng		95
43) 2,4,6-Trichlorophenol	12.879	196	42280	45.109	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064531.D
Acq On : 17 Oct 2025 11:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Oct 17 12:14:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

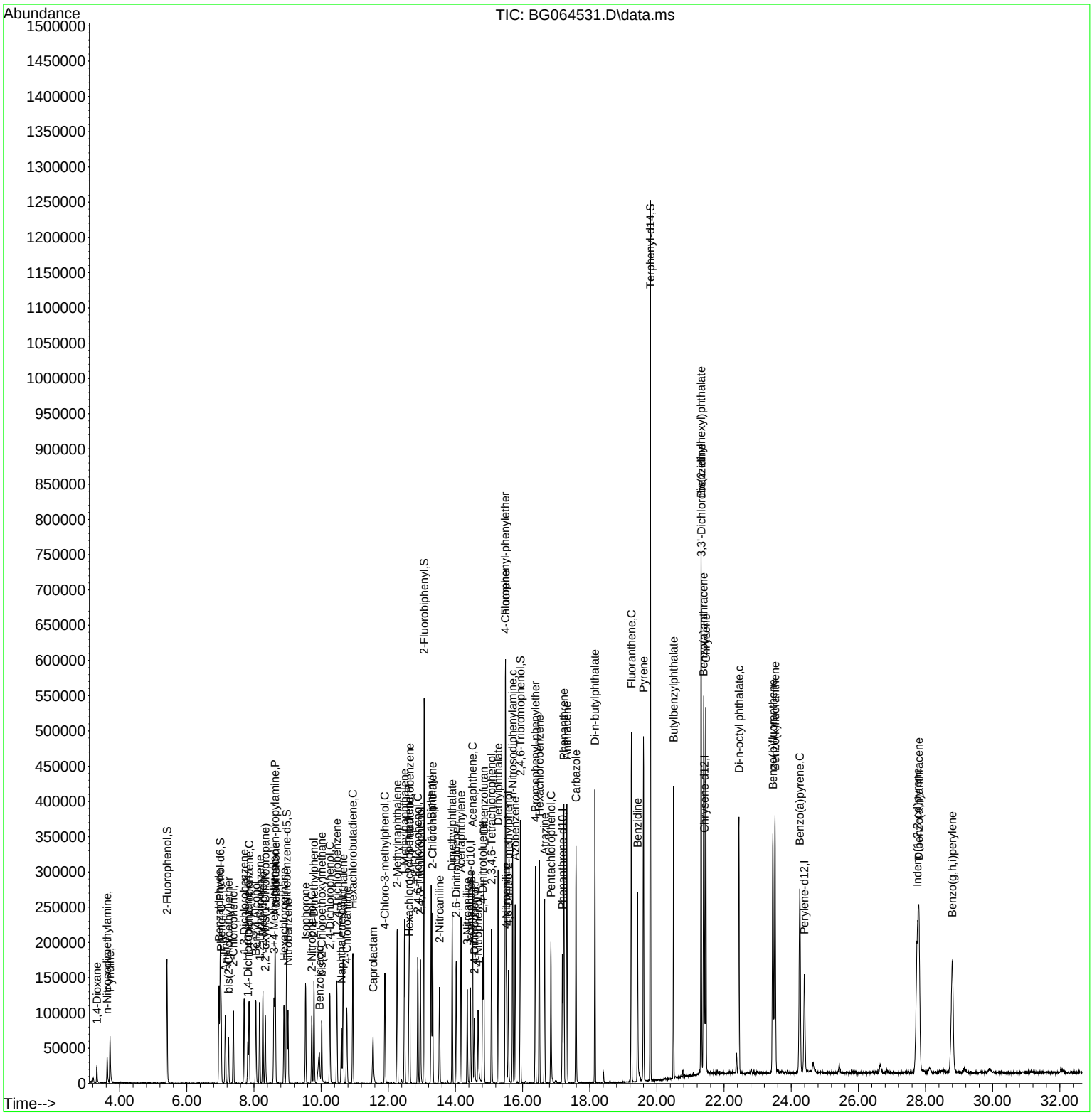
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.955	196	45585	43.563	ng		98
46) 1,1'-Biphenyl	13.278	154	139801	42.804	ng		98
47) 2-Chloronaphthalene	13.319	162	104058	42.673	ng		98
48) 2-Nitroaniline	13.525	65	35557	42.724	ng		91
49) Acenaphthylene	14.165	152	155707	43.015	ng		100
50) Dimethylphthalate	13.907	163	148979	41.889	ng		98
51) 2,6-Dinitrotoluene	14.024	165	31730	42.828	ng		94
52) Acenaphthene	14.512	154	107398	42.705	ng		97
53) 3-Nitroaniline	14.353	138	29167	42.688	ng		98
54) 2,4-Dinitrophenol	14.565	184	19980	37.192	ng		86
55) Dibenzofuran	14.847	168	176477	42.500	ng		99
56) 4-Nitrophenol	14.676	139	21209	39.426	ng	#	78
57) 2,4-Dinitrotoluene	14.812	165	47930	42.320	ng		99
58) Fluorene	15.493	166	147508	42.730	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.076	232	44802	41.953	ng		98
60) Diethylphthalate	15.270	149	155724	40.816	ng		99
61) 4-Chlorophenyl-phenyle...	15.487	204	80769	42.856	ng		99
62) 4-Nitroaniline	15.517	138	32100	45.075	ng		88
63) Azobenzene	15.781	77	120424	40.756	ng		98
65) 4,6-Dinitro-2-methylph...	15.575	198	32882	41.633	ng		97
66) n-Nitrosodiphenylamine	15.705	169	124364	41.056	ng		94
67) 4-Bromophenyl-phenylether	16.380	248	58429	43.772	ng		90
68) Hexachlorobenzene	16.498	284	66922	43.813	ng		97
69) Atrazine	16.656	200	53510	39.706	ng		94
70) Pentachlorophenol	16.845	266	39645	44.391	ng		99
71) Phenanthrene	17.232	178	250586	42.243	ng		98
72) Anthracene	17.320	178	250470	42.088	ng		99
73) Carbazole	17.591	167	217803	42.342	ng		99
74) Di-n-butylphthalate	18.155	149	268973	42.834	ng		98
75) Fluoranthene	19.242	202	308490	43.531	ng		97
77) Benzidine	19.424	184	158322	52.157	ng		98
78) Pyrene	19.600	202	323827	40.905	ng		99
80) Butylbenzylphthalate	20.499	149	120636	42.987	ng		99
81) Benzo(a)anthracene	21.392	228	331808	42.600	ng		97
82) 3,3'-Dichlorobenzidine	21.322	252	110163	41.788	ng		98
83) Chrysene	21.457	228	309141	41.851	ng		96
84) Bis(2-ethylhexyl)phtha...	21.316	149	170638	43.095	ng		98
85) Di-n-octyl phthalate	22.444	149	291996	43.878	ng		98
87) Indeno(1,2,3-cd)pyrene	27.755	276	401359	42.587	ng		97
88) Benzo(b)fluoranthene	23.454	252	327643	42.536	ng		97
89) Benzo(k)fluoranthene	23.519	252	332602	42.873	ng		99
90) Benzo(a)pyrene	24.253	252	302217	42.571	ng		100
91) Dibenzo(a,h)anthracene	27.802	278	327359	43.434	ng	#	95
92) Benzo(g,h,i)perylene	28.795	276	309287	42.228	ng		96

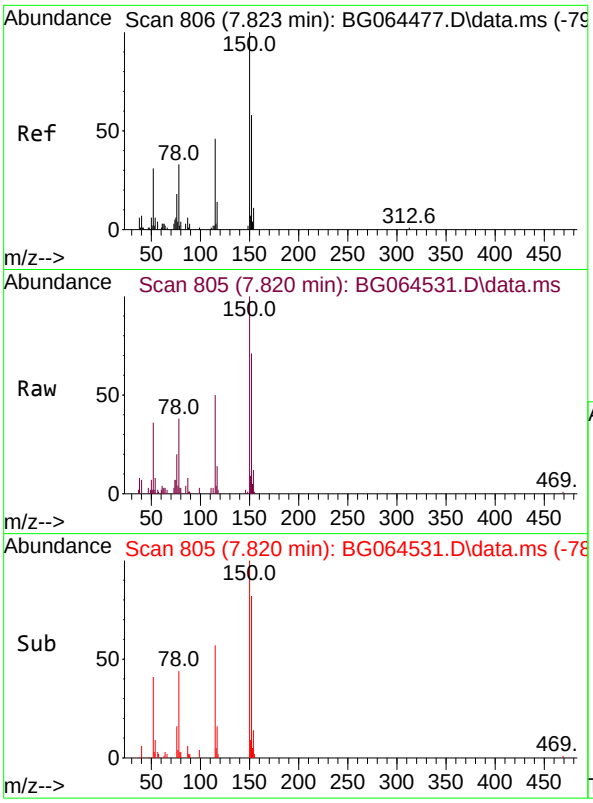
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064531.D
Acq On : 17 Oct 2025 11:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Oct 17 12:14:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration



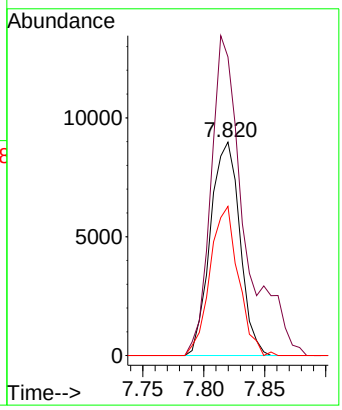


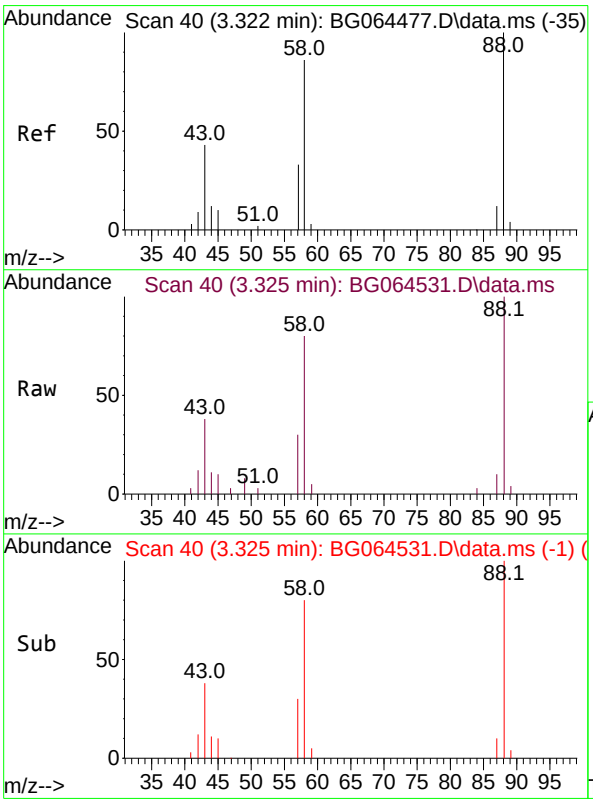
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.820 min Scan# 80
Delta R.T. -0.000 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 15109

Ion	Ratio	Lower	Upper
152	100		
150	139.9	138.6	207.8
115	69.9	63.4	95.2

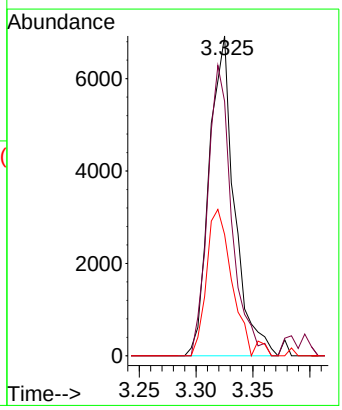


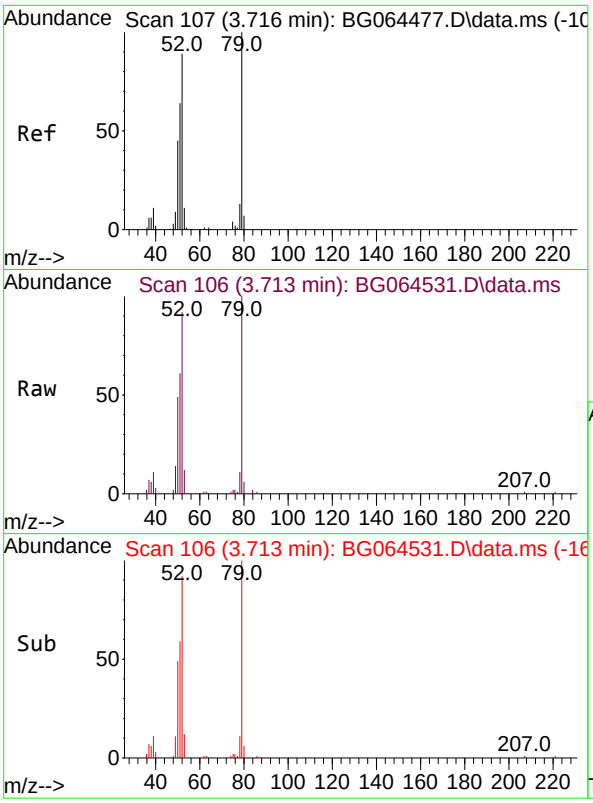


#2
1,4-Dioxane
Concen: 33.030 ng
RT: 3.325 min Scan# 40
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion: 88 Resp: 10666

Ion	Ratio	Lower	Upper
88	100		
58	86.7	69.8	104.6
43	47.2	37.4	56.0



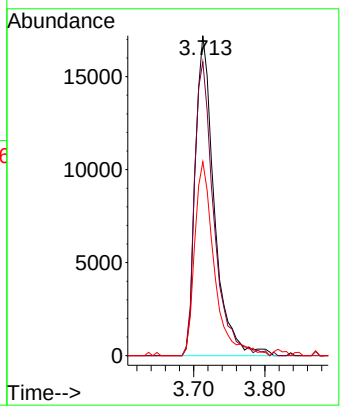


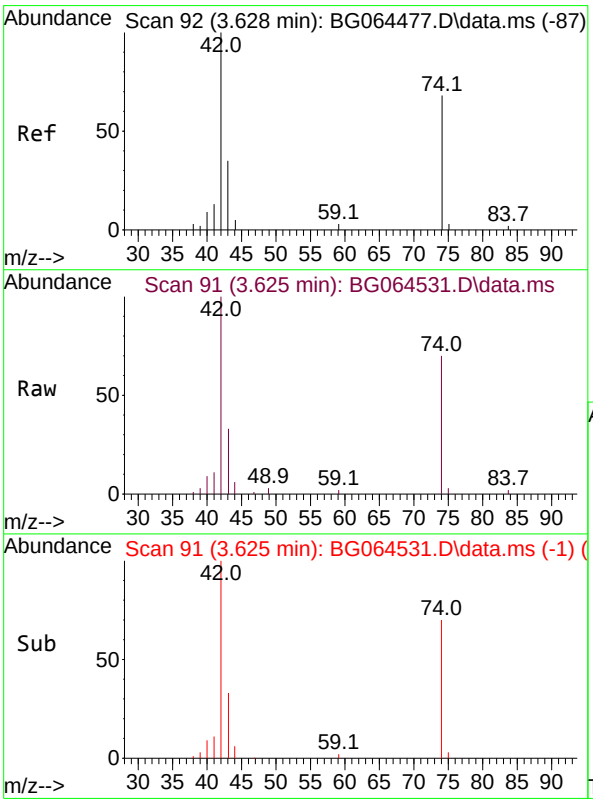
#3
Pyridine
Concen: 36.683 ng
RT: 3.713 min Scan# 10
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 31836

Ion	Ratio	Lower	Upper
79	100		
52	91.8	71.0	106.4
51	60.6	51.0	76.6

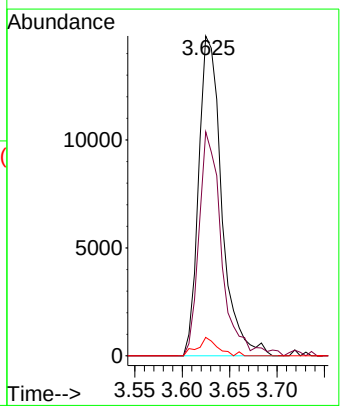


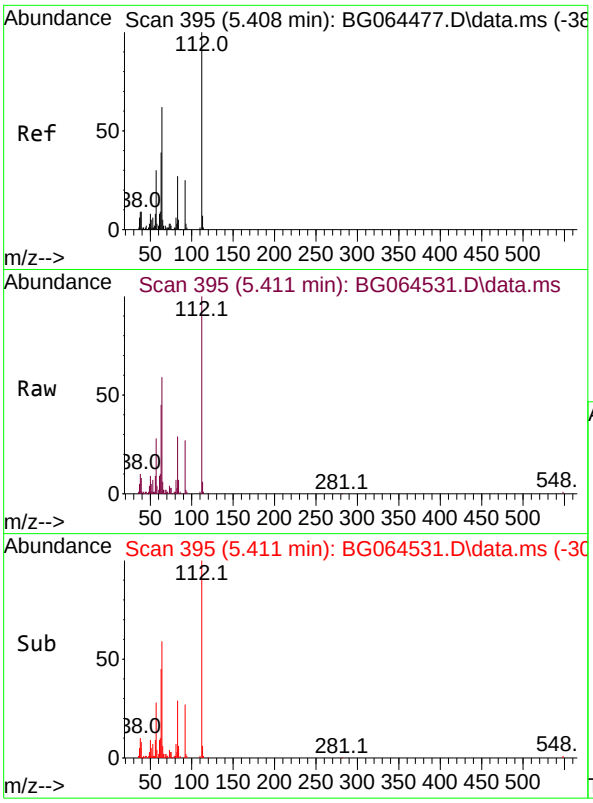


#4
n-Nitrosodimethylamine
Concen: 39.886 ng
RT: 3.625 min Scan# 91
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion: 42 Resp: 25094

Ion	Ratio	Lower	Upper
42	100		
74	70.0	54.2	81.4
44	5.8	4.2	6.2



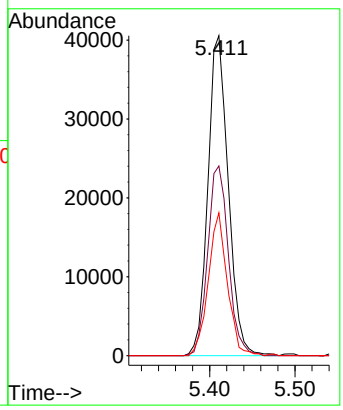


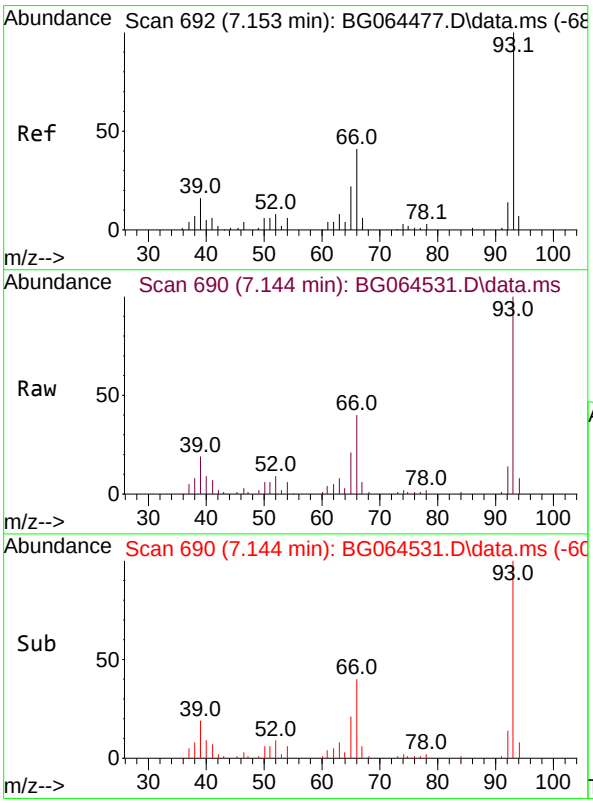
#5
2-Fluorophenol
Concen: 82.376 ng
RT: 5.411 min Scan# 39
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 67252

Ion	Ratio	Lower	Upper
112	100		
64	59.3	49.8	74.8
63	44.6	31.3	46.9

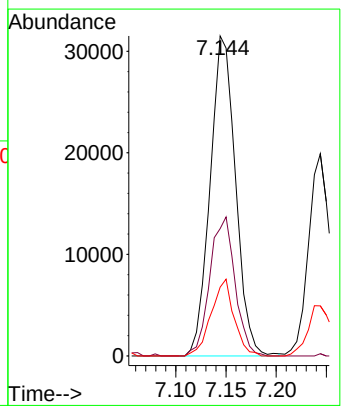


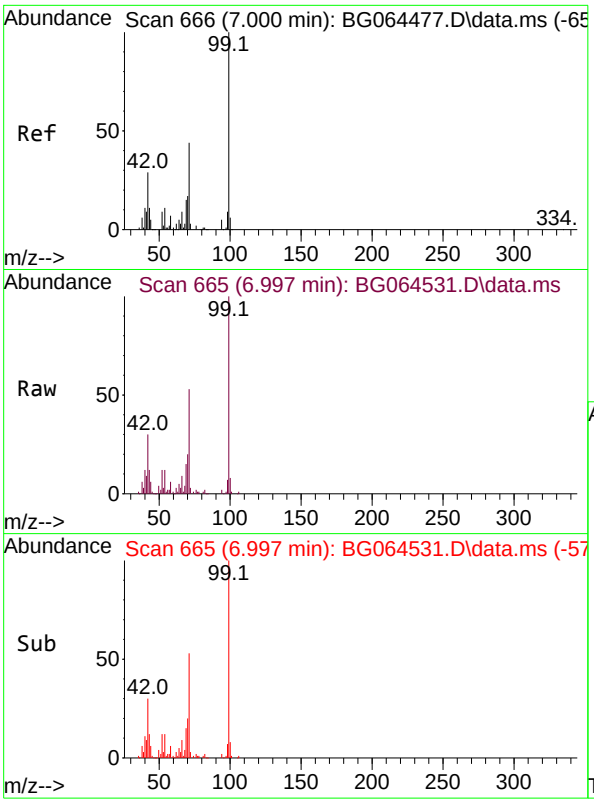


#6
Aniline
Concen: 40.175 ng
RT: 7.144 min Scan# 690
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion: 93 Resp: 55597

Ion	Ratio	Lower	Upper
93	100		
66	39.8	33.0	49.4
65	21.5	17.5	26.3



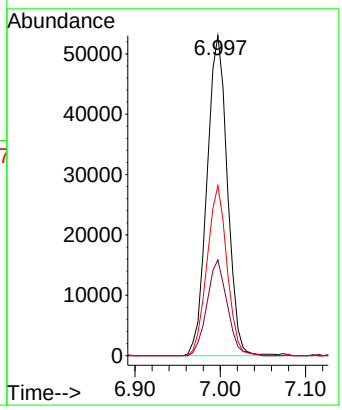


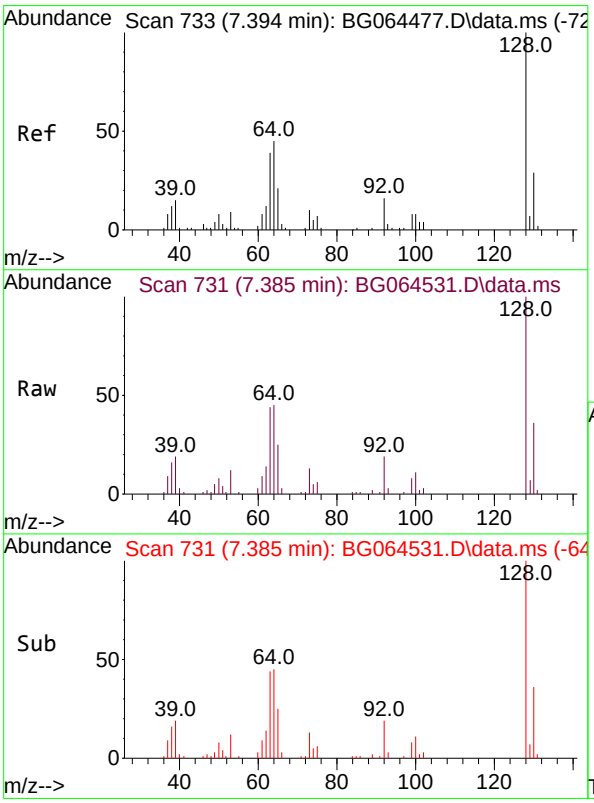
#7
Phenol-d6
Concen: 80.147 ng
RT: 6.997 min Scan# 6
Delta R.T. 0.011 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 87930

Ion	Ratio	Lower	Upper
99	100		
42	29.9	22.9	34.3
71	53.1	35.4	53.2

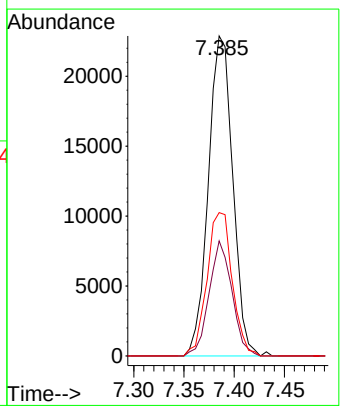


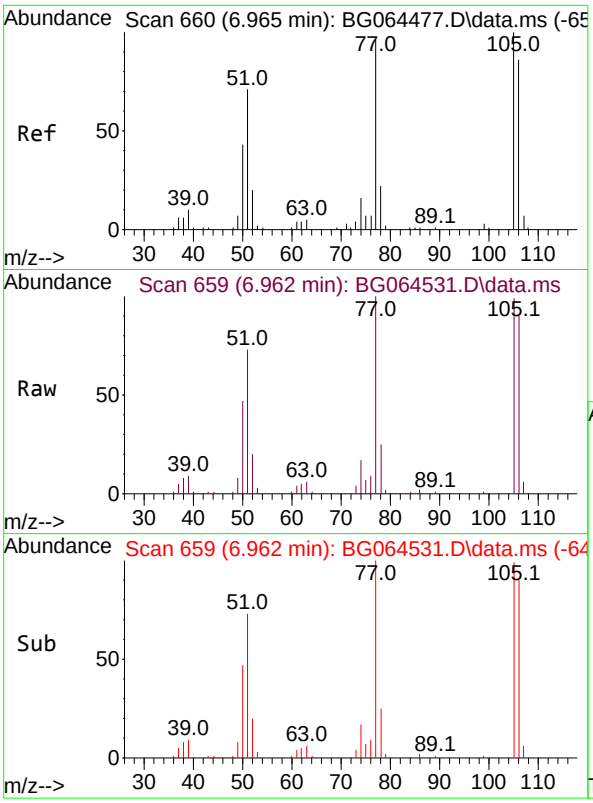


#8
2-Chlorophenol
Concen: 38.670 ng
RT: 7.385 min Scan# 731
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:128 Resp: 38767

Ion	Ratio	Lower	Upper
128	100		
130	35.9	9.2	49.2
64	44.8	25.5	65.5



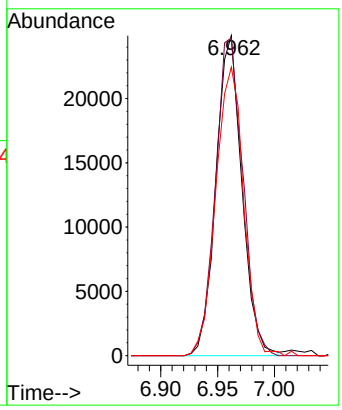


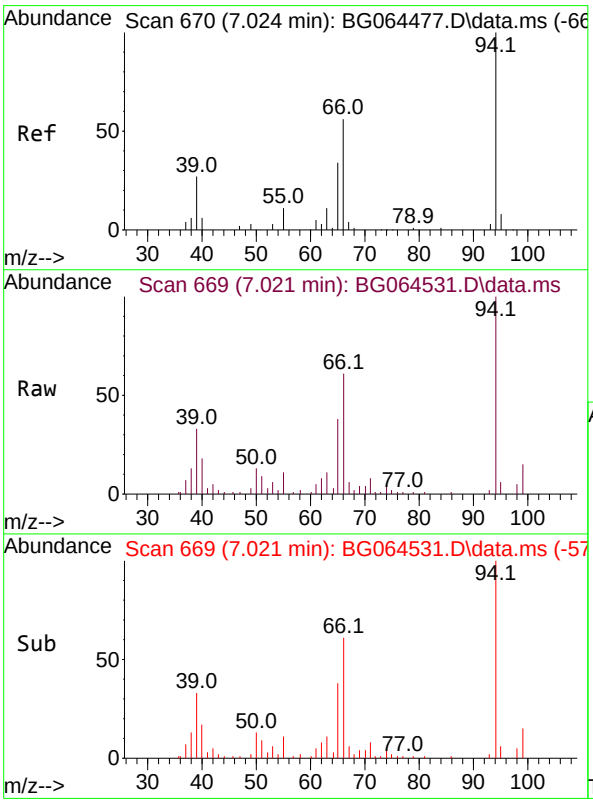
#9
Benzaldehyde
Concen: 40.464 ng
RT: 6.962 min Scan# 6
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 39407

Ion	Ratio	Lower	Upper
77	100		
105	99.3	83.7	123.7
106	90.1	69.4	109.4

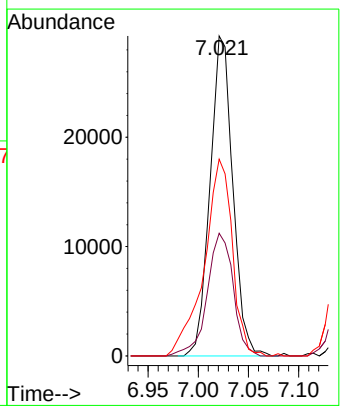


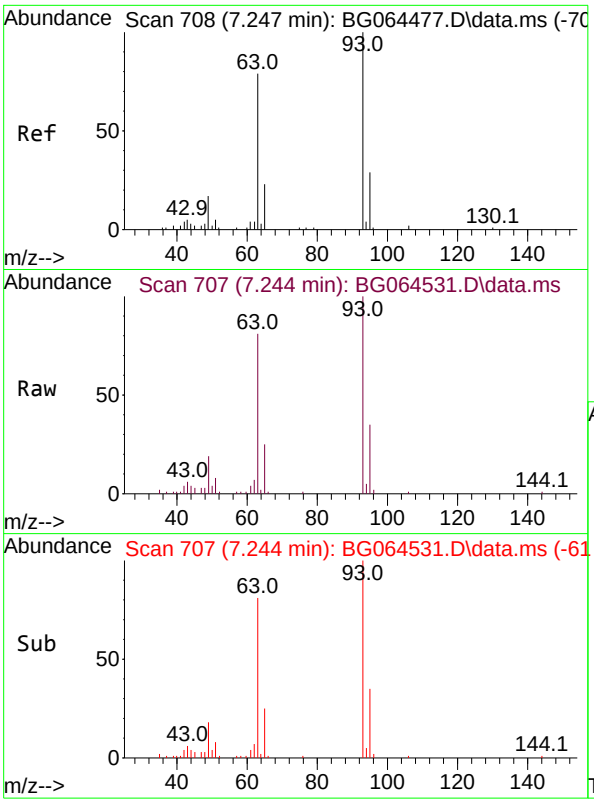


#10
Phenol
Concen: 39.912 ng
RT: 7.021 min Scan# 669
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion: 94 Resp: 46193

Ion	Ratio	Lower	Upper
94	100		
65	38.3	14.8	54.8
66	61.5	41.4	81.4



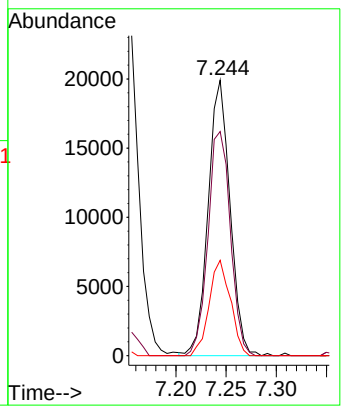


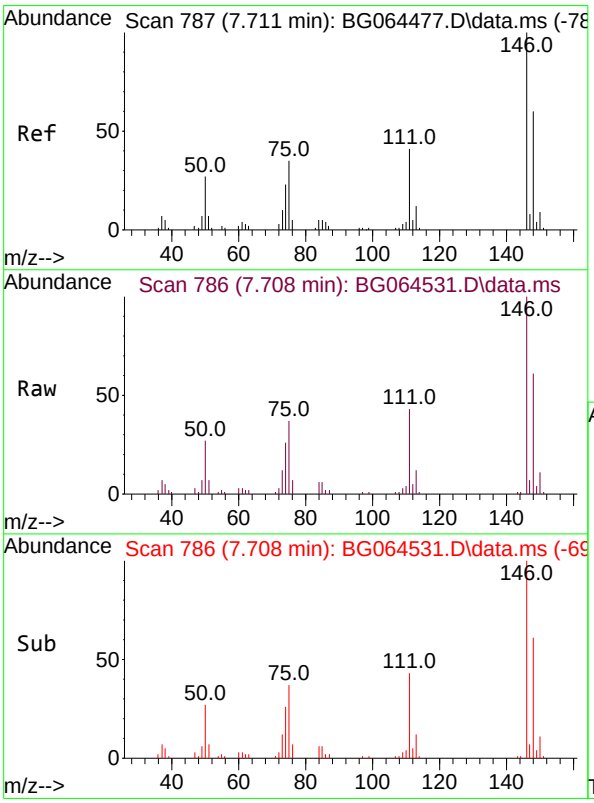
#11
bis(2-Chloroethyl)ether
Concen: 38.446 ng
RT: 7.244 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 30133

Ion	Ratio	Lower	Upper
93	100		
63	81.3	59.5	99.5
95	34.6	8.8	48.8

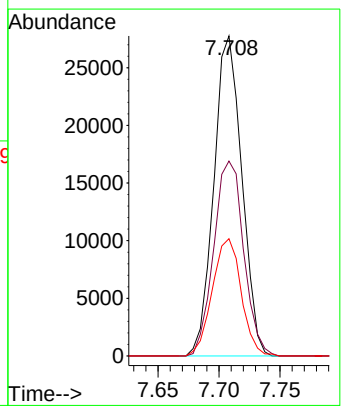


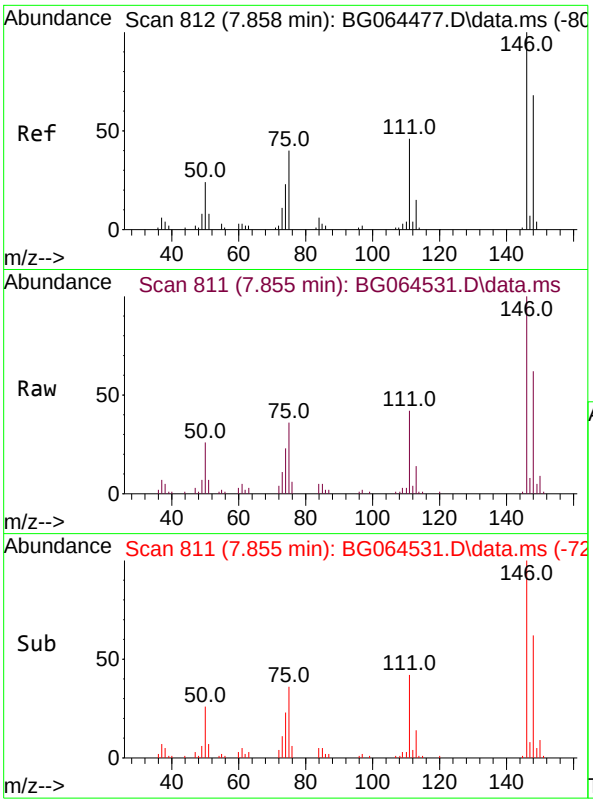


#12
1,3-Dichlorobenzene
Concen: 40.415 ng
RT: 7.708 min Scan# 786
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:146 Resp: 44321

Ion	Ratio	Lower	Upper
146	100		
148	60.9	48.4	72.6
75	36.6	28.3	42.5



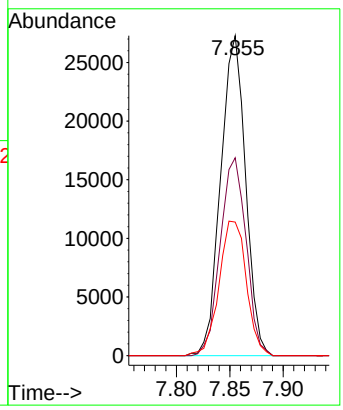


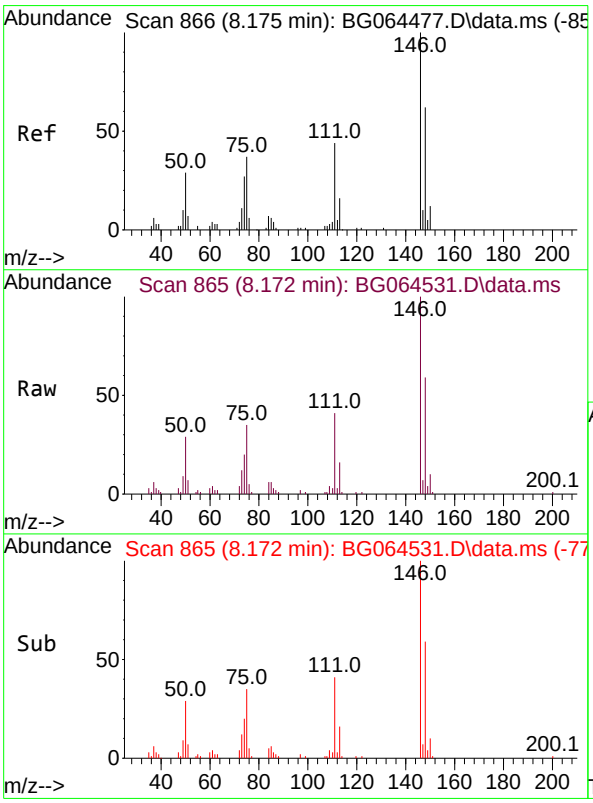
#13
1,4-Dichlorobenzene
Concen: 40.246 ng
RT: 7.855 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 44296

Ion	Ratio	Lower	Upper
146	100		
148	61.8	54.4	81.6
111	41.7	36.5	54.7

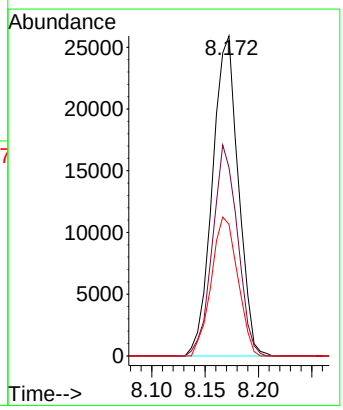


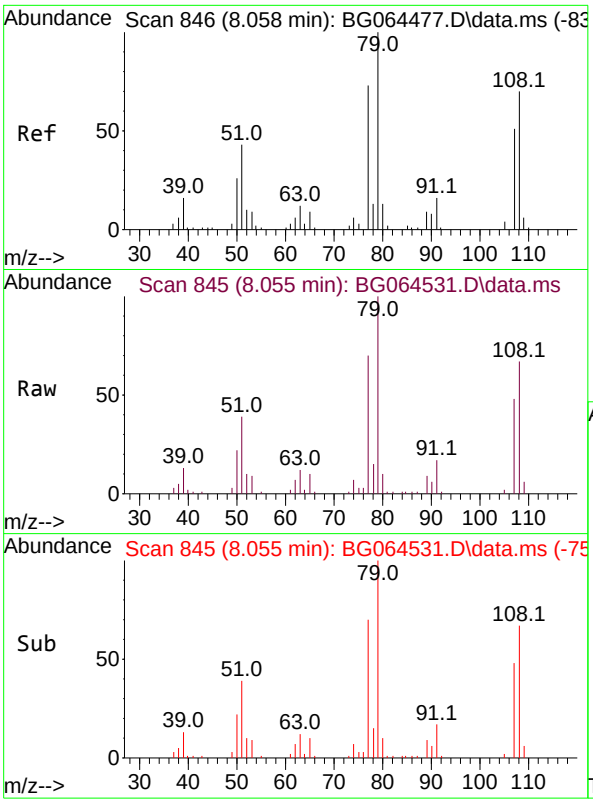


#14
1,2-Dichlorobenzene
Concen: 40.342 ng
RT: 8.172 min Scan# 865
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:146 Resp: 43761

Ion	Ratio	Lower	Upper
146	100		
148	58.9	50.0	75.0
111	41.1	35.0	52.4



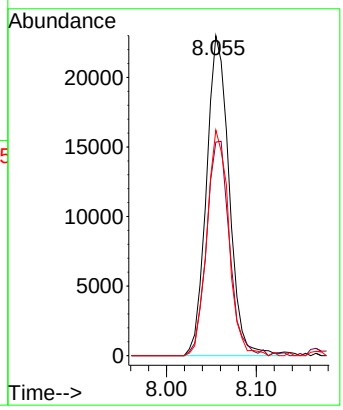


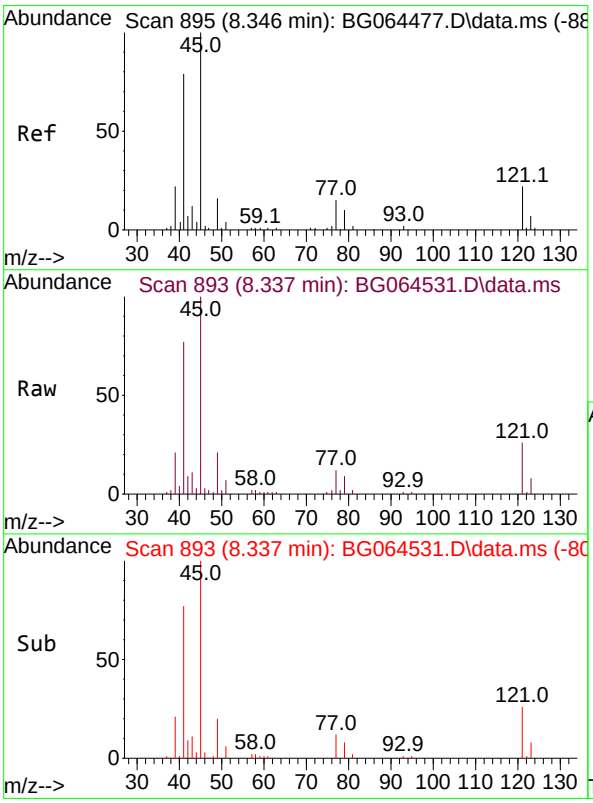
#15
Benzyl Alcohol
Concen: 39.931 ng
RT: 8.055 min Scan# 84
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 40345

Ion	Ratio	Lower	Upper
79	100		
108	66.7	56.4	84.6
77	70.5	58.3	87.5

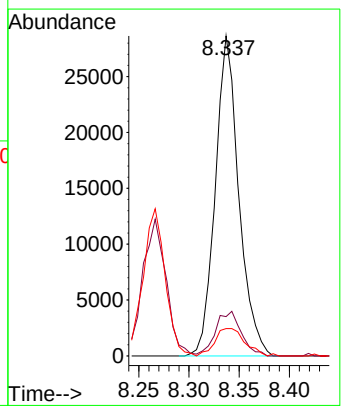


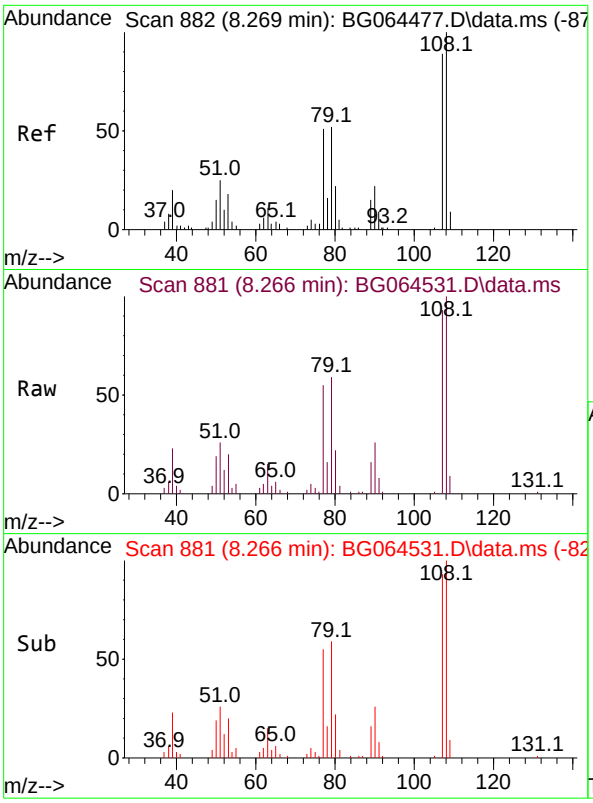


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.014 ng
RT: 8.337 min Scan# 893
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion: 45 Resp: 46763

Ion	Ratio	Lower	Upper
45	100		
77	12.3	0.0	35.6
79	8.6	0.0	30.7



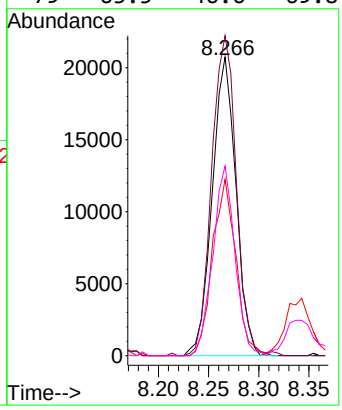


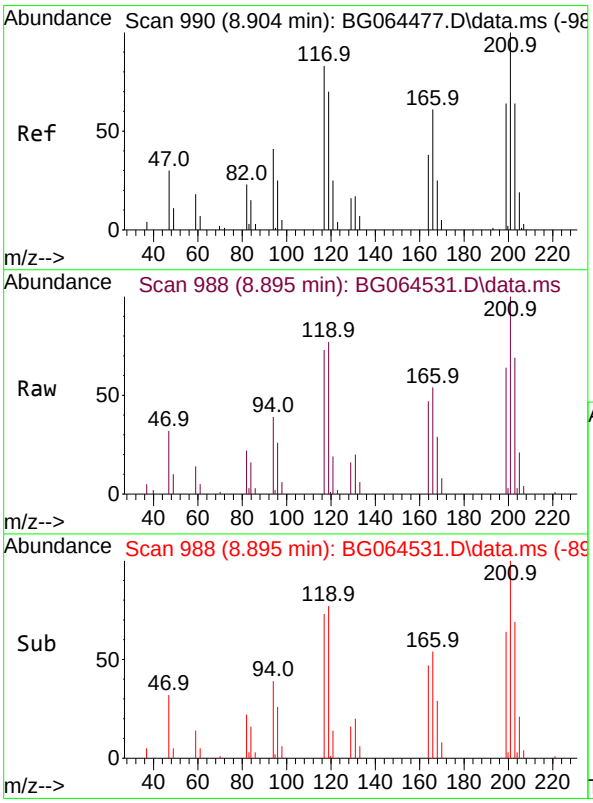
#17
2-Methylphenol
Concen: 40.760 ng
RT: 8.266 min Scan# 88
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 34159

Ion	Ratio	Lower	Upper
107	100		
108	107.1	90.3	135.5
77	59.0	46.0	69.0
79	63.5	46.6	69.8

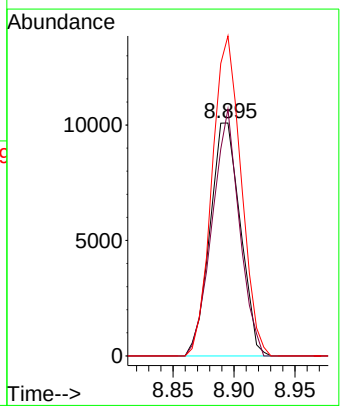


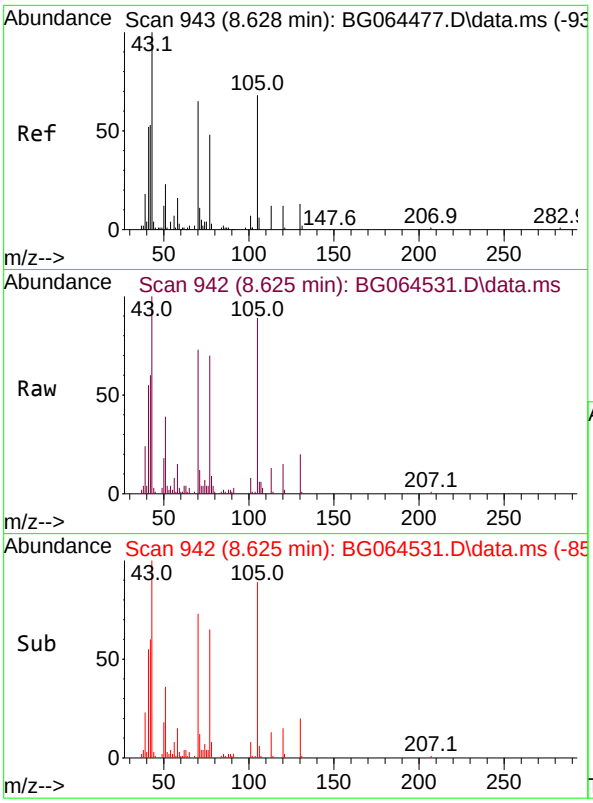


#18
Hexachloroethane
Concen: 40.123 ng
RT: 8.895 min Scan# 988
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:117 Resp: 17431

Ion	Ratio	Lower	Upper
117	100		
119	106.0	67.4	101.0#
201	137.4	95.9	143.9



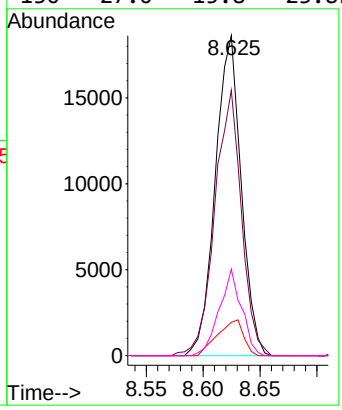


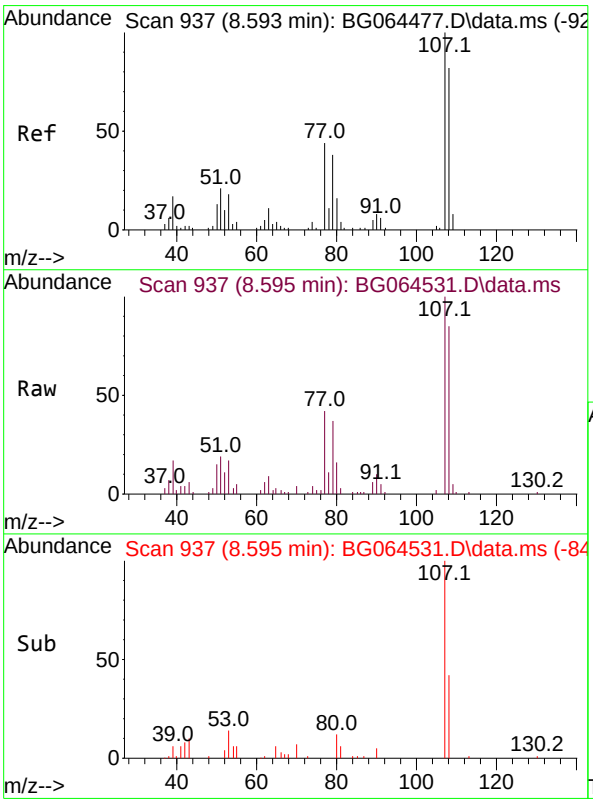
#19
n-Nitroso-di-n-propylamine
Concen: 40.034 ng
RT: 8.625 min Scan# 94
Delta R.T. 0.011 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 29374

Ion	Ratio	Lower	Upper
70	100		
42	82.9	64.9	97.3
101	10.4	8.7	13.1
130	27.0	15.8	23.8#

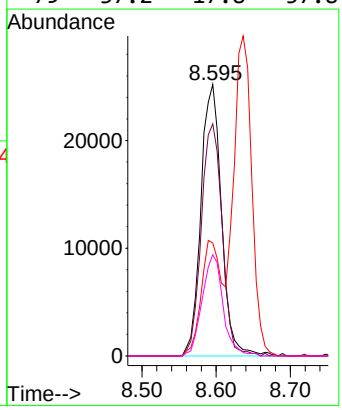


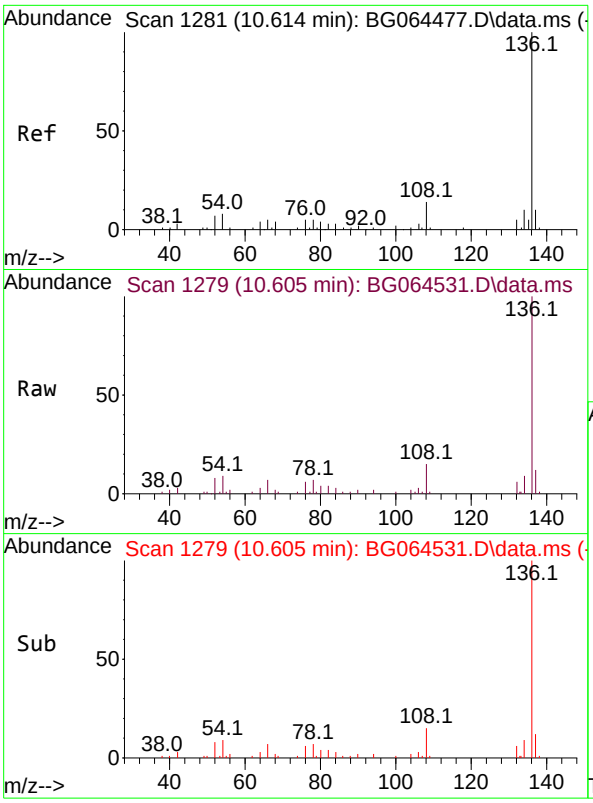


#20
3+4-Methylphenols
Concen: 41.497 ng
RT: 8.595 min Scan# 937
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:107 Resp: 48530

Ion	Ratio	Lower	Upper
107	100		
108	85.4	62.1	102.1
77	41.6	23.5	63.5
79	37.2	17.8	57.8



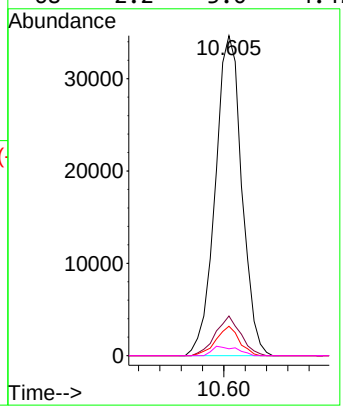


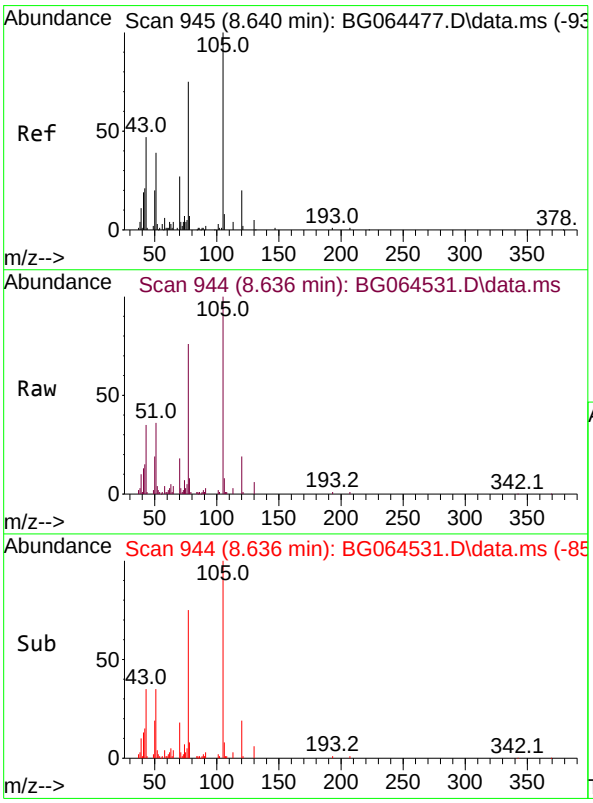
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.605 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 59855

Ion	Ratio	Lower	Upper
136	100		
137	12.4	8.3	12.5
54	9.2	6.2	9.4
68	2.2	3.0	4.4#

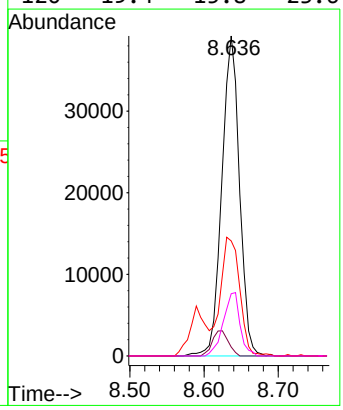


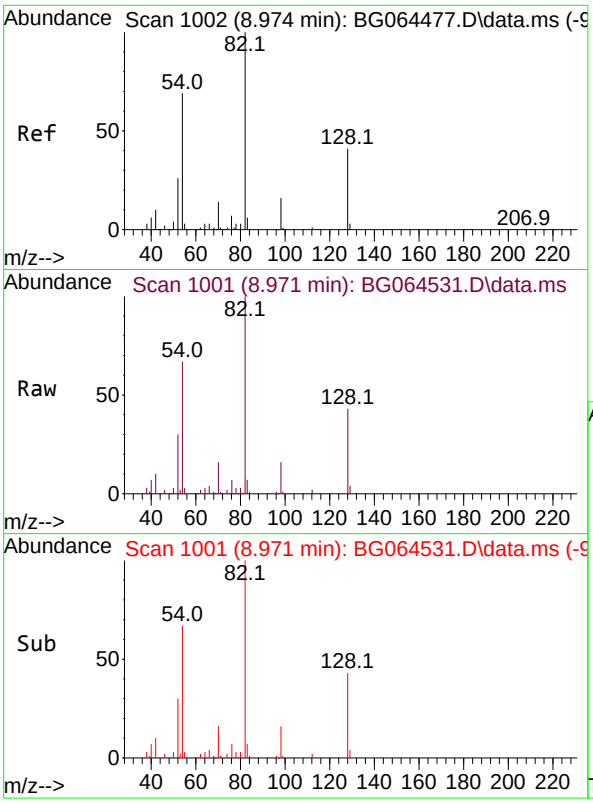


#22
Acetophenone
Concen: 44.640 ng
RT: 8.636 min Scan# 944
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:105 Resp: 64695

Ion	Ratio	Lower	Upper
105	100		
71	2.8	2.8	4.2#
51	36.0	33.0	49.4
120	19.4	15.8	23.6



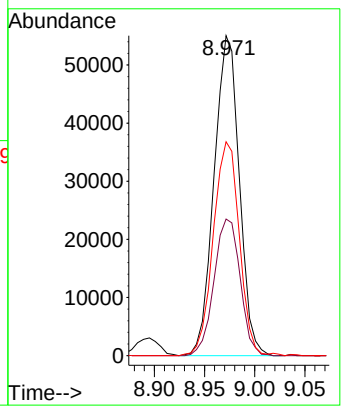


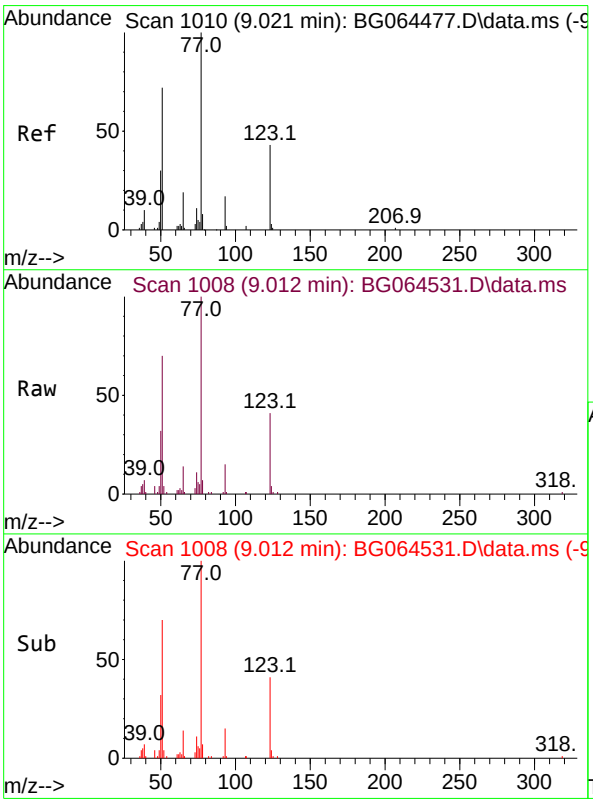
#23
Nitrobenzene-d5
Concen: 86.512 ng
RT: 8.971 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 96302

Ion	Ratio	Lower	Upper
82	100		
128	42.7	33.1	49.7
54	66.8	55.4	83.2

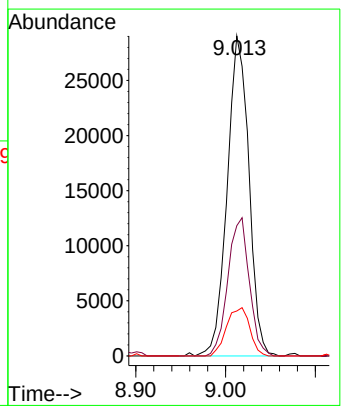


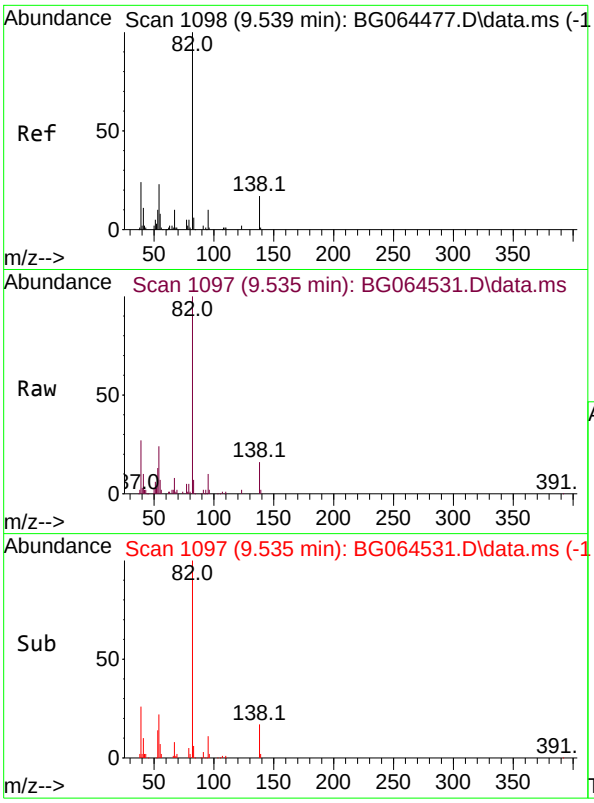


#24
Nitrobenzene
Concen: 44.103 ng
RT: 9.012 min Scan# 1008
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion: 77 Resp: 48957

Ion	Ratio	Lower	Upper
77	100		
123	40.7	34.4	51.6
65	14.0	14.8	22.2#



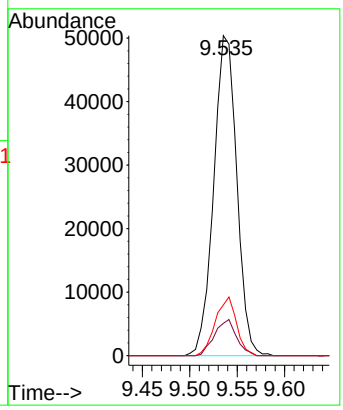


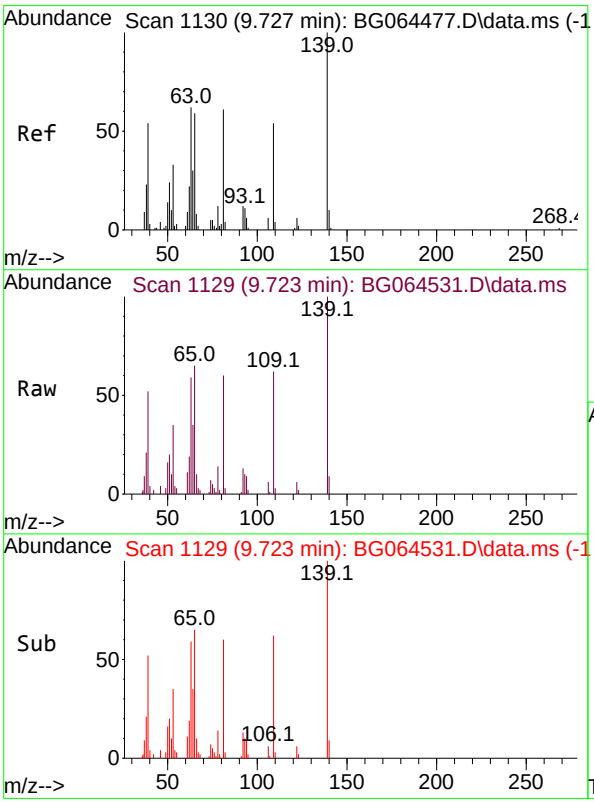
#25
Isophorone
Concen: 42.307 ng
RT: 9.535 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 85316

Ion	Ratio	Lower	Upper
82	100		
95	10.1	7.8	11.8
138	15.9	13.8	20.6

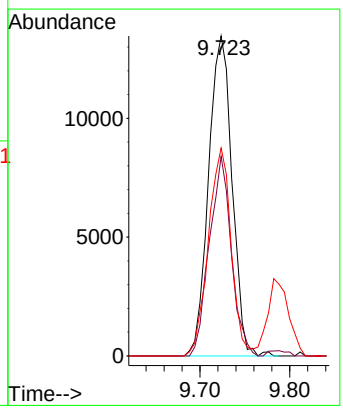


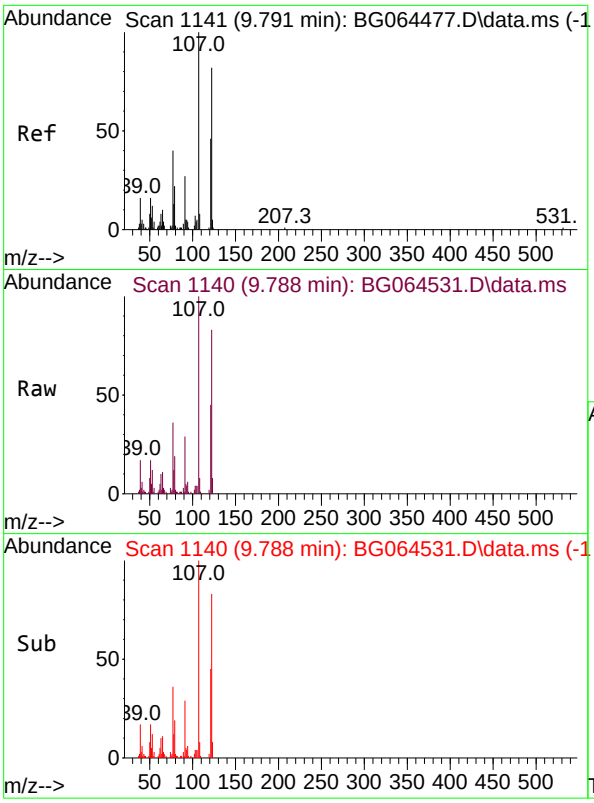


#26
2-Nitrophenol
Concen: 44.257 ng
RT: 9.723 min Scan# 1129
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:139 Resp: 24451

Ion	Ratio	Lower	Upper
139	100		
109	62.3	43.0	64.6
65	65.0	47.4	71.2



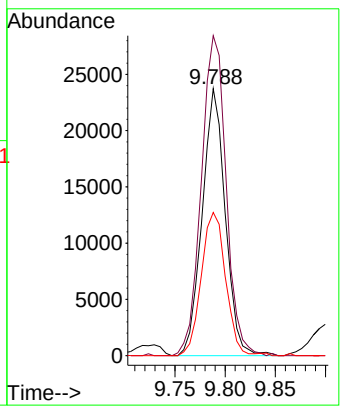


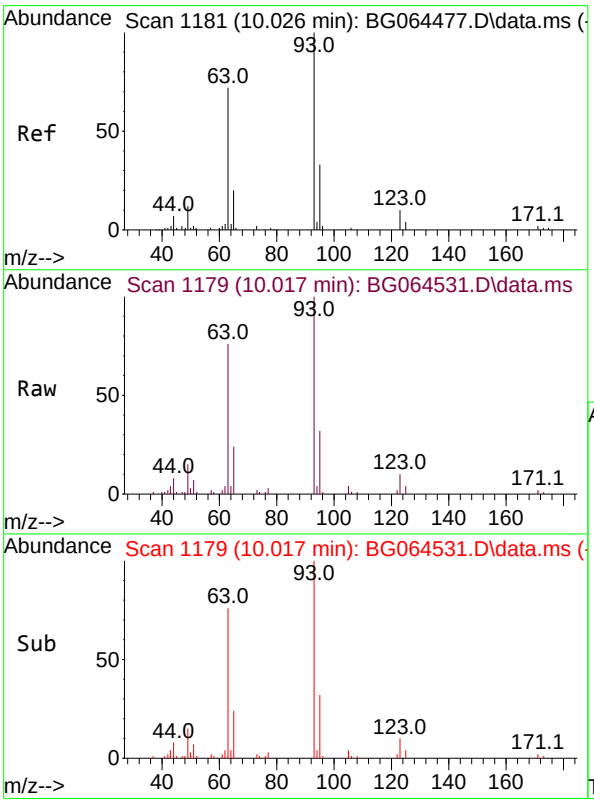
#27
2,4-Dimethylphenol
Concen: 44.967 ng
RT: 9.788 min Scan# 11
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 37945

Ion	Ratio	Lower	Upper
122	100		
107	119.9	98.3	147.5
121	53.6	44.7	67.1

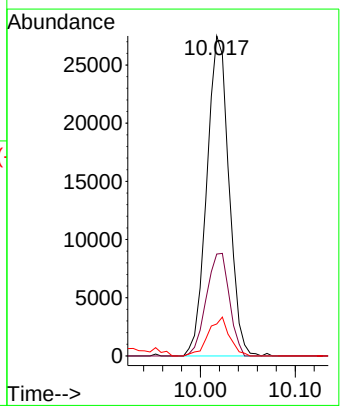


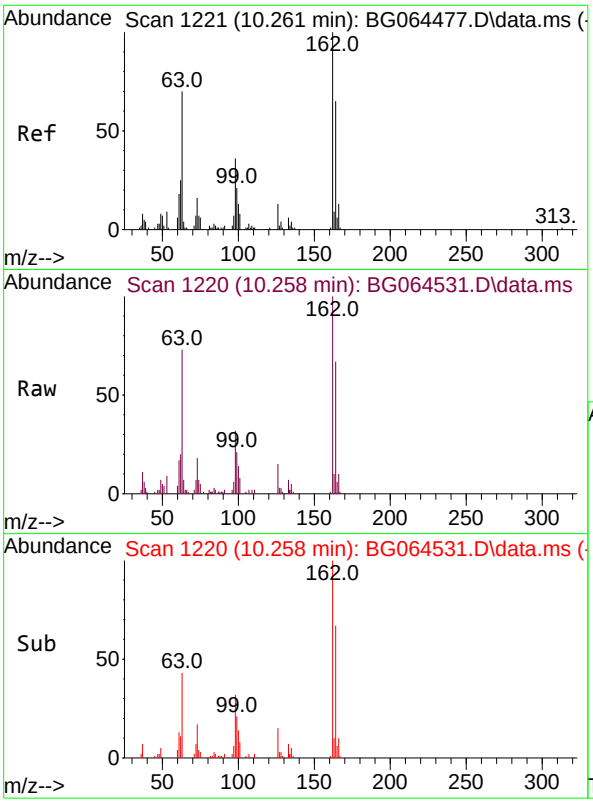


#28
bis(2-Chloroethoxy)methane
Concen: 43.361 ng
RT: 10.017 min Scan# 1179
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion: 93 Resp: 44572

Ion	Ratio	Lower	Upper
93	100		
95	31.8	26.5	39.7
123	10.0	8.9	13.3



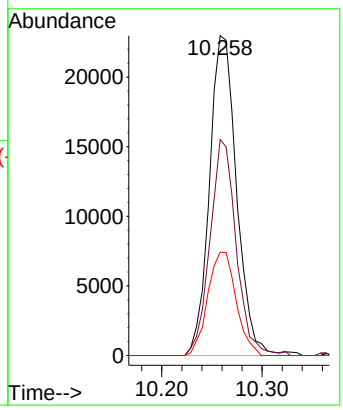


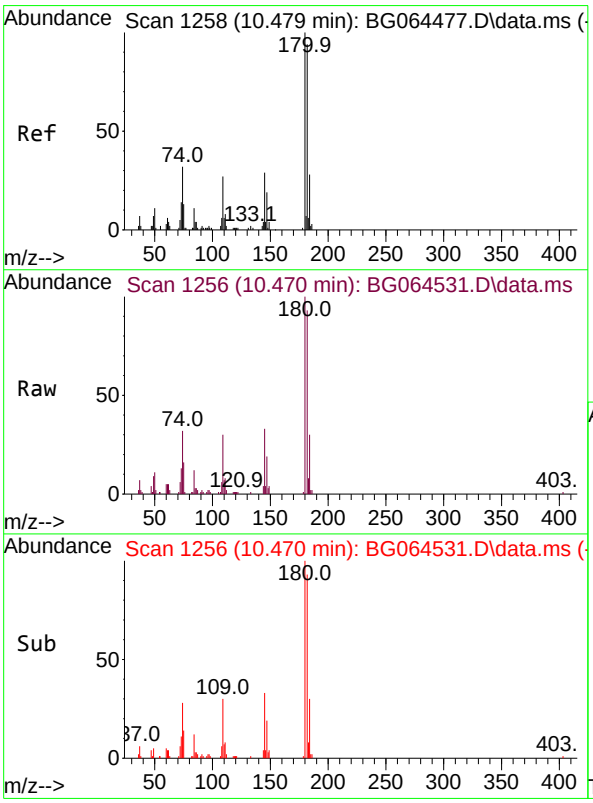
#29
2,4-Dichlorophenol
Concen: 44.252 ng
RT: 10.258 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 43181

Ion	Ratio	Lower	Upper
162	100		
164	67.5	45.4	85.4
98	32.3	16.4	56.4

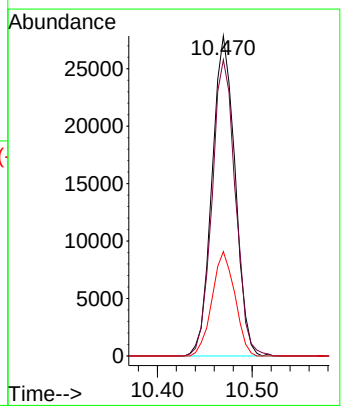


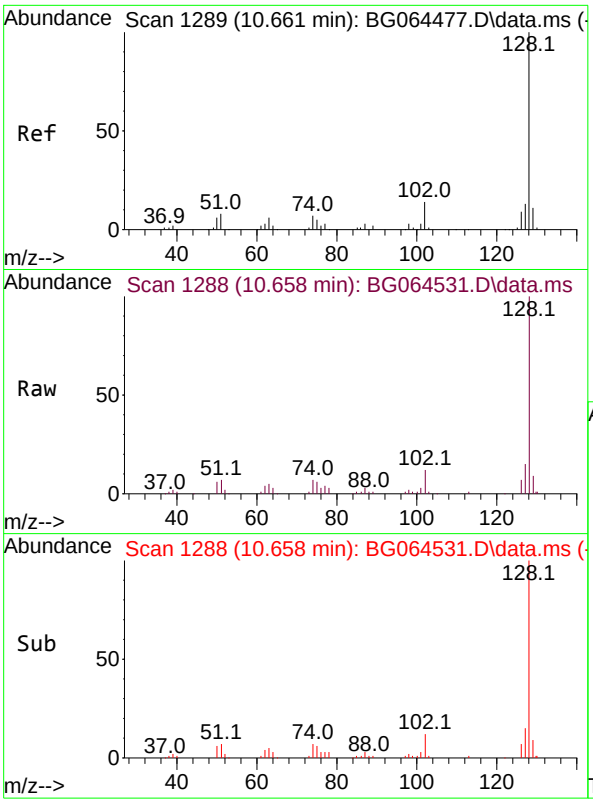


#30
1,2,4-Trichlorobenzene
Concen: 44.147 ng
RT: 10.470 min Scan# 1256
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:180 Resp: 46971

Ion	Ratio	Lower	Upper
180	100		
182	92.5	75.4	113.2
145	32.6	23.2	34.8



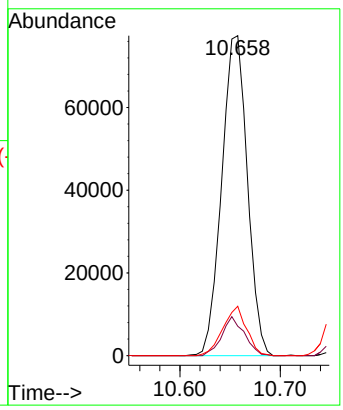


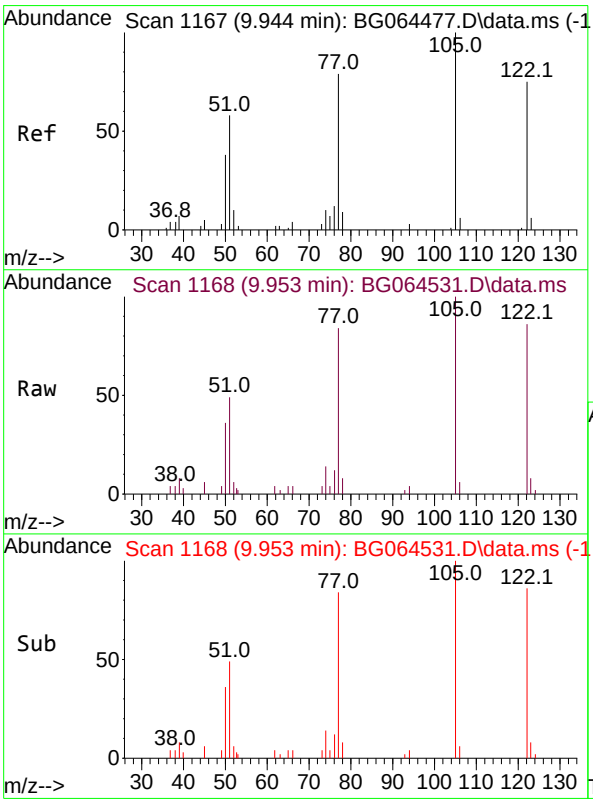
#31
Naphthalene
Concen: 44.614 ng
RT: 10.658 min Scan# 11
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 137511

Ion	Ratio	Lower	Upper
128	100		
129	9.2	8.7	13.1
127	15.4	10.2	15.2#

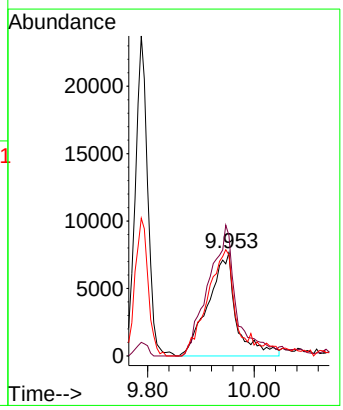


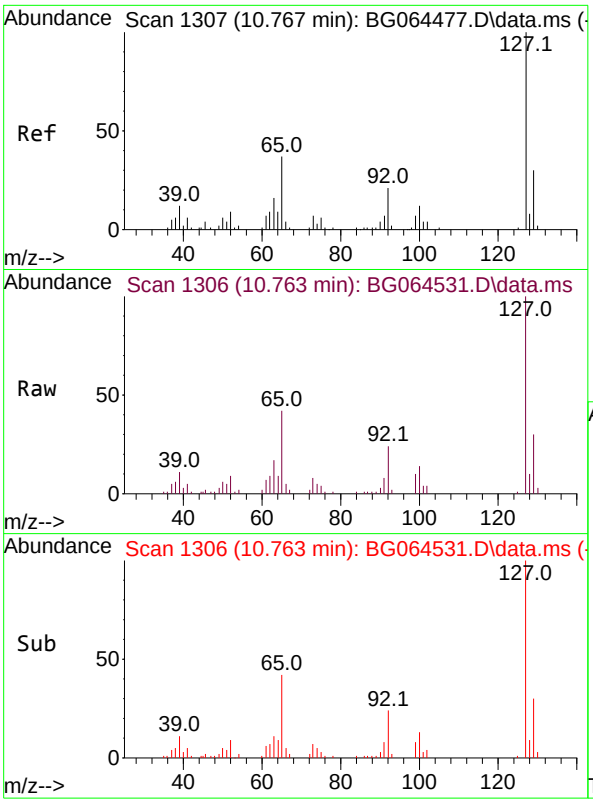


#32
Benzoic acid
Concen: 42.654 ng
RT: 9.953 min Scan# 1168
Delta R.T. 0.064 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:122 Resp: 27634

Ion	Ratio	Lower	Upper
122	100		
105	116.4	113.9	153.9
77	97.8	86.1	126.1



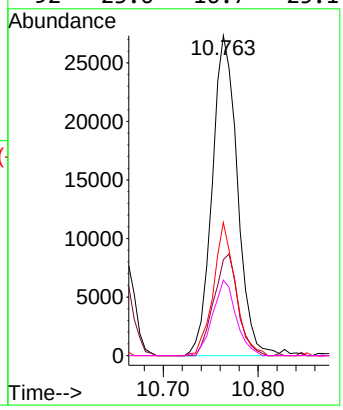


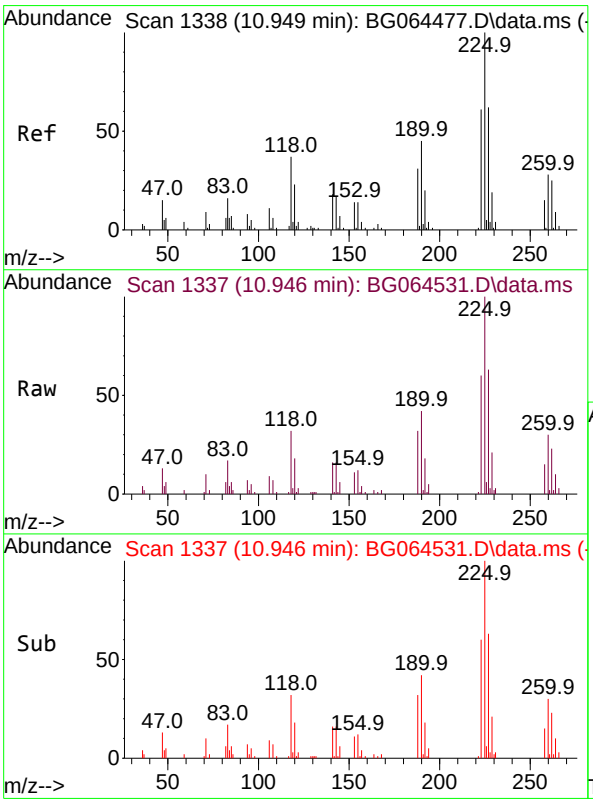
#33
4-Chloroaniline
Concen: 42.656 ng
RT: 10.763 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 50451

Ion	Ratio	Lower	Upper
127	100		
129	30.0	24.2	36.4
65	41.6	29.6	44.4
92	23.6	16.7	25.1

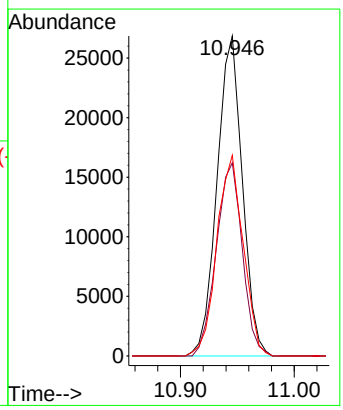


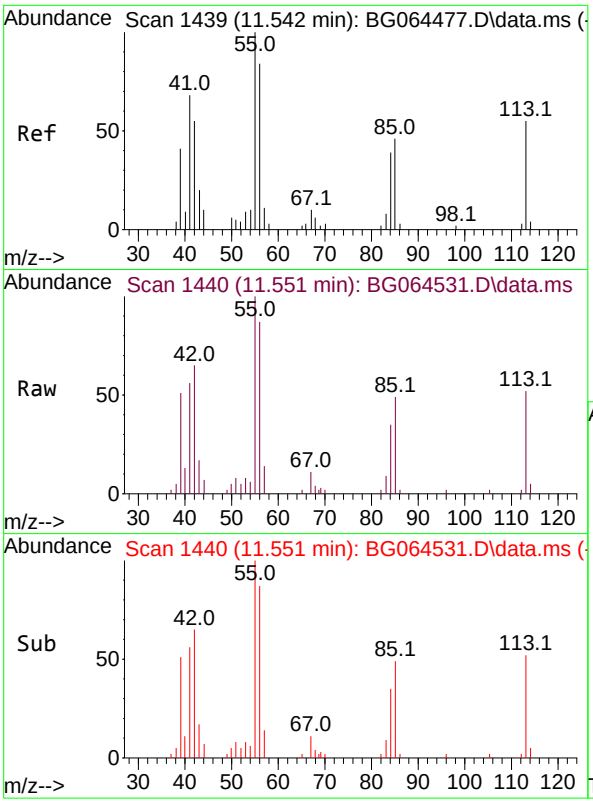


#34
Hexachlorobutadiene
Concen: 45.651 ng
RT: 10.946 min Scan# 1337
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:225 Resp: 41597

Ion	Ratio	Lower	Upper
225	100		
223	60.3	49.0	73.6
227	62.7	49.9	74.9



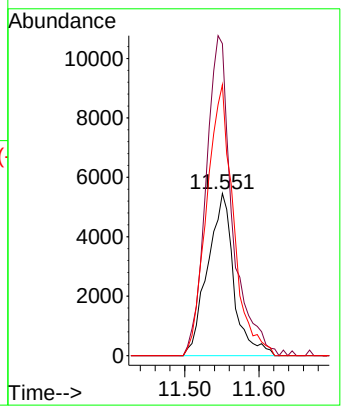


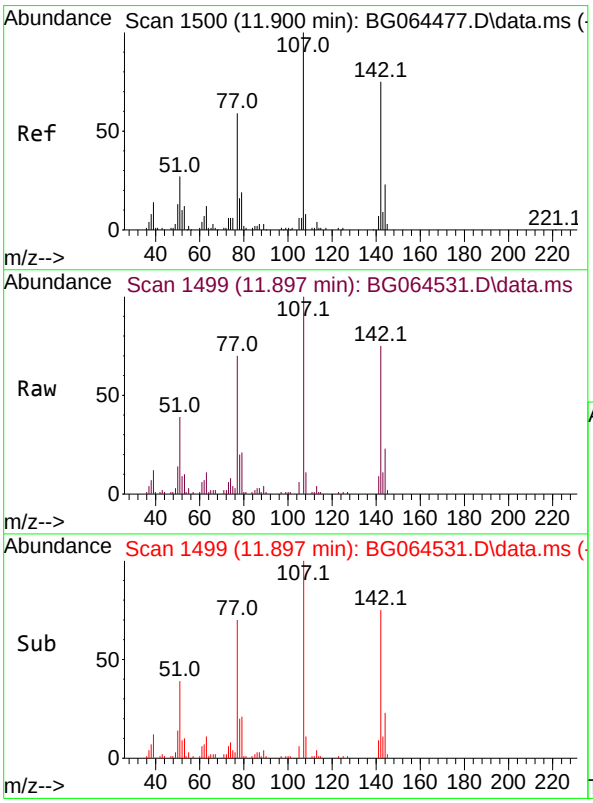
#35
Caprolactam
Concen: 39.951 ng
RT: 11.551 min Scan# 14
Delta R.T. 0.040 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 13346

Ion	Ratio	Lower	Upper
113	100		
55	192.4	162.0	202.0
56	167.0	134.6	174.6

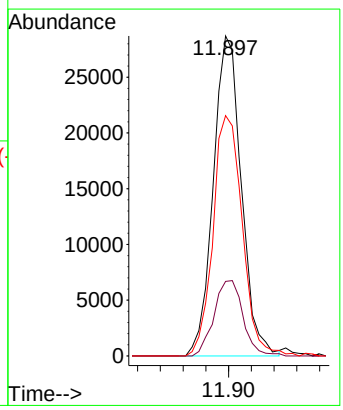


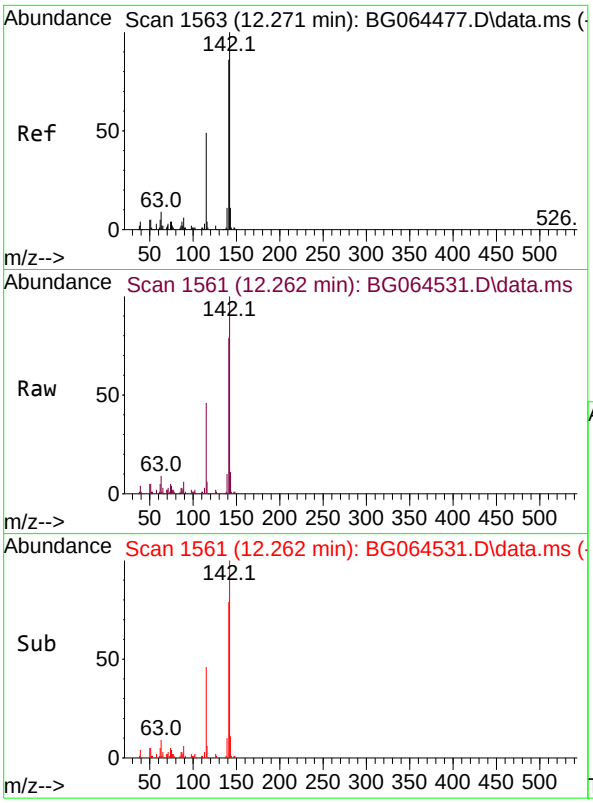


#36
4-Chloro-3-methylphenol
Concen: 41.441 ng
RT: 11.897 min Scan# 1499
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:107 Resp: 49176

Ion	Ratio	Lower	Upper
107	100		
144	23.3	18.7	28.1
142	75.1	60.2	90.2



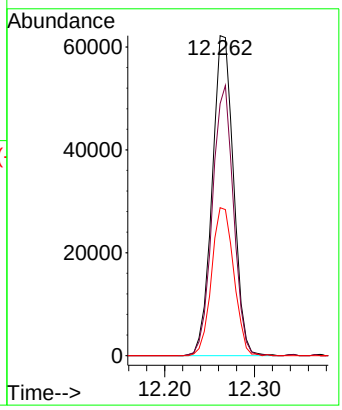


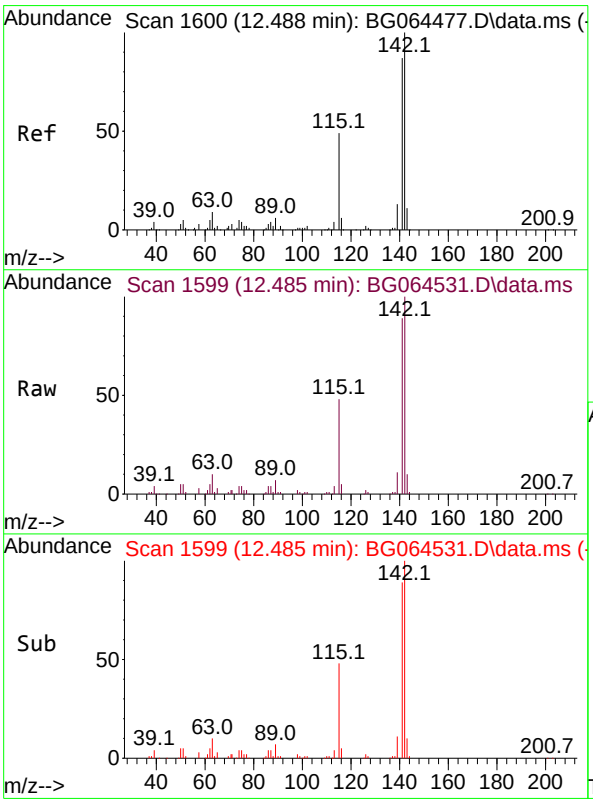
#37
2-Methylnaphthalene
Concen: 43.504 ng
RT: 12.262 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 102929

Ion	Ratio	Lower	Upper
142	100		
141	78.7	68.7	103.1
115	46.3	39.3	58.9

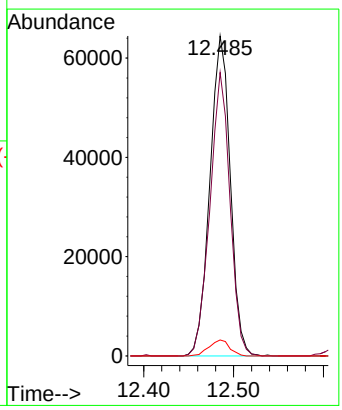


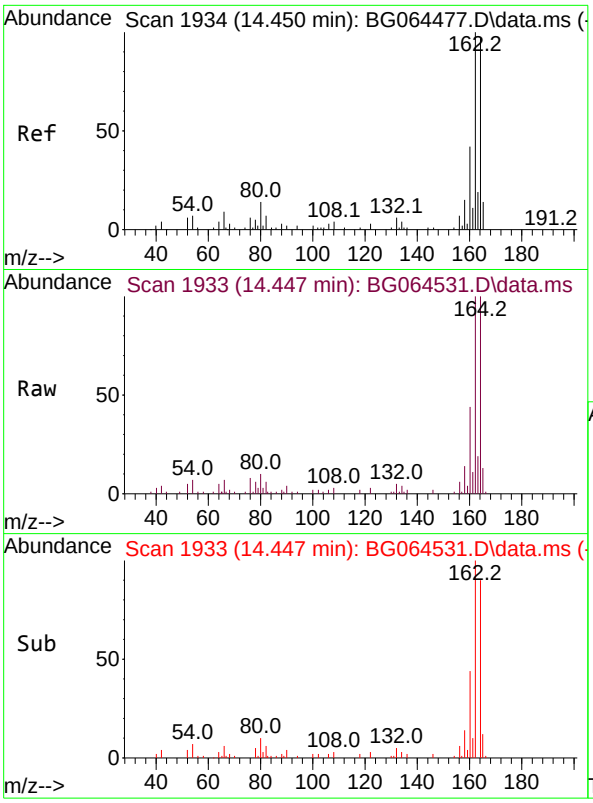


#38
1-Methylnaphthalene
Concen: 43.239 ng
RT: 12.485 min Scan# 1599
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:142 Resp: 102009

Ion	Ratio	Lower	Upper
142	100		
141	88.6	69.8	104.8
116	5.0	4.6	6.8



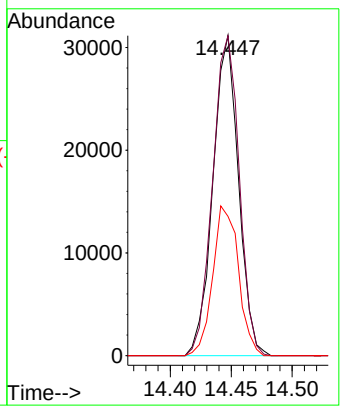


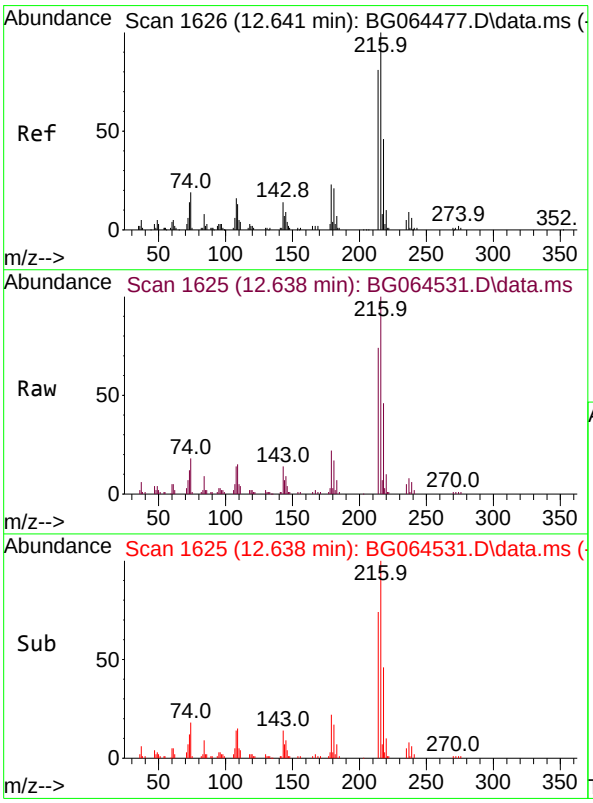
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.447 min Scan# 19
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 45410

Ion	Ratio	Lower	Upper
164	100		
162	99.9	82.2	123.2
160	43.5	34.3	51.5

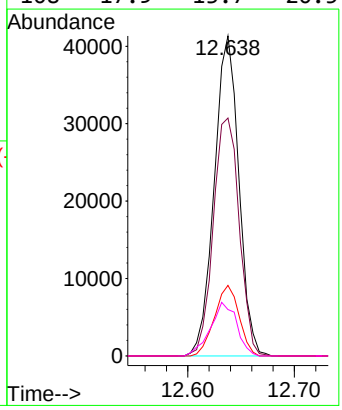


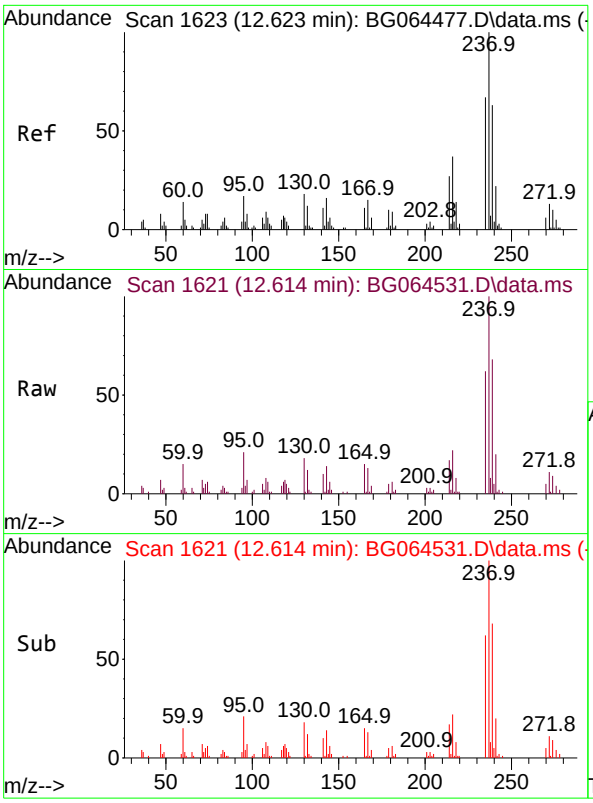


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.163 ng
RT: 12.638 min Scan# 1625
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:216 Resp: 66219

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.5	93.7
179	22.0	17.0	25.6
108	17.9	13.7	20.5



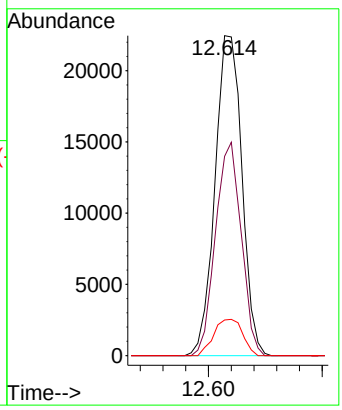


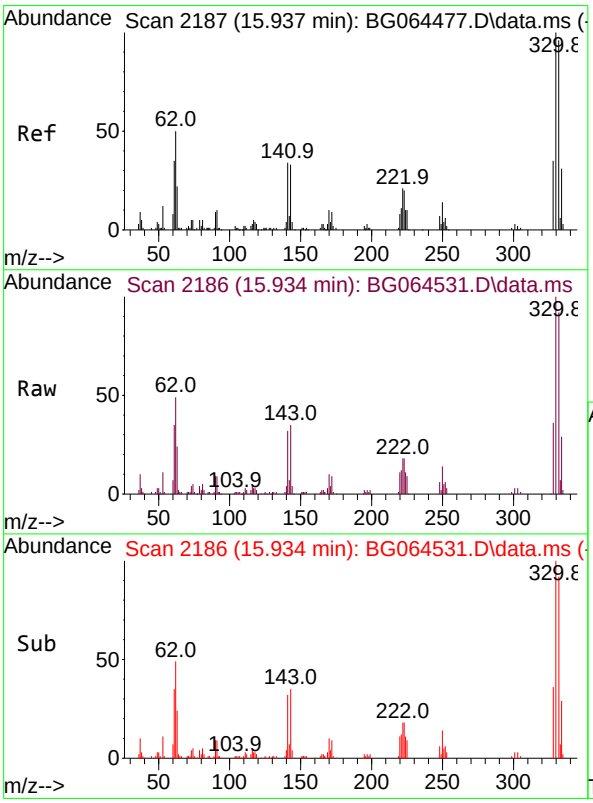
#41
Hexachlorocyclopentadiene
Concen: 48.026 ng
RT: 12.614 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 36834

Ion	Ratio	Lower	Upper
237	100		
235	62.3	46.9	86.9
272	11.1	0.0	32.6

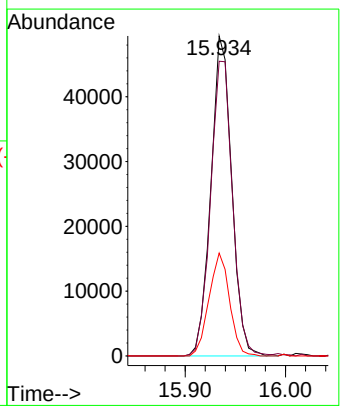


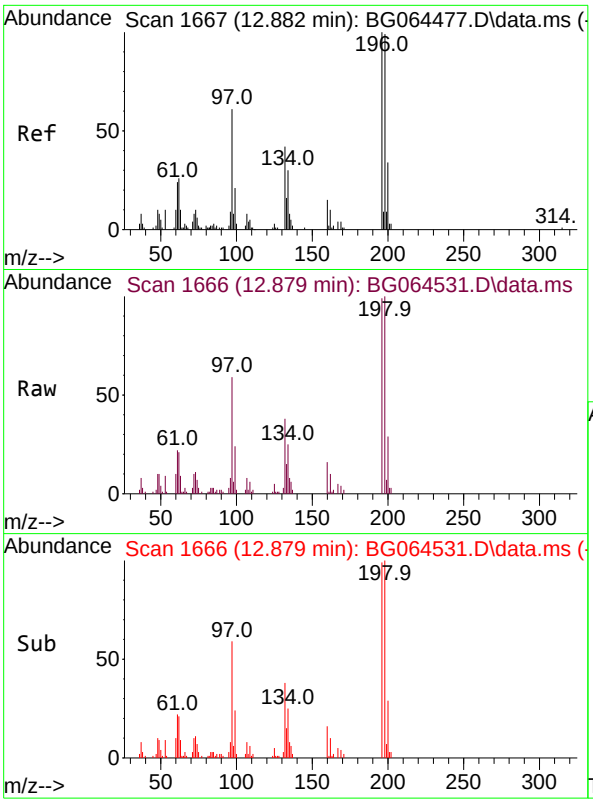


#42
2,4,6-Tribromophenol
Concen: 86.562 ng
RT: 15.934 min Scan# 2186
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:330 Resp: 71251

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.4	116.0
141	31.6	25.8	38.6



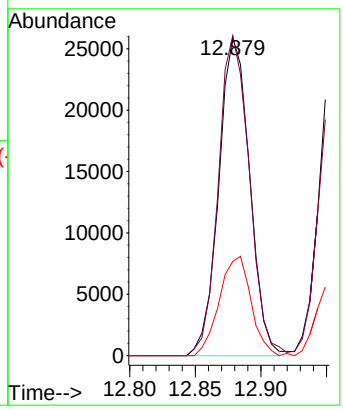


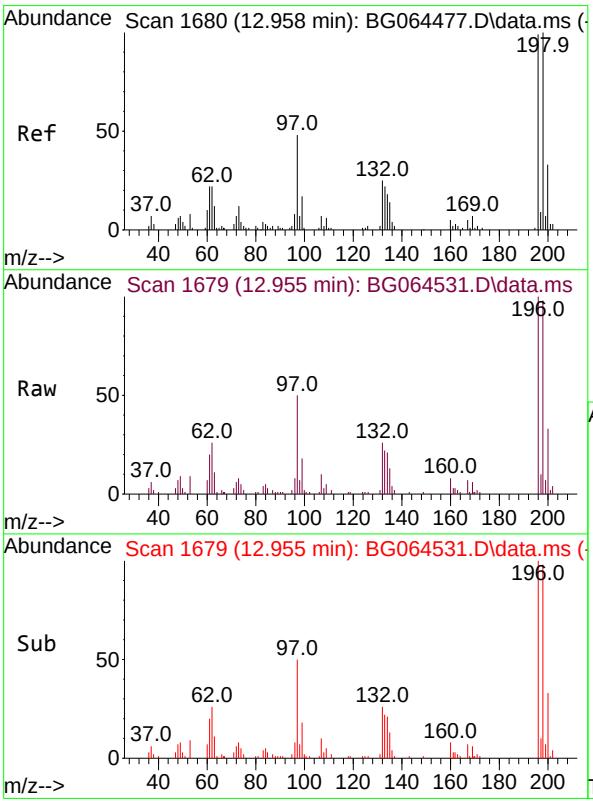
#43
2,4,6-Trichlorophenol
Concen: 45.109 ng
RT: 12.879 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 42280

Ion	Ratio	Lower	Upper
196	100		
198	100.6	79.3	118.9
200	29.6	27.4	41.2

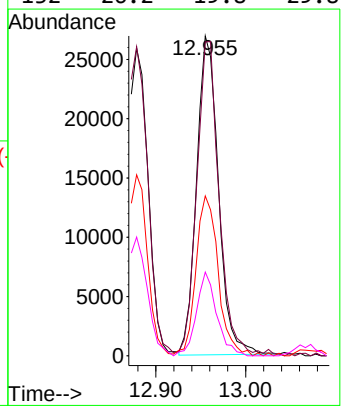


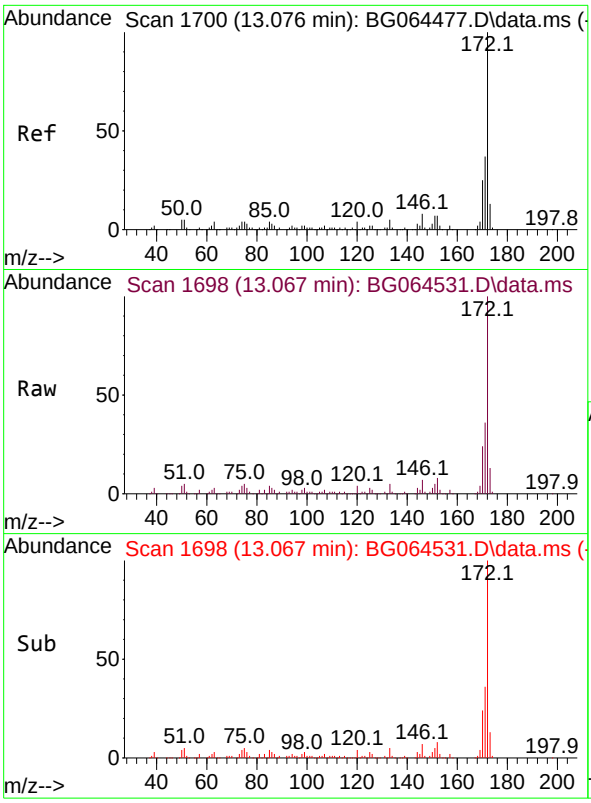


#44
2,4,5-Trichlorophenol
Concen: 43.563 ng
RT: 12.955 min Scan# 1679
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:196 Resp: 45585

Ion	Ratio	Lower	Upper
196	100		
198	98.1	80.3	120.5
97	50.0	39.4	59.0
132	26.2	19.8	29.8



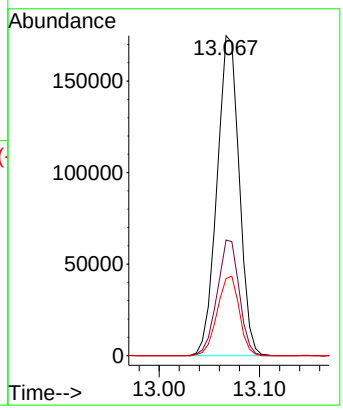


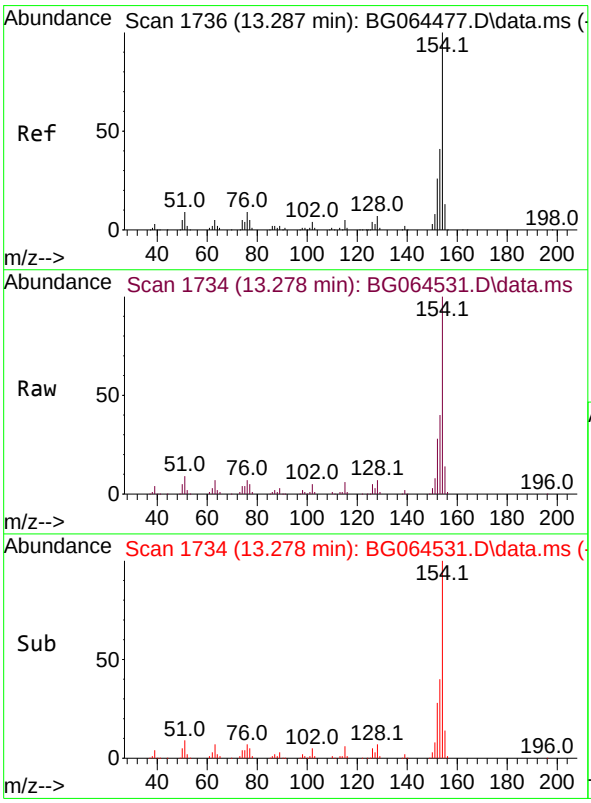
#45
2-Fluorobiphenyl
Concen: 87.309 ng
RT: 13.067 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 268974

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	24.1	20.2	30.2

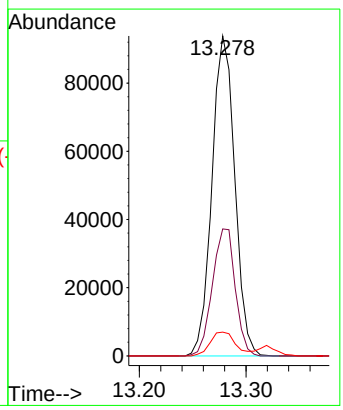


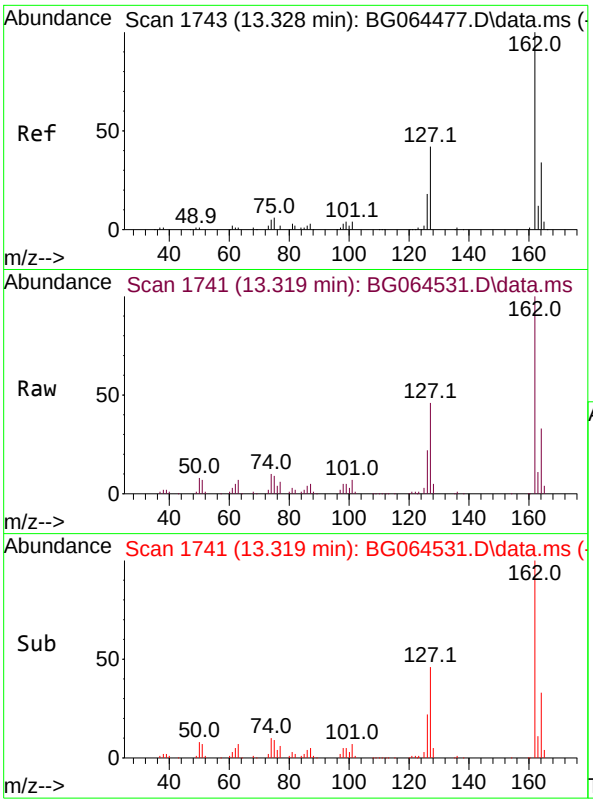


#46
1,1'-Biphenyl
Concen: 42.804 ng
RT: 13.278 min Scan# 1734
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:154 Resp: 139801

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.7	60.7
76	7.5	0.0	29.3



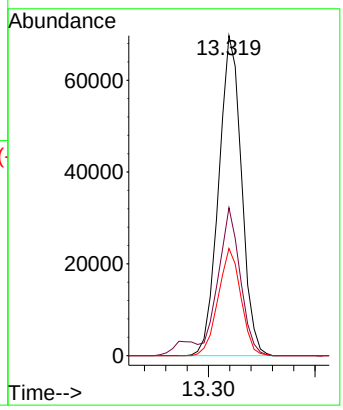


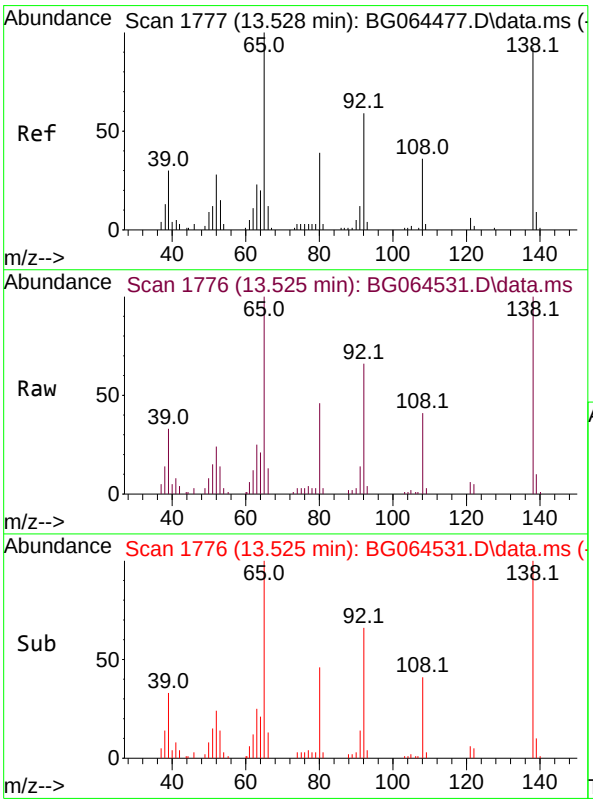
#47
2-Chloronaphthalene
Concen: 42.673 ng
RT: 13.319 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 104058

Ion	Ratio	Lower	Upper
162	100		
127	46.2	35.8	53.8
164	33.5	27.2	40.8

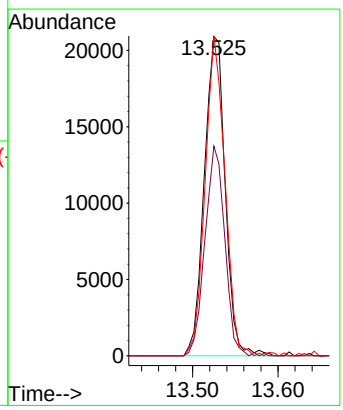


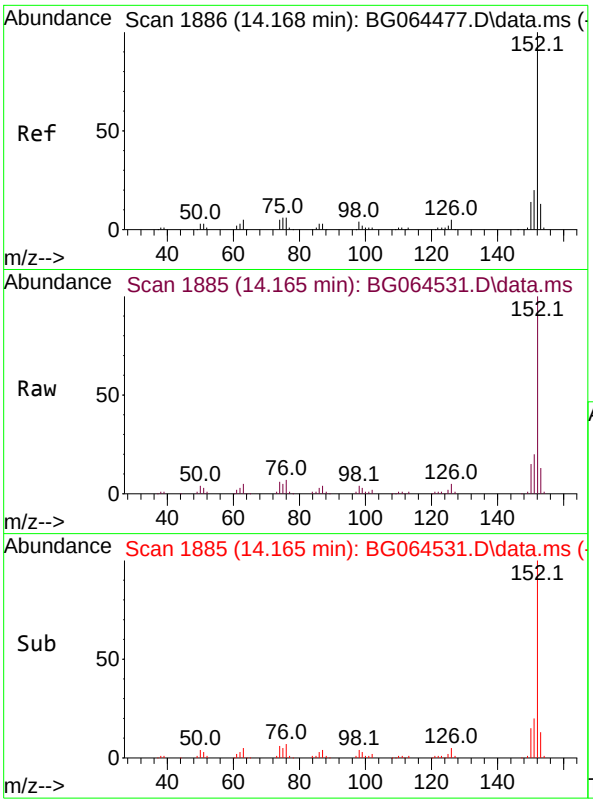


#48
2-Nitroaniline
Concen: 42.724 ng
RT: 13.525 min Scan# 1776
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion: 65 Resp: 35557

Ion	Ratio	Lower	Upper
65	100		
92	65.6	47.0	70.6
138	100.2	73.5	110.3



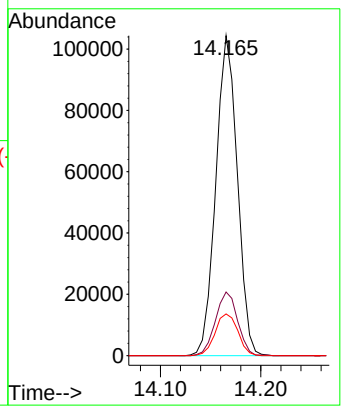


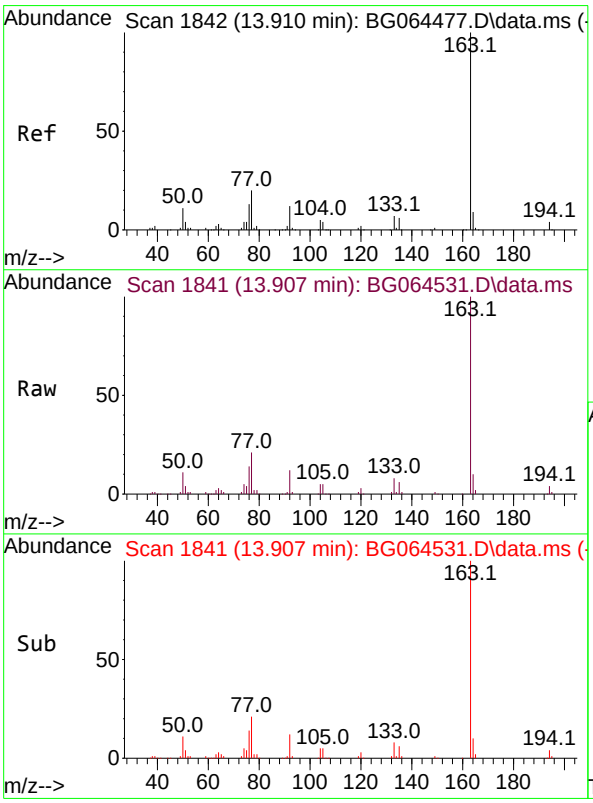
#49
Acenaphthylene
Concen: 43.015 ng
RT: 14.165 min Scan# 18
Delta R.T. -0.007 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 155707

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	13.0	10.6	15.8

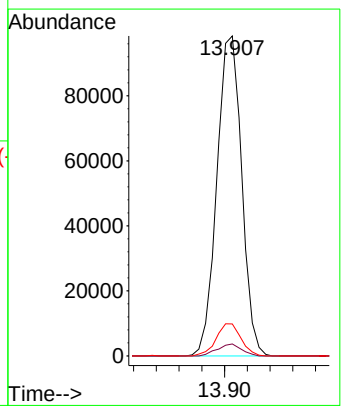


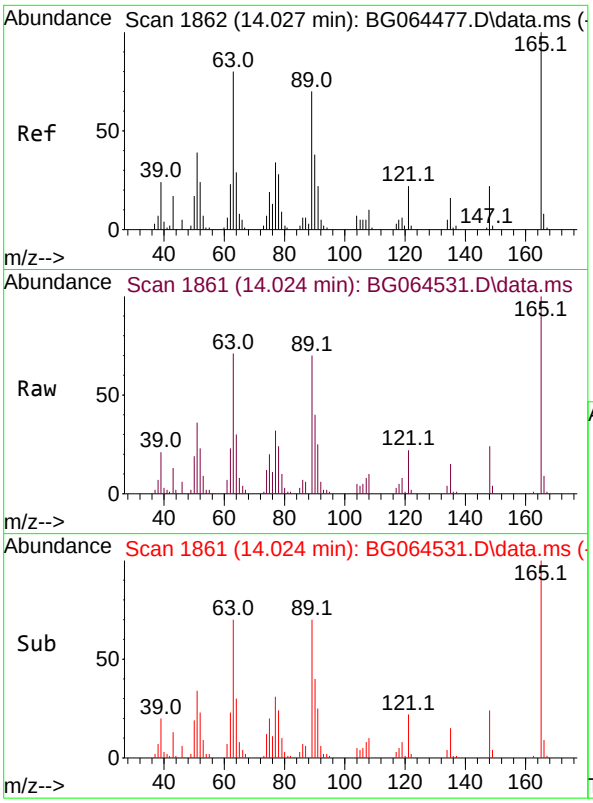


#50
Dimethylphthalate
Concen: 41.889 ng
RT: 13.907 min Scan# 1841
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:163 Resp: 148979

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.9	4.3
164	10.0	7.4	11.0



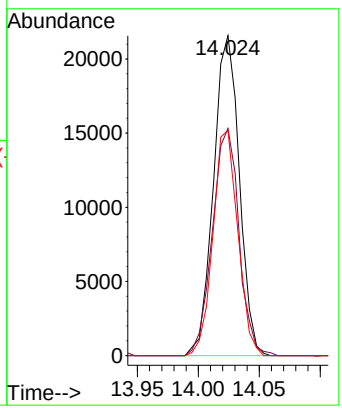


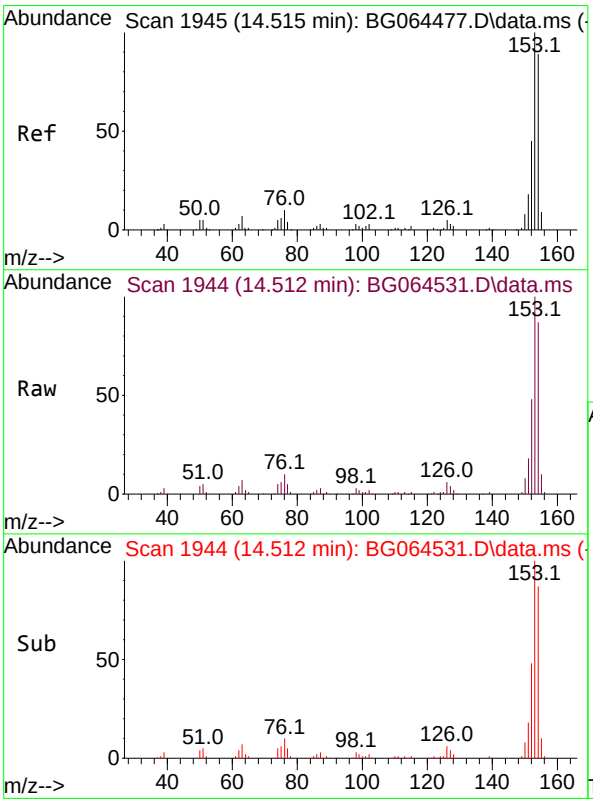
#51
2,6-Dinitrotoluene
Concen: 42.828 ng
RT: 14.024 min Scan# 18
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 31730

Ion	Ratio	Lower	Upper
165	100		
63	71.0	63.9	95.9
89	70.4	56.1	84.1

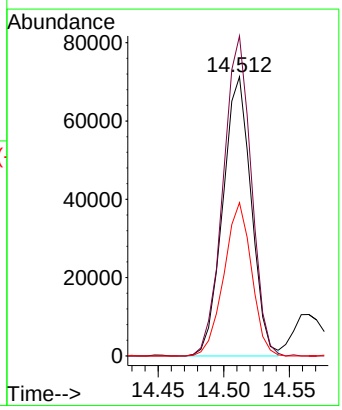


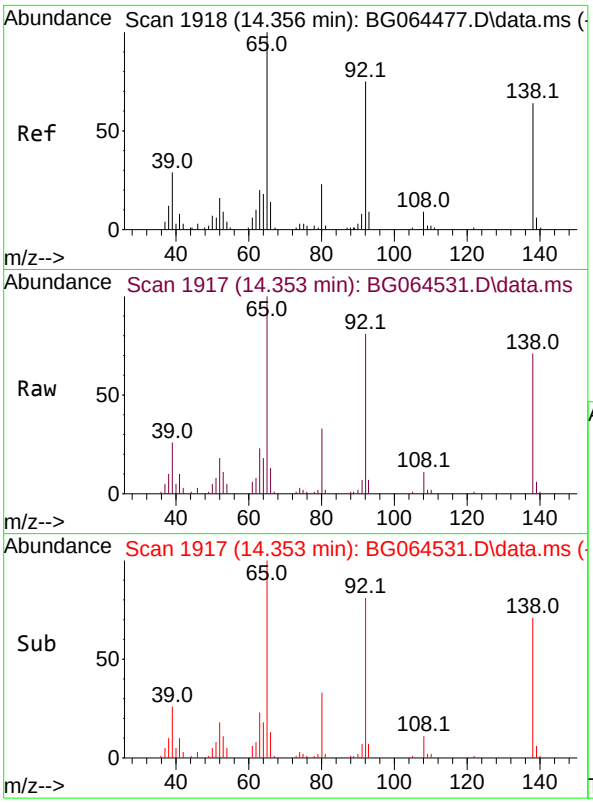


#52
Acenaphthene
Concen: 42.705 ng
RT: 14.512 min Scan# 1944
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:154 Resp: 107398

Ion	Ratio	Lower	Upper
154	100		
153	114.7	90.2	135.4
152	54.9	40.2	60.4



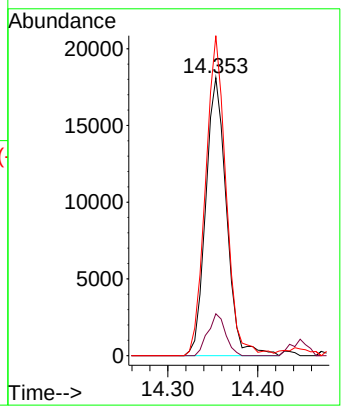


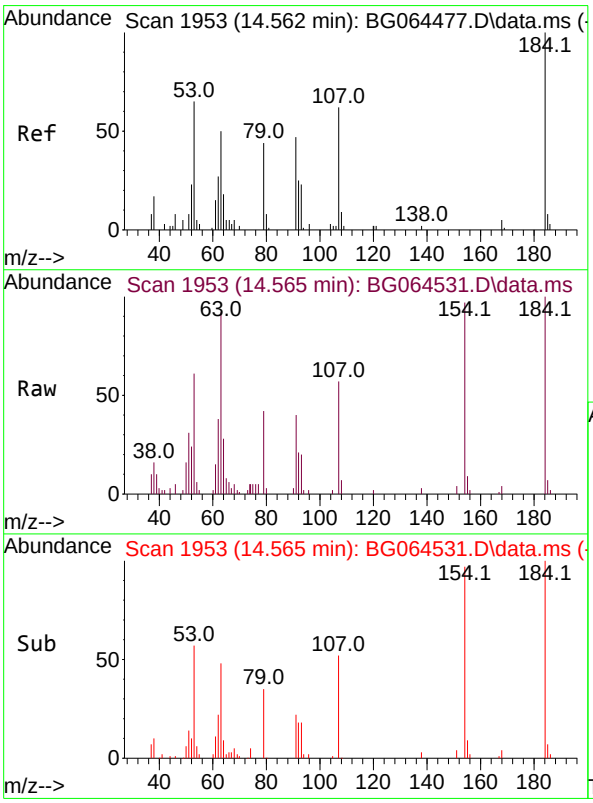
#53
3-Nitroaniline
Concen: 42.688 ng
RT: 14.353 min Scan# 19
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 29167

Ion	Ratio	Lower	Upper
138	100		
108	15.1	10.6	15.8
92	115.2	93.2	139.8

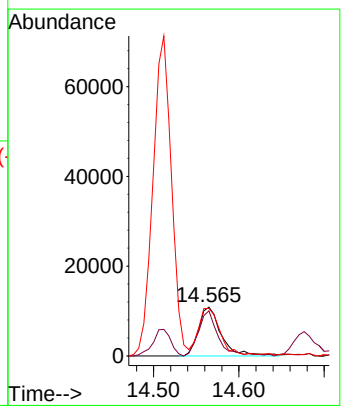


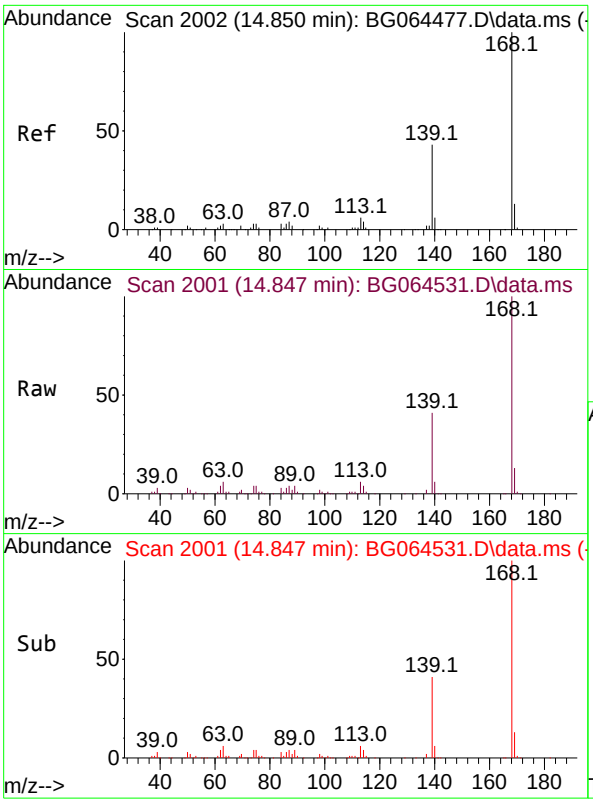


#54
2,4-Dinitrophenol
Concen: 37.192 ng
RT: 14.565 min Scan# 1953
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:184 Resp: 19980

Ion	Ratio	Lower	Upper
184	100		
63	92.4	69.0	103.4
154	97.3	95.6	143.4



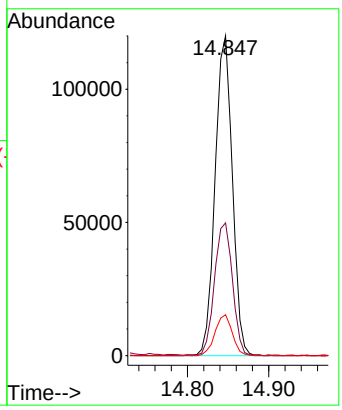


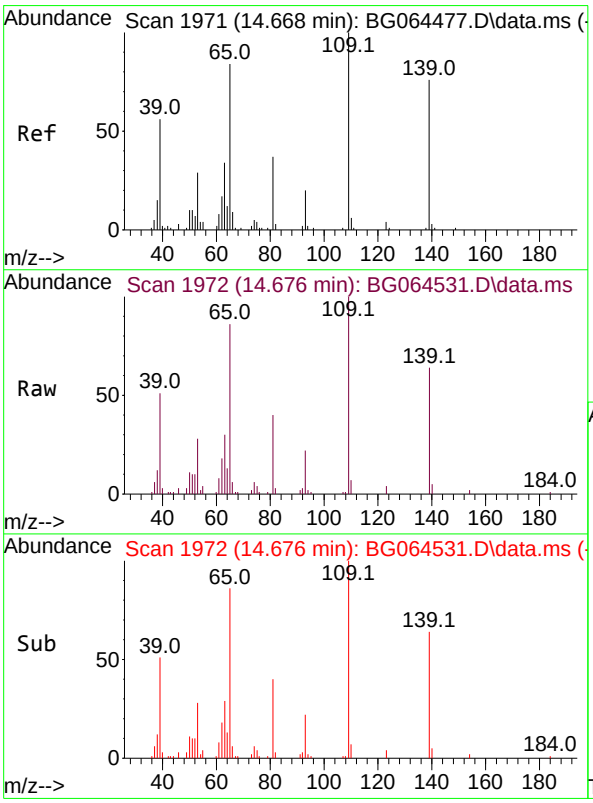
#55
Dibenzofuran
Concen: 42.500 ng
RT: 14.847 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 176477

Ion	Ratio	Lower	Upper
168	100		
139	41.5	34.0	51.0
169	12.8	10.2	15.2

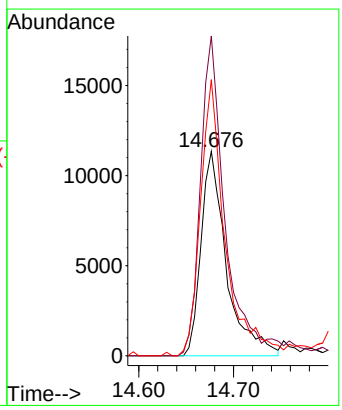


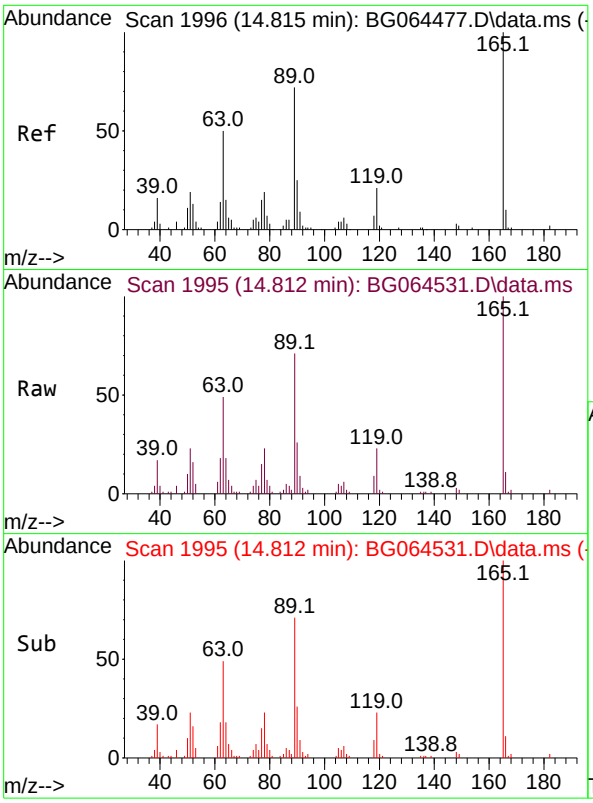


#56
4-Nitrophenol
Concen: 39.426 ng
RT: 14.676 min Scan# 1972
Delta R.T. 0.011 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:139 Resp: 21209

Ion	Ratio	Lower	Upper
139	100		
109	156.4	111.8	151.8#
65	135.0	91.1	131.1#



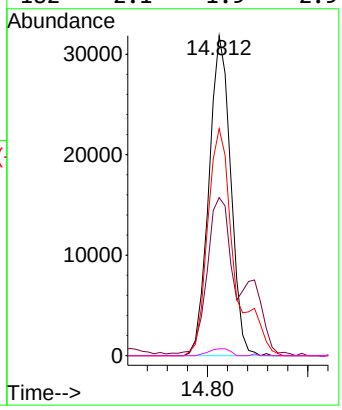


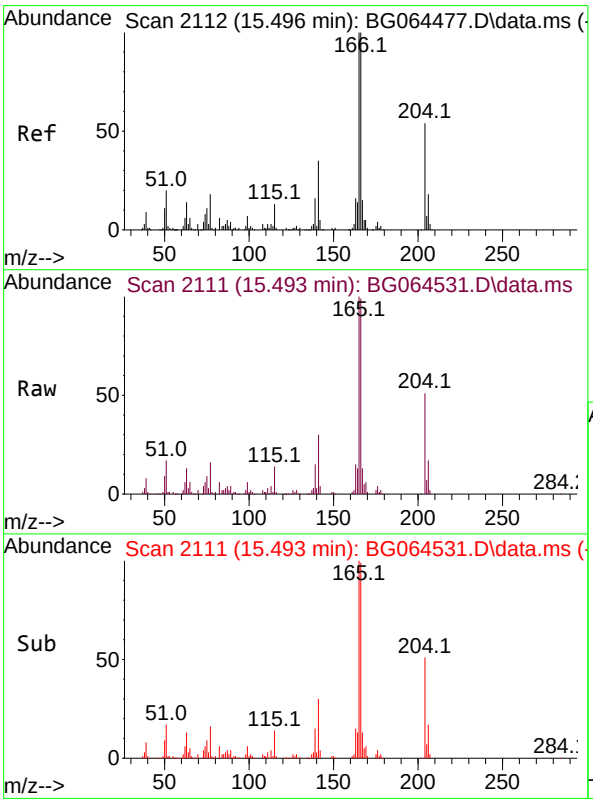
#57
2,4-Dinitrotoluene
Concen: 42.320 ng
RT: 14.812 min Scan# 19
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 47930

Ion	Ratio	Lower	Upper
165	100		
63	49.4	40.4	60.6
89	70.9	57.3	85.9
182	2.1	1.9	2.9

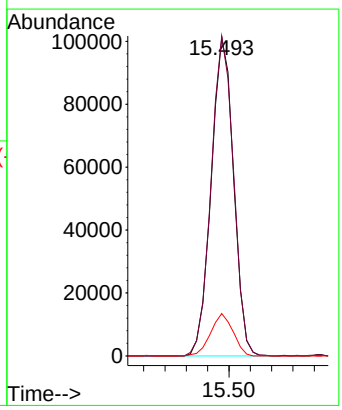


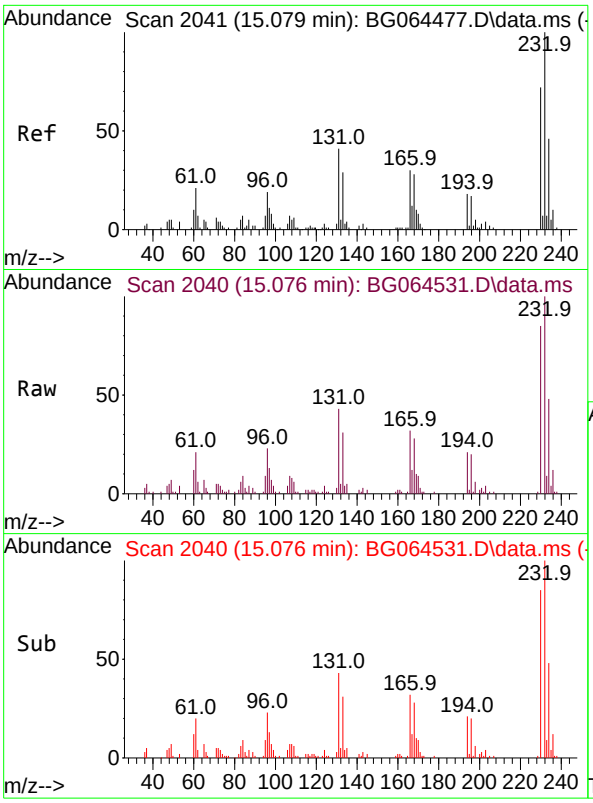


#58
Fluorene
Concen: 42.730 ng
RT: 15.493 min Scan# 2111
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:166 Resp: 147508

Ion	Ratio	Lower	Upper
166	100		
165	100.6	79.8	119.6
167	13.3	11.7	17.5



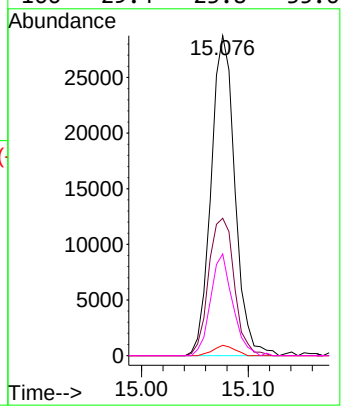


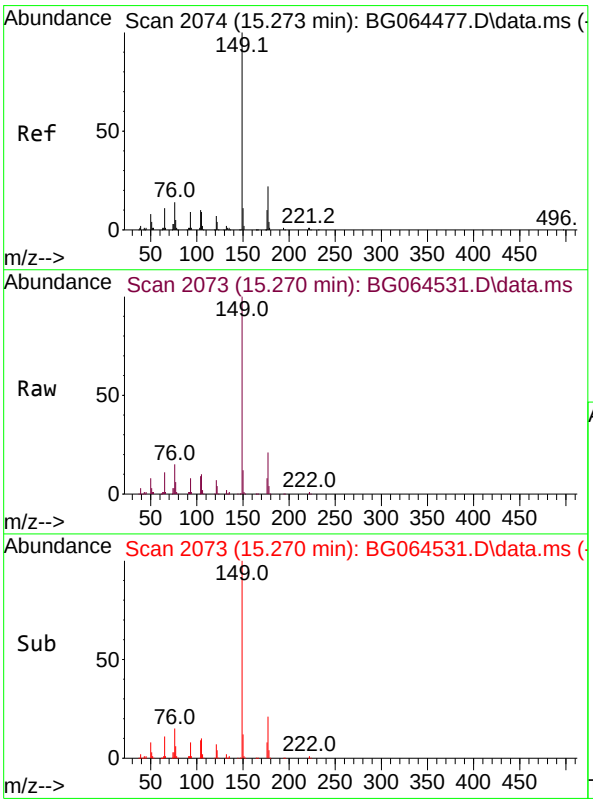
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.953 ng
RT: 15.076 min Scan# 20
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 44802

Ion	Ratio	Lower	Upper
232	100		
131	46.0	35.0	52.4
130	2.9	2.0	3.0
166	29.4	23.8	35.6

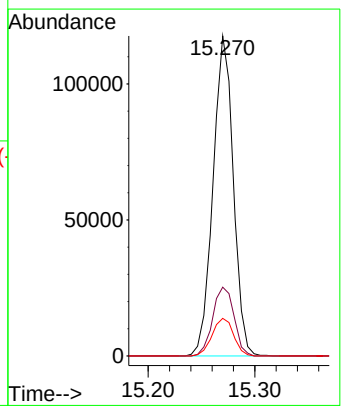


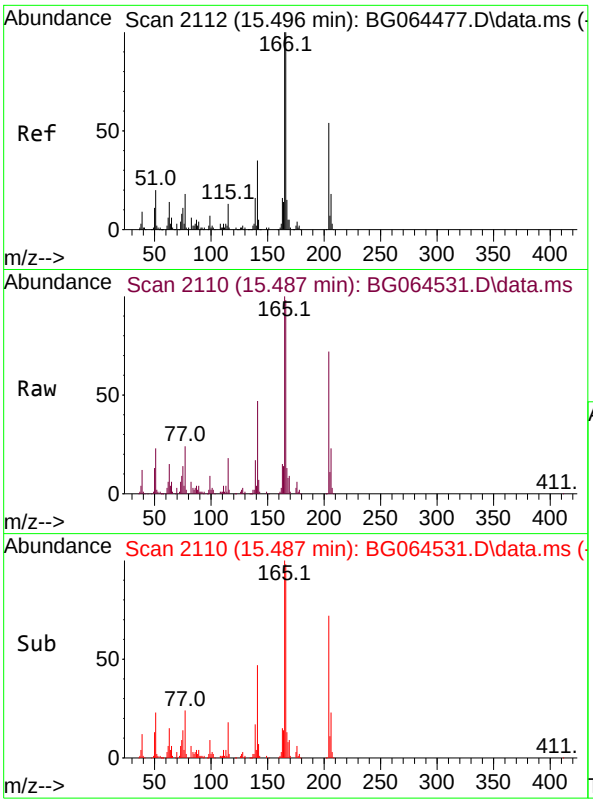


#60
Diethylphthalate
Concen: 40.816 ng
RT: 15.270 min Scan# 2073
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:149 Resp: 155724

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.4	26.0
150	11.7	9.1	13.7



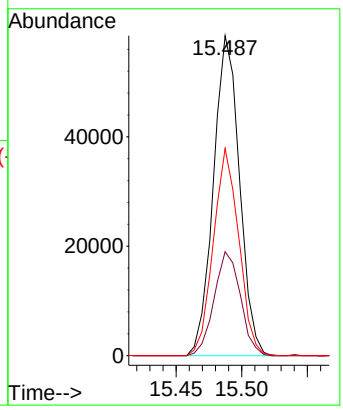


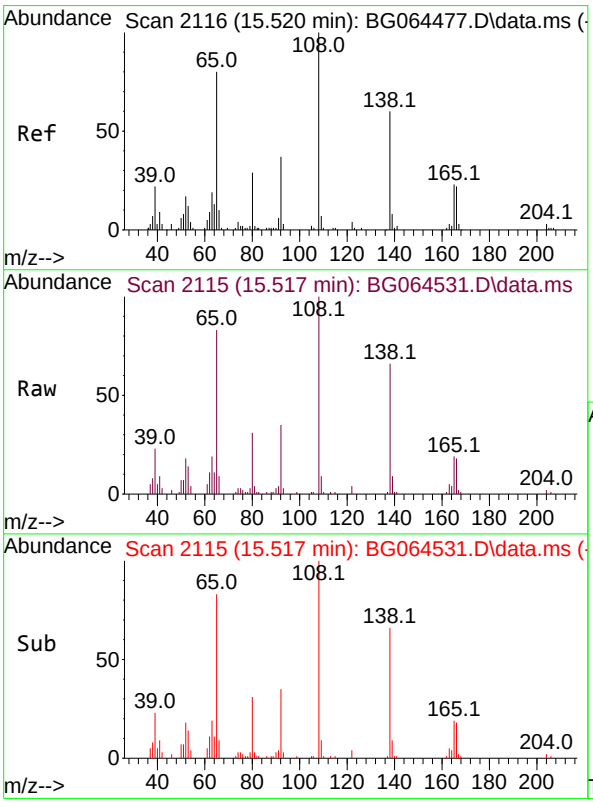
#61
4-Chlorophenyl-phenylether
Concen: 42.856 ng
RT: 15.487 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 80769

Ion	Ratio	Lower	Upper
204	100		
206	32.5	27.1	40.7
141	64.7	51.5	77.3

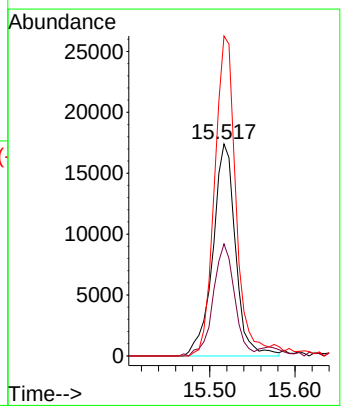


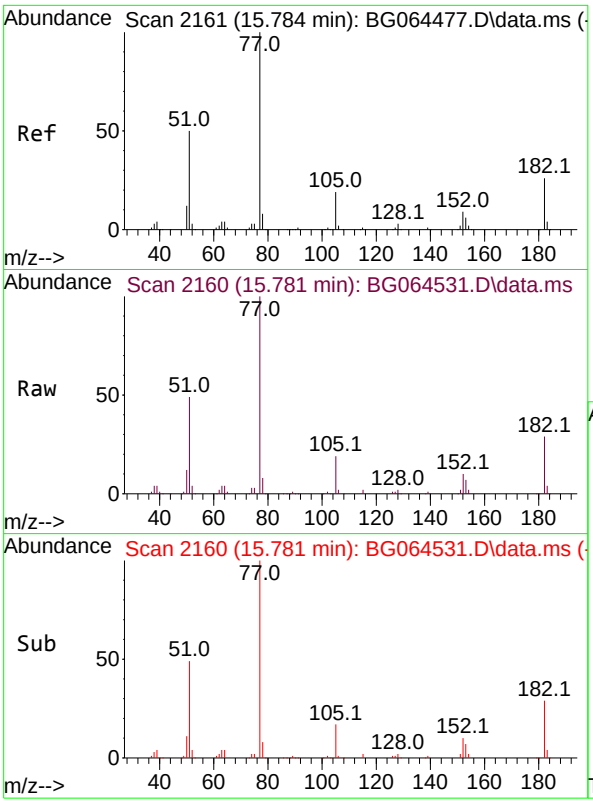


#62
4-Nitroaniline
Concen: 45.075 ng
RT: 15.517 min Scan# 2115
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:138 Resp: 32100

Ion	Ratio	Lower	Upper
138	100		
92	52.8	42.3	82.3
108	151.0	147.7	187.7



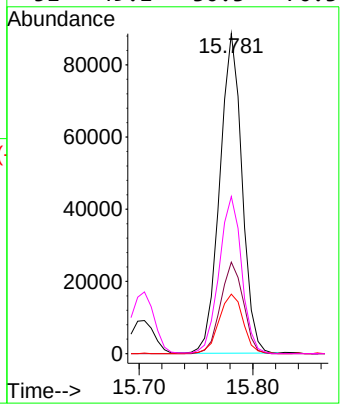


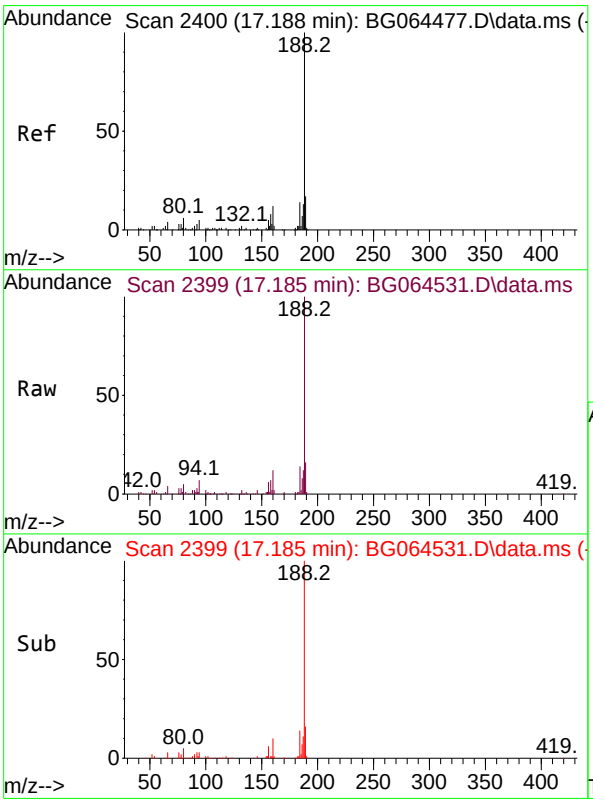
#63
Azobenzene
Concen: 40.756 ng
RT: 15.781 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 120424

Ion	Ratio	Lower	Upper
77	100		
182	28.6	6.3	46.3
105	18.6	0.0	38.7
51	49.1	30.3	70.3

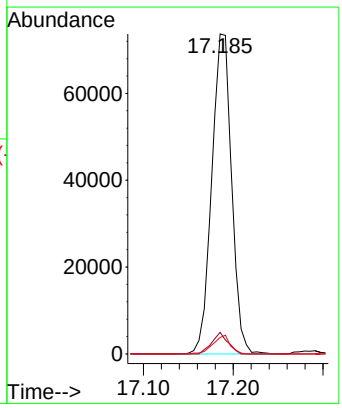


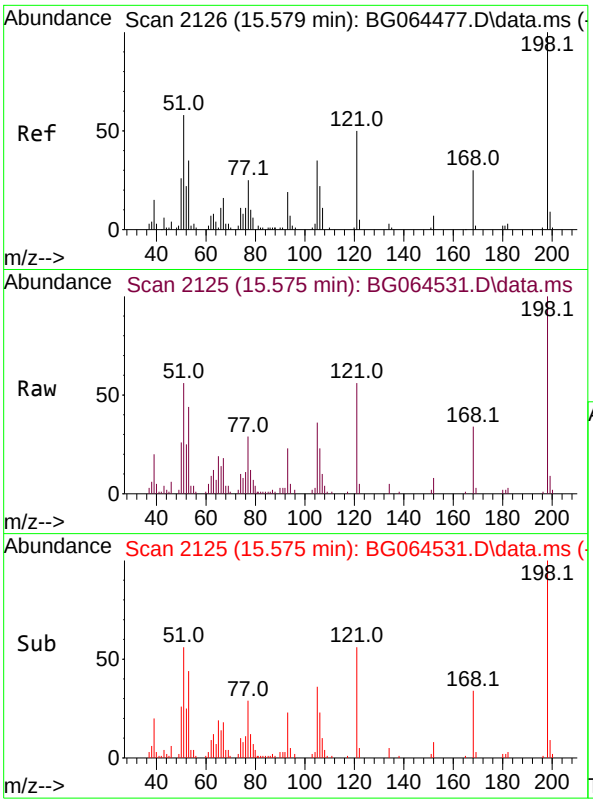


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.185 min Scan# 2399
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:188 Resp: 113433

Ion	Ratio	Lower	Upper
188	100		
94	6.7	3.7	5.5#
80	5.1	4.5	6.7



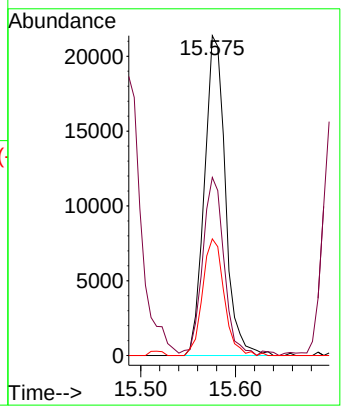


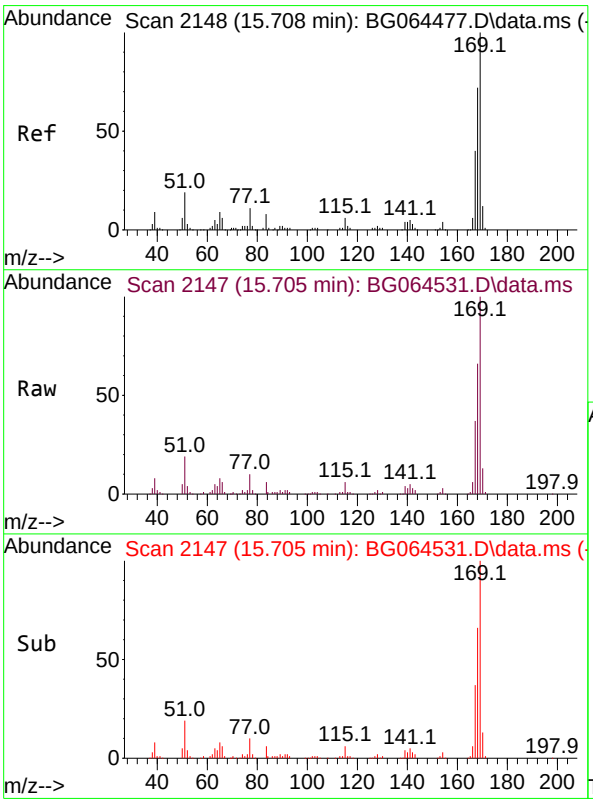
#65
4,6-Dinitro-2-methylphenol
Concen: 41.633 ng
RT: 15.575 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 32882

Ion	Ratio	Lower	Upper
198	100		
51	55.7	39.0	79.0
105	36.5	15.8	55.8

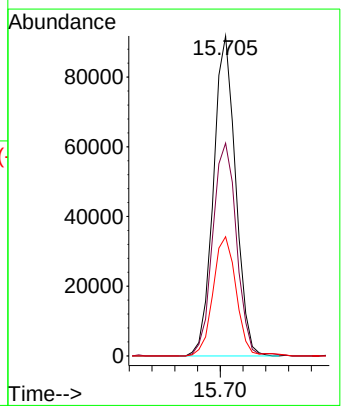


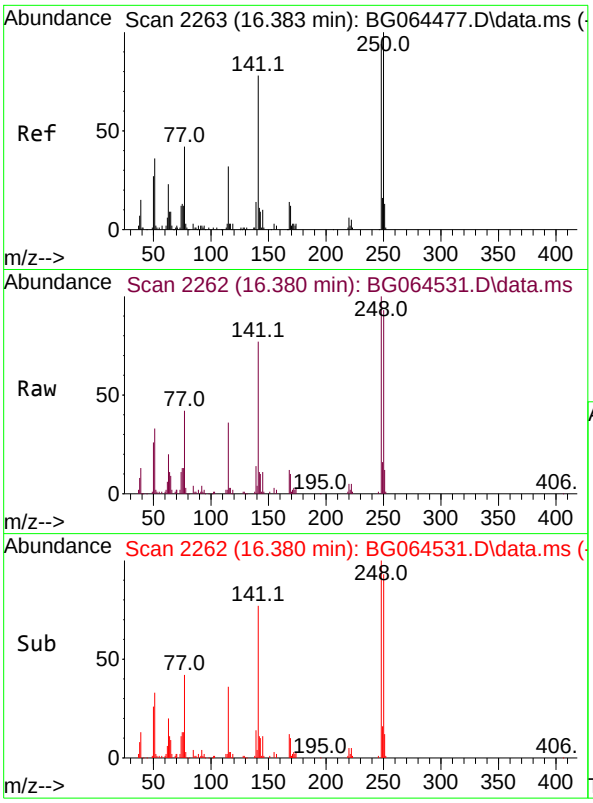


#66
n-Nitrosodiphenylamine
Concen: 41.056 ng
RT: 15.705 min Scan# 2147
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:169 Resp: 124364

Ion	Ratio	Lower	Upper
169	100		
168	66.5	57.8	86.6
167	37.2	31.7	47.5



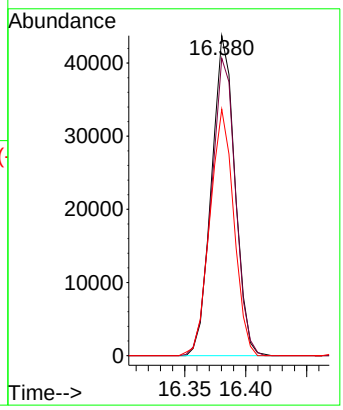


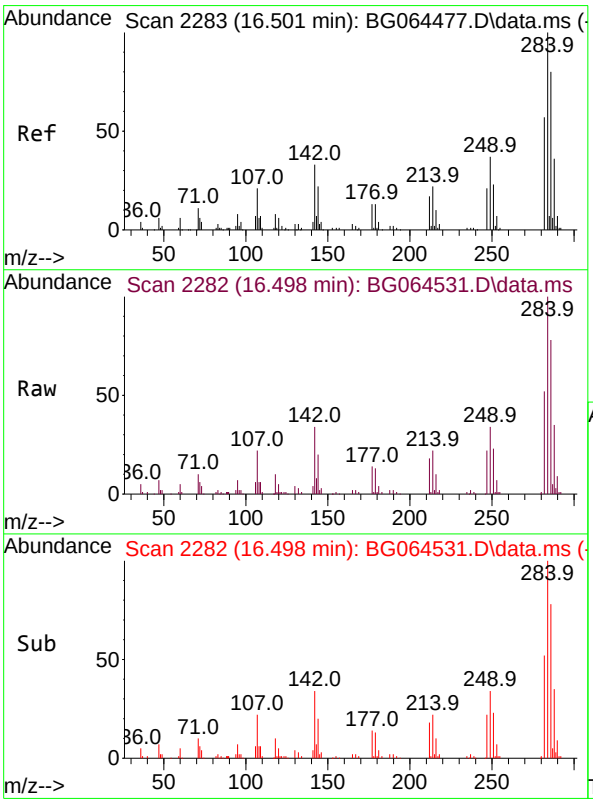
#67
4-Bromophenyl-phenylether
Concen: 43.772 ng
RT: 16.380 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 58429

Ion	Ratio	Lower	Upper
248	100		
250	92.9	85.3	127.9
141	77.0	66.2	99.2

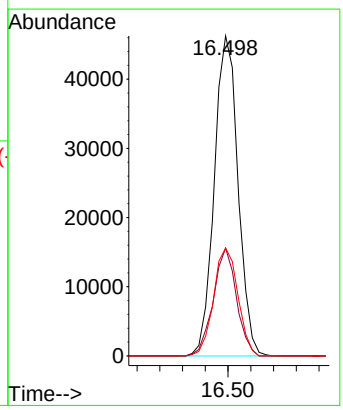


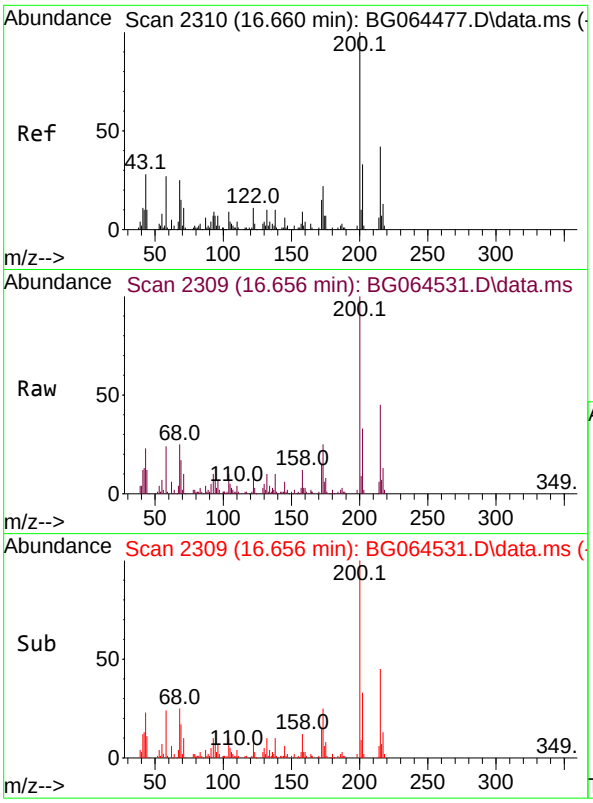


#68
Hexachlorobenzene
Concen: 43.813 ng
RT: 16.498 min Scan# 2282
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:284 Resp: 66922

Ion	Ratio	Lower	Upper
284	100		
142	33.6	26.2	39.2
249	33.7	29.4	44.0



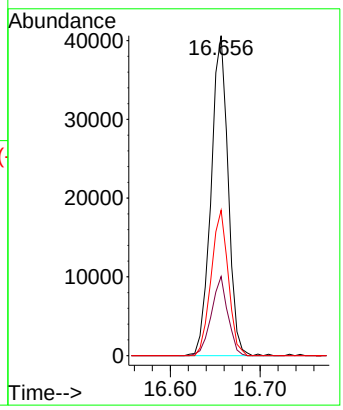


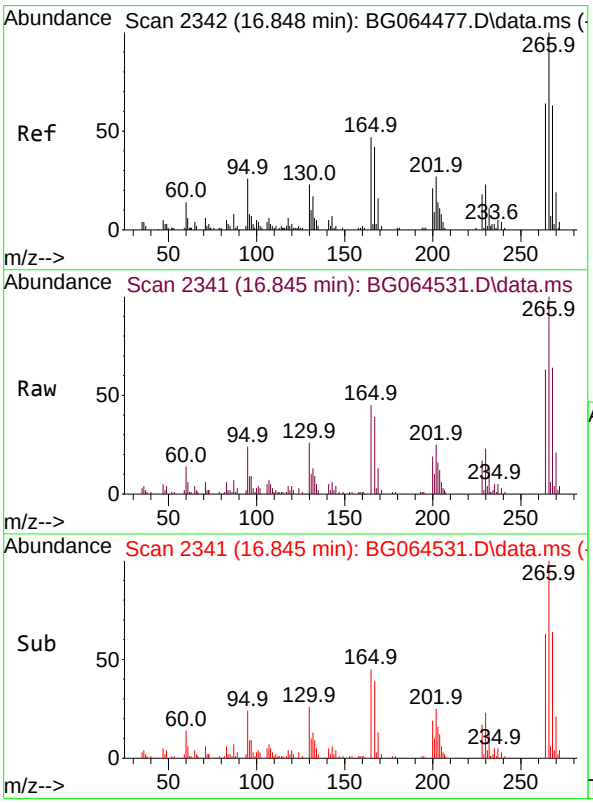
#69
Atrazine
Concen: 39.706 ng
RT: 16.656 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 53510

Ion	Ratio	Lower	Upper
200	100		
173	24.7	2.5	42.5
215	45.5	21.5	61.5

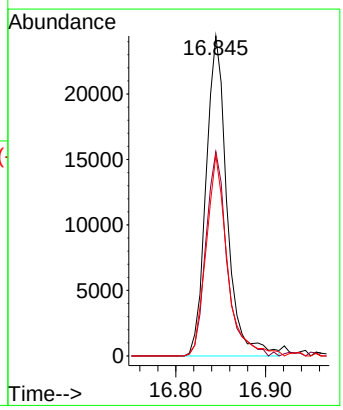


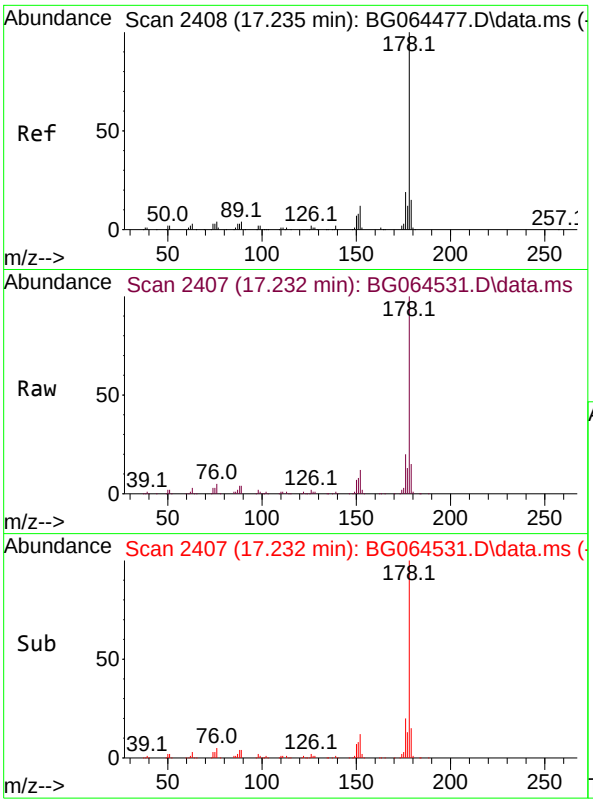


#70
Pentachlorophenol
Concen: 44.391 ng
RT: 16.845 min Scan# 2341
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:266 Resp: 39645

Ion	Ratio	Lower	Upper
266	100		
268	63.8	50.6	75.8
264	62.7	51.2	76.8



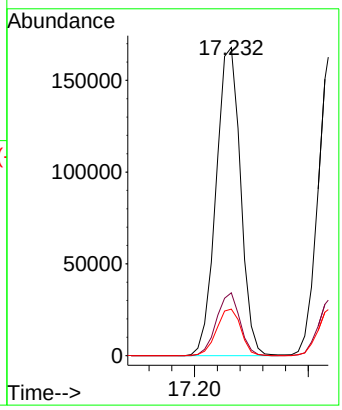


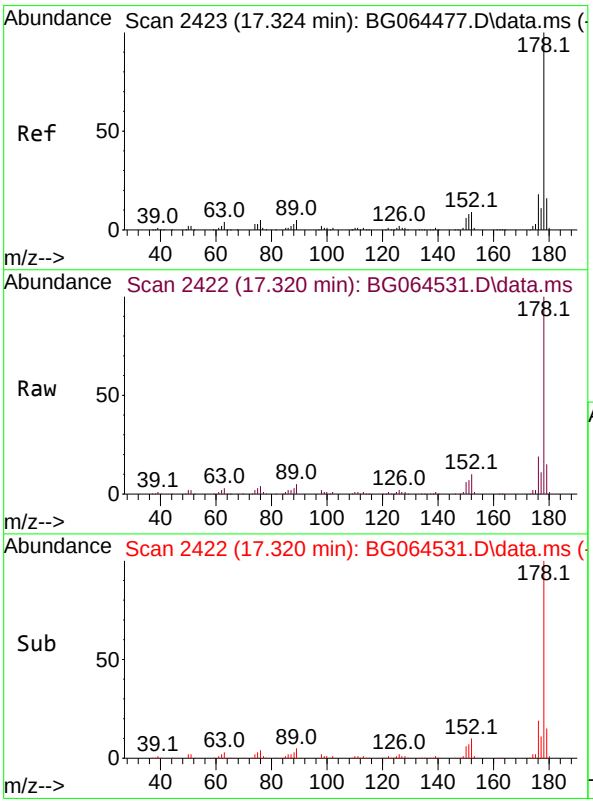
#71
Phenanthrene
Concen: 42.243 ng
RT: 17.232 min Scan# 24
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 250586

Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.2	22.8
179	15.1	11.8	17.6

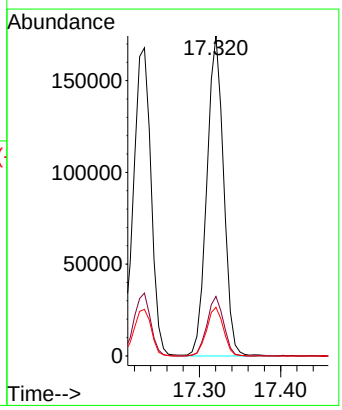


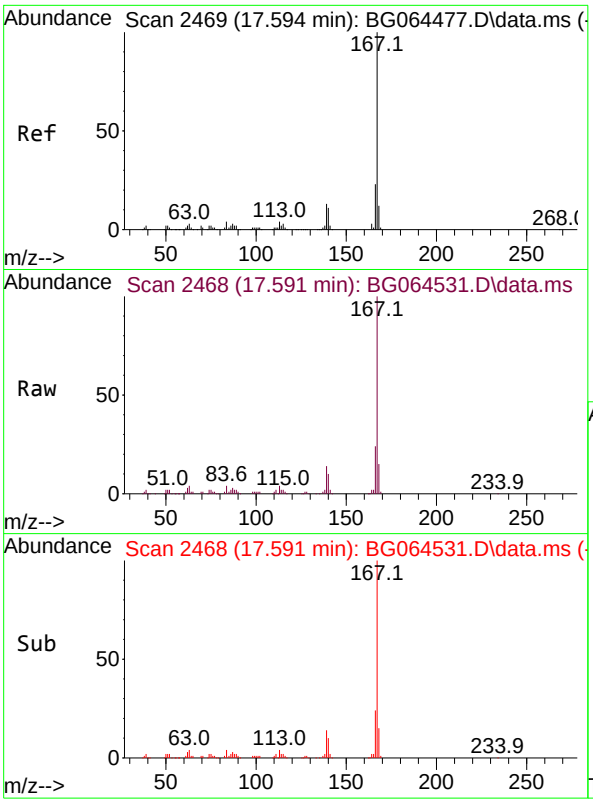


#72
Anthracene
Concen: 42.088 ng
RT: 17.320 min Scan# 2422
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:178 Resp: 250470

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	21.8
179	15.2	12.5	18.7



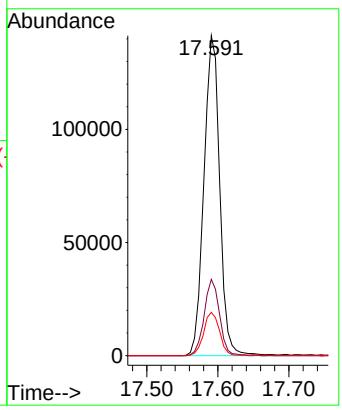


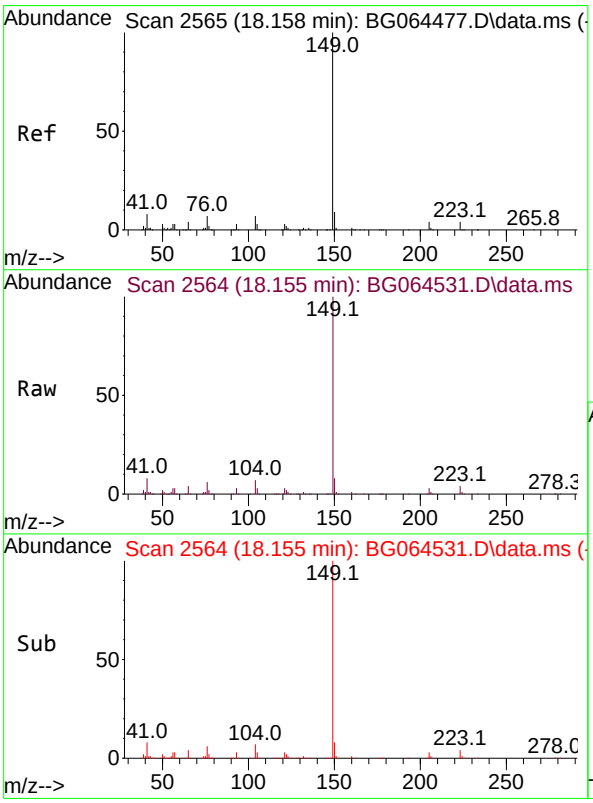
#73
Carbazole
Concen: 42.342 ng
RT: 17.591 min Scan# 24
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 217803

Ion	Ratio	Lower	Upper
167	100		
166	23.8	18.6	27.8
139	13.5	10.2	15.4

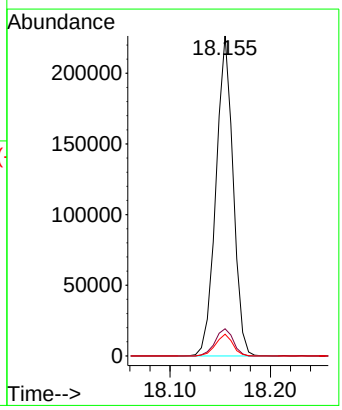


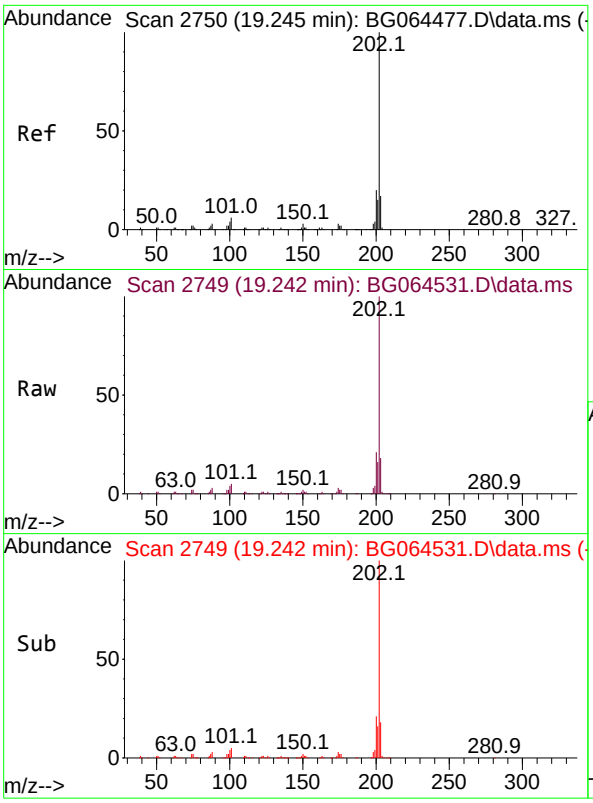


#74
Di-n-butylphthalate
Concen: 42.834 ng
RT: 18.155 min Scan# 2564
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:149 Resp: 268973

Ion	Ratio	Lower	Upper
149	100		
150	8.5	7.4	11.2
104	6.8	5.3	7.9



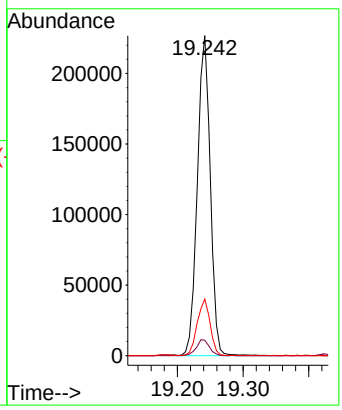


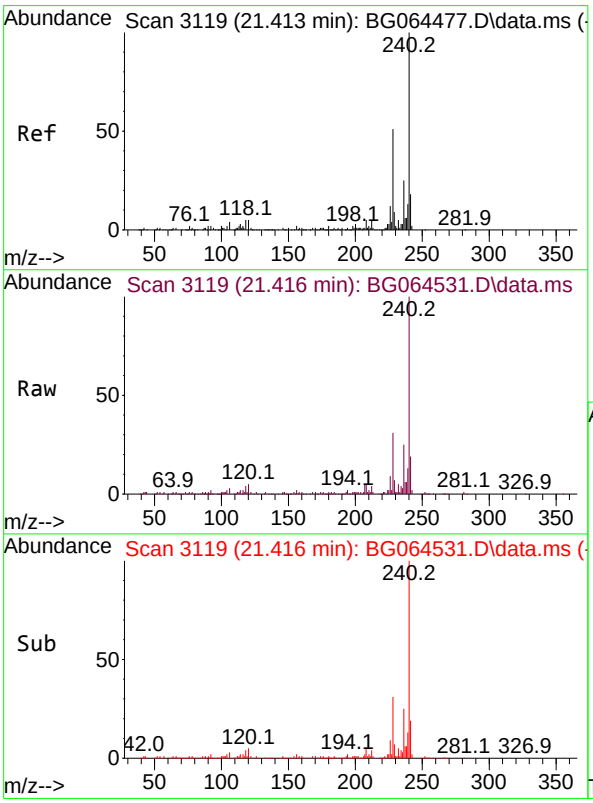
#75
Fluoranthene
Concen: 43.531 ng
RT: 19.242 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 308490

Ion	Ratio	Lower	Upper
202	100		
101	4.8	0.0	25.7
203	17.7	0.0	36.6

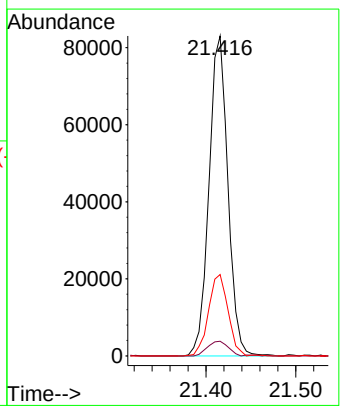


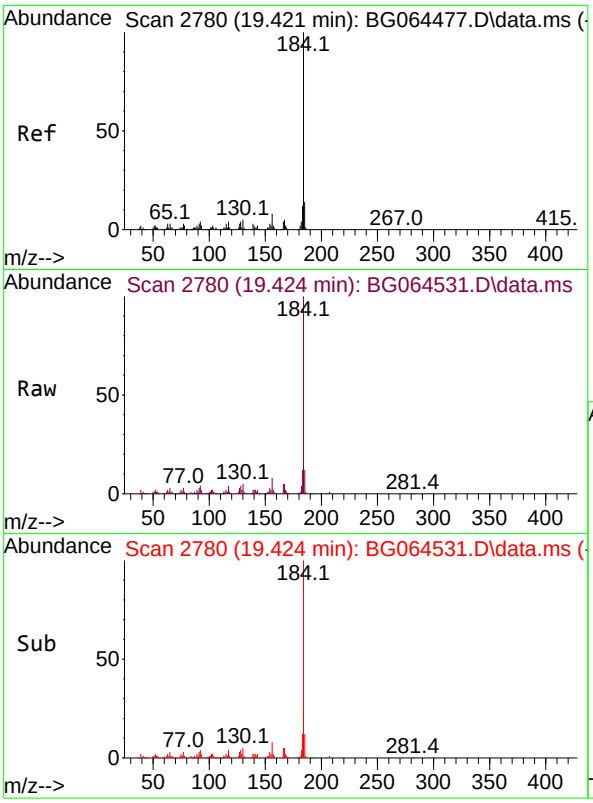


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.416 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:240 Resp: 121987

Ion	Ratio	Lower	Upper
240	100		
120	4.6	4.3	6.5
236	25.4	20.4	30.6



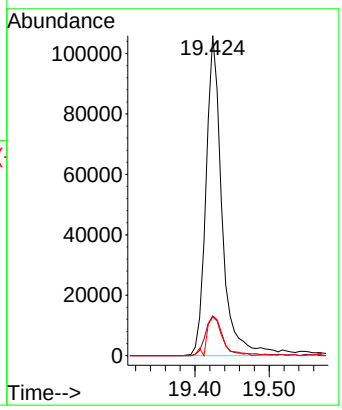


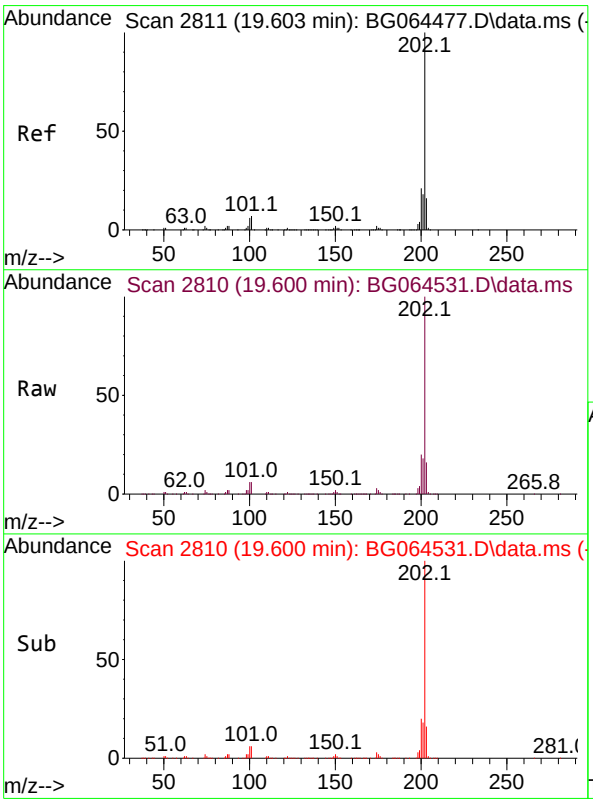
#77
Benzidine
Concen: 52.157 ng
RT: 19.424 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 158322

Ion	Ratio	Lower	Upper
184	100		
185	12.4	10.9	16.3
183	12.1	9.8	14.6

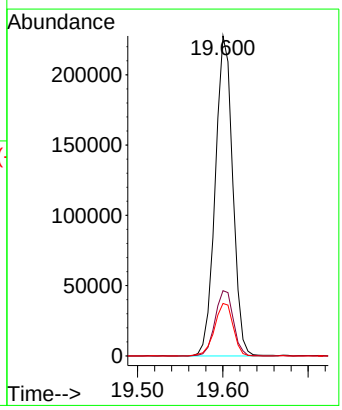


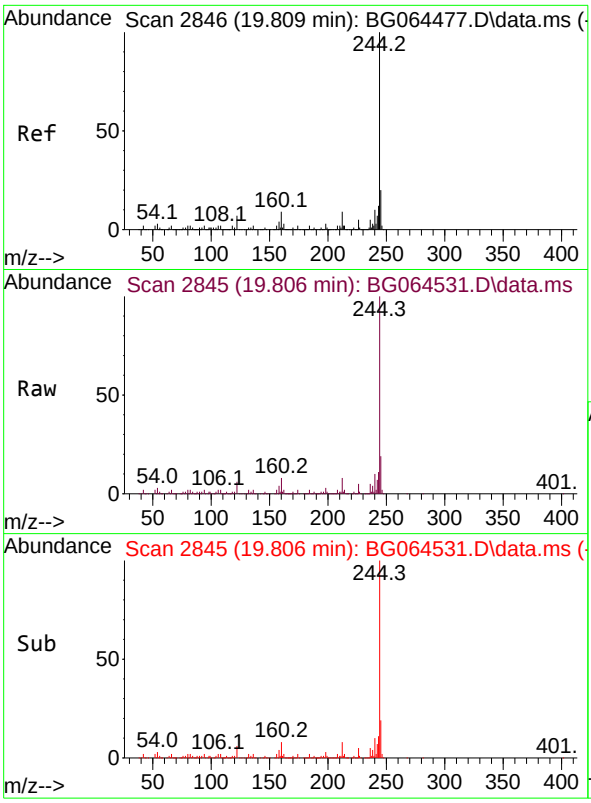


#78
Pyrene
Concen: 40.905 ng
RT: 19.600 min Scan# 2810
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:202 Resp: 323827

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.0	25.4
203	16.4	13.0	19.4



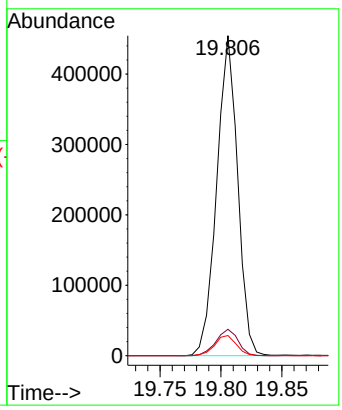


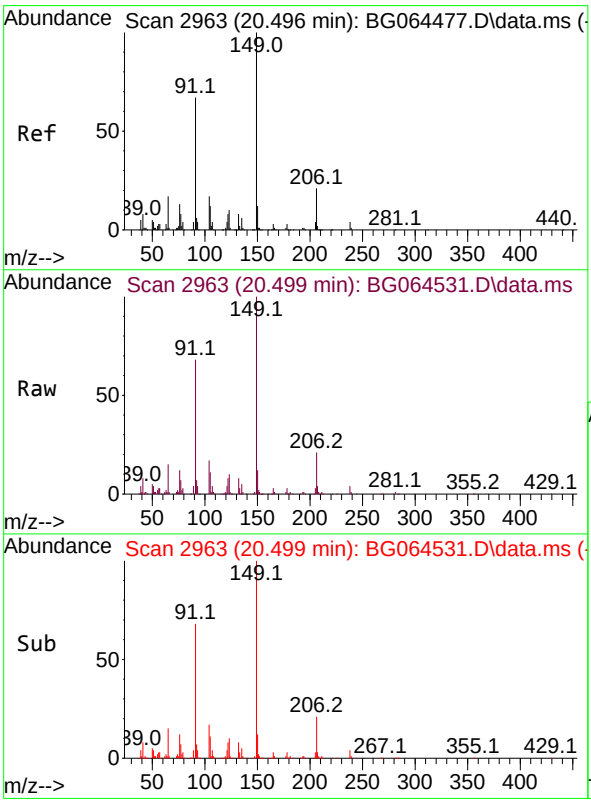
#79
Terphenyl-d14
Concen: 83.970 ng
RT: 19.806 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 541256

Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.0	10.6
122	6.3	5.6	8.4

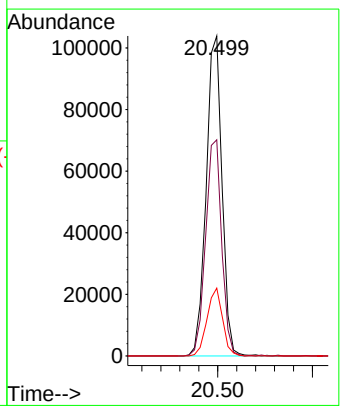


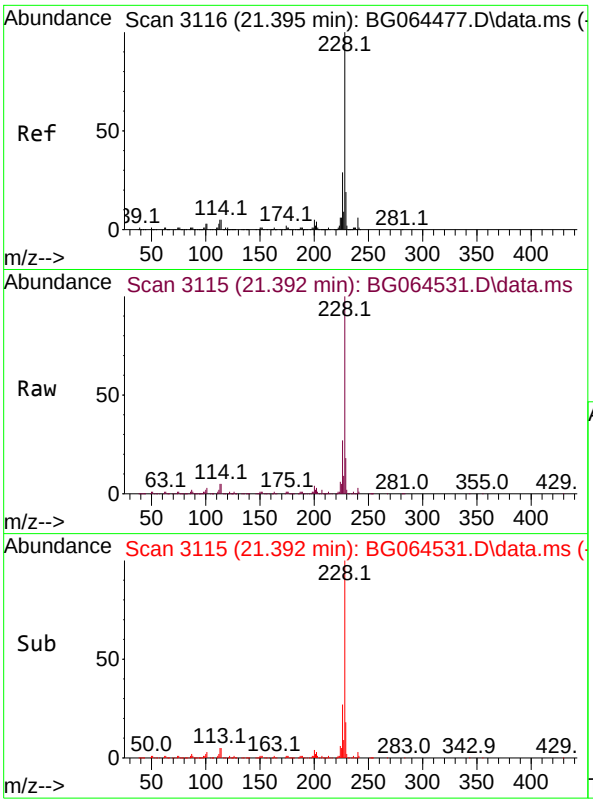


#80
Butylbenzylphthalate
Concen: 42.987 ng
RT: 20.499 min Scan# 2963
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:149 Resp: 120636

Ion	Ratio	Lower	Upper
149	100		
91	67.5	53.7	80.5
206	21.2	16.6	24.8



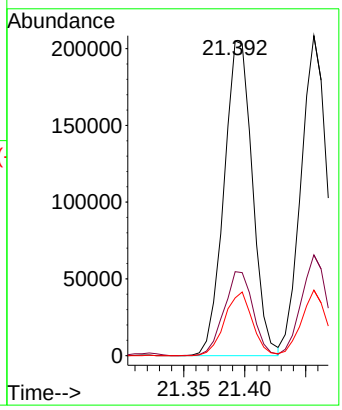


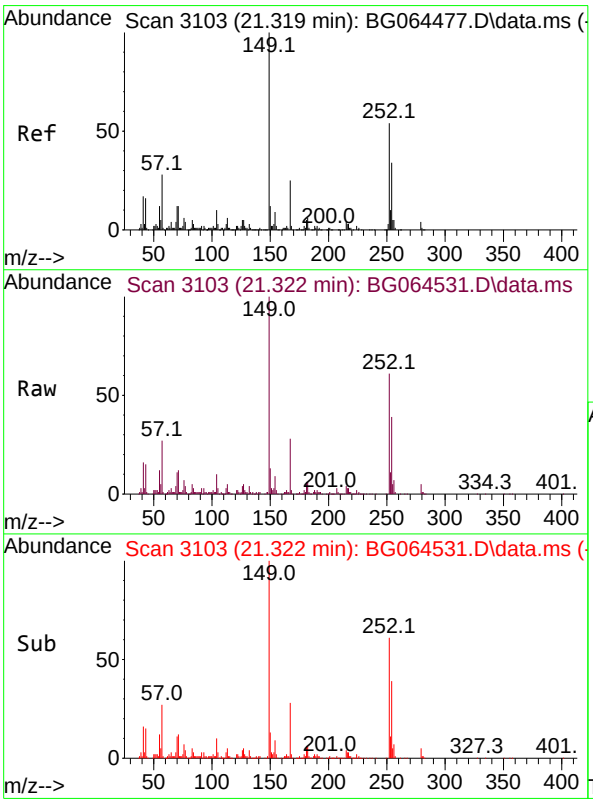
#81
Benzo(a)anthracene
Concen: 42.600 ng
RT: 21.392 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 331808

Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.8	34.2
229	18.3	15.2	22.8

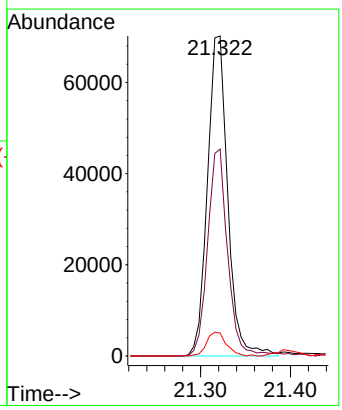


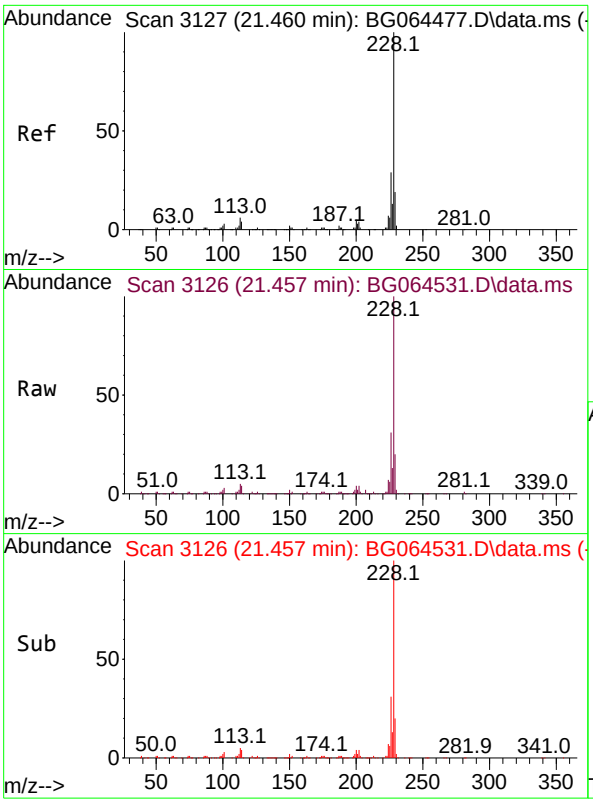


#82
3,3'-Dichlorobenzidine
Concen: 41.788 ng
RT: 21.322 min Scan# 3103
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:252 Resp: 110163

Ion	Ratio	Lower	Upper
252	100		
254	64.6	50.5	75.7
126	7.1	7.1	10.7



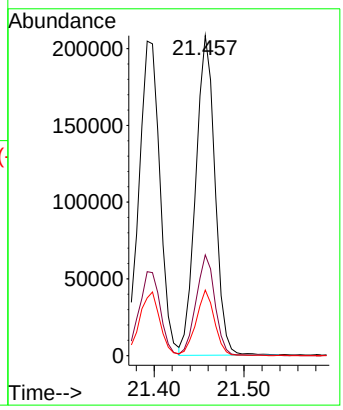


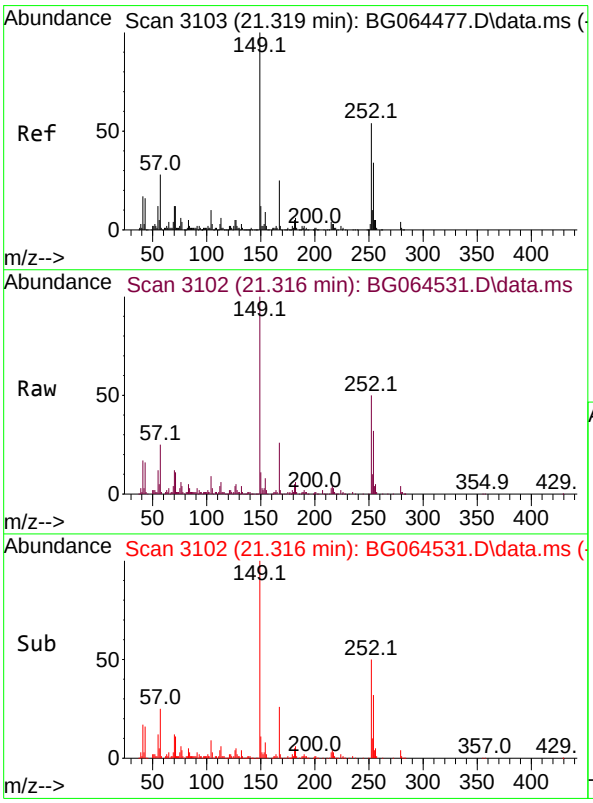
#83
Chrysene
Concen: 41.851 ng
RT: 21.457 min Scan# 31
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 309141

Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.8	34.2
229	20.5	15.4	23.0

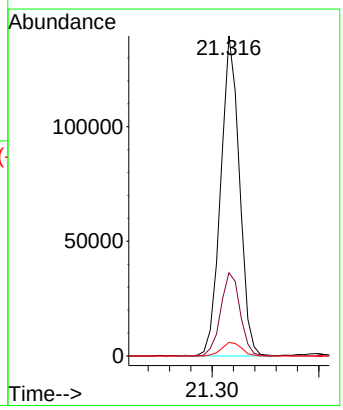


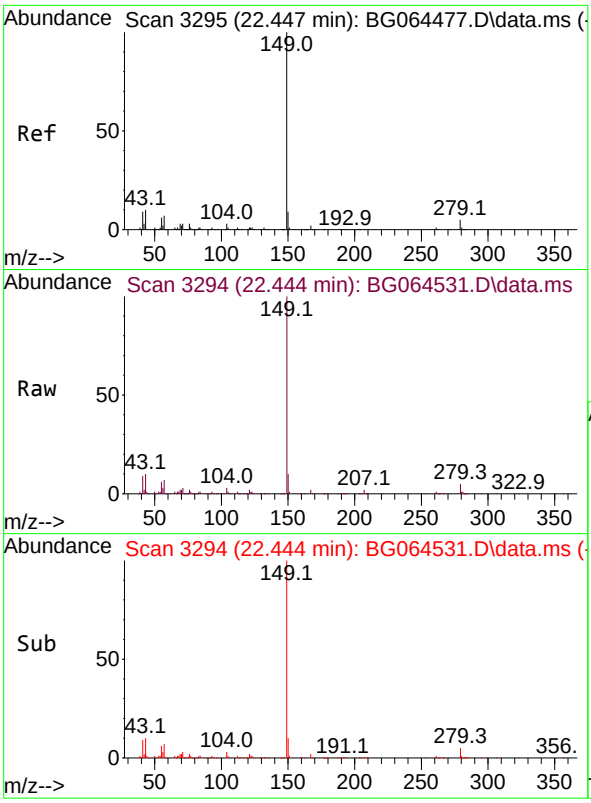


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.095 ng
RT: 21.316 min Scan# 3102
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:149 Resp: 170638

Ion	Ratio	Lower	Upper
149	100		
167	26.0	19.7	29.5
279	4.2	3.4	5.2



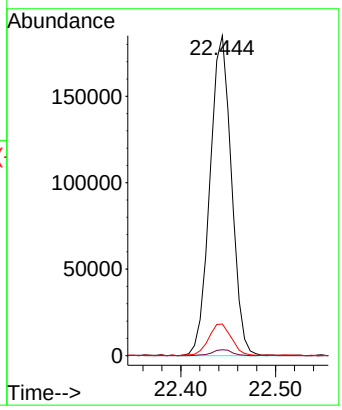


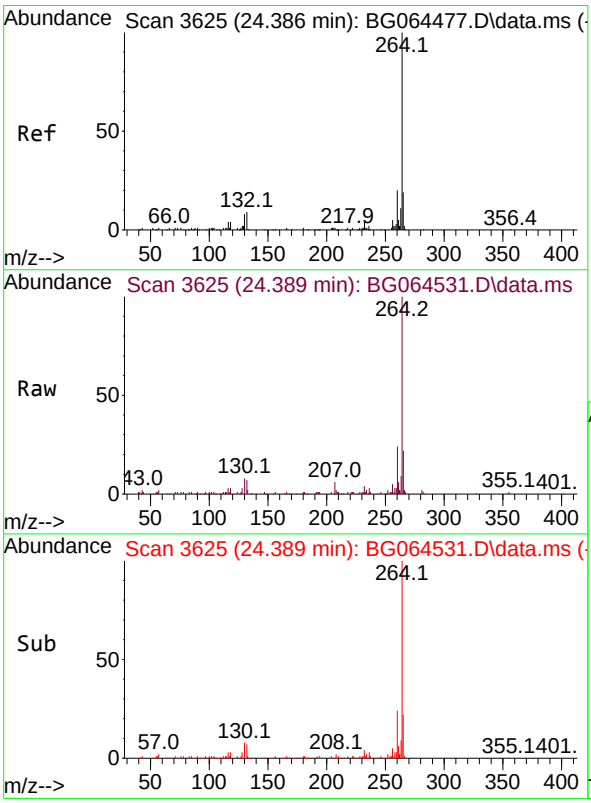
#85
Di-n-octyl phthalate
Concen: 43.878 ng
RT: 22.444 min Scan# 3
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 291996

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	10.6	7.9	11.9

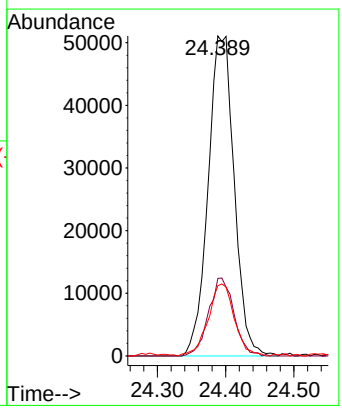


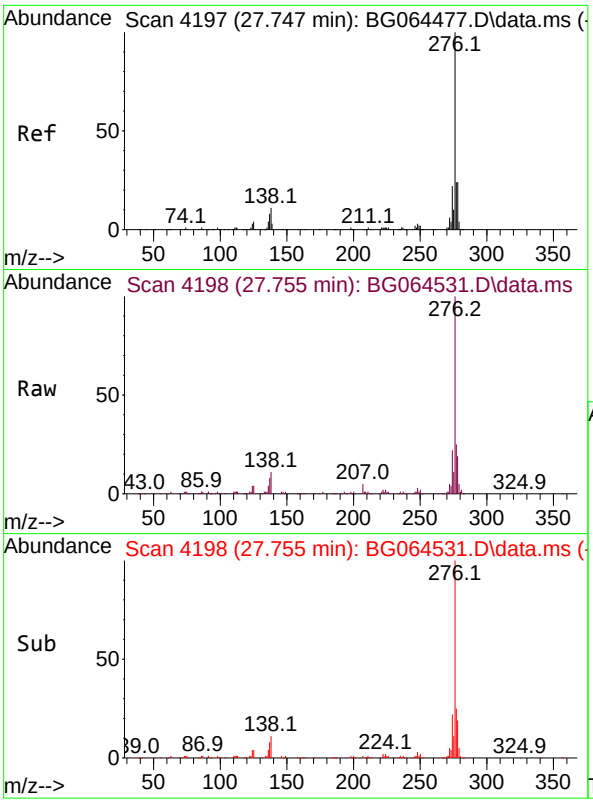


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.389 min Scan# 3625
Delta R.T. -0.001 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:264 Resp: 135397

Ion	Ratio	Lower	Upper
264	100		
260	24.2	16.2	24.4
265	21.9	15.0	22.4



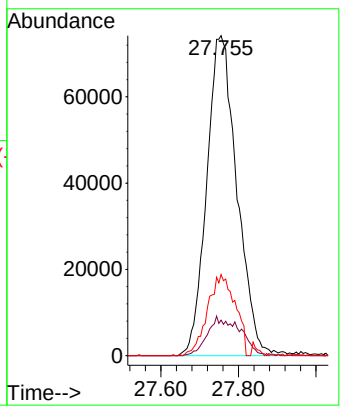


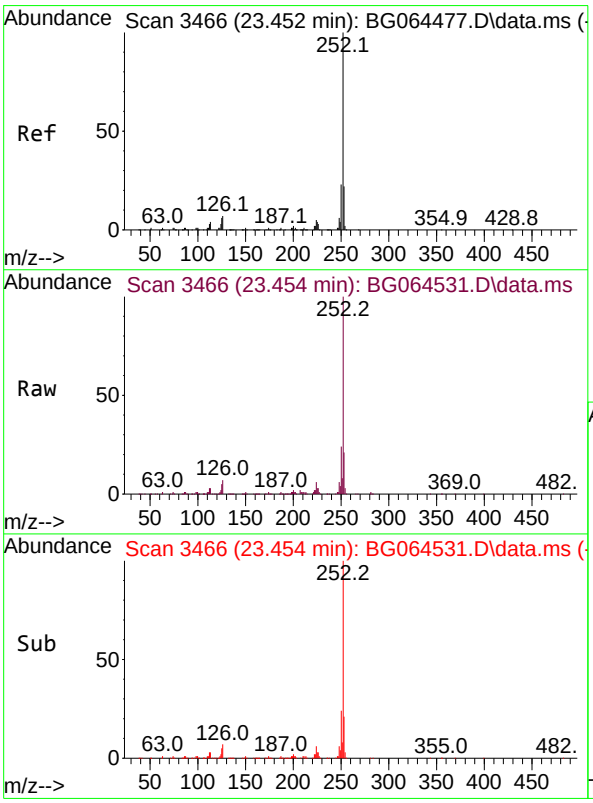
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.587 ng
RT: 27.755 min Scan# 41
Delta R.T. 0.023 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 401359

Ion	Ratio	Lower	Upper
276	100		
138	13.1	10.8	16.2
277	23.2	20.3	30.5

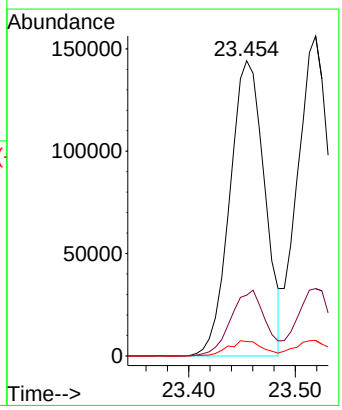


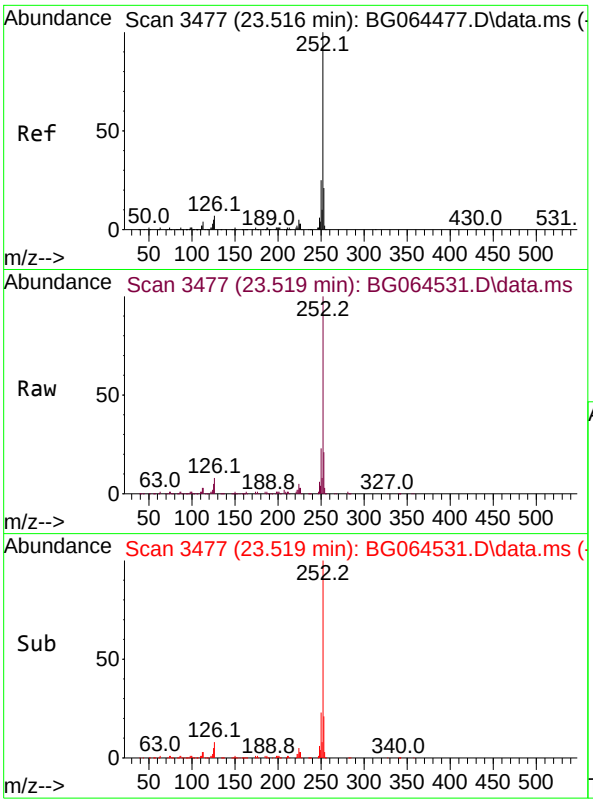


#88
Benzo(b)fluoranthene
Concen: 42.536 ng
RT: 23.454 min Scan# 3466
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:252 Resp: 327643

Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.5	26.3
125	4.8	4.5	6.7



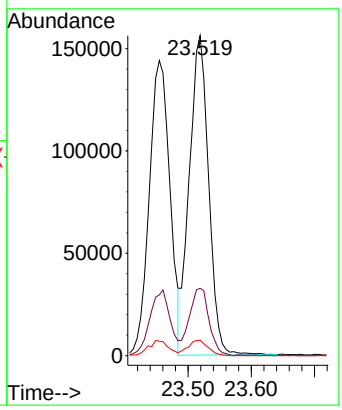


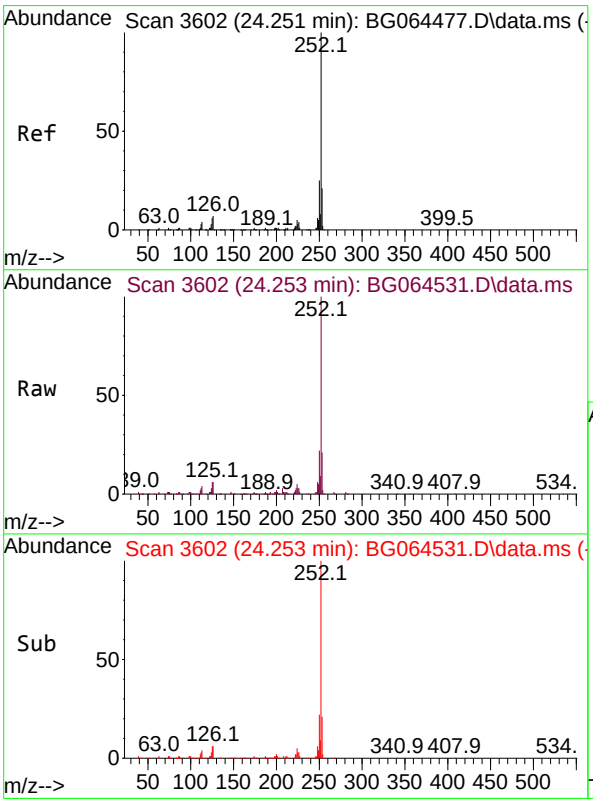
#89
Benzo(k)fluoranthene
Concen: 42.873 ng
RT: 23.519 min Scan# 34
Delta R.T. 0.011 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 332602

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.4	26.2
125	4.8	4.0	6.0

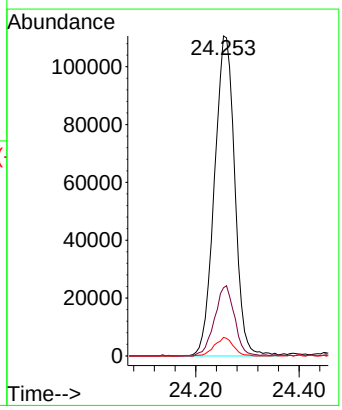


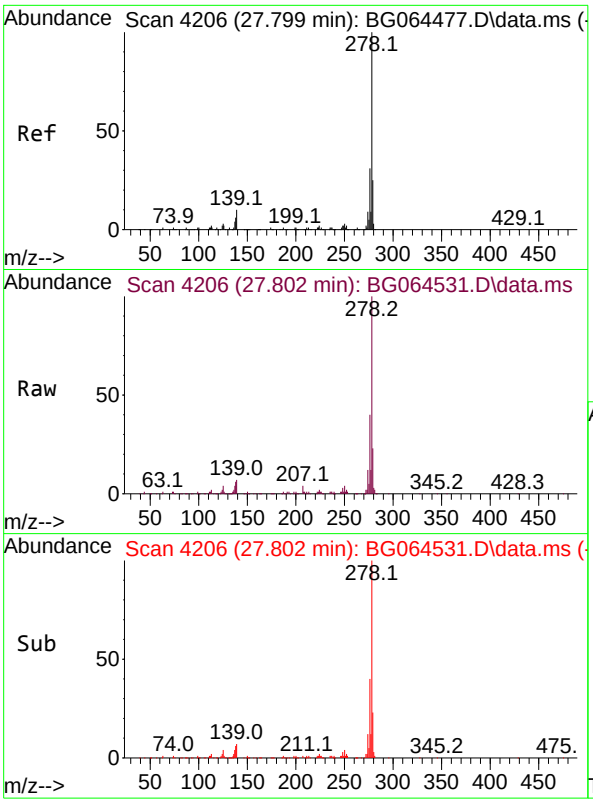


#90
Benzo(a)pyrene
Concen: 42.571 ng
RT: 24.253 min Scan# 3602
Delta R.T. 0.005 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:252 Resp: 302217

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.1	25.7
125	5.8	4.6	6.8



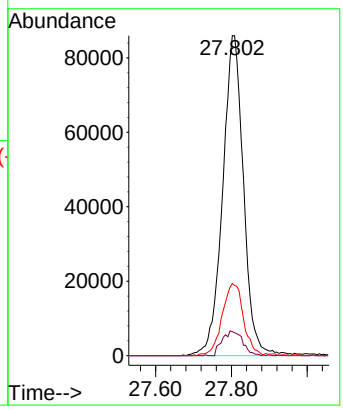


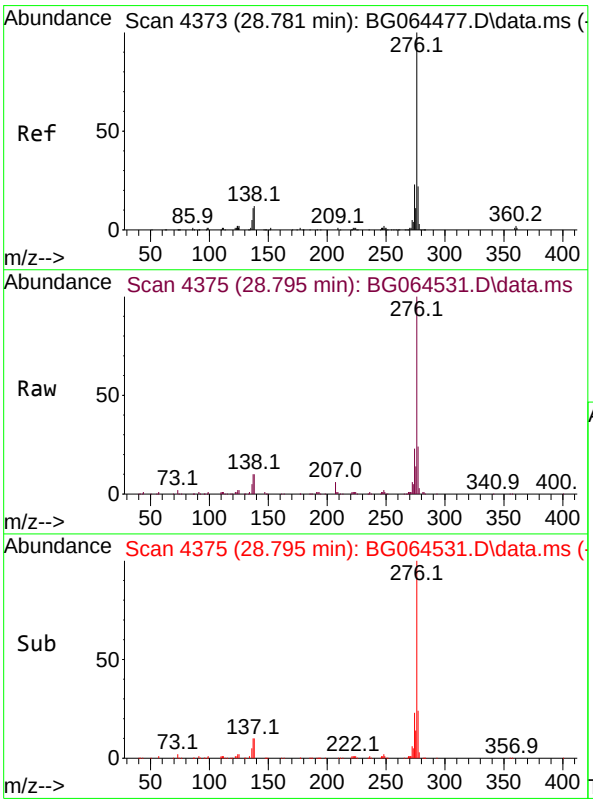
#91
Dibenzo(a,h)anthracene
Concen: 43.434 ng
RT: 27.802 min Scan# 4
Delta R.T. 0.023 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 327359

Ion	Ratio	Lower	Upper
278	100		
139	7.5	8.2	12.2#
279	22.5	19.6	29.4

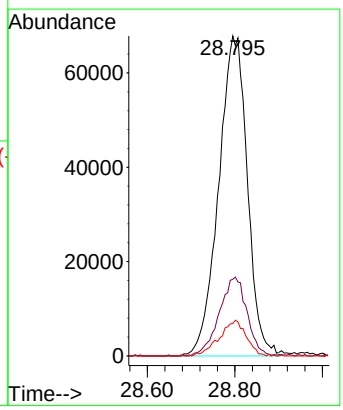




#92
Benzo(g,h,i)perylene
Concen: 42.228 ng
RT: 28.795 min Scan# 4375
Delta R.T. 0.029 min
Lab File: BG064531.D
Acq: 17 Oct 2025 11:39

Tgt Ion:276 Resp: 309287

Ion	Ratio	Lower	Upper
276	100		
277	23.9	17.8	26.6
138	10.1	9.4	14.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064531.D
Acq On : 17 Oct 2025 11:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 17 12:14:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
2		1,4-Dioxane	0.427	0.353	17.3	72	0.00
3		Pyridine	1.149	1.054	8.3	77	0.00
4		n-Nitrosodimethylamine	0.833	0.830	0.4	86	0.00
5	S	2-Fluorophenol	1.081	1.113	-3.0	84	0.00
6		Aniline	1.832	1.840	-0.4	82	0.00
7	S	Phenol-d6	1.452	1.455	-0.2	80	0.01
8		2-Chlorophenol	1.327	1.283	3.3	79	0.00
9		Benzaldehyde	1.289	1.304	-1.2	77	0.00
10	C	Phenol	1.532	1.529	0.2	82	0.00
11		bis(2-Chloroethyl)ether	1.038	0.997	3.9	79	0.00
12		1,3-Dichlorobenzene	1.452	1.467	-1.0	83	0.00
13	C	1,4-Dichlorobenzene	1.457	1.466	-0.6	83	0.00
14		1,2-Dichlorobenzene	1.436	1.448	-0.8	85	0.00
15		Benzyl Alcohol	1.337	1.335	0.1	83	0.00
16		2,2'-oxybis(1-Chloropropane	1.672	1.548	7.4	77	0.00
17		2-Methylphenol	1.109	1.130	-1.9	84	0.00
18		Hexachloroethane	0.575	0.577	-0.3	86	0.00
19	P	n-Nitroso-di-n-propylamine	0.971	0.972	-0.1	80	0.01
20		3+4-Methylphenols	1.548	1.606	-3.7	85	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	81	0.00
22		Acetophenone	0.484	0.540	-11.6	84	0.00
23	S	Nitrobenzene-d5	0.372	0.402	-8.1	82	0.00
24		Nitrobenzene	0.371	0.409	-10.2	83	0.00
25		Isophorone	0.674	0.713	-5.8	80	0.00
26	C	2-Nitrophenol	0.185	0.204	-10.3	86	0.00
27		2,4-Dimethylphenol	0.282	0.317	-12.4	85	0.00
28		bis(2-Chloroethoxy)methane	0.343	0.372	-8.5	80	0.00
29	C	2,4-Dichlorophenol	0.326	0.361	-10.7	85	0.00
30		1,2,4-Trichlorobenzene	0.356	0.392	-10.1	84	0.00
31		Naphthalene	1.030	1.149	-11.6	84	0.00
32		Benzoic acid	0.216	0.231	-6.9	81	0.06
33		4-Chloroaniline	0.395	0.421	-6.6	81	0.00
34	C	Hexachlorobutadiene	0.304	0.347	-14.1	88	0.00
35		Caprolactam	0.112	0.111	0.9	78	0.04
36	C	4-Chloro-3-methylphenol	0.397	0.411	-3.5	79	0.00
37		2-Methylnaphthalene	0.791	0.860	-8.7	82	0.00
38		1-Methylnaphthalene	0.788	0.852	-8.1	83	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	81	0.00
40		1,2,4,5-Tetrachlorobenzene	0.646	0.729	-12.8	83	0.00
41	P	Hexachlorocyclopentadiene	0.338	0.406	-20.1	90	0.00
42	S	2,4,6-Tribromophenol	0.363	0.392	-8.0	83	0.00
43	C	2,4,6-Trichlorophenol	0.413	0.466	-12.8	84	0.00
44		2,4,5-Trichlorophenol	0.461	0.502	-8.9	83	0.00
45	S	2-Fluorobiphenyl	1.357	1.481	-9.1	83	0.00
46		1,1'-Biphenyl	1.438	1.539	-7.0	81	0.00
47		2-Chloronaphthalene	1.074	1.146	-6.7	80	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064531.D
Acq On : 17 Oct 2025 11:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 17 12:14:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.367	0.392	-6.8	79	0.00
49		Acenaphthylene	1.594	1.714	-7.5	81	0.00
50		Dimethylphthalate	1.566	1.640	-4.7	81	0.00
51		2,6-Dinitrotoluene	0.326	0.349	-7.1	83	0.00
52	C	Acenaphthene	1.108	1.183	-6.8	82	0.00
53		3-Nitroaniline	0.301	0.321	-6.6	81	0.00
54	P	2,4-Dinitrophenol	0.237	0.220	7.2	86	0.00
55		Dibenzofuran	1.829	1.943	-6.2	82	0.00
56	P	4-Nitrophenol	0.237	0.234	1.3	72	0.01
57		2,4-Dinitrotoluene	0.499	0.528	-5.8	81	0.00
58		Fluorene	1.520	1.624	-6.8	82	0.00
59		2,3,4,6-Tetrachlorophenol	0.470	0.493	-4.9	79	0.00
60		Diethylphthalate	1.680	1.715	-2.1	80	0.00
61		4-Chlorophenyl-phenylether	0.830	0.889	-7.1	83	0.00
62		4-Nitroaniline	0.314	0.353	-12.4	85	0.00
63		Azobenzene	1.301	1.326	-1.9	79	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	83	0.00
65		4,6-Dinitro-2-methylphenol	0.139	0.145	-4.3	83	0.00
66	c	n-Nitrosodiphenylamine	0.534	0.548	-2.6	80	0.00
67		4-Bromophenyl-phenylether	0.235	0.258	-9.8	84	0.00
68		Hexachlorobenzene	0.269	0.295	-9.7	85	0.00
69		Atrazine	0.238	0.236	0.8	78	0.00
70	C	Pentachlorophenol	0.157	0.175	-11.5	85	0.00
71		Phenanthrene	1.046	1.105	-5.6	82	0.00
72		Anthracene	1.049	1.104	-5.2	81	0.00
73		Carbazole	0.907	0.960	-5.8	81	0.00
74		Di-n-butylphthalate	1.107	1.186	-7.1	83	0.00
75	C	Fluoranthene	1.250	1.360	-8.8	85	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	89	0.00
77		Benzidine	0.498	0.649	-30.3#	89	0.00
78		Pyrene	1.298	1.327	-2.2	84	0.00
79	S	Terphenyl-d14	1.057	1.109	-4.9	87	0.00
80		Butylbenzylphthalate	0.460	0.494	-7.4	88	0.00
81		Benzo(a)anthracene	1.277	1.360	-6.5	89	0.00
82		3,3'-Dichlorobenzidine	0.432	0.452	-4.6	87	0.00
83		Chrysene	1.211	1.267	-4.6	86	0.00
84		Bis(2-ethylhexyl)phthalate	0.649	0.699	-7.7	89	0.00
85	c	Di-n-octyl phthalate	1.091	1.197	-9.7	92	0.00
86	I	Perylene-d12	1.000	1.000	0.0	92	0.00
87		Indeno(1,2,3-cd)pyrene	1.392	1.482	-6.5	91	0.02
88		Benzo(b)fluoranthene	1.138	1.210	-6.3	92	0.00
89		Benzo(k)fluoranthene	1.146	1.228	-7.2	92	0.01
90	C	Benzo(a)pyrene	1.049	1.116	-6.4	92	0.00
91		Dibenzo(a,h)anthracene	1.113	1.209	-8.6	93	0.02
92		Benzo(g,h,i)perylene	1.082	1.142	-5.5	91	0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064531.D
Acq On : 17 Oct 2025 11:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 17 12:14:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064531.D
Acq On : 17 Oct 2025 11:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 17 12:14:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	90	0.00
2		1,4-Dioxane	40.000	33.030	17.4	72	0.00
3		Pyridine	40.000	36.683	8.3	77	0.00
4		n-Nitrosodimethylamine	40.000	39.886	0.3	86	0.00
5	S	2-Fluorophenol	80.000	82.376	-3.0	84	0.00
6		Aniline	40.000	40.175	-0.4	82	0.00
7	S	Phenol-d6	80.000	80.147	-0.2	80	0.01
8		2-Chlorophenol	40.000	38.670	3.3	79	0.00
9		Benzaldehyde	40.000	40.464	-1.2	77	0.00
10	C	Phenol	40.000	39.912	0.2	82	0.00
11		bis(2-Chloroethyl)ether	40.000	38.446	3.9	79	0.00
12		1,3-Dichlorobenzene	40.000	40.415	-1.0	83	0.00
13	C	1,4-Dichlorobenzene	40.000	40.246	-0.6	83	0.00
14		1,2-Dichlorobenzene	40.000	40.342	-0.9	85	0.00
15		Benzyl Alcohol	40.000	39.931	0.2	83	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.014	7.5	77	0.00
17		2-Methylphenol	40.000	40.760	-1.9	84	0.00
18		Hexachloroethane	40.000	40.123	-0.3	86	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.034	-0.1	80	0.01
20		3+4-Methylphenols	40.000	41.497	-3.7	85	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	81	0.00
22		Acetophenone	40.000	44.640	-11.6	84	0.00
23	S	Nitrobenzene-d5	80.000	86.512	-8.1	82	0.00
24		Nitrobenzene	40.000	44.103	-10.3	83	0.00
25		Isophorone	40.000	42.307	-5.8	80	0.00
26	C	2-Nitrophenol	40.000	44.257	-10.6	86	0.00
27		2,4-Dimethylphenol	40.000	44.967	-12.4	85	0.00
28		bis(2-Chloroethoxy)methane	40.000	43.361	-8.4	80	0.00
29	C	2,4-Dichlorophenol	40.000	44.252	-10.6	85	0.00
30		1,2,4-Trichlorobenzene	40.000	44.147	-10.4	84	0.00
31		Naphthalene	40.000	44.614	-11.5	84	0.00
32		Benzoic acid	40.000	42.654	-6.6	81	0.06
33		4-Chloroaniline	40.000	42.656	-6.6	81	0.00
34	C	Hexachlorobutadiene	40.000	45.651	-14.1	88	0.00
35		Caprolactam	40.000	39.951	0.1	78	0.04
36	C	4-Chloro-3-methylphenol	40.000	41.441	-3.6	79	0.00
37		2-Methylnaphthalene	40.000	43.504	-8.8	82	0.00
38		1-Methylnaphthalene	40.000	43.239	-8.1	83	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	81	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	45.163	-12.9	83	0.00
41	P	Hexachlorocyclopentadiene	40.000	48.026	-20.1	90	0.00
42	S	2,4,6-Tribromophenol	80.000	86.562	-8.2	83	0.00
43	C	2,4,6-Trichlorophenol	40.000	45.109	-12.8	84	0.00
44		2,4,5-Trichlorophenol	40.000	43.563	-8.9	83	0.00
45	S	2-Fluorobiphenyl	80.000	87.309	-9.1	83	0.00
46		1,1'-Biphenyl	40.000	42.804	-7.0	81	0.00
47		2-Chloronaphthalene	40.000	42.673	-6.7	80	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064531.D
Acq On : 17 Oct 2025 11:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 17 12:14:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.724	-6.8	79	0.00
49		Acenaphthylene	40.000	43.015	-7.5	81	0.00
50		Dimethylphthalate	40.000	41.889	-4.7	81	0.00
51		2,6-Dinitrotoluene	40.000	42.828	-7.1	83	0.00
52	C	Acenaphthene	40.000	42.705	-6.8	82	0.00
53		3-Nitroaniline	40.000	42.688	-6.7	81	0.00
54	P	2,4-Dinitrophenol	40.000	37.192	7.0	86	0.00
55		Dibenzofuran	40.000	42.500	-6.3	82	0.00
56	P	4-Nitrophenol	40.000	39.426	1.4	72	0.01
57		2,4-Dinitrotoluene	40.000	42.320	-5.8	81	0.00
58		Fluorene	40.000	42.730	-6.8	82	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.953	-4.9	79	0.00
60		Diethylphthalate	40.000	40.816	-2.0	80	0.00
61		4-Chlorophenyl-phenylether	40.000	42.856	-7.1	83	0.00
62		4-Nitroaniline	40.000	45.075	-12.7	85	0.00
63		Azobenzene	40.000	40.756	-1.9	79	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	83	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.633	-4.1	83	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.056	-2.6	80	0.00
67		4-Bromophenyl-phenylether	40.000	43.772	-9.4	84	0.00
68		Hexachlorobenzene	40.000	43.813	-9.5	85	0.00
69		Atrazine	40.000	39.706	0.7	78	0.00
70	C	Pentachlorophenol	40.000	44.391	-11.0	85	0.00
71		Phenanthrene	40.000	42.243	-5.6	82	0.00
72		Anthracene	40.000	42.088	-5.2	81	0.00
73		Carbazole	40.000	42.342	-5.9	81	0.00
74		Di-n-butylphthalate	40.000	42.834	-7.1	83	0.00
75	C	Fluoranthene	40.000	43.531	-8.8	85	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	89	0.00
77		Benzidine	40.000	52.157	-30.4#	89	0.00
78		Pyrene	40.000	40.905	-2.3	84	0.00
79	S	Terphenyl-d14	80.000	83.970	-5.0	87	0.00
80		Butylbenzylphthalate	40.000	42.987	-7.5	88	0.00
81		Benzo(a)anthracene	40.000	42.600	-6.5	89	0.00
82		3,3'-Dichlorobenzidine	40.000	41.788	-4.5	87	0.00
83		Chrysene	40.000	41.851	-4.6	86	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	43.095	-7.7	89	0.00
85	c	Di-n-octyl phthalate	40.000	43.878	-9.7	92	0.00
86	I	Perylene-d12	20.000	20.000	0.0	92	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	42.587	-6.5	91	0.02
88		Benzo(b)fluoranthene	40.000	42.536	-6.3	92	0.00
89		Benzo(k)fluoranthene	40.000	42.873	-7.2	92	0.01
90	C	Benzo(a)pyrene	40.000	42.571	-6.4	92	0.00
91		Dibenzo(a,h)anthracene	40.000	43.434	-8.6	93	0.02
92		Benzo(g,h,i)perylene	40.000	42.228	-5.6	91	0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064531.D
Acq On : 17 Oct 2025 11:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 17 12:14:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

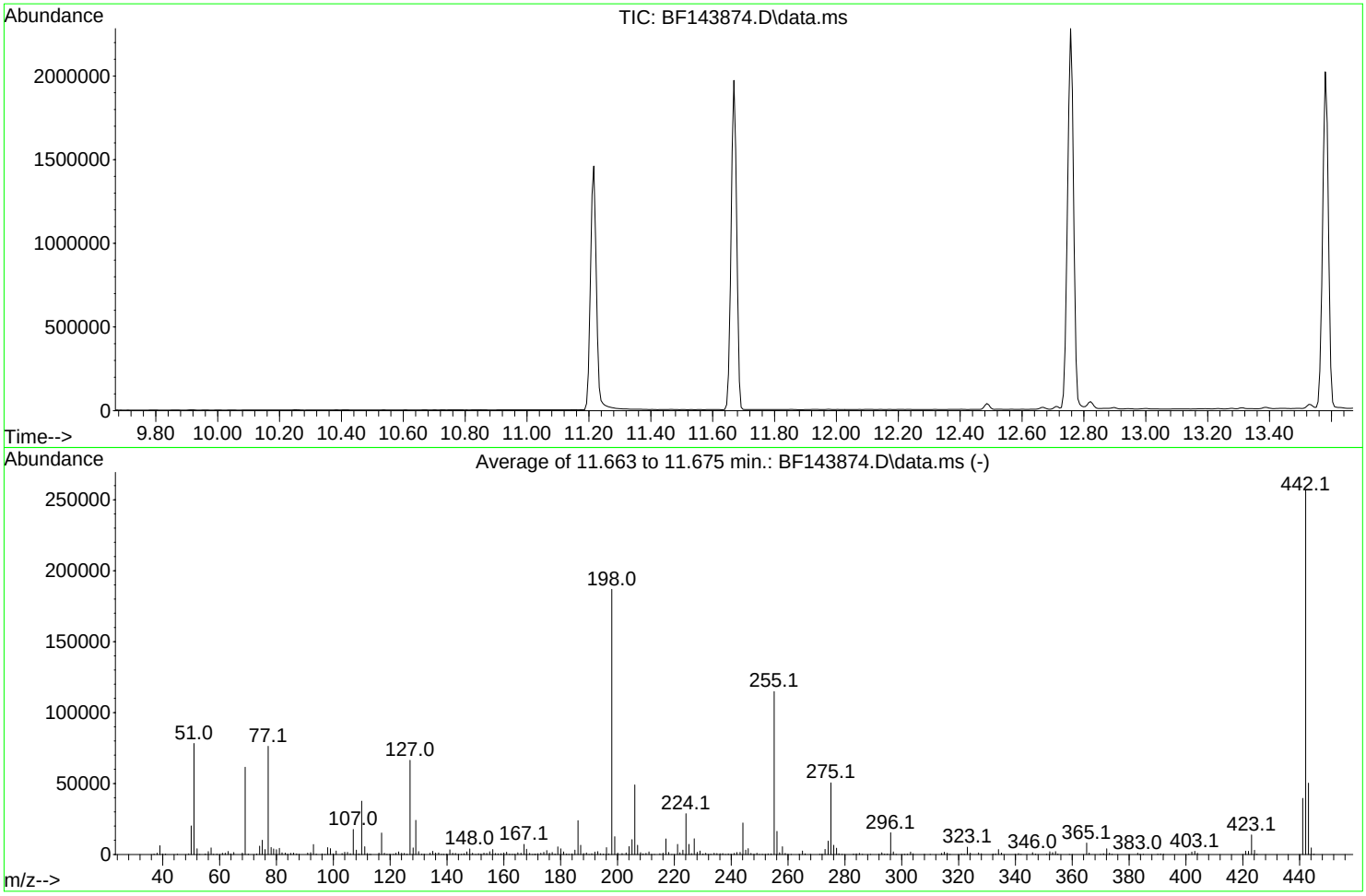
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143874.D
Acq On : 06 Oct 2025 09:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Oct 06 15:29:47 2025



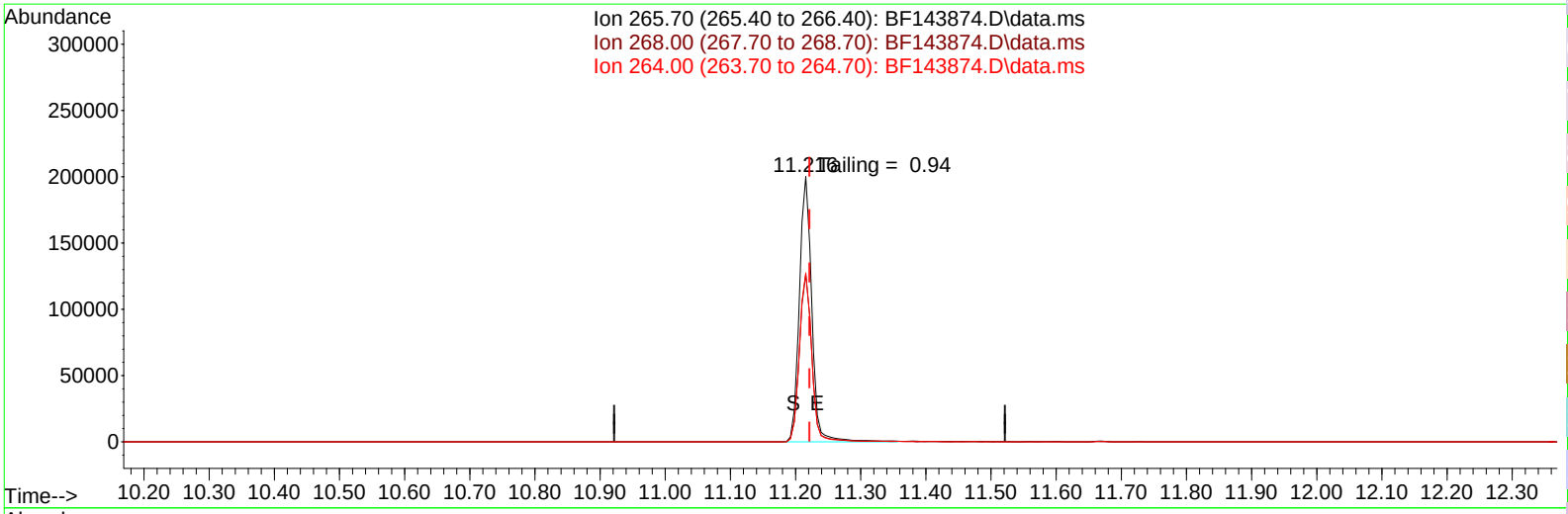
AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1603

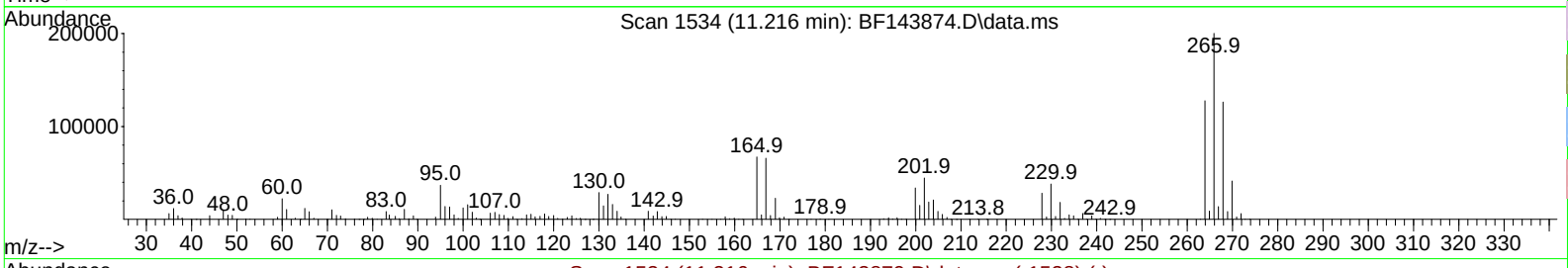
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	971	PASS
69	69	100	100	100.0	61475	PASS
70	69	0.00	2	0.4	240	PASS
197	198	0.00	2	0.3	472	PASS
198	198	100	100	100.0	186859	PASS
199	198	5	9	6.7	12573	PASS
365	198	1	100	4.3	8075	PASS
441	443	0.01	150	78.8	39600	PASS
442	442	100	100	100.0	256555	PASS
443	442	15	24	19.6	50245	PASS

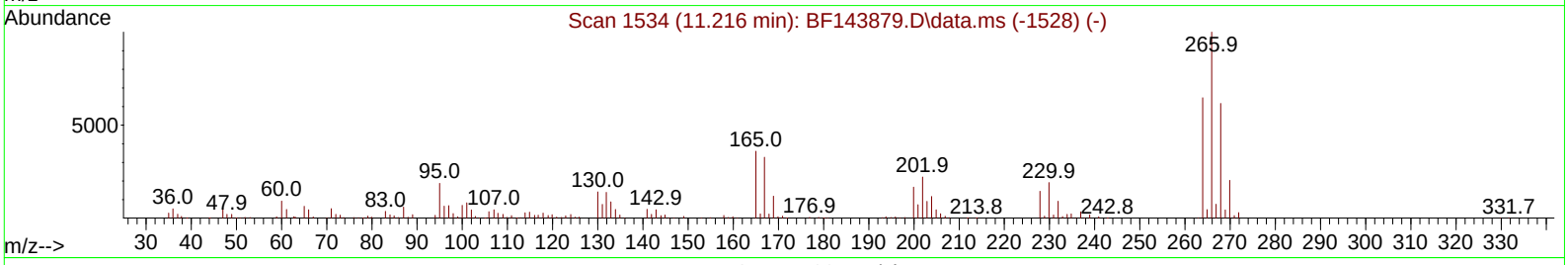
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143874.D
Acq On : 06 Oct 2025 09:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 06 15:36:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration







TIC: BF143874.D\data.ms

(70) Pentachlorophenol (C)

11.216min (-0.006) 36564.81 ng

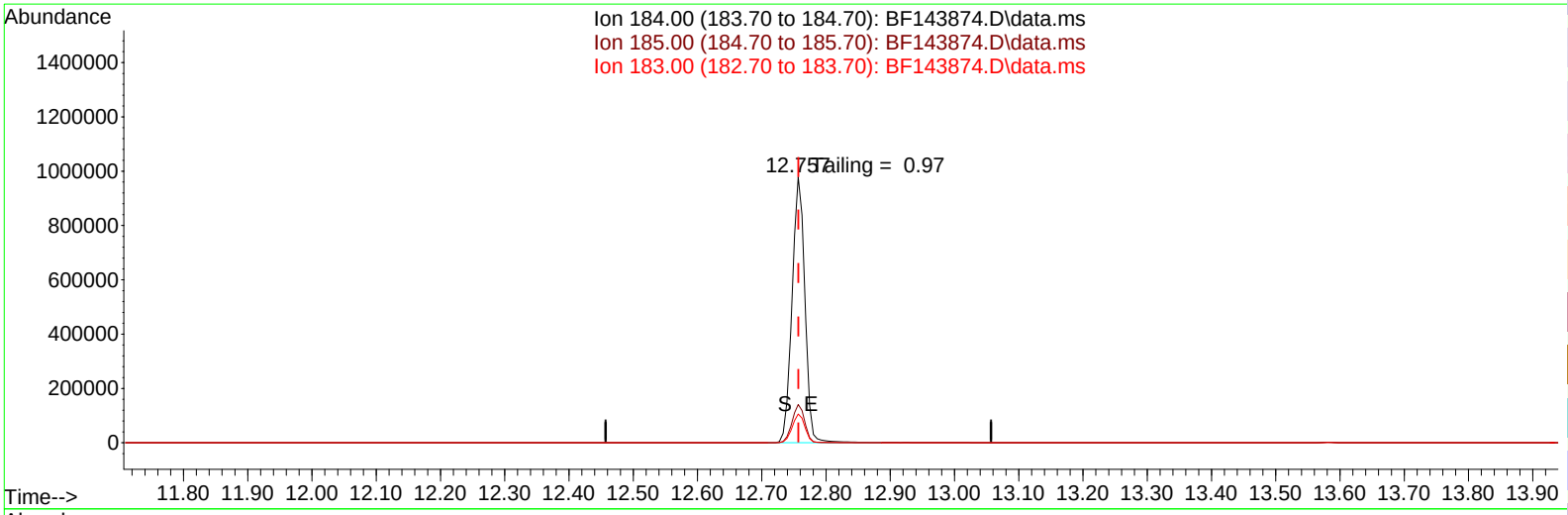
response 265194

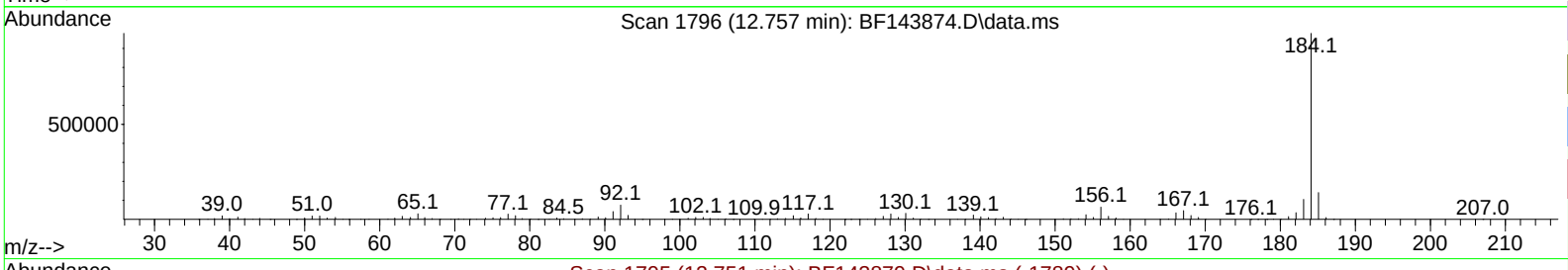
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.70	63.10
264.00	64.70	63.76
0.00	0.00	0.00

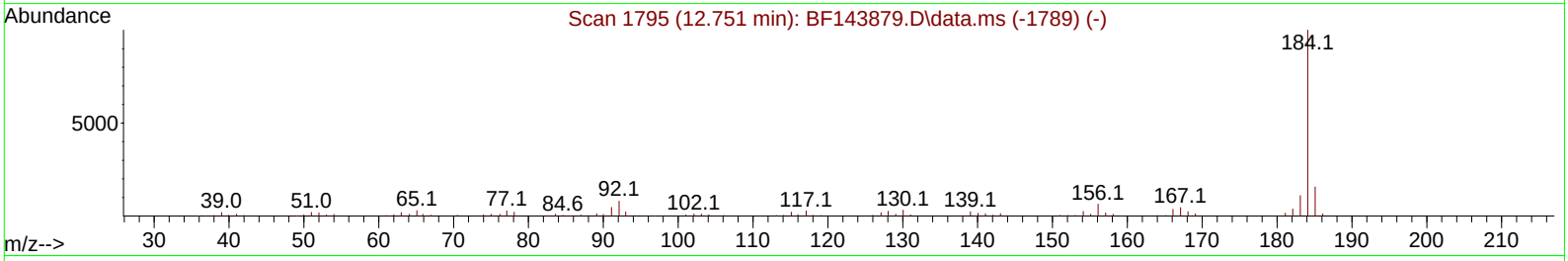
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143874.D
Acq On : 06 Oct 2025 09:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 06 15:36:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration







TIC: BF143874.D\data.ms

(77) Benzidine

12.757min (-0.000) 0.00 ng

response 1371993

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.70	14.38
183.00	11.00	10.78
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/6/2025	BNA_F	BF143874.D
Compound Name	**Response**	**Retention Time**
DDT	503395	13.58
DDD	4048	13.31
DDE	763	12.945
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
4811	508206	0.95

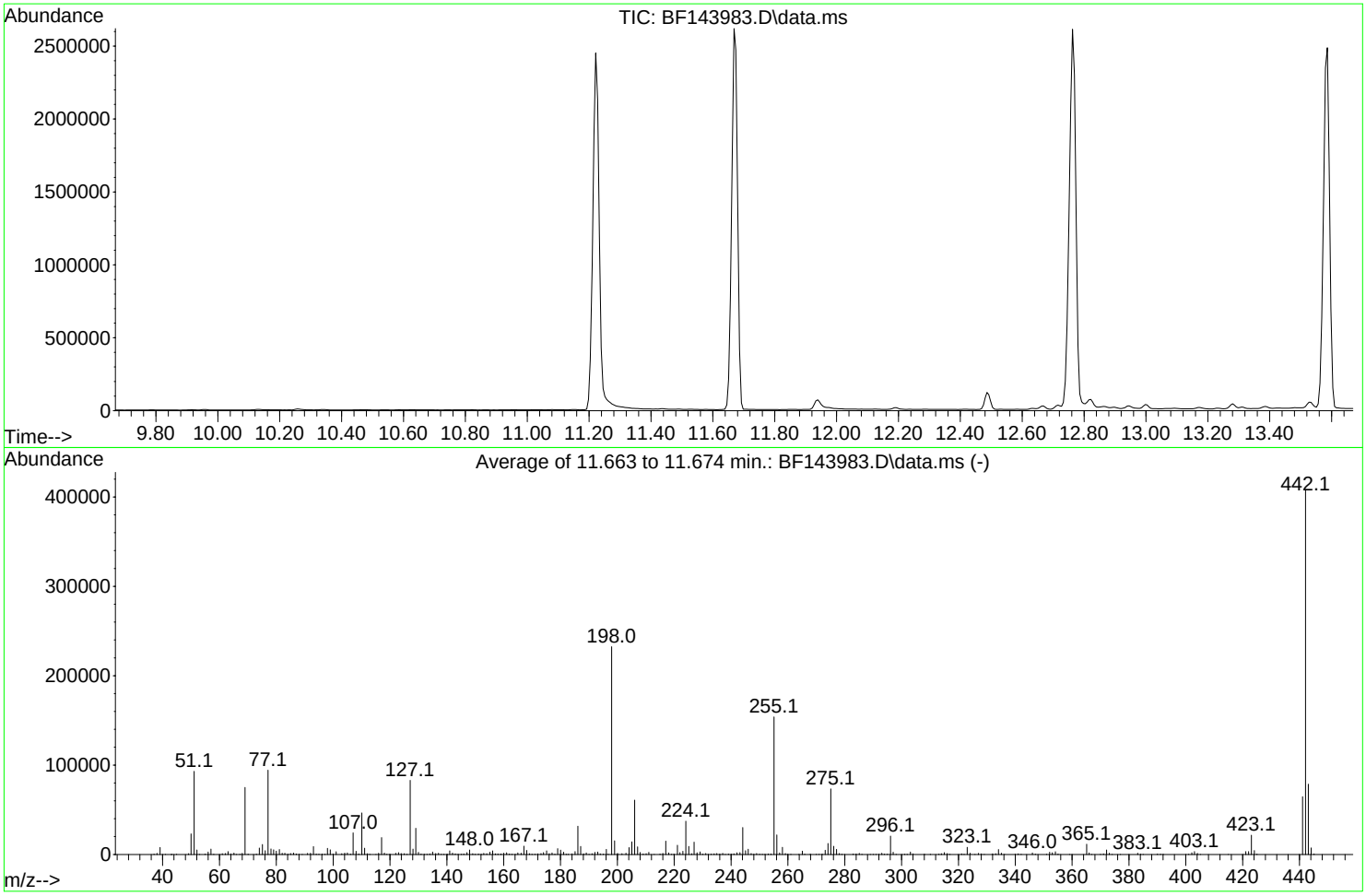
Sample Results: **BF143983.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143983.D
Acq On : 17 Oct 2025 14:14
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Oct 06 15:29:47 2025



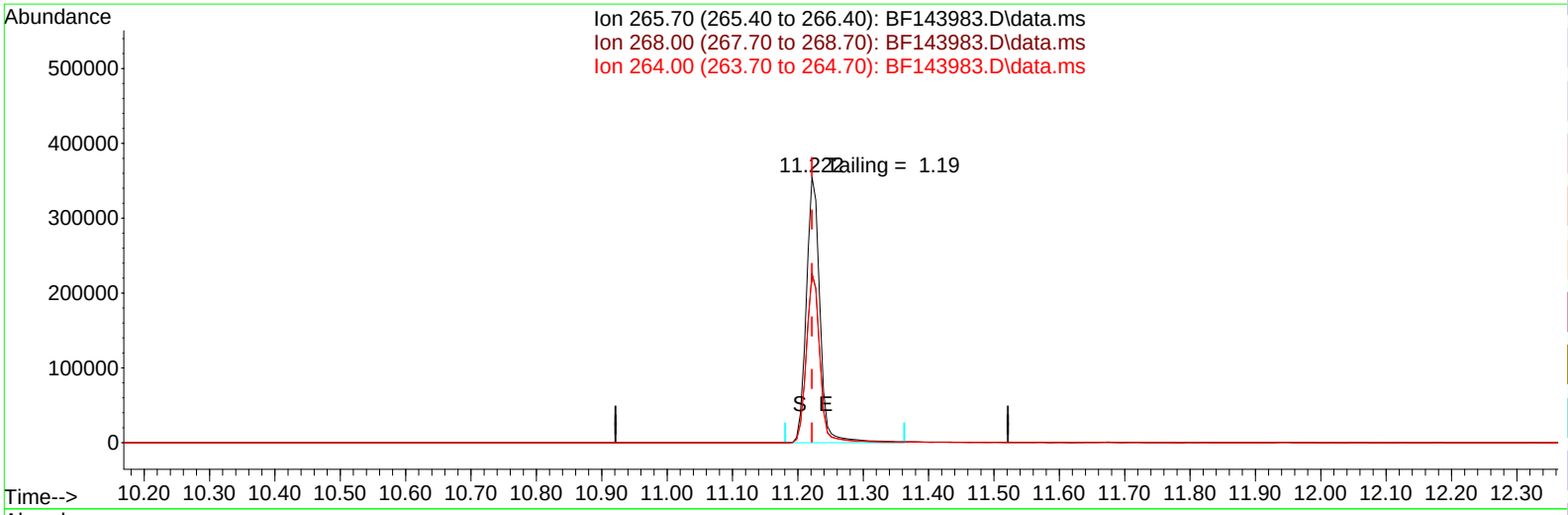
AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1603

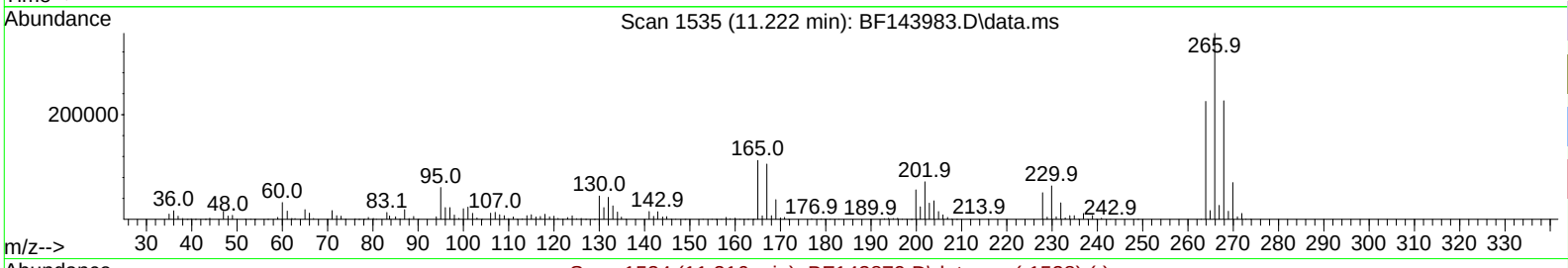
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.7	1265	PASS
69	69	100	100	100.0	75069	PASS
70	69	0.00	2	0.6	457	PASS
197	198	0.00	2	0.1	330	PASS
198	198	100	100	100.0	232405	PASS
199	198	5	9	6.6	15290	PASS
365	198	1	100	5.0	11551	PASS
441	443	0.01	150	82.2	64648	PASS
442	442	100	100	100.0	407253	PASS
443	442	15	24	19.3	78603	PASS

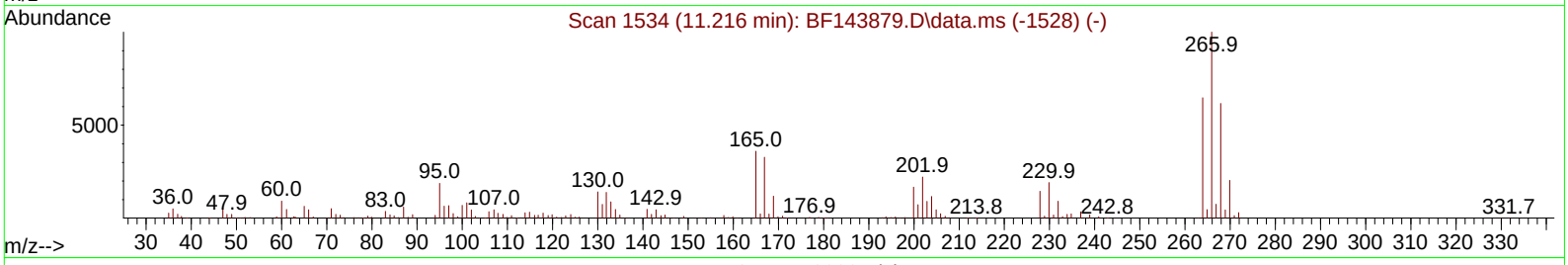
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143983.D
Acq On : 17 Oct 2025 14:14
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 17 15:40:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration







TIC: BF143983.D\data.ms

(70) Pentachlorophenol (C)

11.222min (+ 0.000) 1324535.20 ng

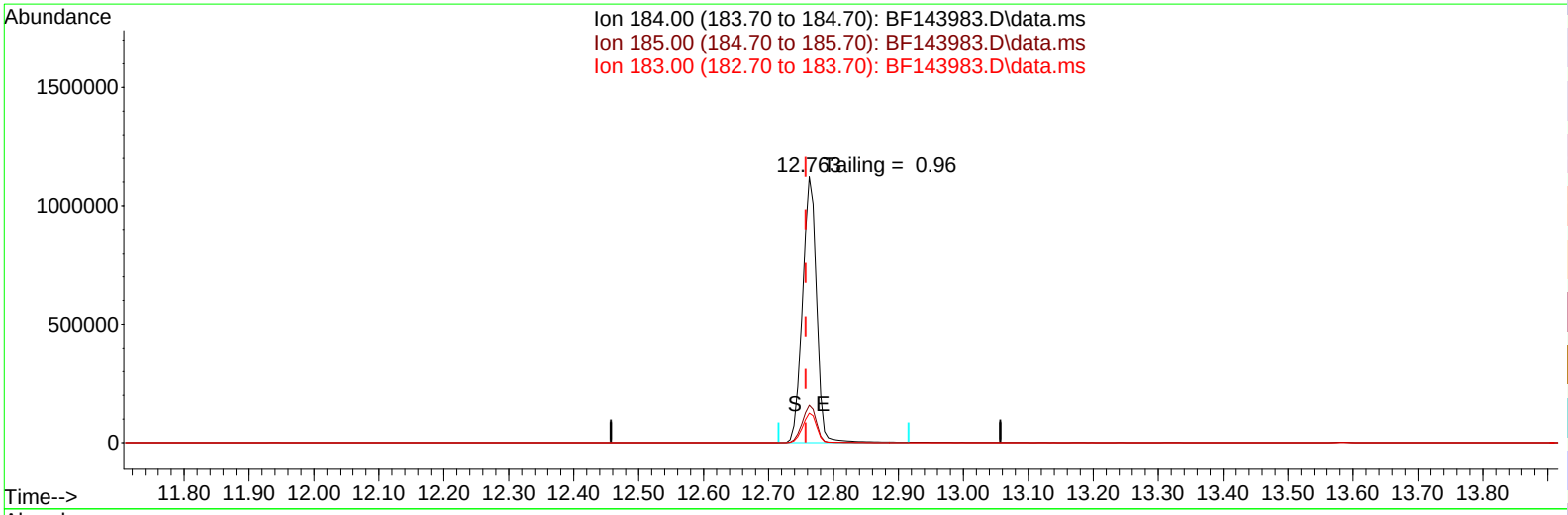
response 515849

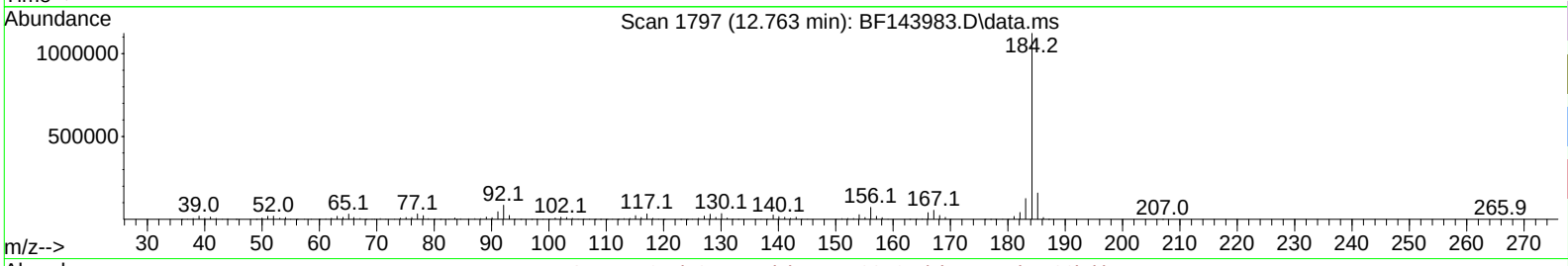
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.70	63.73
264.00	64.70	63.39
0.00	0.00	0.00

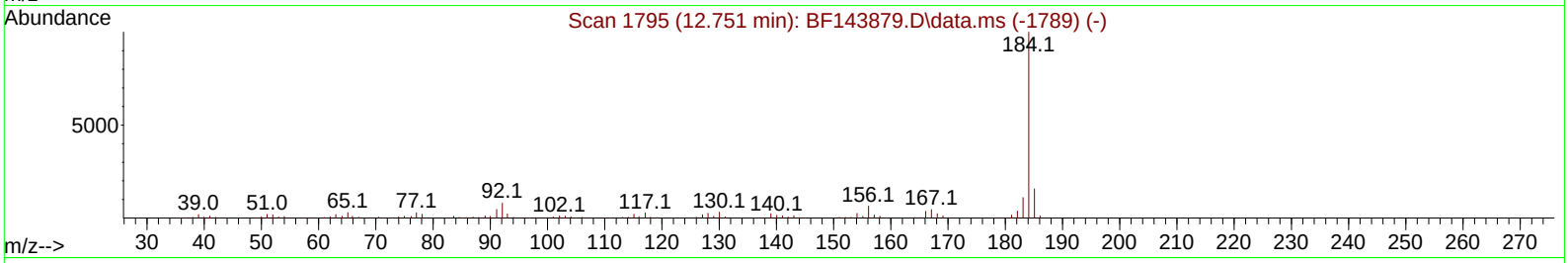
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143983.D
Acq On : 17 Oct 2025 14:14
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 17 15:40:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration







TIC: BF143983.D\data.ms

(77) Benzidine

12.763min (+ 0.006) 0.00 ng

response 1703588

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.70	14.18
183.00	11.00	11.18
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

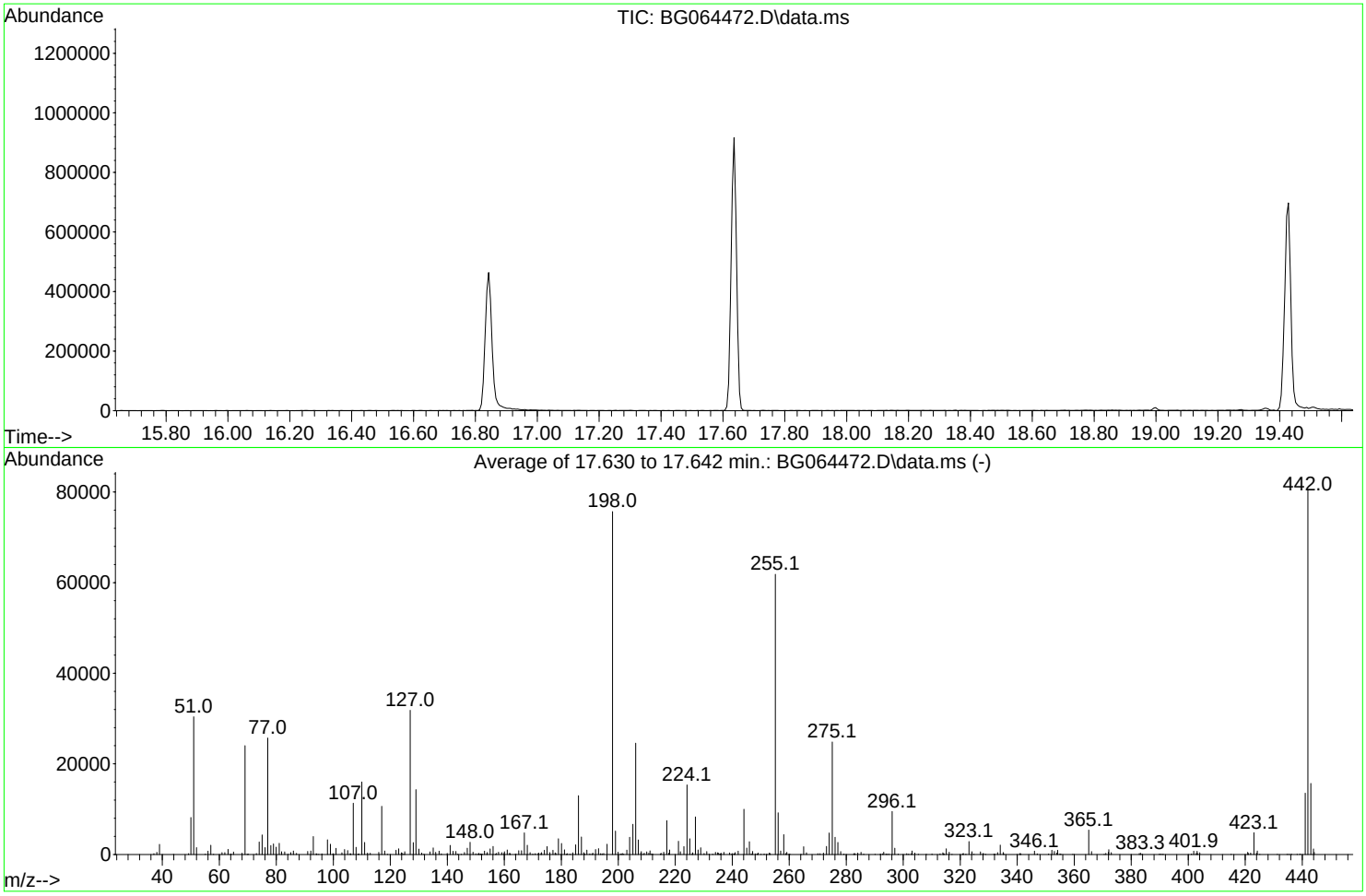
	DDT Breakdown	
Date	**Instrument Name**	**DFTPP Data File**
10/17/2025	**BNA_F**	**BF143983.D**
Compound Name	**Response**	**Retention Time**
DDT	**723581**	**13.586**
DDD	**14575**	**13.28**
DDE	**5521**	**12.945**
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
20096	**743677**	**2.70**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064472.D
Acq On : 2 Oct 2025 8:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 02 16:40:42 2025



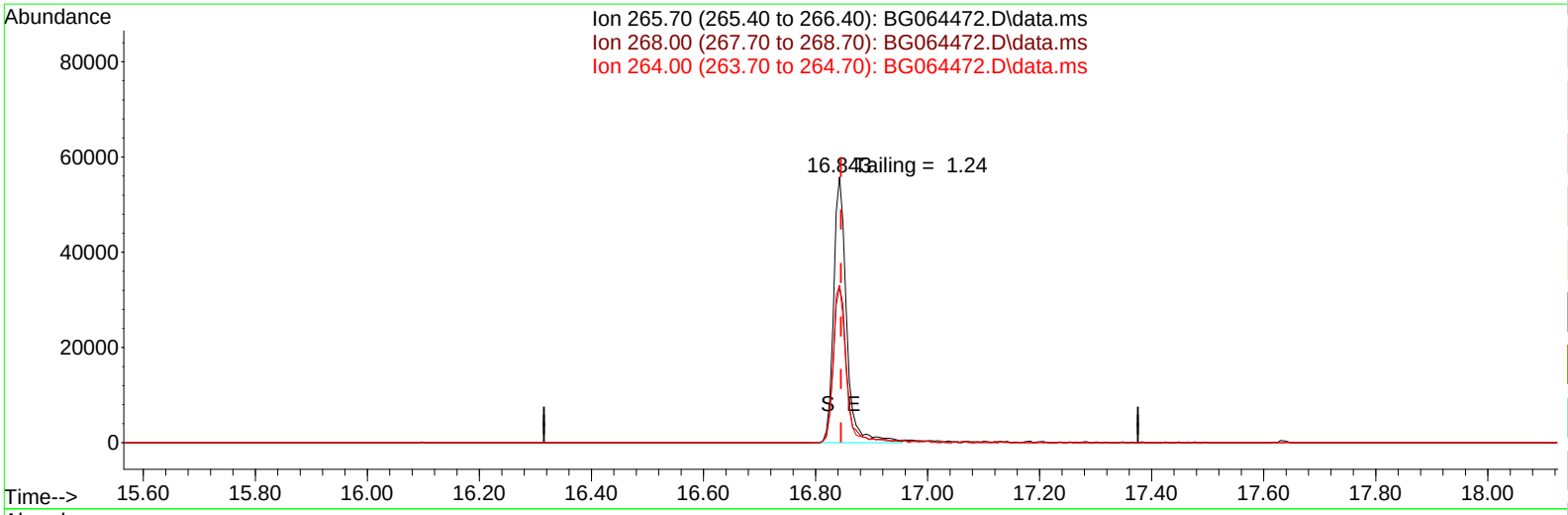
AutoFind: Scans 2475, 2476, 2477; Background Corrected with Scan 2468

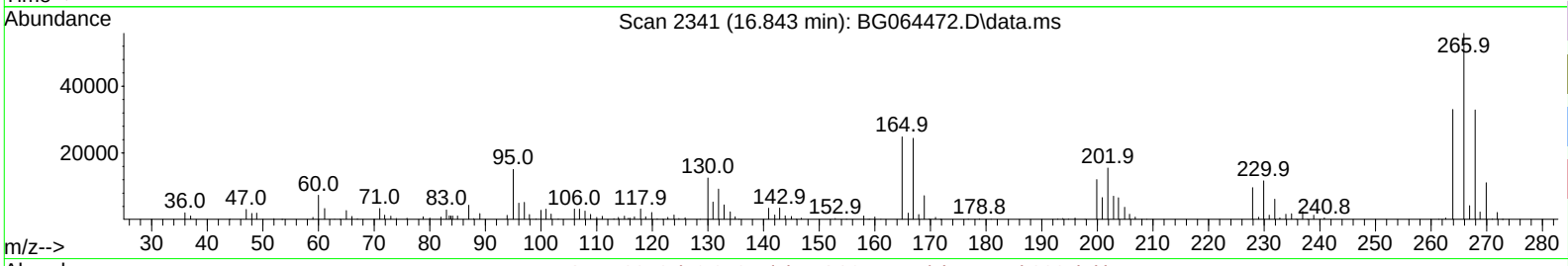
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.1	271	PASS
69	69	100	100	100.0	24008	PASS
70	69	0.00	2	0.4	100	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	75675	PASS
199	198	5	9	6.8	5168	PASS
365	198	1	100	7.1	5406	PASS
441	443	0.01	150	86.2	13521	PASS
442	442	100	100	100.0	80341	PASS
443	442	15	24	19.5	15684	PASS

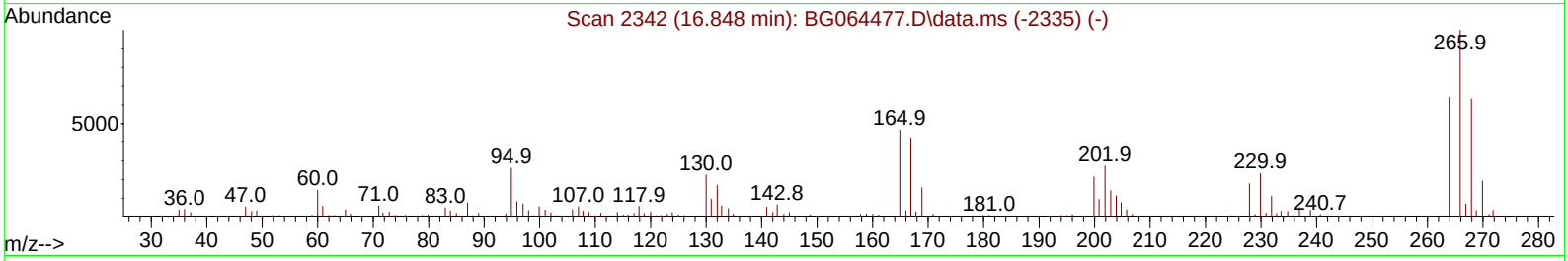
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064472.D
Acq On : 2 Oct 2025 8:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 02 18:07:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration







TIC: BG064472.D\data.ms

(70) Pentachlorophenol (C)

16.843min (-0.002) 190750.25 ng

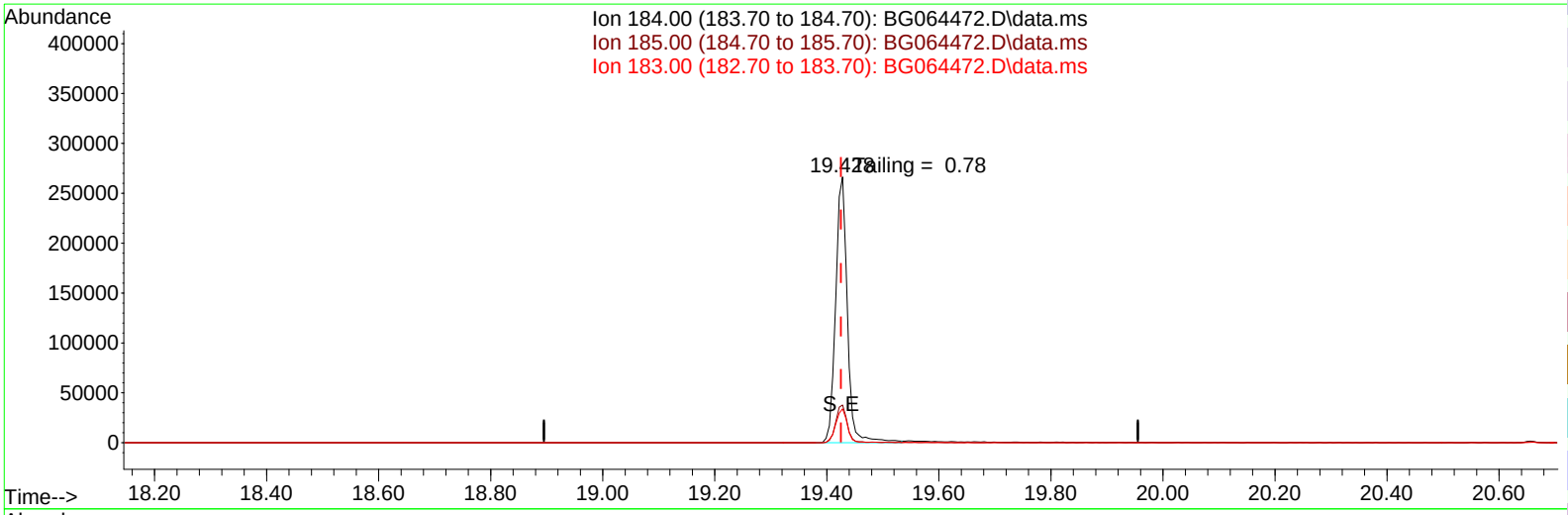
response 90109

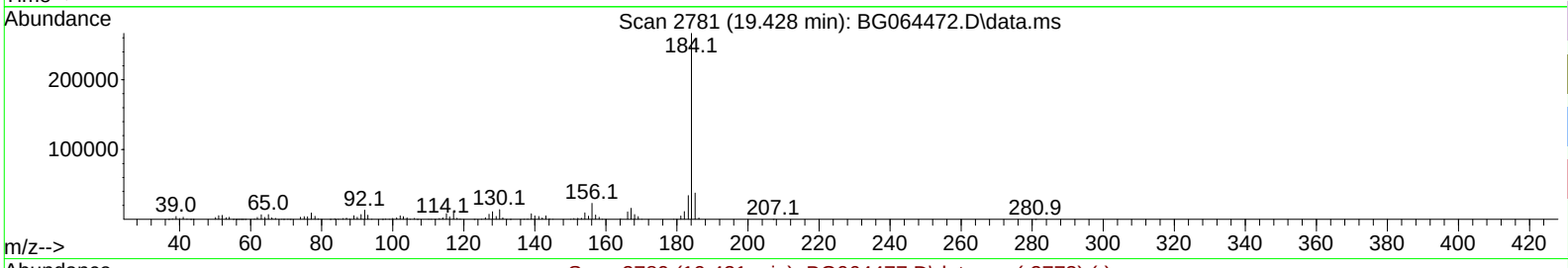
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.20	58.97
264.00	64.00	59.19
0.00	0.00	0.00

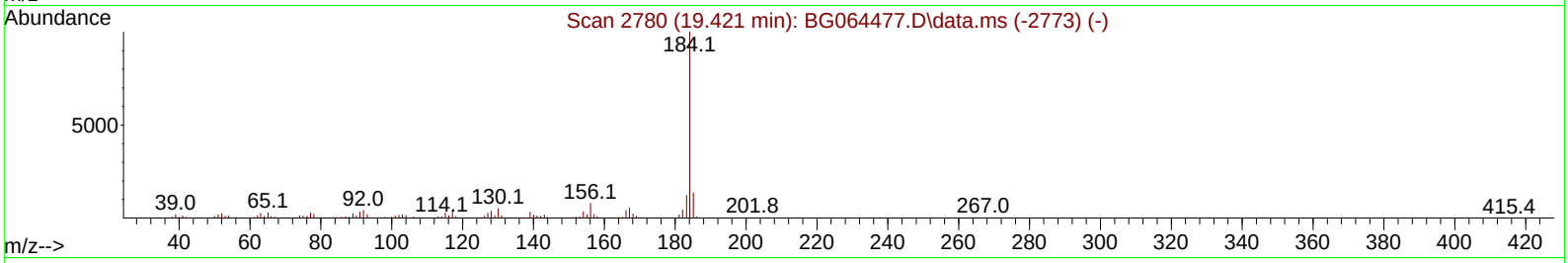
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064472.D
Acq On : 2 Oct 2025 8:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 02 18:07:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration







TIC: BG064472.D\data.ms

(77) Benzidine

19.428min (+ 0.003) 15488.27 ng

response 385018

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.60	14.19
183.00	12.20	12.79
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/2/2025	BNA_G	BG064472.D
Compound Name	**Response**	**Retention Time**
DDT	287203	20.656
DDD	3381	20.221
DDE	0	19.728
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
3381	290584	1.16

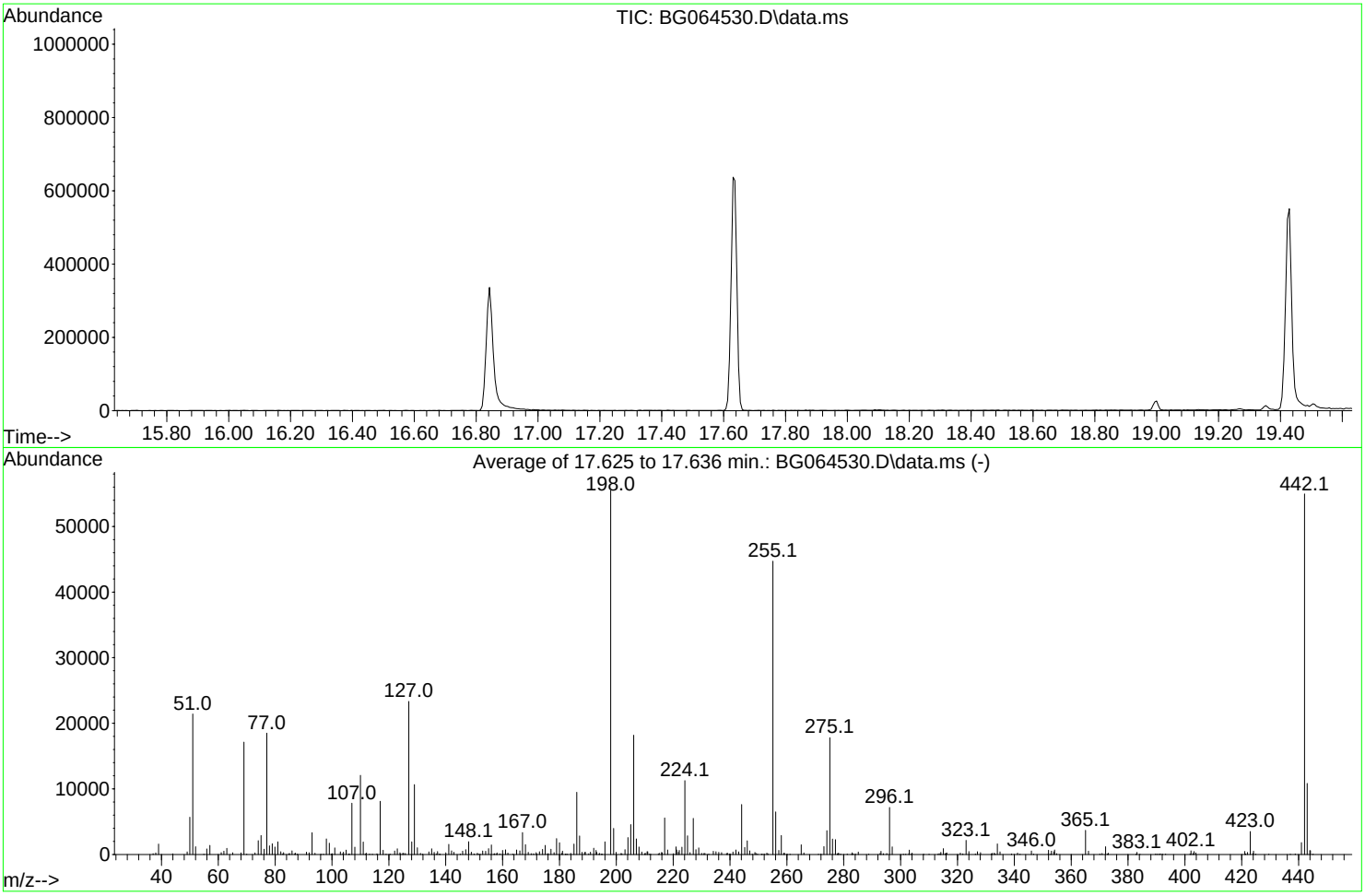
Sample Results: **BG064530.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064530.D
Acq On : 17 Oct 2025 10:59
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 02 16:40:42 2025



AutoFind: Scans 2474, 2475, 2476; Background Corrected with Scan 2468

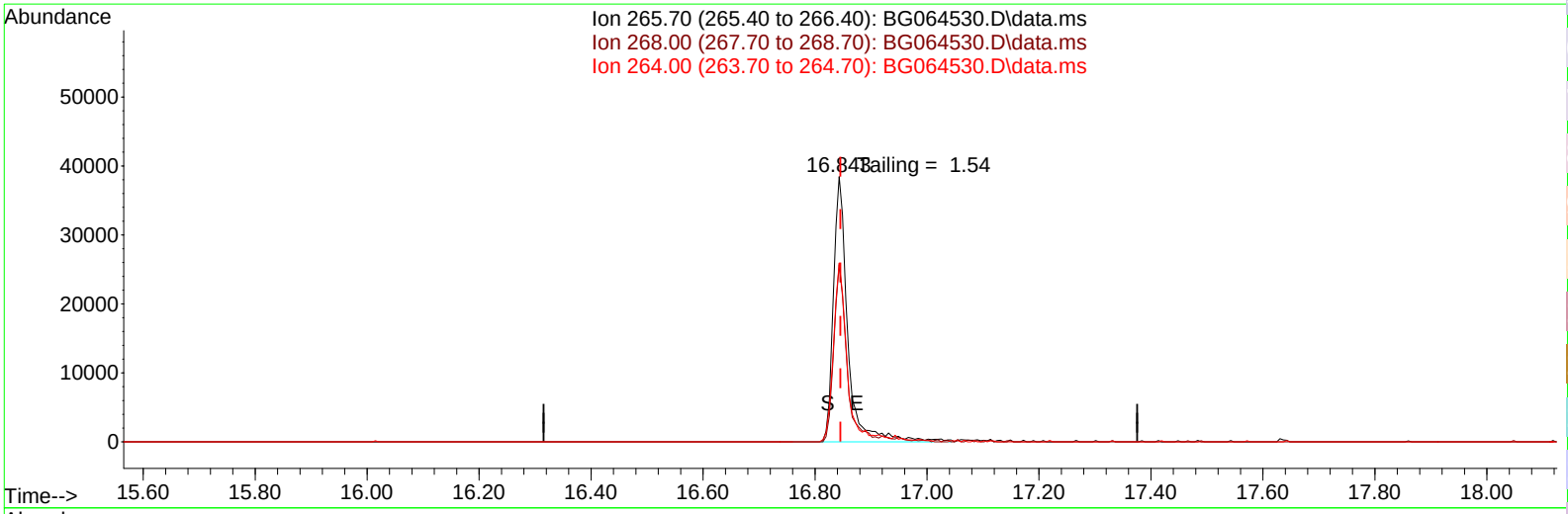
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.4	234	PASS
69	69	100	100	100.0	17124	PASS
70	69	0.00	2	0.4	68	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	55491	PASS
199	198	5	9	7.2	3979	PASS
365	198	1	100	6.6	3684	PASS
441	443	0.01	150	16.7	1803	PASS
442	442	100	100	100.0	54965	PASS
443	442	15	24	19.7	10823	PASS

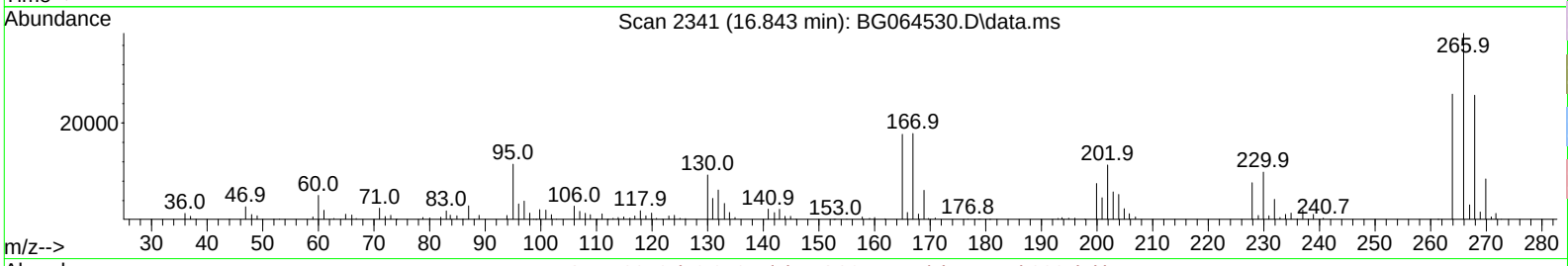
Sample Results: **BG064530.D**

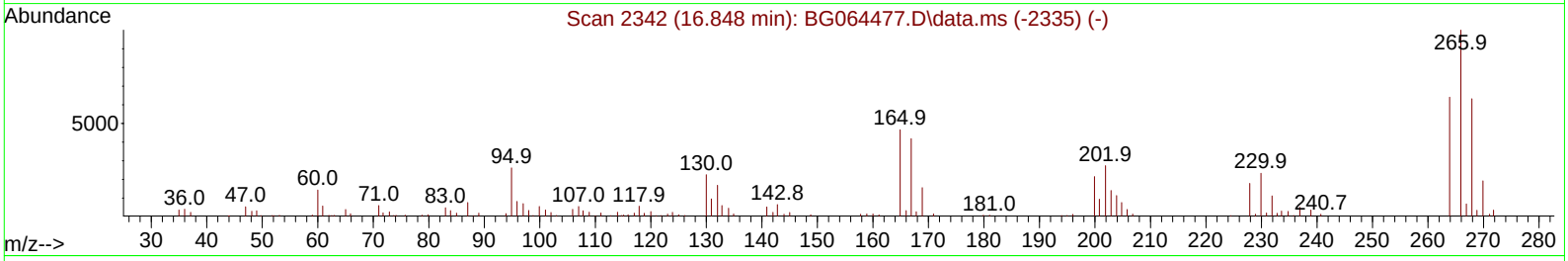
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064530.D
Acq On : 17 Oct 2025 10:59
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 17 11:35:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration







TIC: BG064530.D\data.ms

(70) Pentachlorophenol (C)

16.843min (-0.002) 25263.60 ng

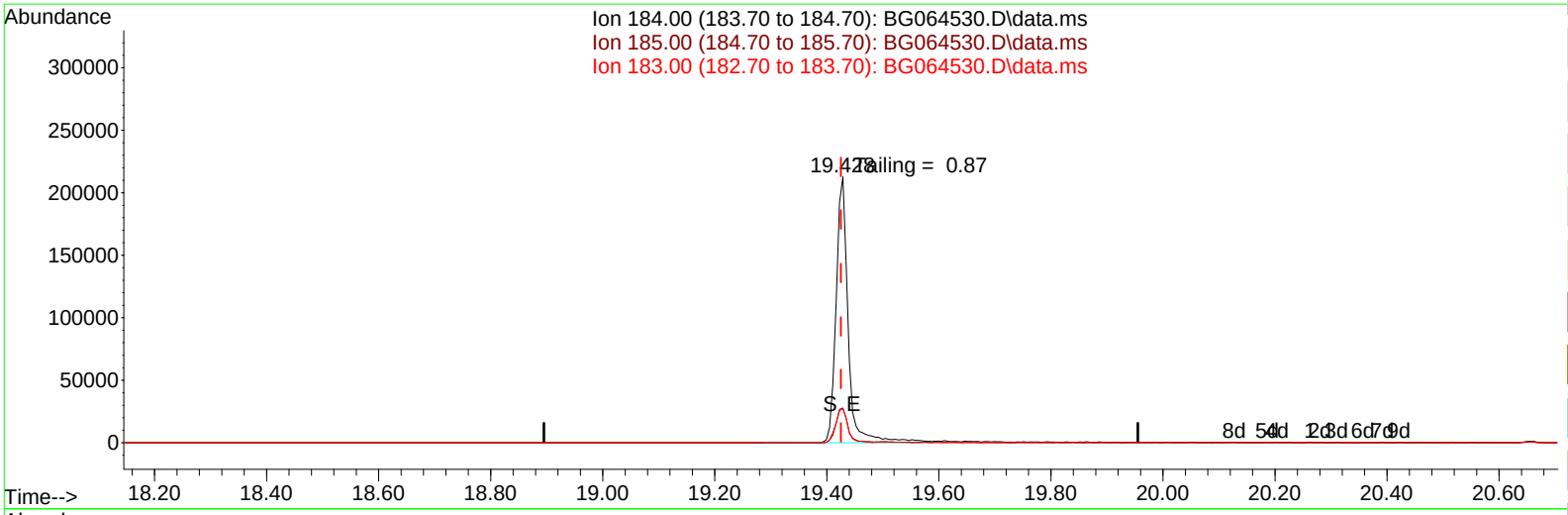
response 67429

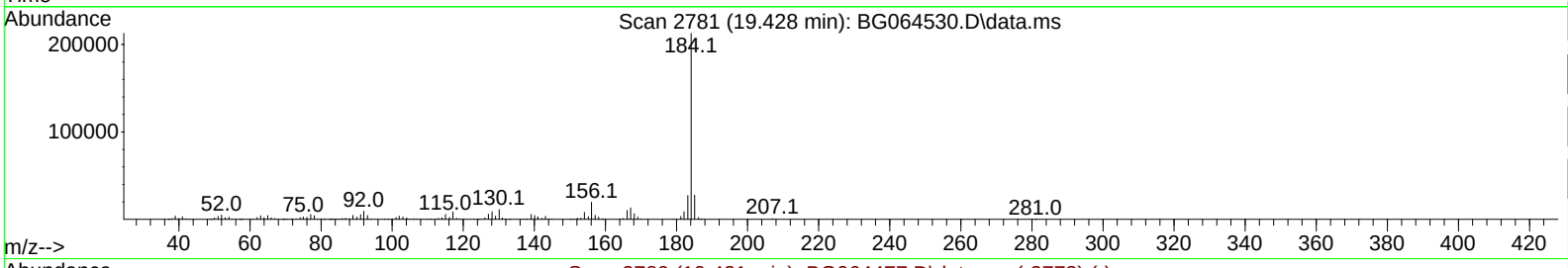
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.20	66.85
264.00	64.00	67.43
0.00	0.00	0.00

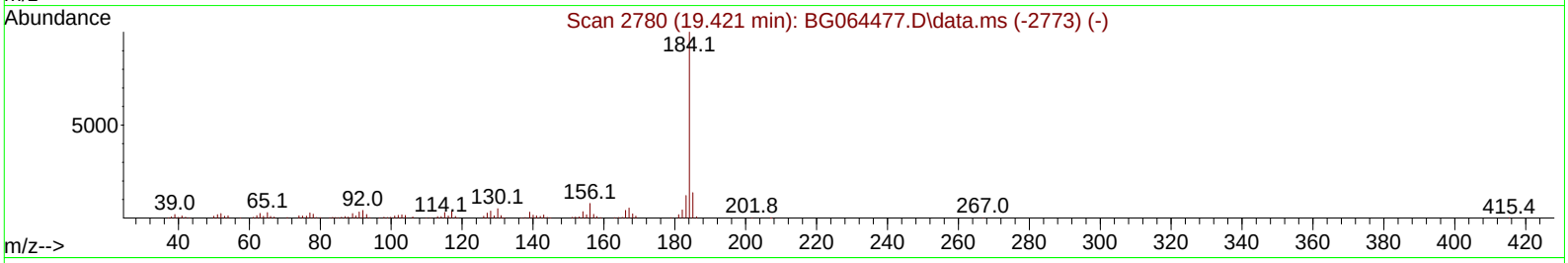
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064530.D
Acq On : 17 Oct 2025 10:59
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 17 11:35:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration







TIC: BG064530.D\data.ms

(77) Benzidine

19.428min (+ 0.003) 197325.20 ng m

response 319160

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.60	13.09
183.00	12.20	12.79
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/17/2025	BNA_G	BG064530.D
Compound Name	**Response**	**Retention Time**
DDT	235454	20.656
DDD	2620	20.216
DDE	61	19.946
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
2681	238135	1.13

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170144BL	SDG No.:	Q3363
Lab Sample ID:	PB170144BL	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	330	U	1	160	330	ug/Kg	10/17/25 13:02	PB170144
108-95-2	Phenol	170	U	1	22.1	170	ug/Kg	10/17/25 13:02	PB170144
111-44-4	bis(2-Chloroethyl)ether	170	U	1	24.3	170	ug/Kg	10/17/25 13:02	PB170144
95-57-8	2-Chlorophenol	170	U	1	24.4	170	ug/Kg	10/17/25 13:02	PB170144
95-48-7	2-Methylphenol	170	U	1	29.9	170	ug/Kg	10/17/25 13:02	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	1	37.5	170	ug/Kg	10/17/25 13:02	PB170144
98-86-2	Acetophenone	170	U	1	29.5	170	ug/Kg	10/17/25 13:02	PB170144
65794-96-9	3+4-Methylphenols	330	U	1	41.1	330	ug/Kg	10/17/25 13:02	PB170144
621-64-7	n-Nitroso-di-n-propylamine	79.9	U	1	47.4	79.9	ug/Kg	10/17/25 13:02	PB170144
67-72-1	Hexachloroethane	170	U	1	17.6	170	ug/Kg	10/17/25 13:02	PB170144
98-95-3	Nitrobenzene	170	U	1	18.3	170	ug/Kg	10/17/25 13:02	PB170144
78-59-1	Isophorone	170	U	1	32.8	170	ug/Kg	10/17/25 13:02	PB170144
88-75-5	2-Nitrophenol	170	U	1	58.1	170	ug/Kg	10/17/25 13:02	PB170144
105-67-9	2,4-Dimethylphenol	170	U	1	64.7	170	ug/Kg	10/17/25 13:02	PB170144
111-91-1	bis(2-Chloroethoxy)methane	170	U	1	30.8	170	ug/Kg	10/17/25 13:02	PB170144
120-83-2	2,4-Dichlorophenol	170	U	1	28.3	170	ug/Kg	10/17/25 13:02	PB170144
91-20-3	Naphthalene	170	U	1	22.7	170	ug/Kg	10/17/25 13:02	PB170144
106-47-8	4-Chloroaniline	170	U	1	35.4	170	ug/Kg	10/17/25 13:02	PB170144
87-68-3	Hexachlorobutadiene	170	U	1	25.3	170	ug/Kg	10/17/25 13:02	PB170144
105-60-2	Caprolactam	330	U	1	52.0	330	ug/Kg	10/17/25 13:02	PB170144
59-50-7	4-Chloro-3-methylphenol	170	U	1	28.7	170	ug/Kg	10/17/25 13:02	PB170144
91-57-6	2-Methylnaphthalene	170	U	1	25.6	170	ug/Kg	10/17/25 13:02	PB170144
77-47-4	Hexachlorocyclopentadiene	330	U	1	120	330	ug/Kg	10/17/25 13:02	PB170144
88-06-2	2,4,6-Trichlorophenol	170	U	1	19.8	170	ug/Kg	10/17/25 13:02	PB170144
95-95-4	2,4,5-Trichlorophenol	170	U	1	29.1	170	ug/Kg	10/17/25 13:02	PB170144
92-52-4	1,1-Biphenyl	170	U	1	21.8	170	ug/Kg	10/17/25 13:02	PB170144
91-58-7	2-Chloronaphthalene	170	U	1	22.5	170	ug/Kg	10/17/25 13:02	PB170144
88-74-4	2-Nitroaniline	170	U	1	48.1	170	ug/Kg	10/17/25 13:02	PB170144
131-11-3	Dimethylphthalate	170	U	1	27.1	170	ug/Kg	10/17/25 13:02	PB170144
208-96-8	Acenaphthylene	170	U	1	28.9	170	ug/Kg	10/17/25 13:02	PB170144
606-20-2	2,6-Dinitrotoluene	170	U	1	33.6	170	ug/Kg	10/17/25 13:02	PB170144
99-09-2	3-Nitroaniline	170	U	1	46.0	170	ug/Kg	10/17/25 13:02	PB170144
83-32-9	Acenaphthene	170	U	1	21.3	170	ug/Kg	10/17/25 13:02	PB170144
51-28-5	2,4-Dinitrophenol	330	U	1	230	330	ug/Kg	10/17/25 13:02	PB170144
100-02-7	4-Nitrophenol	330	U	1	110	330	ug/Kg	10/17/25 13:02	PB170144
132-64-9	Dibenzofuran	170	U	1	22.7	170	ug/Kg	10/17/25 13:02	PB170144
121-14-2	2,4-Dinitrotoluene	170	U	1	50.0	170	ug/Kg	10/17/25 13:02	PB170144
84-66-2	Diethylphthalate	170	U	1	28.3	170	ug/Kg	10/17/25 13:02	PB170144
7005-72-3	4-Chlorophenyl-phenylether	170	U	1	26.7	170	ug/Kg	10/17/25 13:02	PB170144
86-73-7	Fluorene	170	U	1	25.3	170	ug/Kg	10/17/25 13:02	PB170144
100-01-6	4-Nitroaniline	170	U	1	64.1	170	ug/Kg	10/17/25 13:02	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	330	U	1	100	330	ug/Kg	10/17/25 13:02	PB170144

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170144BL	SDG No.:	Q3363
Lab Sample ID:	PB170144BL	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	170	U	1	32.9	170	ug/Kg	10/17/25 13:02	PB170144
101-55-3	4-Bromophenyl-phenylether	170	U	1	27.8	170	ug/Kg	10/17/25 13:02	PB170144
118-74-1	Hexachlorobenzene	170	U	1	25.3	170	ug/Kg	10/17/25 13:02	PB170144
1912-24-9	Atrazine	170	U	1	34.0	170	ug/Kg	10/17/25 13:02	PB170144
87-86-5	Pentachlorophenol	330	U	1	51.2	330	ug/Kg	10/17/25 13:02	PB170144
85-01-8	Phenanthrene	170	U	1	20.9	170	ug/Kg	10/17/25 13:02	PB170144
120-12-7	Anthracene	170	U	1	33.3	170	ug/Kg	10/17/25 13:02	PB170144
86-74-8	Carbazole	170	U	1	31.2	170	ug/Kg	10/17/25 13:02	PB170144
84-74-2	Di-n-butylphthalate	170	U	1	47.9	170	ug/Kg	10/17/25 13:02	PB170144
206-44-0	Fluoranthene	170	U	1	30.0	170	ug/Kg	10/17/25 13:02	PB170144
129-00-0	Pyrene	170	U	1	36.0	170	ug/Kg	10/17/25 13:02	PB170144
85-68-7	Butylbenzylphthalate	170	U	1	71.3	170	ug/Kg	10/17/25 13:02	PB170144
91-94-1	3,3-Dichlorobenzidine	330	U	1	36.7	330	ug/Kg	10/17/25 13:02	PB170144
56-55-3	Benzo(a)anthracene	170	U	1	23.0	170	ug/Kg	10/17/25 13:02	PB170144
218-01-9	Chrysene	170	U	1	19.9	170	ug/Kg	10/17/25 13:02	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	1	59.1	170	ug/Kg	10/17/25 13:02	PB170144
117-84-0	Di-n-octyl phthalate	330	U	1	86.7	330	ug/Kg	10/17/25 13:02	PB170144
205-99-2	Benzo(b)fluoranthene	170	U	1	19.0	170	ug/Kg	10/17/25 13:02	PB170144
207-08-9	Benzo(k)fluoranthene	170	U	1	22.4	170	ug/Kg	10/17/25 13:02	PB170144
50-32-8	Benzo(a)pyrene	170	U	1	29.5	170	ug/Kg	10/17/25 13:02	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	1	29.1	170	ug/Kg	10/17/25 13:02	PB170144
53-70-3	Dibenzo(a,h)anthracene	170	U	1	27.4	170	ug/Kg	10/17/25 13:02	PB170144
191-24-2	Benzo(g,h,i)perylene	170	U	1	25.7	170	ug/Kg	10/17/25 13:02	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	1	25.6	170	ug/Kg	10/17/25 13:02	PB170144
123-91-1	1,4-Dioxane	170	U	1	45.2	170	ug/Kg	10/17/25 13:02	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	1	27.4	170	ug/Kg	10/17/25 13:02	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	158			18 - 112	106%	SPK: 150		
13127-88-3	Phenol-d6	146			15 - 107	97%	SPK: 150		
4165-60-0	Nitrobenzene-d5	93.6			18 - 107	94%	SPK: 100		
321-60-8	2-Fluorobiphenyl	95.0			20 - 109	95%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	147			10 - 116	98%	SPK: 150		
1718-51-0	Terphenyl-d14	101			10 - 105	101%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	15200							
1146-65-2	Naphthalene-d8	64000							
15067-26-2	Acenaphthene-d10	48000							
1517-22-2	Phenanthrene-d10	119000							
1719-03-5	Chrysene-d12	136000							
1520-96-3	Perylene-d12	150000							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM			Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206			Date Received:	
Client Sample ID:	PB170144BL			SDG No.:	Q3363
Lab Sample ID:	PB170144BL			Matrix:	SOIL
Analytical Method:	8270E	Level :	LOW	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064533.D
Acq On : 17 Oct 2025 13:02
Operator : RC/JU
Sample : PB170144BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170144BL

Quant Time: Oct 17 13:38:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

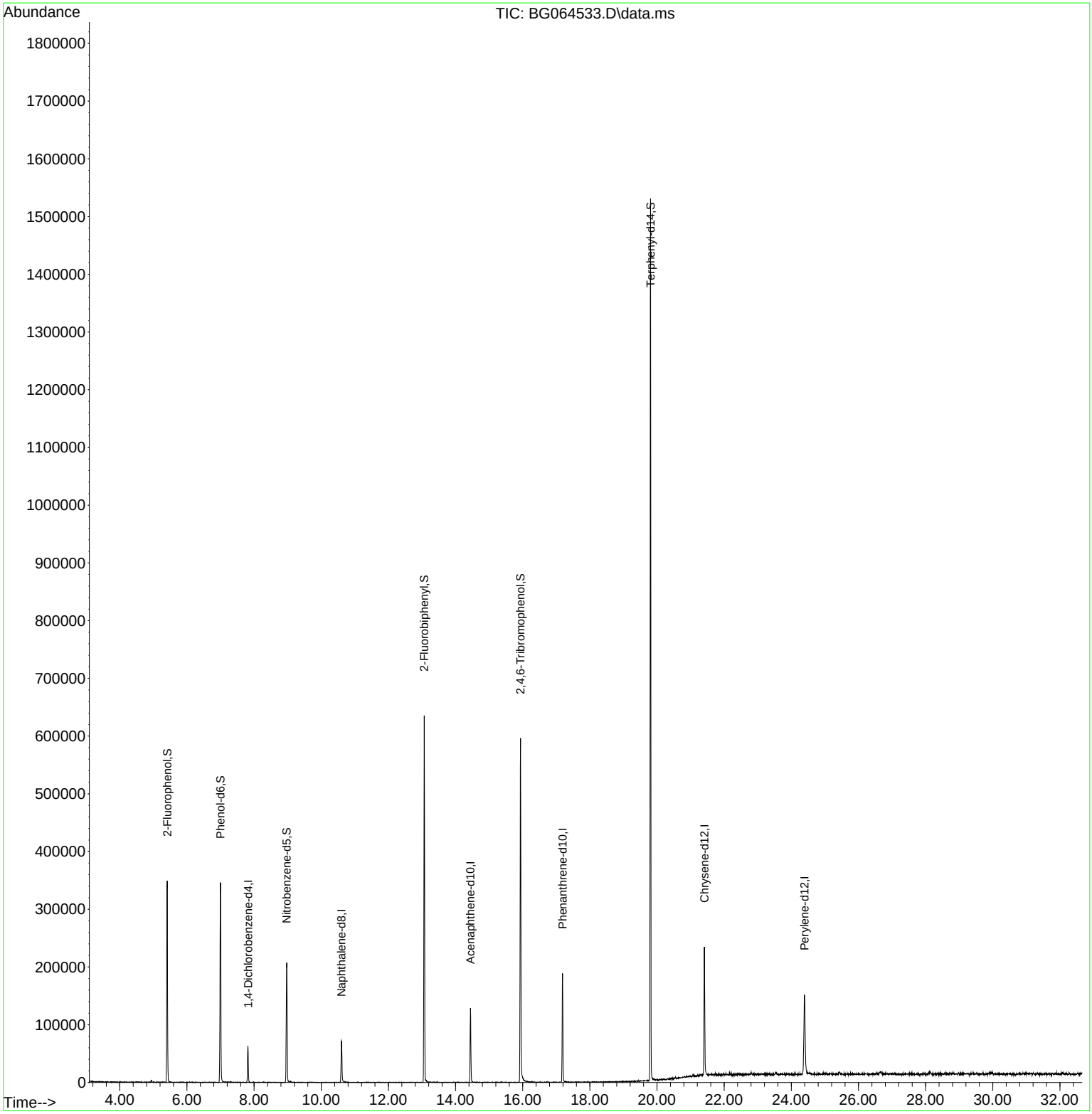
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.823	152	15169	20.000	ng	# 0.00
21) Naphthalene-d8	10.602	136	63951	20.000	ng	0.00
39) Acenaphthene-d10	14.444	164	47990	20.000	ng	0.00
64) Phenanthrene-d10	17.188	188	119250	20.000	ng	0.00
76) Chrysene-d12	21.413	240	136283	20.000	ng	0.00
86) Perylene-d12	24.391	264	149804	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	129795	158.355	ng	0.00
7) Phenol-d6	7.000	99	160586	145.793	ng	0.01
23) Nitrobenzene-d5	8.968	82	111284	93.567	ng	0.00
42) 2,4,6-Tribromophenol	15.937	330	128223	147.402	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	309416	95.036	ng	0.00
79) Terphenyl-d14	19.809	244	727588	101.037	ng	0.00
Target Compounds						Qvalue

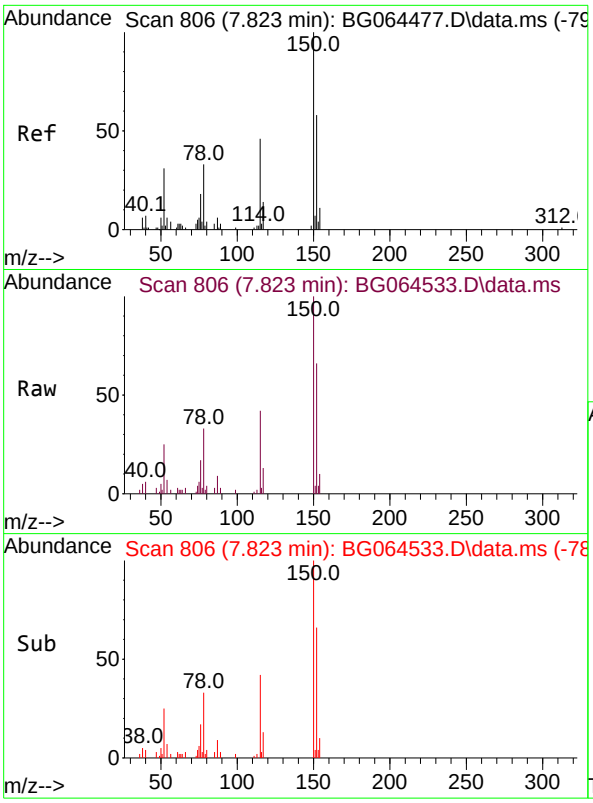
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064533.D
Acq On : 17 Oct 2025 13:02
Operator : RC/JU
Sample : PB170144BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170144BL

Quant Time: Oct 17 13:38:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration



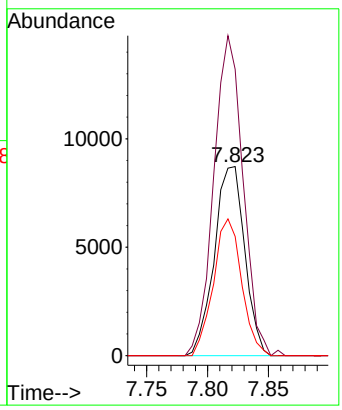


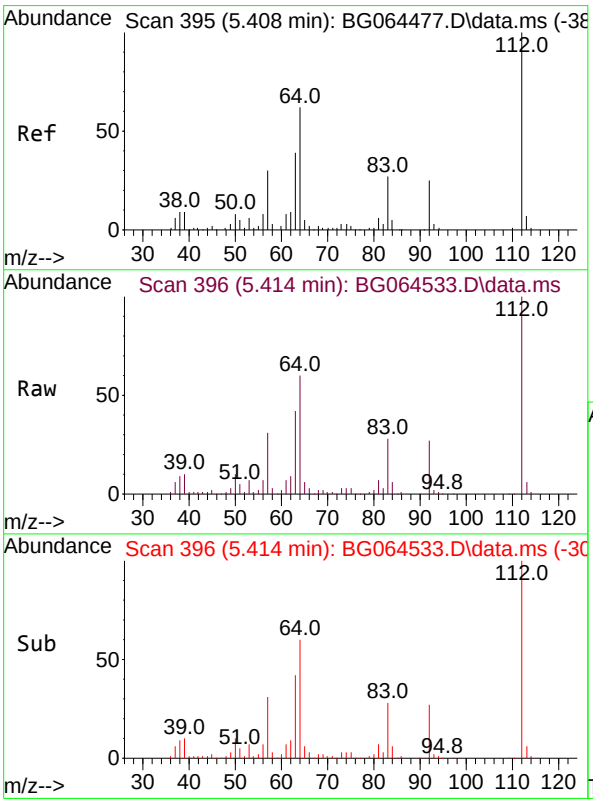
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.823 min Scan# 80
Delta R.T. 0.003 min
Lab File: BG064533.D
Acq: 17 Oct 2025 13:02

Instrument :
BNA_G
ClientSampleId :
PB170144BL

Tgt Ion:152 Resp: 15169

Ion	Ratio	Lower	Upper
152	100		
150	151.5	138.6	207.8
115	63.0	63.4	95.2#

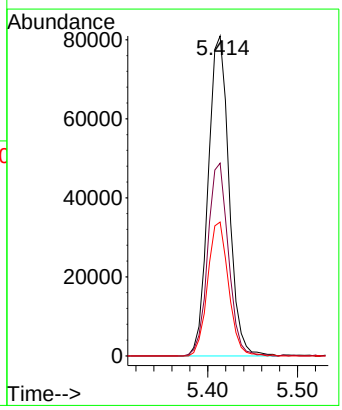


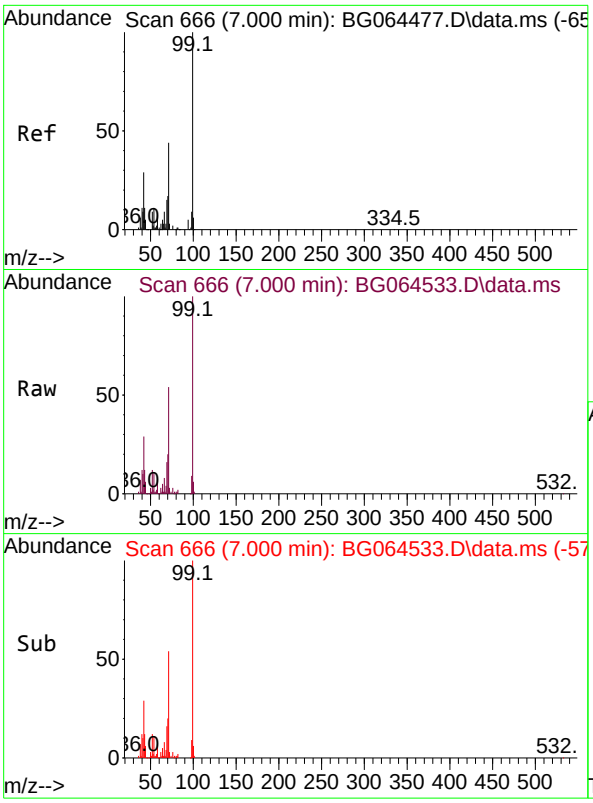


#5
2-Fluorophenol
Concen: 158.355 ng
RT: 5.414 min Scan# 396
Delta R.T. 0.008 min
Lab File: BG064533.D
Acq: 17 Oct 2025 13:02

Tgt Ion:112 Resp: 129795

Ion	Ratio	Lower	Upper
112	100		
64	60.2	49.8	74.8
63	41.8	31.3	46.9



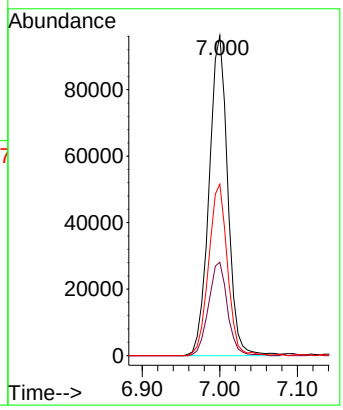


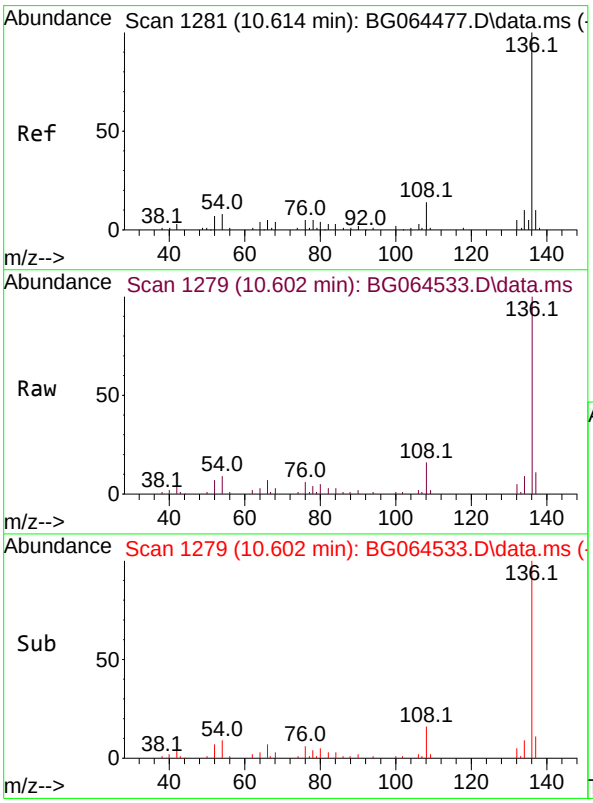
#7
Phenol-d6
Concen: 145.793 ng
RT: 7.000 min Scan# 6
Delta R.T. 0.014 min
Lab File: BG064533.D
Acq: 17 Oct 2025 13:02

Instrument :
BNA_G
ClientSampleId :
PB170144BL

Tgt Ion: 99 Resp: 160586

Ion	Ratio	Lower	Upper
99	100		
42	29.2	22.9	34.3
71	53.6	35.4	53.2#

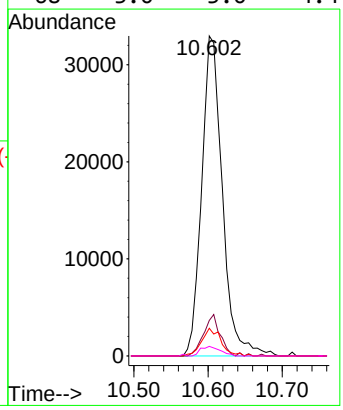


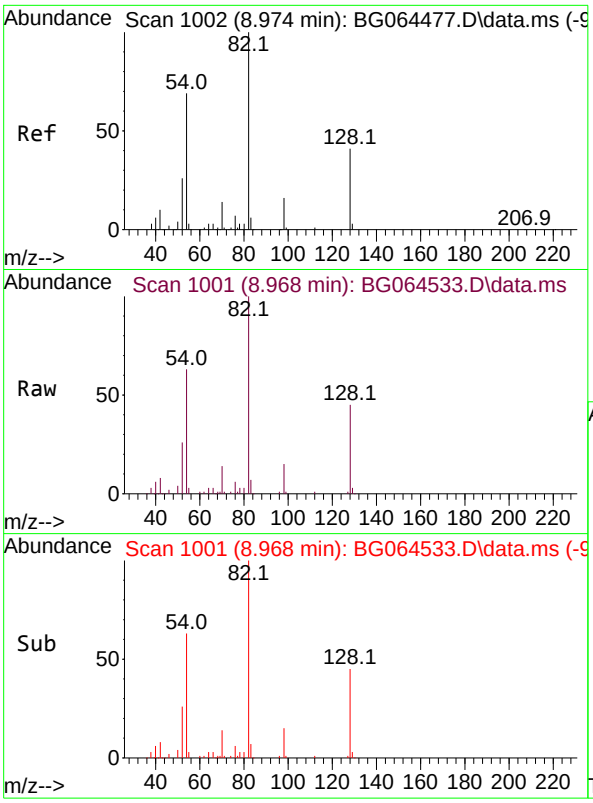


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.602 min Scan# 1279
Delta R.T. -0.004 min
Lab File: BG064533.D
Acq: 17 Oct 2025 13:02

Tgt Ion:136 Resp: 63951

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.3	12.5
54	8.6	6.2	9.4
68	3.0	3.0	4.4



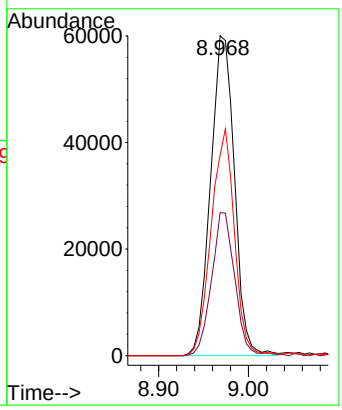


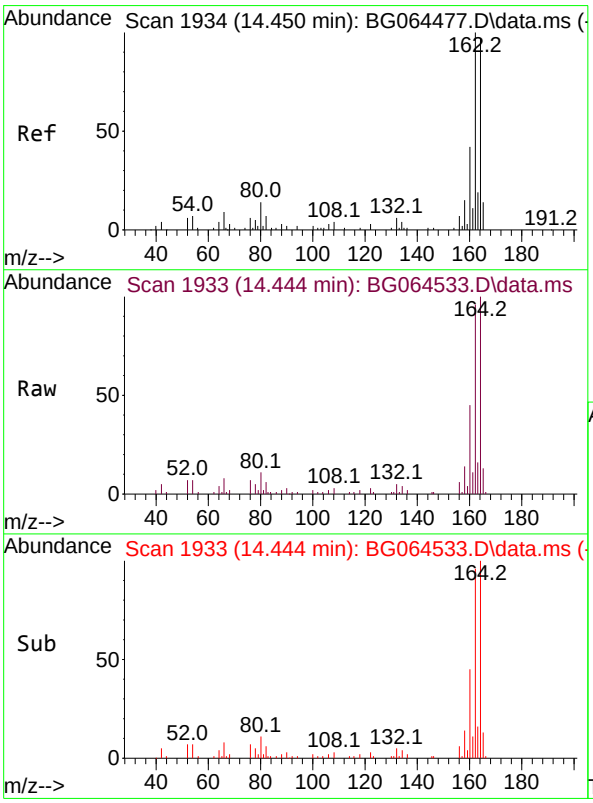
#23
Nitrobenzene-d5
Concen: 93.567 ng
RT: 8.968 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064533.D
Acq: 17 Oct 2025 13:02

Instrument :
BNA_G
ClientSampleId :
PB170144BL

Tgt Ion: 82 Resp: 111284

Ion	Ratio	Lower	Upper
82	100		
128	44.7	33.1	49.7
54	62.7	55.4	83.2

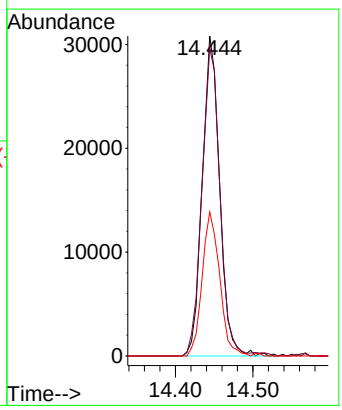


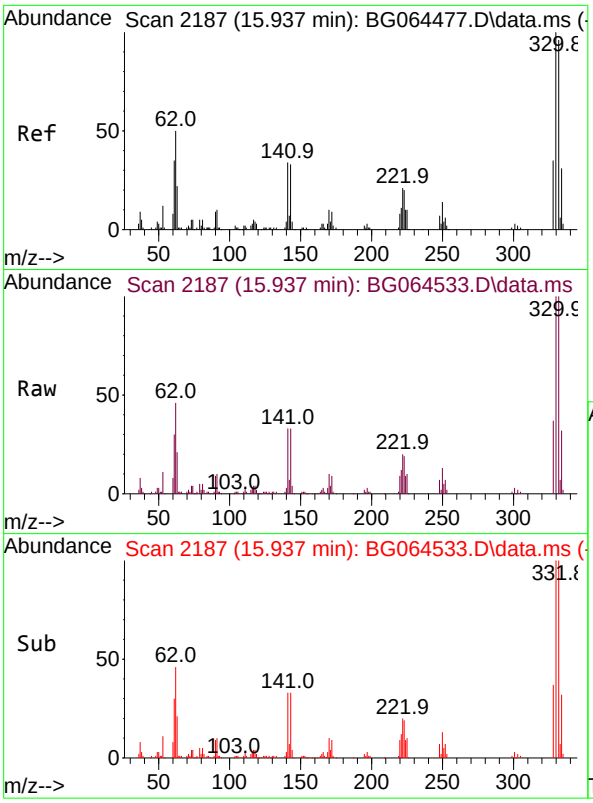


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.444 min Scan# 1933
Delta R.T. -0.004 min
Lab File: BG064533.D
Acq: 17 Oct 2025 13:02

Tgt Ion:164 Resp: 47990

Ion	Ratio	Lower	Upper
164	100		
162	96.2	82.2	123.2
160	45.0	34.3	51.5



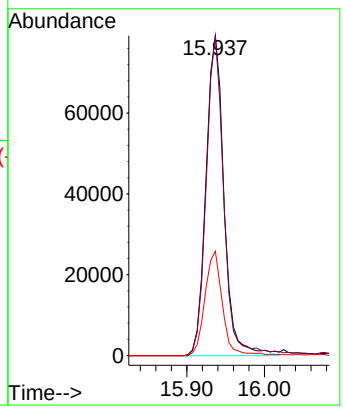


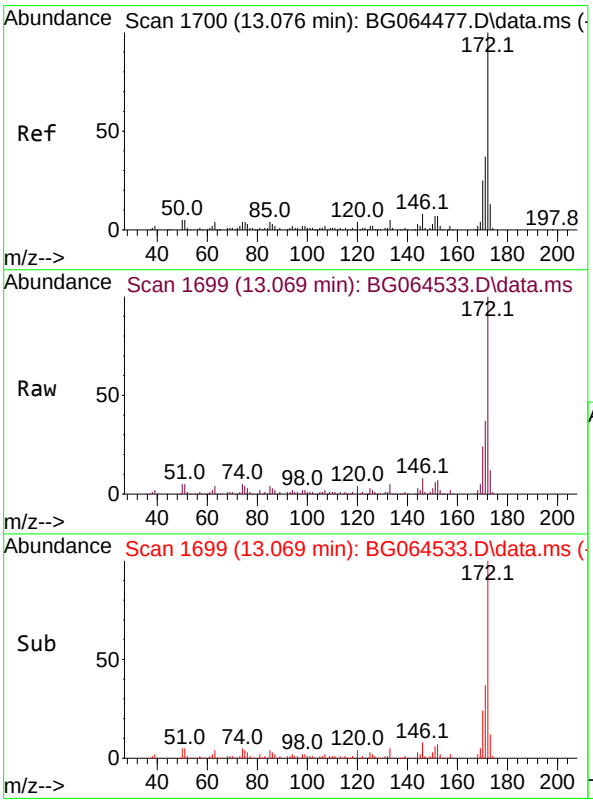
#42
2,4,6-Tribromophenol
Concen: 147.402 ng
RT: 15.937 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064533.D
Acq: 17 Oct 2025 13:02

Instrument :
BNA_G
ClientSampleId :
PB170144BL

Tgt Ion:330 Resp: 128223

Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.4	116.0
141	31.8	25.8	38.6

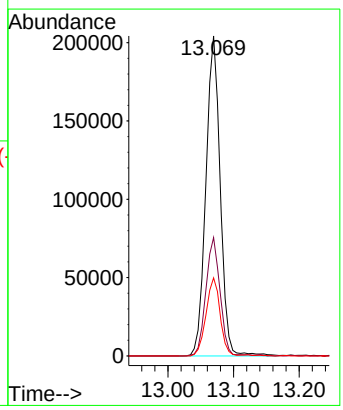


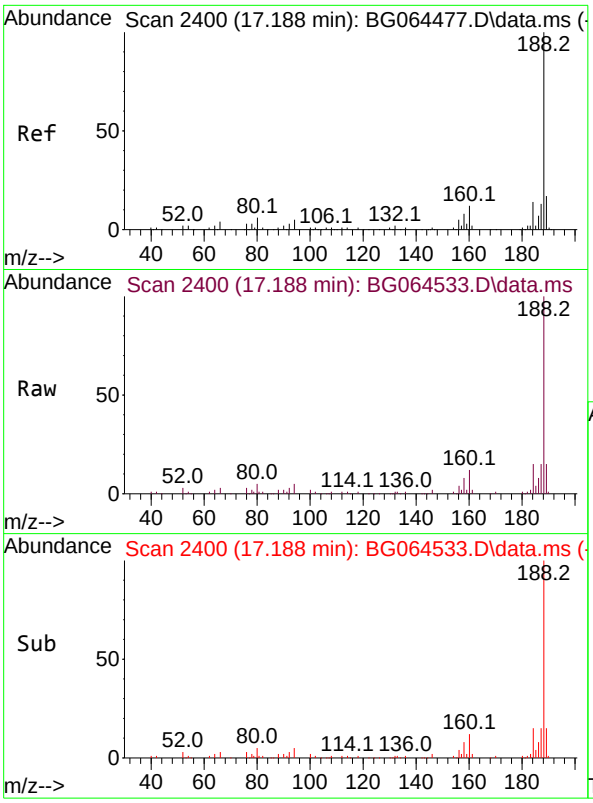


#45
2-Fluorobiphenyl
Concen: 95.036 ng
RT: 13.069 min Scan# 1699
Delta R.T. 0.002 min
Lab File: BG064533.D
Acq: 17 Oct 2025 13:02

Tgt Ion:172 Resp: 309416

Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.6	44.4
170	24.4	20.2	30.2



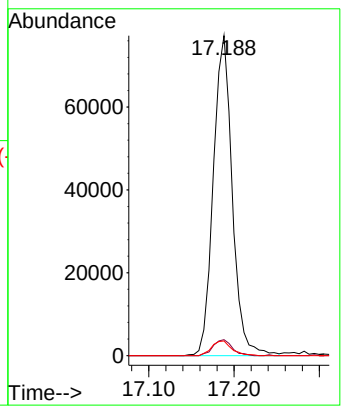


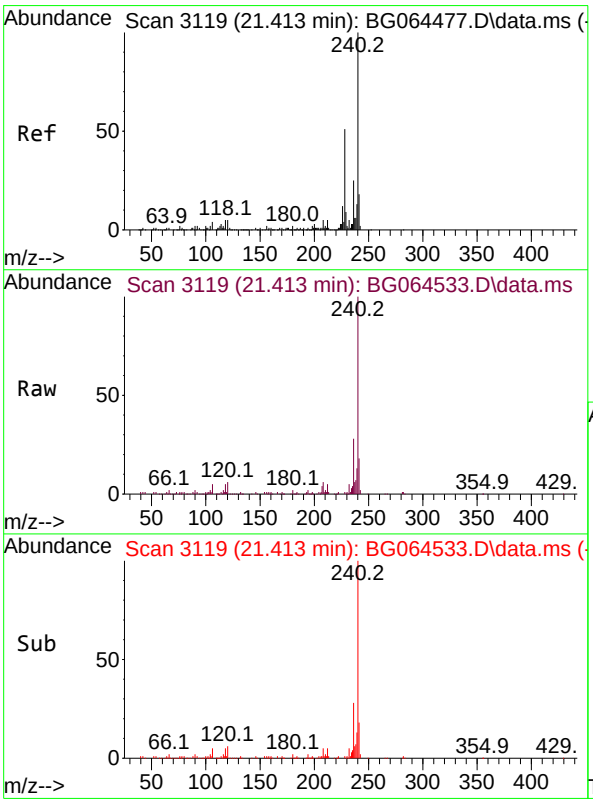
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.188 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064533.D
Acq: 17 Oct 2025 13:02

Instrument :
BNA_G
ClientSampleId :
PB170144BL

Tgt Ion:188 Resp: 119250

Ion	Ratio	Lower	Upper
188	100		
94	5.0	3.7	5.5
80	5.1	4.5	6.7

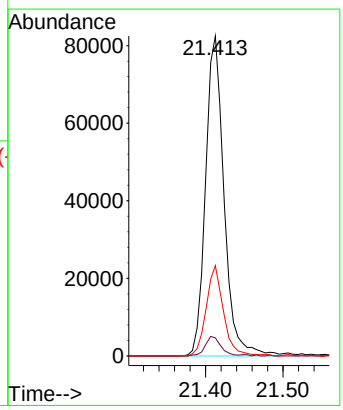


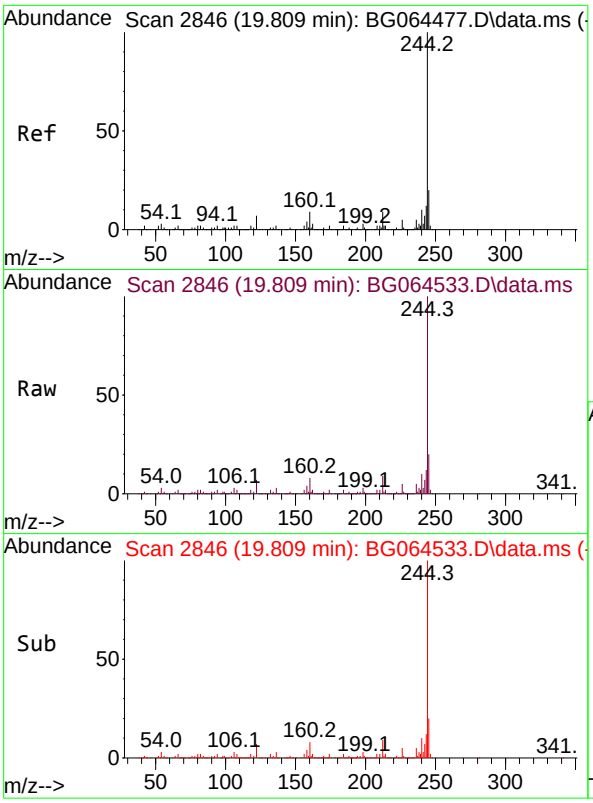


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.413 min Scan# 3119
Delta R.T. 0.003 min
Lab File: BG064533.D
Acq: 17 Oct 2025 13:02

Tgt Ion:240 Resp: 136283

Ion	Ratio	Lower	Upper
240	100		
120	5.6	4.3	6.5
236	28.3	20.4	30.6



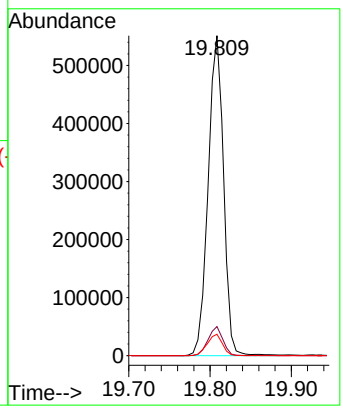


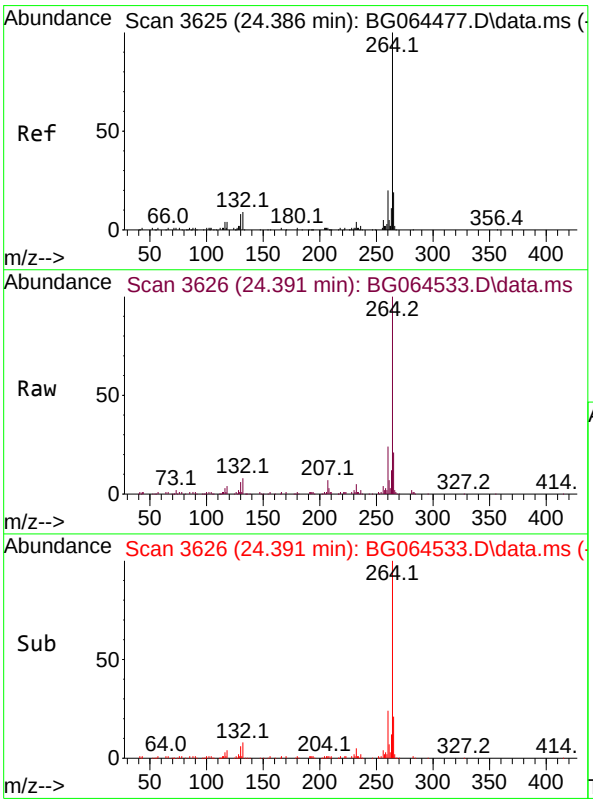
#79
Terphenyl-d14
Concen: 101.037 ng
RT: 19.809 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064533.D
Acq: 17 Oct 2025 13:02

Instrument :
BNA_G
ClientSampleId :
PB170144BL

Tgt Ion:244 Resp: 727588

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.0	10.6
122	6.7	5.6	8.4

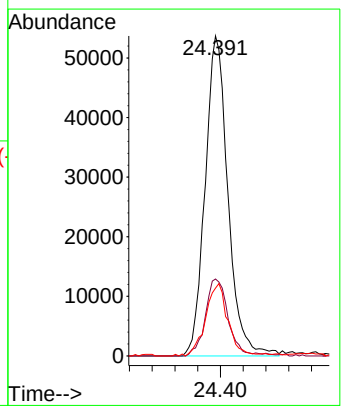




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3626
Delta R.T. 0.002 min
Lab File: BG064533.D
Acq: 17 Oct 2025 13:02

Tgt Ion:264 Resp: 149804

Ion	Ratio	Lower	Upper
264	100		
260	24.0	16.2	24.4
265	21.2	15.0	22.4



Sample Results: **BG064533.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064533.D
Acq On : 17 Oct 2025 13:02
Operator : RC/JU
Sample : PB170144BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170144BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064533.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.414	389	396	407	rBV	349305	554747	27.33%	8.045%
2	7.000	658	666	679	rBV	346335	588017	28.97%	8.528%
3	7.817	799	805	811	rBV	63186	100164	4.94%	1.453%
4	8.974	994	1002	1009	rBV	207298	380269	18.74%	5.515%
5	10.602	1270	1279	1292	rBV	71690	137539	6.78%	1.995%
6	13.069	1692	1699	1705	rBV	635100	943786	46.50%	13.687%
7	14.444	1926	1933	1941	rBV	128632	202244	9.97%	2.933%
8	15.937	2180	2187	2201	rBV	595899	950359	46.83%	13.783%
9	17.188	2394	2400	2411	rVB	187785	283758	13.98%	4.115%
10	19.809	2839	2846	2854	rBV	1527913	2029524	100.00%	29.434%
11	21.413	3113	3119	3130	rBV2	222216	360656	17.77%	5.230%
12	24.391	3617	3626	3638	rVB2	136242	364219	17.95%	5.282%

Sum of corrected areas: 6895282

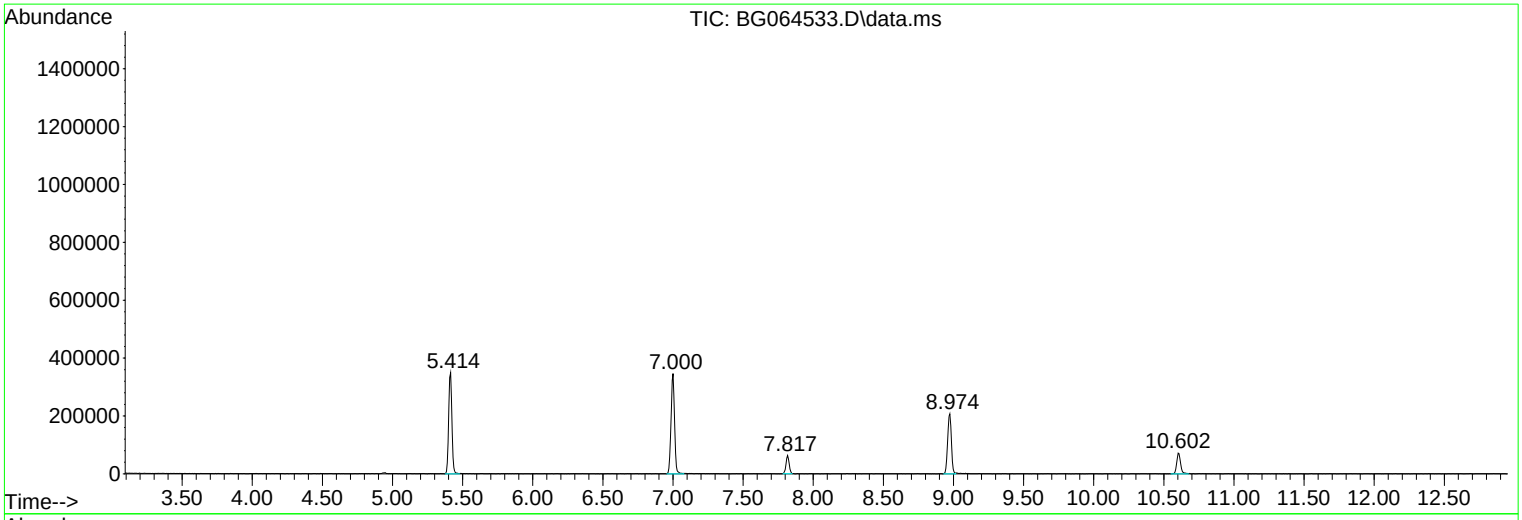
Sample Results: **BG064533.D**

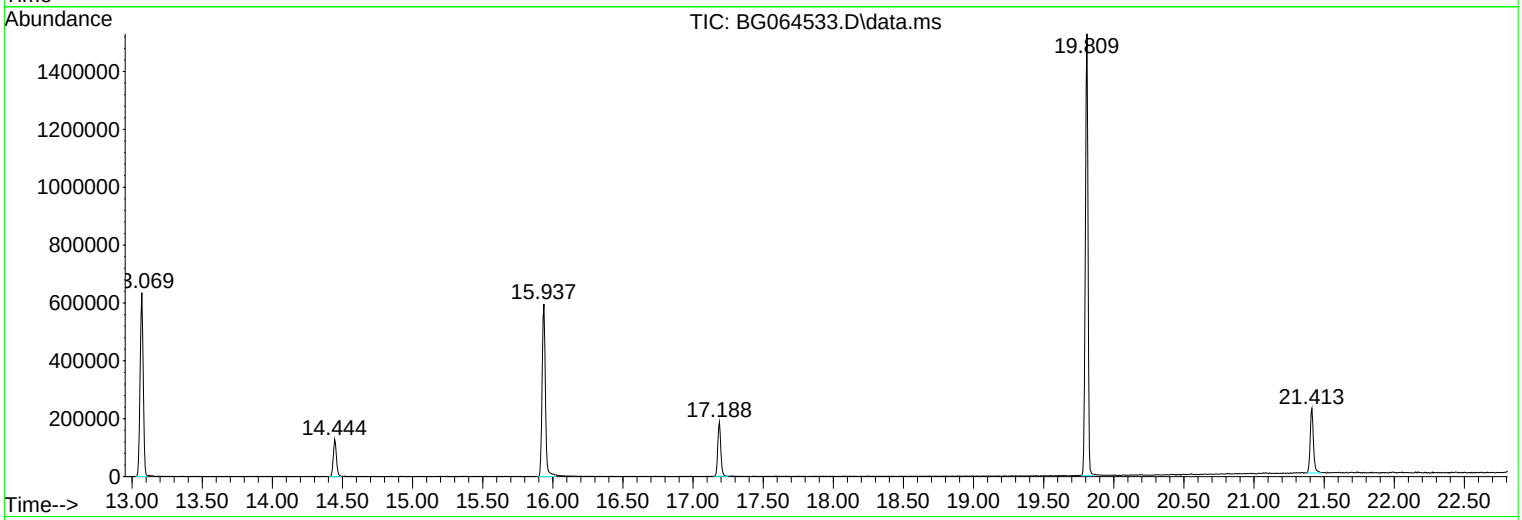
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064533.D
Acq On : 17 Oct 2025 13:02
Operator : RC/JU
Sample : PB170144BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

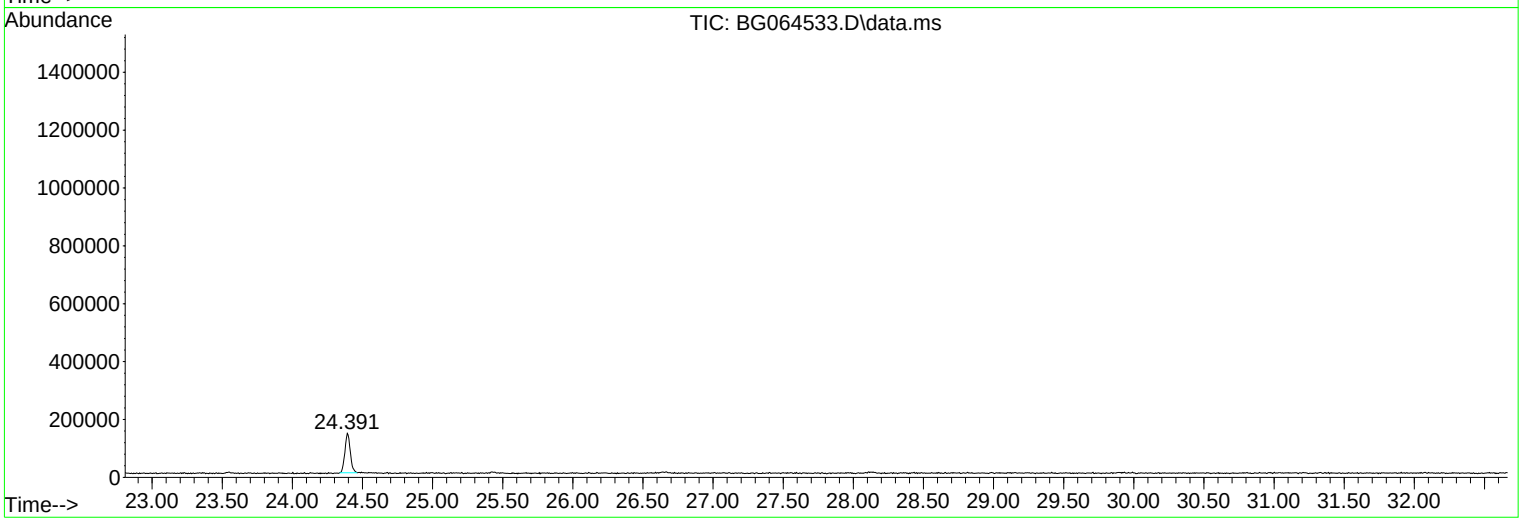
Instrument :
BNA_G
ClientSampleId :
PB170144BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064533.D
Acq On : 17 Oct 2025 13:02
Operator : RC/JU
Sample : PB170144BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170144BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064533.D
Acq On : 17 Oct 2025 13:02
Operator : RC/JU
Sample : PB170144BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170144BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170144BS	SDG No.:	Q3363
Lab Sample ID:	PB170144BS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	710		1	160	330	ug/Kg	10/17/25 13:43	PB170144
108-95-2	Phenol	1700		1	22.1	170	ug/Kg	10/17/25 13:43	PB170144
111-44-4	bis(2-Chloroethyl)ether	1400		1	24.3	170	ug/Kg	10/17/25 13:43	PB170144
95-57-8	2-Chlorophenol	1600		1	24.4	170	ug/Kg	10/17/25 13:43	PB170144
95-48-7	2-Methylphenol	1600		1	29.9	170	ug/Kg	10/17/25 13:43	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	1300		1	37.5	170	ug/Kg	10/17/25 13:43	PB170144
98-86-2	Acetophenone	1600		1	29.5	170	ug/Kg	10/17/25 13:43	PB170144
65794-96-9	3+4-Methylphenols	1600		1	41.1	330	ug/Kg	10/17/25 13:43	PB170144
621-64-7	n-Nitroso-di-n-propylamine	1600		1	47.4	80.0	ug/Kg	10/17/25 13:43	PB170144
67-72-1	Hexachloroethane	1500		1	17.6	170	ug/Kg	10/17/25 13:43	PB170144
98-95-3	Nitrobenzene	1500		1	18.3	170	ug/Kg	10/17/25 13:43	PB170144
78-59-1	Isophorone	1400		1	32.8	170	ug/Kg	10/17/25 13:43	PB170144
88-75-5	2-Nitrophenol	1500		1	58.2	170	ug/Kg	10/17/25 13:43	PB170144
105-67-9	2,4-Dimethylphenol	1700		1	64.8	170	ug/Kg	10/17/25 13:43	PB170144
111-91-1	bis(2-Chloroethoxy)methane	1500		1	30.8	170	ug/Kg	10/17/25 13:43	PB170144
120-83-2	2,4-Dichlorophenol	1600		1	28.3	170	ug/Kg	10/17/25 13:43	PB170144
91-20-3	Naphthalene	1500		1	22.7	170	ug/Kg	10/17/25 13:43	PB170144
106-47-8	4-Chloroaniline	890		1	35.4	170	ug/Kg	10/17/25 13:43	PB170144
87-68-3	Hexachlorobutadiene	1500		1	25.3	170	ug/Kg	10/17/25 13:43	PB170144
105-60-2	Caprolactam	1500		1	52.1	330	ug/Kg	10/17/25 13:43	PB170144
59-50-7	4-Chloro-3-methylphenol	1500		1	28.7	170	ug/Kg	10/17/25 13:43	PB170144
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	10/17/25 13:43	PB170144
77-47-4	Hexachlorocyclopentadiene	4400	E	1	120	330	ug/Kg	10/17/25 13:43	PB170144
88-06-2	2,4,6-Trichlorophenol	1500		1	19.8	170	ug/Kg	10/17/25 13:43	PB170144
95-95-4	2,4,5-Trichlorophenol	1600		1	29.1	170	ug/Kg	10/17/25 13:43	PB170144
92-52-4	1,1-Biphenyl	1600		1	21.8	170	ug/Kg	10/17/25 13:43	PB170144
91-58-7	2-Chloronaphthalene	1400		1	22.5	170	ug/Kg	10/17/25 13:43	PB170144
88-74-4	2-Nitroaniline	1500		1	48.1	170	ug/Kg	10/17/25 13:43	PB170144
131-11-3	Dimethylphthalate	1400		1	27.1	170	ug/Kg	10/17/25 13:43	PB170144
208-96-8	Acenaphthylene	1700		1	28.9	170	ug/Kg	10/17/25 13:43	PB170144
606-20-2	2,6-Dinitrotoluene	1500		1	33.6	170	ug/Kg	10/17/25 13:43	PB170144
99-09-2	3-Nitroaniline	1000		1	46.0	170	ug/Kg	10/17/25 13:43	PB170144
83-32-9	Acenaphthene	1400		1	21.3	170	ug/Kg	10/17/25 13:43	PB170144
51-28-5	2,4-Dinitrophenol	2800	E	1	230	330	ug/Kg	10/17/25 13:43	PB170144
100-02-7	4-Nitrophenol	3000	E	1	110	330	ug/Kg	10/17/25 13:43	PB170144
132-64-9	Dibenzofuran	1500		1	22.7	170	ug/Kg	10/17/25 13:43	PB170144
121-14-2	2,4-Dinitrotoluene	1500		1	50.1	170	ug/Kg	10/17/25 13:43	PB170144
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	10/17/25 13:43	PB170144
7005-72-3	4-Chlorophenyl-phenylether	1500		1	26.7	170	ug/Kg	10/17/25 13:43	PB170144
86-73-7	Fluorene	1500		1	25.3	170	ug/Kg	10/17/25 13:43	PB170144
100-01-6	4-Nitroaniline	1600		1	64.2	170	ug/Kg	10/17/25 13:43	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	1600		1	100	330	ug/Kg	10/17/25 13:43	PB170144

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170144BS	SDG No.:	Q3363
Lab Sample ID:	PB170144BS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1600		1	32.9	170	ug/Kg	10/17/25 13:43	PB170144
101-55-3	4-Bromophenyl-phenylether	1500		1	27.8	170	ug/Kg	10/17/25 13:43	PB170144
118-74-1	Hexachlorobenzene	1600		1	25.3	170	ug/Kg	10/17/25 13:43	PB170144
1912-24-9	Atrazine	1600		1	34.0	170	ug/Kg	10/17/25 13:43	PB170144
87-86-5	Pentachlorophenol	3300	E	1	51.3	330	ug/Kg	10/17/25 13:43	PB170144
85-01-8	Phenanthrene	1500		1	20.9	170	ug/Kg	10/17/25 13:43	PB170144
120-12-7	Anthracene	1600		1	33.3	170	ug/Kg	10/17/25 13:43	PB170144
86-74-8	Carbazole	1600		1	31.2	170	ug/Kg	10/17/25 13:43	PB170144
84-74-2	Di-n-butylphthalate	1500		1	47.9	170	ug/Kg	10/17/25 13:43	PB170144
206-44-0	Fluoranthene	1600		1	30.0	170	ug/Kg	10/17/25 13:43	PB170144
129-00-0	Pyrene	1400		1	36.0	170	ug/Kg	10/17/25 13:43	PB170144
85-68-7	Butylbenzylphthalate	1500		1	71.4	170	ug/Kg	10/17/25 13:43	PB170144
91-94-1	3,3-Dichlorobenzidine	1000		1	36.7	330	ug/Kg	10/17/25 13:43	PB170144
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	10/17/25 13:43	PB170144
218-01-9	Chrysene	1500		1	19.9	170	ug/Kg	10/17/25 13:43	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	1500		1	59.2	170	ug/Kg	10/17/25 13:43	PB170144
117-84-0	Di-n-octyl phthalate	1500		1	86.8	330	ug/Kg	10/17/25 13:43	PB170144
205-99-2	Benzo(b)fluoranthene	1600		1	19.0	170	ug/Kg	10/17/25 13:43	PB170144
207-08-9	Benzo(k)fluoranthene	1600		1	22.4	170	ug/Kg	10/17/25 13:43	PB170144
50-32-8	Benzo(a)pyrene	1600		1	29.5	170	ug/Kg	10/17/25 13:43	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	1600		1	29.1	170	ug/Kg	10/17/25 13:43	PB170144
53-70-3	Dibenzo(a,h)anthracene	1600		1	27.4	170	ug/Kg	10/17/25 13:43	PB170144
191-24-2	Benzo(g,h,i)perylene	1600		1	25.7	170	ug/Kg	10/17/25 13:43	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		1	25.6	170	ug/Kg	10/17/25 13:43	PB170144
123-91-1	1,4-Dioxane	1100		1	45.2	170	ug/Kg	10/17/25 13:43	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	1600		1	27.4	170	ug/Kg	10/17/25 13:43	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	142			18 - 112	94%	SPK: 150		
13127-88-3	Phenol-d6	141			15 - 107	94%	SPK: 150		
4165-60-0	Nitrobenzene-d5	84.2			18 - 107	84%	SPK: 100		
321-60-8	2-Fluorobiphenyl	83.3			20 - 109	83%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	133			10 - 116	89%	SPK: 150		
1718-51-0	Terphenyl-d14	85.2			10 - 105	85%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	13500							
1146-65-2	Naphthalene-d8	60600							
15067-26-2	Acenaphthene-d10	47400							
1517-22-2	Phenanthrene-d10	116000							
1719-03-5	Chrysene-d12	126000							
1520-96-3	Perylene-d12	136000							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM			Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206			Date Received:	
Client Sample ID:	PB170144BS			SDG No.:	Q3363
Lab Sample ID:	PB170144BS			Matrix:	SOIL
Analytical Method:	8270E	Level :	LOW	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064534.D
Acq On : 17 Oct 2025 13:43
Operator : RC/JU
Sample : PB170144BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 17 14:19:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.818	152	13548	20.000	ng		0.00
21) Naphthalene-d8	10.603	136	60553	20.000	ng	#	0.00
39) Acenaphthene-d10	14.445	164	47398	20.000	ng		0.00
64) Phenanthrene-d10	17.189	188	115978	20.000	ng		0.00
76) Chrysene-d12	21.414	240	125702	20.000	ng		0.00
86) Perylene-d12	24.392	264	135853	20.000	ng	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.415	112	103602	141.522	ng		0.00
7) Phenol-d6	7.001	99	138737	141.027	ng		0.01
23) Nitrobenzene-d5	8.975	82	94832	84.209	ng		0.00
42) 2,4,6-Tribromophenol	15.938	330	114577	133.360	ng		0.00
45) 2-Fluorobiphenyl	13.070	172	267937	83.324	ng		0.00
79) Terphenyl-d14	19.810	244	565751	85.176	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.311	88	9344	32.270	ng		95
3) Pyridine	3.705	79	24560	31.560	ng		97
4) n-Nitrosodimethylamine	3.623	42	24835	44.022	ng		97
6) Aniline	7.148	93	44214	35.630	ng		99
8) 2-Chlorophenol	7.389	128	43477	48.365	ng		96
9) Benzaldehyde	6.960	77	18692	21.405	ng		99
10) Phenol	7.025	94	51729	49.846	ng		94
11) bis(2-Chloroethyl)ether	7.242	93	29852	42.476	ng		95
12) 1,3-Dichlorobenzene	7.706	146	44092	44.838	ng		94
13) 1,4-Dichlorobenzene	7.853	146	46884	47.505	ng		98
14) 1,2-Dichlorobenzene	8.164	146	44938	46.200	ng		98
15) Benzyl Alcohol	8.059	79	43931	48.490	ng		90
16) 2,2'-oxybis(1-Chloropr...	8.341	45	45805	40.433	ng		98
17) 2-Methylphenol	8.264	107	36599	48.703	ng		98
18) Hexachloroethane	8.893	117	17058	43.788	ng	#	83
19) n-Nitroso-di-n-propyla...	8.623	70	30636	46.565	ng		99
20) 3+4-Methylphenols	8.593	107	50826	48.467	ng		95
22) Acetophenone	8.634	105	72002	49.110	ng		95
24) Nitrobenzene	9.010	77	49030	43.659	ng		95
25) Isophorone	9.539	82	84589	41.463	ng	#	97
26) 2-Nitrophenol	9.721	139	24998	44.725	ng		91
27) 2,4-Dimethylphenol	9.786	122	44134	51.699	ng		95
28) bis(2-Chloroethoxy)met...	10.015	93	46826	45.028	ng		94
29) 2,4-Dichlorophenol	10.262	162	46077	46.675	ng		98
30) 1,2,4-Trichlorobenzene	10.468	180	51994	48.305	ng		98
31) Naphthalene	10.656	128	137476	44.089	ng		99
32) Benzoic acid	9.962	122	32278	49.247	ng		96
33) 4-Chloroaniline	10.767	127	31783	26.562	ng		96
34) Hexachlorobutadiene	10.943	225	41295	44.797	ng		95
35) Caprolactam	11.543	113	14864m	43.983	ng		
36) 4-Chloro-3-methylphenol	11.901	107	55528	46.254	ng		98
37) 2-Methylnaphthalene	12.265	142	96169	40.178	ng		98
38) 1-Methylnaphthalene	12.489	142	99556m	41.713	ng		
40) 1,2,4,5-Tetrachloroben...	12.636	216	73405	47.965	ng		97
41) Hexachlorocyclopentadiene	12.618	237	105773	132.127	ng		100
43) 2,4,6-Trichlorophenol	12.877	196	44895	45.890	ng		96

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064534.D
Acq On : 17 Oct 2025 13:43
Operator : RC/JU
Sample : PB170144BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 17 14:19:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.959	196	51283	46.953	ng		93
46) 1,1'-Biphenyl	13.282	154	167348	49.090	ng		97
47) 2-Chloronaphthalene	13.323	162	110725	43.503	ng		98
48) 2-Nitroaniline	13.529	65	38787	44.650	ng		94
49) Acenaphthylene	14.169	152	194958	51.599	ng		99
50) Dimethylphthalate	13.911	163	159924	43.080	ng		97
51) 2,6-Dinitrotoluene	14.022	165	35896	46.419	ng		89
52) Acenaphthene	14.510	154	111143	42.340	ng		99
53) 3-Nitroaniline	14.357	138	22218	31.154	ng		97
54) 2,4-Dinitrophenol	14.569	184	47351	84.445	ng	#	82
55) Dibenzofuran	14.845	168	195550	45.118	ng		99
56) 4-Nitrophenol	14.680	139	50291	89.566	ng	#	82
57) 2,4-Dinitrotoluene	14.815	165	53188	44.993	ng	#	91
58) Fluorene	15.497	166	160529	44.551	ng		92
59) 2,3,4,6-Tetrachlorophenol	15.080	232	53902m	48.357	ng		
60) Diethylphthalate	15.274	149	173957	43.682	ng		98
61) 4-Chlorophenyl-phenyle...	15.491	204	86907	44.179	ng		94
62) 4-Nitroaniline	15.520	138	35941	48.352	ng		85
63) Azobenzene	15.785	77	137914	44.717	ng		97
65) 4,6-Dinitro-2-methylph...	15.579	198	38521	47.703	ng		96
66) n-Nitrosodiphenylamine	15.708	169	144777	46.746	ng		96
67) 4-Bromophenyl-phenylether	16.384	248	62103	45.504	ng		90
68) Hexachlorobenzene	16.496	284	73779	47.242	ng		97
69) Atrazine	16.660	200	65947	47.860	ng		99
70) Pentachlorophenol	16.848	266	90184	98.765	ng		97
71) Phenanthrene	17.230	178	276547	45.596	ng		98
72) Anthracene	17.318	178	285078	46.852	ng		99
73) Carbazole	17.595	167	246218	46.815	ng		97
74) Di-n-butylphthalate	18.153	149	297960	46.409	ng		99
75) Fluoranthene	19.240	202	342100	47.214	ng		99
77) Benzidine	19.428	184	95783	30.622	ng		97
78) Pyrene	19.604	202	347286	42.572	ng		96
80) Butylbenzylphthalate	20.497	149	129152	44.661	ng		99
81) Benzo(a)anthracene	21.396	228	362947	45.221	ng		97
82) 3,3'-Dichlorobenzidine	21.320	252	84466	31.093	ng	#	98
83) Chrysene	21.461	228	342262	44.965	ng		98
84) Bis(2-ethylhexyl)phtha...	21.320	149	187922	46.057	ng		94
85) Di-n-octyl phthalate	22.442	149	318467	46.441	ng		99
87) Indeno(1,2,3-cd)pyrene	27.759	276	445204	47.081	ng	#	95
88) Benzo(b)fluoranthene	23.458	252	364867	47.209	ng		98
89) Benzo(k)fluoranthene	23.517	252	367590	47.224	ng		98
90) Benzo(a)pyrene	24.263	252	347442	48.777	ng		98
91) Dibenzo(a,h)anthracene	27.806	278	361572	47.813	ng	#	97
92) Benzo(g,h,i)perylene	28.811	276	357922	48.704	ng		97

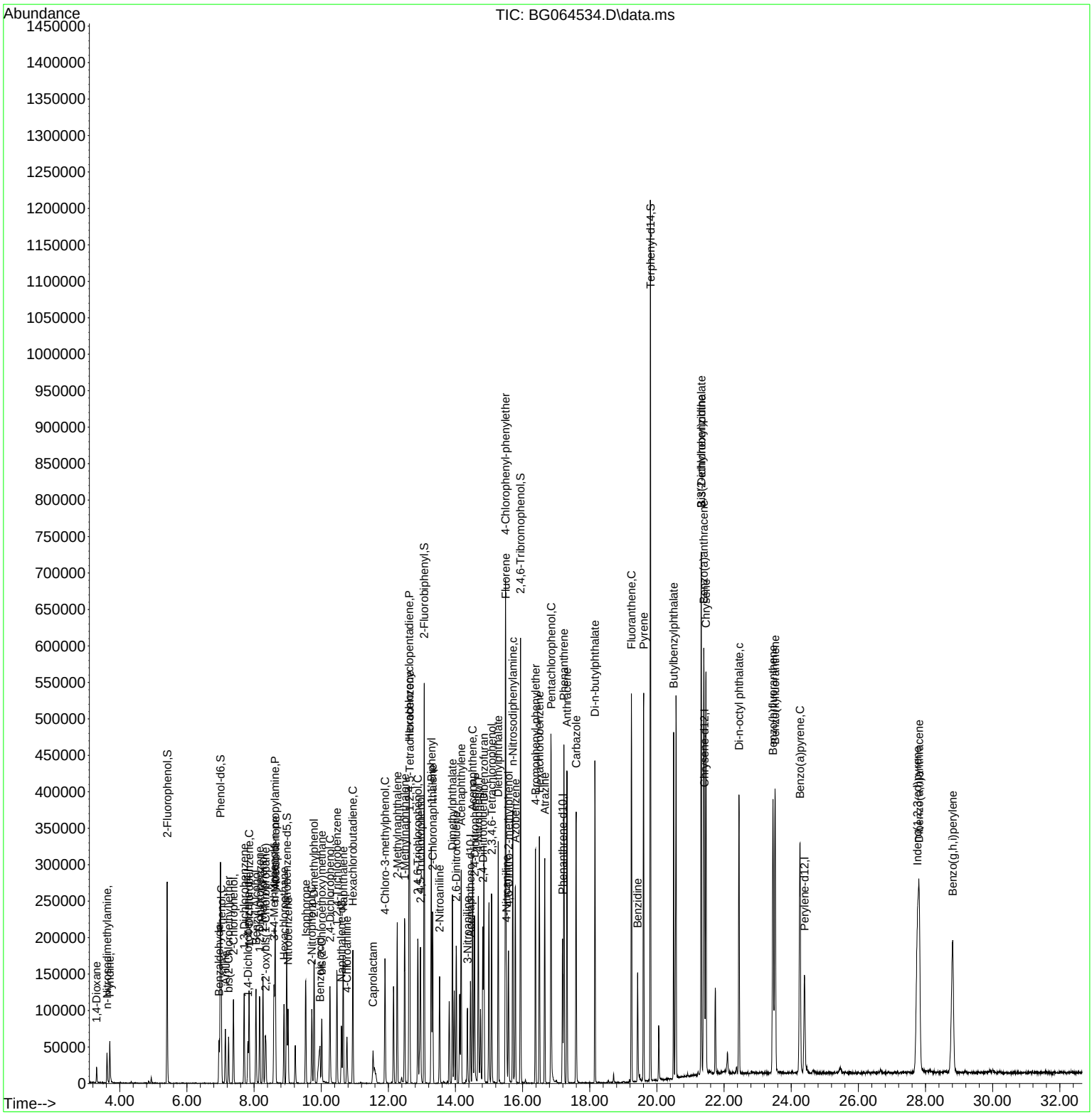
(#) = qualifier out of range (m) = manual integration (+) = signals summed

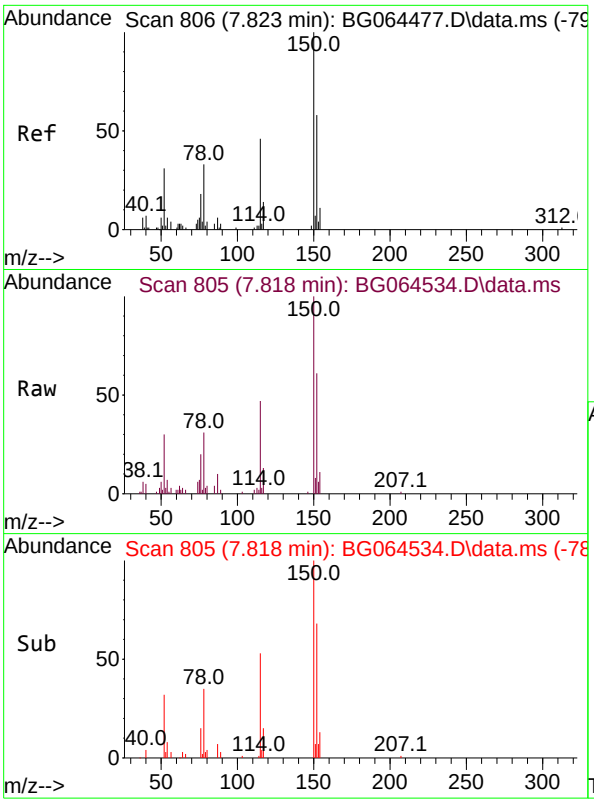
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064534.D
Acq On : 17 Oct 2025 13:43
Operator : RC/JU
Sample : PB170144BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 17 14:19:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

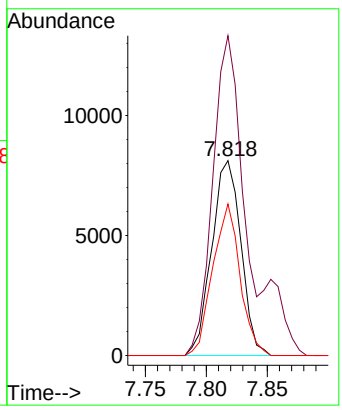




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.818 min Scan# 80
Delta R.T. -0.002 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:152 Resp: 1354

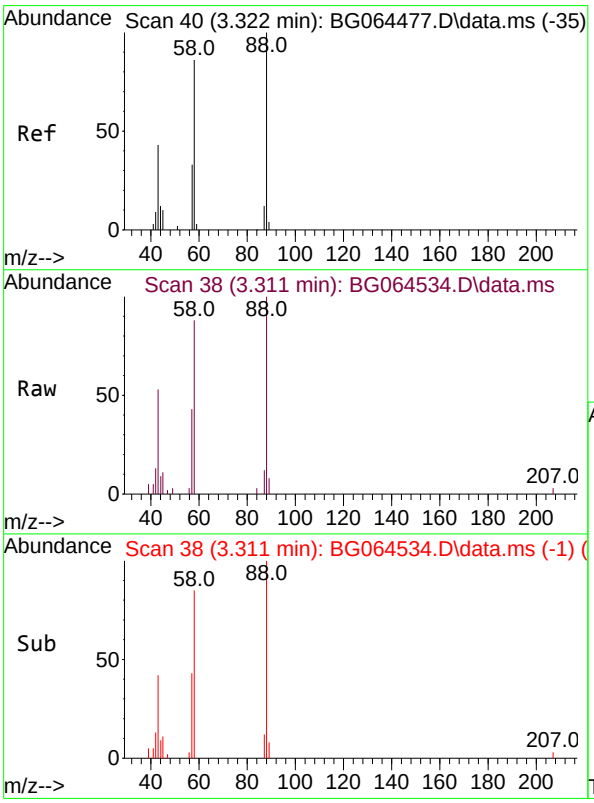
Ion	Ratio	Lower	Upper
152	100		
150	164.2	138.6	207.8
115	77.8	63.4	95.2



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

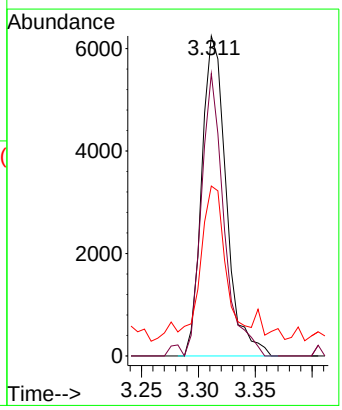
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

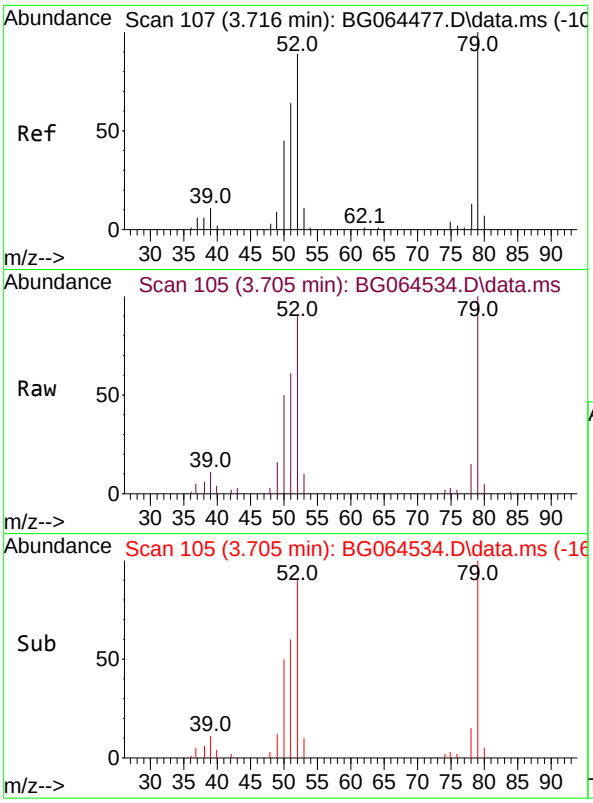


#2
1,4-Dioxane
Concen: 32.270 ng
RT: 3.311 min Scan# 38
Delta R.T. -0.009 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion: 88 Resp: 9344

Ion	Ratio	Lower	Upper
88	100		
58	82.7	69.8	104.6
43	42.6	37.4	56.0

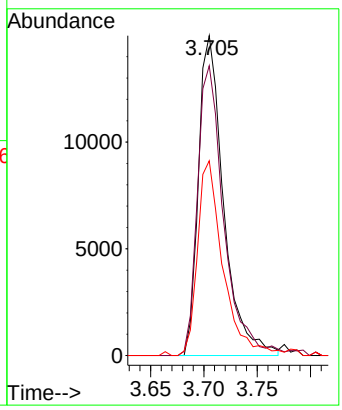




#3
Pyridine
Concen: 31.560 ng
RT: 3.705 min Scan# 10
Delta R.T. -0.009 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion: 79 Resp: 2456

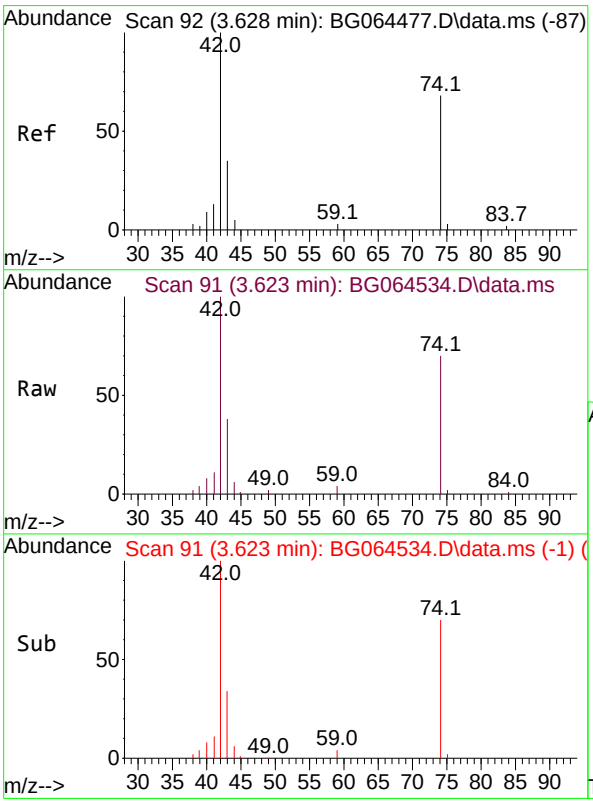
Ion	Ratio	Lower	Upper
79	100		
52	90.6	71.0	106.4
51	60.9	51.0	76.6



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

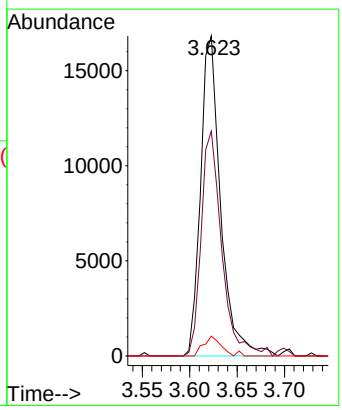
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

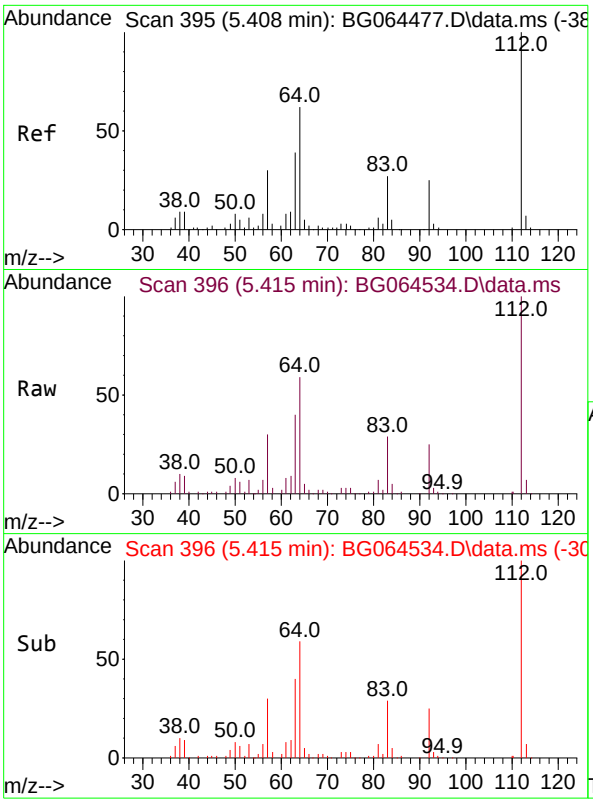


#4
n-Nitrosodimethylamine
Concen: 44.022 ng
RT: 3.623 min Scan# 91
Delta R.T. -0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion: 42 Resp: 24835

Ion	Ratio	Lower	Upper
42	100		
74	70.2	54.2	81.4
44	6.2	4.2	6.2

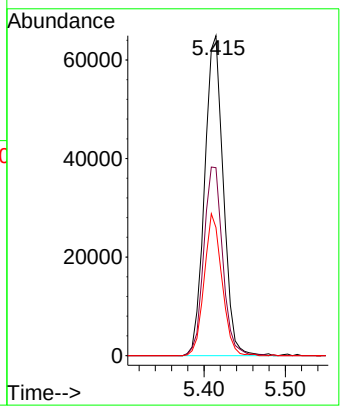




#5
2-Fluorophenol
Concen: 141.522 ng
RT: 5.415 min Scan# 3
Delta R.T. 0.009 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:112 Resp: 10360

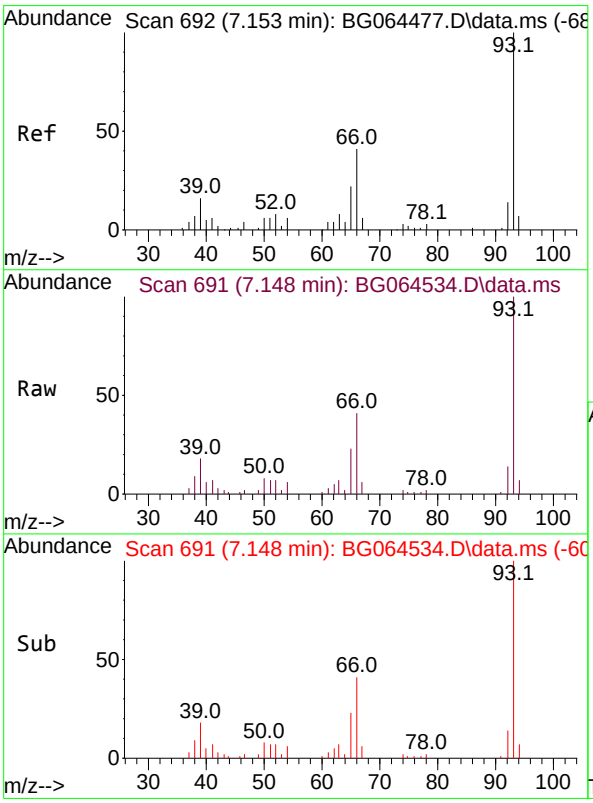
Ion	Ratio	Lower	Upper
112	100		
64	58.7	49.8	74.8
63	40.0	31.3	46.9



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

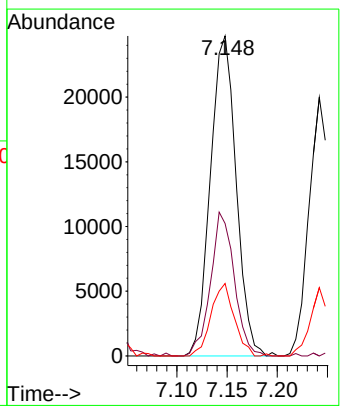
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

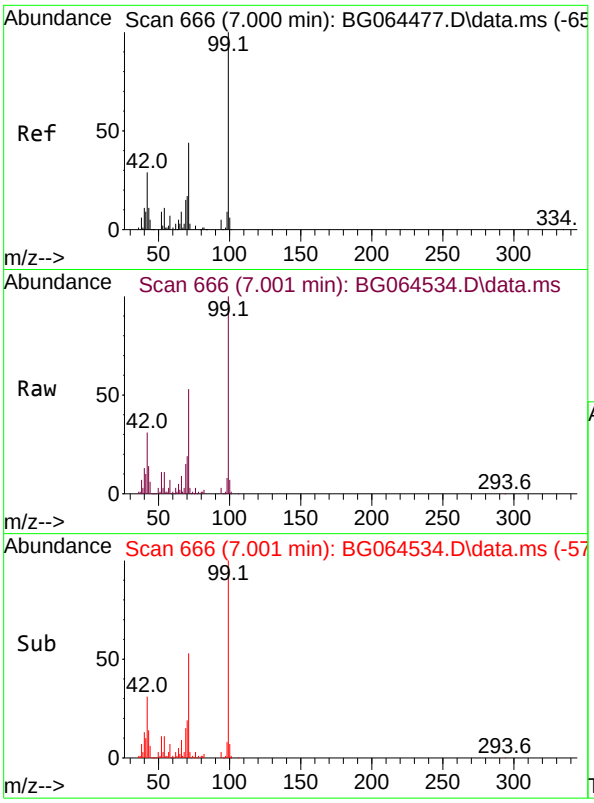


#6
Aniline
Concen: 35.630 ng
RT: 7.148 min Scan# 691
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion: 93 Resp: 44214

Ion	Ratio	Lower	Upper
93	100		
66	41.4	33.0	49.4
65	22.6	17.5	26.3

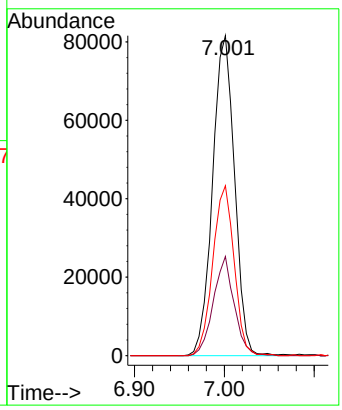




#7
Phenol-d6
Concen: 141.027 ng
RT: 7.001 min Scan# 6
Delta R.T. 0.015 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion: 99 Resp: 13873

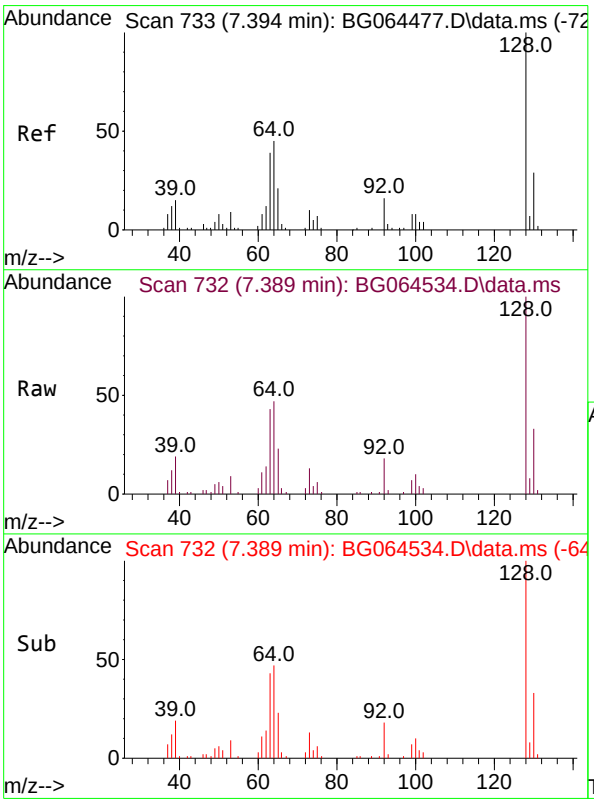
Ion	Ratio	Lower	Upper
99	100		
42	31.0	22.9	34.3
71	53.1	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

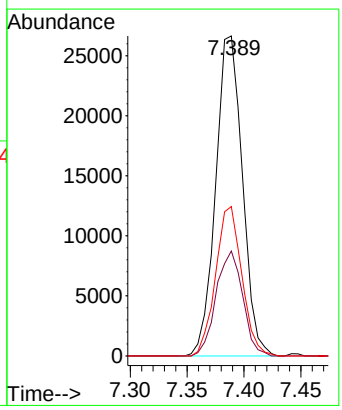
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

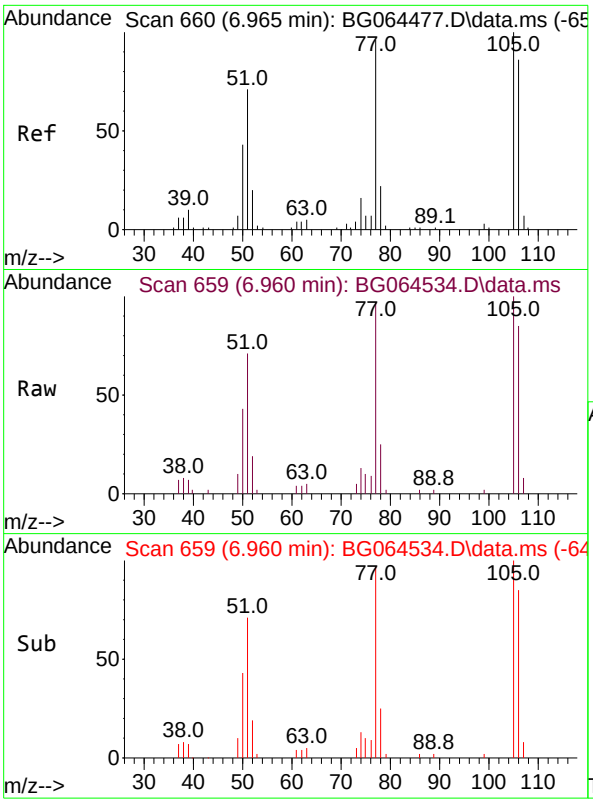


#8
2-Chlorophenol
Concen: 48.365 ng
RT: 7.389 min Scan# 732
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:128 Resp: 43477

Ion	Ratio	Lower	Upper
128	100		
130	32.8	9.2	49.2
64	46.7	25.5	65.5

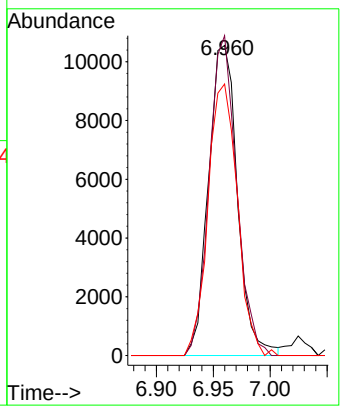




#9
Benzaldehyde
Concen: 21.405 ng
RT: 6.960 min Scan# 6
Delta R.T. -0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion: 77 Resp: 1869

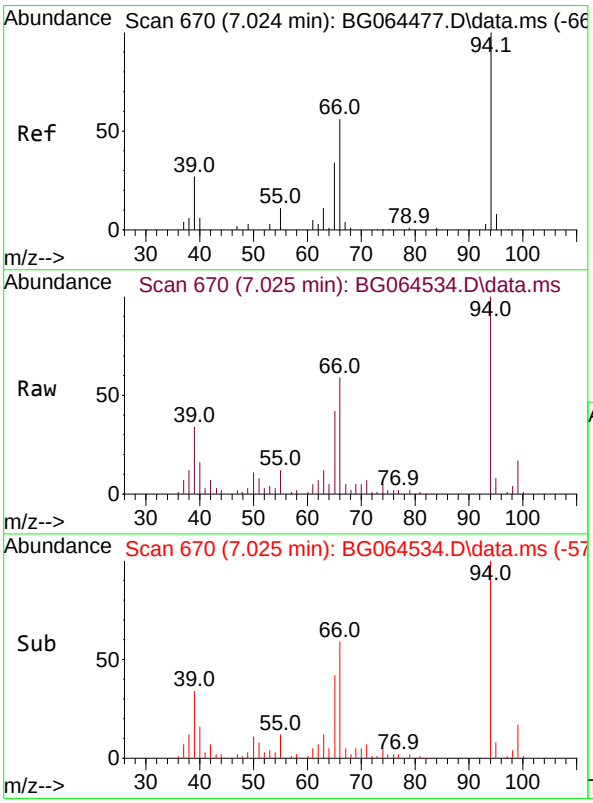
Ion	Ratio	Lower	Upper
77	100		
105	103.2	83.7	123.7
106	87.6	69.4	109.4



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

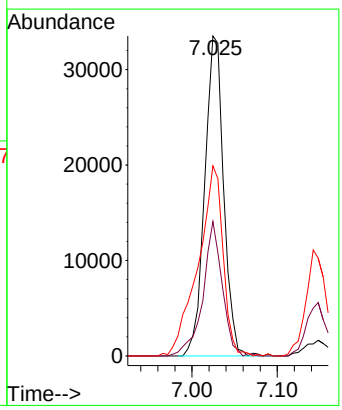
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

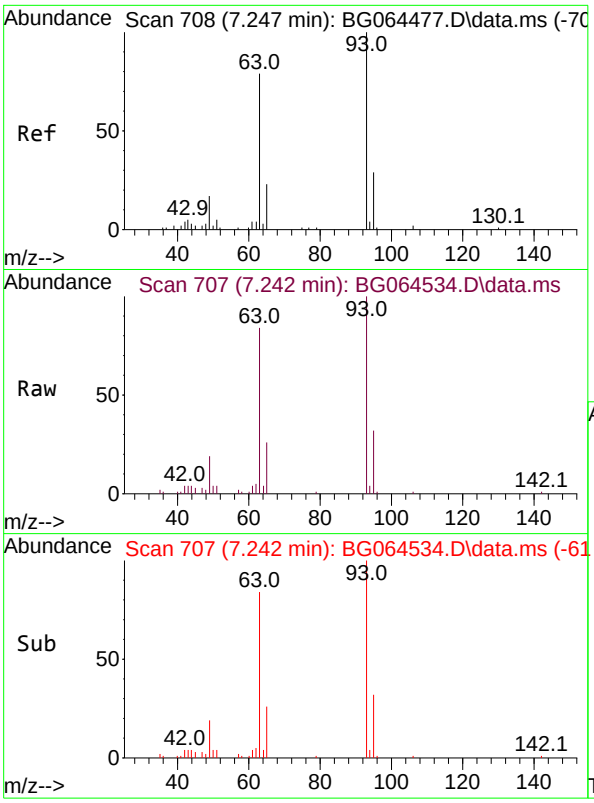


#10
Phenol
Concen: 49.846 ng
RT: 7.025 min Scan# 670
Delta R.T. 0.009 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion: 94 Resp: 51729

Ion	Ratio	Lower	Upper
94	100		
65	42.0	14.8	54.8
66	59.4	41.4	81.4

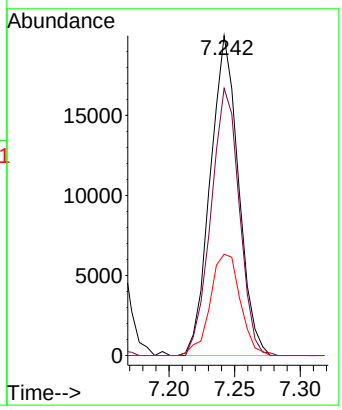




#11
bis(2-Chloroethyl)ether
Concen: 42.476 ng
RT: 7.242 min Scan# 70
Delta R.T. -0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion: 93 Resp: 2985

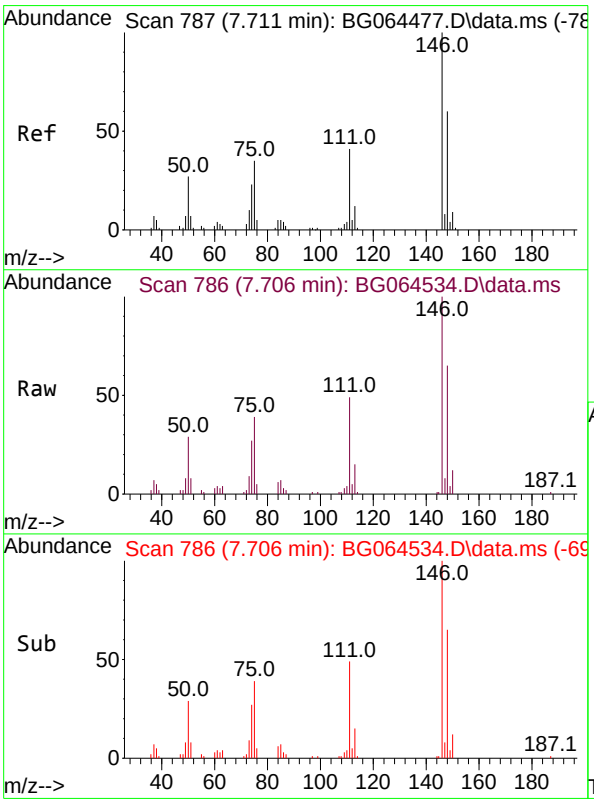
Ion	Ratio	Lower	Upper
93	100		
63	83.5	59.5	99.5
95	31.7	8.8	48.8



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

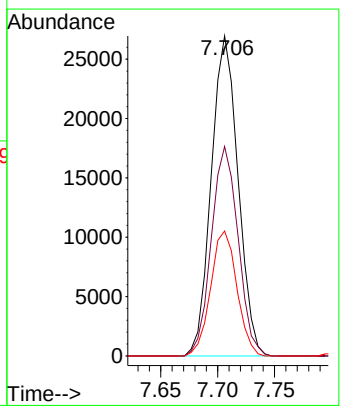
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

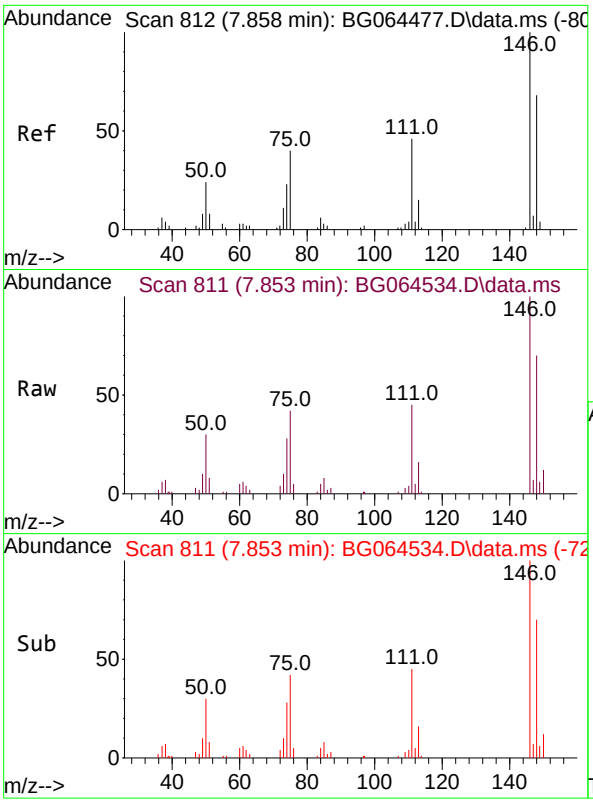


#12
1,3-Dichlorobenzene
Concen: 44.838 ng
RT: 7.706 min Scan# 786
Delta R.T. -0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:146 Resp: 44092

Ion	Ratio	Lower	Upper
146	100		
148	65.4	48.4	72.6
75	39.0	28.3	42.5

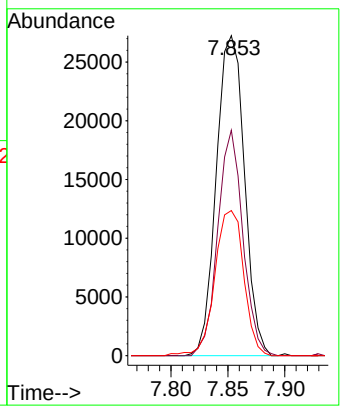




#13
1,4-Dichlorobenzene
Concen: 47.505 ng
RT: 7.853 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:146 Resp: 4688

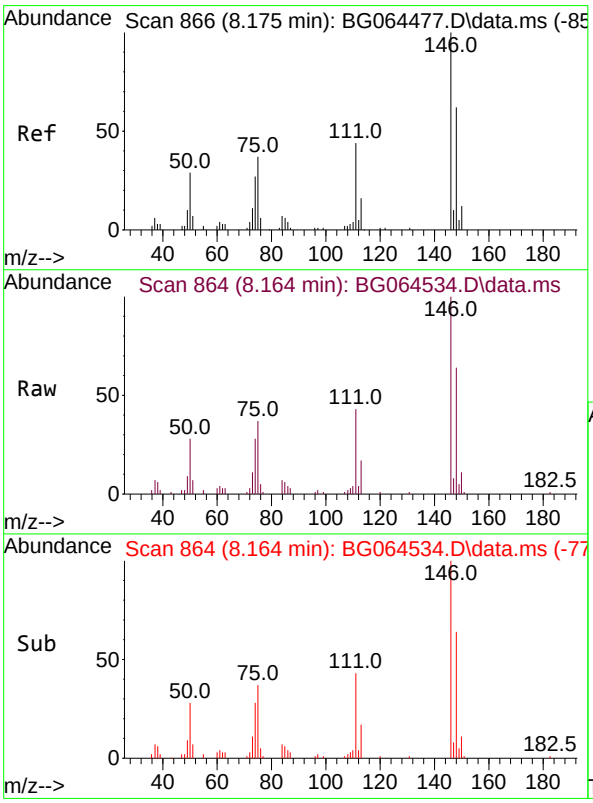
Ion	Ratio	Lower	Upper
146	100		
148	70.4	54.4	81.6
111	45.3	36.5	54.7



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

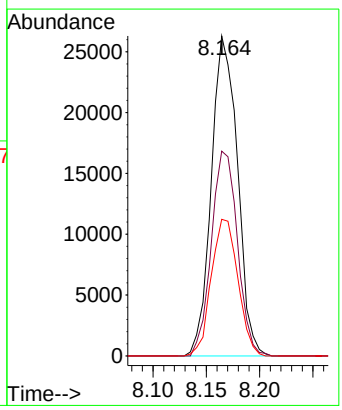
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

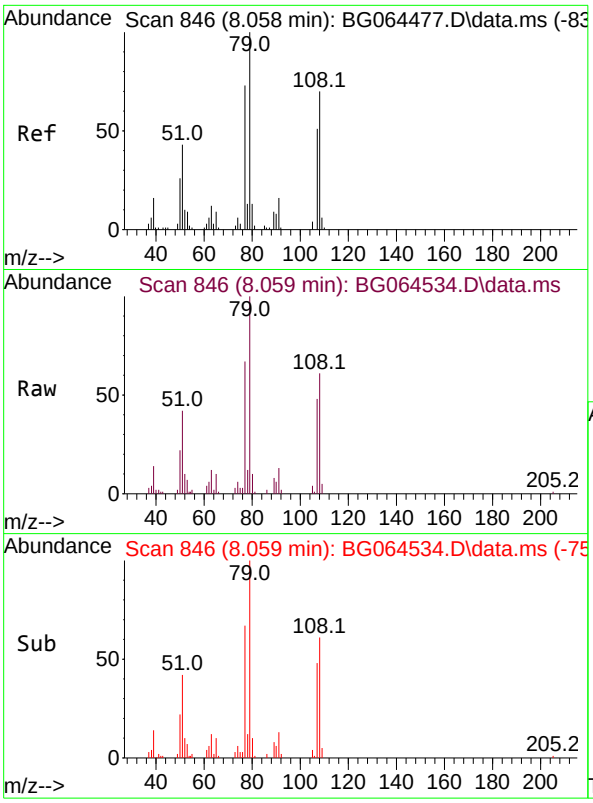


#14
1,2-Dichlorobenzene
Concen: 46.200 ng
RT: 8.164 min Scan# 864
Delta R.T. -0.009 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:146 Resp: 44938

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.0	75.0
111	42.7	35.0	52.4





#15
Benzyl Alcohol
Concen: 48.490 ng
RT: 8.059 min Scan# 84
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

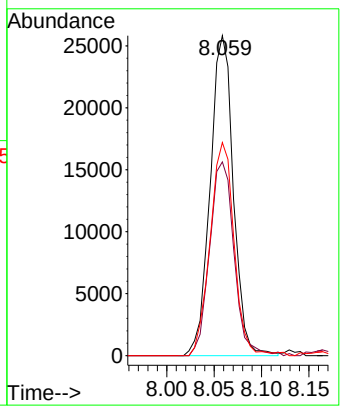
Tgt Ion: 79 Resp: 4393

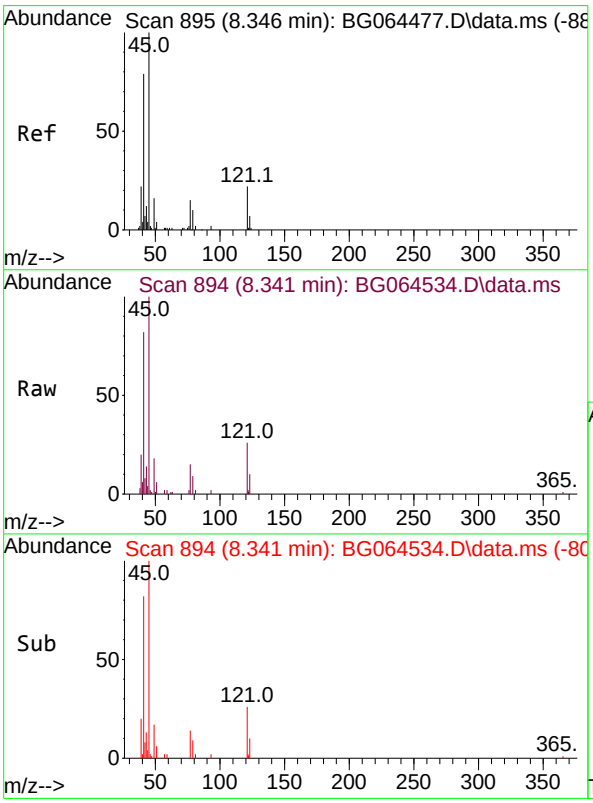
Ion	Ratio	Lower	Upper
79	100		
108	60.5	56.4	84.6
77	66.6	58.3	87.5

Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

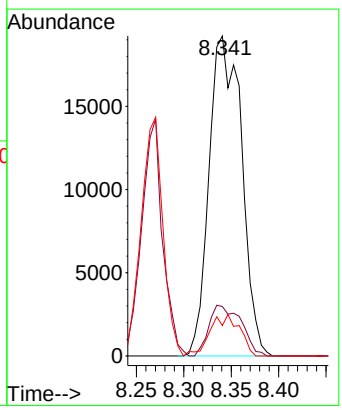


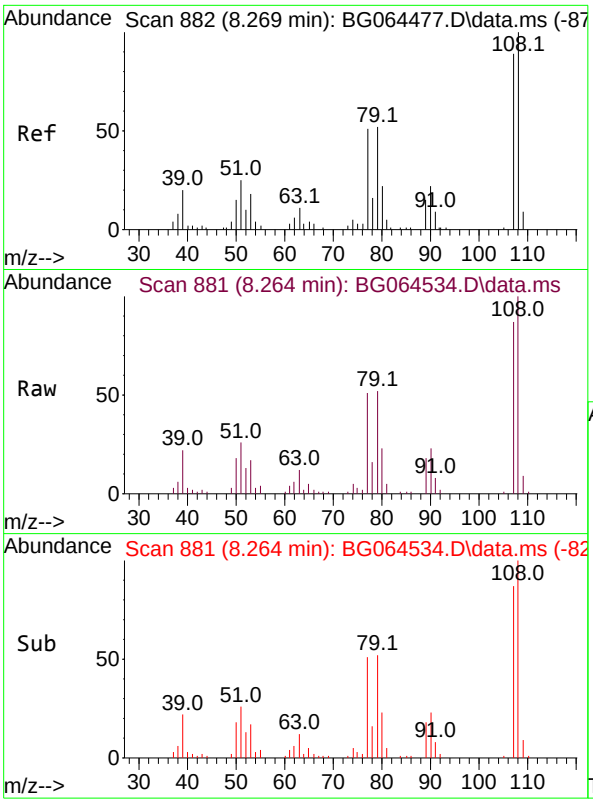


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.433 ng
RT: 8.341 min Scan# 894
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion: 45 Resp: 45805

Ion	Ratio	Lower	Upper
45	100		
77	15.4	0.0	35.6
79	9.5	0.0	30.7

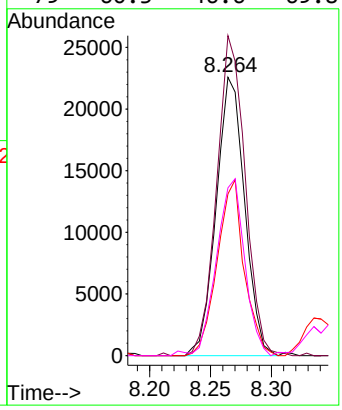




#17
2-Methylphenol
Concen: 48.703 ng
RT: 8.264 min Scan# 88
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:107 Resp: 3659

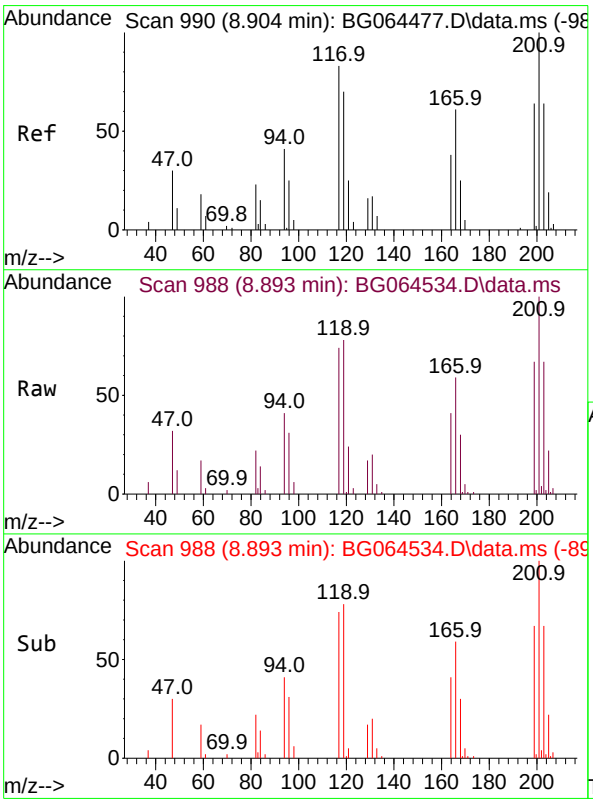
Ion	Ratio	Lower	Upper
107	100		
108	115.0	90.3	135.5
77	58.1	46.0	69.0
79	60.3	46.6	69.8



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

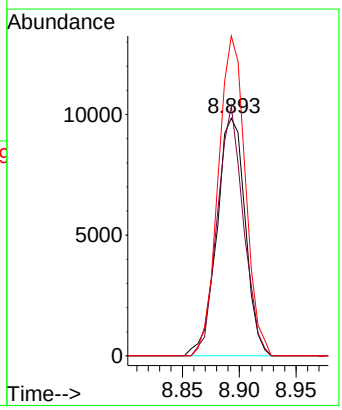
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

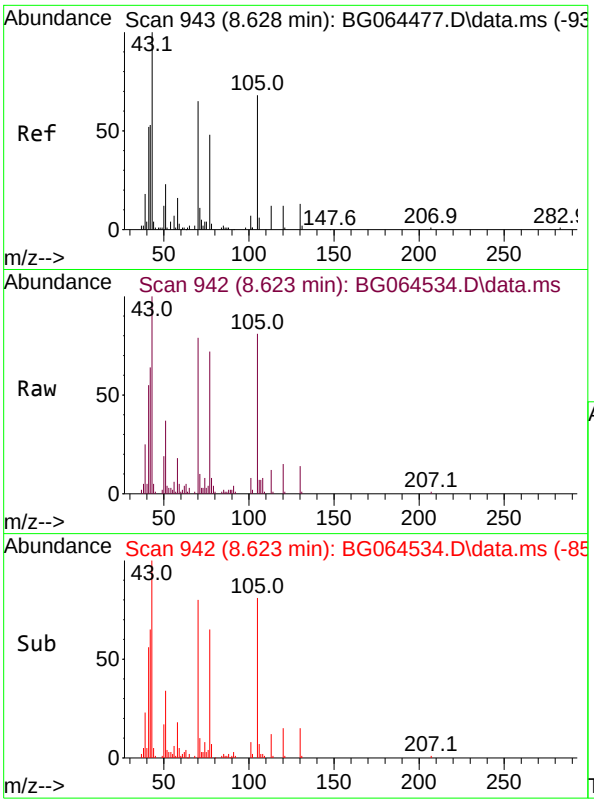


#18
Hexachloroethane
Concen: 43.788 ng
RT: 8.893 min Scan# 988
Delta R.T. -0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:117 Resp: 17058

Ion	Ratio	Lower	Upper
117	100		
119	105.0	67.4	101.0#
201	134.7	95.9	143.9

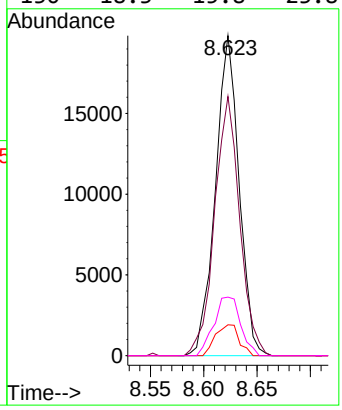




#19
n-Nitroso-di-n-propylamine
Concen: 46.565 ng
RT: 8.623 min Scan# 94
Delta R.T. 0.009 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion: 70 Resp: 3063

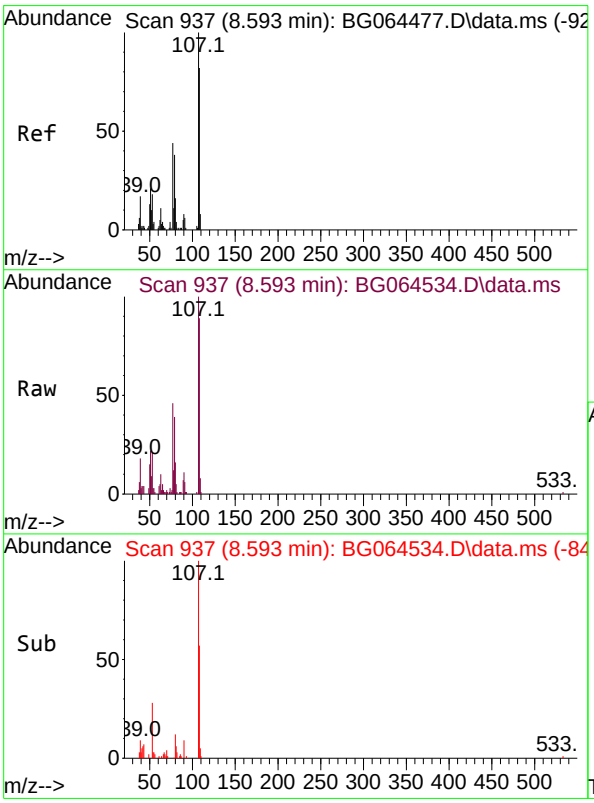
Ion	Ratio	Lower	Upper
70	100		
42	81.0	64.9	97.3
101	9.6	8.7	13.1
130	18.3	15.8	23.8



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

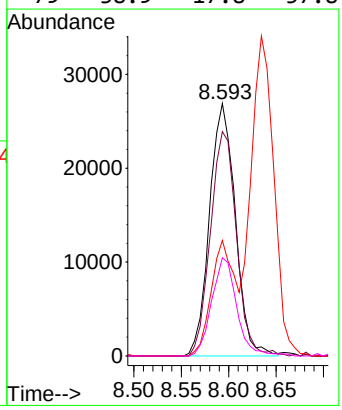
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

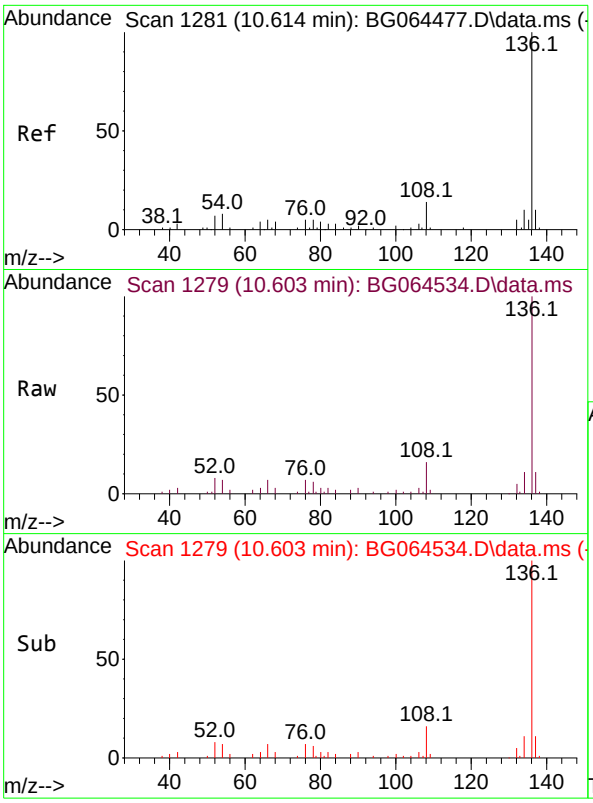


#20
3+4-Methylphenols
Concen: 48.467 ng
RT: 8.593 min Scan# 937
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:107 Resp: 50826

Ion	Ratio	Lower	Upper
107	100		
108	88.9	62.1	102.1
77	45.7	23.5	63.5
79	38.9	17.8	57.8

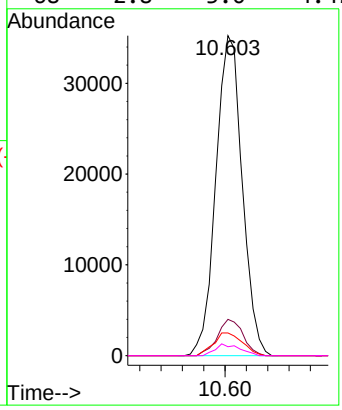




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.603 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:136 Resp: 6055

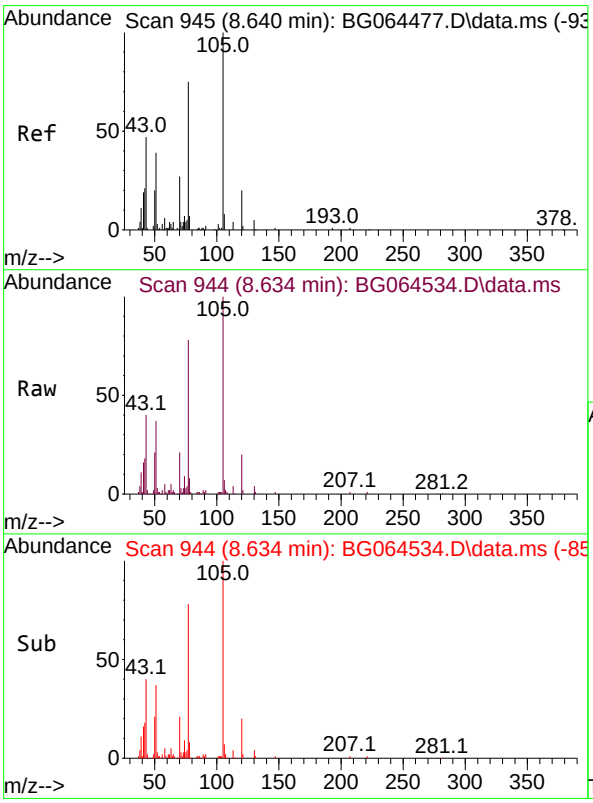
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.3	12.5
54	7.1	6.2	9.4
68	2.8	3.0	4.4#



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

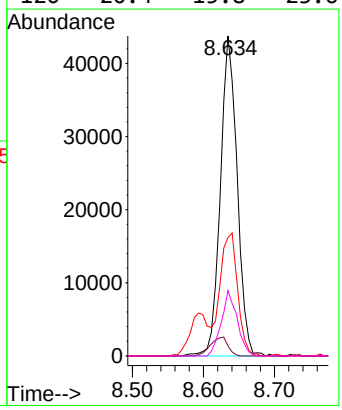
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

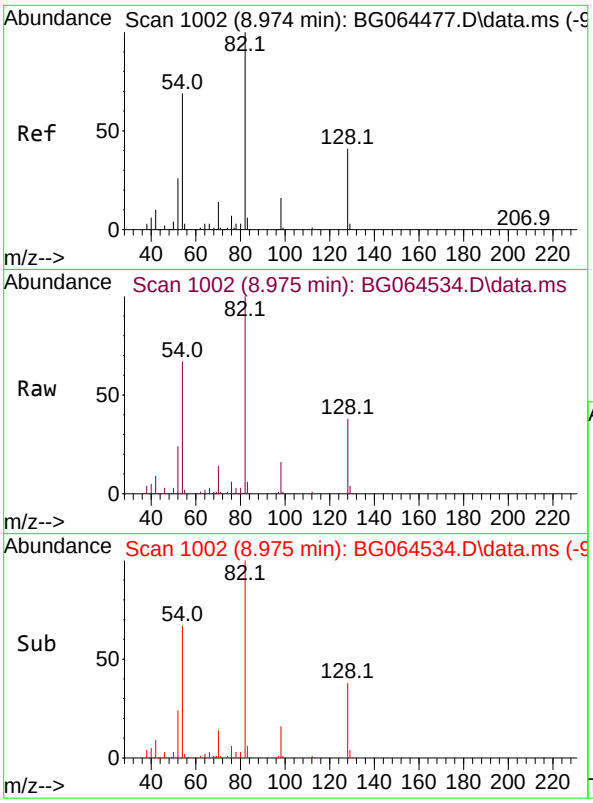


#22
Acetophenone
Concen: 49.110 ng
RT: 8.634 min Scan# 944
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:105 Resp: 72002

Ion	Ratio	Lower	Upper
105	100		
71	3.1	2.8	4.2
51	37.0	33.0	49.4
120	20.4	15.8	23.6

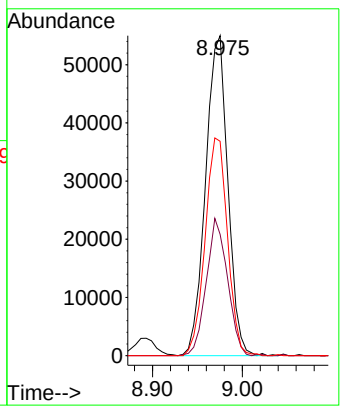




#23
Nitrobenzene-d5
Concen: 84.209 ng
RT: 8.975 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion: 82 Resp: 9483

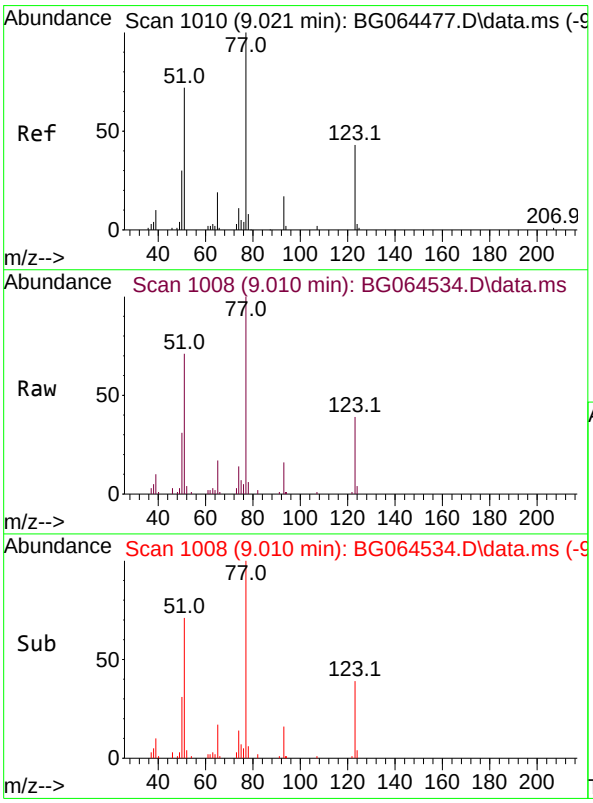
Ion	Ratio	Lower	Upper
82	100		
128	37.9	33.1	49.7
54	67.0	55.4	83.2



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

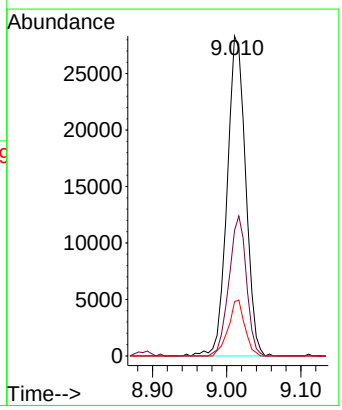
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

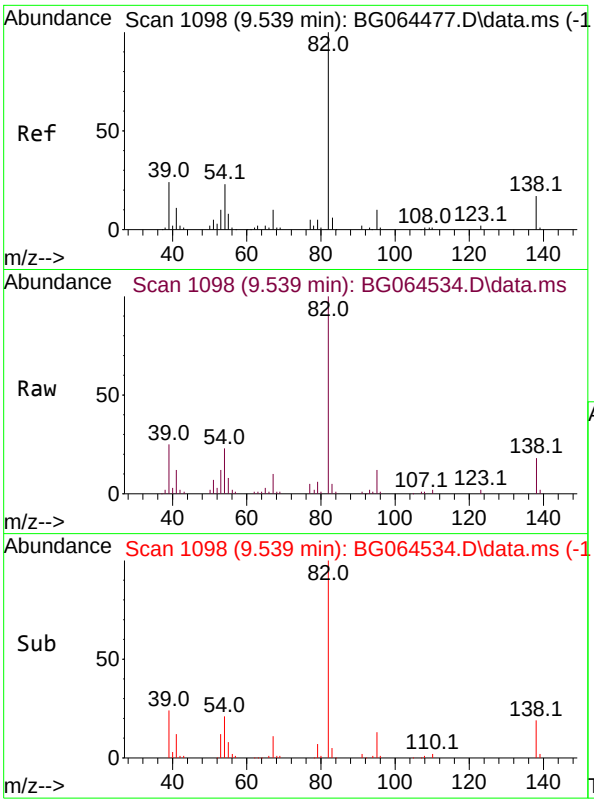


#24
Nitrobenzene
Concen: 43.659 ng
RT: 9.010 min Scan# 1008
Delta R.T. -0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion: 77 Resp: 49030

Ion	Ratio	Lower	Upper
77	100		
123	39.2	34.4	51.6
65	16.9	14.8	22.2

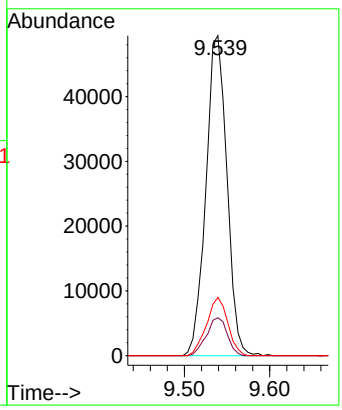




#25
Isophorone
Concen: 41.463 ng
RT: 9.539 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion: 82 Resp: 8458

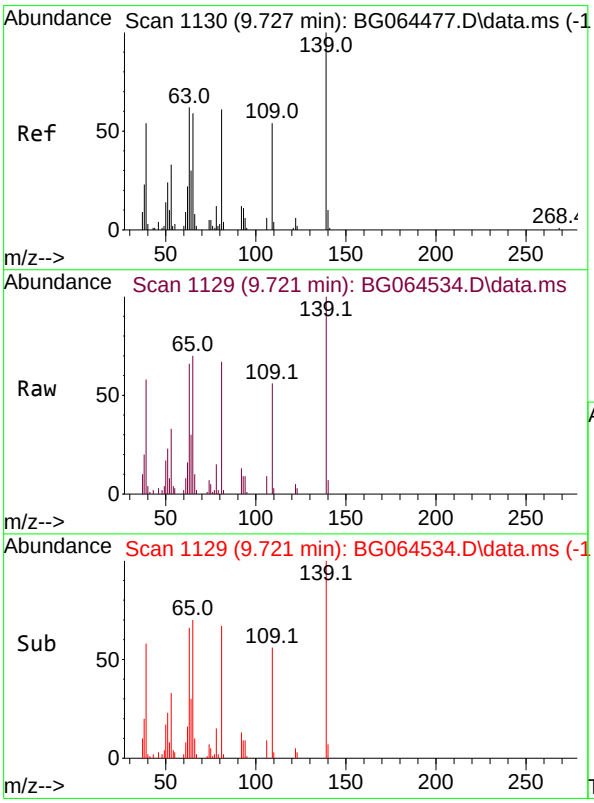
Ion	Ratio	Lower	Upper
82	100		
95	11.8	7.8	11.8
138	18.2	13.8	20.6



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

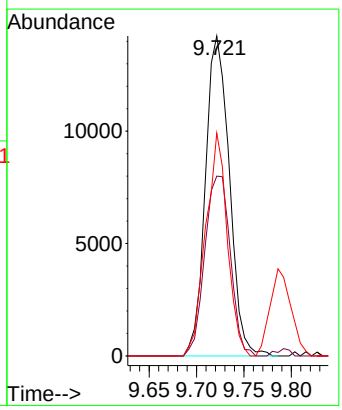
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

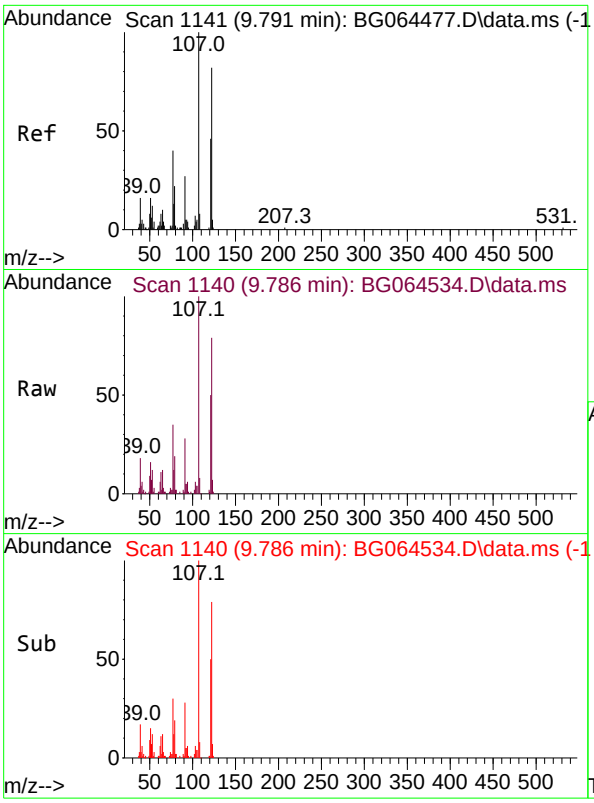


#26
2-Nitrophenol
Concen: 44.725 ng
RT: 9.721 min Scan# 1129
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:139 Resp: 24998

Ion	Ratio	Lower	Upper
139	100		
109	56.2	43.0	64.6
65	69.6	47.4	71.2

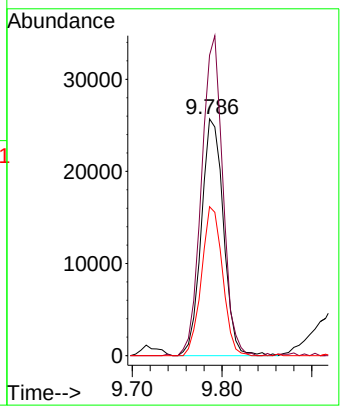




#27
2,4-Dimethylphenol
Concen: 51.699 ng
RT: 9.786 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:122 Resp: 4413

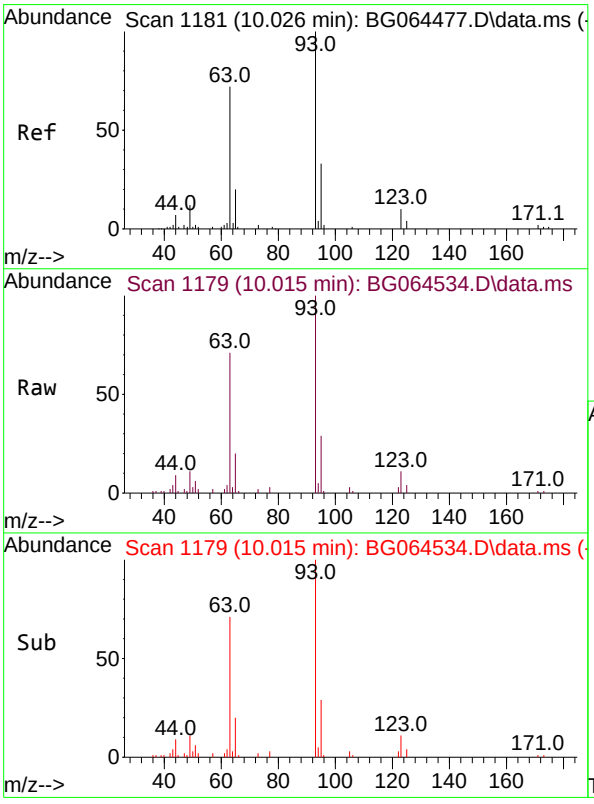
Ion	Ratio	Lower	Upper
122	100		
107	127.0	98.3	147.5
121	62.9	44.7	67.1



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

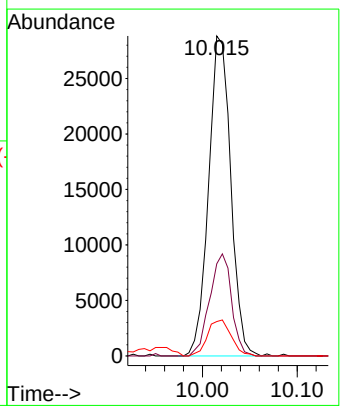
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

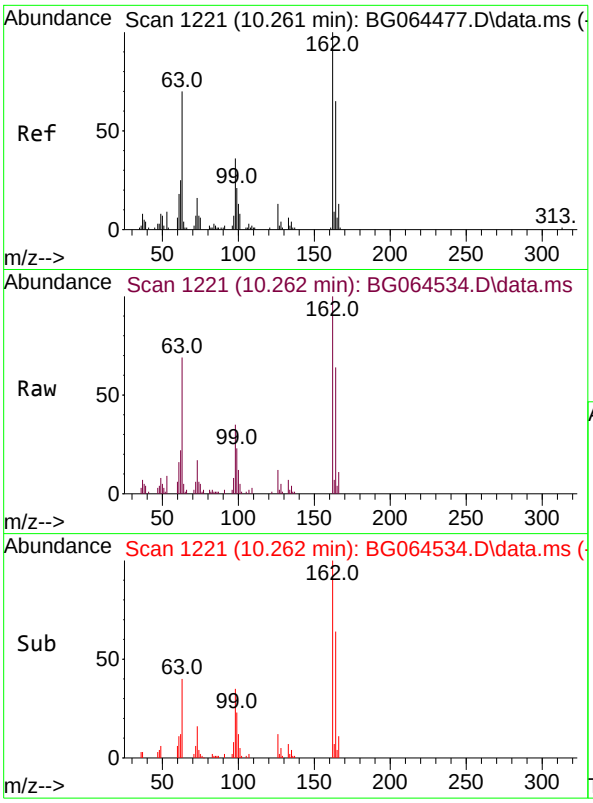


#28
bis(2-Chloroethoxy)methane
Concen: 45.028 ng
RT: 10.015 min Scan# 1179
Delta R.T. -0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion: 93 Resp: 46826

Ion	Ratio	Lower	Upper
93	100		
95	28.8	26.5	39.7
123	10.7	8.9	13.3

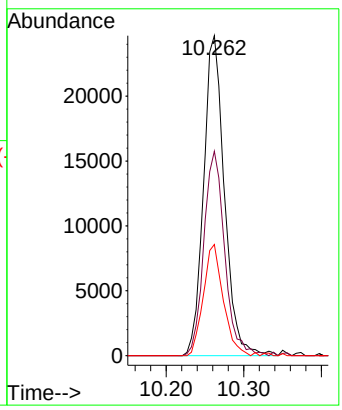




#29
2,4-Dichlorophenol
Concen: 46.675 ng
RT: 10.262 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:162 Resp: 4607

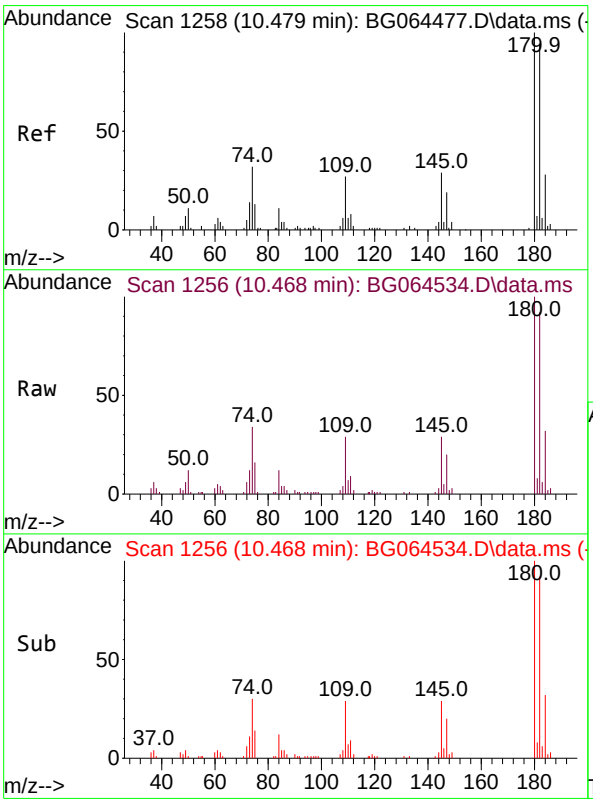
Ion	Ratio	Lower	Upper
162	100		
164	63.9	45.4	85.4
98	34.7	16.4	56.4



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

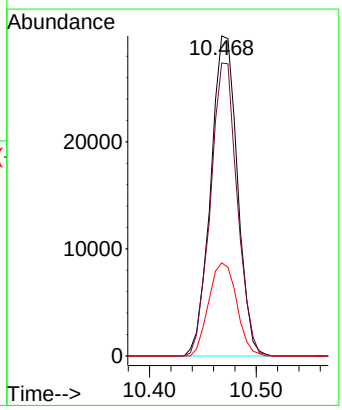
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

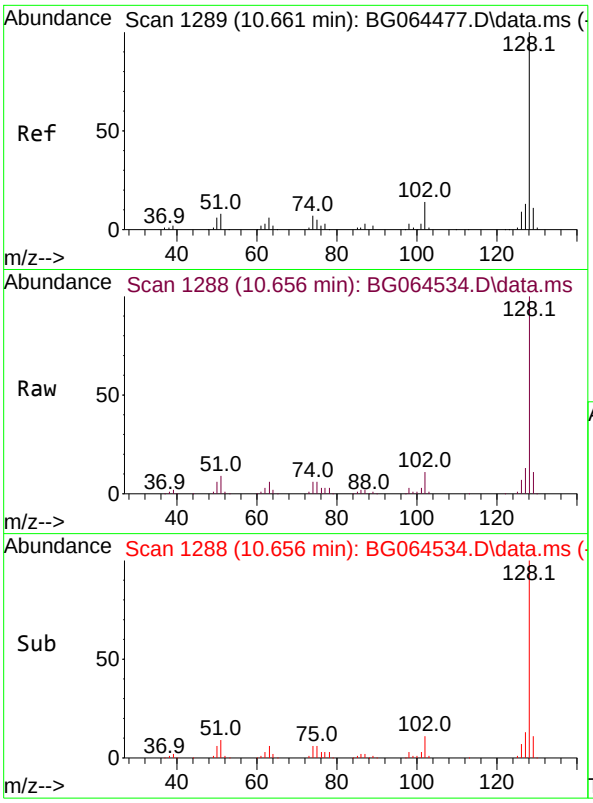


#30
1,2,4-Trichlorobenzene
Concen: 48.305 ng
RT: 10.468 min Scan# 1256
Delta R.T. -0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:180 Resp: 51994

Ion	Ratio	Lower	Upper
180	100		
182	91.5	75.4	113.2
145	29.1	23.2	34.8

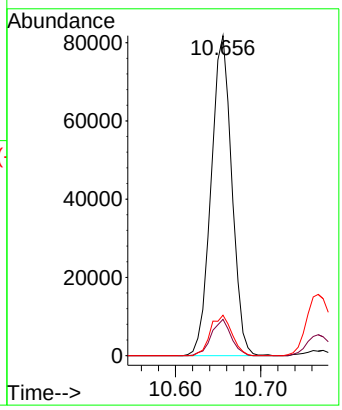




#31
Naphthalene
Concen: 44.089 ng
RT: 10.656 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:128 Resp: 13747

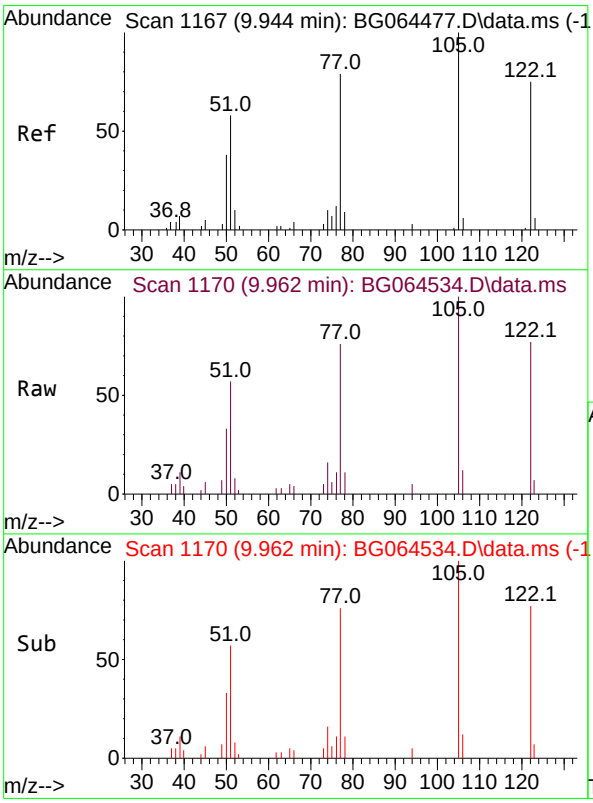
Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.7	13.1
127	12.6	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

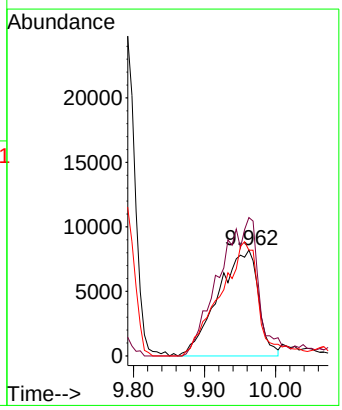
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

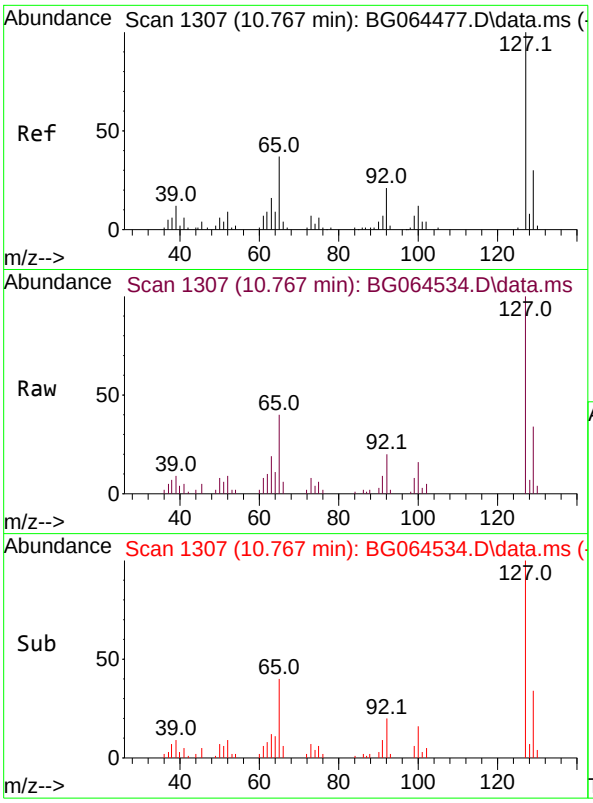


#32
Benzoic acid
Concen: 49.247 ng
RT: 9.962 min Scan# 1170
Delta R.T. 0.074 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:122 Resp: 32278

Ion	Ratio	Lower	Upper
122	100		
105	130.6	113.9	153.9
77	99.8	86.1	126.1

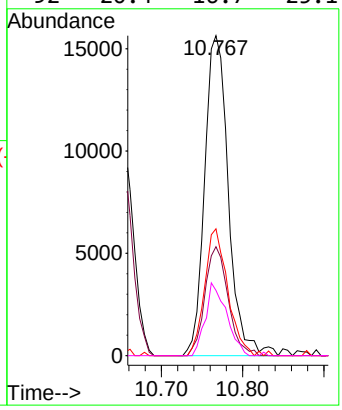




#33
4-Chloroaniline
Concen: 26.562 ng
RT: 10.767 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:127 Resp: 3178

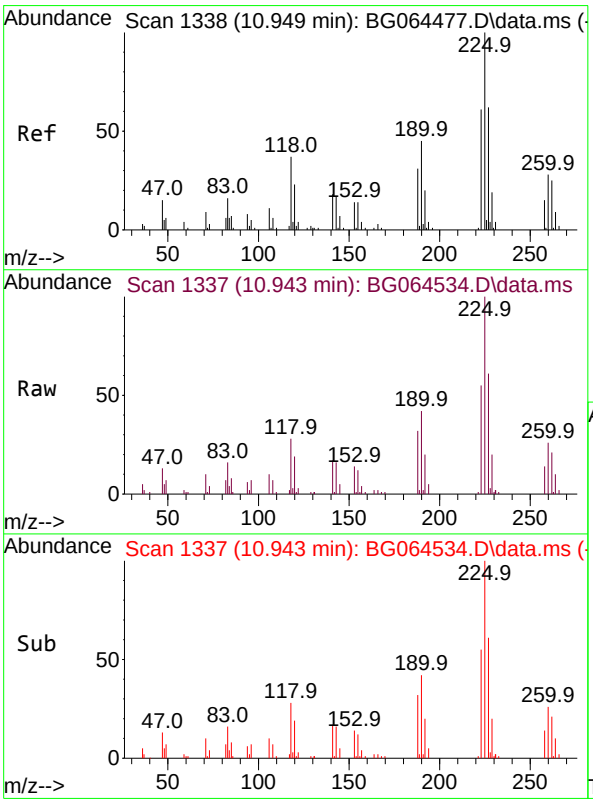
Ion	Ratio	Lower	Upper
127	100		
129	34.0	24.2	36.4
65	39.6	29.6	44.4
92	20.4	16.7	25.1



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

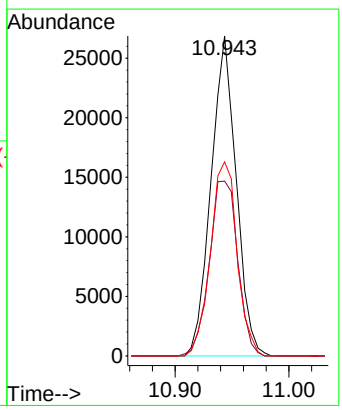
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

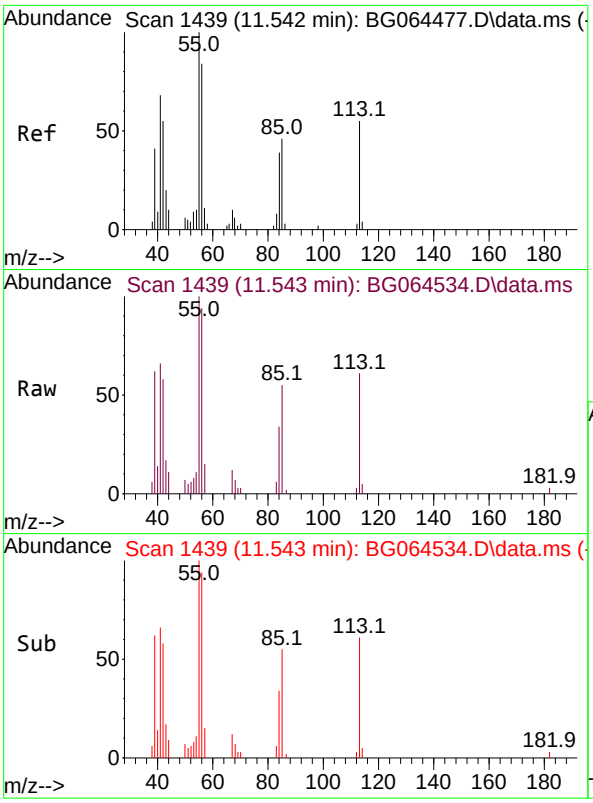


#34
Hexachlorobutadiene
Concen: 44.797 ng
RT: 10.943 min Scan# 1337
Delta R.T. -0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:225 Resp: 41295

Ion	Ratio	Lower	Upper
225	100		
223	54.6	49.0	73.6
227	60.6	49.9	74.9

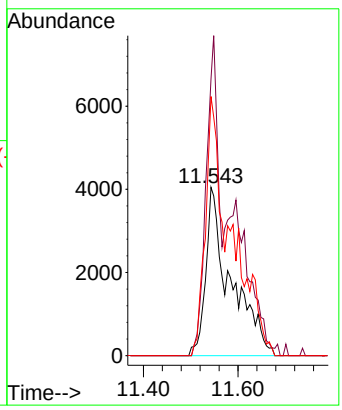




#35
Caprolactam
Concen: 43.983 ng m
RT: 11.543 min Scan# 14
Delta R.T. 0.033 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:113 Resp: 1486

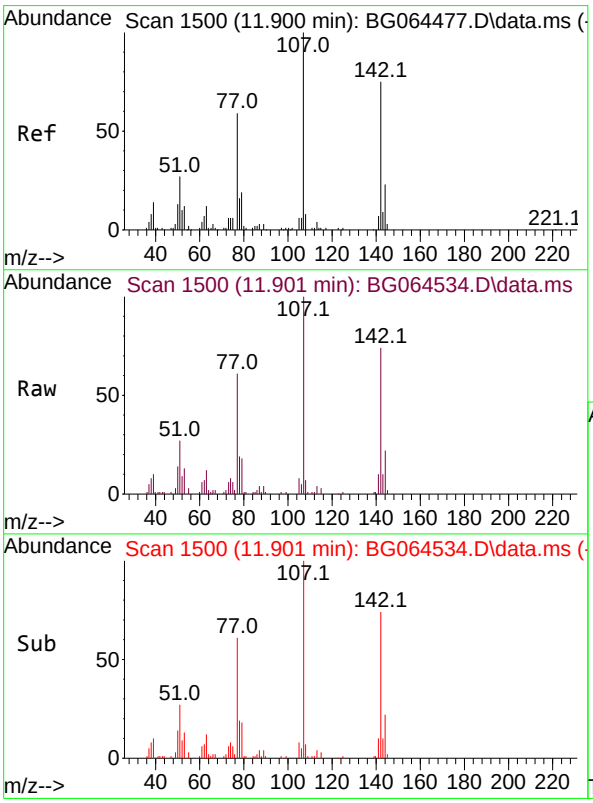
Ion	Ratio	Lower	Upper
113	100		
55	164.4	162.0	202.0
56	154.0	134.6	174.6



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

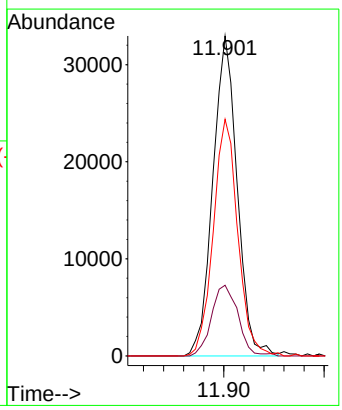
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

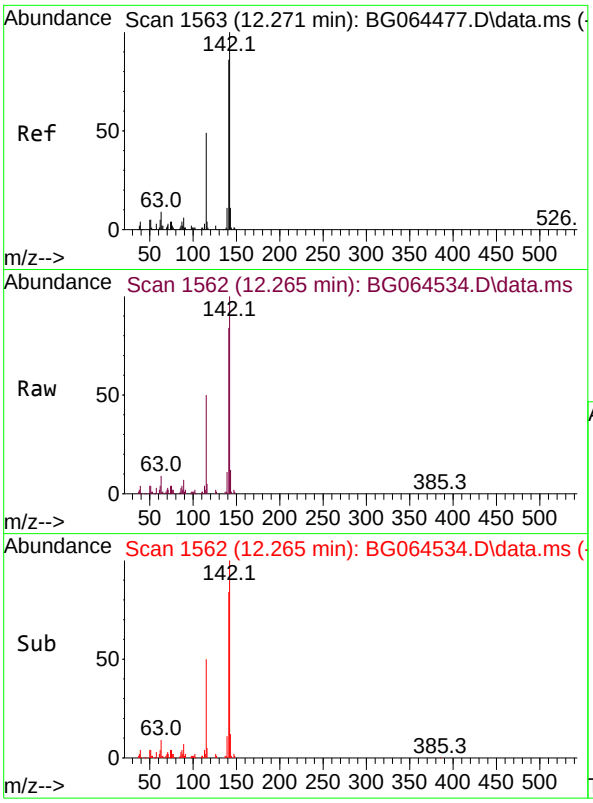


#36
4-Chloro-3-methylphenol
Concen: 46.254 ng
RT: 11.901 min Scan# 1500
Delta R.T. 0.009 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:107 Resp: 55528

Ion	Ratio	Lower	Upper
107	100		
144	22.1	18.7	28.1
142	73.9	60.2	90.2

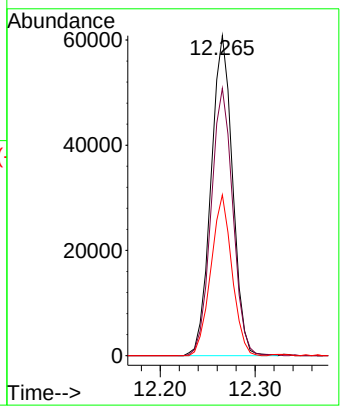




#37
2-Methylnaphthalene
Concen: 40.178 ng
RT: 12.265 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:142 Resp: 9616

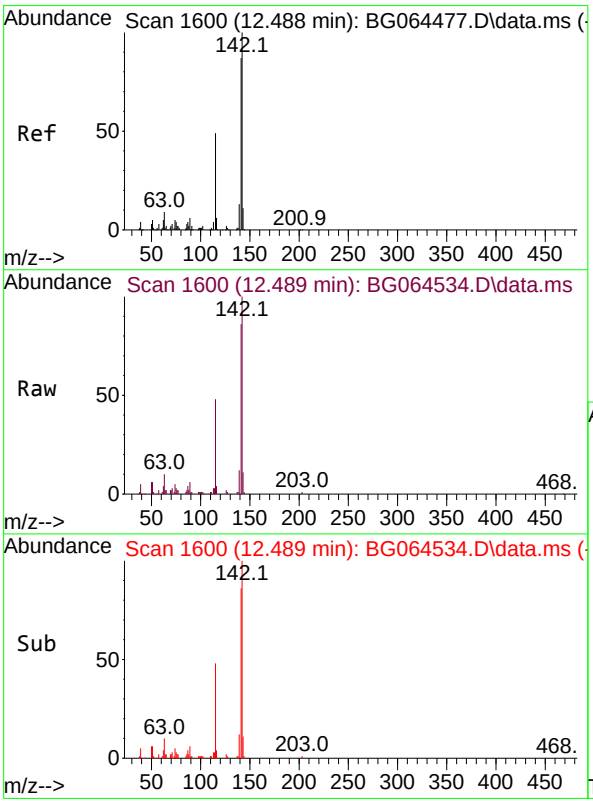
Ion	Ratio	Lower	Upper
142	100		
141	83.5	68.7	103.1
115	50.2	39.3	58.9



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

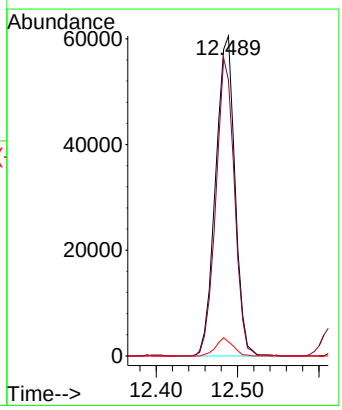
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

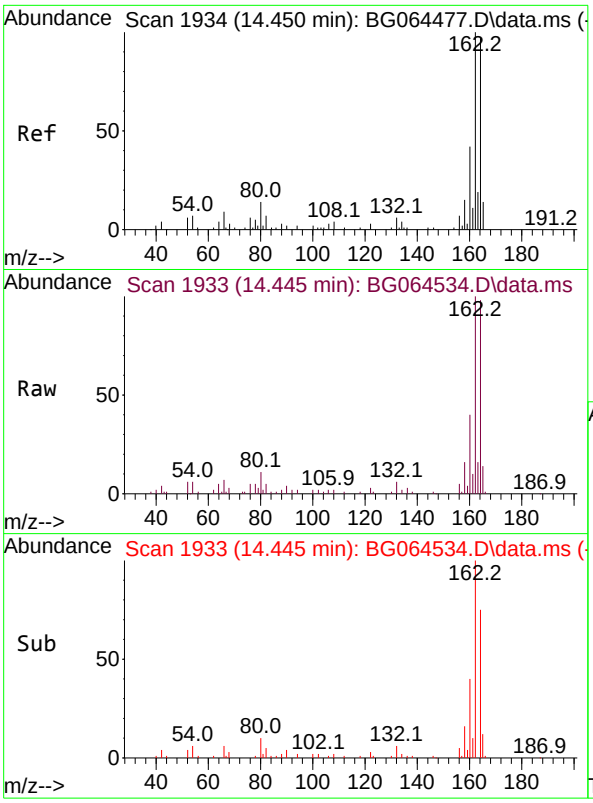


#38
1-Methylnaphthalene
Concen: 41.713 ng m
RT: 12.489 min Scan# 1600
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:142 Resp: 99556

Ion	Ratio	Lower	Upper
142	100		
141	86.3	69.8	104.8
116	4.4	4.6	6.8#

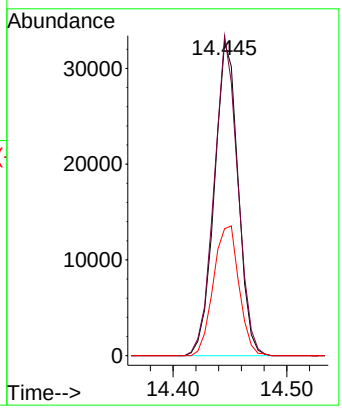




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:164 Resp: 4739

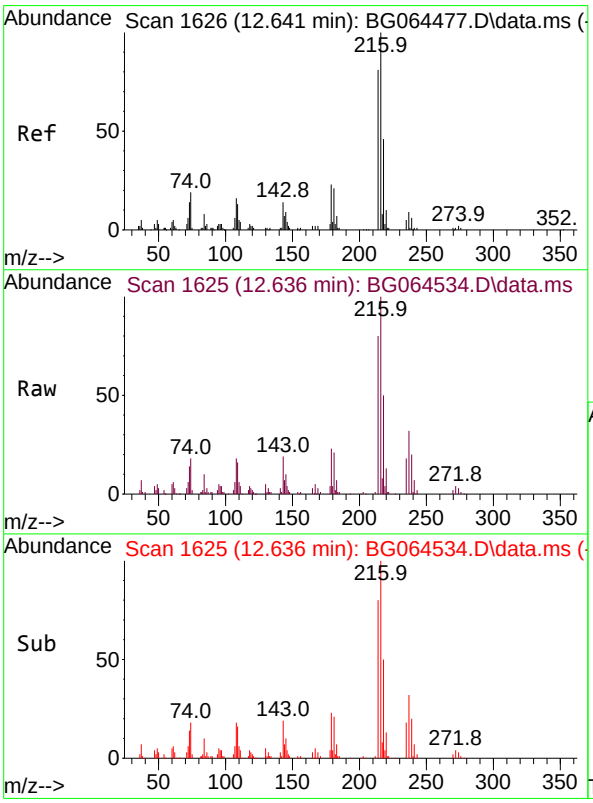
Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.2	123.2
160	40.5	34.3	51.5



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

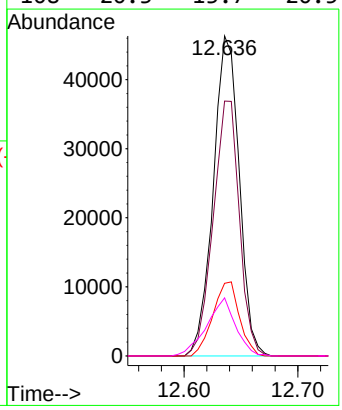
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

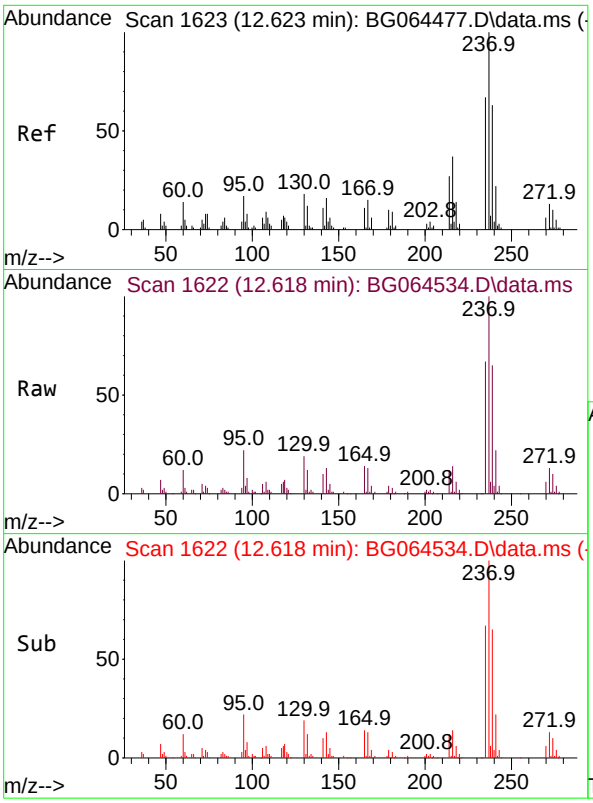


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.965 ng
RT: 12.636 min Scan# 1625
Delta R.T. -0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:216 Resp: 73405

Ion	Ratio	Lower	Upper
216	100		
214	80.0	62.5	93.7
179	23.6	17.0	25.6
108	20.3	13.7	20.5

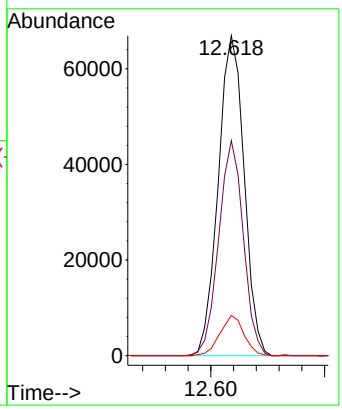




#41
Hexachlorocyclopentadiene
Concen: 132.127 ng
RT: 12.618 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:237 Resp: 10577

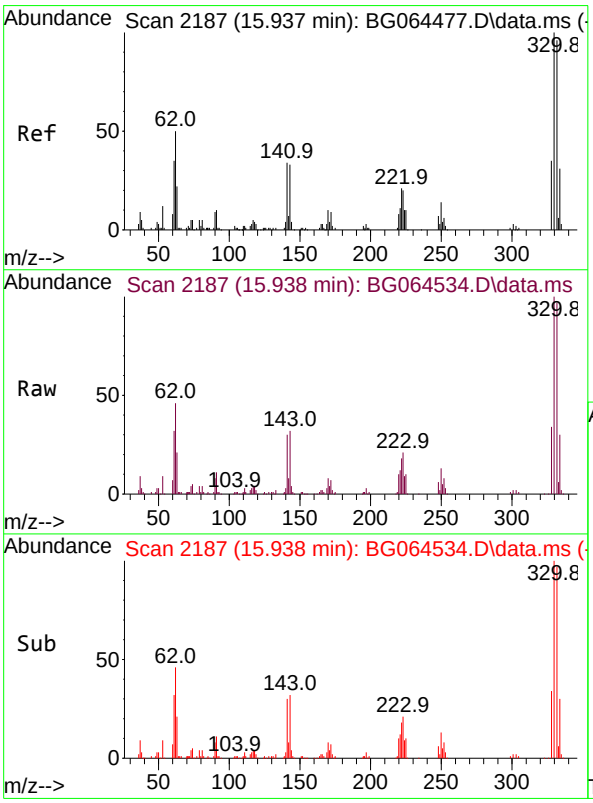
Ion	Ratio	Lower	Upper
237	100		
235	67.2	46.9	86.9
272	12.6	0.0	32.6



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

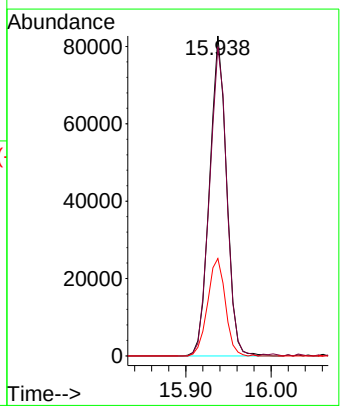
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

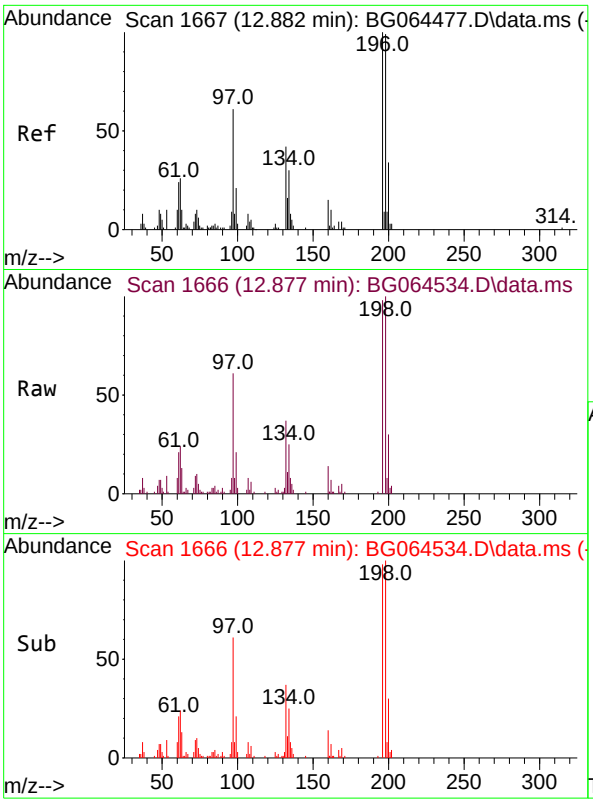


#42
2,4,6-Tribromophenol
Concen: 133.360 ng
RT: 15.938 min Scan# 2187
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:330 Resp: 114577

Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.4	116.0
141	31.7	25.8	38.6

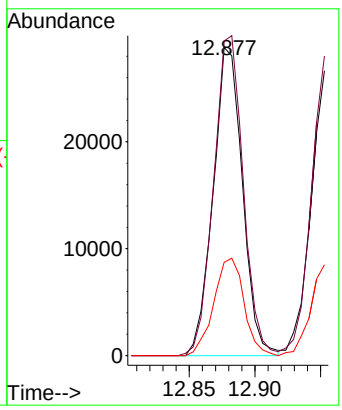




#43
2,4,6-Trichlorophenol
Concen: 45.890 ng
RT: 12.877 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:196 Resp: 4489

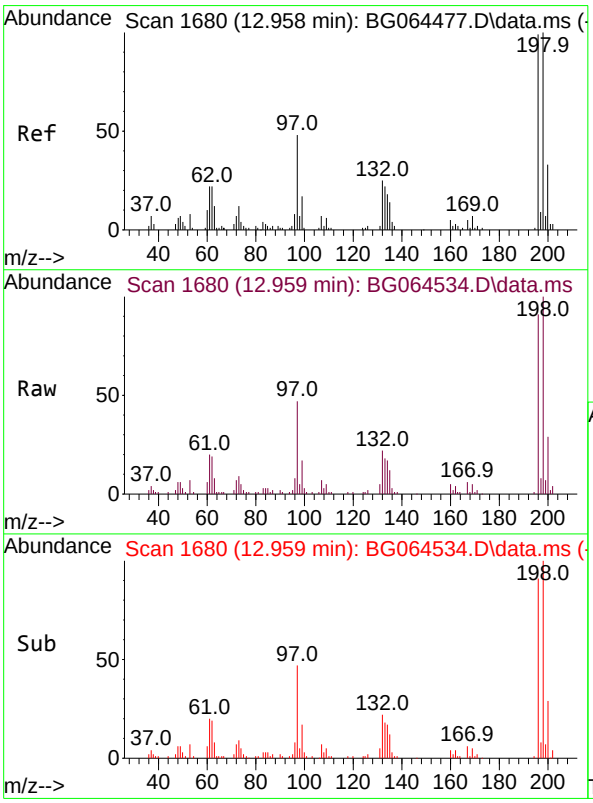
Ion	Ratio	Lower	Upper
196	100		
198	102.1	79.3	118.9
200	30.2	27.4	41.2



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

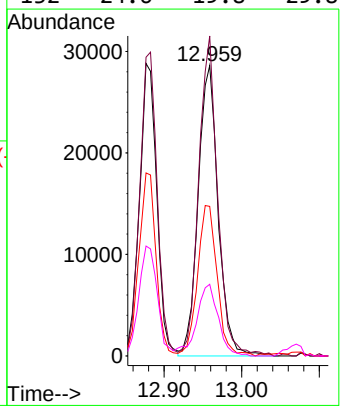
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

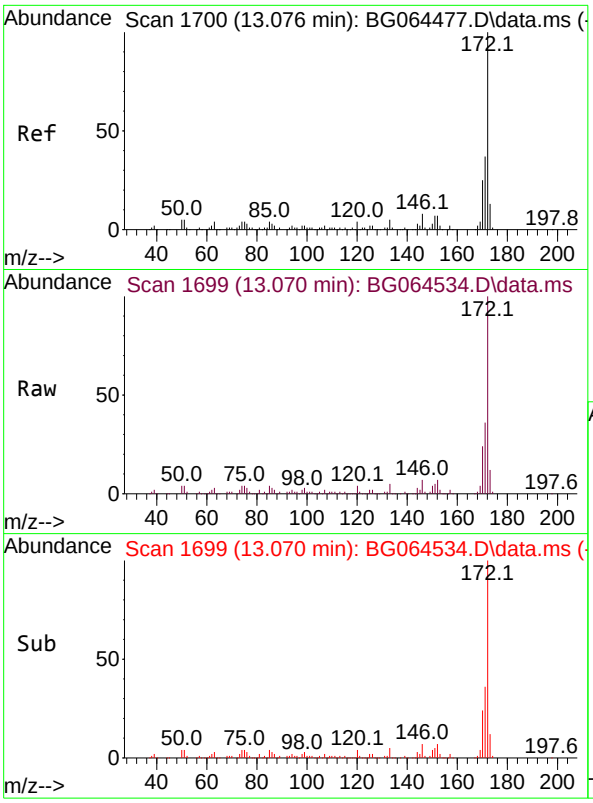


#44
2,4,5-Trichlorophenol
Concen: 46.953 ng
RT: 12.959 min Scan# 1680
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:196 Resp: 51283

Ion	Ratio	Lower	Upper
196	100		
198	110.2	80.3	120.5
97	51.5	39.4	59.0
132	24.6	19.8	29.8

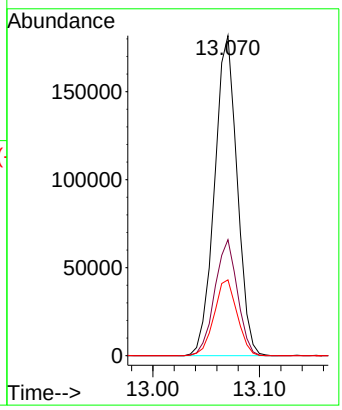




#45
2-Fluorobiphenyl
Concen: 83.324 ng
RT: 13.070 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:172 Resp: 26793

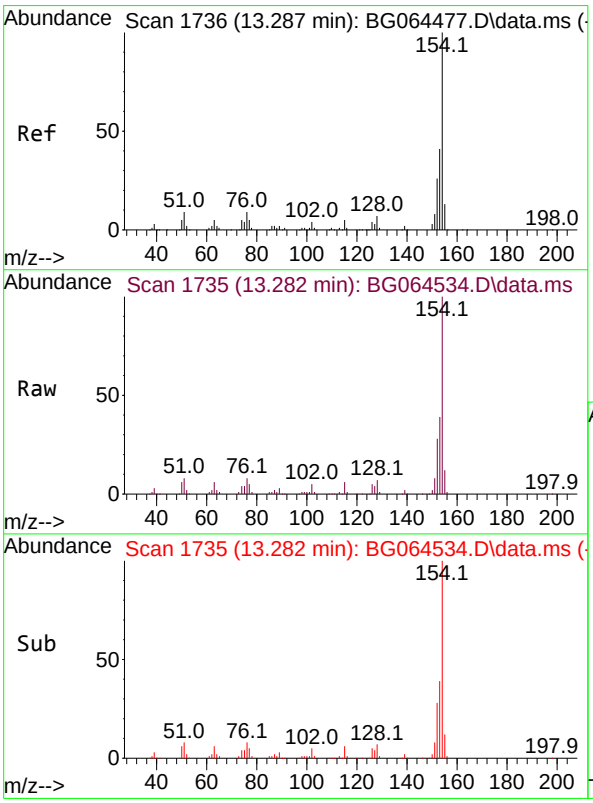
Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	23.7	20.2	30.2



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

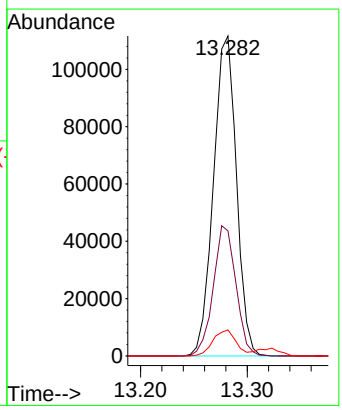
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

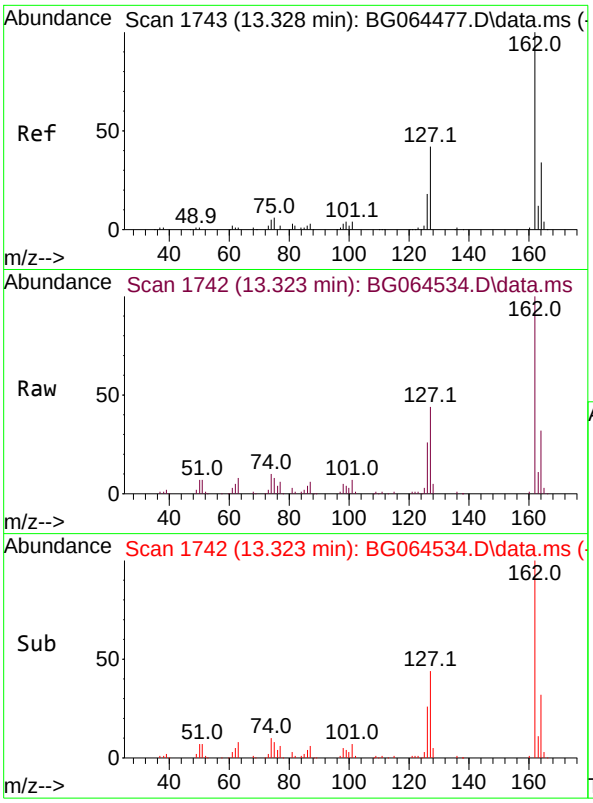


#46
1,1'-Biphenyl
Concen: 49.090 ng
RT: 13.282 min Scan# 1735
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:154 Resp: 167348

Ion	Ratio	Lower	Upper
154	100		
153	39.1	20.7	60.7
76	8.1	0.0	29.3

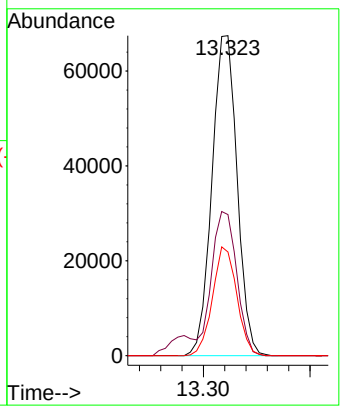




#47
2-Chloronaphthalene
Concen: 43.503 ng
RT: 13.323 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:162 Resp: 11072

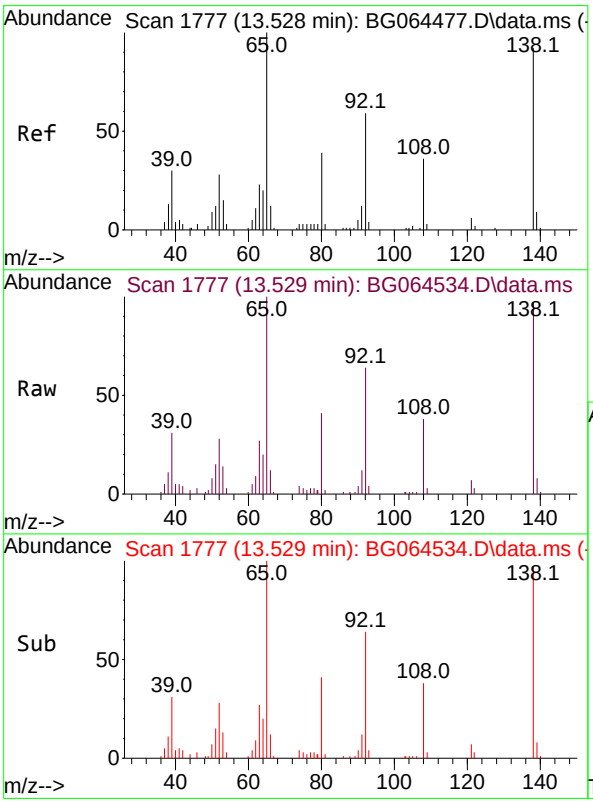
Ion	Ratio	Lower	Upper
162	100		
127	44.1	35.8	53.8
164	32.4	27.2	40.8



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

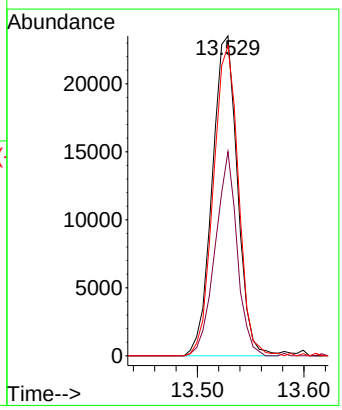
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

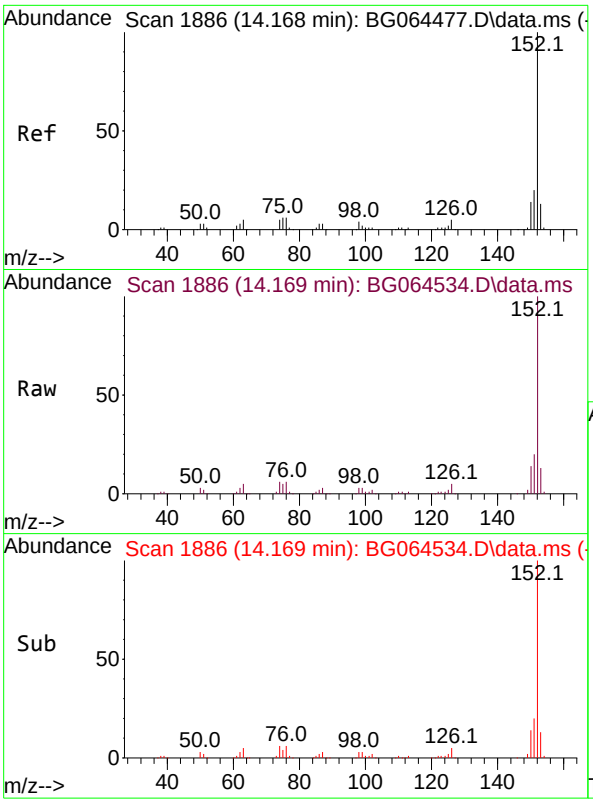


#48
2-Nitroaniline
Concen: 44.650 ng
RT: 13.529 min Scan# 1777
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion: 65 Resp: 38787

Ion	Ratio	Lower	Upper
65	100		
92	63.8	47.0	70.6
138	96.9	73.5	110.3

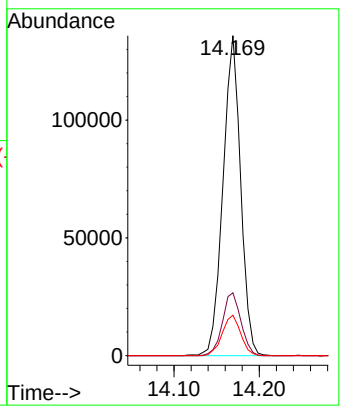




#49
Acenaphthylene
Concen: 51.599 ng
RT: 14.169 min Scan# 18
Delta R.T. -0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:152 Resp: 19495

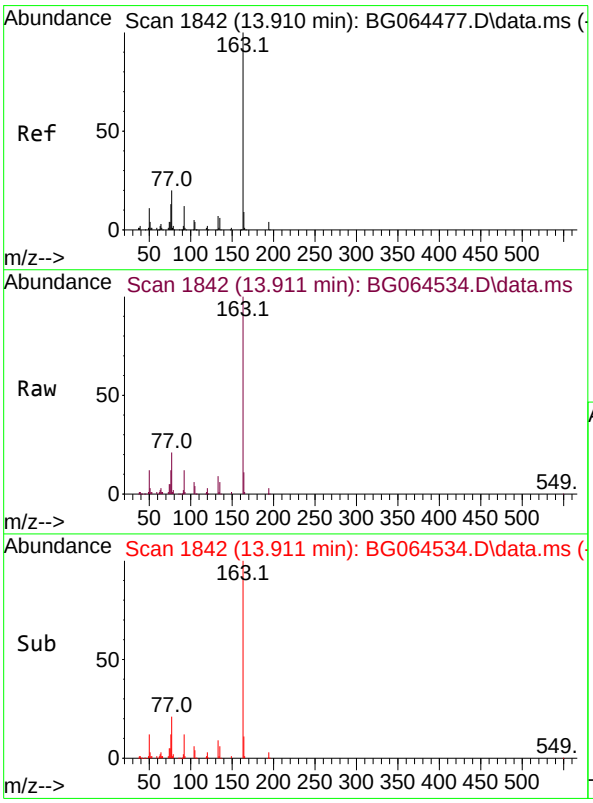
Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.6
153	12.7	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

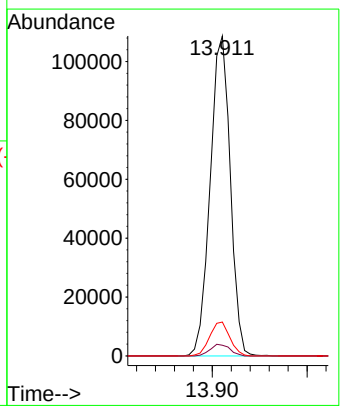
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

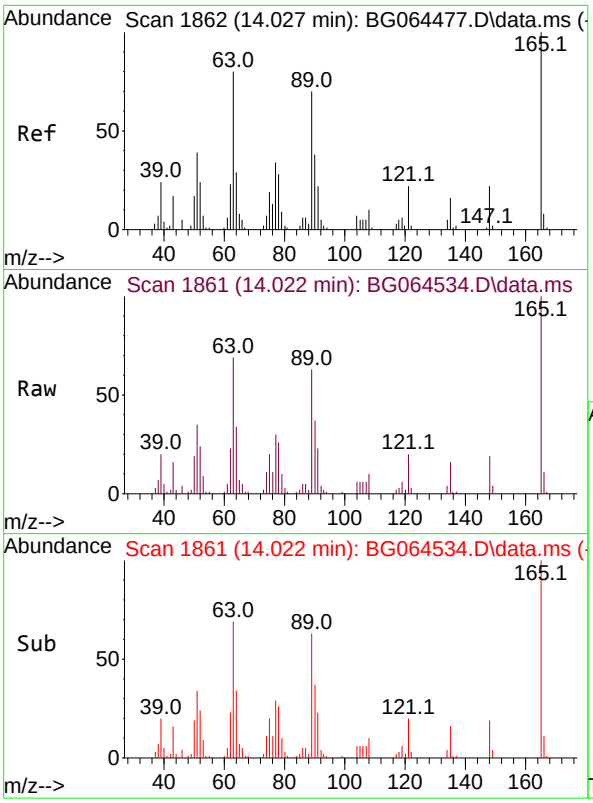


#50
Dimethylphthalate
Concen: 43.080 ng
RT: 13.911 min Scan# 1842
Delta R.T. 0.009 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:163 Resp: 159924

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.9	4.3
164	10.6	7.4	11.0





#51
2,6-Dinitrotoluene
Concen: 46.419 ng
RT: 14.022 min Scan# 18
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

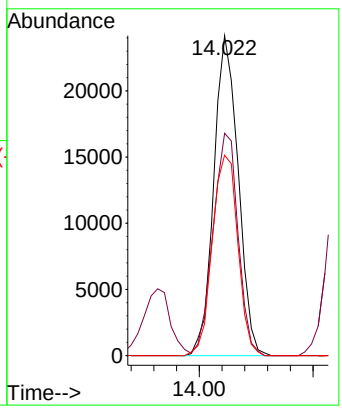
Tgt Ion:165 Resp: 3589

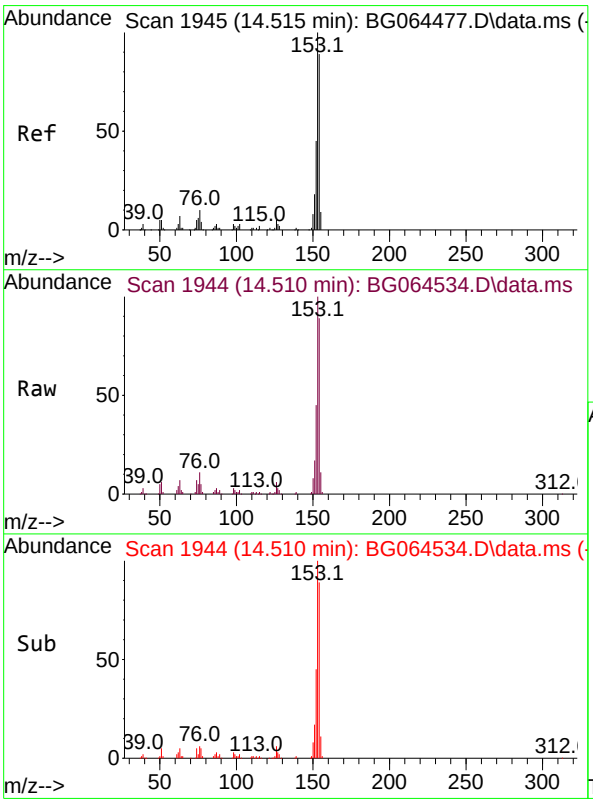
Ion	Ratio	Lower	Upper
165	100		
63	69.5	63.9	95.9
89	62.6	56.1	84.1

Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

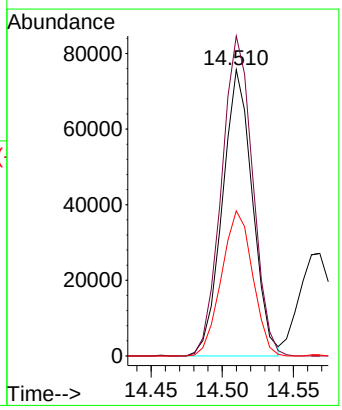


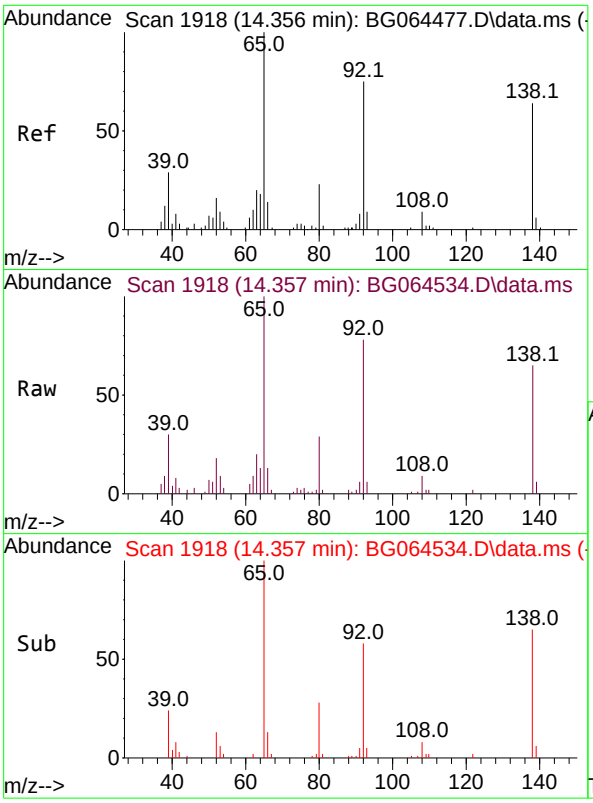


#52
Acenaphthene
Concen: 42.340 ng
RT: 14.510 min Scan# 1944
Delta R.T. -0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:154 Resp: 111143

Ion	Ratio	Lower	Upper
154	100		
153	111.8	90.2	135.4
152	50.7	40.2	60.4

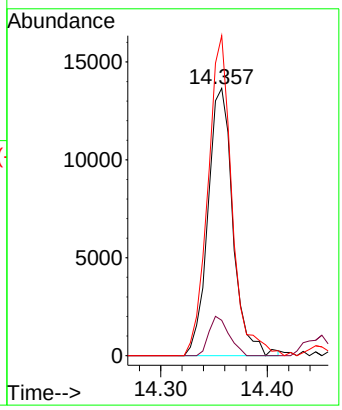




#53
3-Nitroaniline
Concen: 31.154 ng
RT: 14.357 min Scan# 19
Delta R.T. 0.009 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:138 Resp: 2221

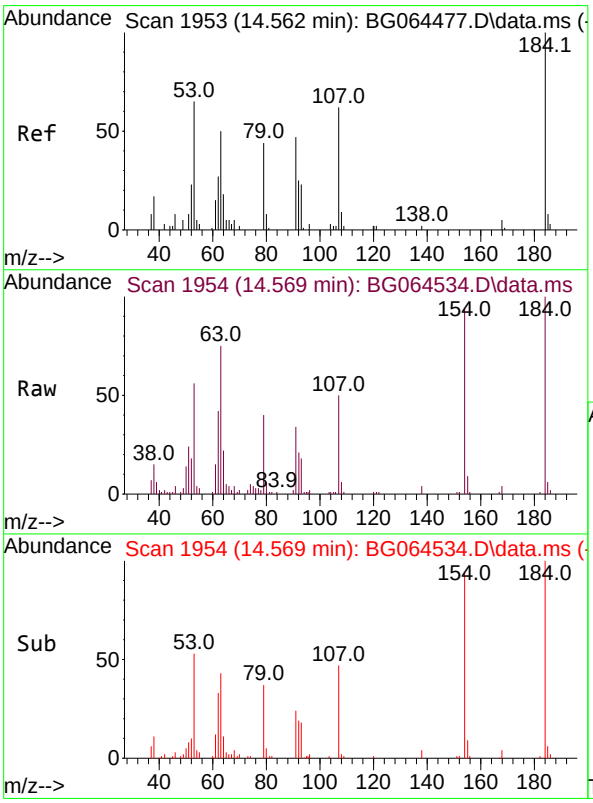
Ion	Ratio	Lower	Upper
138	100		
108	13.2	10.6	15.8
92	119.7	93.2	139.8



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

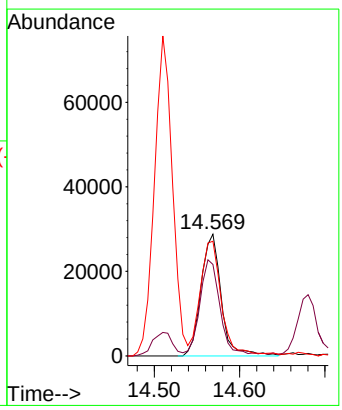
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

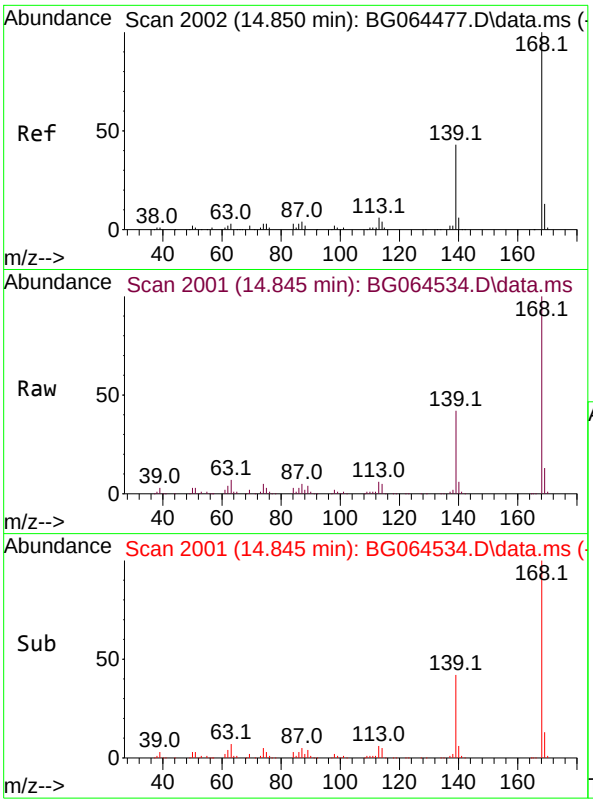


#54
2,4-Dinitrophenol
Concen: 84.445 ng
RT: 14.569 min Scan# 1954
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:184 Resp: 47351

Ion	Ratio	Lower	Upper
184	100		
63	75.2	69.0	103.4
154	94.2	95.6	143.4#

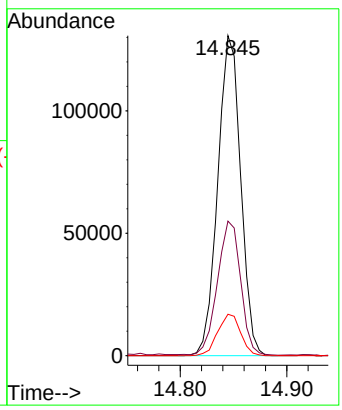




#55
Dibenzofuran
Concen: 45.118 ng
RT: 14.845 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:168 Resp: 19555

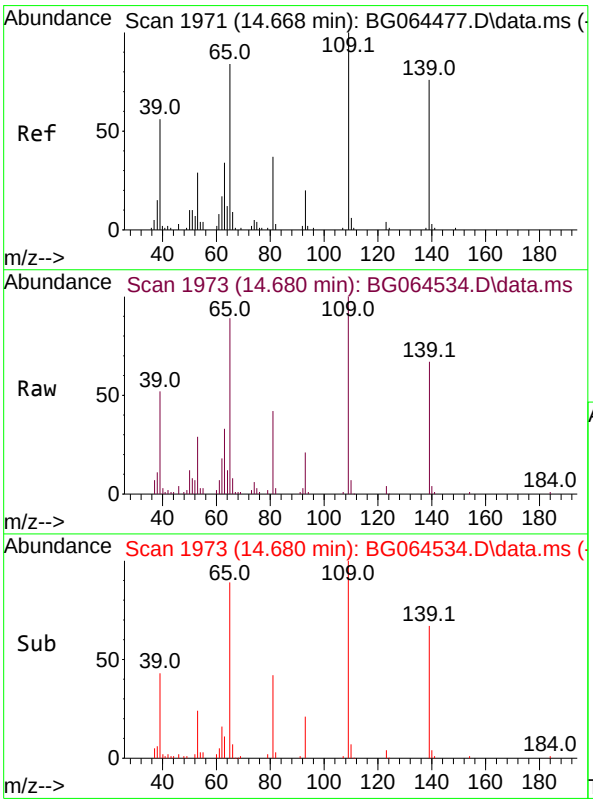
Ion	Ratio	Lower	Upper
168	100		
139	42.0	34.0	51.0
169	12.9	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

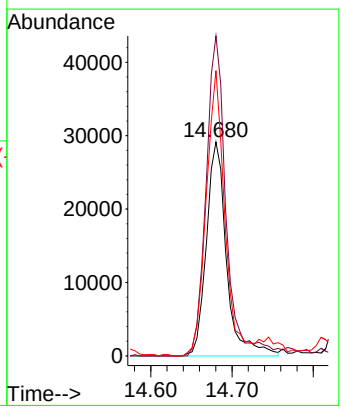
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

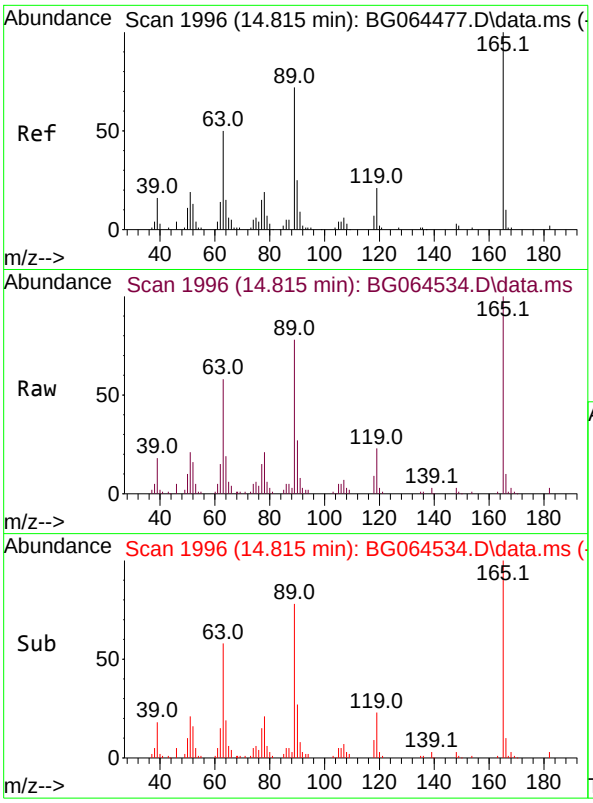


#56
4-Nitrophenol
Concen: 89.566 ng
RT: 14.680 min Scan# 1973
Delta R.T. 0.015 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:139 Resp: 50291

Ion	Ratio	Lower	Upper
139	100		
109	149.7	111.8	151.8
65	133.4	91.1	131.1#

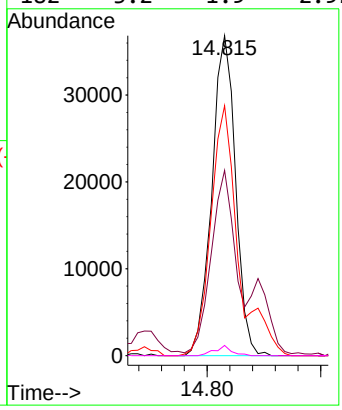




#57
2,4-Dinitrotoluene
Concen: 44.993 ng
RT: 14.815 min Scan# 19
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:165 Resp: 5318

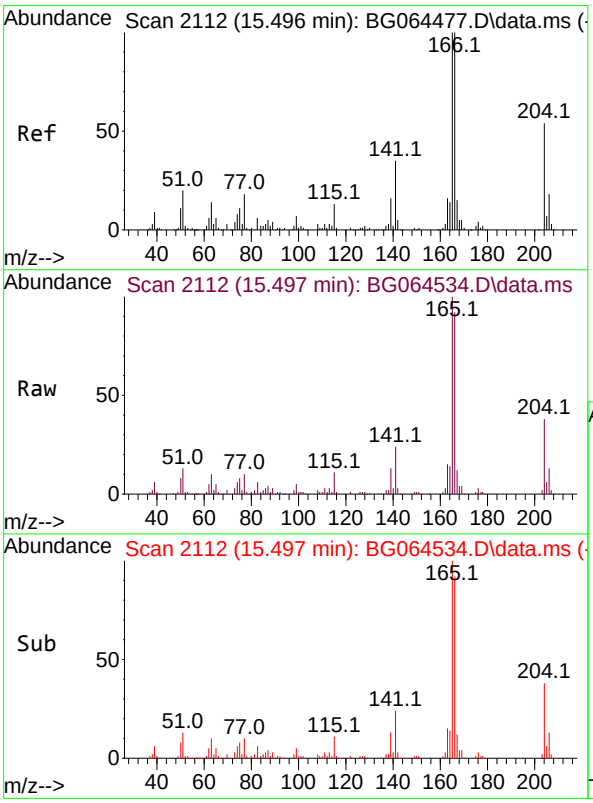
Ion	Ratio	Lower	Upper
165	100		
63	57.9	40.4	60.6
89	78.1	57.3	85.9
182	3.2	1.9	2.9#



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

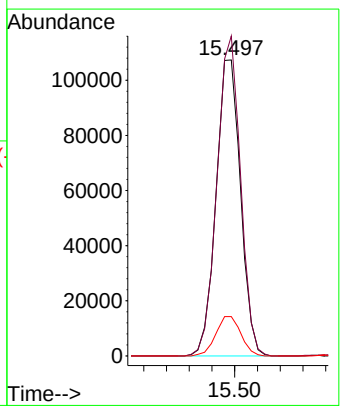
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

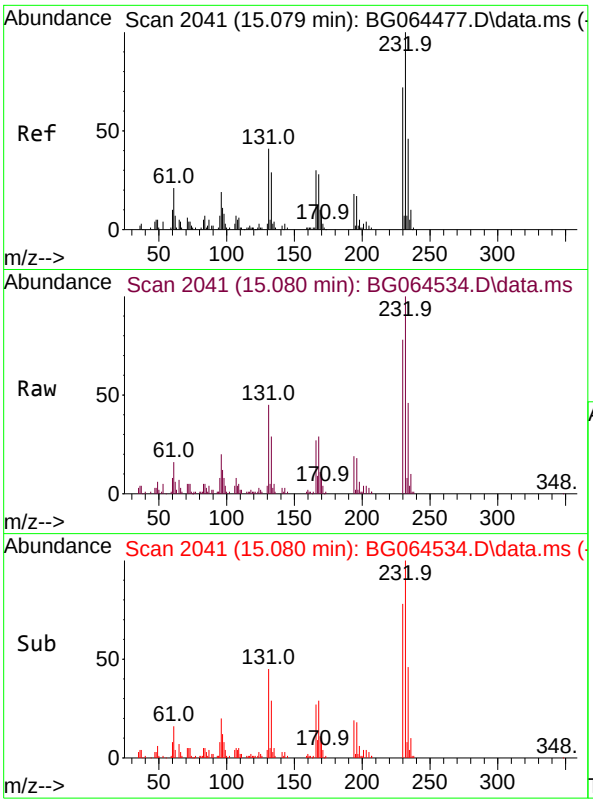


#58
Fluorene
Concen: 44.551 ng
RT: 15.497 min Scan# 2112
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:166 Resp: 160529

Ion	Ratio	Lower	Upper
166	100		
165	108.1	79.8	119.6
167	13.3	11.7	17.5

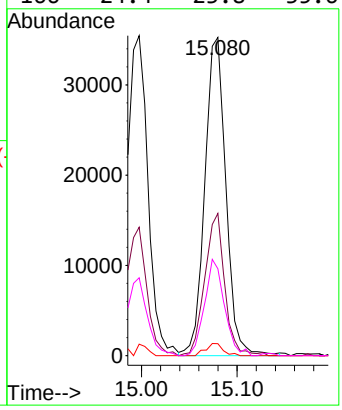




#59
2,3,4,6-Tetrachlorophenol
Concen: 48.357 ng m
RT: 15.080 min Scan# 2
Delta R.T. 0.009 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:232 Resp: 5390

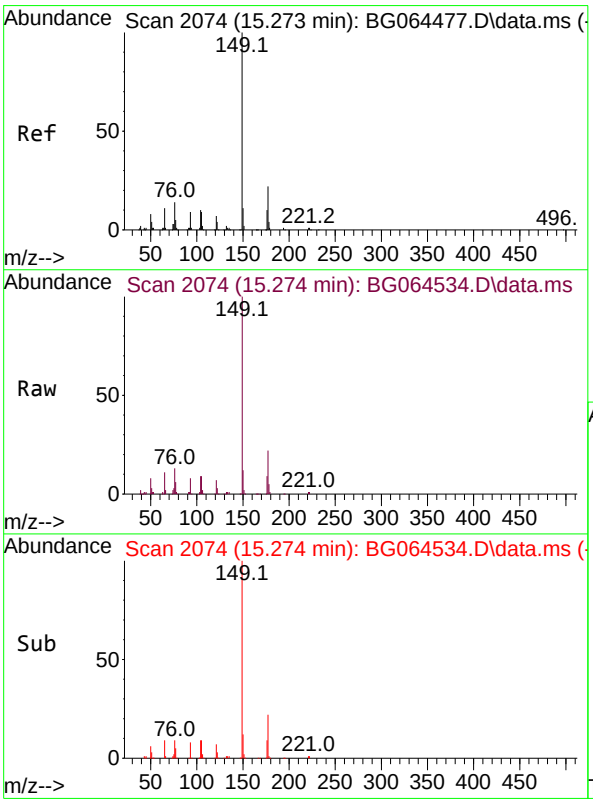
Ion	Ratio	Lower	Upper
232	100		
131	39.6	35.0	52.4
130	2.3	2.0	3.0
166	24.4	23.8	35.6



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

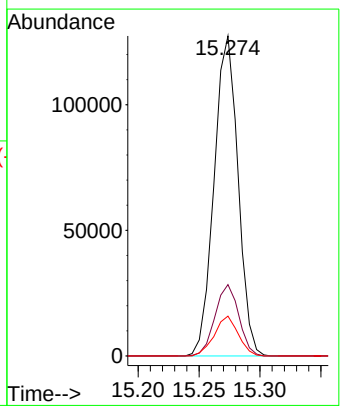
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

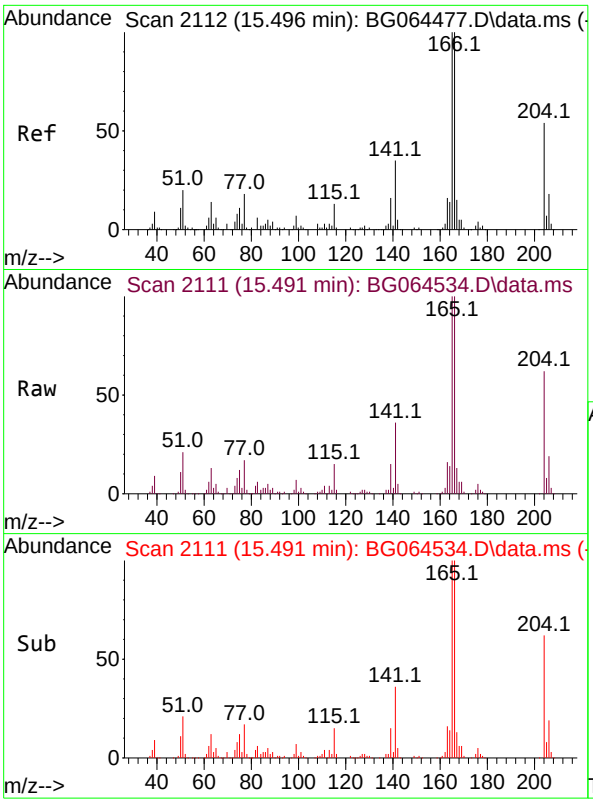


#60
Diethylphthalate
Concen: 43.682 ng
RT: 15.274 min Scan# 2074
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:149 Resp: 173957

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.4	26.0
150	12.4	9.1	13.7

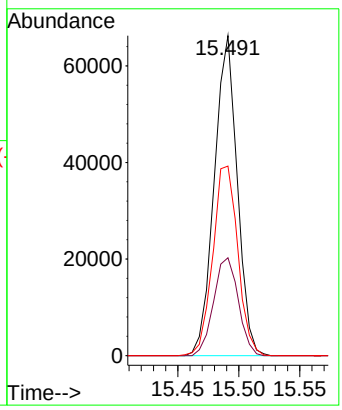




#61
4-Chlorophenyl-phenylether
Concen: 44.179 ng
RT: 15.491 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:204 Resp: 8690

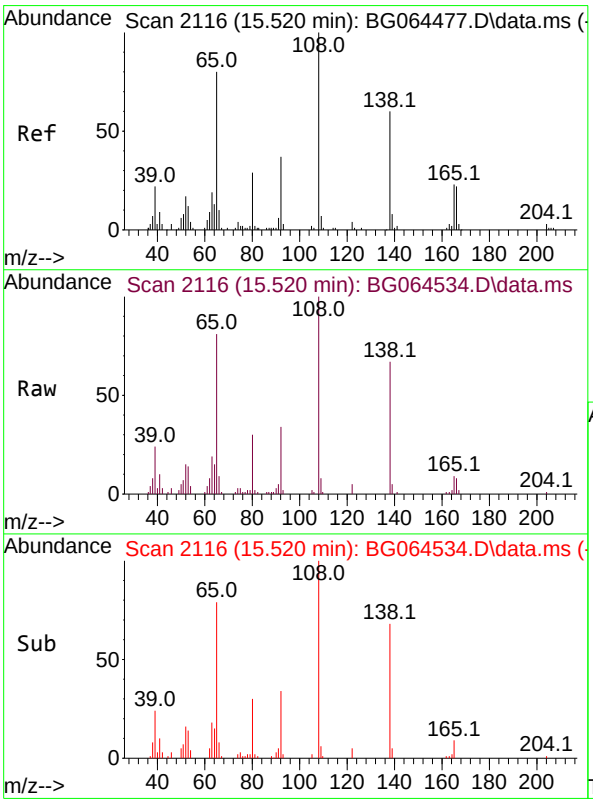
Ion	Ratio	Lower	Upper
204	100		
206	30.6	27.1	40.7
141	59.2	51.5	77.3



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

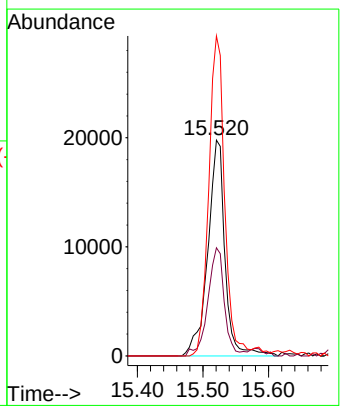
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

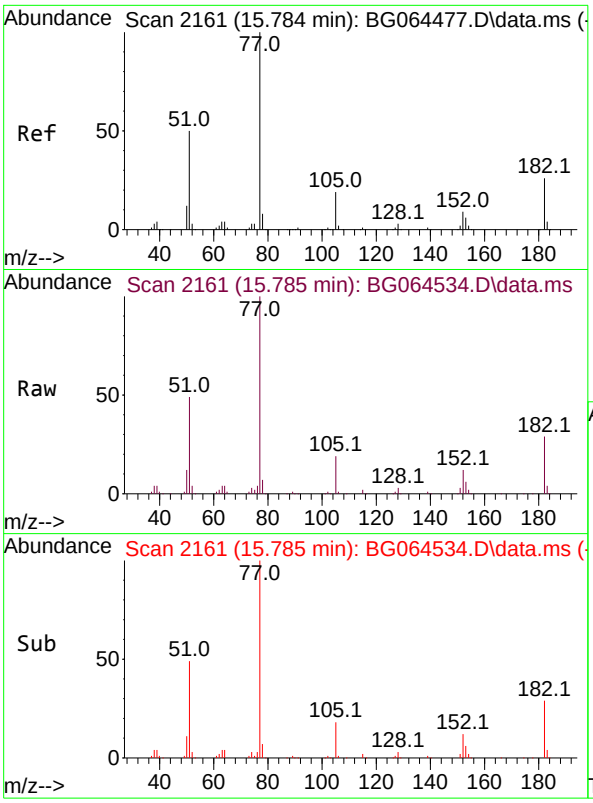


#62
4-Nitroaniline
Concen: 48.352 ng
RT: 15.520 min Scan# 2116
Delta R.T. 0.009 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:138 Resp: 35941

Ion	Ratio	Lower	Upper
138	100		
92	50.1	42.3	82.3
108	148.3	147.7	187.7

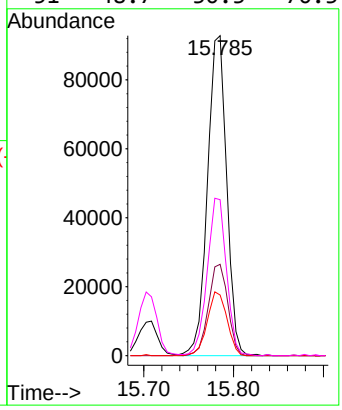




#63
Azobenzene
Concen: 44.717 ng
RT: 15.785 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion: 77 Resp: 13791

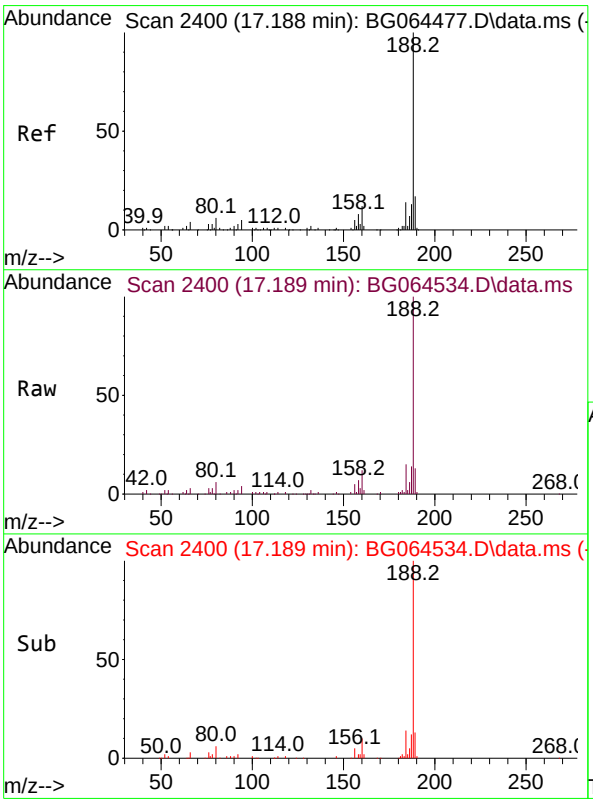
Ion	Ratio	Lower	Upper
77	100		
182	28.6	6.3	46.3
105	18.9	0.0	38.7
51	48.7	30.3	70.3



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

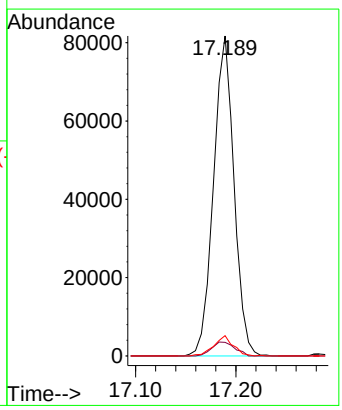
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

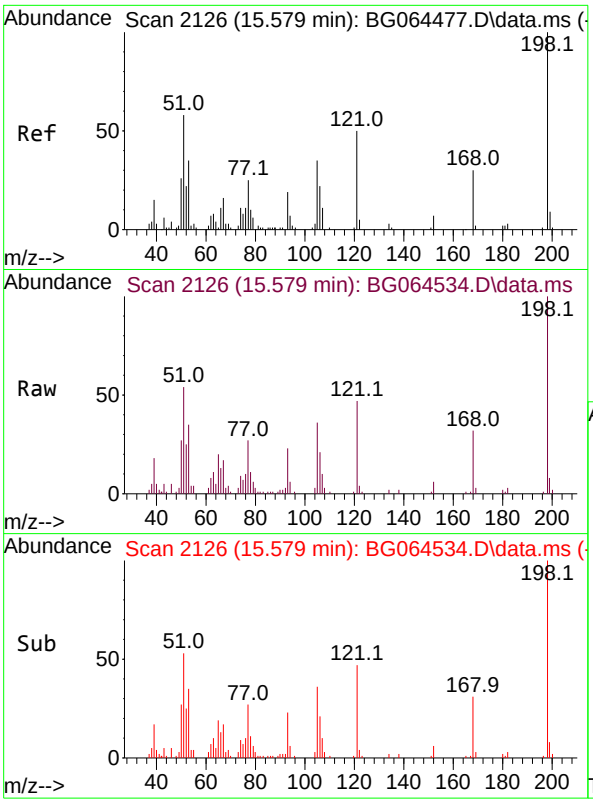


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2400
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:188 Resp: 115978

Ion	Ratio	Lower	Upper
188	100		
94	4.2	3.7	5.5
80	6.4	4.5	6.7

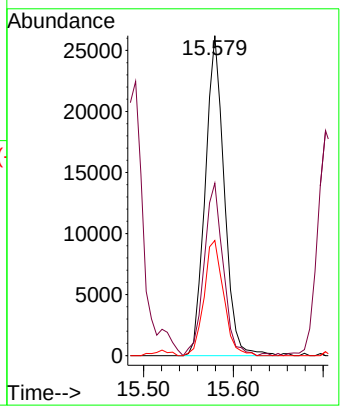




#65
4,6-Dinitro-2-methylphenol
Concen: 47.703 ng
RT: 15.579 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:198 Resp: 3852

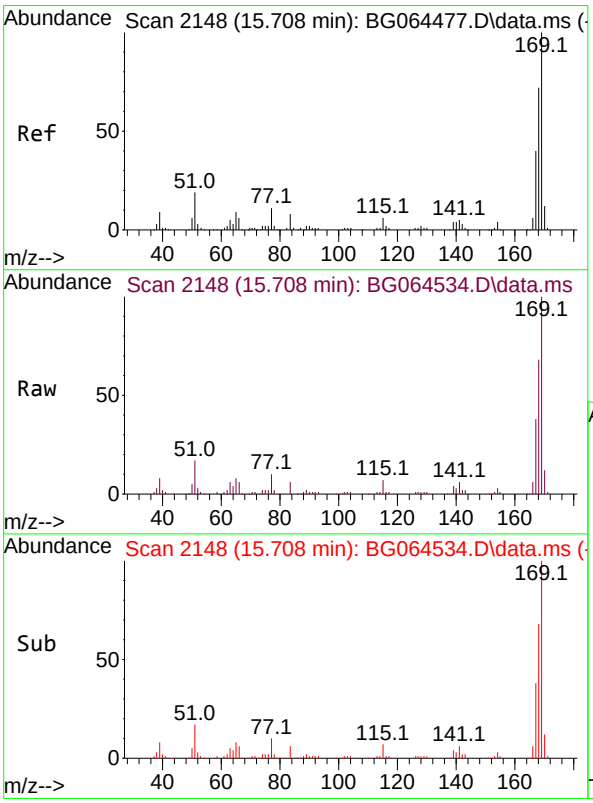
Ion	Ratio	Lower	Upper
198	100		
51	53.9	39.0	79.0
105	36.0	15.8	55.8



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

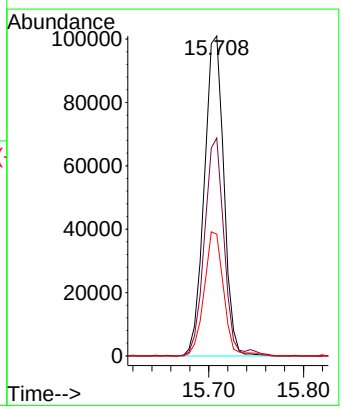
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

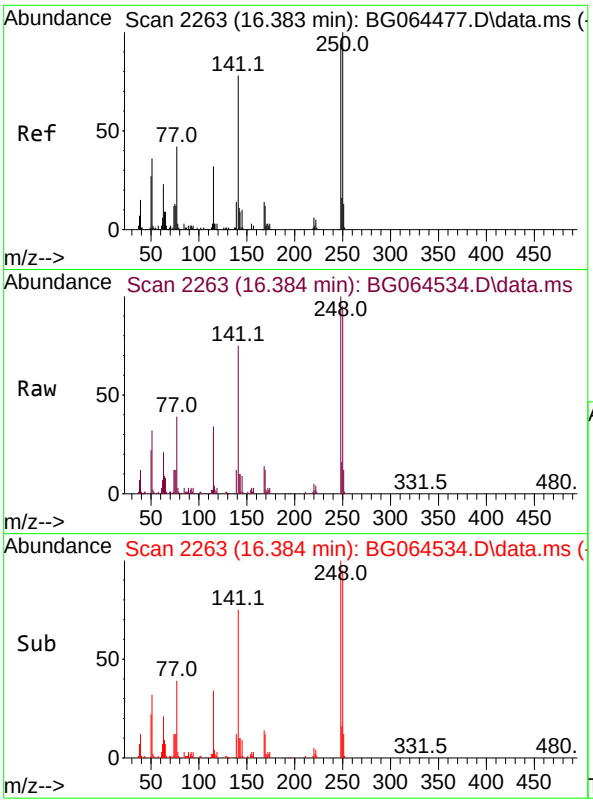


#66
n-Nitrosodiphenylamine
Concen: 46.746 ng
RT: 15.708 min Scan# 2148
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:169 Resp: 144777

Ion	Ratio	Lower	Upper
169	100		
168	68.1	57.8	86.6
167	38.0	31.7	47.5





#67
4-Bromophenyl-phenylether
Concen: 45.504 ng
RT: 16.384 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

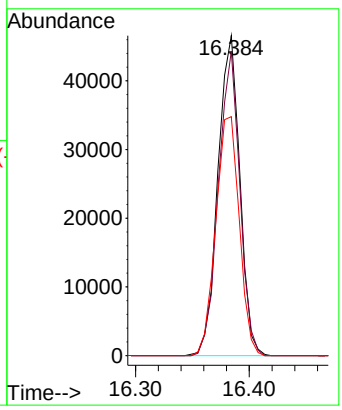
Tgt Ion:248 Resp: 6210

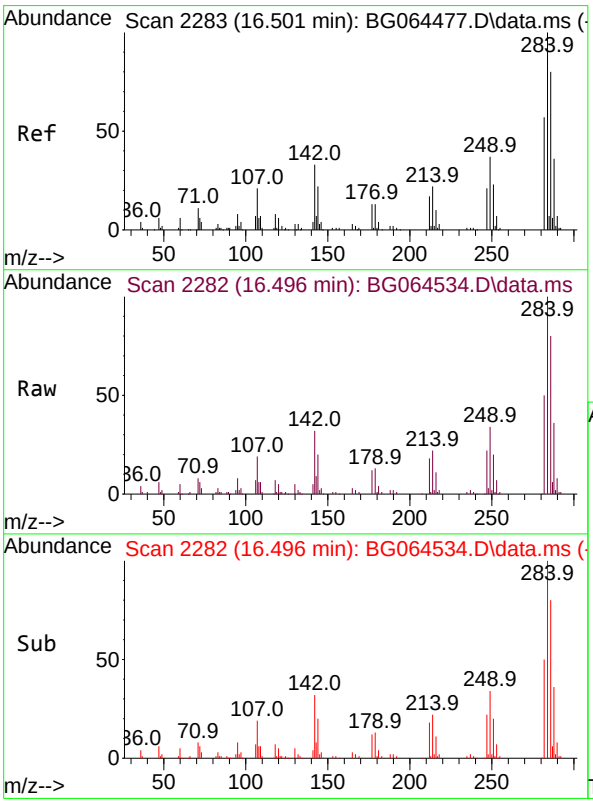
Ion	Ratio	Lower	Upper
248	100		
250	95.2	85.3	127.9
141	74.7	66.2	99.2

Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

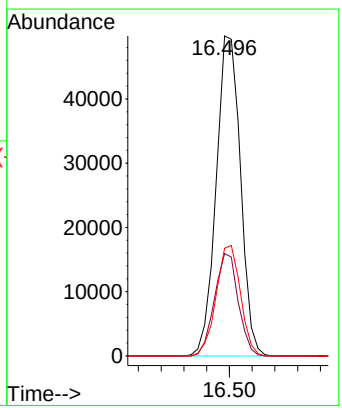


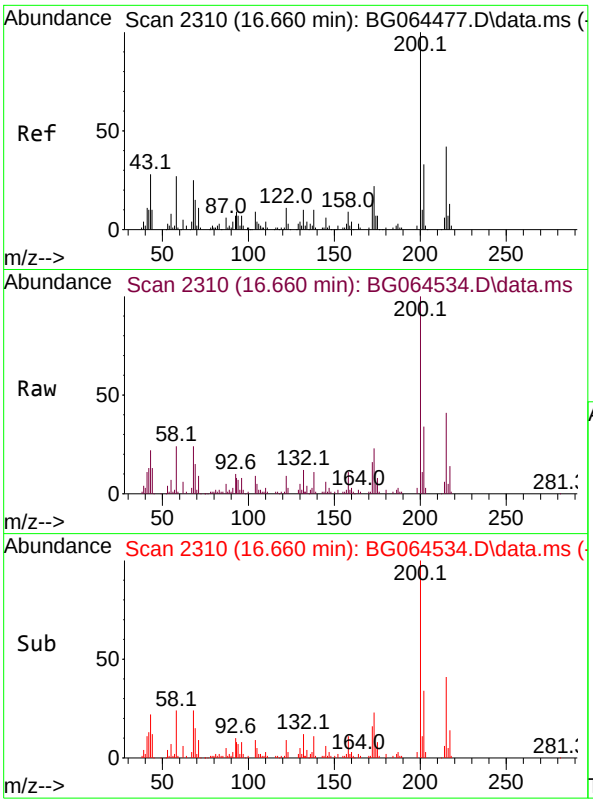


#68
Hexachlorobenzene
Concen: 47.242 ng
RT: 16.496 min Scan# 2282
Delta R.T. -0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:284 Resp: 73779

Ion	Ratio	Lower	Upper
284	100		
142	32.0	26.2	39.2
249	33.6	29.4	44.0

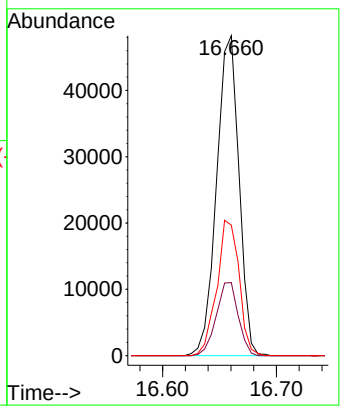




#69
Atrazine
Concen: 47.860 ng
RT: 16.660 min Scan# 2
Delta R.T. 0.009 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:200 Resp: 6594

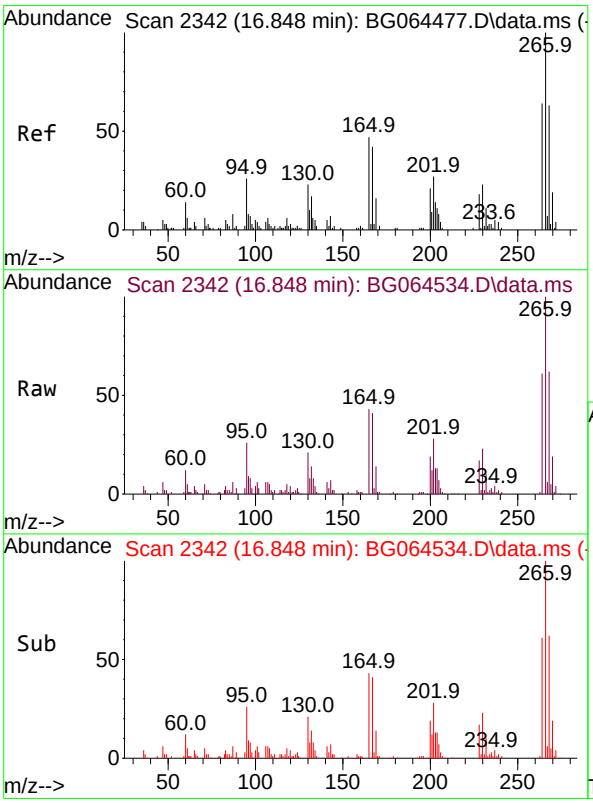
Ion	Ratio	Lower	Upper
200	100		
173	22.8	2.5	42.5
215	40.8	21.5	61.5



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

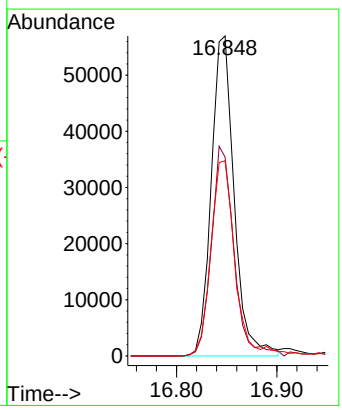
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

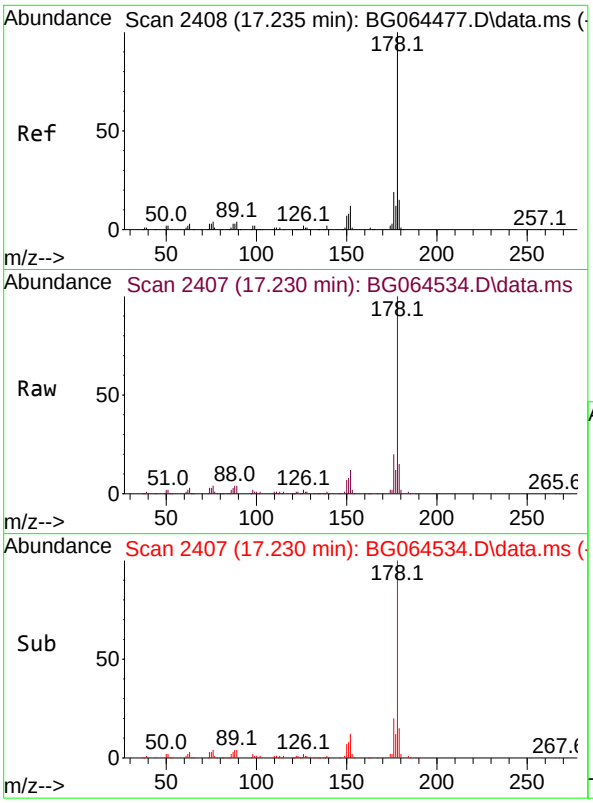


#70
Pentachlorophenol
Concen: 98.765 ng
RT: 16.848 min Scan# 2342
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:266 Resp: 90184

Ion	Ratio	Lower	Upper
266	100		
268	62.1	50.6	75.8
264	61.0	51.2	76.8

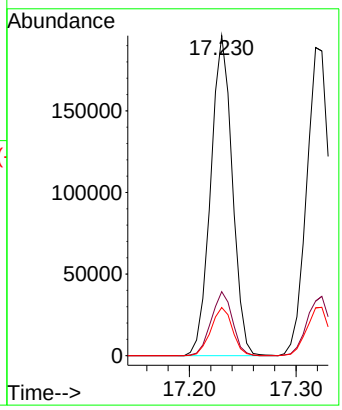




#71
Phenanthrene
Concen: 45.596 ng
RT: 17.230 min Scan# 24
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:178 Resp: 27654

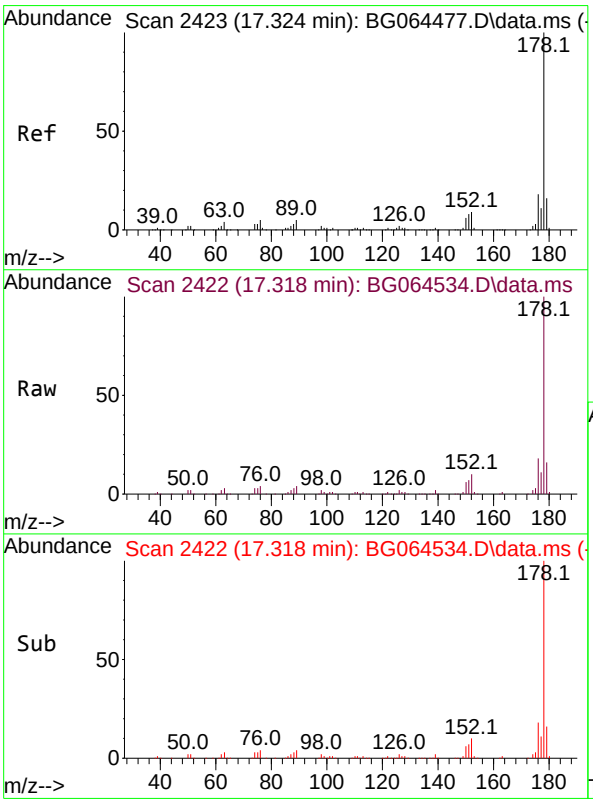
Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.2	22.8
179	15.0	11.8	17.6



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

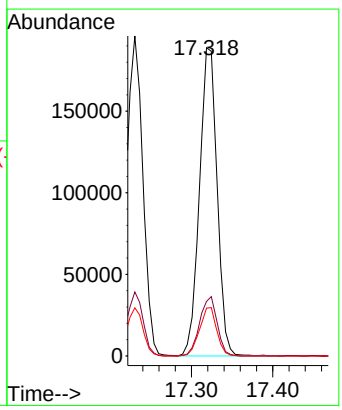
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

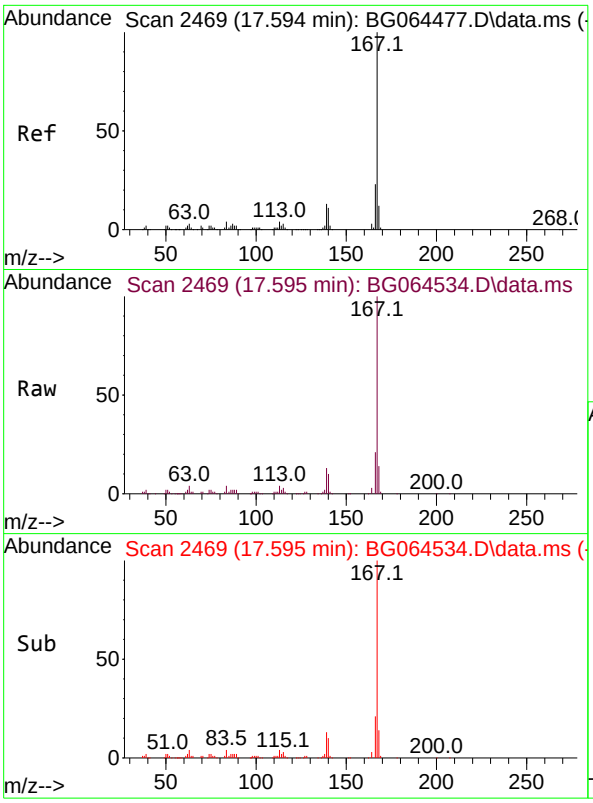


#72
Anthracene
Concen: 46.852 ng
RT: 17.318 min Scan# 2422
Delta R.T. -0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:178 Resp: 285078

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.6	21.8
179	15.5	12.5	18.7

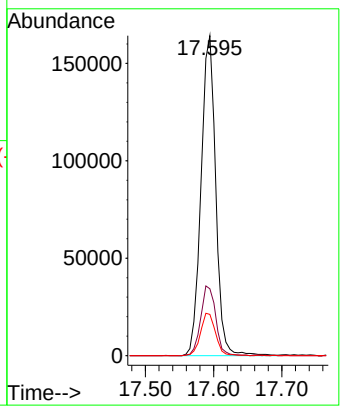




#73
Carbazole
Concen: 46.815 ng
RT: 17.595 min Scan# 24
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:167 Resp: 24621

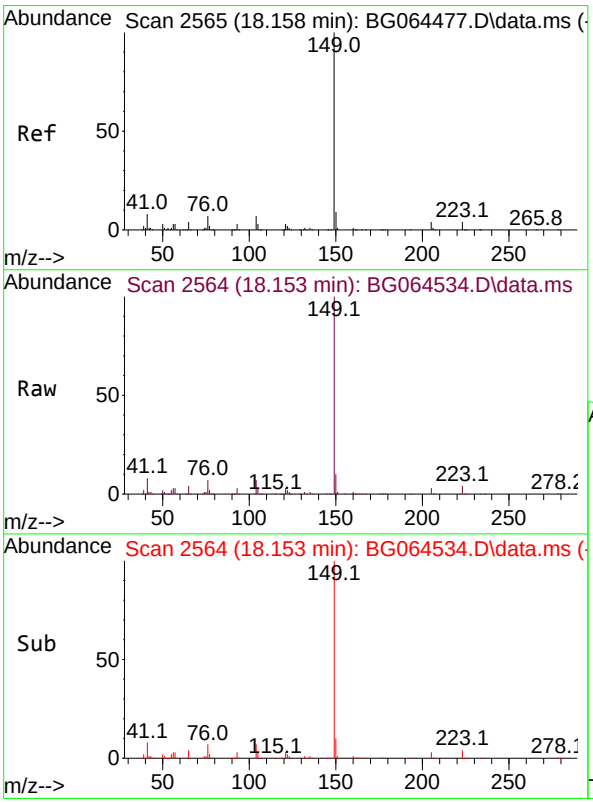
Ion	Ratio	Lower	Upper
167	100		
166	20.9	18.6	27.8
139	12.9	10.2	15.4



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

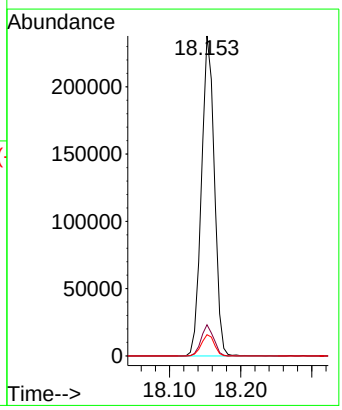
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

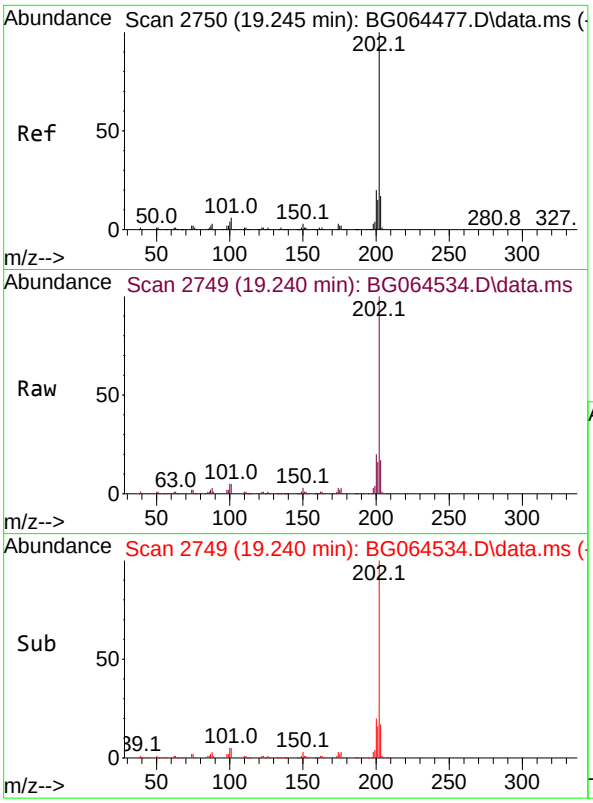


#74
Di-n-butylphthalate
Concen: 46.409 ng
RT: 18.153 min Scan# 2564
Delta R.T. -0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:149 Resp: 297960

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.4	11.2
104	6.6	5.3	7.9

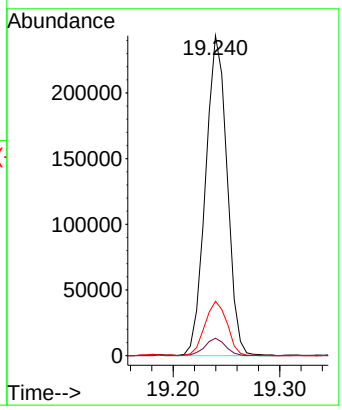




#75
Fluoranthene
Concen: 47.214 ng
RT: 19.240 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:202 Resp: 34210

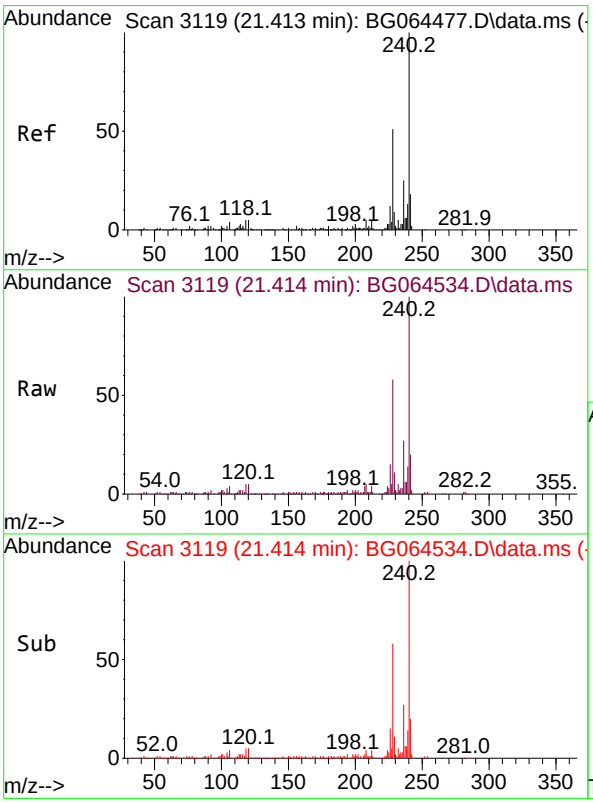
Ion	Ratio	Lower	Upper
202	100		
101	5.4	0.0	25.7
203	17.0	0.0	36.6



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

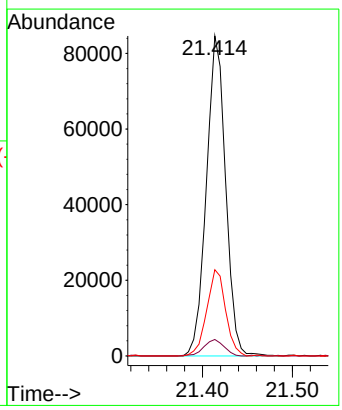
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

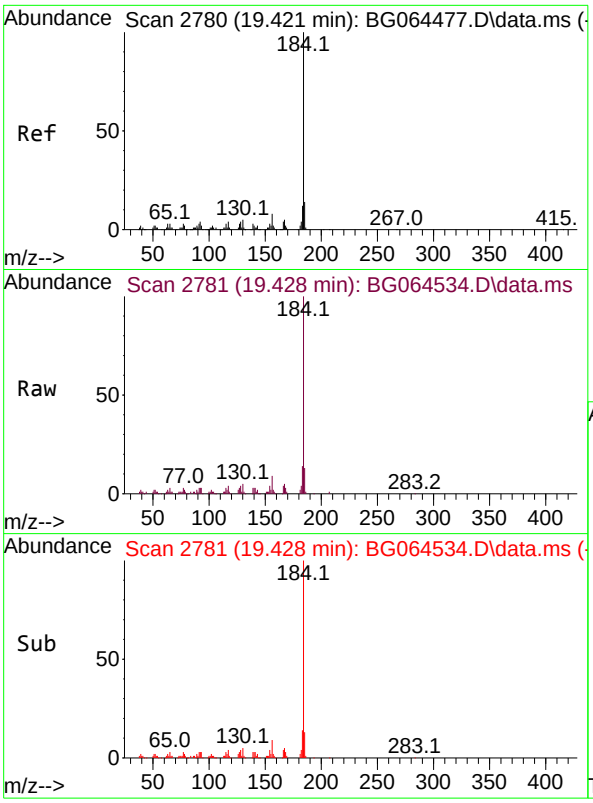


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.414 min Scan# 3119
Delta R.T. 0.004 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:240 Resp: 125702

Ion	Ratio	Lower	Upper
240	100		
120	5.1	4.3	6.5
236	26.9	20.4	30.6

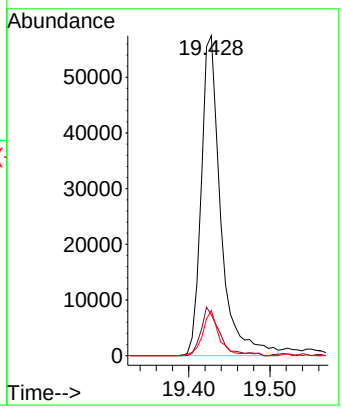




#77
Benzidine
Concen: 30.622 ng
RT: 19.428 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:184 Resp: 9578

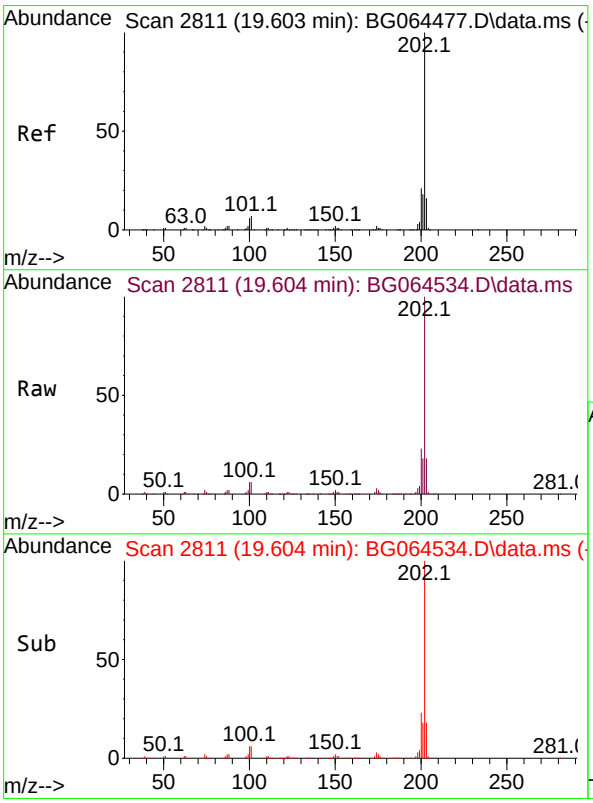
Ion	Ratio	Lower	Upper
184	100		
185	12.8	10.9	16.3
183	14.1	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

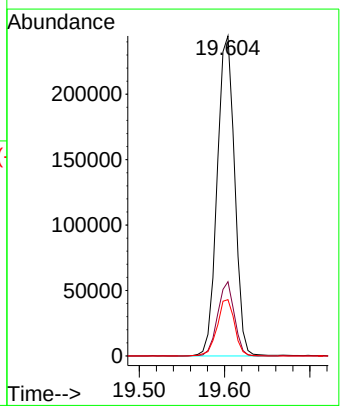
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

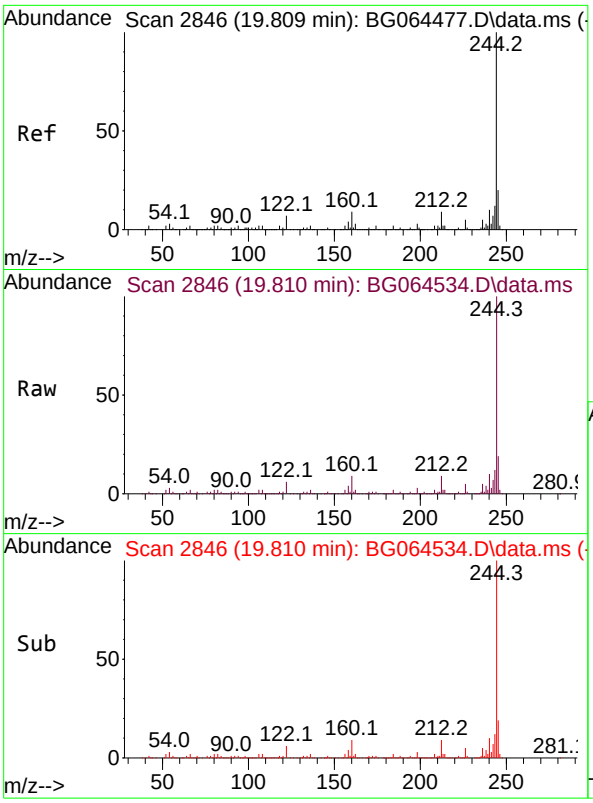


#78
Pyrene
Concen: 42.572 ng
RT: 19.604 min Scan# 2811
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:202 Resp: 347286

Ion	Ratio	Lower	Upper
202	100		
200	23.2	17.0	25.4
203	17.6	13.0	19.4

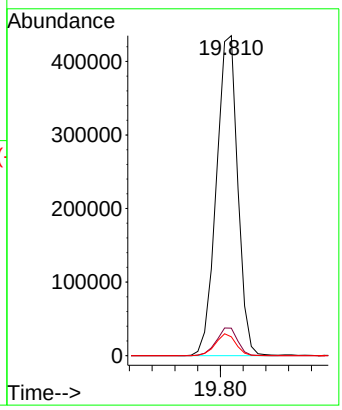




#79
Terphenyl-d14
Concen: 85.176 ng
RT: 19.810 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:244 Resp: 565751

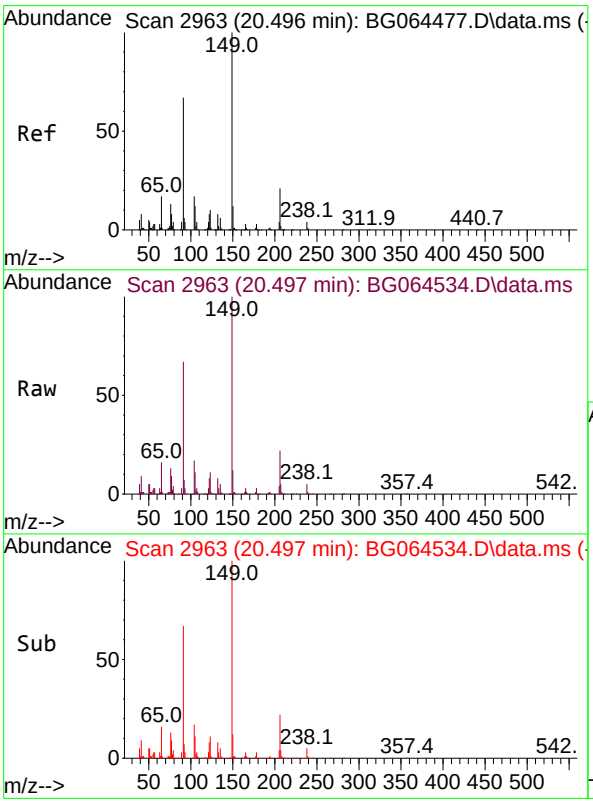
Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.0	10.6
122	5.9	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

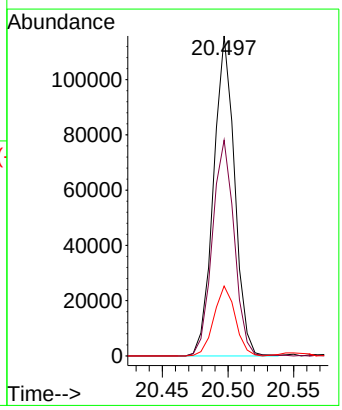
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

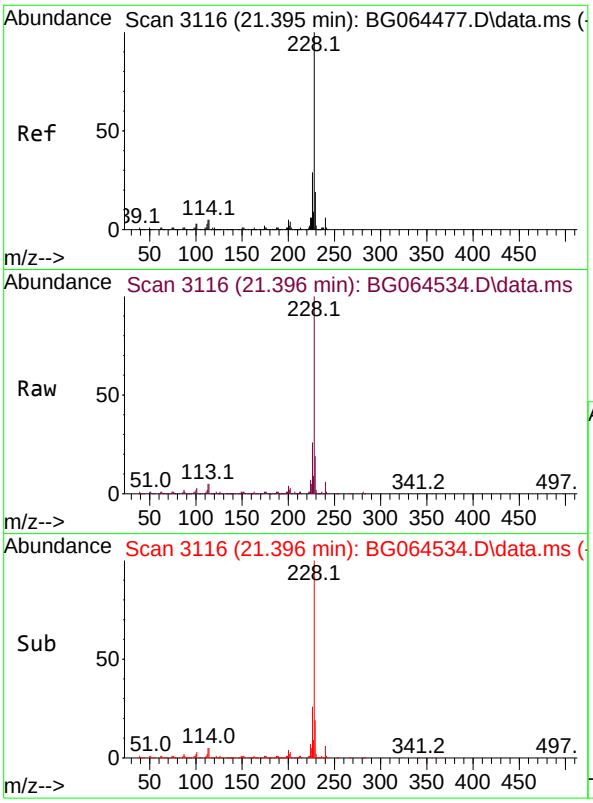


#80
Butylbenzylphthalate
Concen: 44.661 ng
RT: 20.497 min Scan# 2963
Delta R.T. -0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:149 Resp: 129152

Ion	Ratio	Lower	Upper
149	100		
91	67.4	53.7	80.5
206	21.8	16.6	24.8

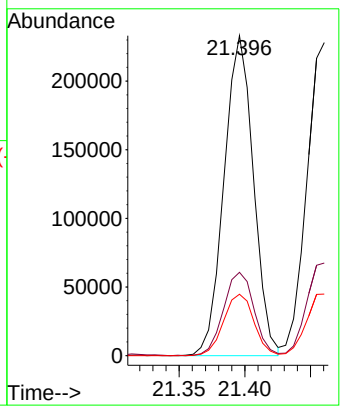




#81
Benzo(a)anthracene
Concen: 45.221 ng
RT: 21.396 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:228 Resp: 36294

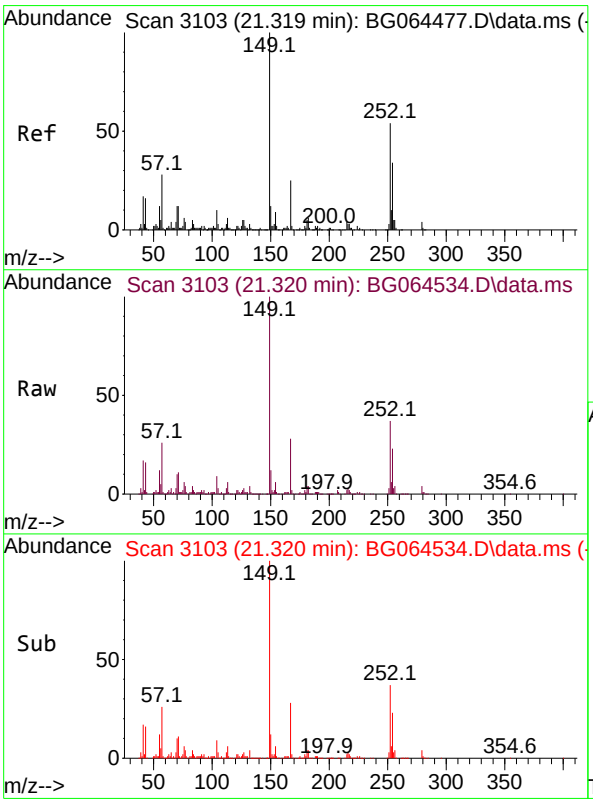
Ion	Ratio	Lower	Upper
228	100		
226	26.0	22.8	34.2
229	19.2	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

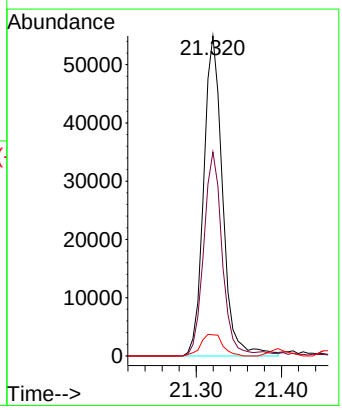
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

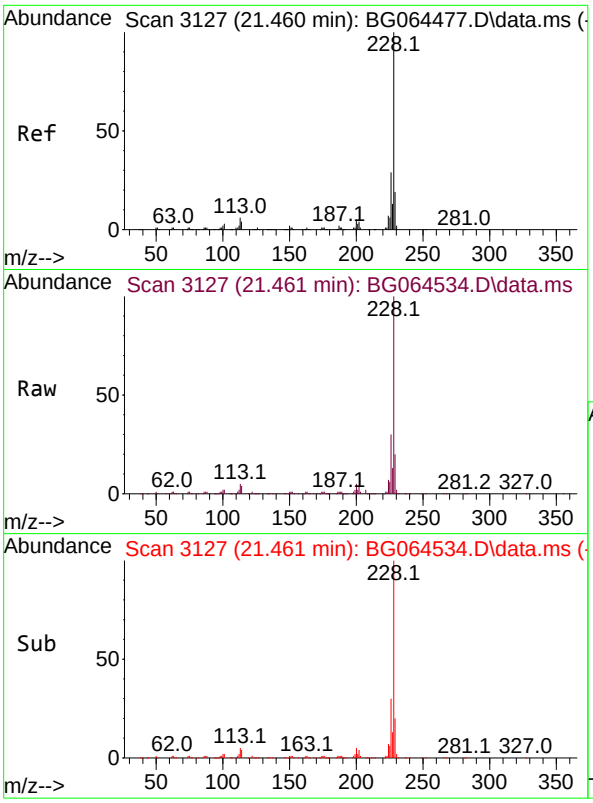


#82
3,3'-Dichlorobenzidine
Concen: 31.093 ng
RT: 21.320 min Scan# 3103
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:252 Resp: 84466

Ion	Ratio	Lower	Upper
252	100		
254	63.7	50.5	75.7
126	6.6	7.1	10.7#

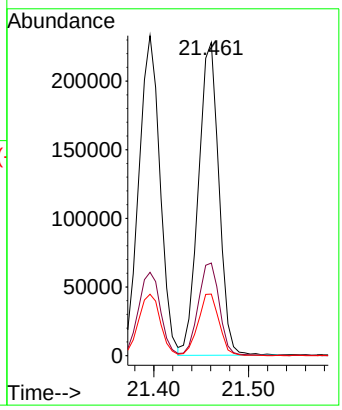




#83
Chrysene
Concen: 44.965 ng
RT: 21.461 min Scan# 3
Delta R.T. 0.009 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:228 Resp: 34226

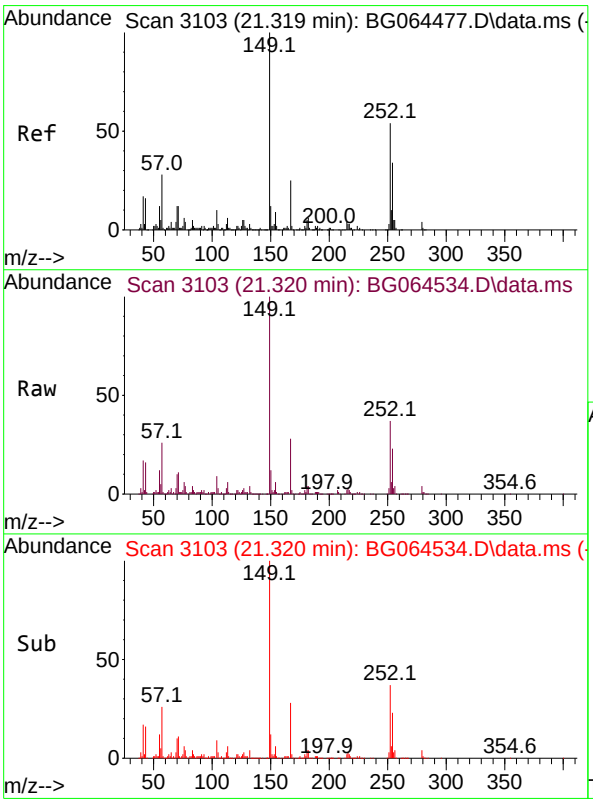
Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.8	34.2
229	19.6	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

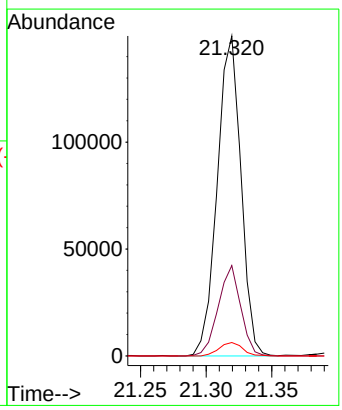
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

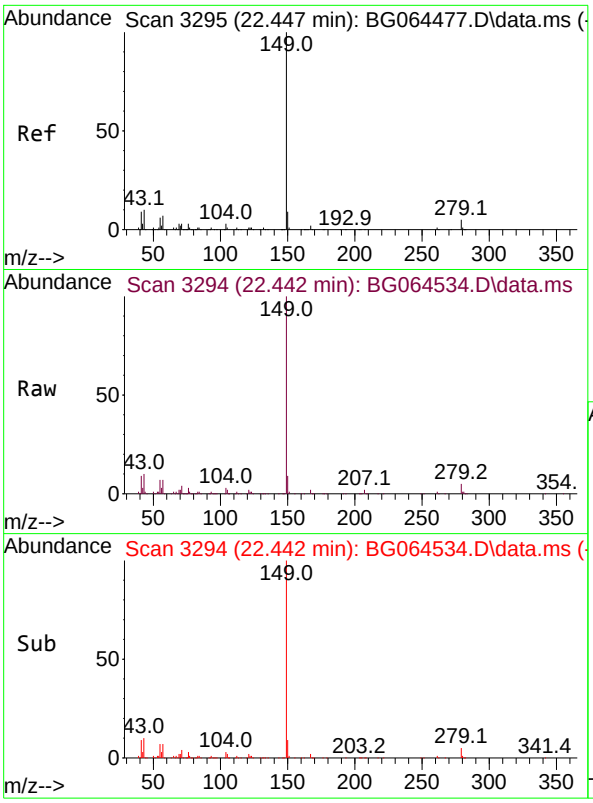


#84
Bis(2-ethylhexyl)phthalate
Concen: 46.057 ng
RT: 21.320 min Scan# 3103
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:149 Resp: 187922

Ion	Ratio	Lower	Upper
149	100		
167	28.2	19.7	29.5
279	4.2	3.4	5.2

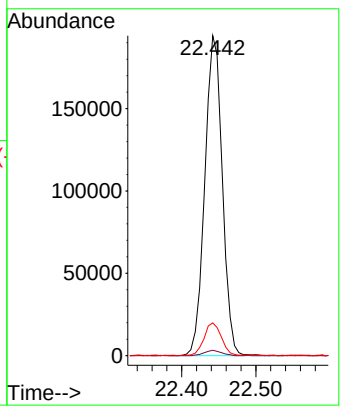




#85
Di-n-octyl phthalate
Concen: 46.441 ng
RT: 22.442 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:149 Resp: 31846

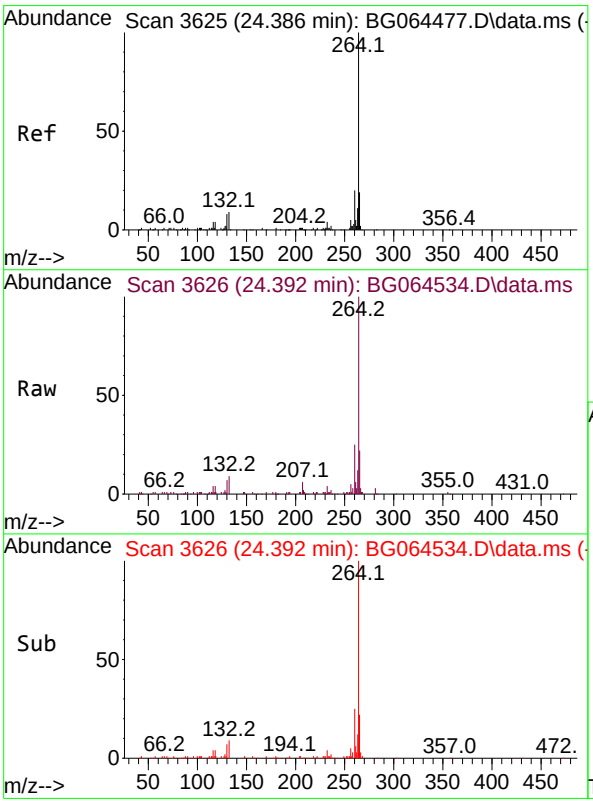
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	10.2	7.9	11.9



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

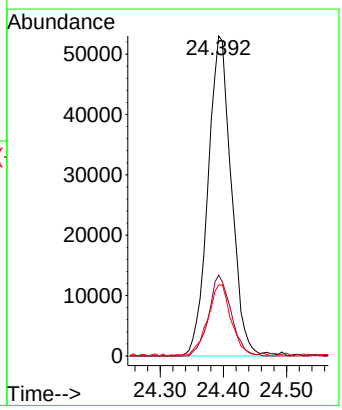
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

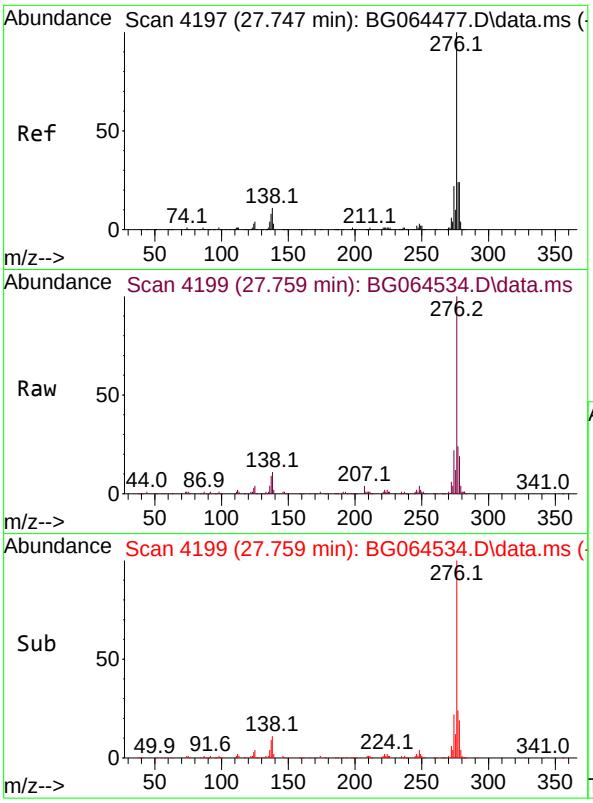


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.392 min Scan# 3626
Delta R.T. 0.003 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:264 Resp: 135853

Ion	Ratio	Lower	Upper
264	100		
260	25.2	16.2	24.4#
265	22.2	15.0	22.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 47.081 ng
RT: 27.759 min Scan# 41
Delta R.T. 0.027 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

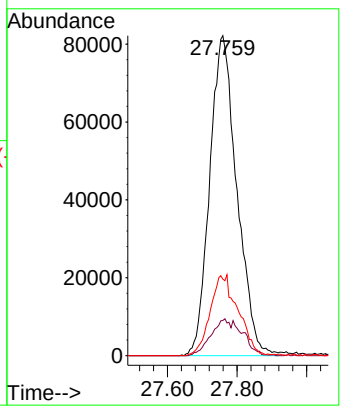
Tgt Ion:276 Resp: 44520

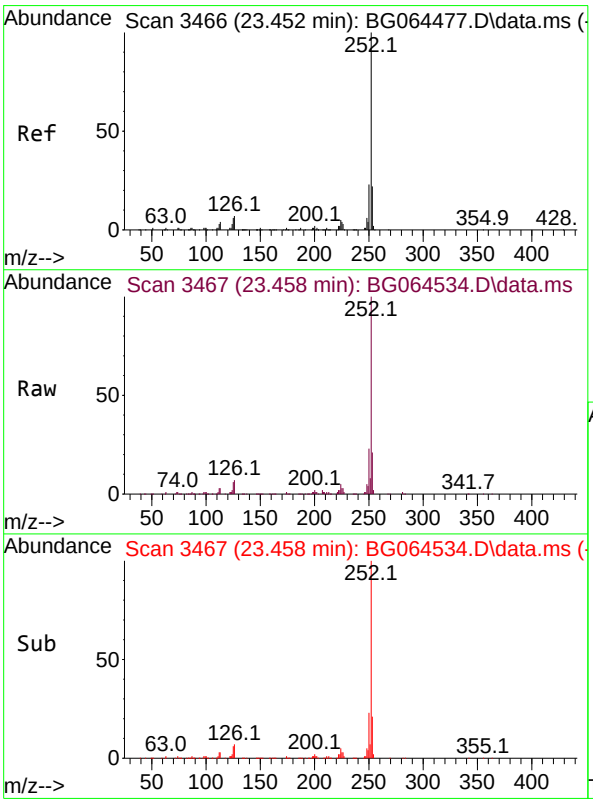
Ion	Ratio	Lower	Upper
276	100		
138	8.1	10.8	16.2
277	25.9	20.3	30.5

Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

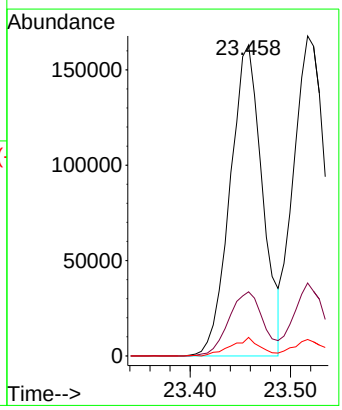


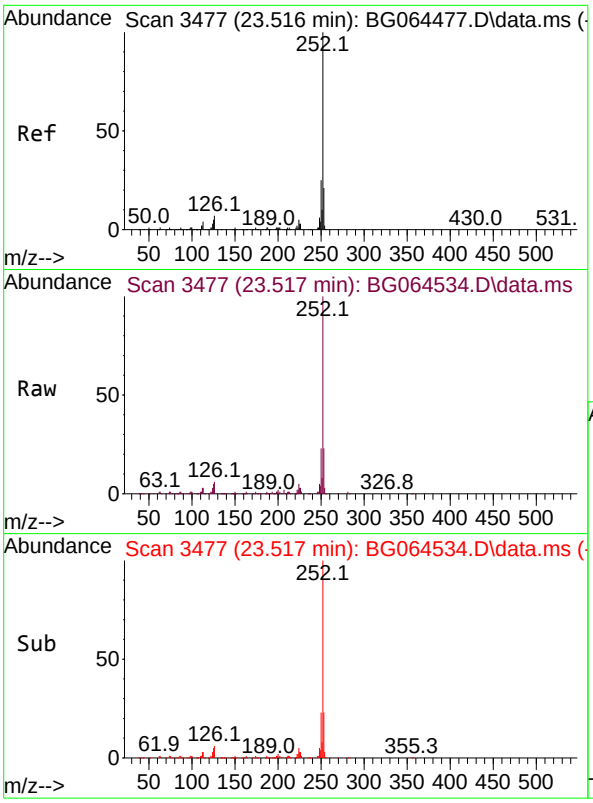


#88
Benzo(b)fluoranthene
Concen: 47.209 ng
RT: 23.458 min Scan# 3467
Delta R.T. 0.009 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:252 Resp: 364867

Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.5	26.3
125	6.0	4.5	6.7

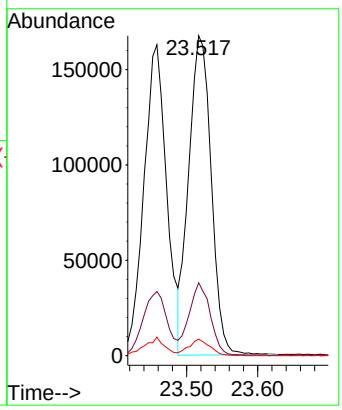




#89
Benzo(k)fluoranthene
Concen: 47.224 ng
RT: 23.517 min Scan# 34
Delta R.T. 0.009 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:252 Resp: 36759

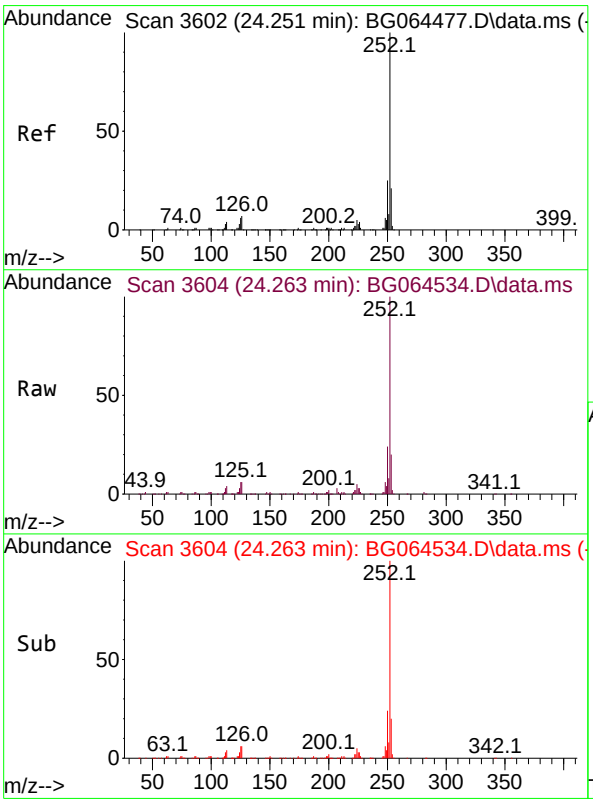
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	5.1	4.0	6.0



Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

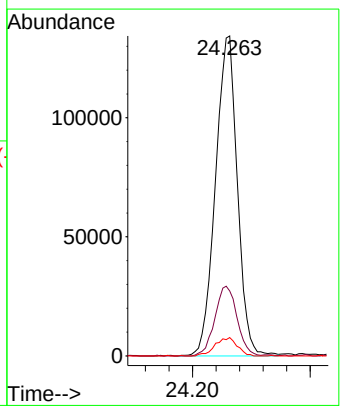
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

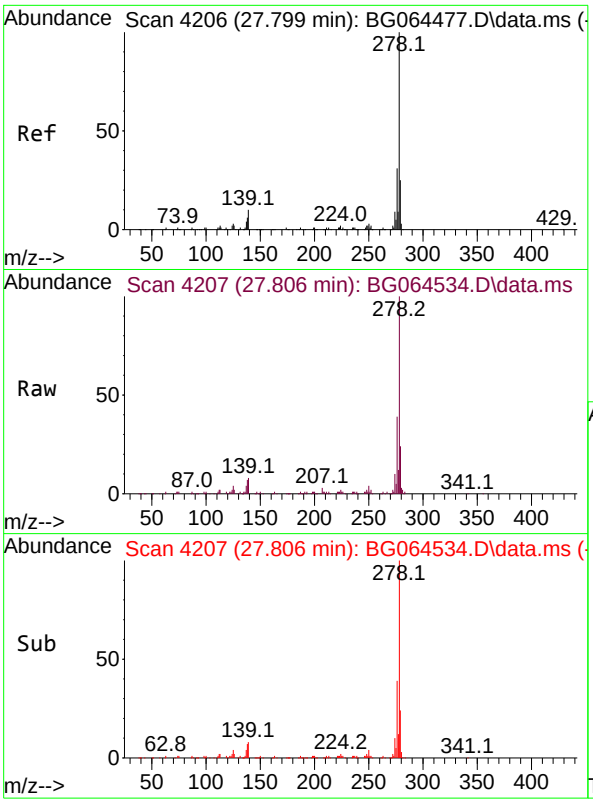


#90
Benzo(a)pyrene
Concen: 48.777 ng
RT: 24.263 min Scan# 3604
Delta R.T. 0.015 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:252 Resp: 347442

Ion	Ratio	Lower	Upper
252	100		
253	20.3	17.1	25.7
125	5.8	4.6	6.8





#91
Dibenzo(a,h)anthracene
Concen: 47.813 ng
RT: 27.806 min Scan# 4
Delta R.T. 0.027 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

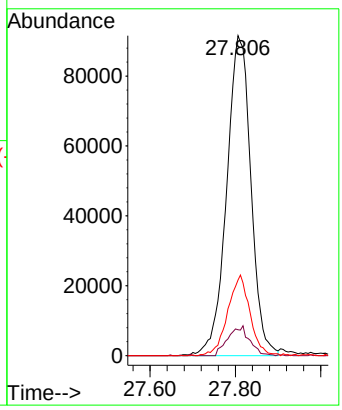
Tgt Ion:278 Resp: 36157

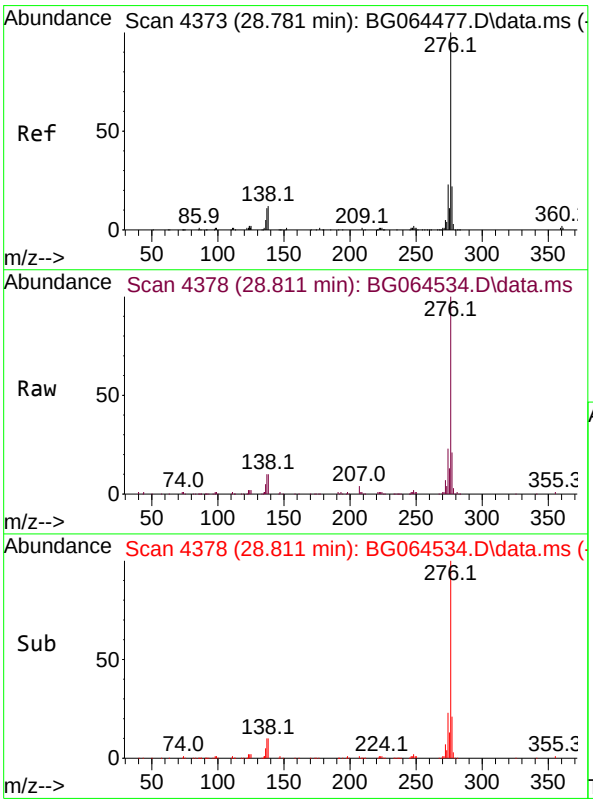
Ion	Ratio	Lower	Upper
278	100		
139	8.1	8.2	12.2
279	23.6	19.6	29.4

Instrument :
BNA_G
ClientSampleId :
PB170144BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

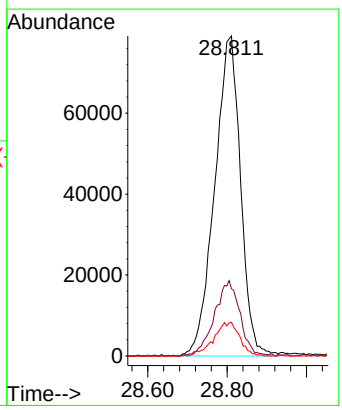




#92
Benzo(g,h,i)perylene
Concen: 48.704 ng
RT: 28.811 min Scan# 4378
Delta R.T. 0.044 min
Lab File: BG064534.D
Acq: 17 Oct 2025 13:43

Tgt Ion:276 Resp: 357922

Ion	Ratio	Lower	Upper
276	100		
277	21.0	17.8	26.6
138	10.5	9.4	14.0



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015MS	SDG No.:	Q3363
Lab Sample ID:	Q3363-05MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1200		1	280	600	ug/Kg	10/17/25 17:10	PB170144
108-95-2	Phenol	2800		1	39.9	310	ug/Kg	10/17/25 17:10	PB170144
111-44-4	bis(2-Chloroethyl)ether	2600		1	43.8	310	ug/Kg	10/17/25 17:10	PB170144
95-57-8	2-Chlorophenol	2800		1	44.0	310	ug/Kg	10/17/25 17:10	PB170144
95-48-7	2-Methylphenol	2800		1	53.9	310	ug/Kg	10/17/25 17:10	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	2400		1	67.6	310	ug/Kg	10/17/25 17:10	PB170144
98-86-2	Acetophenone	3100		1	53.2	310	ug/Kg	10/17/25 17:10	PB170144
65794-96-9	3+4-Methylphenols	2600		1	74.1	600	ug/Kg	10/17/25 17:10	PB170144
621-64-7	n-Nitroso-di-n-propylamine	2500		1	85.5	140	ug/Kg	10/17/25 17:10	PB170144
67-72-1	Hexachloroethane	2700		1	31.7	310	ug/Kg	10/17/25 17:10	PB170144
98-95-3	Nitrobenzene	2700		1	33.0	310	ug/Kg	10/17/25 17:10	PB170144
78-59-1	Isophorone	2600		1	59.2	310	ug/Kg	10/17/25 17:10	PB170144
88-75-5	2-Nitrophenol	2800		1	100	310	ug/Kg	10/17/25 17:10	PB170144
105-67-9	2,4-Dimethylphenol	3000		1	120	310	ug/Kg	10/17/25 17:10	PB170144
111-91-1	bis(2-Chloroethoxy)methane	2700		1	55.6	310	ug/Kg	10/17/25 17:10	PB170144
120-83-2	2,4-Dichlorophenol	2900		1	51.0	310	ug/Kg	10/17/25 17:10	PB170144
91-20-3	Naphthalene	2900		1	40.9	310	ug/Kg	10/17/25 17:10	PB170144
106-47-8	4-Chloroaniline	1200		1	63.9	310	ug/Kg	10/17/25 17:10	PB170144
87-68-3	Hexachlorobutadiene	3000		1	45.6	310	ug/Kg	10/17/25 17:10	PB170144
105-60-2	Caprolactam	2400		1	94.0	600	ug/Kg	10/17/25 17:10	PB170144
59-50-7	4-Chloro-3-methylphenol	2800		1	51.8	310	ug/Kg	10/17/25 17:10	PB170144
91-57-6	2-Methylnaphthalene	2500		1	46.2	310	ug/Kg	10/17/25 17:10	PB170144
77-47-4	Hexachlorocyclopentadiene	7700	E	1	210	600	ug/Kg	10/17/25 17:10	PB170144
88-06-2	2,4,6-Trichlorophenol	2900		1	35.7	310	ug/Kg	10/17/25 17:10	PB170144
95-95-4	2,4,5-Trichlorophenol	2900		1	52.5	310	ug/Kg	10/17/25 17:10	PB170144
92-52-4	1,1-Biphenyl	3100		1	39.3	310	ug/Kg	10/17/25 17:10	PB170144
91-58-7	2-Chloronaphthalene	2800		1	40.6	310	ug/Kg	10/17/25 17:10	PB170144
88-74-4	2-Nitroaniline	2700		1	86.8	310	ug/Kg	10/17/25 17:10	PB170144
131-11-3	Dimethylphthalate	2600		1	48.9	310	ug/Kg	10/17/25 17:10	PB170144
208-96-8	Acenaphthylene	3200		1	52.1	310	ug/Kg	10/17/25 17:10	PB170144
606-20-2	2,6-Dinitrotoluene	2800		1	60.6	310	ug/Kg	10/17/25 17:10	PB170144
99-09-2	3-Nitroaniline	1900		1	83.0	310	ug/Kg	10/17/25 17:10	PB170144
83-32-9	Acenaphthene	2700		1	38.4	310	ug/Kg	10/17/25 17:10	PB170144
51-28-5	2,4-Dinitrophenol	4900	E	1	410	600	ug/Kg	10/17/25 17:10	PB170144
100-02-7	4-Nitrophenol	5700	E	1	190	600	ug/Kg	10/17/25 17:10	PB170144
132-64-9	Dibenzofuran	2700		1	40.9	310	ug/Kg	10/17/25 17:10	PB170144
121-14-2	2,4-Dinitrotoluene	2800		1	90.4	310	ug/Kg	10/17/25 17:10	PB170144
84-66-2	Diethylphthalate	2600		1	51.0	310	ug/Kg	10/17/25 17:10	PB170144
7005-72-3	4-Chlorophenyl-phenylether	2700		1	48.2	310	ug/Kg	10/17/25 17:10	PB170144
86-73-7	Fluorene	2800		1	45.6	310	ug/Kg	10/17/25 17:10	PB170144
100-01-6	4-Nitroaniline	2800		1	120	310	ug/Kg	10/17/25 17:10	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	2900		1	190	600	ug/Kg	10/17/25 17:10	PB170144

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015MS	SDG No.:	Q3363
Lab Sample ID:	Q3363-05MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	2900		1	59.3	310	ug/Kg	10/17/25 17:10	PB170144
101-55-3	4-Bromophenyl-phenylether	2900		1	50.1	310	ug/Kg	10/17/25 17:10	PB170144
118-74-1	Hexachlorobenzene	2900		1	45.6	310	ug/Kg	10/17/25 17:10	PB170144
1912-24-9	Atrazine	3000		1	61.3	310	ug/Kg	10/17/25 17:10	PB170144
87-86-5	Pentachlorophenol	6300	E	1	92.5	600	ug/Kg	10/17/25 17:10	PB170144
85-01-8	Phenanthrene	2900		1	37.7	310	ug/Kg	10/17/25 17:10	PB170144
120-12-7	Anthracene	2900		1	60.1	310	ug/Kg	10/17/25 17:10	PB170144
86-74-8	Carbazole	3000		1	56.3	310	ug/Kg	10/17/25 17:10	PB170144
84-74-2	Di-n-butylphthalate	2900		1	86.4	310	ug/Kg	10/17/25 17:10	PB170144
206-44-0	Fluoranthene	3100		1	54.1	310	ug/Kg	10/17/25 17:10	PB170144
129-00-0	Pyrene	2700		1	64.9	310	ug/Kg	10/17/25 17:10	PB170144
85-68-7	Butylbenzylphthalate	2800		1	130	310	ug/Kg	10/17/25 17:10	PB170144
91-94-1	3,3-Dichlorobenzidine	1400		1	66.2	600	ug/Kg	10/17/25 17:10	PB170144
56-55-3	Benzo(a)anthracene	2900		1	41.5	310	ug/Kg	10/17/25 17:10	PB170144
218-01-9	Chrysene	2900		1	35.9	310	ug/Kg	10/17/25 17:10	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	2900		1	110	310	ug/Kg	10/17/25 17:10	PB170144
117-84-0	Di-n-octyl phthalate	2900		1	160	600	ug/Kg	10/17/25 17:10	PB170144
205-99-2	Benzo(b)fluoranthene	3000		1	34.3	310	ug/Kg	10/17/25 17:10	PB170144
207-08-9	Benzo(k)fluoranthene	2800		1	40.4	310	ug/Kg	10/17/25 17:10	PB170144
50-32-8	Benzo(a)pyrene	3100		1	53.2	310	ug/Kg	10/17/25 17:10	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	3000		1	52.5	310	ug/Kg	10/17/25 17:10	PB170144
53-70-3	Dibenzo(a,h)anthracene	2900		1	49.4	310	ug/Kg	10/17/25 17:10	PB170144
191-24-2	Benzo(g,h,i)perylene	3100		1	46.4	310	ug/Kg	10/17/25 17:10	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	3200		1	46.2	310	ug/Kg	10/17/25 17:10	PB170144
123-91-1	1,4-Dioxane	2100		1	81.5	310	ug/Kg	10/17/25 17:10	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	2900		1	49.4	310	ug/Kg	10/17/25 17:10	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	80.7			18 - 112	54%	SPK: 150		
13127-88-3	Phenol-d6	76.7			15 - 107	51%	SPK: 150		
4165-60-0	Nitrobenzene-d5	50.5			18 - 107	50%	SPK: 100		
321-60-8	2-Fluorobiphenyl	42.2			20 - 109	42%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	80.7			10 - 116	54%	SPK: 150		
1718-51-0	Terphenyl-d14	42.8			10 - 105	43%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	15000							
1146-65-2	Naphthalene-d8	59800							
15067-26-2	Acenaphthene-d10	44300							
1517-22-2	Phenanthrene-d10	105000							
1719-03-5	Chrysene-d12	120000							
1520-96-3	Perylene-d12	135000							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015MS	SDG No.:	Q3363
Lab Sample ID:	Q3363-05MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064539.D
Acq On : 17 Oct 2025 17:10
Operator : RC/JU
Sample : Q3363-05MS
Misc : 8270/625.1 SPIKE
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 17:46:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.816	152	14953	20.000	ng		0.00
21) Naphthalene-d8	10.601	136	59781	20.000	ng		0.00
39) Acenaphthene-d10	14.444	164	44289	20.000	ng		0.00
64) Phenanthrene-d10	17.188	188	105365	20.000	ng		0.00
76) Chrysene-d12	21.412	240	119699	20.000	ng		0.00
86) Perylene-d12	24.397	264	135091	20.000	ng	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.413	112	65217	80.717	ng		0.00
7) Phenol-d6	7.000	99	83245	76.668	ng		0.01
23) Nitrobenzene-d5	8.974	82	56131	50.487	ng		0.00
42) 2,4,6-Tribromophenol	15.936	330	64752	80.658	ng		0.00
45) 2-Fluorobiphenyl	13.069	172	126920	42.241	ng		0.00
79) Terphenyl-d14	19.808	244	270707	42.800	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.316	88	11152	34.895	ng	#	87
3) Pyridine	3.704	79	27968	32.562	ng		98
4) n-Nitrosodimethylamine	3.621	42	28433	45.664	ng		97
6) Aniline	7.141	93	37348	27.269	ng		96
8) 2-Chlorophenol	7.388	128	46281	46.647	ng		97
9) Benzaldehyde	6.959	77	19613	20.349	ng		95
10) Phenol	7.023	94	52730	46.036	ng		95
11) bis(2-Chloroethyl)ether	7.241	93	33980	43.806	ng		93
12) 1,3-Dichlorobenzene	7.705	146	49650	45.746	ng		98
13) 1,4-Dichlorobenzene	7.852	146	51306	47.101	ng		98
14) 1,2-Dichlorobenzene	8.169	146	49913	46.493	ng		98
15) Benzyl Alcohol	8.057	79	44848	44.851	ng		91
16) 2,2'-oxybis(1-Chloropr...	8.339	45	50564	40.440	ng		98
17) 2-Methylphenol	8.269	107	38549	46.478	ng	#	86
18) Hexachloroethane	8.892	117	19258	44.791	ng	#	84
19) n-Nitroso-di-n-propyla...	8.621	70	30734	42.324	ng		94
20) 3+4-Methylphenols	8.592	107	50781	43.875	ng		98
22) Acetophenone	8.633	105	74626	51.557	ng		97
24) Nitrobenzene	9.015	77	49729	44.854	ng		98
25) Isophorone	9.538	82	86042	42.720	ng		95
26) 2-Nitrophenol	9.726	139	25805	46.765	ng		96
27) 2,4-Dimethylphenol	9.791	122	42438	50.354	ng		93
28) bis(2-Chloroethoxy)met...	10.020	93	46890	45.672	ng		94
29) 2,4-Dichlorophenol	10.261	162	46840	48.061	ng		97
30) 1,2,4-Trichlorobenzene	10.466	180	54864	51.629	ng		97
31) Naphthalene	10.654	128	146735	47.666	ng		99
32) Benzoic acid	9.961	122	34778	53.747	ng		92
33) 4-Chloroaniline	10.766	127	24076	20.381	ng		93
34) Hexachlorobutadiene	10.942	225	45535	50.035	ng		92
35) Caprolactam	11.547	113	13572m	40.678	ng		
36) 4-Chloro-3-methylphenol	11.900	107	54257	45.779	ng		97
37) 2-Methylnaphthalene	12.264	142	99440	42.081	ng		97
38) 1-Methylnaphthalene	12.488	142	102753	43.608	ng		99
40) 1,2,4,5-Tetrachloroben...	12.640	216	77018	53.858	ng		97
41) Hexachlorocyclopentadiene	12.617	237	95338	127.452	ng		93
43) 2,4,6-Trichlorophenol	12.875	196	44620m	48.810	ng		

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064539.D
Acq On : 17 Oct 2025 17:10
Operator : RC/JU
Sample : Q3363-05MS
Misc : 8270/625.1 SPIKE
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

Quant Time: Oct 17 17:46:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.958	196	48888	47.902	ng		97
46) 1,1'-Biphenyl	13.281	154	162959	51.158	ng		99
47) 2-Chloronaphthalene	13.322	162	108809	45.751	ng		98
48) 2-Nitroaniline	13.527	65	36904	45.464	ng		87
49) Acenaphthylene	14.168	152	187789	53.191	ng		99
50) Dimethylphthalate	13.909	163	150526	43.395	ng	#	99
51) 2,6-Dinitrotoluene	14.027	165	33313	46.103	ng	#	84
52) Acenaphthene	14.509	154	110340	44.985	ng		99
53) 3-Nitroaniline	14.356	138	20766	31.162	ng		91
54) 2,4-Dinitrophenol	14.562	184	42410	80.943	ng		87
55) Dibenzofuran	14.844	168	183981	45.428	ng		98
56) 4-Nitrophenol	14.679	139	49605	94.546	ng	#	81
57) 2,4-Dinitrotoluene	14.814	165	51642	46.752	ng		94
58) Fluorene	15.496	166	158117	46.962	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.079	232	50198	48.195	ng		97
60) Diethylphthalate	15.272	149	161869	43.500	ng		100
61) 4-Chlorophenyl-phenyle...	15.490	204	83871	45.628	ng		98
62) 4-Nitroaniline	15.519	138	32873	47.329	ng		87
63) Azobenzene	15.784	77	141129	48.972	ng		97
65) 4,6-Dinitro-2-methylph...	15.578	198	34919	47.598	ng		92
66) n-Nitrosodiphenylamine	15.707	169	135307	48.089	ng		96
67) 4-Bromophenyl-phenylether	16.383	248	60052	48.433	ng		86
68) Hexachlorobenzene	16.500	284	69134	48.727	ng		96
69) Atrazine	16.659	200	62438	49.878	ng		97
70) Pentachlorophenol	16.847	266	87212	105.130	ng		99
71) Phenanthrene	17.229	178	262816	47.697	ng		99
72) Anthracene	17.323	178	266811	48.267	ng		99
73) Carbazole	17.593	167	238547	49.925	ng		97
74) Di-n-butylphthalate	18.157	149	281684	48.293	ng		99
75) Fluoranthene	19.244	202	334592	50.829	ng		99
77) Benzidine	19.426	184	112523	37.778	ng		98
78) Pyrene	19.603	202	352090	45.325	ng		98
80) Butylbenzylphthalate	20.496	149	129118	46.889	ng		99
81) Benzo(a)anthracene	21.395	228	372243	48.705	ng		96
82) 3,3'-Dichlorobenzidine	21.318	252	59938	23.171	ng	#	98
83) Chrysene	21.459	228	350025	48.291	ng		98
84) Bis(2-ethylhexyl)phtha...	21.318	149	187329	48.214	ng		95
85) Di-n-octyl phthalate	22.446	149	313562	48.019	ng		99
87) Indeno(1,2,3-cd)pyrene	27.764	276	461542	49.084	ng		97
88) Benzo(b)fluoranthene	23.463	252	383587	49.912	ng		99
89) Benzo(k)fluoranthene	23.528	252	366203	47.311	ng		99
90) Benzo(a)pyrene	24.262	252	368019	51.958	ng		99
91) Dibenzo(a,h)anthracene	27.817	278	368482	49.001	ng	#	98
92) Benzo(g,h,i)perylene	28.810	276	375662	51.406	ng		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

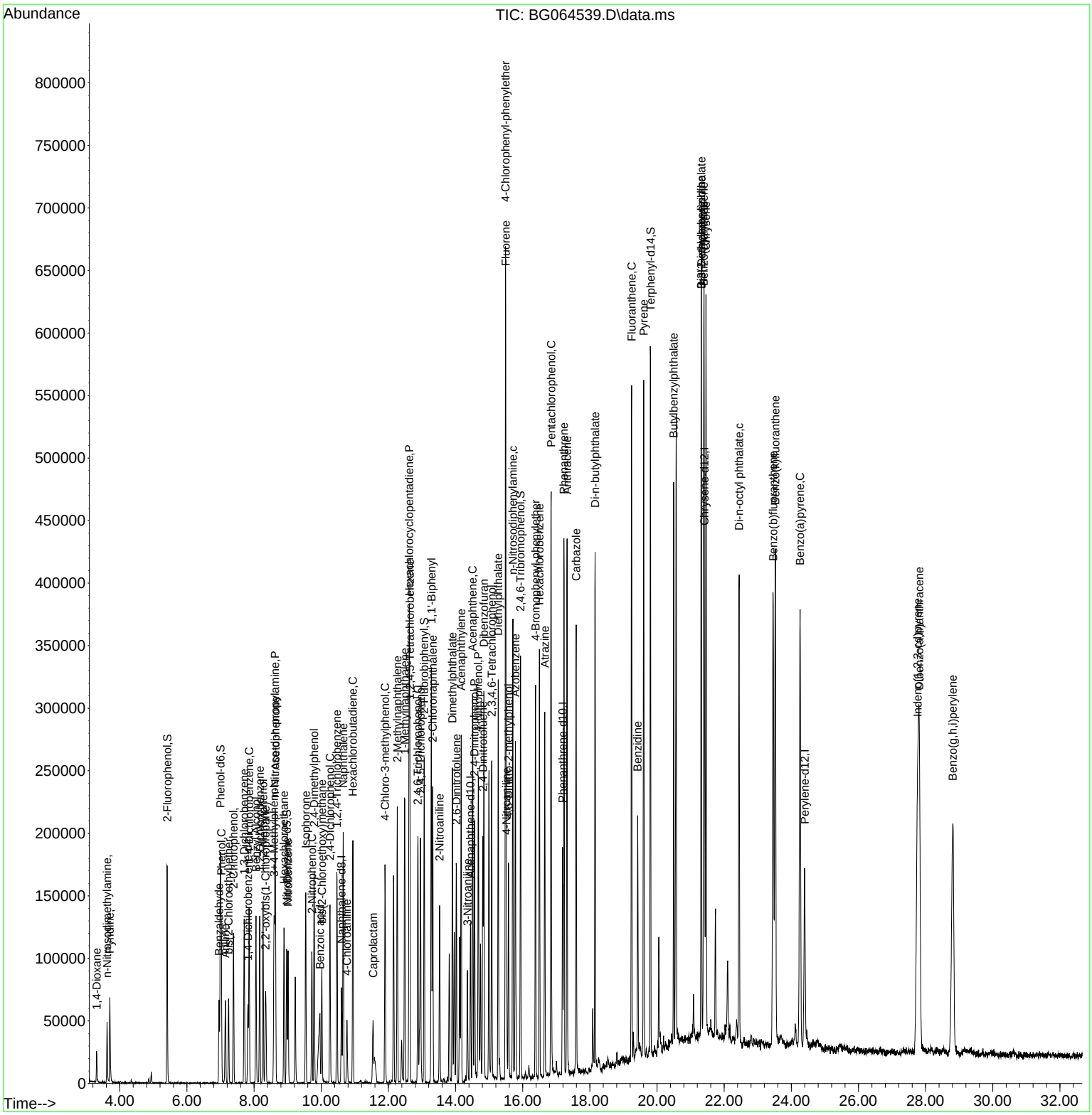
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064539.D
Acq On : 17 Oct 2025 17:10
Operator : RC/JU
Sample : Q3363-05MS
Misc : 8270/625.1 SPIKE
ALS Vial : 10 Sample Multiplier: 1

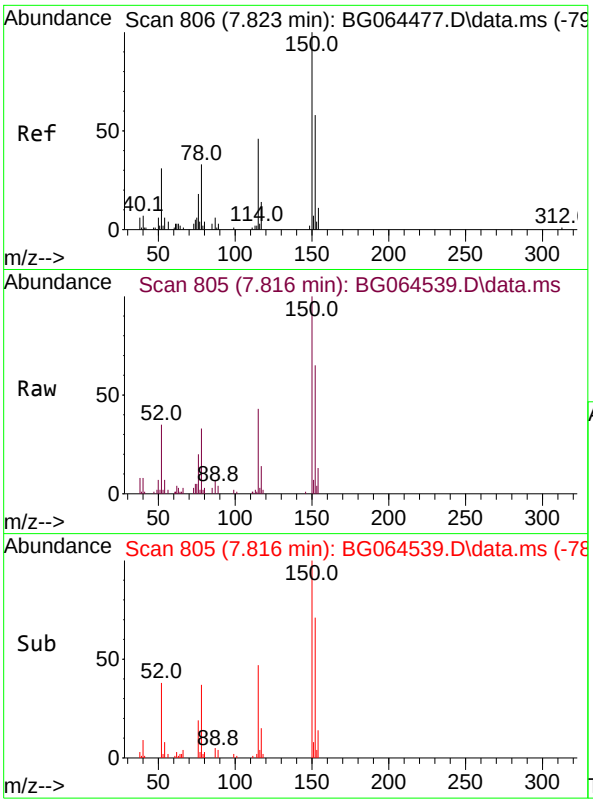
Quant Time: Oct 17 17:46:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

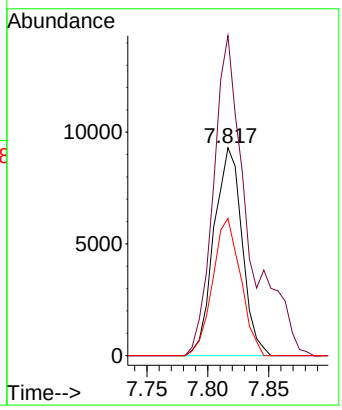




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.816 min Scan# 80
Delta R.T. -0.004 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

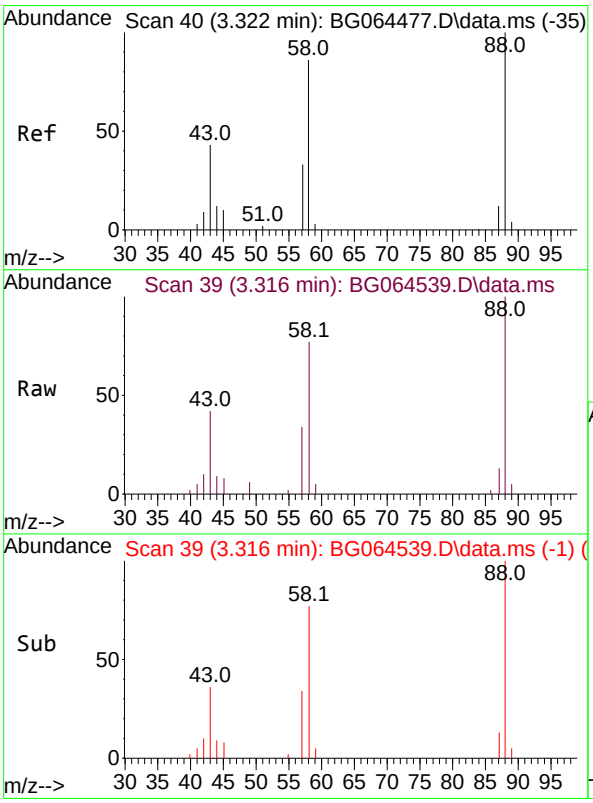
Tgt Ion:152 Resp: 1495

Ion	Ratio	Lower	Upper
152	100		
150	154.0	138.6	207.8
115	66.0	63.4	95.2



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

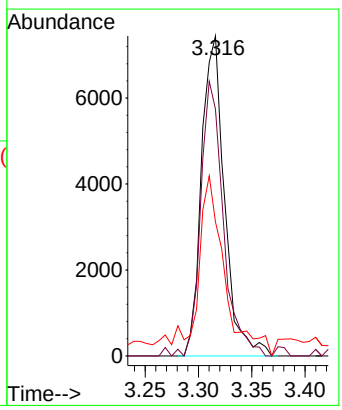
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

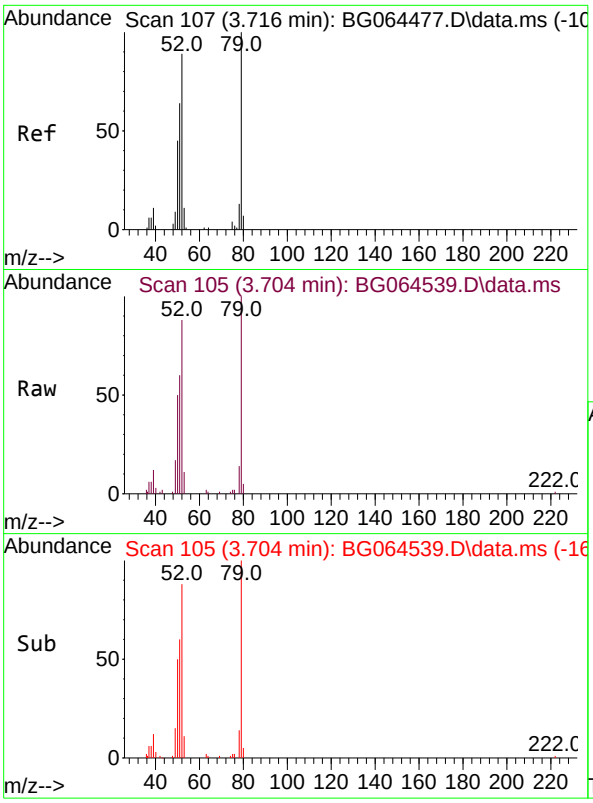


#2
1,4-Dioxane
Concen: 34.895 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.004 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion: 88 Resp: 11152

Ion	Ratio	Lower	Upper
88	100		
58	84.4	69.8	104.6
43	66.9	37.4	56.0#

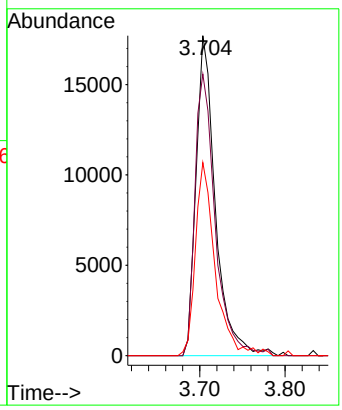




#3
Pyridine
Concen: 32.562 ng
RT: 3.704 min Scan# 10
Delta R.T. -0.010 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion: 79 Resp: 2796

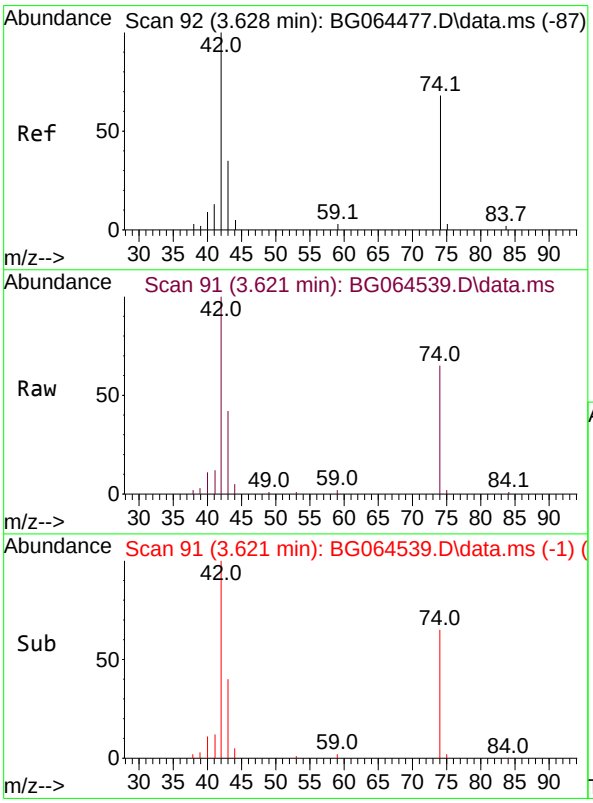
Ion	Ratio	Lower	Upper
79	100		
52	88.0	71.0	106.4
51	60.3	51.0	76.6



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

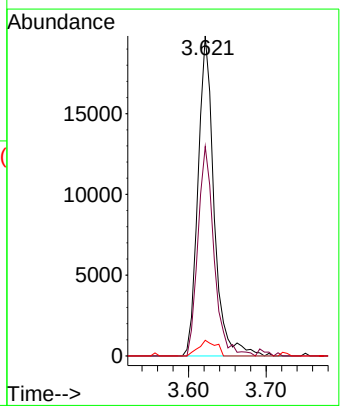
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

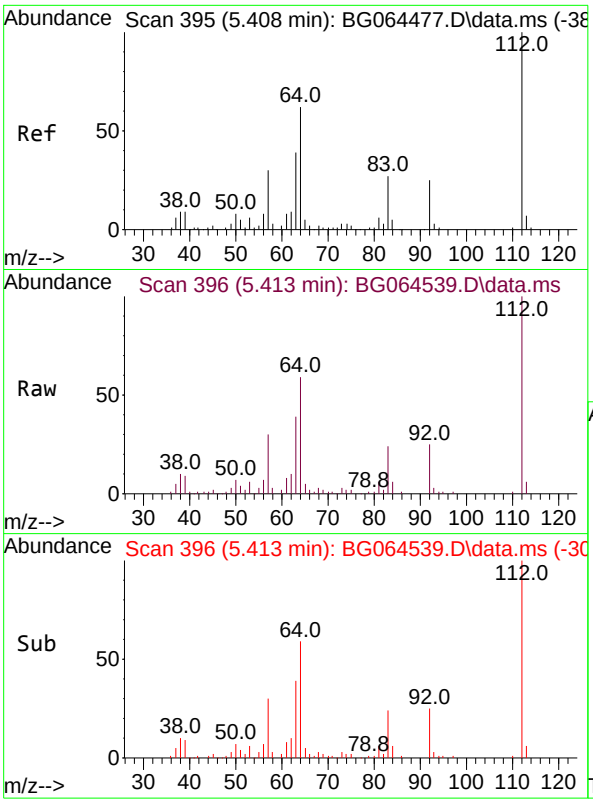


#4
n-Nitrosodimethylamine
Concen: 45.664 ng
RT: 3.621 min Scan# 91
Delta R.T. -0.004 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion: 42 Resp: 28433

Ion	Ratio	Lower	Upper
42	100		
74	65.4	54.2	81.4
44	4.9	4.2	6.2

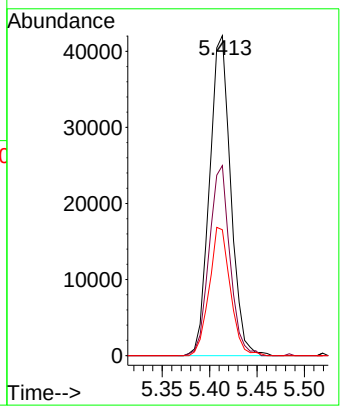




#5
2-Fluorophenol
Concen: 80.717 ng
RT: 5.413 min Scan# 3
Delta R.T. 0.008 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:112 Resp: 6521

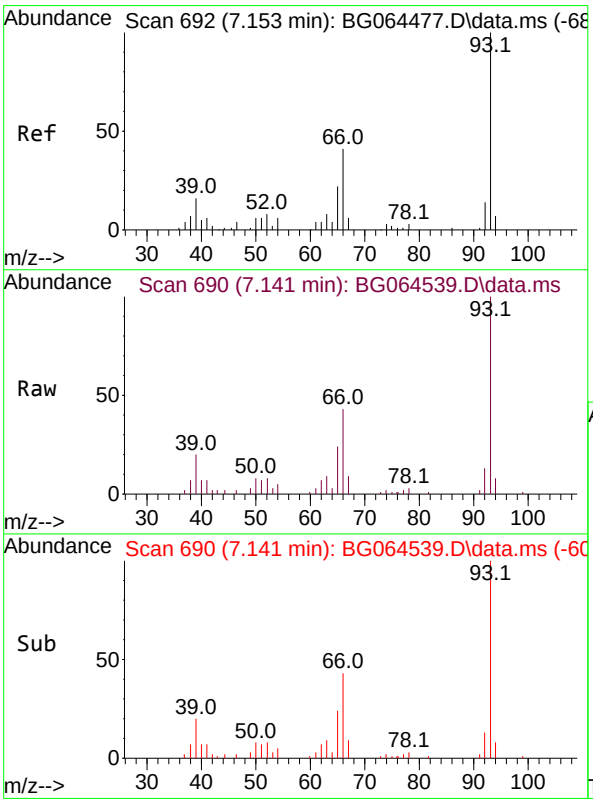
Ion	Ratio	Lower	Upper
112	100		
64	59.4	49.8	74.8
63	39.3	31.3	46.9



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

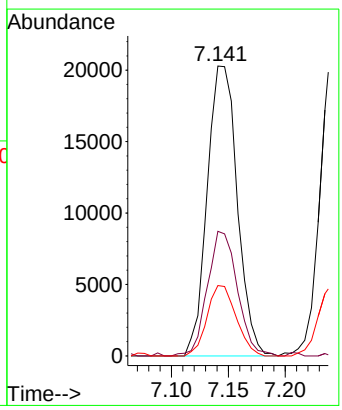
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

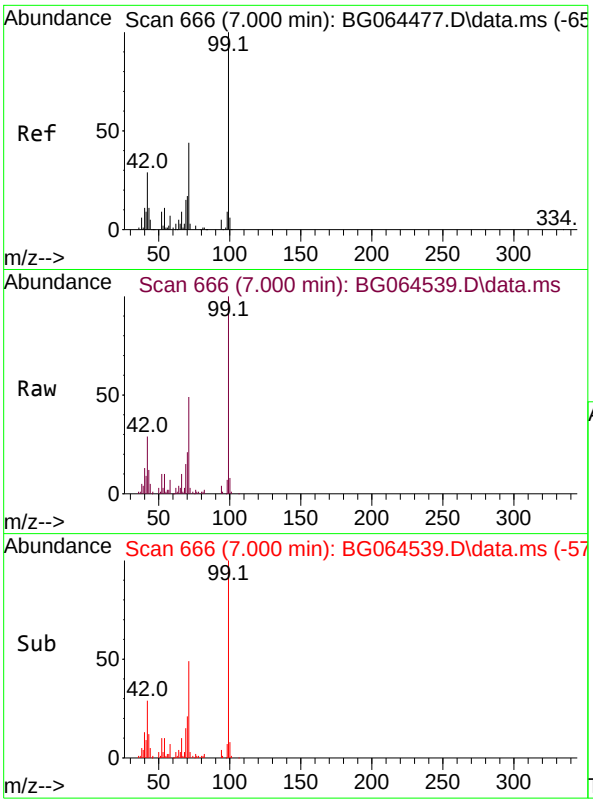


#6
Aniline
Concen: 27.269 ng
RT: 7.141 min Scan# 690
Delta R.T. -0.004 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion: 93 Resp: 37348

Ion	Ratio	Lower	Upper
93	100		
66	43.0	33.0	49.4
65	24.3	17.5	26.3

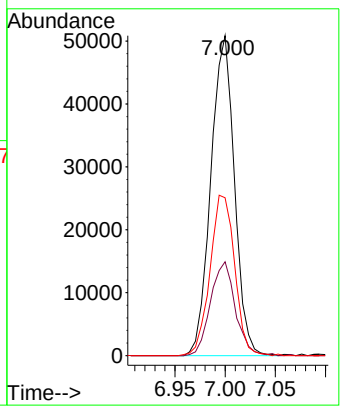




#7
Phenol-d6
Concen: 76.668 ng
RT: 7.000 min Scan# 6
Delta R.T. 0.014 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion: 99 Resp: 8324

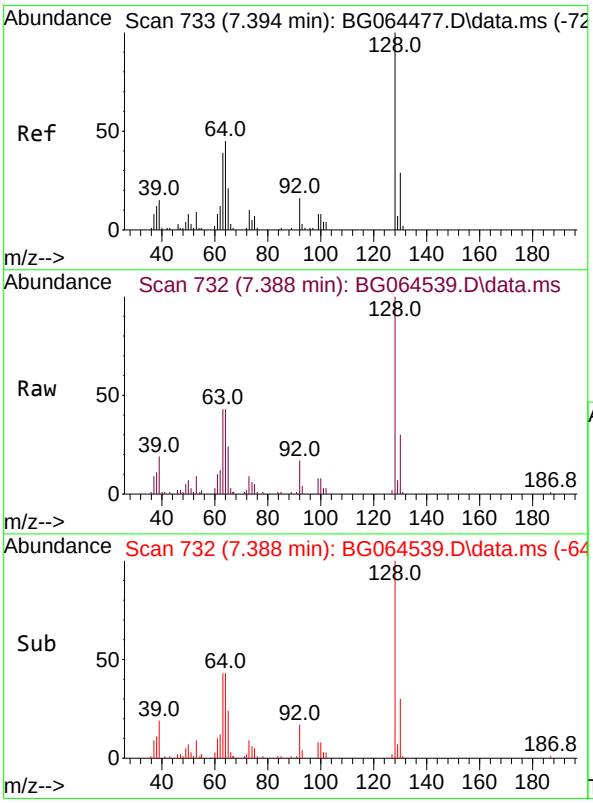
Ion	Ratio	Lower	Upper
99	100		
42	29.3	22.9	34.3
71	49.3	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations APPROVED

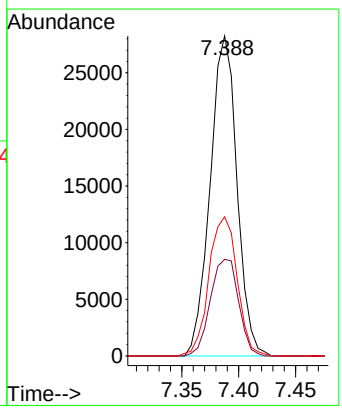
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

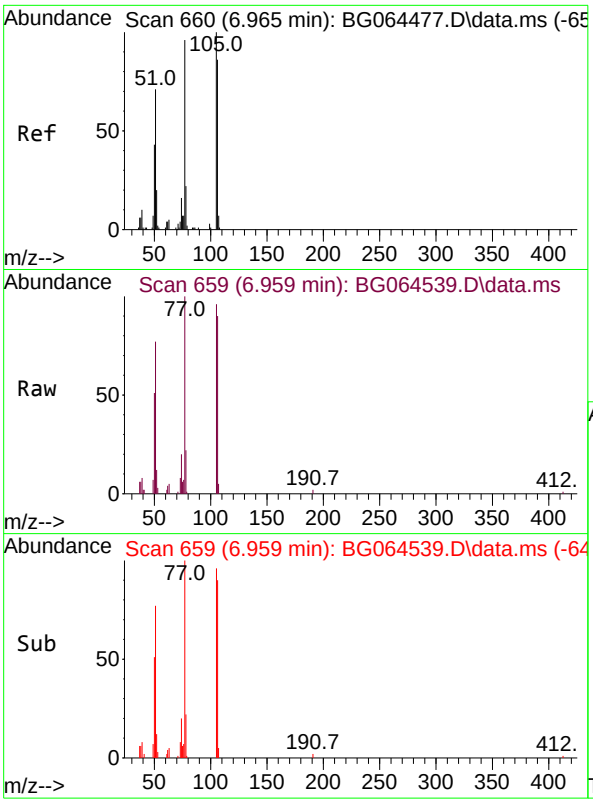


#8
2-Chlorophenol
Concen: 46.647 ng
RT: 7.388 min Scan# 732
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:128 Resp: 46281

Ion	Ratio	Lower	Upper
128	100		
130	30.2	9.2	49.2
64	43.5	25.5	65.5

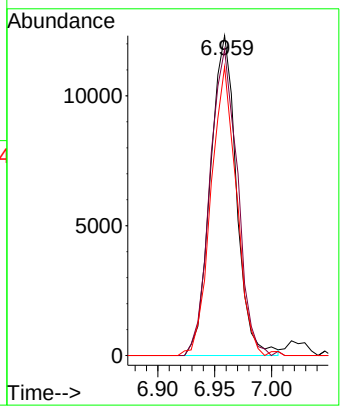




#9
Benzaldehyde
Concen: 20.349 ng
RT: 6.959 min Scan# 6
Delta R.T. -0.004 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion: 77 Resp: 1961

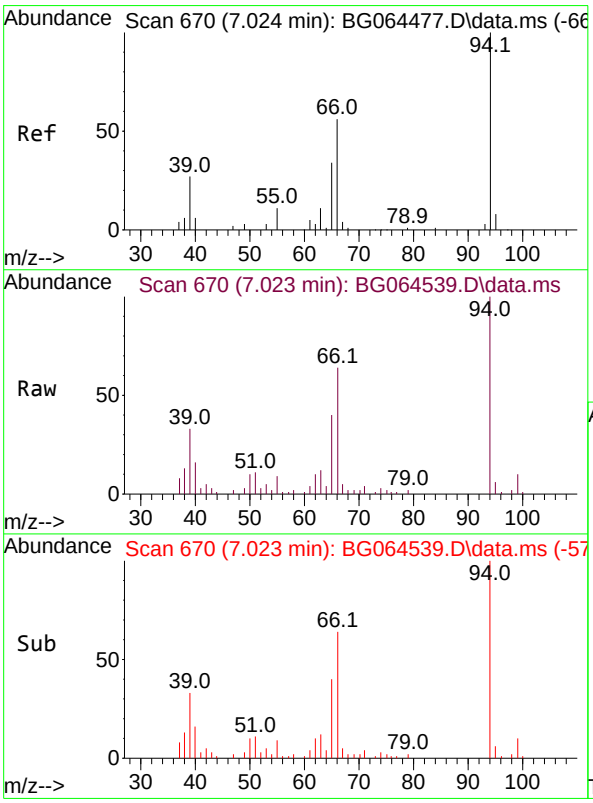
Ion	Ratio	Lower	Upper
77	100		
105	95.7	83.7	123.7
106	90.3	69.4	109.4



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

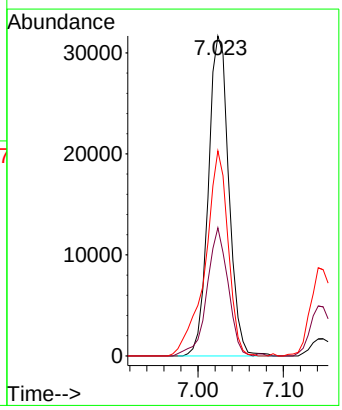
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

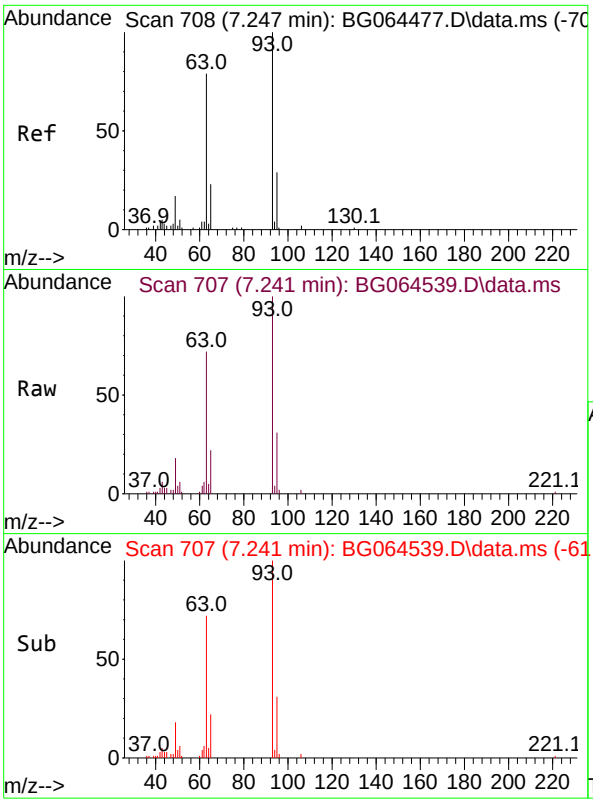


#10
Phenol
Concen: 46.036 ng
RT: 7.023 min Scan# 670
Delta R.T. 0.008 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion: 94 Resp: 52730

Ion	Ratio	Lower	Upper
94	100		
65	40.0	14.8	54.8
66	64.1	41.4	81.4

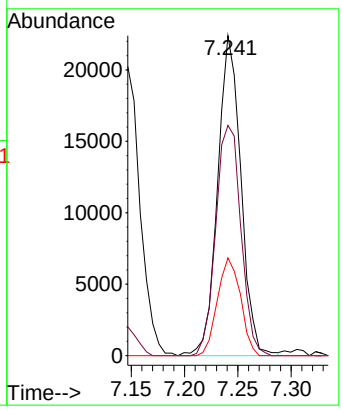




#11
bis(2-Chloroethyl)ether
Concen: 43.806 ng
RT: 7.241 min Scan# 70
Delta R.T. -0.004 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion: 93 Resp: 3398

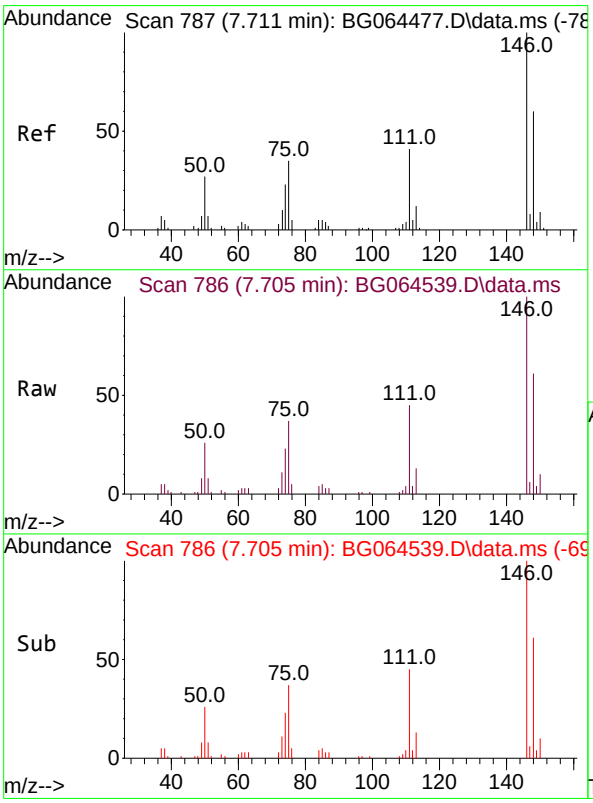
Ion	Ratio	Lower	Upper
93	100		
63	71.9	59.5	99.5
95	30.5	8.8	48.8



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

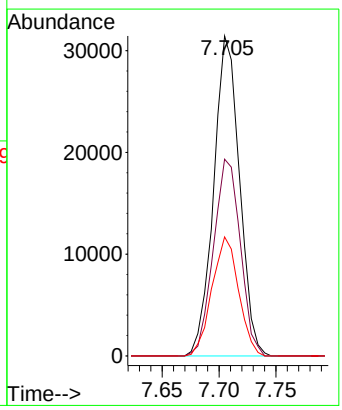
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

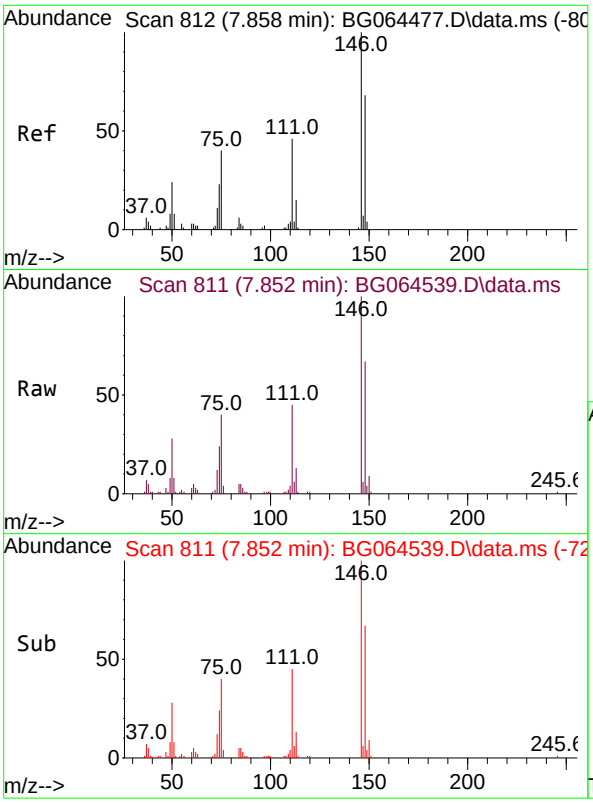


#12
1,3-Dichlorobenzene
Concen: 45.746 ng
RT: 7.705 min Scan# 786
Delta R.T. -0.004 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:146 Resp: 49650

Ion	Ratio	Lower	Upper
146	100		
148	61.5	48.4	72.6
75	37.2	28.3	42.5





#13
1,4-Dichlorobenzene
Concen: 47.101 ng
RT: 7.852 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

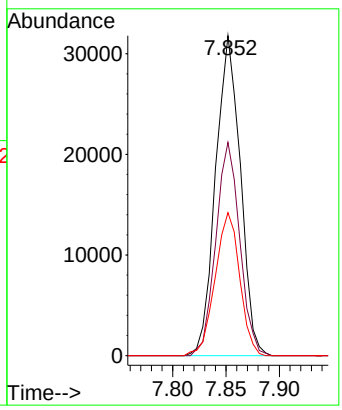
Tgt Ion:146 Resp: 5130

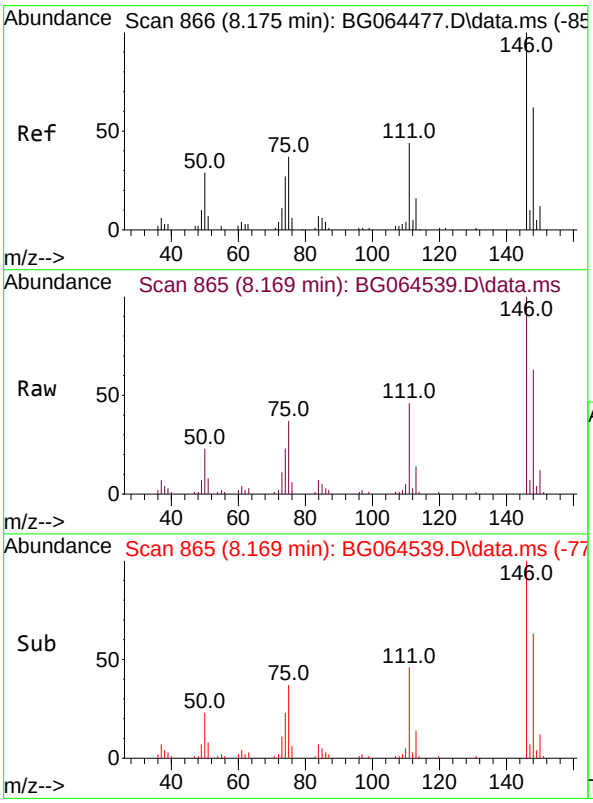
Ion	Ratio	Lower	Upper
146	100		
148	66.6	54.4	81.6
111	44.7	36.5	54.7

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

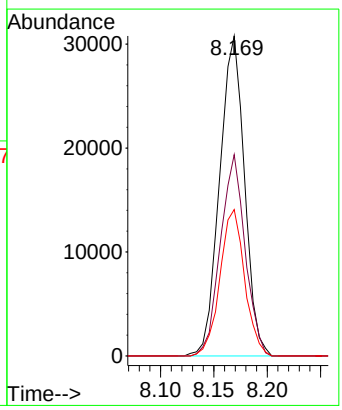


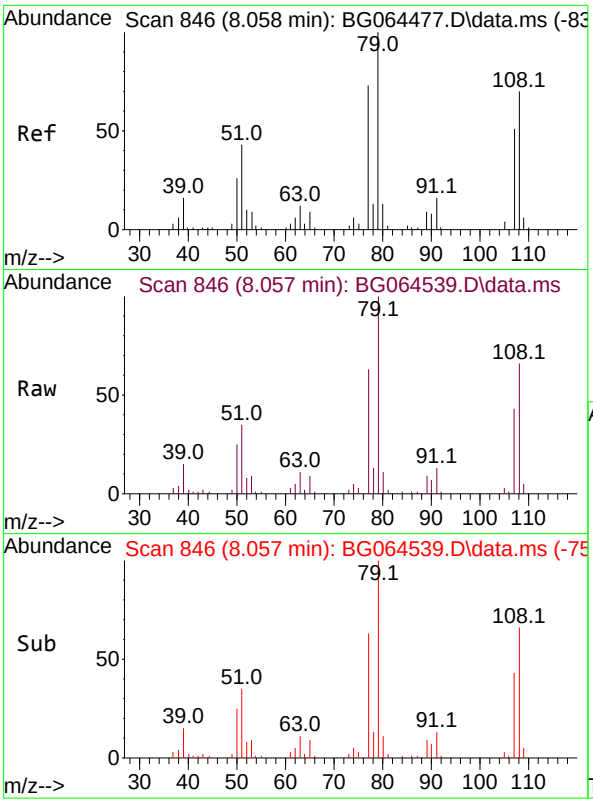


#14
1,2-Dichlorobenzene
Concen: 46.493 ng
RT: 8.169 min Scan# 865
Delta R.T. -0.004 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:146 Resp: 49913

Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.0	75.0
111	45.7	35.0	52.4

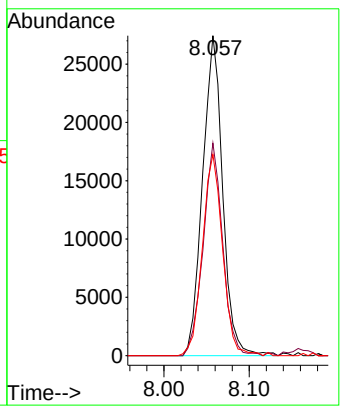




#15
Benzyl Alcohol
Concen: 44.851 ng
RT: 8.057 min Scan# 84
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion: 79 Resp: 4484

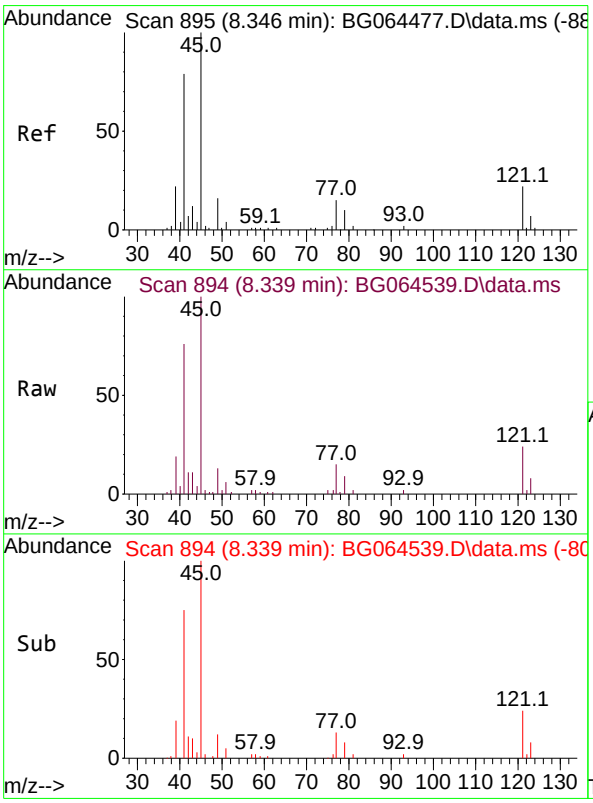
Ion	Ratio	Lower	Upper
79	100		
108	66.4	56.4	84.6
77	62.9	58.3	87.5



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

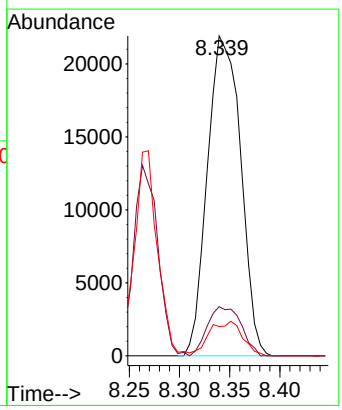
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

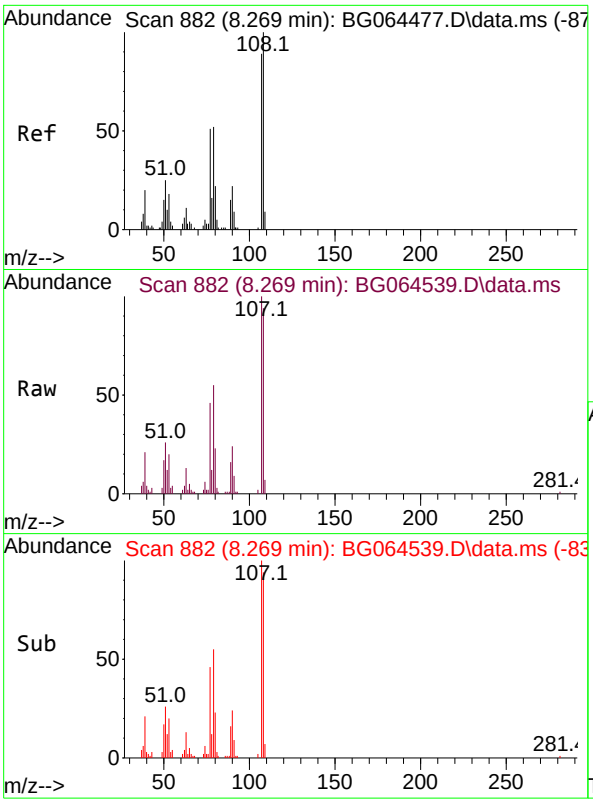


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.440 ng
RT: 8.339 min Scan# 894
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion: 45 Resp: 50564

Ion	Ratio	Lower	Upper
45	100		
77	15.4	0.0	35.6
79	9.2	0.0	30.7

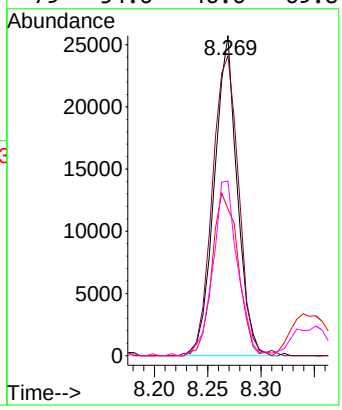




#17
2-Methylphenol
Concen: 46.478 ng
RT: 8.269 min Scan# 88
Delta R.T. 0.008 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:107 Resp: 3854

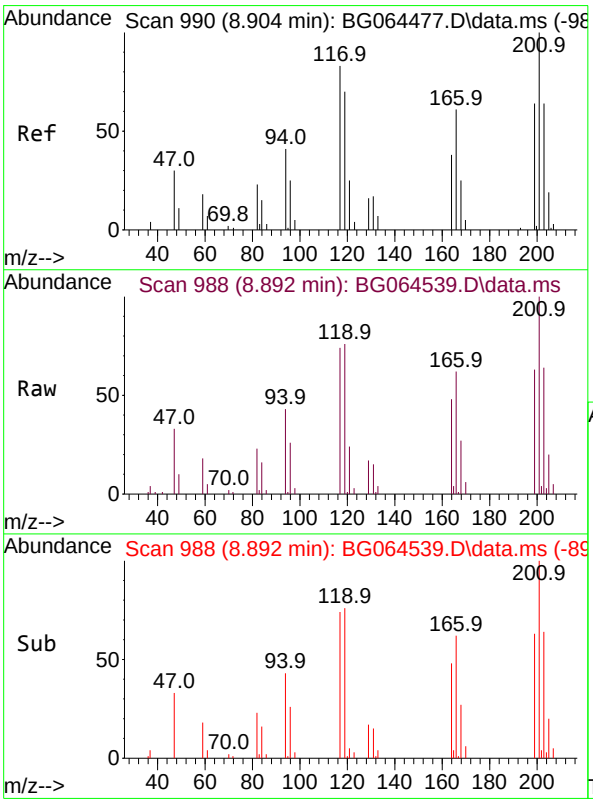
Ion	Ratio	Lower	Upper
107	100		
108	93.7	90.3	135.5
77	45.8	46.0	69.0#
79	54.6	46.6	69.8



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

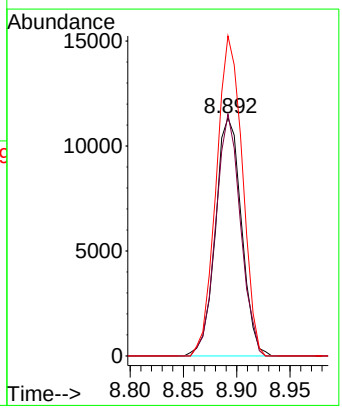
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

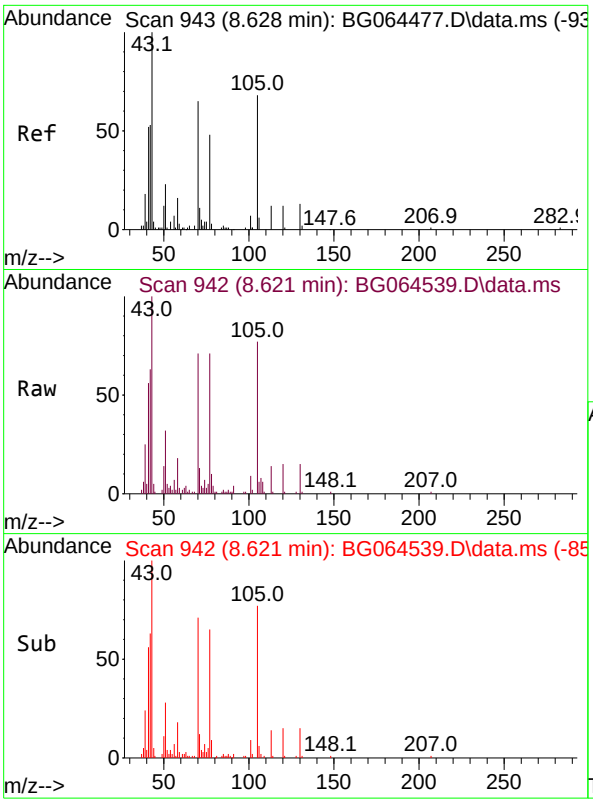


#18
Hexachloroethane
Concen: 44.791 ng
RT: 8.892 min Scan# 988
Delta R.T. -0.004 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:117 Resp: 19258

Ion	Ratio	Lower	Upper
117	100		
119	101.6	67.4	101.0#
201	134.5	95.9	143.9

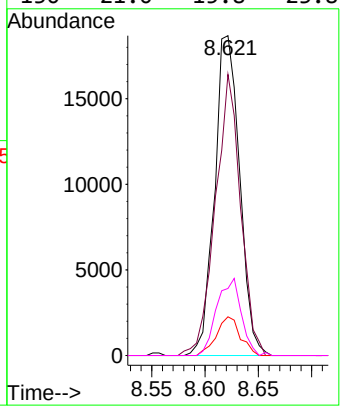




#19
n-Nitroso-di-n-propylamine
Concen: 42.324 ng
RT: 8.621 min Scan# 94
Delta R.T. 0.008 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion: 70 Resp: 3073

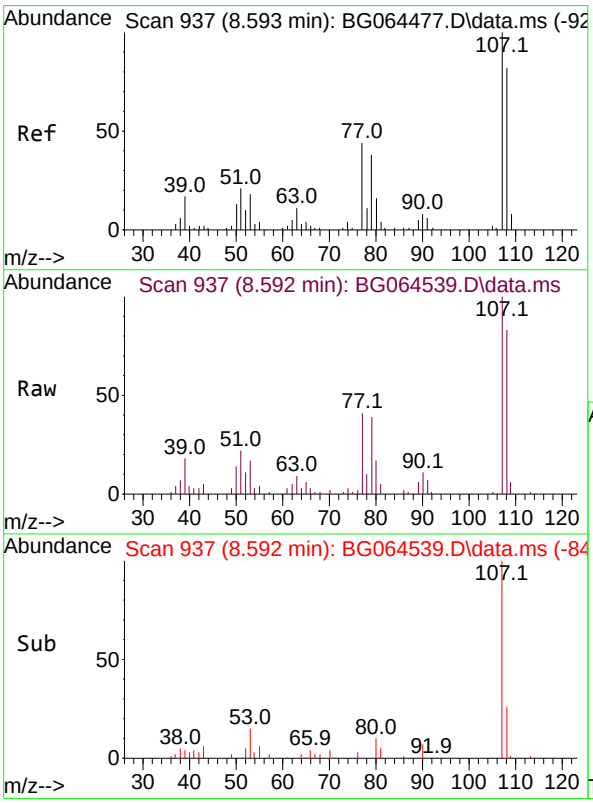
Ion	Ratio	Lower	Upper
70	100		
42	87.9	64.9	97.3
101	12.1	8.7	13.1
130	21.0	15.8	23.8



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations APPROVED

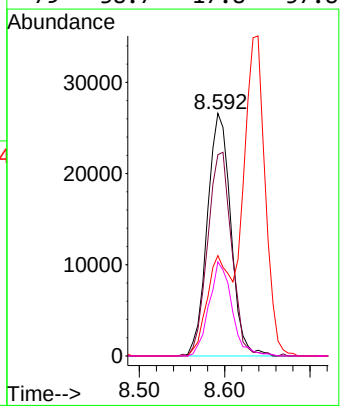
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

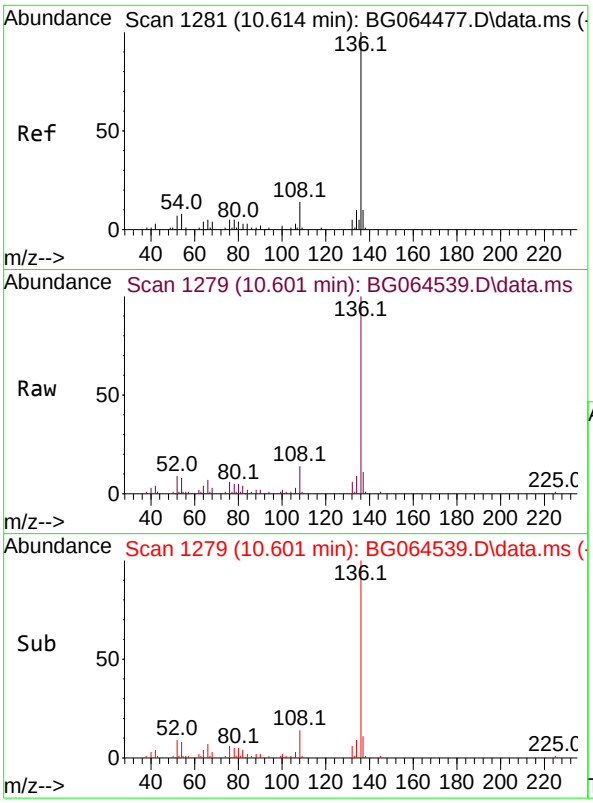


#20
3+4-Methylphenols
Concen: 43.875 ng
RT: 8.592 min Scan# 937
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:107 Resp: 50781

Ion	Ratio	Lower	Upper
107	100		
108	83.0	62.1	102.1
77	41.3	23.5	63.5
79	38.7	17.8	57.8

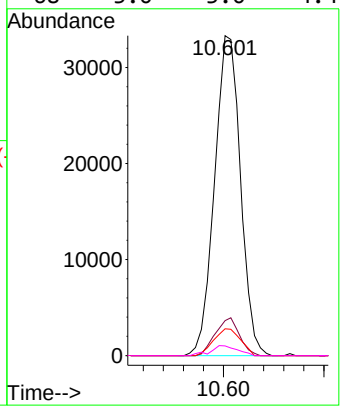




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.601 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:136 Resp: 5978

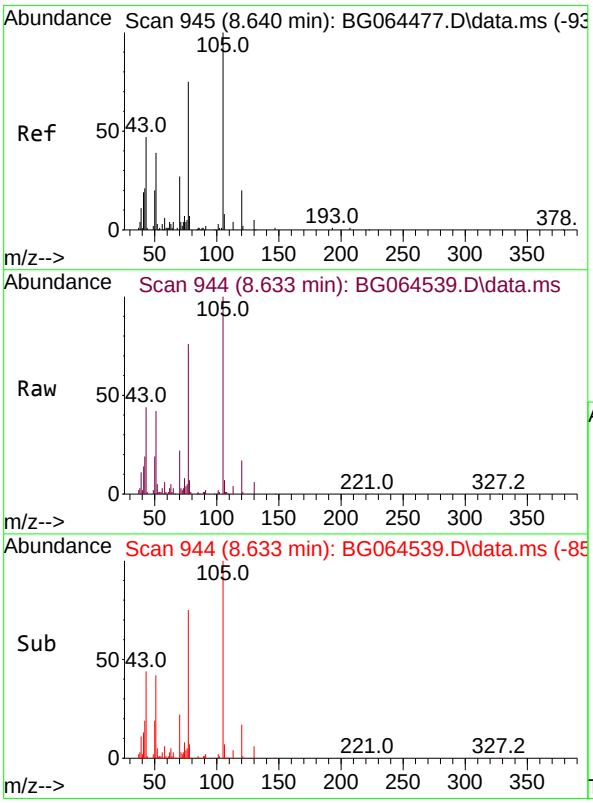
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.3	12.5
54	8.9	6.2	9.4
68	3.0	3.0	4.4



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

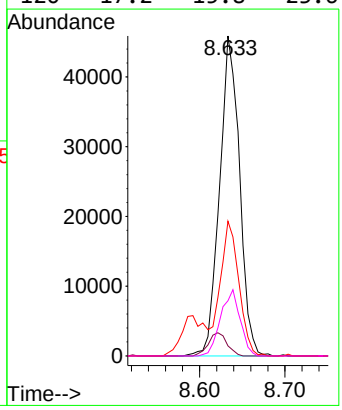
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

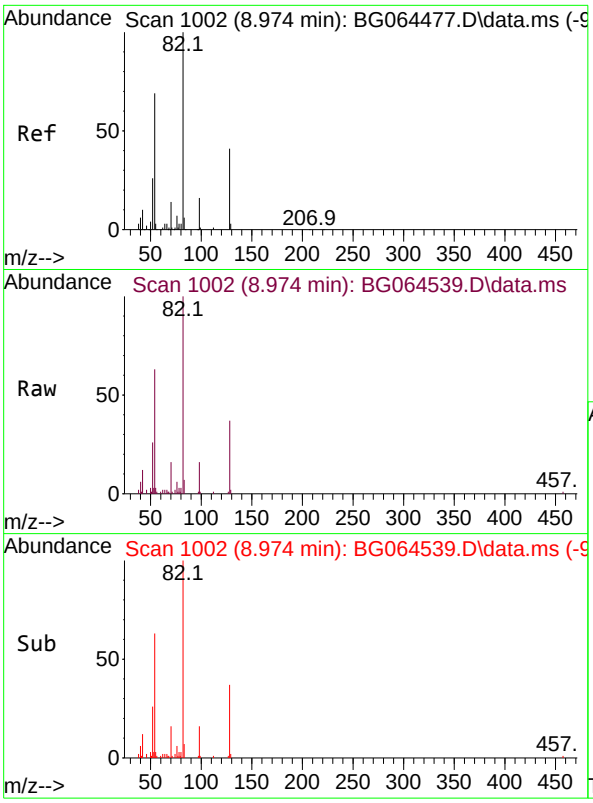


#22
Acetophenone
Concen: 51.557 ng
RT: 8.633 min Scan# 944
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:105 Resp: 74626

Ion	Ratio	Lower	Upper
105	100		
71	3.1	2.8	4.2
51	42.1	33.0	49.4
120	17.2	15.8	23.6





#23
Nitrobenzene-d5
Concen: 50.487 ng
RT: 8.974 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

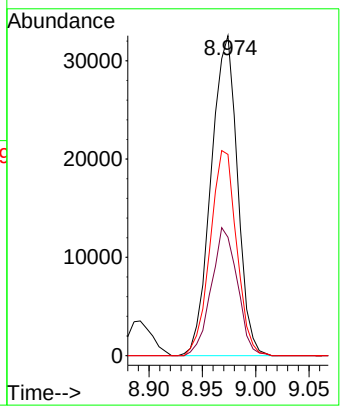
Tgt Ion: 82 Resp: 5613

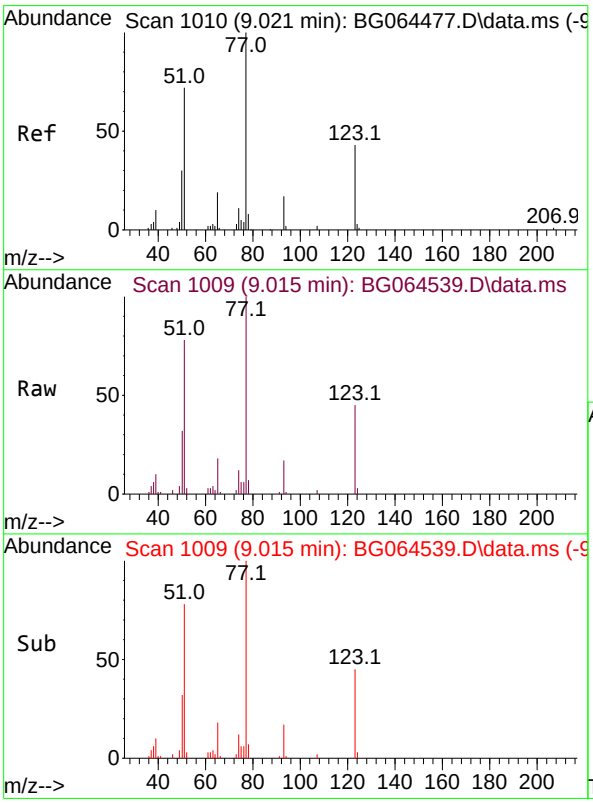
Ion	Ratio	Lower	Upper
82	100		
128	37.0	33.1	49.7
54	62.9	55.4	83.2

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

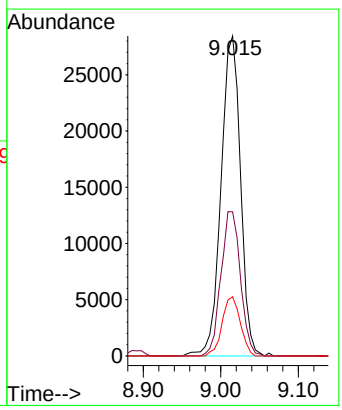


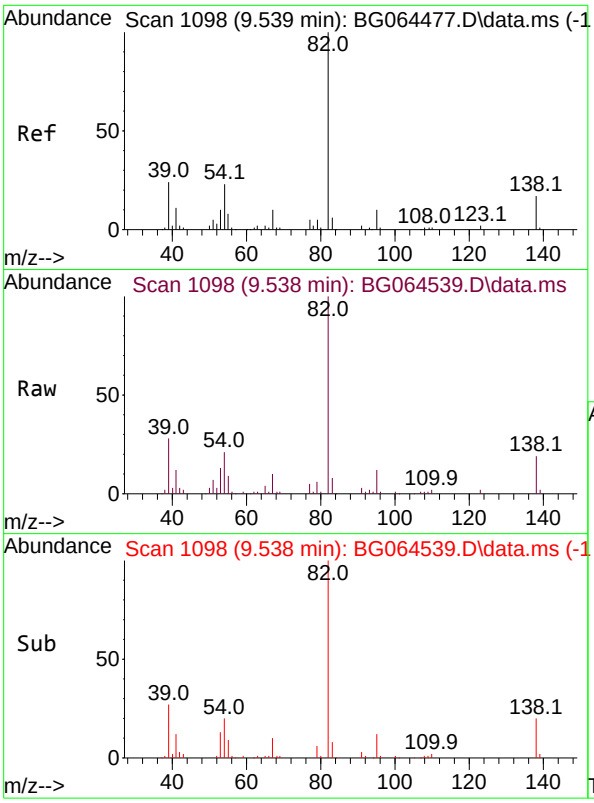


#24
Nitrobenzene
Concen: 44.854 ng
RT: 9.015 min Scan# 1009
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion: 77 Resp: 49729

Ion	Ratio	Lower	Upper
77	100		
123	45.0	34.4	51.6
65	18.5	14.8	22.2

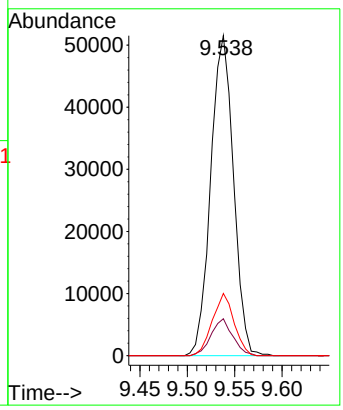




#25
Isophorone
Concen: 42.720 ng
RT: 9.538 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion: 82 Resp: 8604

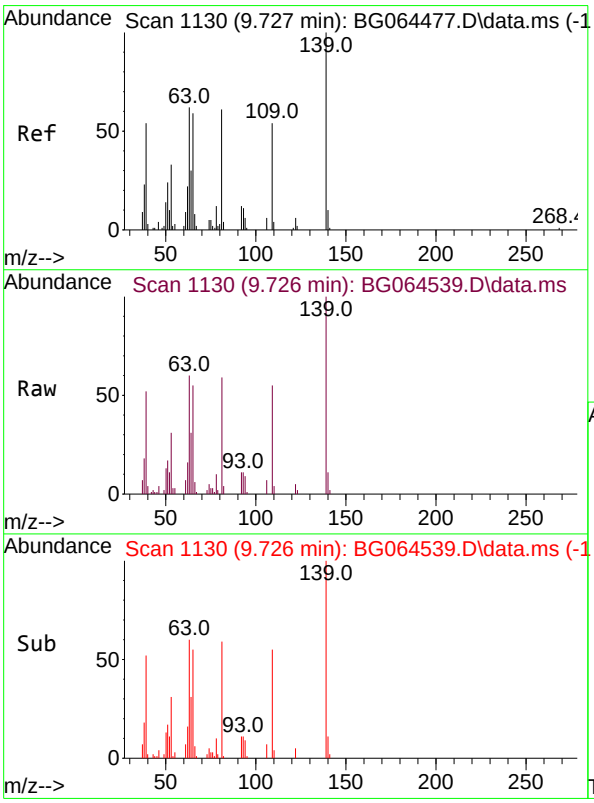
Ion	Ratio	Lower	Upper
82	100		
95	11.5	7.8	11.8
138	19.4	13.8	20.6



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

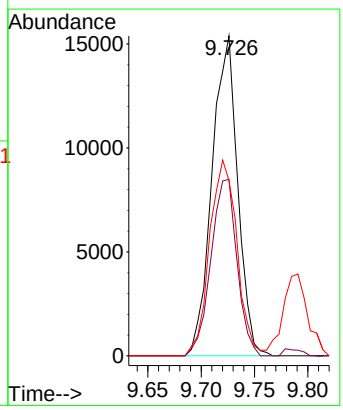
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

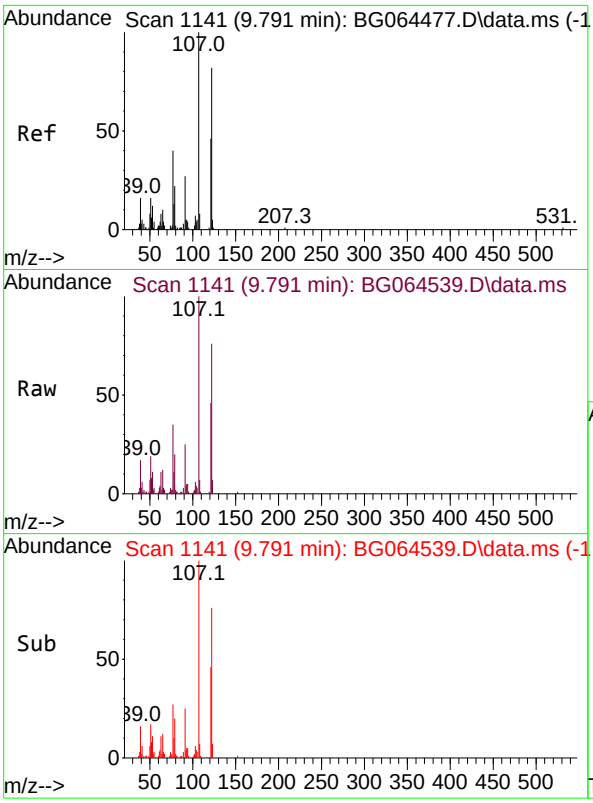


#26
2-Nitrophenol
Concen: 46.765 ng
RT: 9.726 min Scan# 1130
Delta R.T. 0.008 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:139 Resp: 25805

Ion	Ratio	Lower	Upper
139	100		
109	55.2	43.0	64.6
65	54.8	47.4	71.2

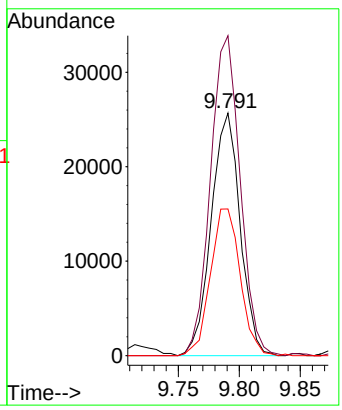




#27
2,4-Dimethylphenol
Concen: 50.354 ng
RT: 9.791 min Scan# 11
Delta R.T. 0.008 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:122 Resp: 4243

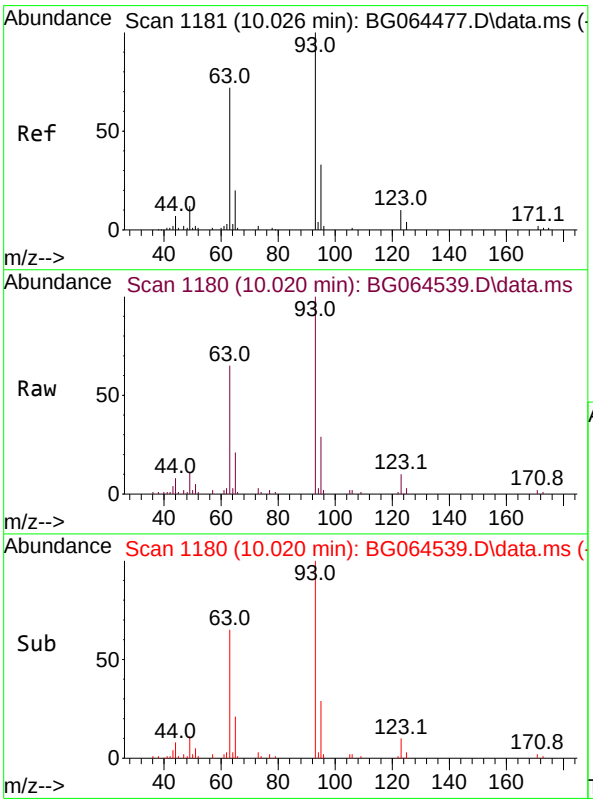
Ion	Ratio	Lower	Upper
122	100		
107	132.0	98.3	147.5
121	60.4	44.7	67.1



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

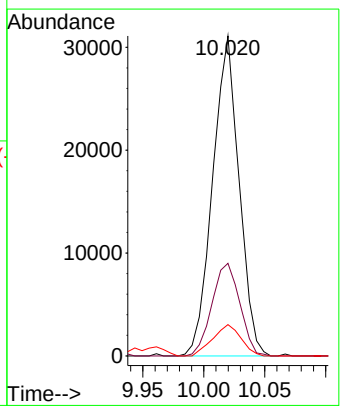
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

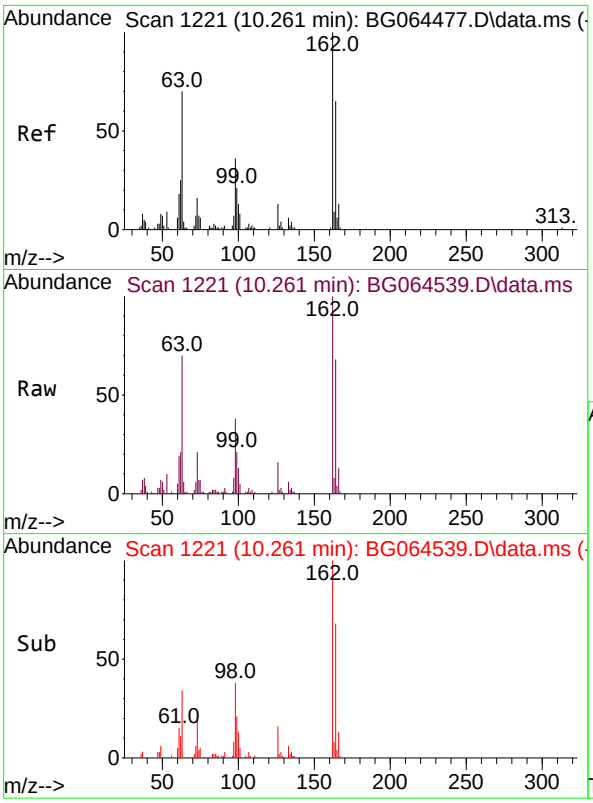


#28
bis(2-Chloroethoxy)methane
Concen: 45.672 ng
RT: 10.020 min Scan# 1180
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion: 93 Resp: 46890

Ion	Ratio	Lower	Upper
93	100		
95	28.9	26.5	39.7
123	9.8	8.9	13.3

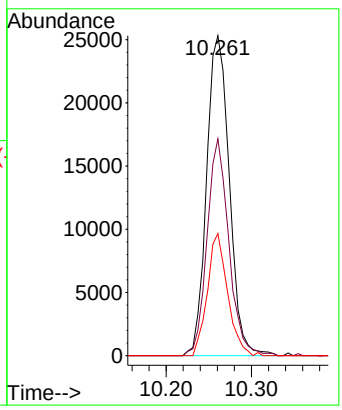




#29
2,4-Dichlorophenol
Concen: 48.061 ng
RT: 10.261 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:162 Resp: 4684

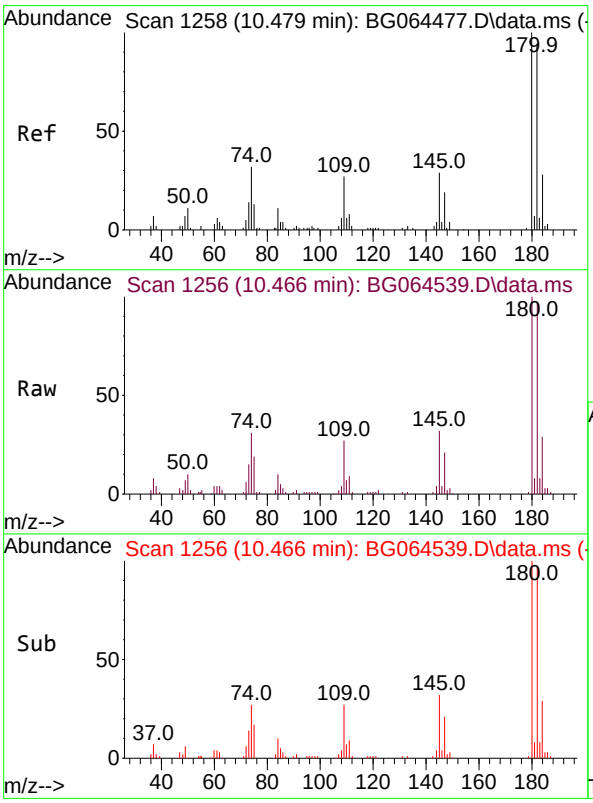
Ion	Ratio	Lower	Upper
162	100		
164	67.7	45.4	85.4
98	38.1	16.4	56.4



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

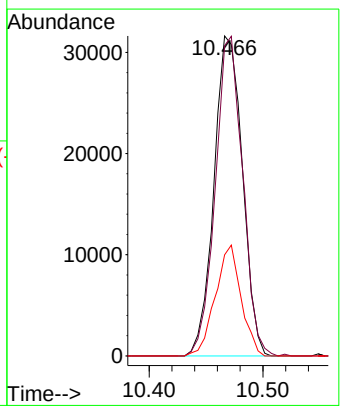
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

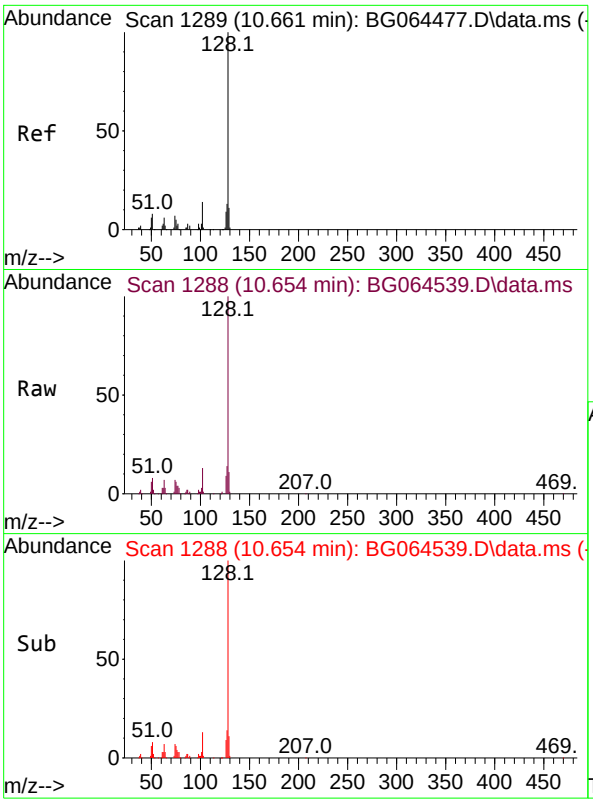


#30
1,2,4-Trichlorobenzene
Concen: 51.629 ng
RT: 10.466 min Scan# 1256
Delta R.T. -0.004 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:180 Resp: 54864

Ion	Ratio	Lower	Upper
180	100		
182	96.9	75.4	113.2
145	31.6	23.2	34.8

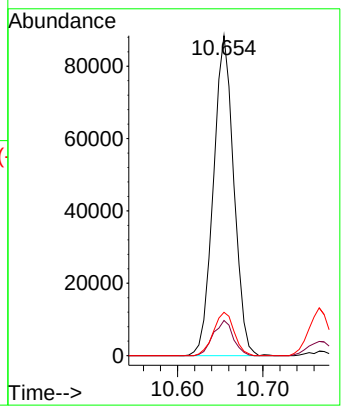




#31
Naphthalene
Concen: 47.666 ng
RT: 10.654 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:128 Resp: 14673

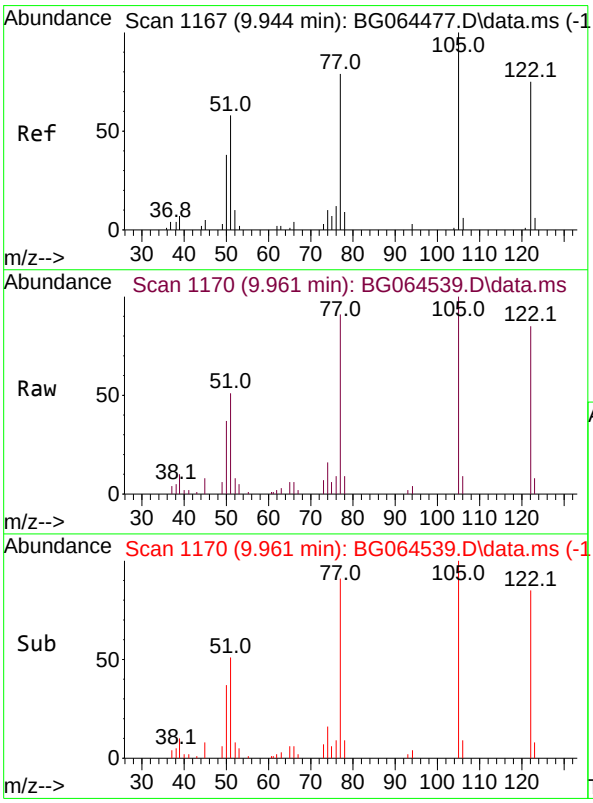
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.5	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

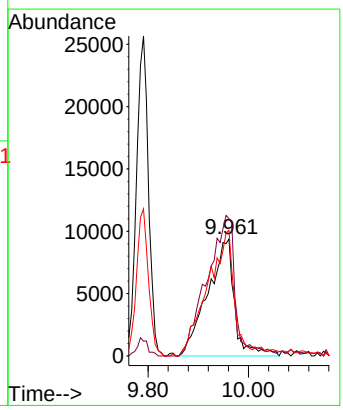
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

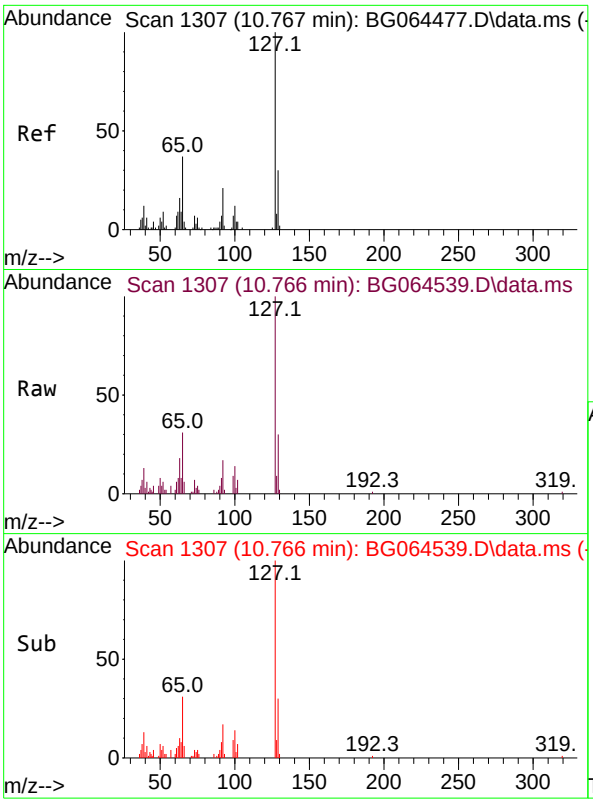


#32
Benzoic acid
Concen: 53.747 ng
RT: 9.961 min Scan# 1170
Delta R.T. 0.072 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:122 Resp: 34778

Ion	Ratio	Lower	Upper
122	100		
105	117.6	113.9	153.9
77	107.5	86.1	126.1

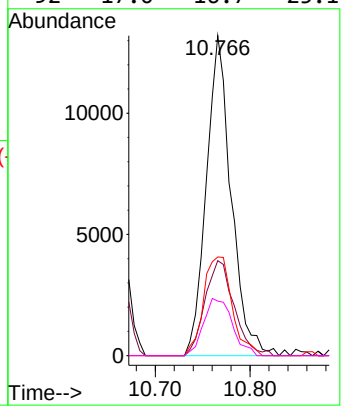




#33
4-Chloroaniline
Concen: 20.381 ng
RT: 10.766 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:127 Resp: 2407

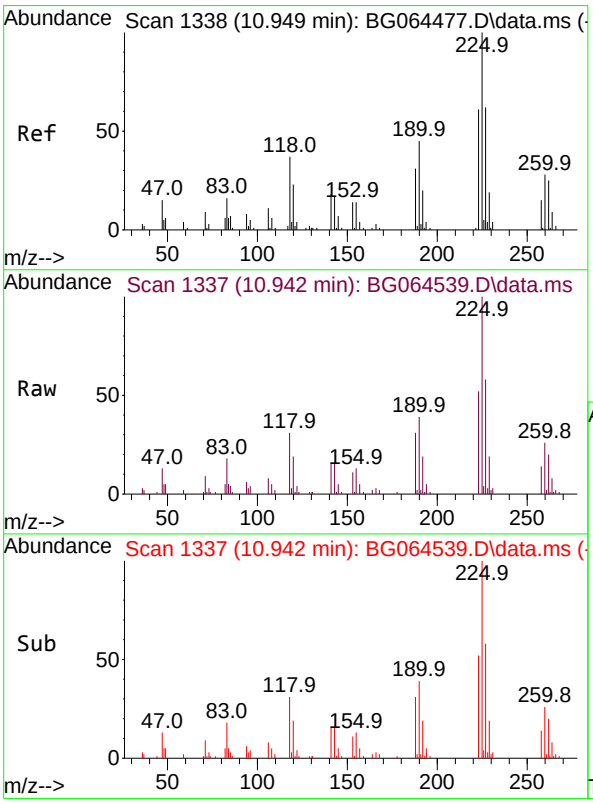
Ion	Ratio	Lower	Upper
127	100		
129	29.7	24.2	36.4
65	30.8	29.6	44.4
92	17.0	16.7	25.1



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

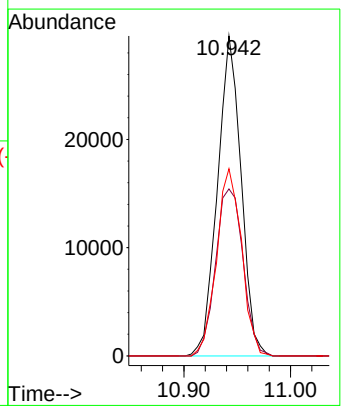
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

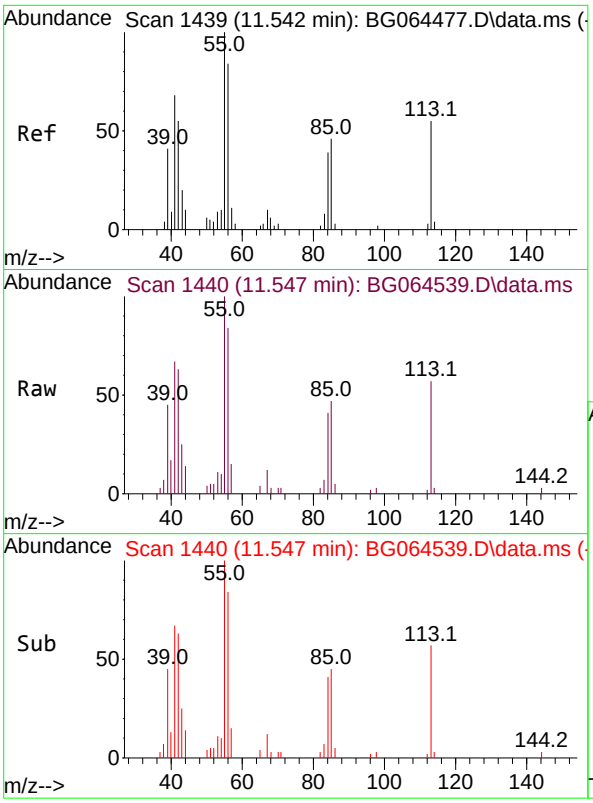


#34
Hexachlorobutadiene
Concen: 50.035 ng
RT: 10.942 min Scan# 1337
Delta R.T. -0.004 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:225 Resp: 45535

Ion	Ratio	Lower	Upper
225	100		
223	52.2	49.0	73.6
227	58.5	49.9	74.9





#35
Caprolactam
Concen: 40.678 ng m
RT: 11.547 min Scan# 14
Delta R.T. 0.037 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

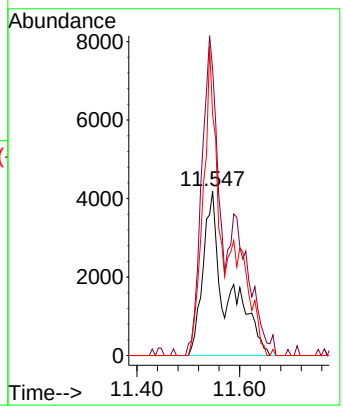
Tgt Ion:113 Resp: 1357

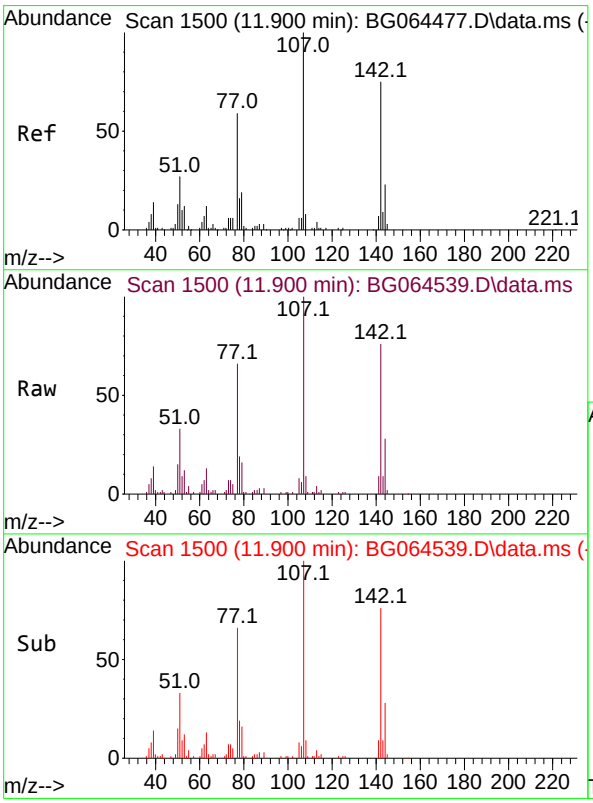
Ion	Ratio	Lower	Upper
113	100		
55	174.1	162.0	202.0
56	146.2	134.6	174.6

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

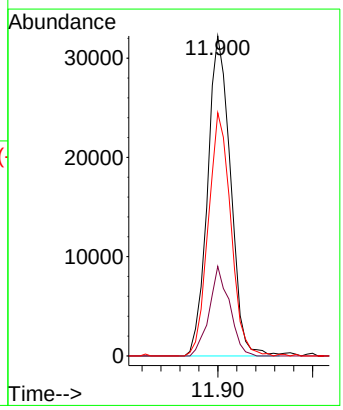


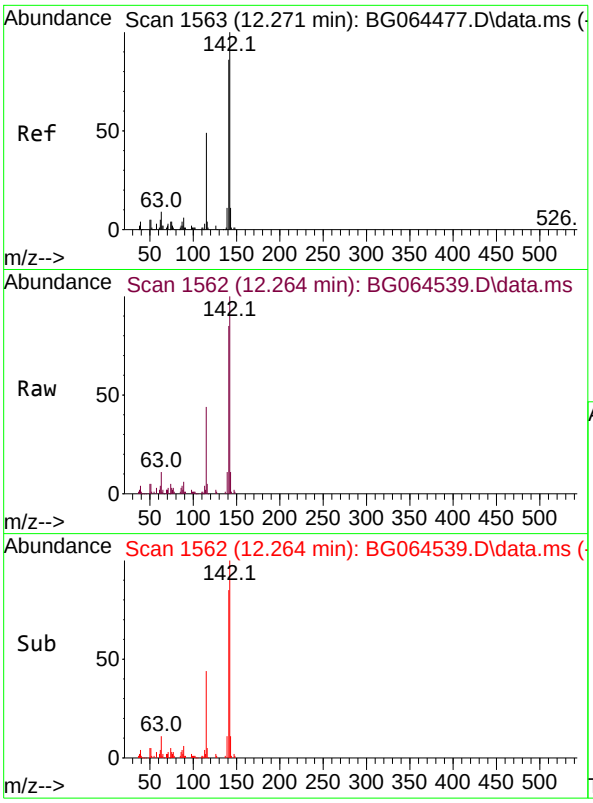


#36
4-Chloro-3-methylphenol
Concen: 45.779 ng
RT: 11.900 min Scan# 1500
Delta R.T. 0.008 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:107 Resp: 54257

Ion	Ratio	Lower	Upper
107	100		
144	28.0	18.7	28.1
142	76.0	60.2	90.2

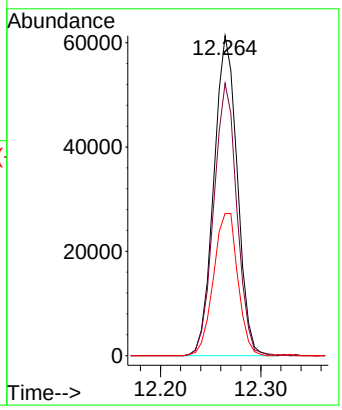




#37
2-Methylnaphthalene
Concen: 42.081 ng
RT: 12.264 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:142 Resp: 9944

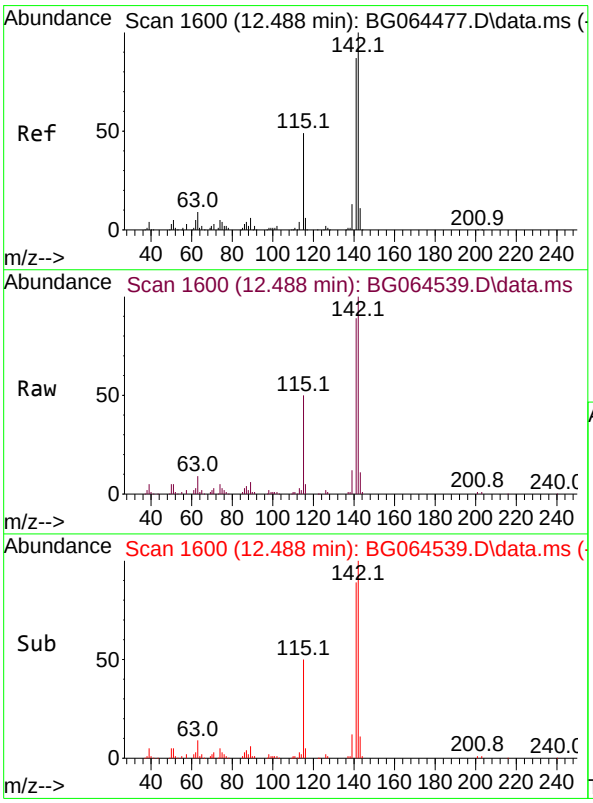
Ion	Ratio	Lower	Upper
142	100		
141	85.1	68.7	103.1
115	44.4	39.3	58.9



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

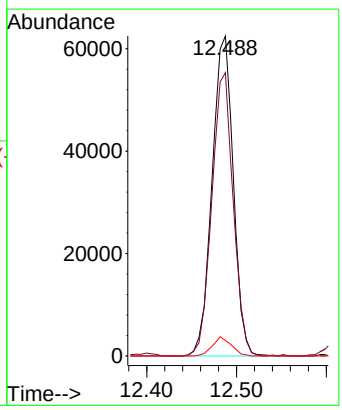
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

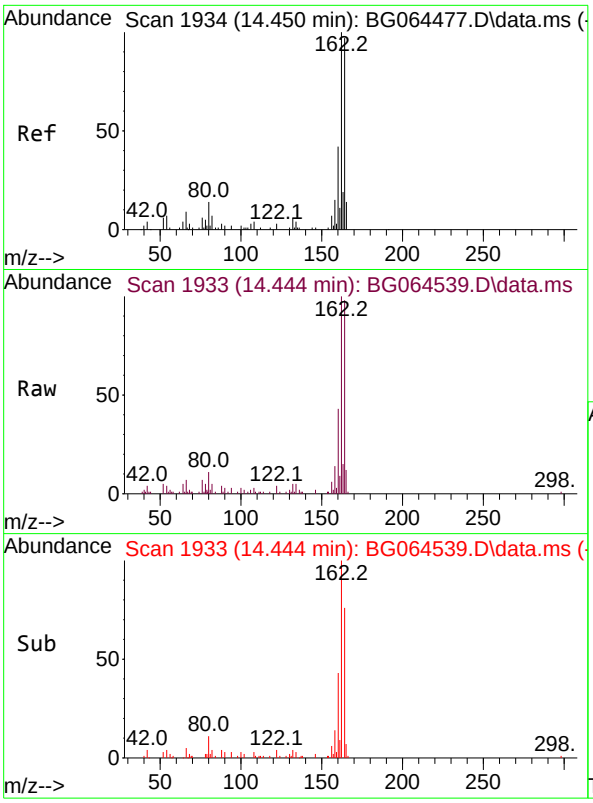


#38
1-Methylnaphthalene
Concen: 43.608 ng
RT: 12.488 min Scan# 1600
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:142 Resp: 102753

Ion	Ratio	Lower	Upper
142	100		
141	88.5	69.8	104.8
116	4.8	4.6	6.8

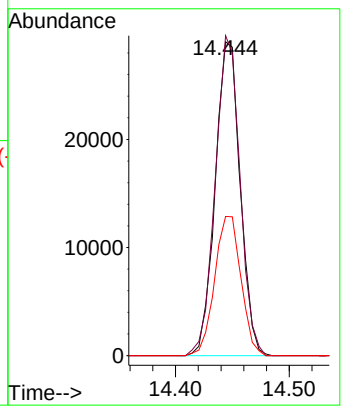




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.444 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:164 Resp: 4428

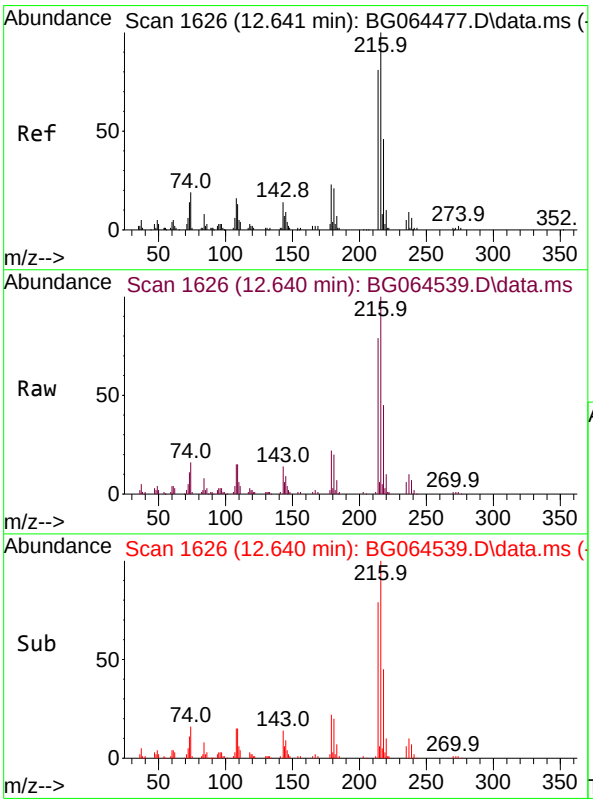
Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.2	123.2
160	44.3	34.3	51.5



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

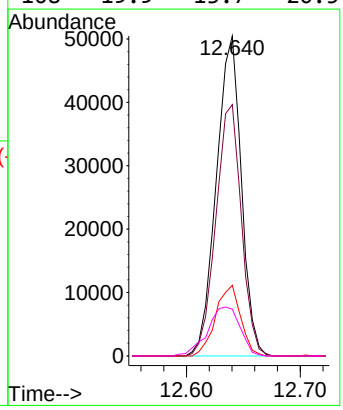
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

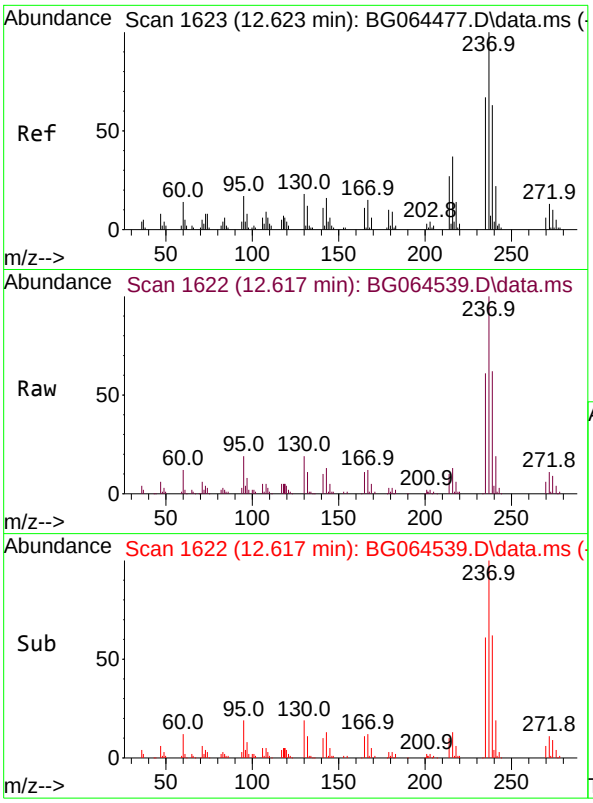


#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.858 ng
RT: 12.640 min Scan# 1626
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:216 Resp: 77018

Ion	Ratio	Lower	Upper
216	100		
214	80.2	62.5	93.7
179	22.1	17.0	25.6
108	19.9	13.7	20.5

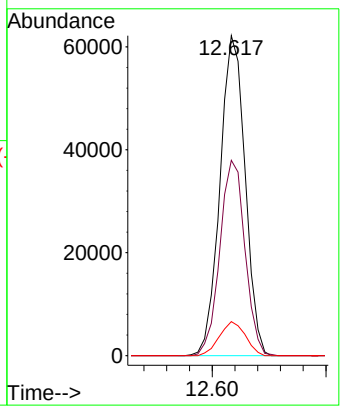




#41
Hexachlorocyclopentadiene
Concen: 127.452 ng
RT: 12.617 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:237 Resp: 9533

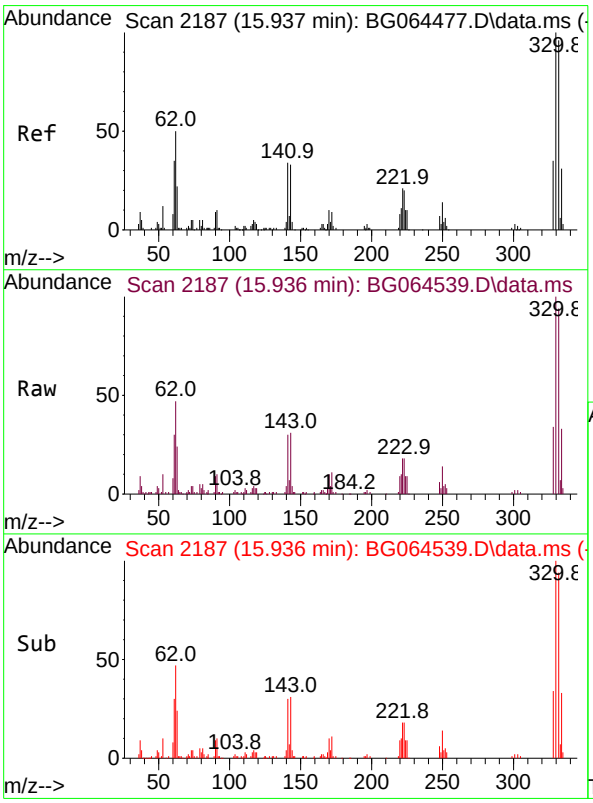
Ion	Ratio	Lower	Upper
237	100		
235	61.0	46.9	86.9
272	10.6	0.0	32.6



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

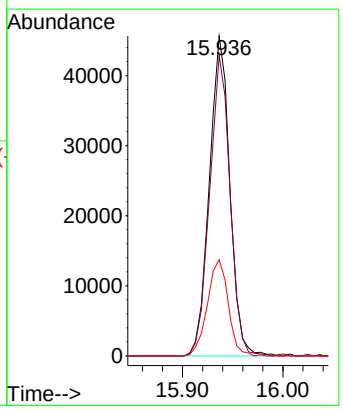
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

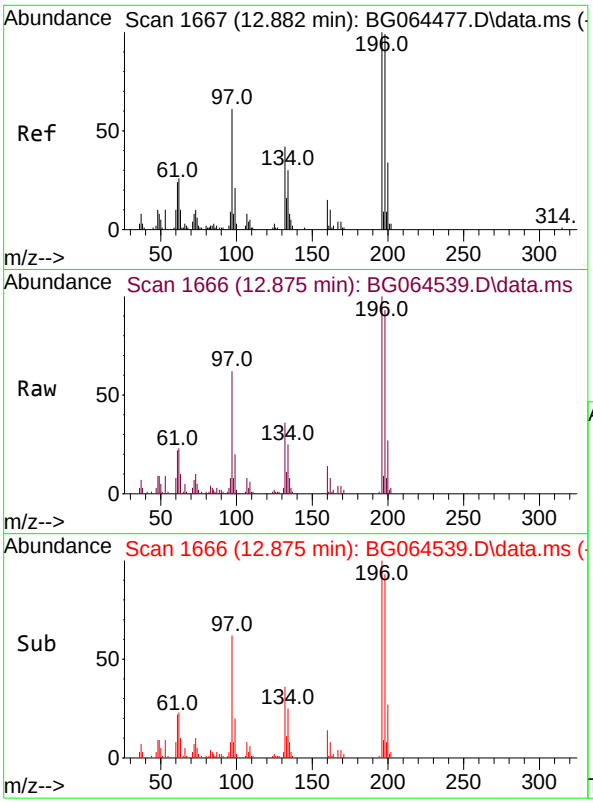


#42
2,4,6-Tribromophenol
Concen: 80.658 ng
RT: 15.936 min Scan# 2187
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:330 Resp: 64752

Ion	Ratio	Lower	Upper
330	100		
332	93.5	77.4	116.0
141	30.5	25.8	38.6





#43
2,4,6-Trichlorophenol
Concen: 48.810 ng m
RT: 12.875 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

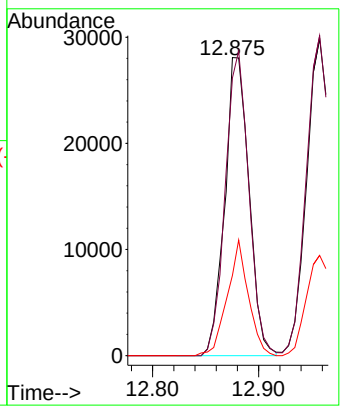
Tgt Ion:196 Resp: 4462

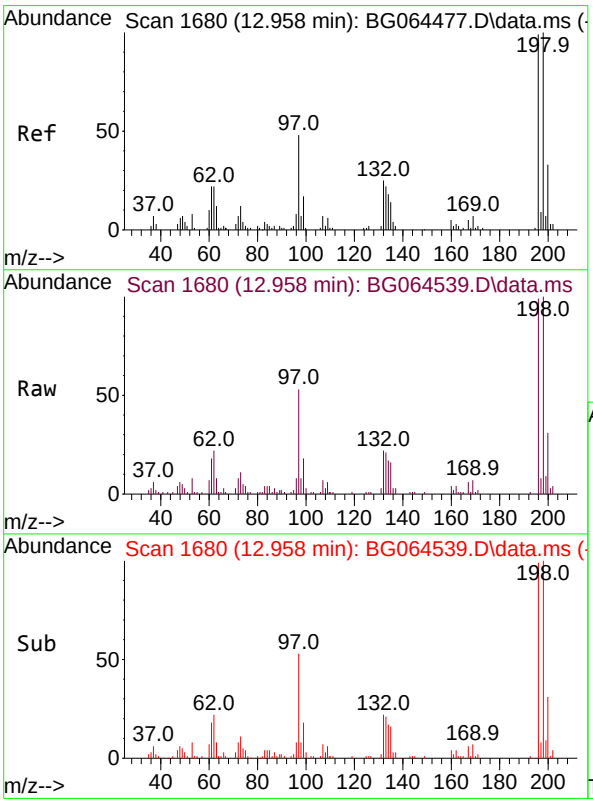
Ion	Ratio	Lower	Upper
196	100		
198	93.2	79.3	118.9
200	26.9	27.4	41.2

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

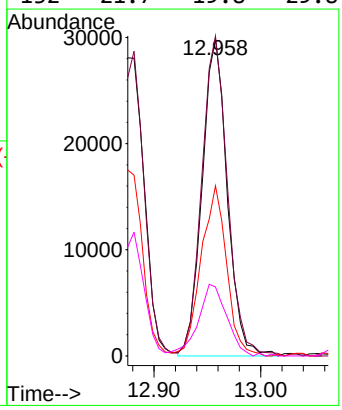


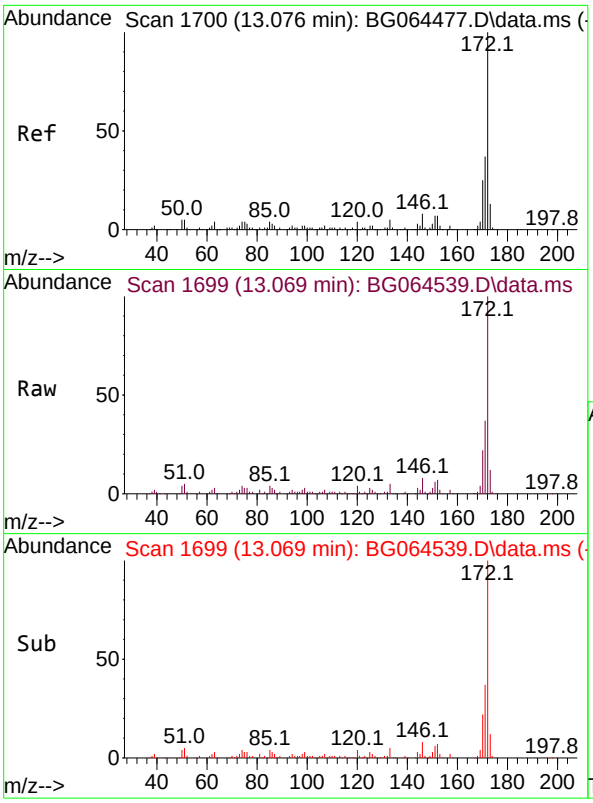


#44
2,4,5-Trichlorophenol
Concen: 47.902 ng
RT: 12.958 min Scan# 1680
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:196 Resp: 48888

Ion	Ratio	Lower	Upper
196	100		
198	100.9	80.3	120.5
97	53.6	39.4	59.0
132	21.7	19.8	29.8

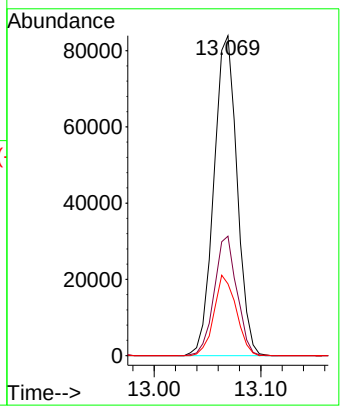




#45
2-Fluorobiphenyl
Concen: 42.241 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:172 Resp: 12692

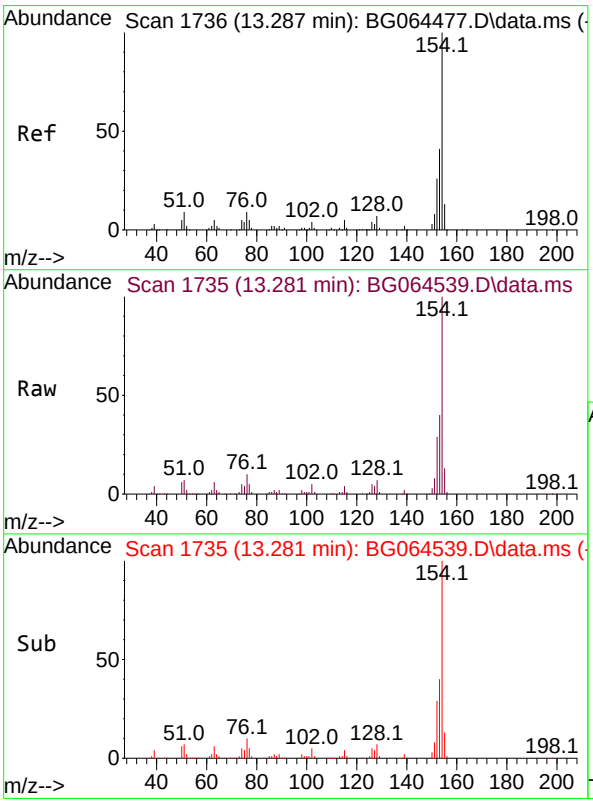
Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.6	44.4
170	22.4	20.2	30.2



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

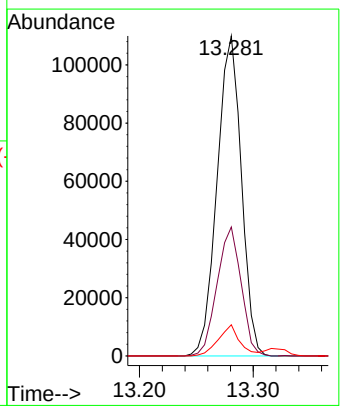
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

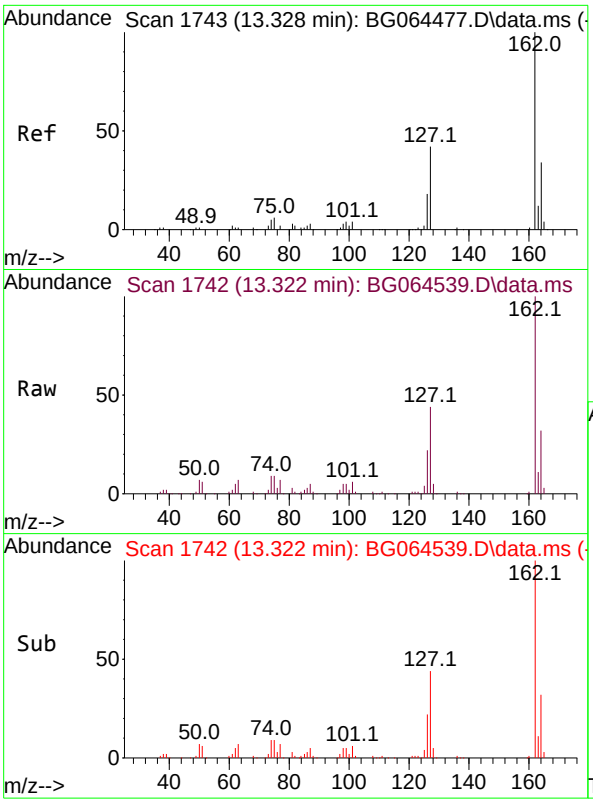


#46
1,1'-Biphenyl
Concen: 51.158 ng
RT: 13.281 min Scan# 1735
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:154 Resp: 162959

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.7	60.7
76	9.7	0.0	29.3

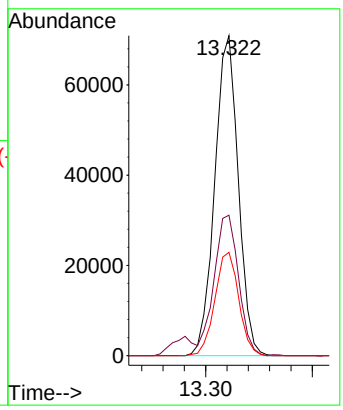




#47
2-Chloronaphthalene
Concen: 45.751 ng
RT: 13.322 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:162 Resp: 10880

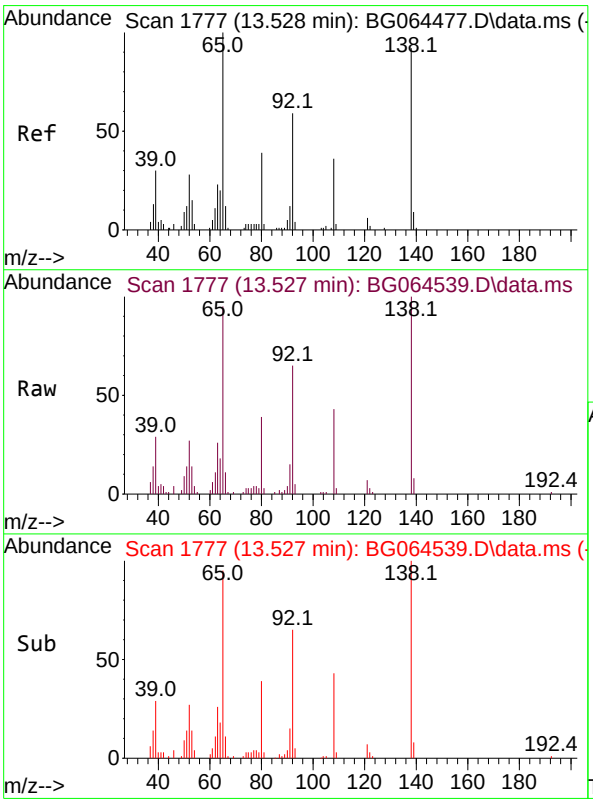
Ion	Ratio	Lower	Upper
162	100		
127	43.9	35.8	53.8
164	32.3	27.2	40.8



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

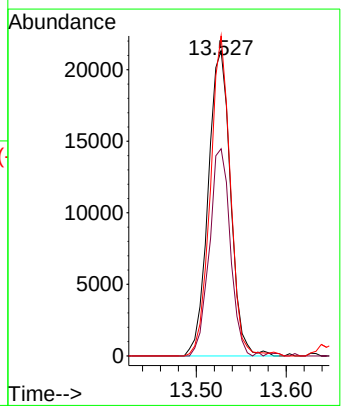
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

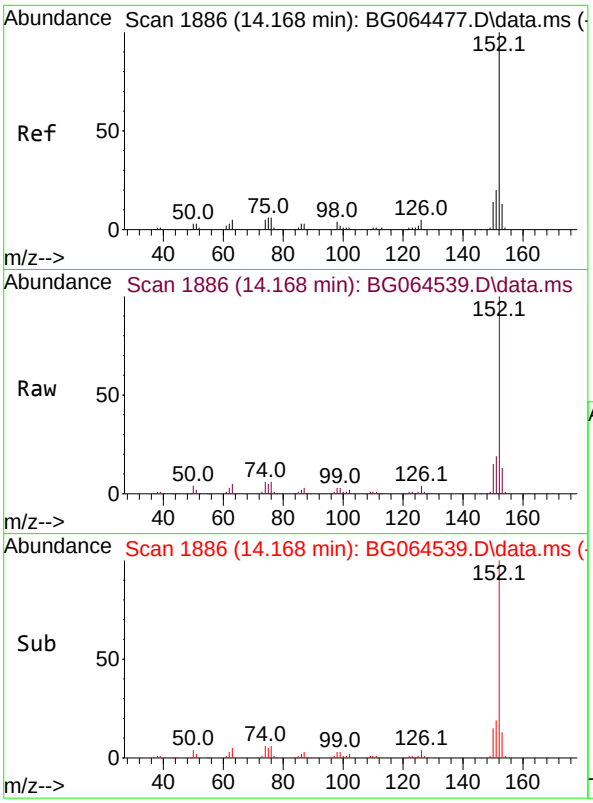


#48
2-Nitroaniline
Concen: 45.464 ng
RT: 13.527 min Scan# 1777
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion: 65 Resp: 36904

Ion	Ratio	Lower	Upper
65	100		
92	67.8	47.0	70.6
138	104.8	73.5	110.3

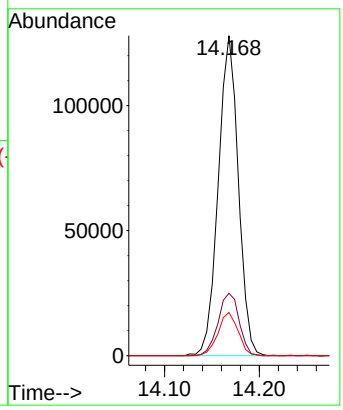




#49
Acenaphthylene
Concen: 53.191 ng
RT: 14.168 min Scan# 18
Delta R.T. -0.004 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:152 Resp: 187789

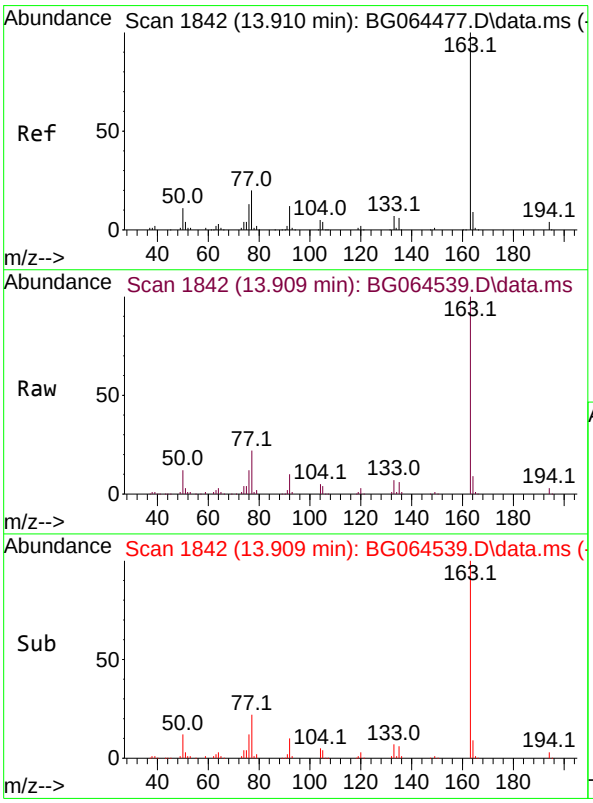
Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	13.5	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

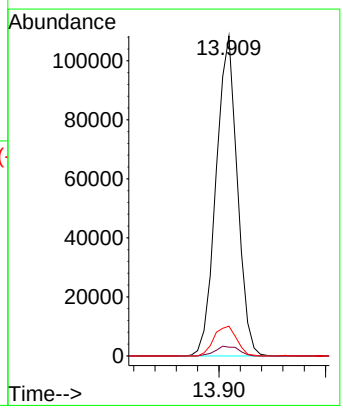
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

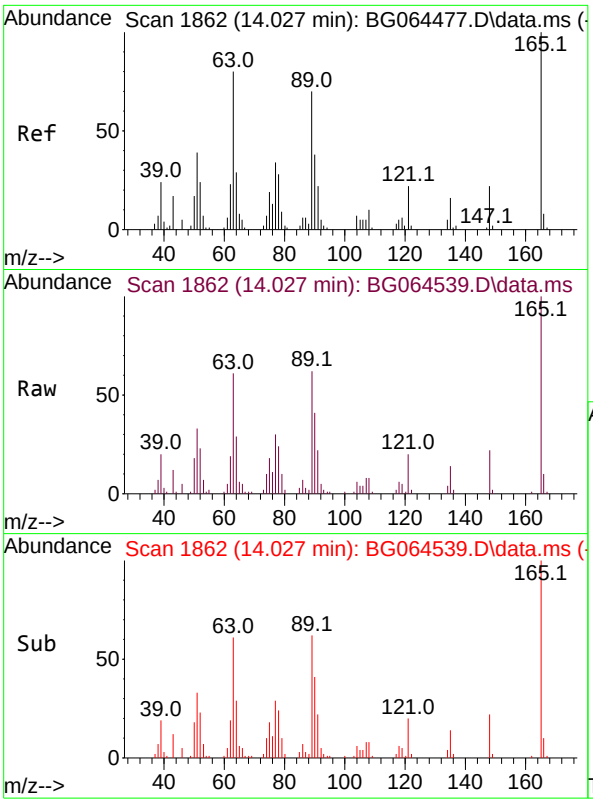


#50
Dimethylphthalate
Concen: 43.395 ng
RT: 13.909 min Scan# 1842
Delta R.T. 0.008 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:163 Resp: 150526

Ion	Ratio	Lower	Upper
163	100		
194	2.7	2.9	4.3#
164	9.3	7.4	11.0





#51
2,6-Dinitrotoluene
Concen: 46.103 ng
RT: 14.027 min Scan# 18
Delta R.T. 0.008 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

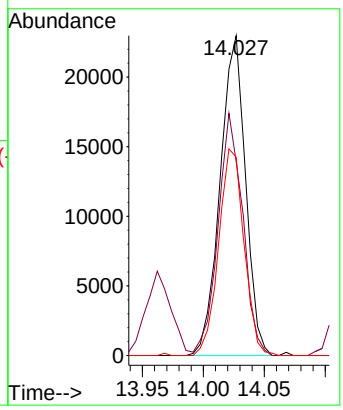
Tgt Ion:165 Resp: 3331

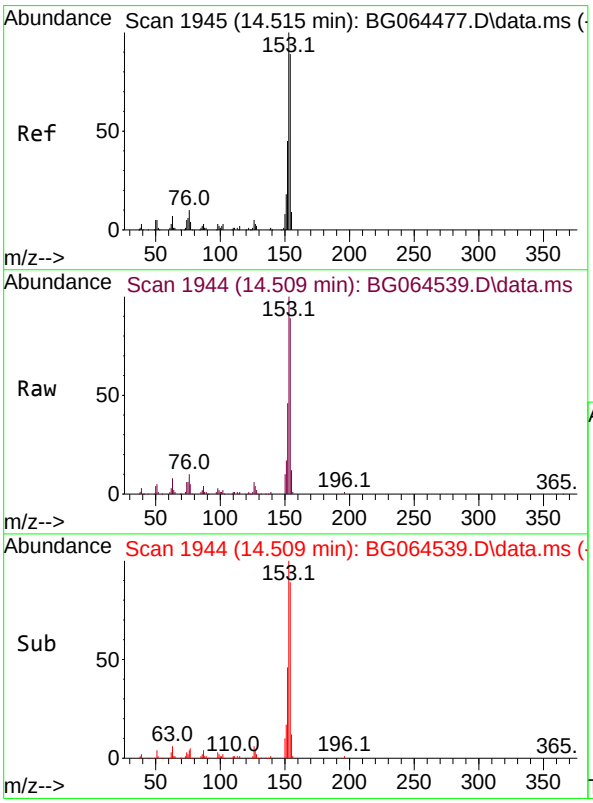
Ion	Ratio	Lower	Upper
165	100		
63	60.6	63.9	95.9
89	62.0	56.1	84.1

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

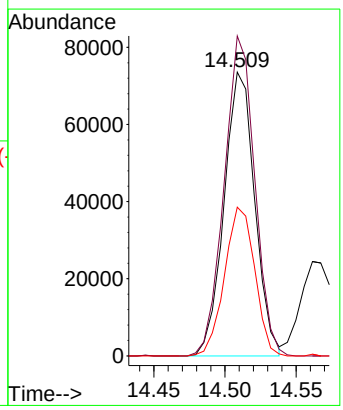


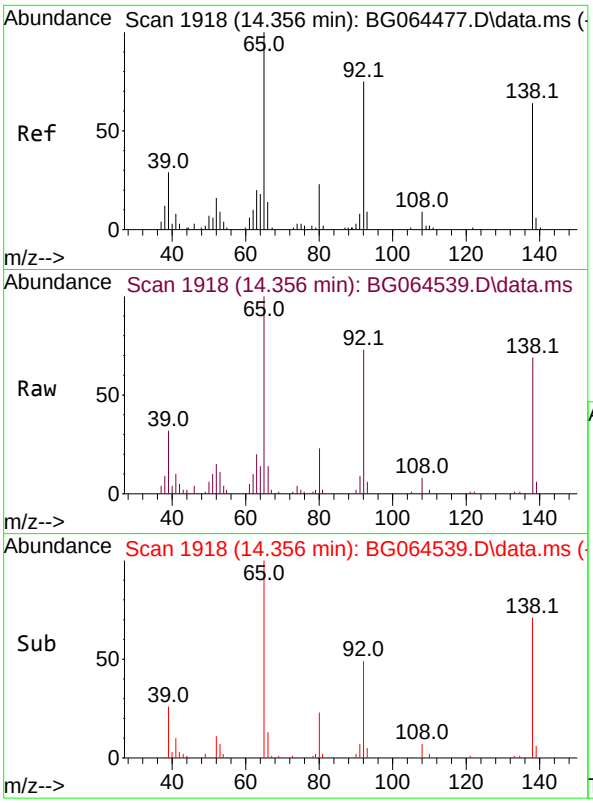


#52
Acenaphthene
Concen: 44.985 ng
RT: 14.509 min Scan# 1944
Delta R.T. -0.004 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:154 Resp: 110340

Ion	Ratio	Lower	Upper
154	100		
153	112.8	90.2	135.4
152	52.4	40.2	60.4

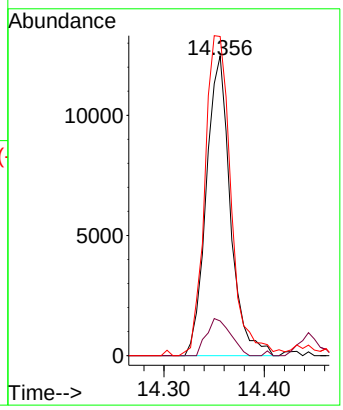




#53
3-Nitroaniline
Concen: 31.162 ng
RT: 14.356 min Scan# 19
Delta R.T. 0.008 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:138 Resp: 2076

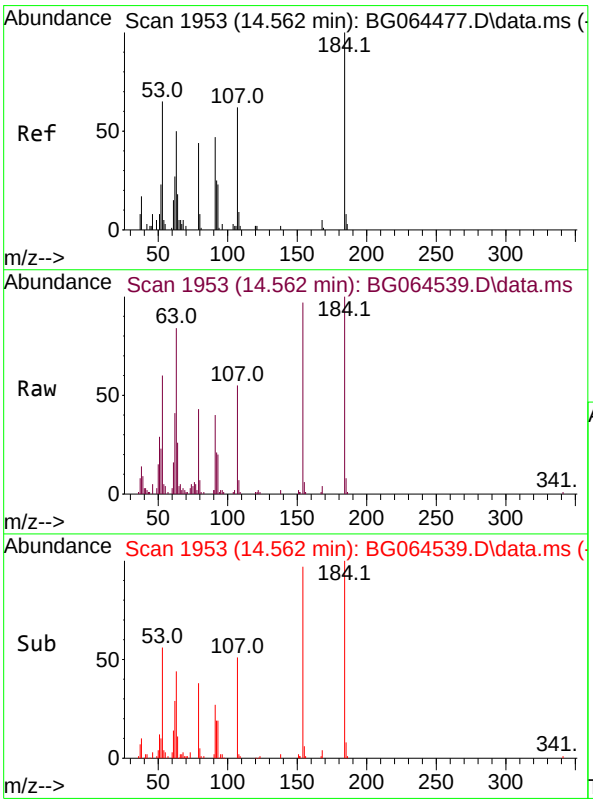
Ion	Ratio	Lower	Upper
138	100		
108	11.6	10.6	15.8
92	106.5	93.2	139.8



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

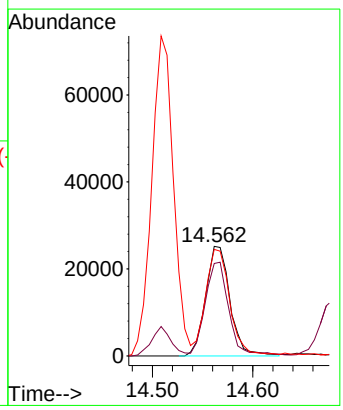
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

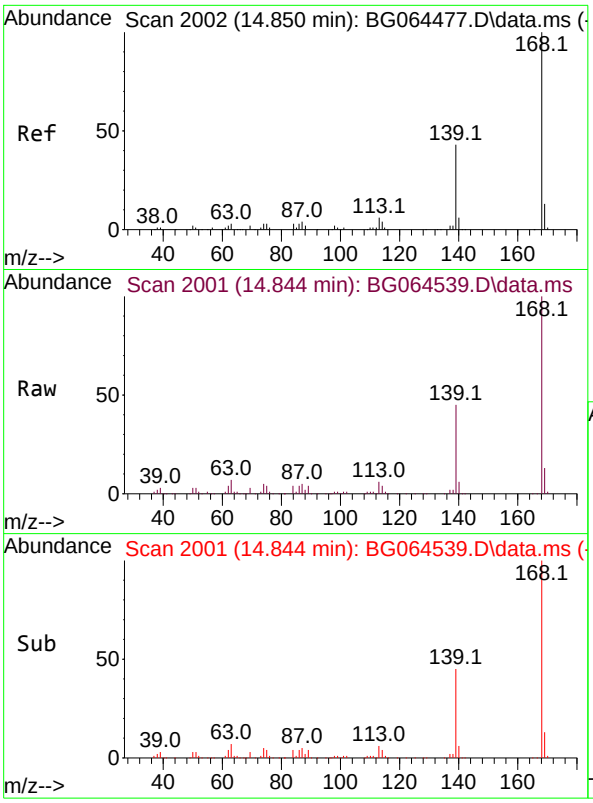


#54
2,4-Dinitrophenol
Concen: 80.943 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.004 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:184 Resp: 42410

Ion	Ratio	Lower	Upper
184	100		
63	84.3	69.0	103.4
154	97.1	95.6	143.4

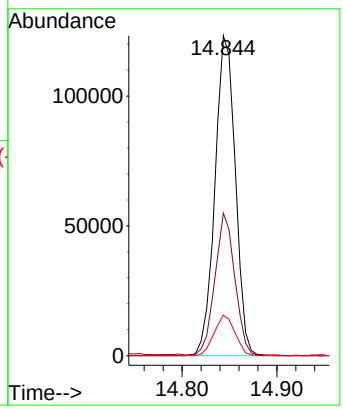




#55
Dibenzofuran
Concen: 45.428 ng
RT: 14.844 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:168 Resp: 18398

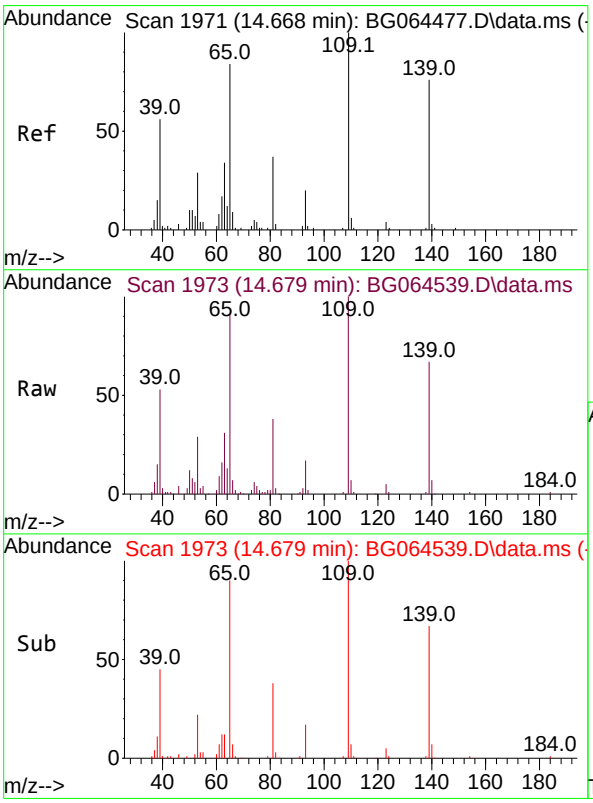
Ion	Ratio	Lower	Upper
168	100		
139	44.5	34.0	51.0
169	12.6	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

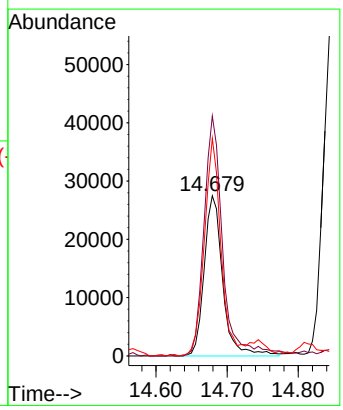
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

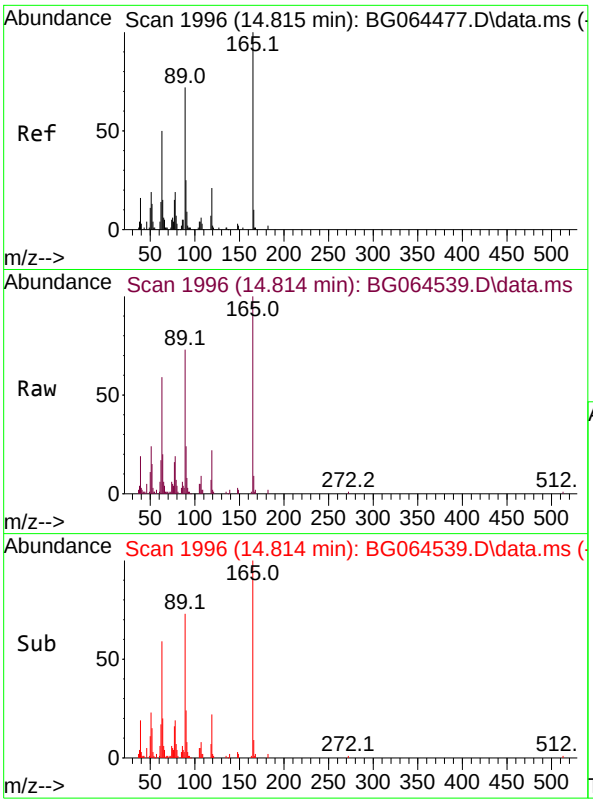


#56
4-Nitrophenol
Concen: 94.546 ng
RT: 14.679 min Scan# 1973
Delta R.T. 0.014 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:139 Resp: 49605

Ion	Ratio	Lower	Upper
139	100		
109	149.8	111.8	151.8
65	135.9	91.1	131.1#

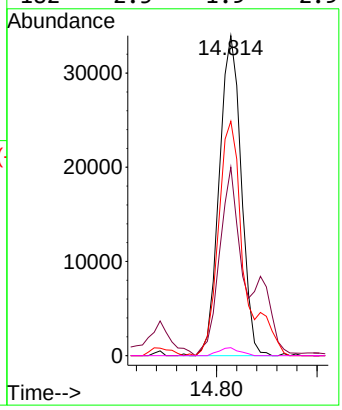




#57
2,4-Dinitrotoluene
Concen: 46.752 ng
RT: 14.814 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:165 Resp: 5164

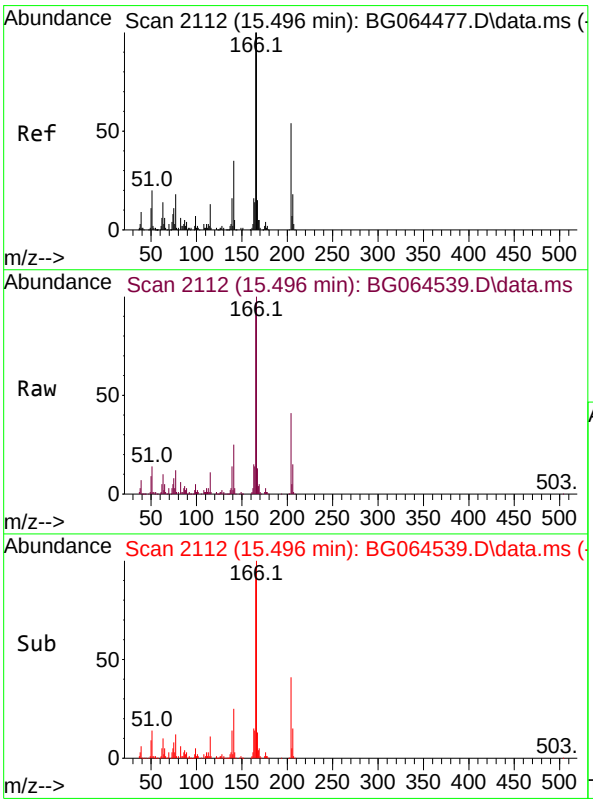
Ion	Ratio	Lower	Upper
165	100		
63	58.9	40.4	60.6
89	73.2	57.3	85.9
182	2.5	1.9	2.9



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations APPROVED

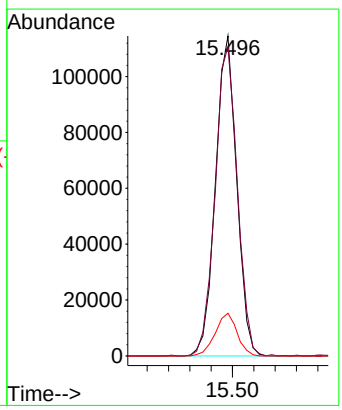
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

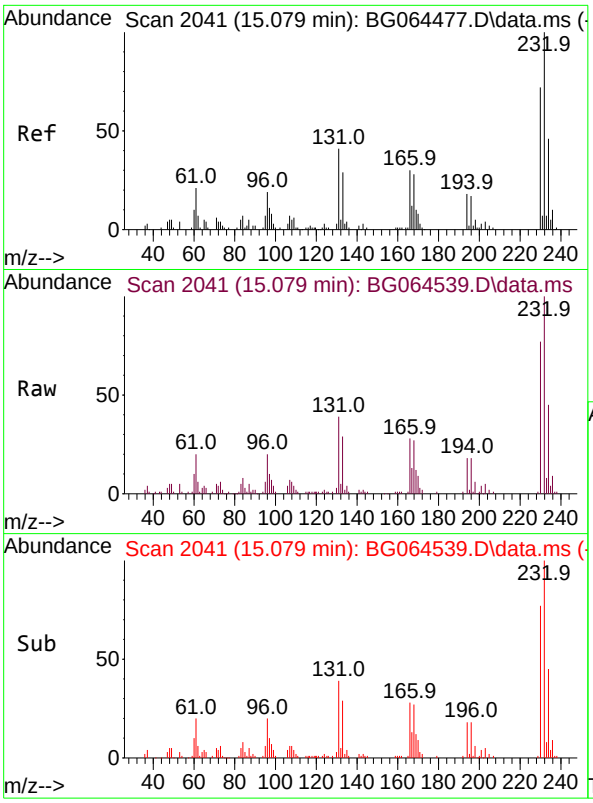


#58
Fluorene
Concen: 46.962 ng
RT: 15.496 min Scan# 2112
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:166 Resp: 158117

Ion	Ratio	Lower	Upper
166	100		
165	96.6	79.8	119.6
167	13.3	11.7	17.5

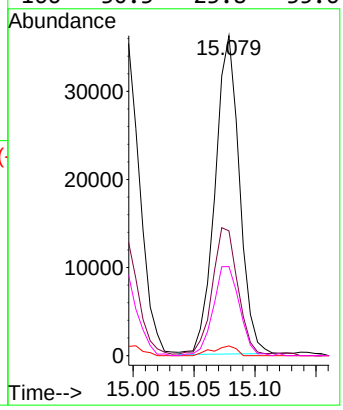




#59
2,3,4,6-Tetrachlorophenol
Concen: 48.195 ng
RT: 15.079 min Scan# 2
Delta R.T. 0.008 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:232 Resp: 5019

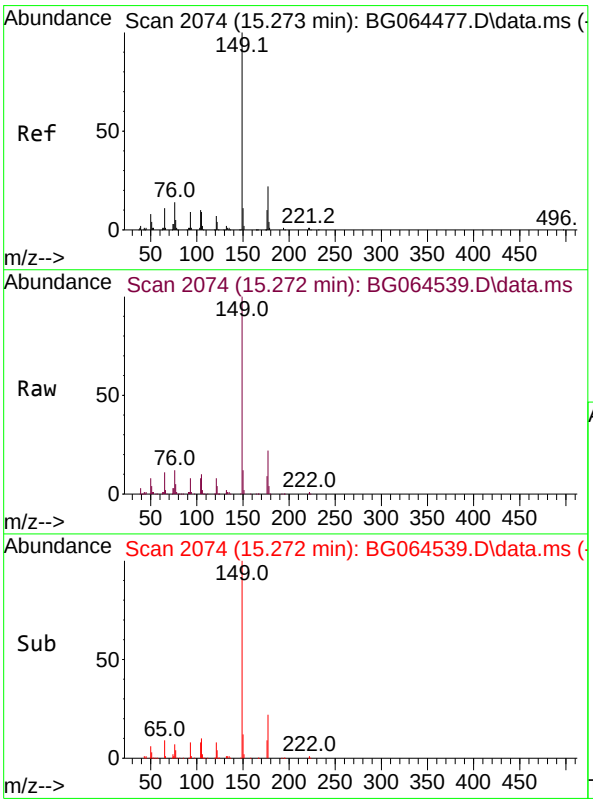
Ion	Ratio	Lower	Upper
232	100		
131	41.4	35.0	52.4
130	3.0	2.0	3.0
166	30.3	23.8	35.6



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

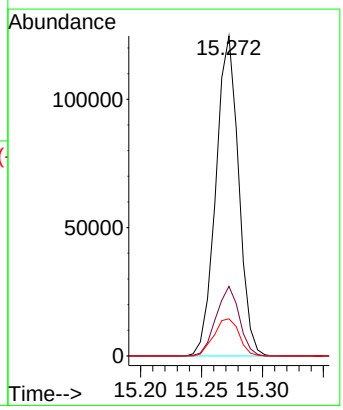
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

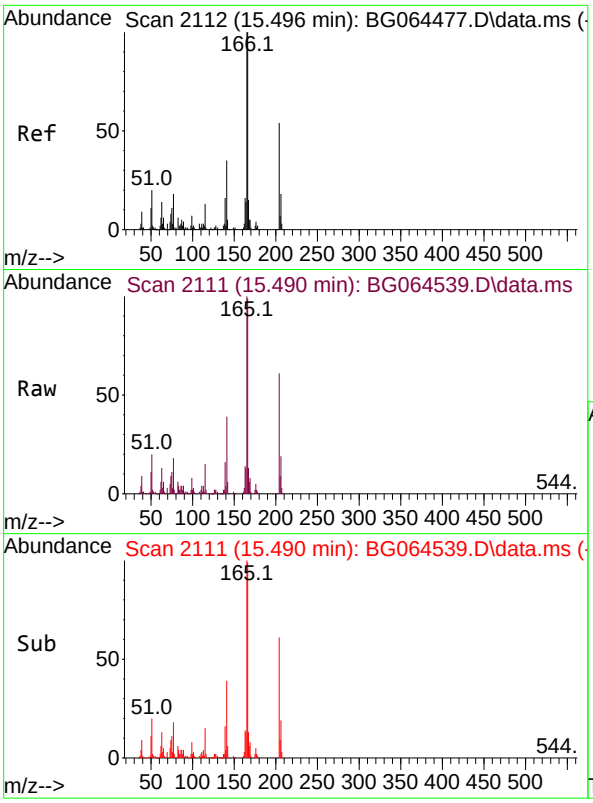


#60
Diethylphthalate
Concen: 43.500 ng
RT: 15.272 min Scan# 2074
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:149 Resp: 161869

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.4	26.0
150	11.6	9.1	13.7

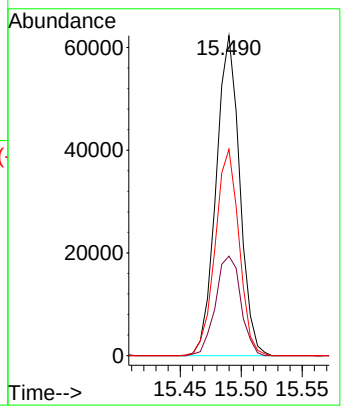




#61
4-Chlorophenyl-phenylether
Concen: 45.628 ng
RT: 15.490 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:204 Resp: 8387

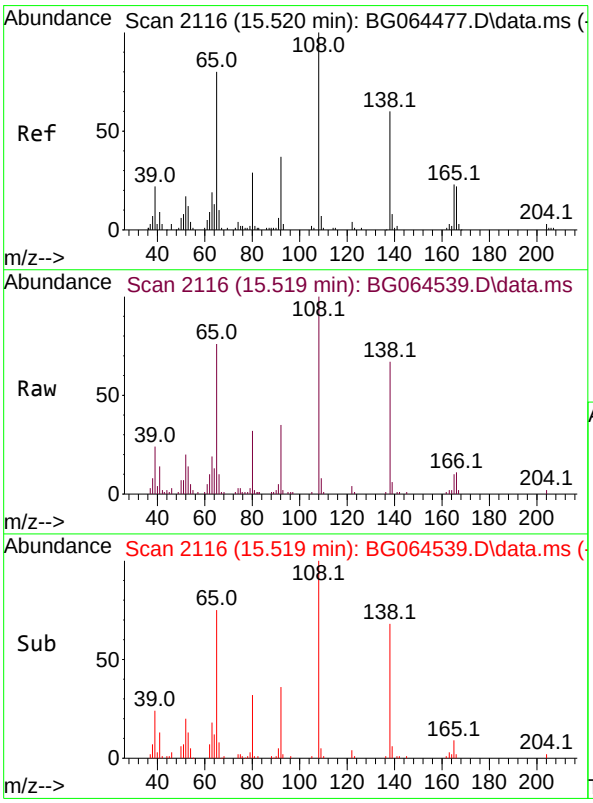
Ion	Ratio	Lower	Upper
204	100		
206	31.1	27.1	40.7
141	64.5	51.5	77.3



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

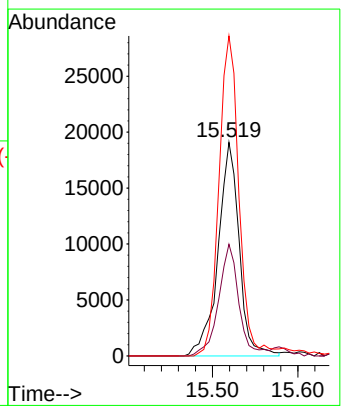
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

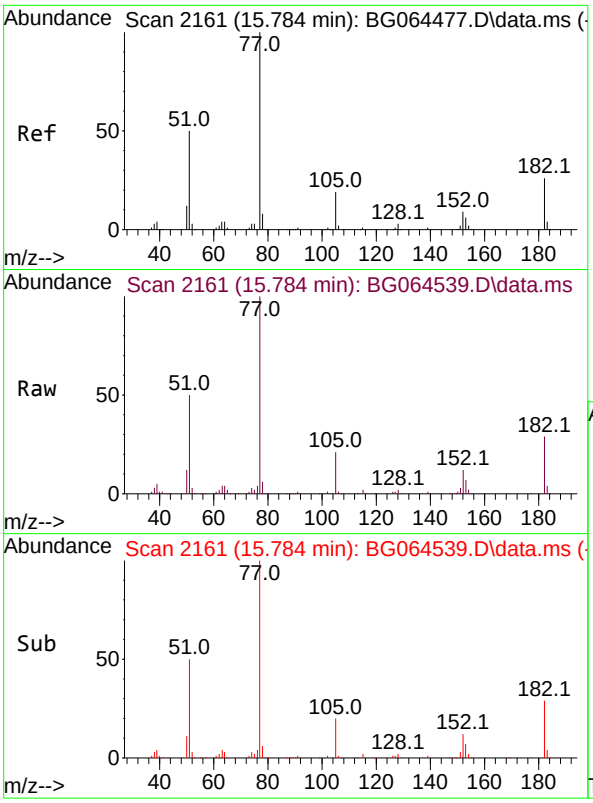


#62
4-Nitroaniline
Concen: 47.329 ng
RT: 15.519 min Scan# 2116
Delta R.T. 0.008 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:138 Resp: 32873

Ion	Ratio	Lower	Upper
138	100		
92	52.3	42.3	82.3
108	149.8	147.7	187.7

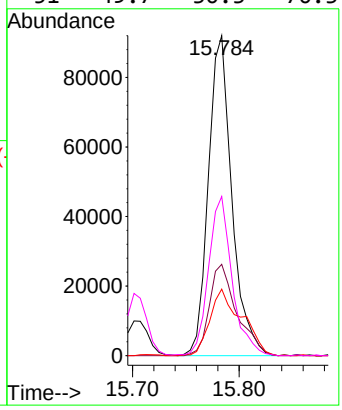




#63
Azobenzene
Concen: 48.972 ng
RT: 15.784 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion: 77 Resp: 14112

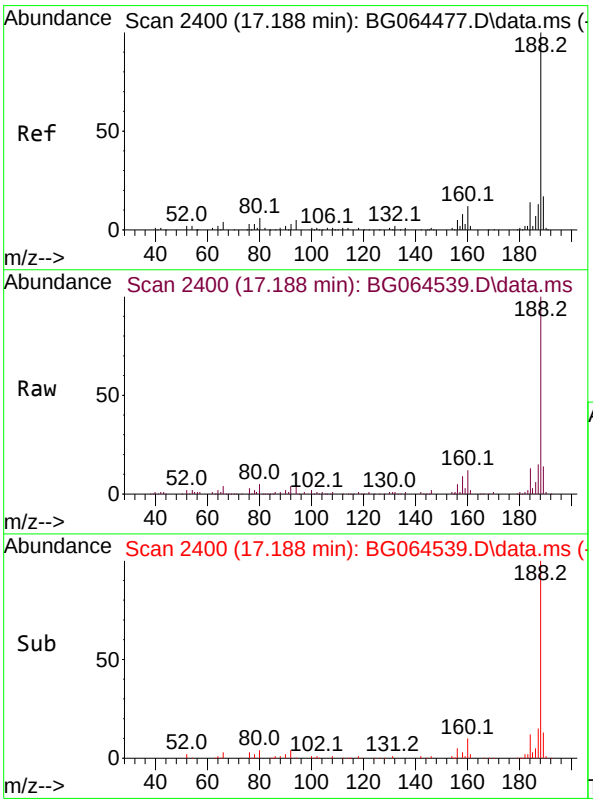
Ion	Ratio	Lower	Upper
77	100		
182	28.5	6.3	46.3
105	20.8	0.0	38.7
51	49.7	30.3	70.3



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

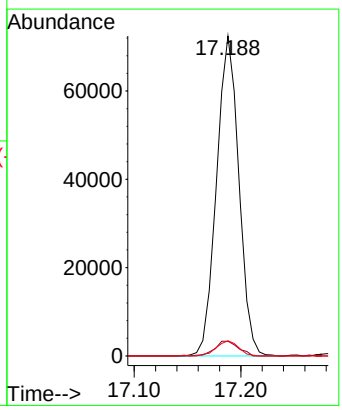
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

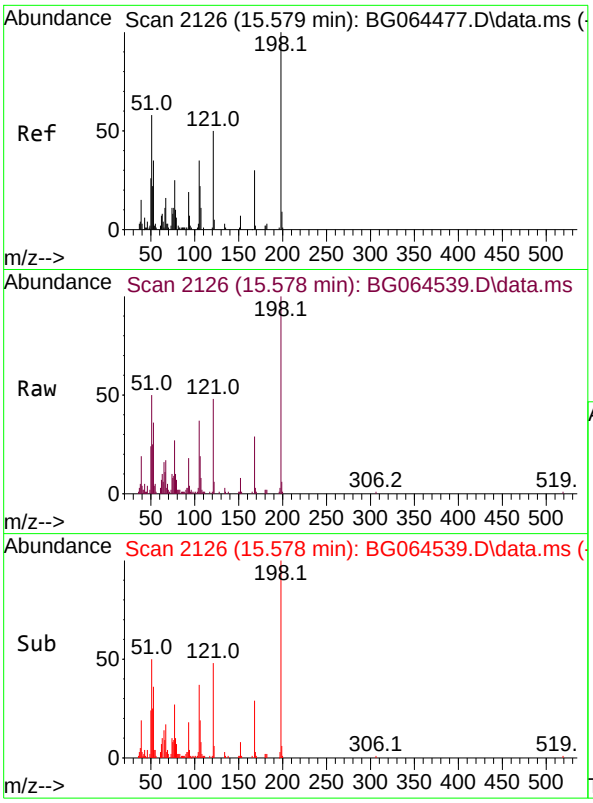


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.188 min Scan# 2400
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:188 Resp: 105365

Ion	Ratio	Lower	Upper
188	100		
94	4.6	3.7	5.5
80	4.7	4.5	6.7





#65
4,6-Dinitro-2-methylphenol
Concen: 47.598 ng
RT: 15.578 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

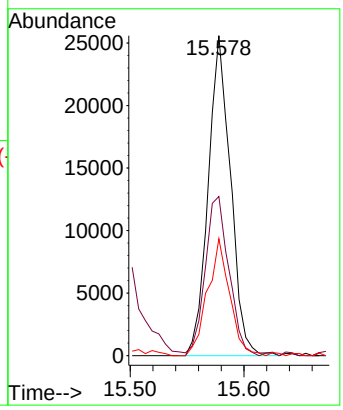
Tgt Ion:198 Resp: 3491

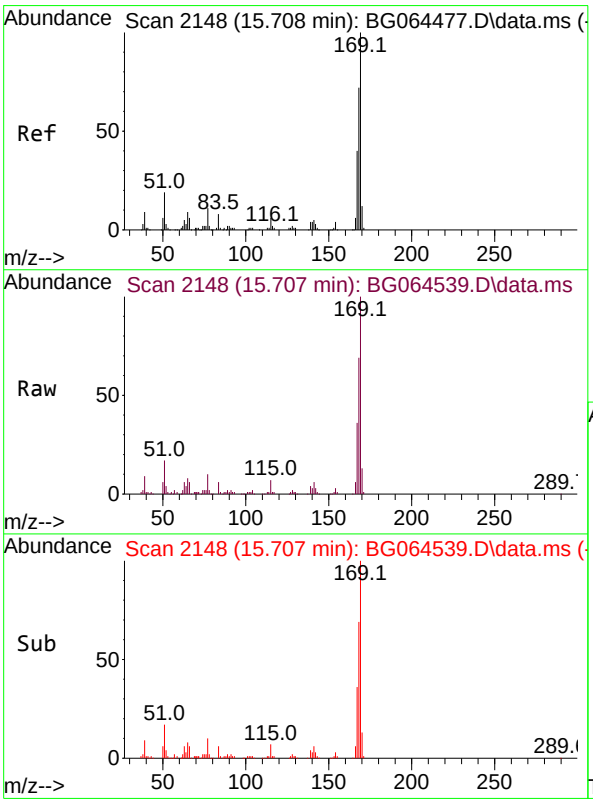
Ion	Ratio	Lower	Upper
198	100		
51	49.7	39.0	79.0
105	36.5	15.8	55.8

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

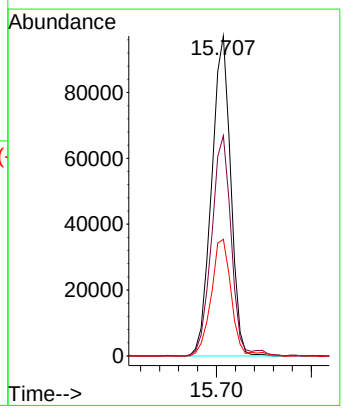


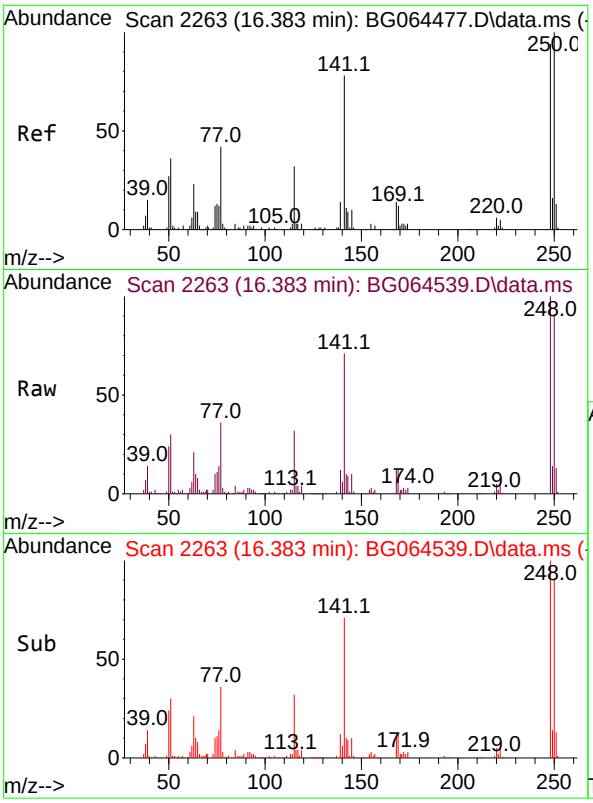


#66
n-Nitrosodiphenylamine
Concen: 48.089 ng
RT: 15.707 min Scan# 2148
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:169 Resp: 135307

Ion	Ratio	Lower	Upper
169	100		
168	68.8	57.8	86.6
167	36.4	31.7	47.5





#67
4-Bromophenyl-phenylether
Concen: 48.433 ng
RT: 16.383 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

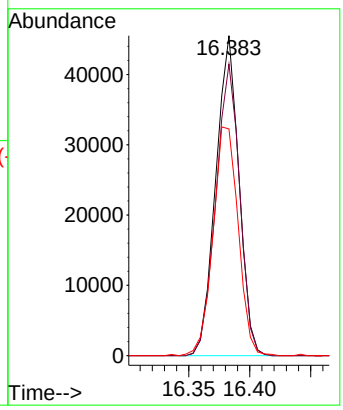
Tgt Ion:248 Resp: 6005

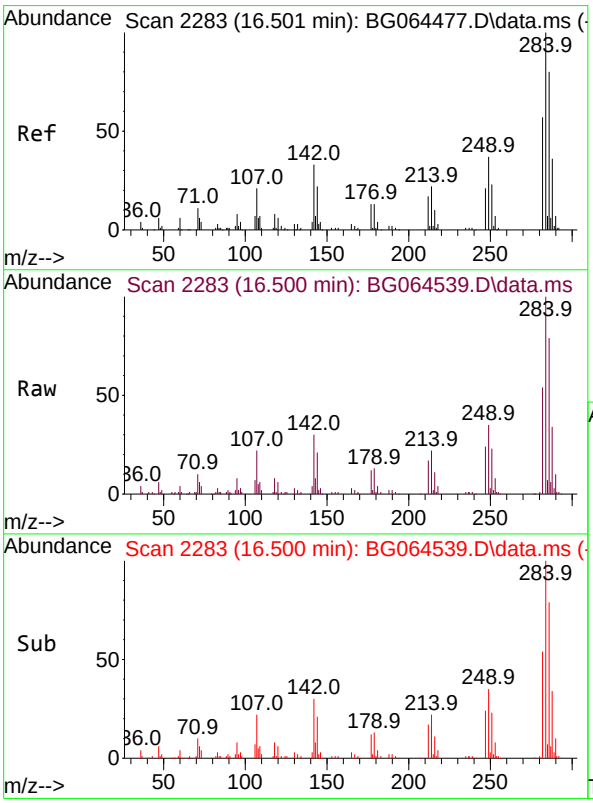
Ion	Ratio	Lower	Upper
248	100		
250	91.1	85.3	127.9
141	70.8	66.2	99.2

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

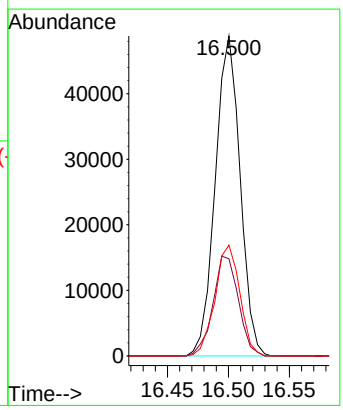


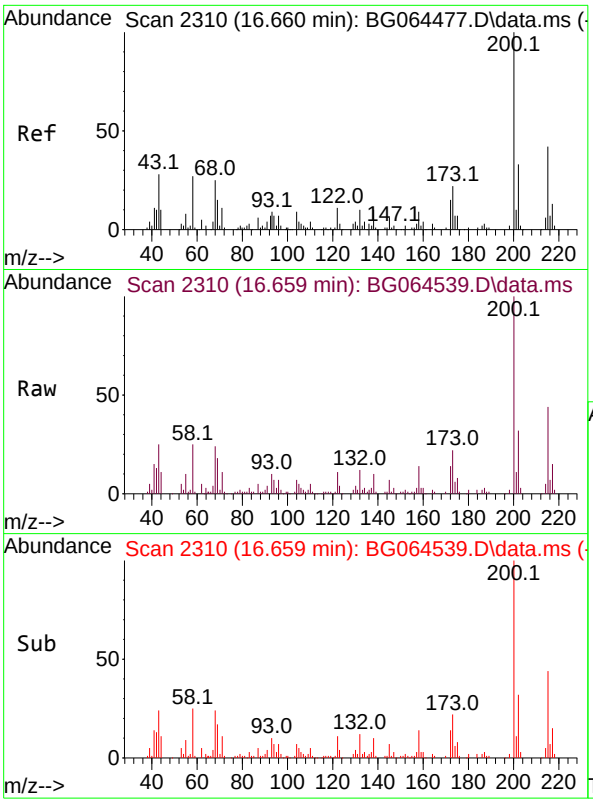


#68
Hexachlorobenzene
Concen: 48.727 ng
RT: 16.500 min Scan# 2283
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:284 Resp: 69134

Ion	Ratio	Lower	Upper
284	100		
142	30.3	26.2	39.2
249	34.6	29.4	44.0

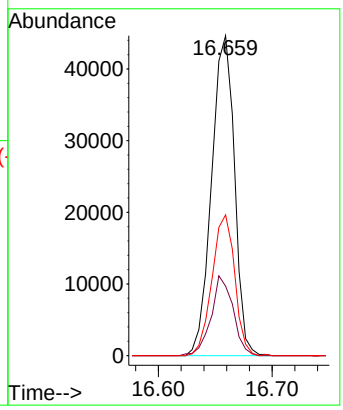




#69
Atrazine
Concen: 49.878 ng
RT: 16.659 min Scan# 2
Delta R.T. 0.008 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:200 Resp: 6243

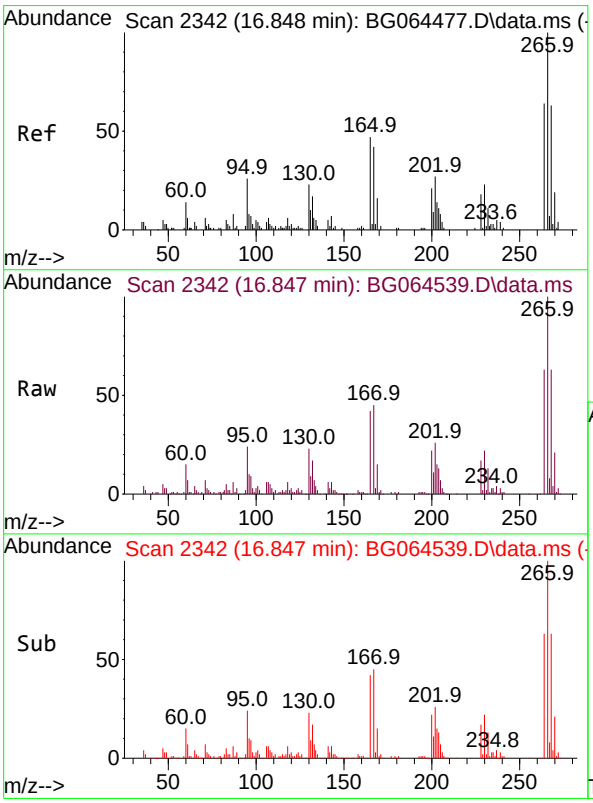
Ion	Ratio	Lower	Upper
200	100		
173	21.7	2.5	42.5
215	44.0	21.5	61.5



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

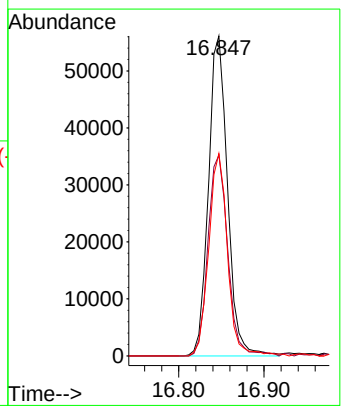
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

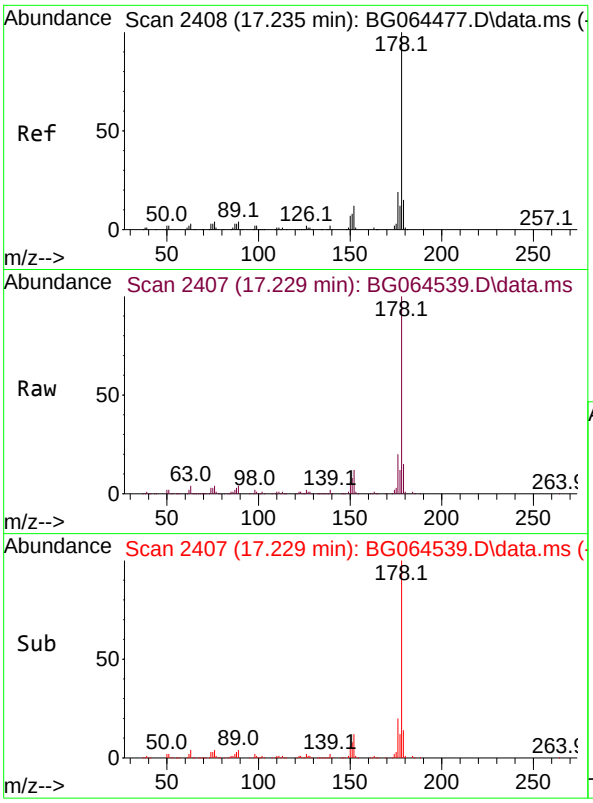


#70
Pentachlorophenol
Concen: 105.130 ng
RT: 16.847 min Scan# 2342
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:266 Resp: 87212

Ion	Ratio	Lower	Upper
266	100		
268	62.7	50.6	75.8
264	63.2	51.2	76.8

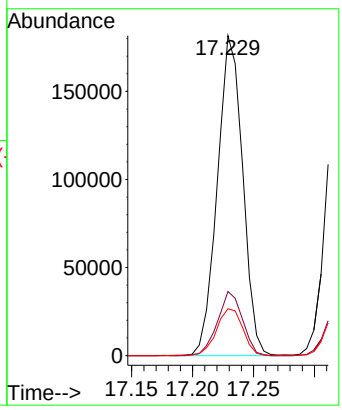




#71
Phenanthrene
Concen: 47.697 ng
RT: 17.229 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:178 Resp: 26281

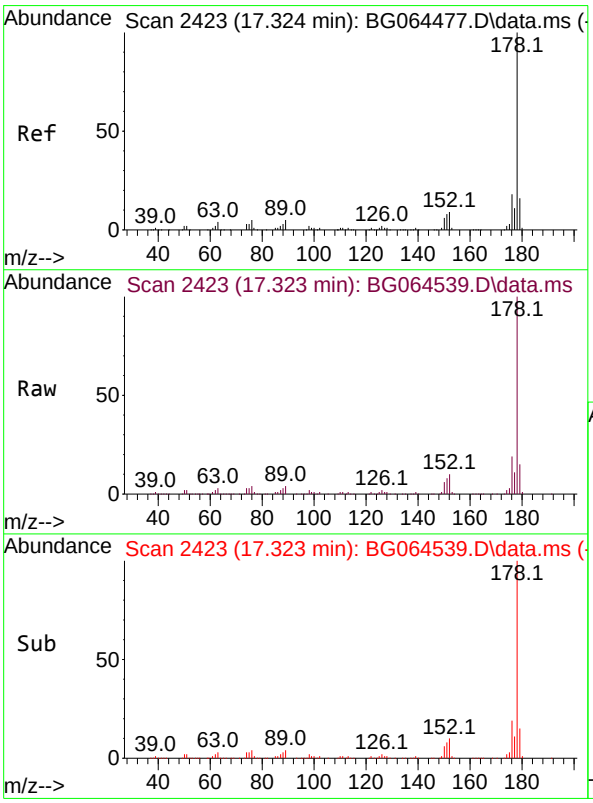
Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.2	22.8
179	14.6	11.8	17.6



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

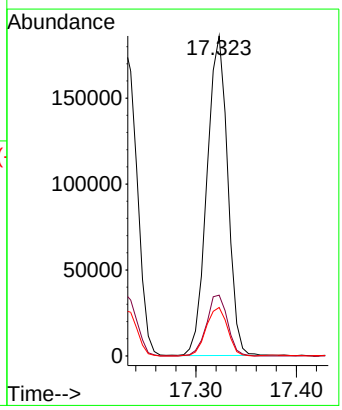
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

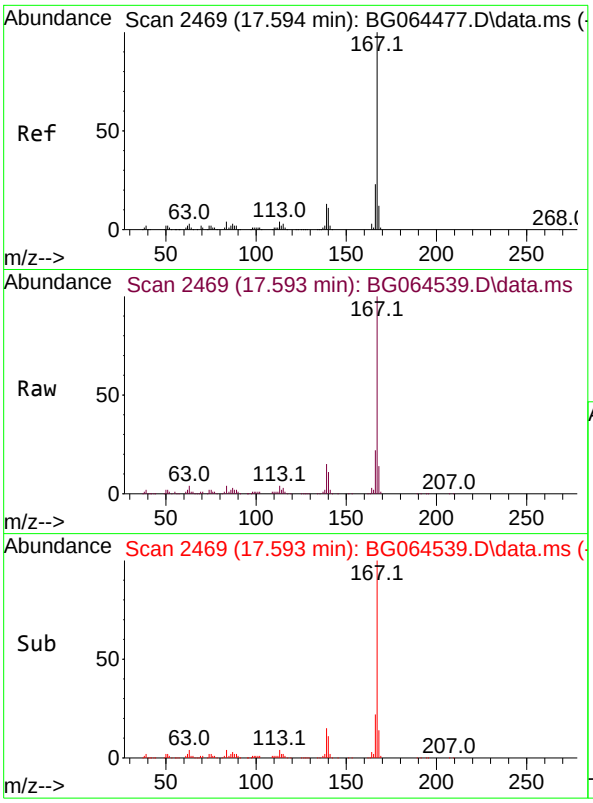


#72
Anthracene
Concen: 48.267 ng
RT: 17.323 min Scan# 2423
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:178 Resp: 266811

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.6	21.8
179	15.1	12.5	18.7





#73
Carbazole
Concen: 49.925 ng
RT: 17.593 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

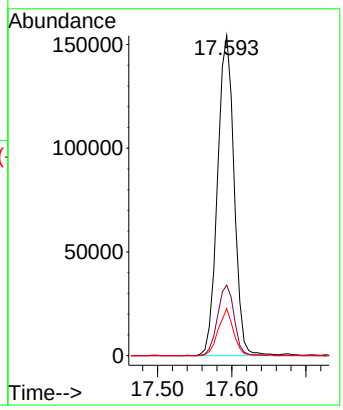
Tgt Ion:167 Resp: 23854

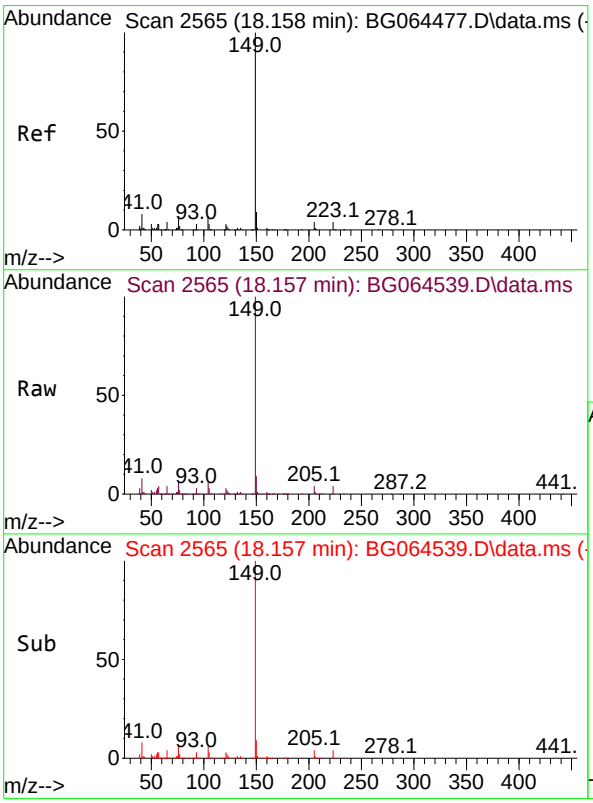
Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.6	27.8
139	14.7	10.2	15.4

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

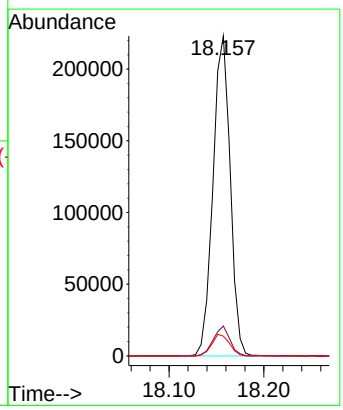


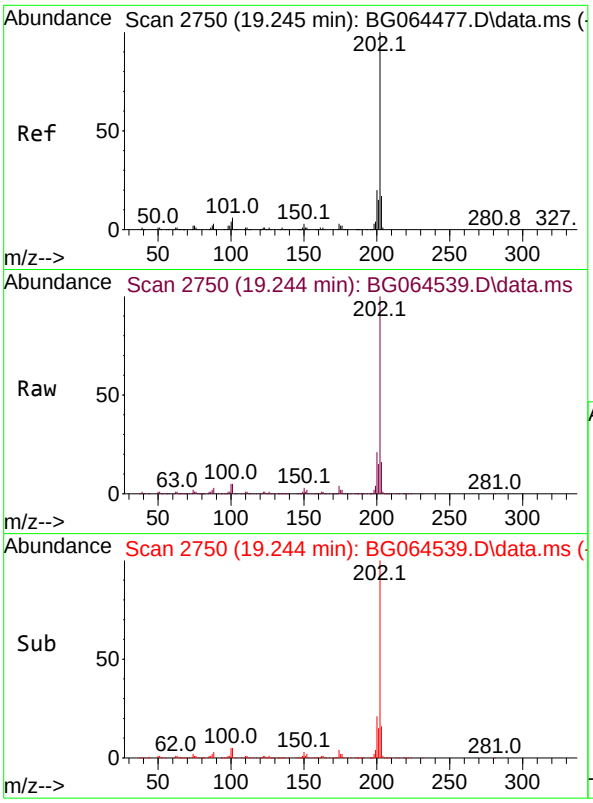


#74
Di-n-butylphthalate
Concen: 48.293 ng
RT: 18.157 min Scan# 2565
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:149 Resp: 281684

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	6.2	5.3	7.9

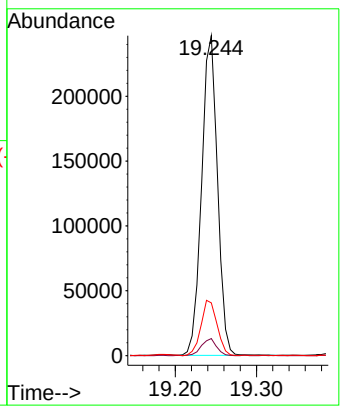




#75
Fluoranthene
Concen: 50.829 ng
RT: 19.244 min Scan# 2
Delta R.T. 0.008 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:202 Resp: 33459

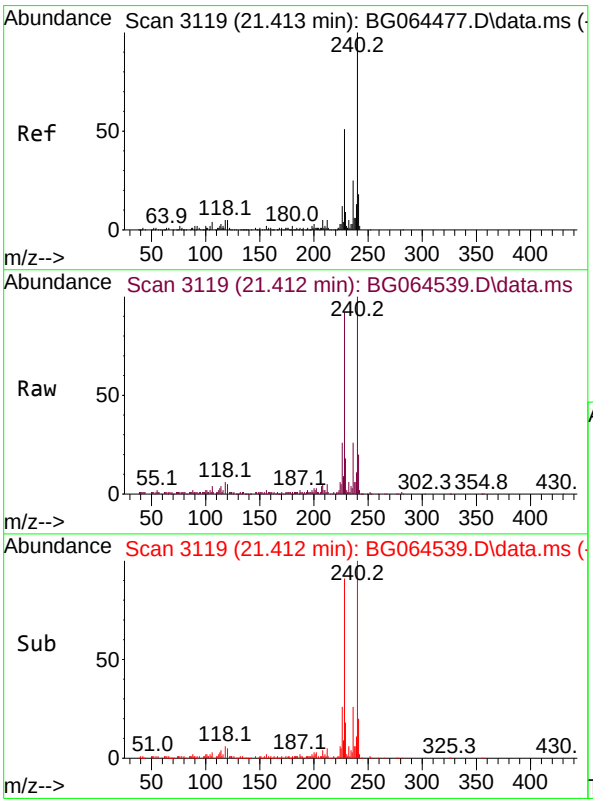
Ion	Ratio	Lower	Upper
202	100		
101	5.3	0.0	25.7
203	16.5	0.0	36.6



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

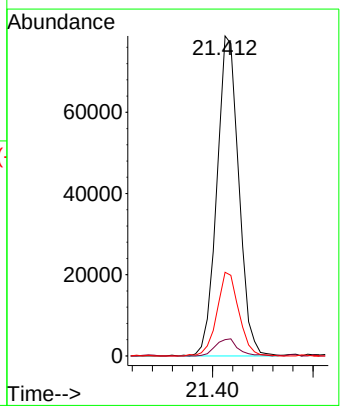
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

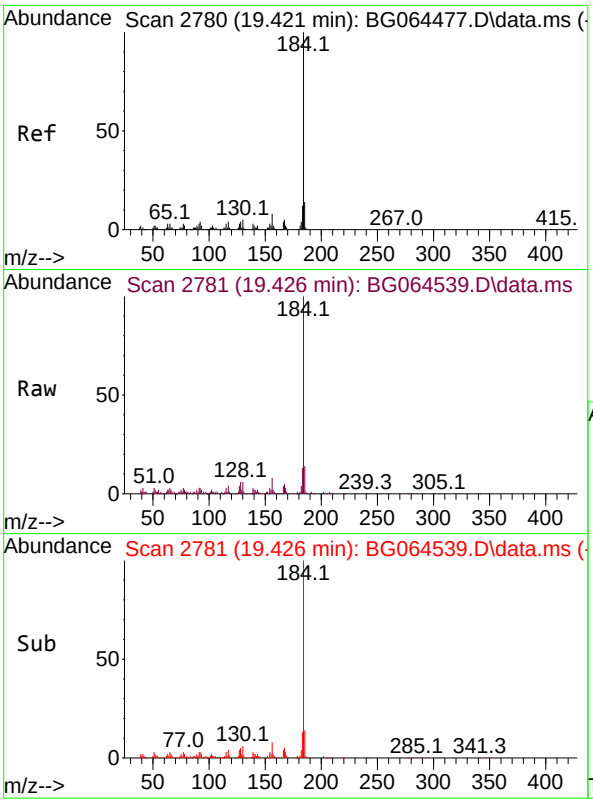


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.412 min Scan# 3119
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:240 Resp: 119699

Ion	Ratio	Lower	Upper
240	100		
120	5.1	4.3	6.5
236	26.1	20.4	30.6

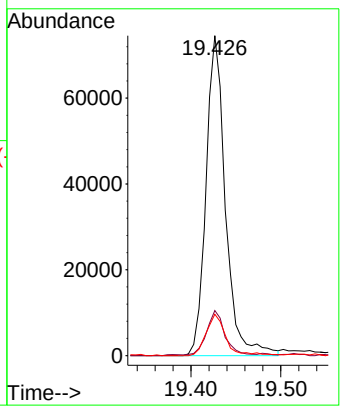




#77
Benzidine
Concen: 37.778 ng
RT: 19.426 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:184 Resp: 11252

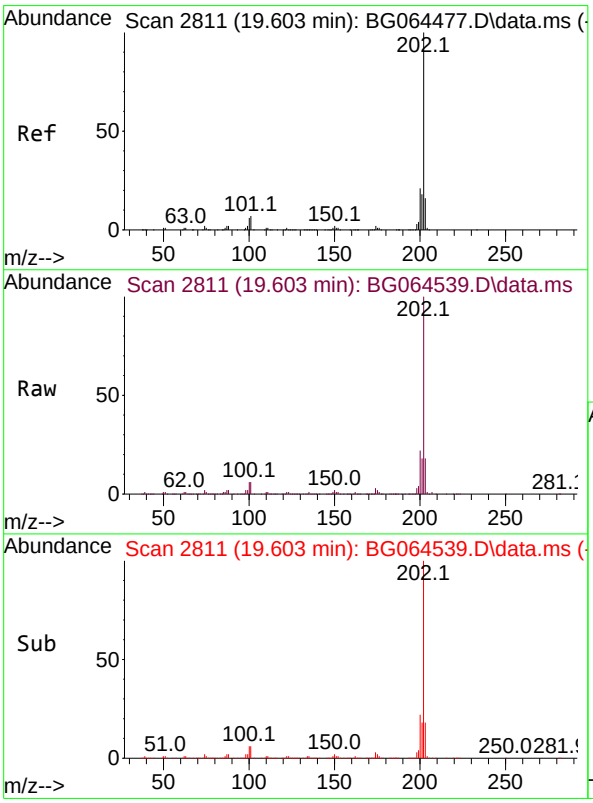
Ion	Ratio	Lower	Upper
184	100		
185	14.1	10.9	16.3
183	12.9	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations APPROVED

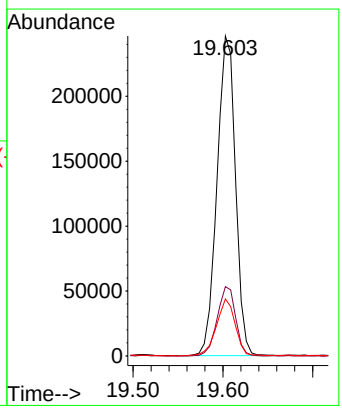
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

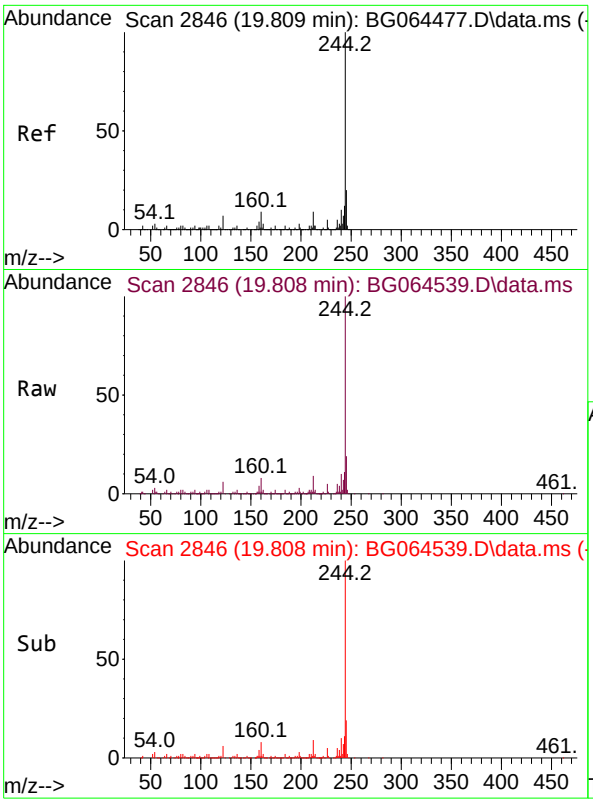


#78
Pyrene
Concen: 45.325 ng
RT: 19.603 min Scan# 2811
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:202 Resp: 352090

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.4
203	17.8	13.0	19.4





#79
Terphenyl-d14
Concen: 42.800 ng
RT: 19.808 min Scan# 28
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

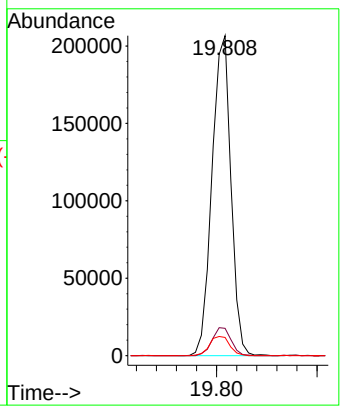
Tgt Ion:244 Resp: 27070

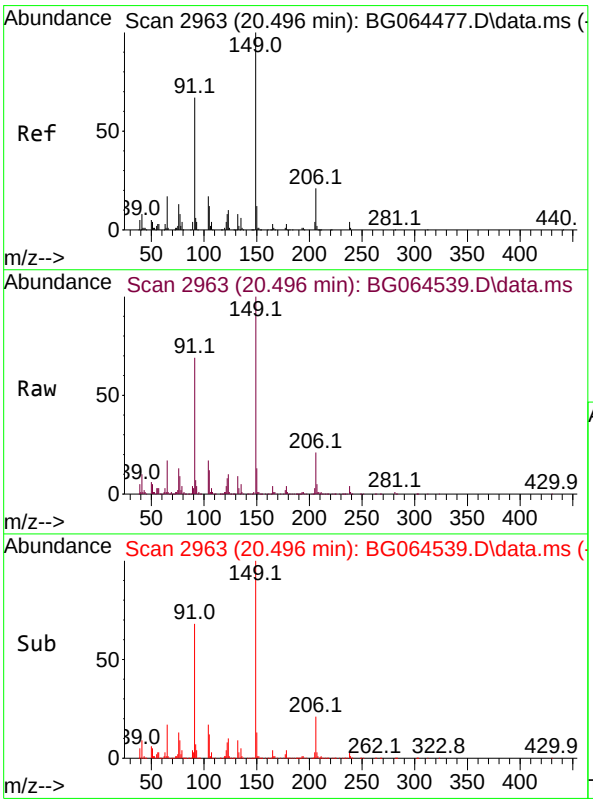
Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.0	10.6
122	5.7	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

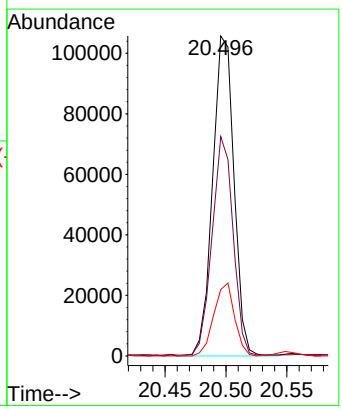


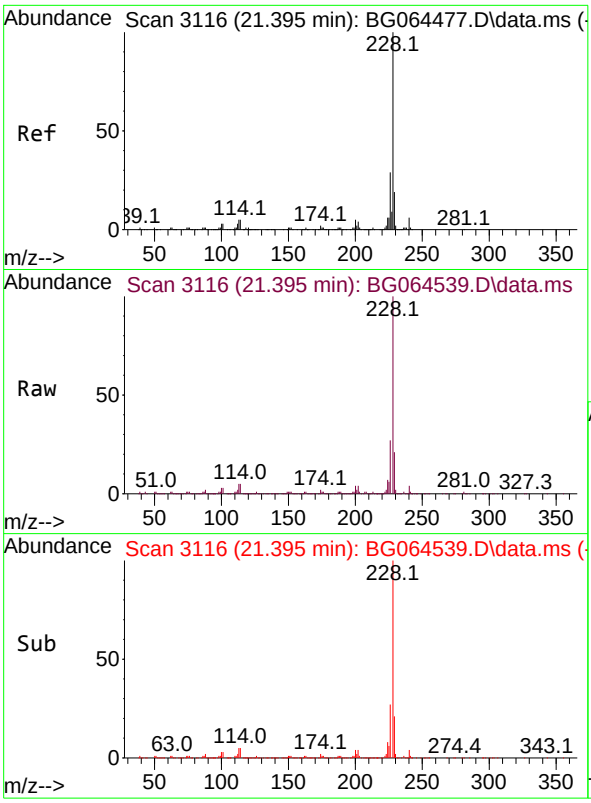


#80
Butylbenzylphthalate
Concen: 46.889 ng
RT: 20.496 min Scan# 2963
Delta R.T. -0.004 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:149 Resp: 129118

Ion	Ratio	Lower	Upper
149	100		
91	68.5	53.7	80.5
206	20.7	16.6	24.8

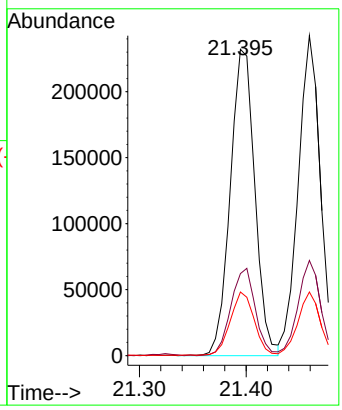




#81
Benzo(a)anthracene
Concen: 48.705 ng
RT: 21.395 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:228 Resp: 37224

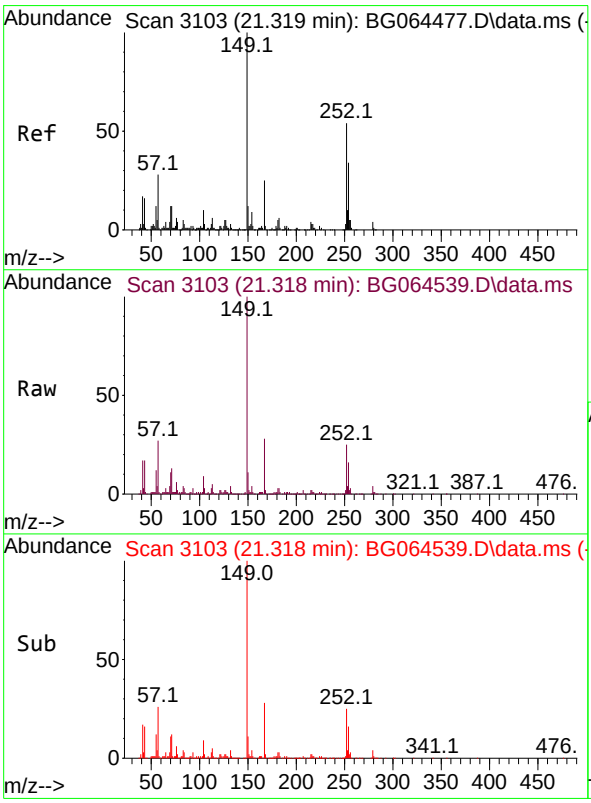
Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.8	34.2
229	20.8	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations APPROVED

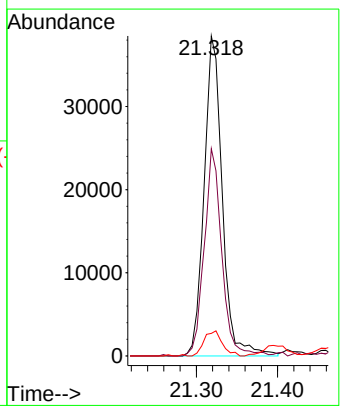
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

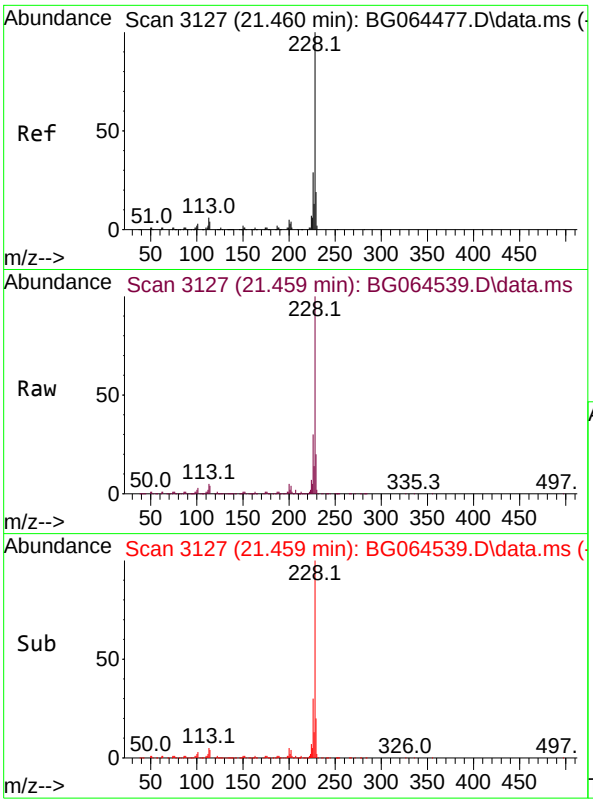


#82
3,3'-Dichlorobenzidine
Concen: 23.171 ng
RT: 21.318 min Scan# 3103
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:252 Resp: 59938

Ion	Ratio	Lower	Upper
252	100		
254	64.7	50.5	75.7
126	7.0	7.1	10.7#

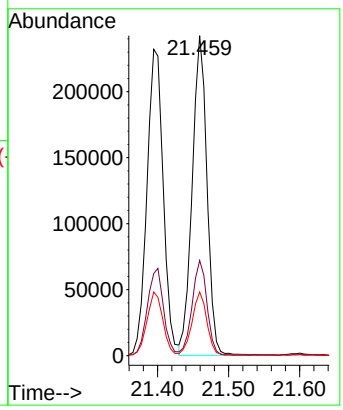




#83
Chrysene
Concen: 48.291 ng
RT: 21.459 min Scan# 3
Delta R.T. 0.008 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:228 Resp: 35002

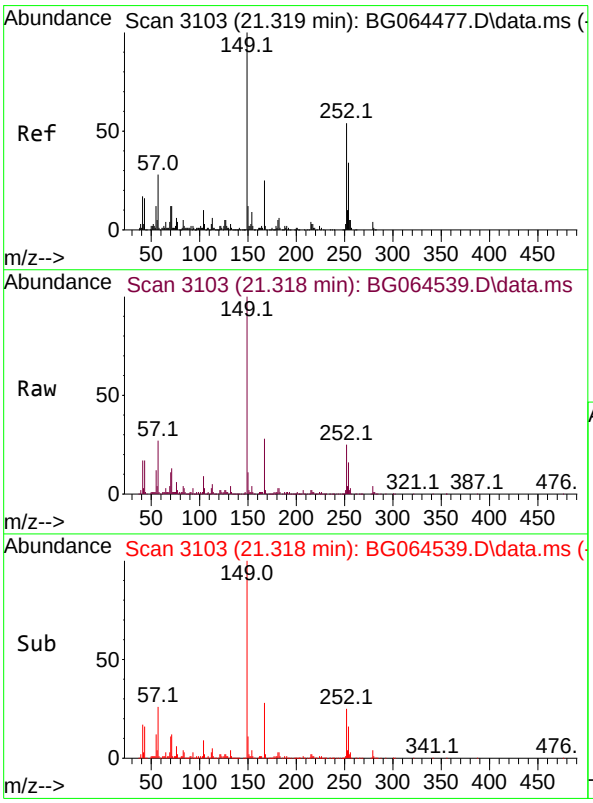
Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.8	34.2
229	19.9	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

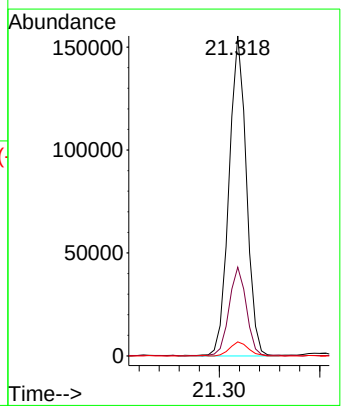
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

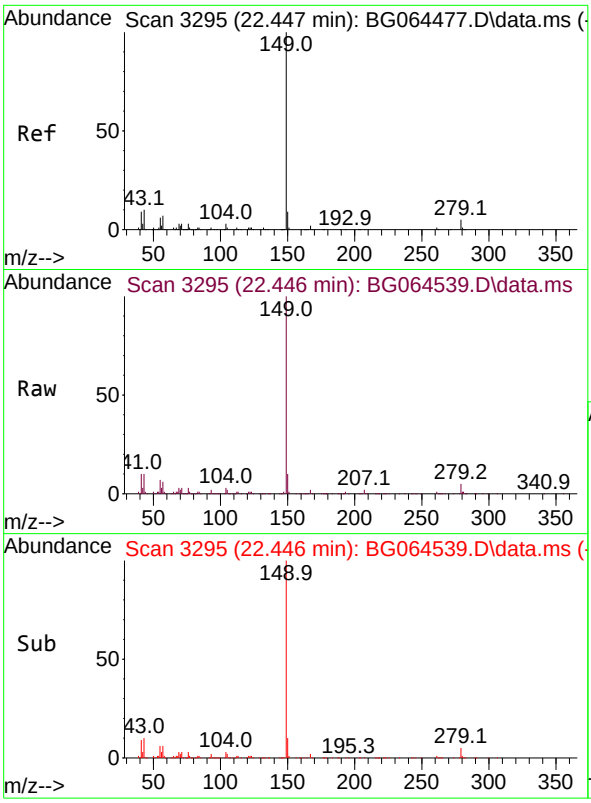


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.214 ng
RT: 21.318 min Scan# 3103
Delta R.T. 0.002 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:149 Resp: 187329

Ion	Ratio	Lower	Upper
149	100		
167	27.7	19.7	29.5
279	4.4	3.4	5.2





#85
Di-n-octyl phthalate
Concen: 48.019 ng
RT: 22.446 min Scan# 3
Delta R.T. 0.008 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

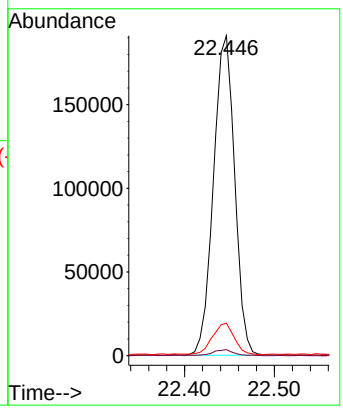
Tgt Ion:149 Resp: 31356

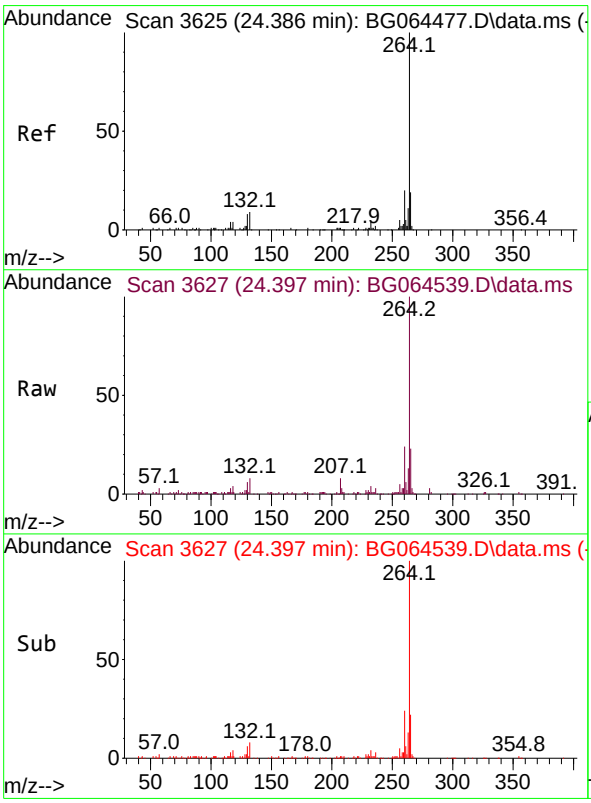
Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.4	2.0
43	10.2	7.9	11.9

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

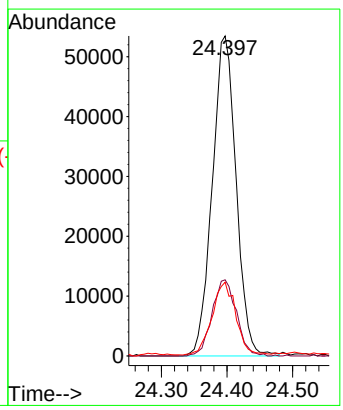


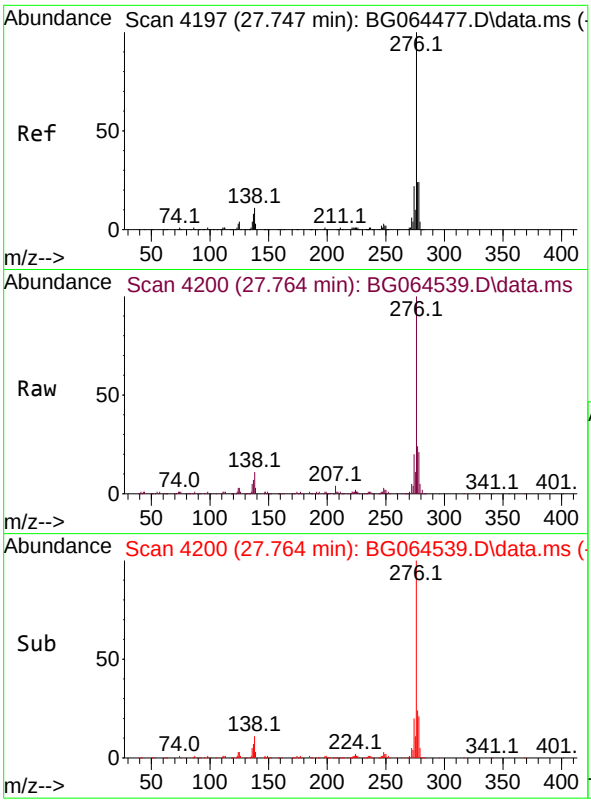


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3627
Delta R.T. 0.008 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:264 Resp: 135091

Ion	Ratio	Lower	Upper
264	100		
260	23.8	16.2	24.4
265	23.0	15.0	22.4#

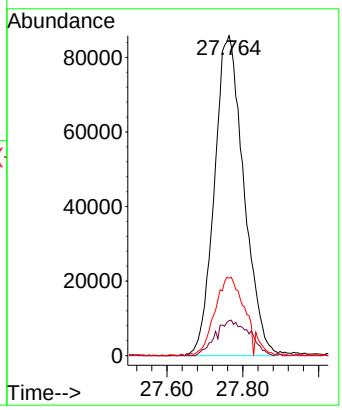




#87
Indeno(1,2,3-cd)pyrene
Concen: 49.084 ng
RT: 27.764 min Scan# 4
Delta R.T. 0.031 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:276 Resp: 46154

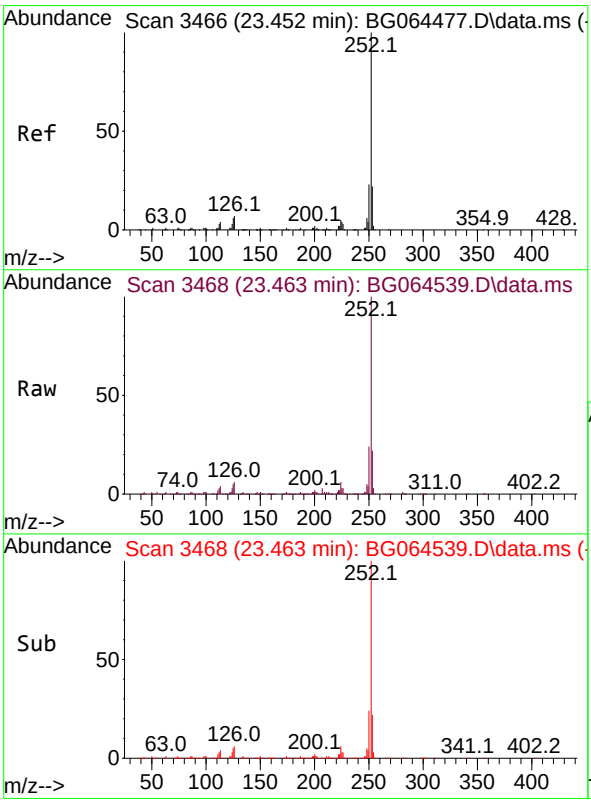
Ion	Ratio	Lower	Upper
276	100		
138	12.8	10.8	16.2
277	23.9	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

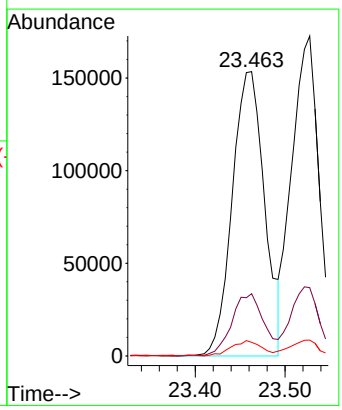
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

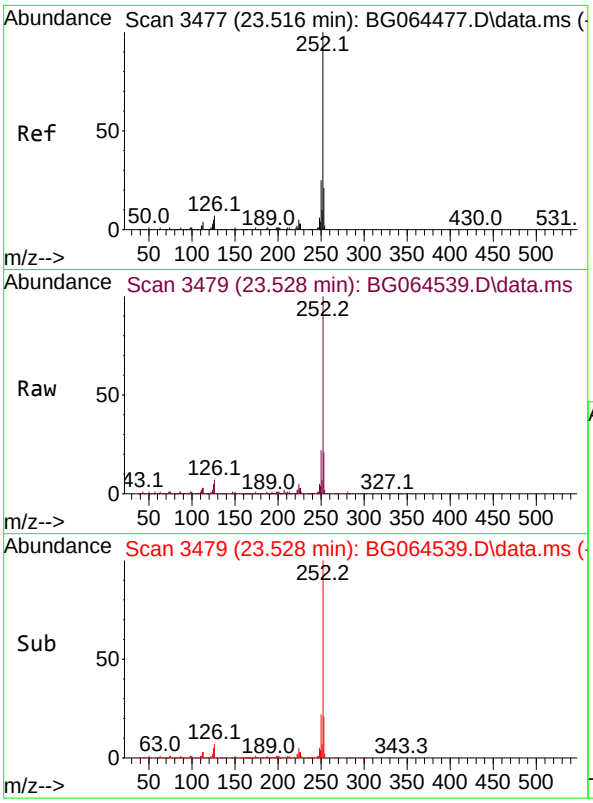


#88
Benzo(b)fluoranthene
Concen: 49.912 ng
RT: 23.463 min Scan# 3468
Delta R.T. 0.014 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:252 Resp: 383587

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	4.8	4.5	6.7





#89
Benzo(k)fluoranthene
Concen: 47.311 ng
RT: 23.528 min Scan# 34
Delta R.T. 0.020 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

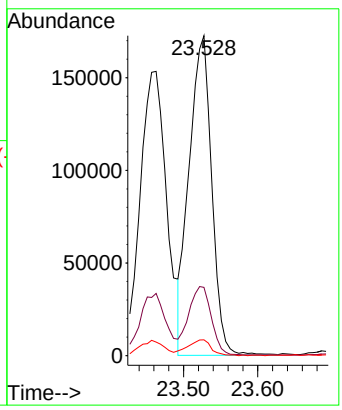
Tgt Ion:252 Resp: 36620

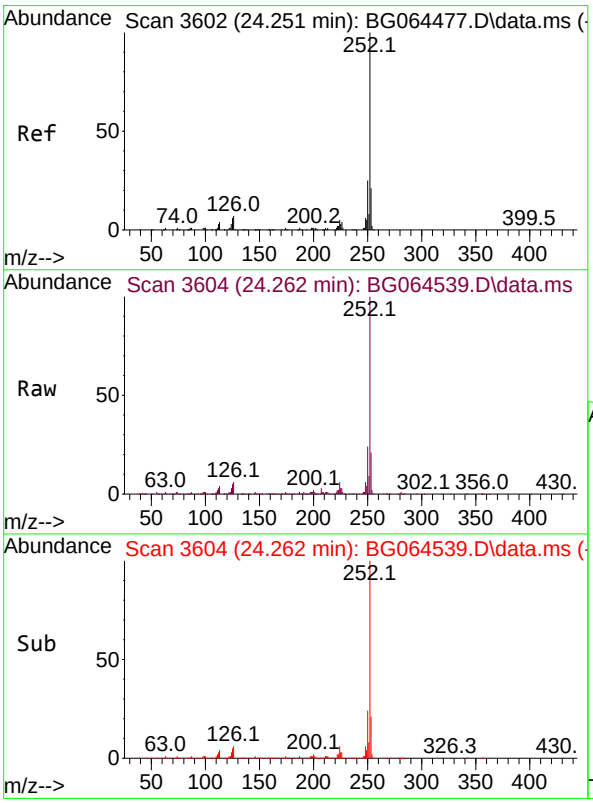
Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.2
125	4.9	4.0	6.0

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

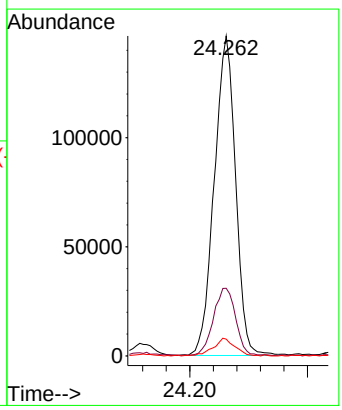


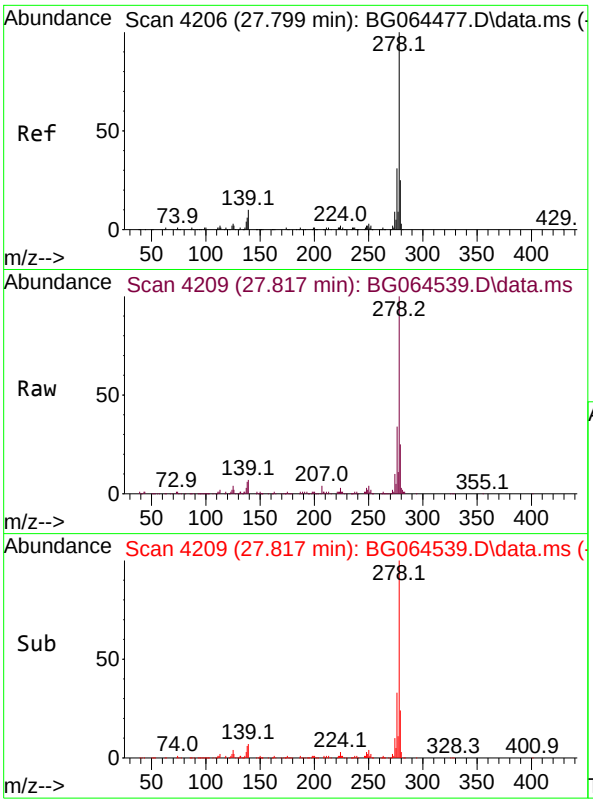


#90
Benzo(a)pyrene
Concen: 51.958 ng
RT: 24.262 min Scan# 3604
Delta R.T. 0.014 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:252 Resp: 368019

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.1	25.7
125	5.2	4.6	6.8

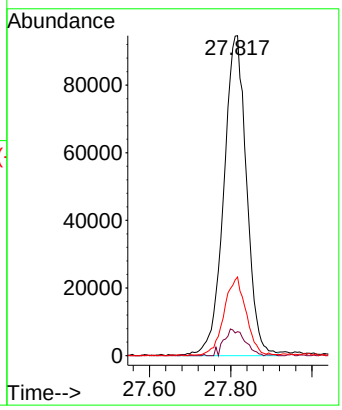




#91
Dibenzo(a,h)anthracene
Concen: 49.001 ng
RT: 27.817 min Scan# 4
Delta R.T. 0.037 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:278 Resp: 36848

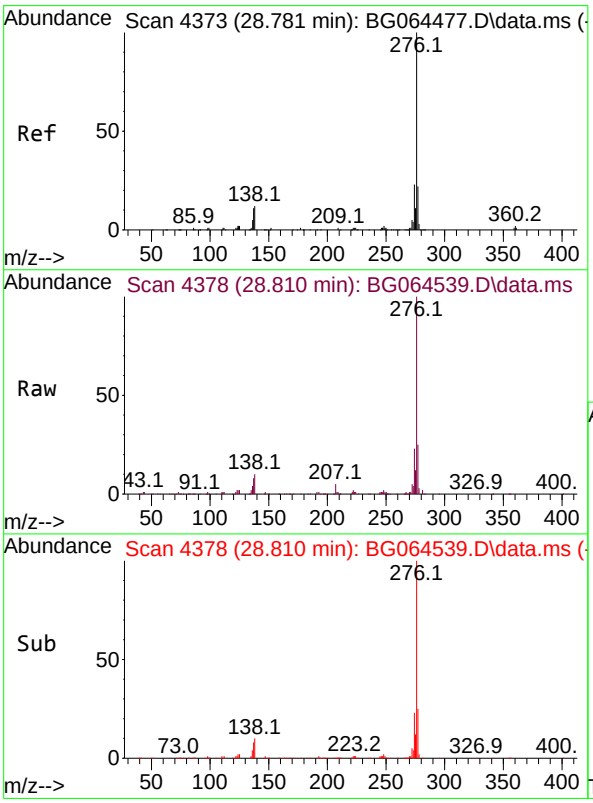
Ion	Ratio	Lower	Upper
278	100		
139	7.5	8.2	12.2
279	24.6	19.6	29.4



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MS

Manual Integrations
APPROVED

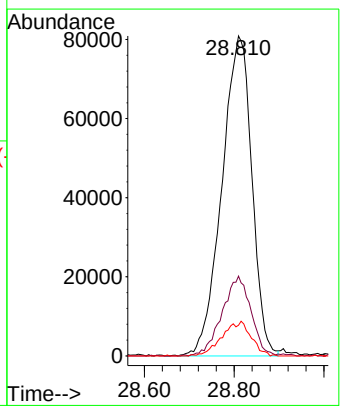
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#92
Benzo(g,h,i)perylene
Concen: 51.406 ng
RT: 28.810 min Scan# 4378
Delta R.T. 0.043 min
Lab File: BG064539.D
Acq: 17 Oct 2025 17:10

Tgt Ion:276 Resp: 375662

Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.8	26.6
138	9.6	9.4	14.0



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015MSD	SDG No.:	Q3363
Lab Sample ID:	Q3363-05MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1600		1	280	590	ug/Kg	10/17/25 17:51	PB170144
108-95-2	Phenol	3400		1	39.8	310	ug/Kg	10/17/25 17:51	PB170144
111-44-4	bis(2-Chloroethyl)ether	3200		1	43.8	310	ug/Kg	10/17/25 17:51	PB170144
95-57-8	2-Chlorophenol	3500		1	44.0	310	ug/Kg	10/17/25 17:51	PB170144
95-48-7	2-Methylphenol	3500		1	53.9	310	ug/Kg	10/17/25 17:51	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	3000		1	67.6	310	ug/Kg	10/17/25 17:51	PB170144
98-86-2	Acetophenone	3800		1	53.2	310	ug/Kg	10/17/25 17:51	PB170144
65794-96-9	3+4-Methylphenols	3400		1	74.1	590	ug/Kg	10/17/25 17:51	PB170144
621-64-7	n-Nitroso-di-n-propylamine	3200		1	85.4	140	ug/Kg	10/17/25 17:51	PB170144
67-72-1	Hexachloroethane	3400		1	31.7	310	ug/Kg	10/17/25 17:51	PB170144
98-95-3	Nitrobenzene	3400		1	33.0	310	ug/Kg	10/17/25 17:51	PB170144
78-59-1	Isophorone	3200		1	59.1	310	ug/Kg	10/17/25 17:51	PB170144
88-75-5	2-Nitrophenol	3400		1	100	310	ug/Kg	10/17/25 17:51	PB170144
105-67-9	2,4-Dimethylphenol	3900		1	120	310	ug/Kg	10/17/25 17:51	PB170144
111-91-1	bis(2-Chloroethoxy)methane	3300		1	55.5	310	ug/Kg	10/17/25 17:51	PB170144
120-83-2	2,4-Dichlorophenol	3600		1	51.0	310	ug/Kg	10/17/25 17:51	PB170144
91-20-3	Naphthalene	3500		1	40.9	310	ug/Kg	10/17/25 17:51	PB170144
106-47-8	4-Chloroaniline	1300		1	63.8	310	ug/Kg	10/17/25 17:51	PB170144
87-68-3	Hexachlorobutadiene	3600		1	45.6	310	ug/Kg	10/17/25 17:51	PB170144
105-60-2	Caprolactam	3200		1	93.9	590	ug/Kg	10/17/25 17:51	PB170144
59-50-7	4-Chloro-3-methylphenol	3500		1	51.7	310	ug/Kg	10/17/25 17:51	PB170144
91-57-6	2-Methylnaphthalene	3000		1	46.1	310	ug/Kg	10/17/25 17:51	PB170144
77-47-4	Hexachlorocyclopentadiene	8800	E	1	210	590	ug/Kg	10/17/25 17:51	PB170144
88-06-2	2,4,6-Trichlorophenol	3500		1	35.7	310	ug/Kg	10/17/25 17:51	PB170144
95-95-4	2,4,5-Trichlorophenol	3400		1	52.5	310	ug/Kg	10/17/25 17:51	PB170144
92-52-4	1,1-Biphenyl	3600		1	39.3	310	ug/Kg	10/17/25 17:51	PB170144
91-58-7	2-Chloronaphthalene	3300		1	40.6	310	ug/Kg	10/17/25 17:51	PB170144
88-74-4	2-Nitroaniline	3300		1	86.7	310	ug/Kg	10/17/25 17:51	PB170144
131-11-3	Dimethylphthalate	3100		1	48.9	310	ug/Kg	10/17/25 17:51	PB170144
208-96-8	Acenaphthylene	3800		1	52.1	310	ug/Kg	10/17/25 17:51	PB170144
606-20-2	2,6-Dinitrotoluene	3300		1	60.6	310	ug/Kg	10/17/25 17:51	PB170144
99-09-2	3-Nitroaniline	2000		1	82.9	310	ug/Kg	10/17/25 17:51	PB170144
83-32-9	Acenaphthene	3200		1	38.4	310	ug/Kg	10/17/25 17:51	PB170144
51-28-5	2,4-Dinitrophenol	5700	E	1	410	590	ug/Kg	10/17/25 17:51	PB170144
100-02-7	4-Nitrophenol	6700	E	1	190	590	ug/Kg	10/17/25 17:51	PB170144
132-64-9	Dibenzofuran	3300		1	40.9	310	ug/Kg	10/17/25 17:51	PB170144
121-14-2	2,4-Dinitrotoluene	3300		1	90.3	310	ug/Kg	10/17/25 17:51	PB170144
84-66-2	Diethylphthalate	3100		1	51.0	310	ug/Kg	10/17/25 17:51	PB170144
7005-72-3	4-Chlorophenyl-phenylether	3200		1	48.1	310	ug/Kg	10/17/25 17:51	PB170144
86-73-7	Fluorene	3400		1	45.6	310	ug/Kg	10/17/25 17:51	PB170144
100-01-6	4-Nitroaniline	3300		1	120	310	ug/Kg	10/17/25 17:51	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	3400		1	190	590	ug/Kg	10/17/25 17:51	PB170144

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015MSD	SDG No.:	Q3363
Lab Sample ID:	Q3363-05MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	3600		1	59.3	310	ug/Kg	10/17/25 17:51	PB170144
101-55-3	4-Bromophenyl-phenylether	3500		1	50.1	310	ug/Kg	10/17/25 17:51	PB170144
118-74-1	Hexachlorobenzene	3500		1	45.6	310	ug/Kg	10/17/25 17:51	PB170144
1912-24-9	Atrazine	3700		1	61.3	310	ug/Kg	10/17/25 17:51	PB170144
87-86-5	Pentachlorophenol	7600	E	1	92.5	590	ug/Kg	10/17/25 17:51	PB170144
85-01-8	Phenanthrene	3400		1	37.7	310	ug/Kg	10/17/25 17:51	PB170144
120-12-7	Anthracene	3500		1	60.0	310	ug/Kg	10/17/25 17:51	PB170144
86-74-8	Carbazole	3600		1	56.2	310	ug/Kg	10/17/25 17:51	PB170144
84-74-2	Di-n-butylphthalate	3500		1	86.3	310	ug/Kg	10/17/25 17:51	PB170144
206-44-0	Fluoranthene	3700		1	54.1	310	ug/Kg	10/17/25 17:51	PB170144
129-00-0	Pyrene	3400		1	64.9	310	ug/Kg	10/17/25 17:51	PB170144
85-68-7	Butylbenzylphthalate	3400		1	130	310	ug/Kg	10/17/25 17:51	PB170144
91-94-1	3,3-Dichlorobenzidine	1600		1	66.2	590	ug/Kg	10/17/25 17:51	PB170144
56-55-3	Benzo(a)anthracene	3700		1	41.5	310	ug/Kg	10/17/25 17:51	PB170144
218-01-9	Chrysene	3600		1	35.9	310	ug/Kg	10/17/25 17:51	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	3600		1	110	310	ug/Kg	10/17/25 17:51	PB170144
117-84-0	Di-n-octyl phthalate	3500		1	160	590	ug/Kg	10/17/25 17:51	PB170144
205-99-2	Benzo(b)fluoranthene	3500		1	34.3	310	ug/Kg	10/17/25 17:51	PB170144
207-08-9	Benzo(k)fluoranthene	3500		1	40.4	310	ug/Kg	10/17/25 17:51	PB170144
50-32-8	Benzo(a)pyrene	3800		1	53.2	310	ug/Kg	10/17/25 17:51	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	3500		1	52.5	310	ug/Kg	10/17/25 17:51	PB170144
53-70-3	Dibenzo(a,h)anthracene	3600		1	49.4	310	ug/Kg	10/17/25 17:51	PB170144
191-24-2	Benzo(g,h,i)perylene	3800		1	46.3	310	ug/Kg	10/17/25 17:51	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	3700		1	46.1	310	ug/Kg	10/17/25 17:51	PB170144
123-91-1	1,4-Dioxane	2700		1	81.5	310	ug/Kg	10/17/25 17:51	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	3500		1	49.4	310	ug/Kg	10/17/25 17:51	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	100			18 - 112	67%	SPK: 150		
13127-88-3	Phenol-d6	95.3			15 - 107	64%	SPK: 150		
4165-60-0	Nitrobenzene-d5	59.1			18 - 107	59%	SPK: 100		
321-60-8	2-Fluorobiphenyl	48.8			20 - 109	49%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	93.5			10 - 116	62%	SPK: 150		
1718-51-0	Terphenyl-d14	52.2			10 - 105	52%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	13000							
1146-65-2	Naphthalene-d8	53800							
15067-26-2	Acenaphthene-d10	42300							
1517-22-2	Phenanthrene-d10	98600							
1719-03-5	Chrysene-d12	108000							
1520-96-3	Perylene-d12	125000							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015MSD	SDG No.:	Q3363
Lab Sample ID:	Q3363-05MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064540.D
Acq On : 17 Oct 2025 17:51
Operator : RC/JU
Sample : Q3363-05MSD
Misc : 8270/625.1 SPIKE
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 19:09:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.820	152	12958	20.000	ng	# 0.00
21) Naphthalene-d8	10.605	136	53760	20.000	ng	# 0.00
39) Acenaphthene-d10	14.448	164	42324	20.000	ng	0.00
64) Phenanthrene-d10	17.191	188	98552	20.000	ng	0.00
76) Chrysene-d12	21.416	240	108444	20.000	ng	0.00
86) Perylene-d12	24.401	264	124972	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.411	112	70198	100.258	ng	0.00
7) Phenol-d6	6.997	99	89685	95.316	ng	0.01
23) Nitrobenzene-d5	8.972	82	59125	59.136	ng	0.00
42) 2,4,6-Tribromophenol	15.940	330	71696	93.454	ng	0.00
45) 2-Fluorobiphenyl	13.067	172	139992	48.754	ng	0.00
79) Terphenyl-d14	19.806	244	298846	52.153	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.314	88	12371	44.669	ng	# 88
3) Pyridine	3.707	79	31258	41.996	ng	94
4) n-Nitrosodimethylamine	3.619	42	30671	56.843	ng	99
6) Aniline	7.144	93	39733	33.477	ng	98
8) 2-Chlorophenol	7.385	128	49617	57.709	ng	97
9) Benzaldehyde	6.956	77	21680	25.957	ng	93
10) Phenol	7.027	94	55973	56.391	ng	97
11) bis(2-Chloroethyl)ether	7.244	93	36342	54.065	ng	97
12) 1,3-Dichlorobenzene	7.708	146	54599	58.051	ng	90
13) 1,4-Dichlorobenzene	7.849	146	57931	61.371	ng	88
14) 1,2-Dichlorobenzene	8.167	146	54459	58.538	ng	93
15) Benzyl Alcohol	8.061	79	48186	55.609	ng	90
16) 2,2'-oxybis(1-Chloropr...	8.349	45	54022	49.858	ng	96
17) 2-Methylphenol	8.267	107	41721	58.047	ng	95
18) Hexachloroethane	8.889	117	20890	56.067	ng	95
19) n-Nitroso-di-n-propyla...	8.625	70	33086	52.578	ng	# 98
20) 3+4-Methylphenols	8.596	107	56150	55.982	ng	90
22) Acetophenone	8.637	105	82910	63.695	ng	97
24) Nitrobenzene	9.013	77	55754	55.920	ng	99
25) Isophorone	9.541	82	97604	53.888	ng	99
26) 2-Nitrophenol	9.724	139	27688	55.798	ng	91
27) 2,4-Dimethylphenol	9.788	122	48855	64.460	ng	94
28) bis(2-Chloroethoxy)met...	10.017	93	50508	54.706	ng	99
29) 2,4-Dichlorophenol	10.258	162	52040	59.377	ng	98
30) 1,2,4-Trichlorobenzene	10.470	180	58767	61.496	ng	98
31) Naphthalene	10.658	128	161782	58.439	ng	98
32) Benzoic acid	9.959	122	39058	67.122	ng	86
33) 4-Chloroaniline	10.764	127	23291	21.925	ng	95
34) Hexachlorobutadiene	10.946	225	49225	60.147	ng	97
35) Caprolactam	11.545	113	15936m	53.113	ng	
36) 4-Chloro-3-methylphenol	11.903	107	62134	58.297	ng	97
37) 2-Methylnaphthalene	12.268	142	106210	49.980	ng	99
38) 1-Methylnaphthalene	12.485	142	115037	54.289	ng	95
40) 1,2,4,5-Tetrachloroben...	12.638	216	85281	62.405	ng	98
41) Hexachlorocyclopentadiene	12.620	237	104149	145.696	ng	94
43) 2,4,6-Trichlorophenol	12.879	196	50162	57.421	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064540.D
Acq On : 17 Oct 2025 17:51
Operator : RC/JU
Sample : Q3363-05MSD
Misc : 8270/625.1 SPIKE
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 19:09:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.955	196	54905	56.296	ng		95
46) 1,1'-Biphenyl	13.278	154	183332	60.226	ng		100
47) 2-Chloronaphthalene	13.319	162	123311	54.256	ng		99
48) 2-Nitroaniline	13.531	65	42893	55.296	ng		98
49) Acenaphthylene	14.166	152	213116	63.167	ng		99
50) Dimethylphthalate	13.907	163	171566	51.757	ng		99
51) 2,6-Dinitrotoluene	14.024	165	37689	54.581	ng		95
52) Acenaphthene	14.512	154	123214	52.566	ng		100
53) 3-Nitroaniline	14.359	138	21357	33.537	ng	#	92
54) 2,4-Dinitrophenol	14.565	184	47393	94.653	ng		89
55) Dibenzofuran	14.847	168	211592	54.671	ng		98
56) 4-Nitrophenol	14.683	139	55987	111.664	ng	#	83
57) 2,4-Dinitrotoluene	14.818	165	58742	55.649	ng	#	97
58) Fluorene	15.493	166	180297	56.036	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.076	232	58615	58.889	ng	#	100
60) Diethylphthalate	15.270	149	186116	52.339	ng		98
61) 4-Chlorophenyl-phenyle...	15.487	204	94473	53.782	ng		97
62) 4-Nitroaniline	15.517	138	35978	54.205	ng	#	83
63) Azobenzene	15.781	77	159730	58.000	ng		96
65) 4,6-Dinitro-2-methylph...	15.582	198	38604	56.259	ng		93
66) n-Nitrosodiphenylamine	15.705	169	155774	59.191	ng		94
67) 4-Bromophenyl-phenylether	16.381	248	66795	57.595	ng		94
68) Hexachlorobenzene	16.498	284	78114	58.863	ng		98
69) Atrazine	16.657	200	71618	61.166	ng		99
70) Pentachlorophenol	16.845	266	98627	127.110	ng		98
71) Phenanthrene	17.233	178	295420	57.321	ng		99
72) Anthracene	17.321	178	300419	58.104	ng		98
73) Carbazole	17.591	167	267151	59.777	ng		98
74) Di-n-butylphthalate	18.155	149	315058	57.749	ng		99
75) Fluoranthene	19.242	202	379195	61.587	ng		98
77) Benzidine	19.424	184	117565	43.567	ng		98
78) Pyrene	19.606	202	395779	56.237	ng		99
80) Butylbenzylphthalate	20.499	149	141491	56.715	ng		98
81) Benzo(a)anthracene	21.398	228	422383	61.001	ng		99
82) 3,3'-Dichlorobenzidine	21.322	252	63681	27.173	ng	#	97
83) Chrysene	21.463	228	389097	59.253	ng		98
84) Bis(2-ethylhexyl)phtha...	21.316	149	208938	59.357	ng		96
85) Di-n-octyl phthalate	22.444	149	347323	58.710	ng		99
87) Indeno(1,2,3-cd)pyrene	27.761	276	513369	59.016	ng		99
88) Benzo(b)fluoranthene	23.460	252	418135	58.812	ng		99
89) Benzo(k)fluoranthene	23.525	252	420067	58.664	ng		99
90) Benzo(a)pyrene	24.260	252	409057	62.428	ng		99
91) Dibenzo(a,h)anthracene	27.814	278	416939	59.935	ng		96
92) Benzo(g,h,i)perylene	28.807	276	422774	62.538	ng		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

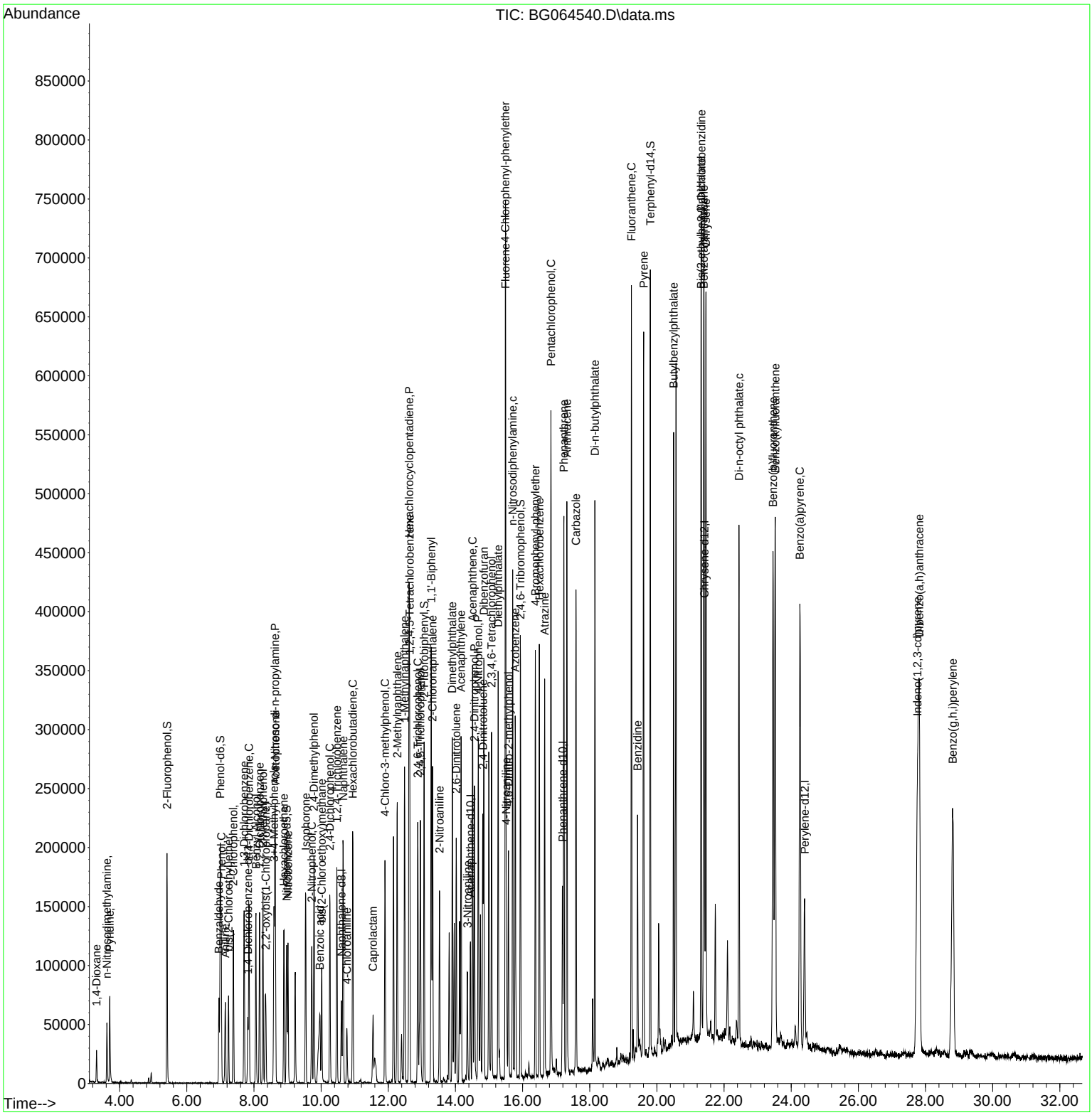
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064540.D
Acq On : 17 Oct 2025 17:51
Operator : RC/JU
Sample : Q3363-05MSD
Misc : 8270/625.1 SPIKE
ALS Vial : 11 Sample Multiplier: 1

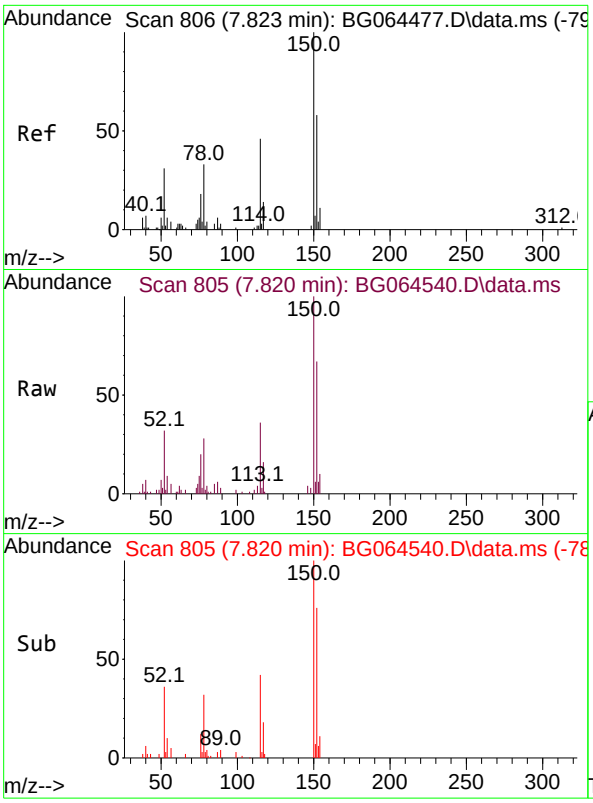
Quant Time: Oct 17 19:09:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

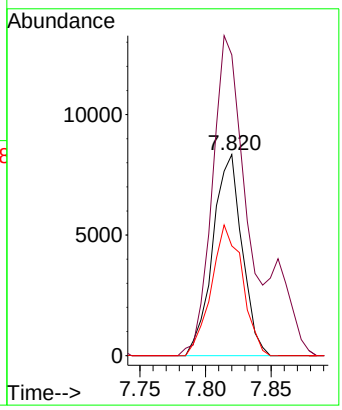




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.820 min Scan# 80
Delta R.T. 0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:152 Resp: 1295

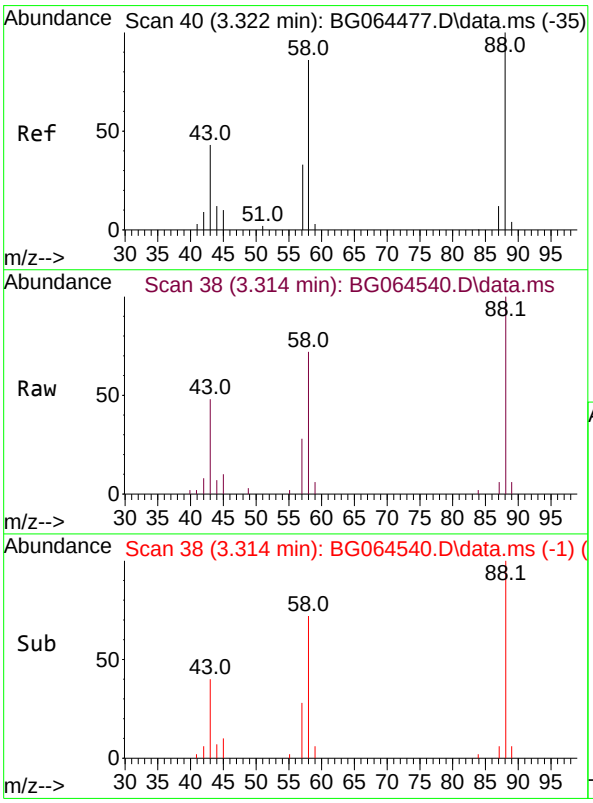
Ion	Ratio	Lower	Upper
152	100		
150	149.6	138.6	207.8
115	54.5	63.4	95.2#



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

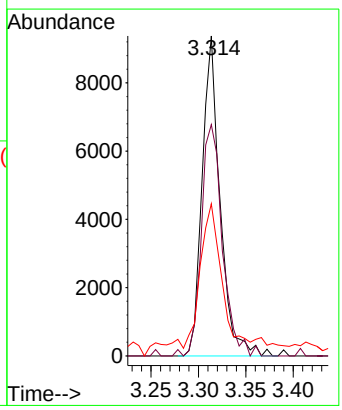
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

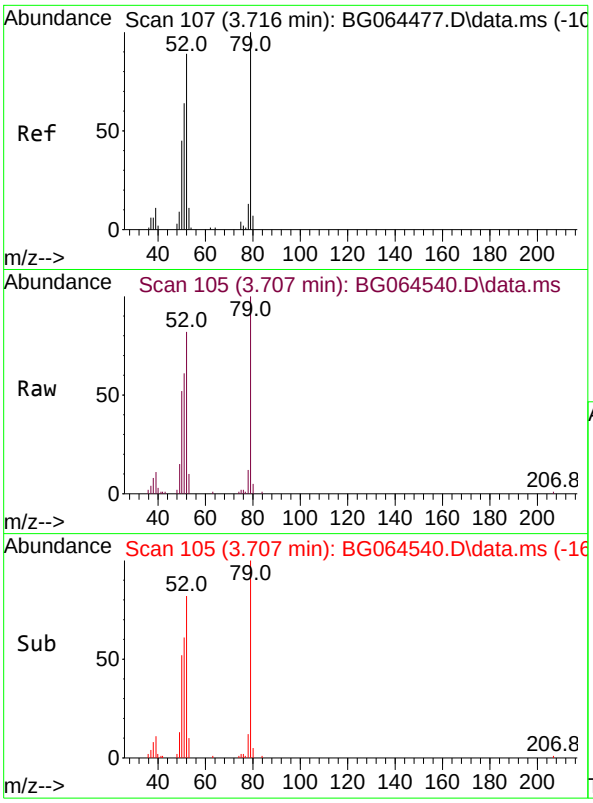


#2
1,4-Dioxane
Concen: 44.669 ng
RT: 3.314 min Scan# 38
Delta R.T. -0.006 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion: 88 Resp: 12371

Ion	Ratio	Lower	Upper
88	100		
58	84.8	69.8	104.6
43	66.6	37.4	56.0#

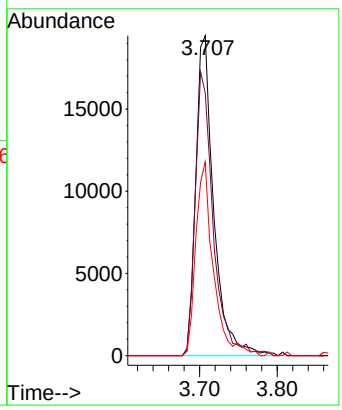




#3
Pyridine
Concen: 41.996 ng
RT: 3.707 min Scan# 10
Delta R.T. -0.006 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion: 79 Resp: 3125

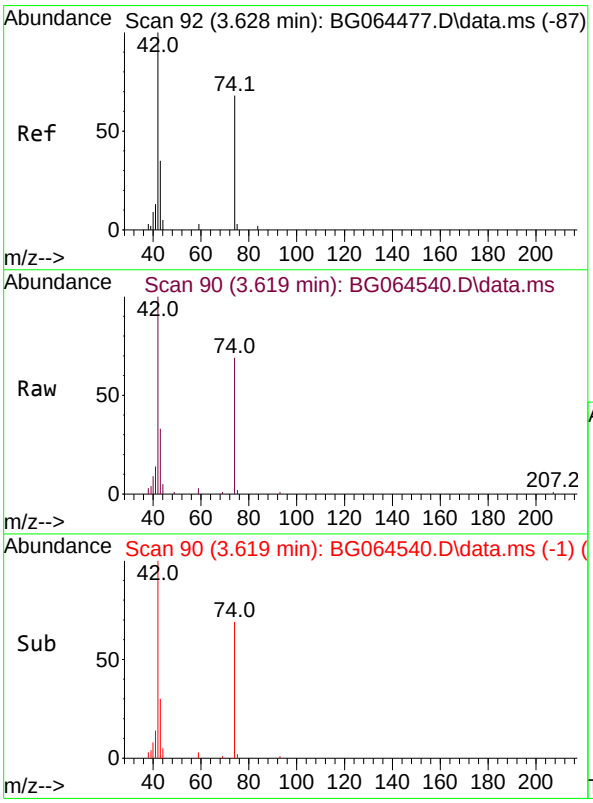
Ion	Ratio	Lower	Upper
79	100		
52	82.1	71.0	106.4
51	60.5	51.0	76.6



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

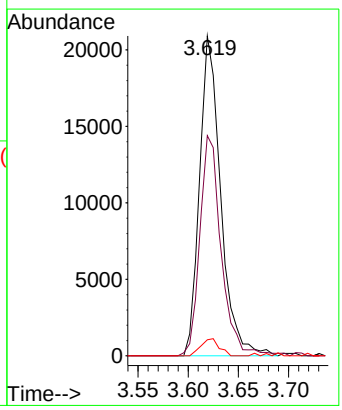
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

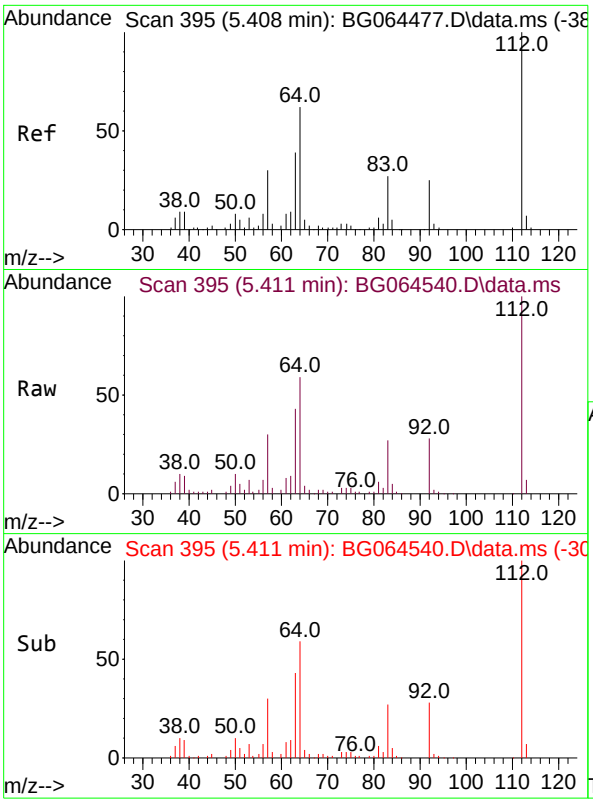


#4
n-Nitrosodimethylamine
Concen: 56.843 ng
RT: 3.619 min Scan# 90
Delta R.T. -0.006 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion: 42 Resp: 30671

Ion	Ratio	Lower	Upper
42	100		
74	68.8	54.2	81.4
44	5.0	4.2	6.2

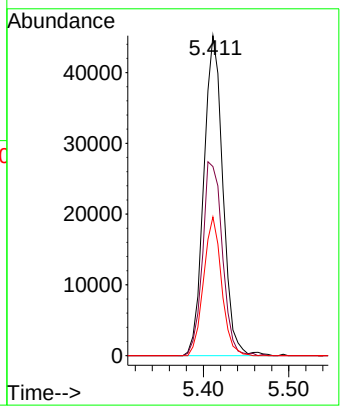




#5
2-Fluorophenol
Concen: 100.258 ng
RT: 5.411 min Scan# 39
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:112 Resp: 70198

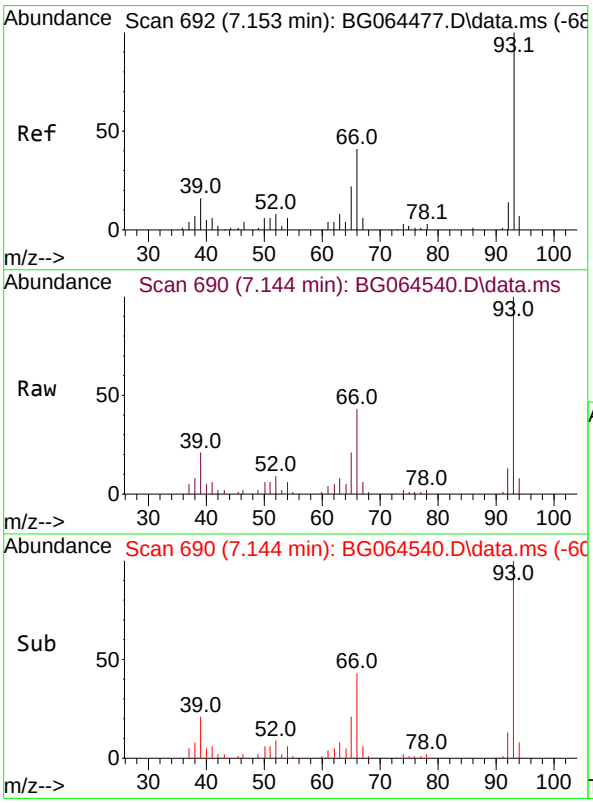
Ion	Ratio	Lower	Upper
112	100		
64	59.1	49.8	74.8
63	43.3	31.3	46.9



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

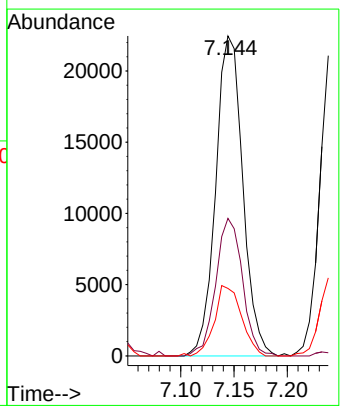
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

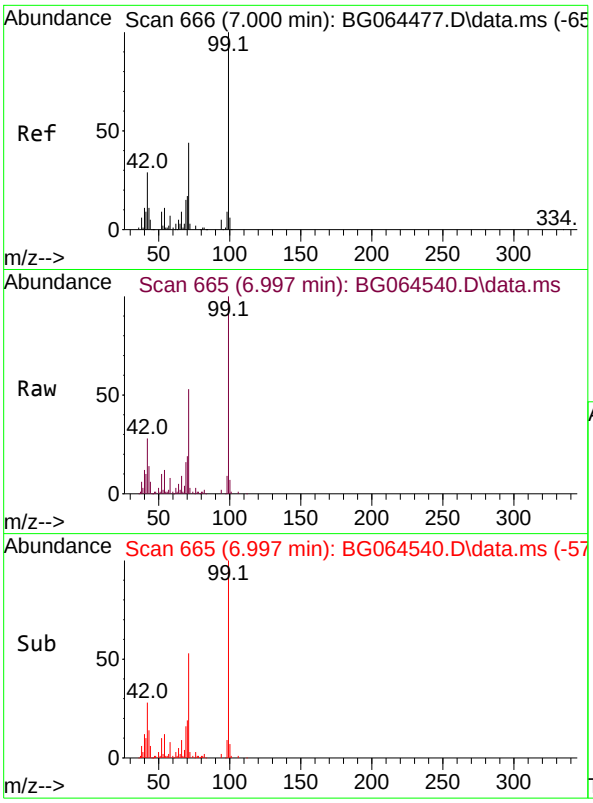


#6
Aniline
Concen: 33.477 ng
RT: 7.144 min Scan# 690
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion: 93 Resp: 39733

Ion	Ratio	Lower	Upper
93	100		
66	43.0	33.0	49.4
65	21.1	17.5	26.3

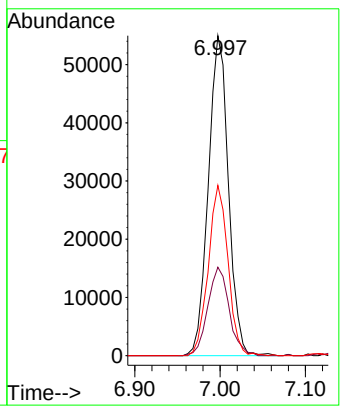




#7
Phenol-d6
Concen: 95.316 ng
RT: 6.997 min Scan# 6
Delta R.T. 0.011 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

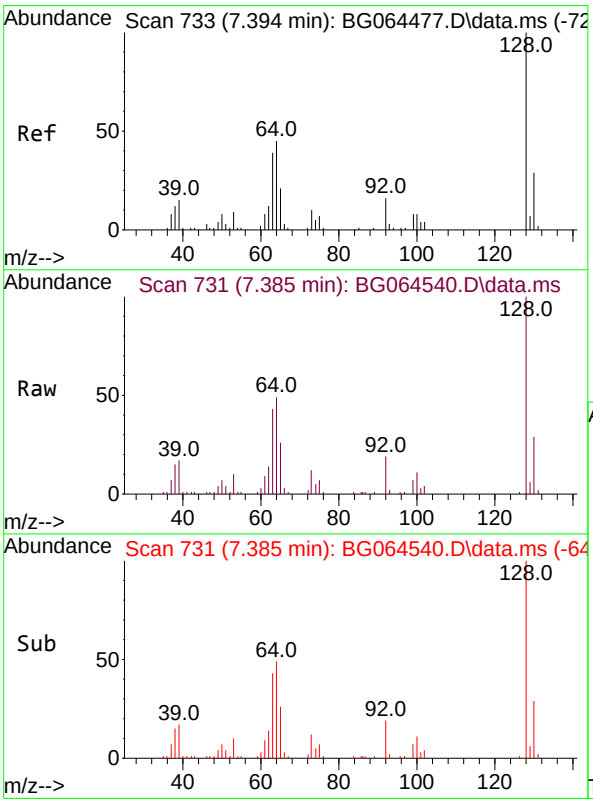
Tgt Ion: 99 Resp: 8968

Ion	Ratio	Lower	Upper
99	100		
42	27.6	22.9	34.3
71	53.2	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

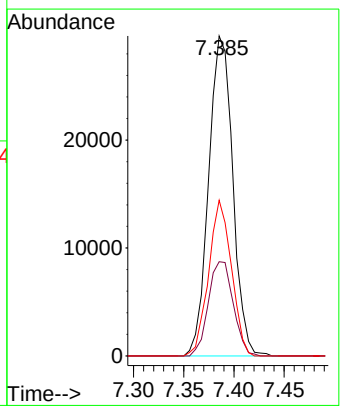
Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

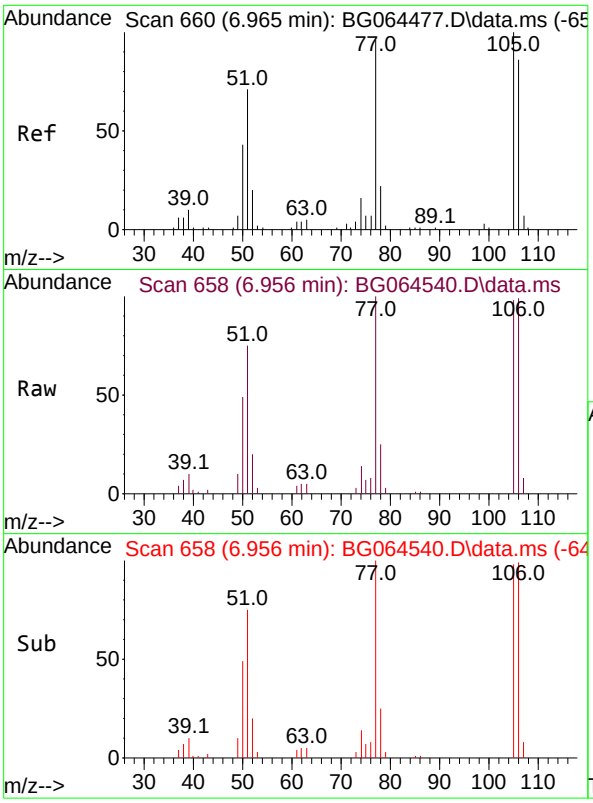


#8
2-Chlorophenol
Concen: 57.709 ng
RT: 7.385 min Scan# 731
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:128 Resp: 49617

Ion	Ratio	Lower	Upper
128	100		
130	29.4	9.2	49.2
64	48.6	25.5	65.5

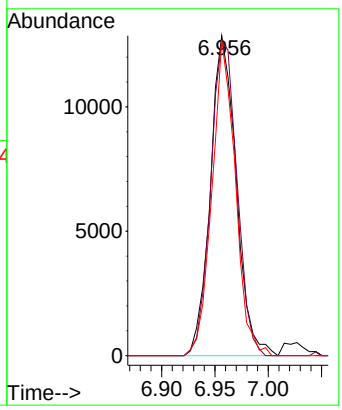




#9
Benzaldehyde
Concen: 25.957 ng
RT: 6.956 min Scan# 6
Delta R.T. -0.006 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion: 77 Resp: 2168

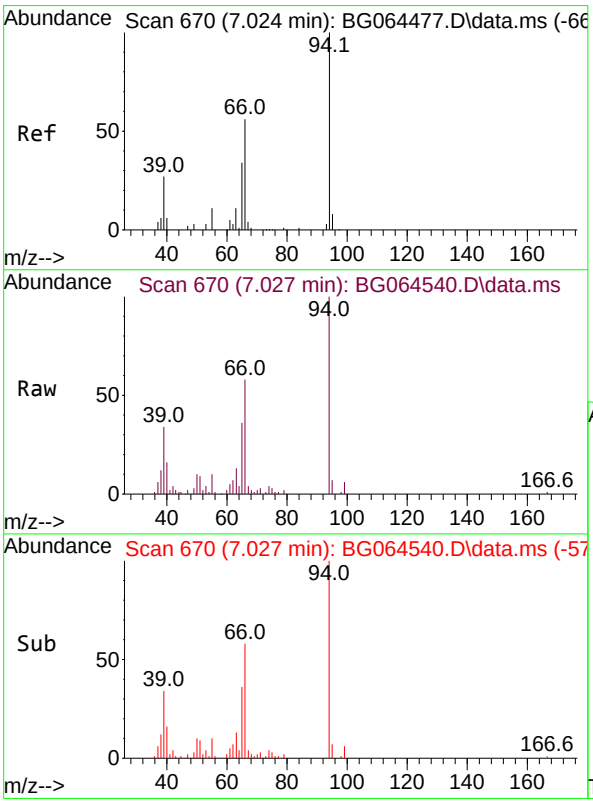
Ion	Ratio	Lower	Upper
77	100		
105	98.3	83.7	123.7
106	98.6	69.4	109.4



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

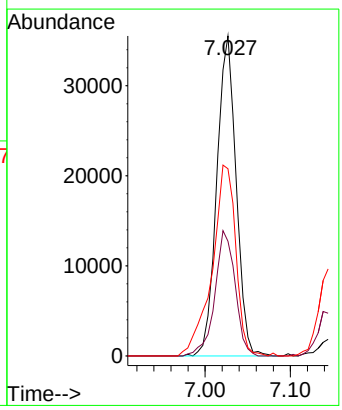
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

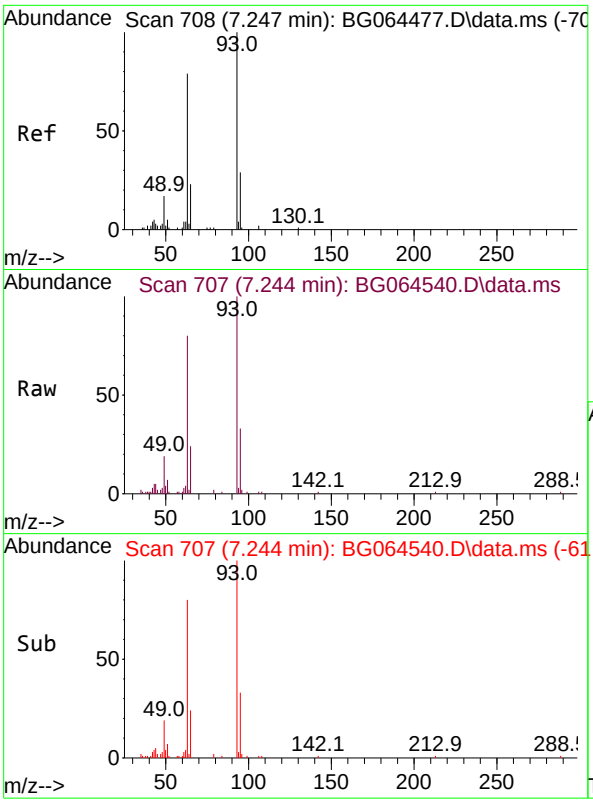


#10
Phenol
Concen: 56.391 ng
RT: 7.027 min Scan# 670
Delta R.T. 0.011 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion: 94 Resp: 55973

Ion	Ratio	Lower	Upper
94	100		
65	35.8	14.8	54.8
66	58.5	41.4	81.4

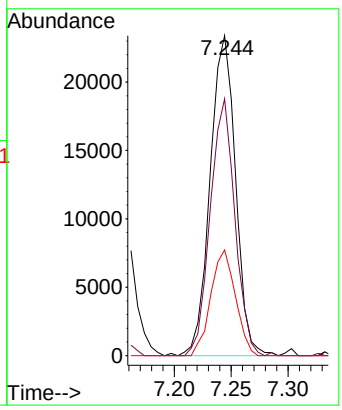




#11
bis(2-Chloroethyl)ether
Concen: 54.065 ng
RT: 7.244 min Scan# 7
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion: 93 Resp: 3634

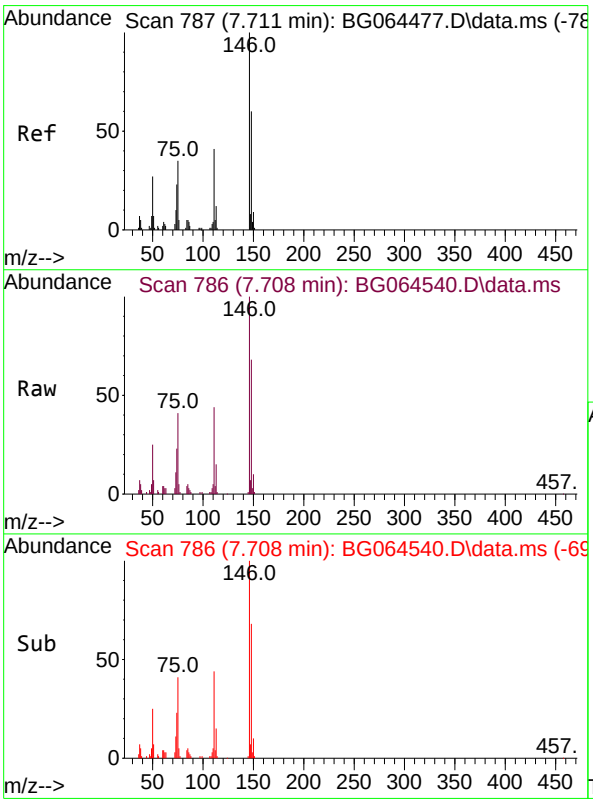
Ion	Ratio	Lower	Upper
93	100		
63	80.2	59.5	99.5
95	33.0	8.8	48.8



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations APPROVED

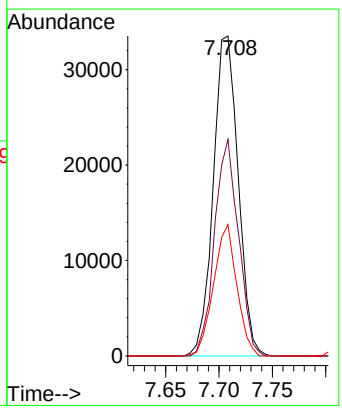
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

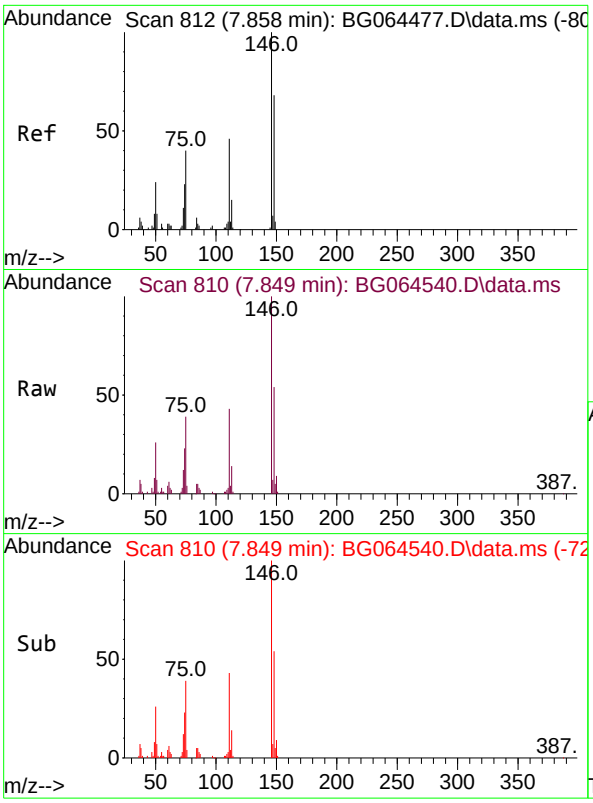


#12
1,3-Dichlorobenzene
Concen: 58.051 ng
RT: 7.708 min Scan# 786
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:146 Resp: 54599

Ion	Ratio	Lower	Upper
146	100		
148	67.6	48.4	72.6
75	41.1	28.3	42.5

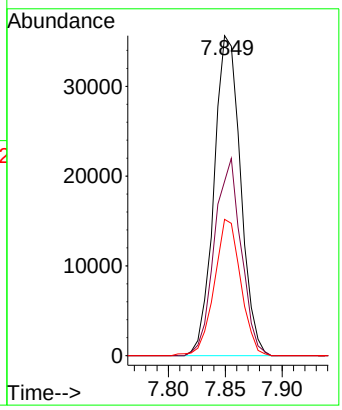




#13
1,4-Dichlorobenzene
Concen: 61.371 ng
RT: 7.849 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:146 Resp: 5793

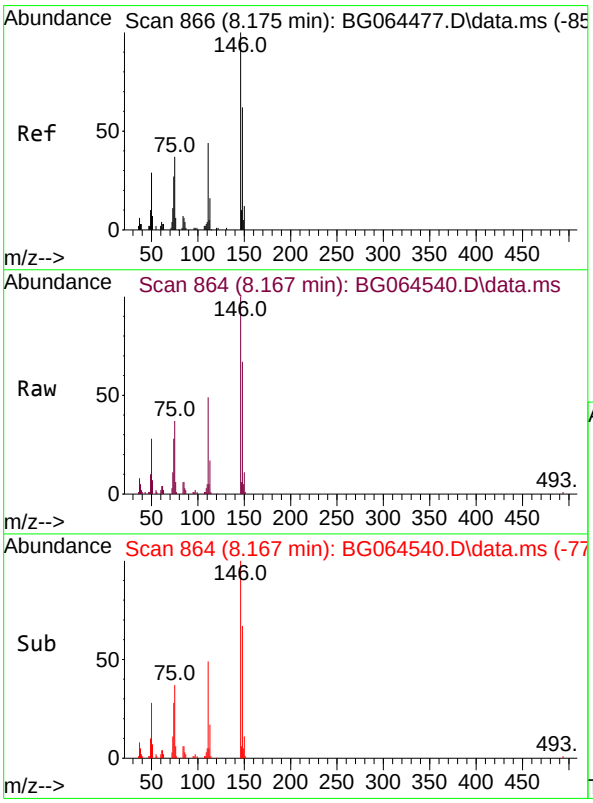
Ion	Ratio	Lower	Upper
146	100		
148	54.5	54.4	81.6
111	42.6	36.5	54.7



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

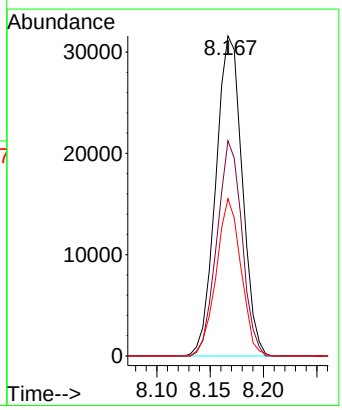
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

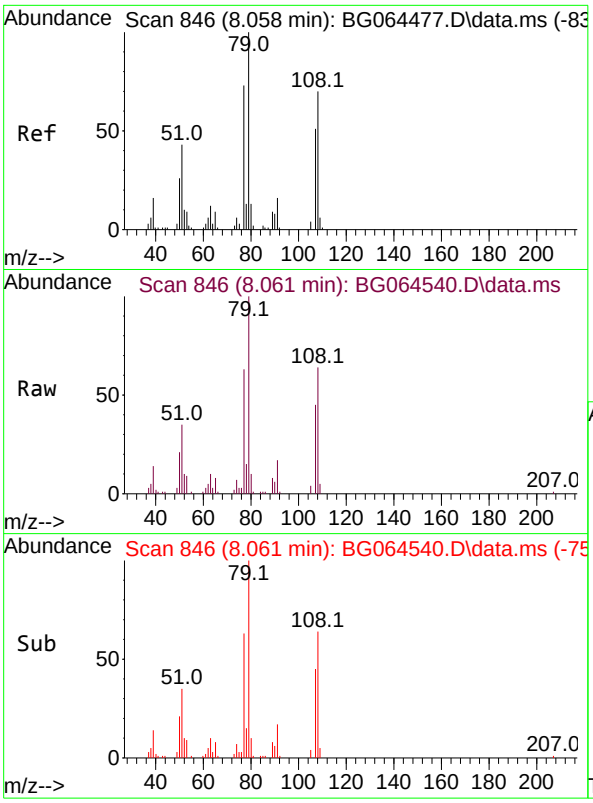


#14
1,2-Dichlorobenzene
Concen: 58.538 ng
RT: 8.167 min Scan# 864
Delta R.T. -0.006 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:146 Resp: 54459

Ion	Ratio	Lower	Upper
146	100		
148	67.2	50.0	75.0
111	49.1	35.0	52.4

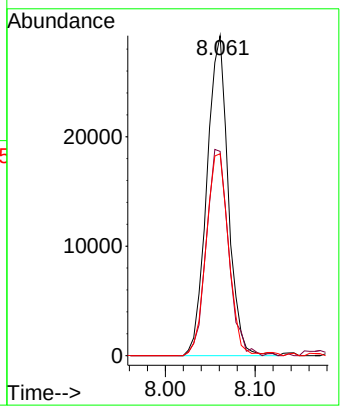




#15
Benzyl Alcohol
Concen: 55.609 ng
RT: 8.061 min Scan# 84
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion: 79 Resp: 4818

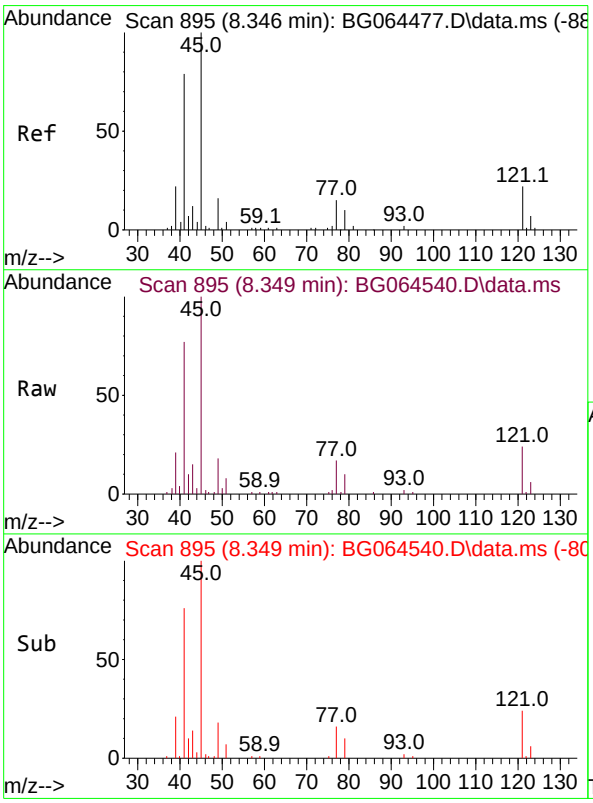
Ion	Ratio	Lower	Upper
79	100		
108	63.8	56.4	84.6
77	63.1	58.3	87.5



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

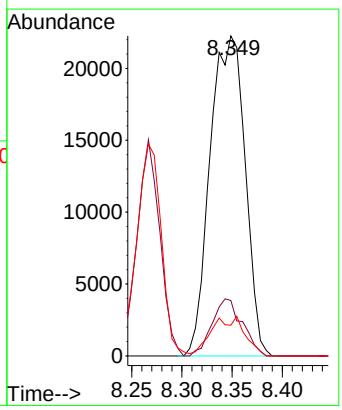
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

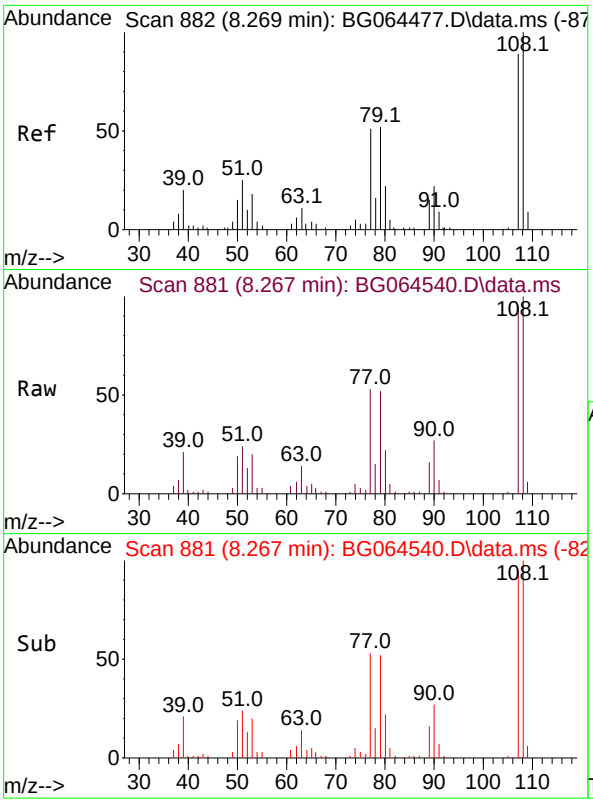


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.858 ng
RT: 8.349 min Scan# 895
Delta R.T. 0.011 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion: 45 Resp: 54022

Ion	Ratio	Lower	Upper
45	100		
77	17.4	0.0	35.6
79	9.6	0.0	30.7

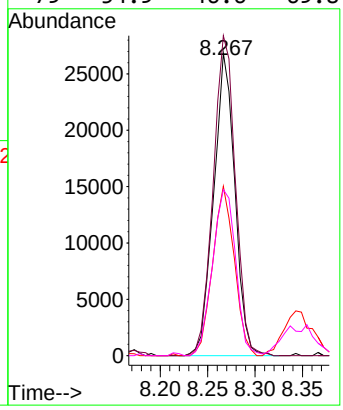




#17
2-Methylphenol
Concen: 58.047 ng
RT: 8.267 min Scan# 8
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:107 Resp: 4172

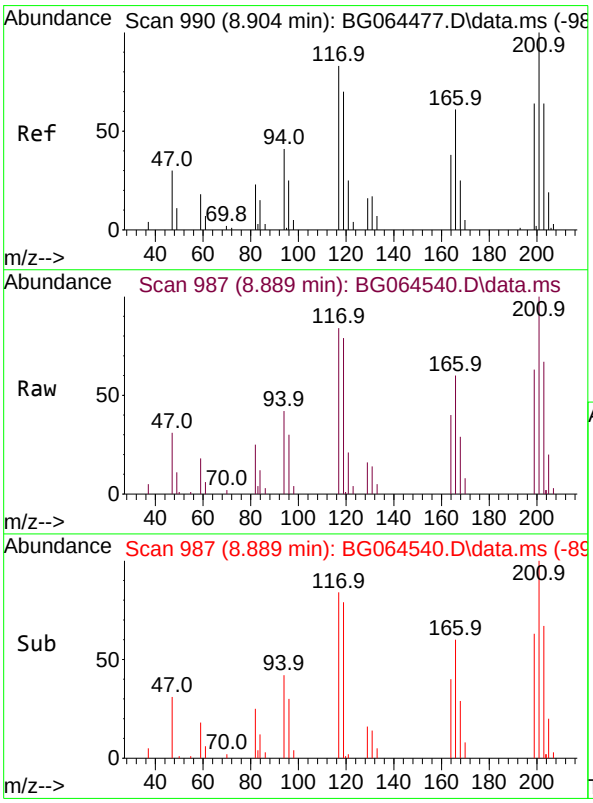
Ion	Ratio	Lower	Upper
107	100		
108	105.8	90.3	135.5
77	56.0	46.0	69.0
79	54.9	46.6	69.8



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

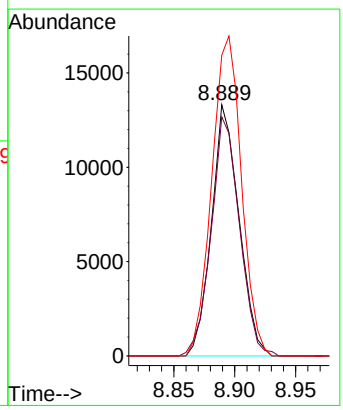
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

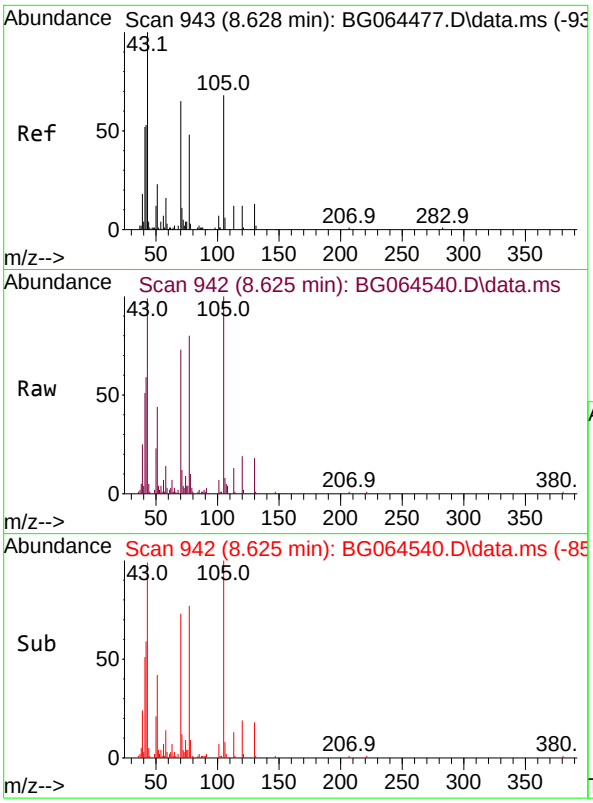


#18
Hexachloroethane
Concen: 56.067 ng
RT: 8.889 min Scan# 987
Delta R.T. -0.006 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:117 Resp: 20890

Ion	Ratio	Lower	Upper
117	100		
119	95.1	67.4	101.0
201	119.7	95.9	143.9

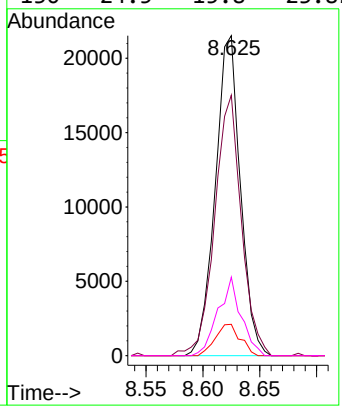




#19
n-Nitroso-di-n-propylamine
Concen: 52.578 ng
RT: 8.625 min Scan# 94
Delta R.T. 0.011 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion: 70 Resp: 3308

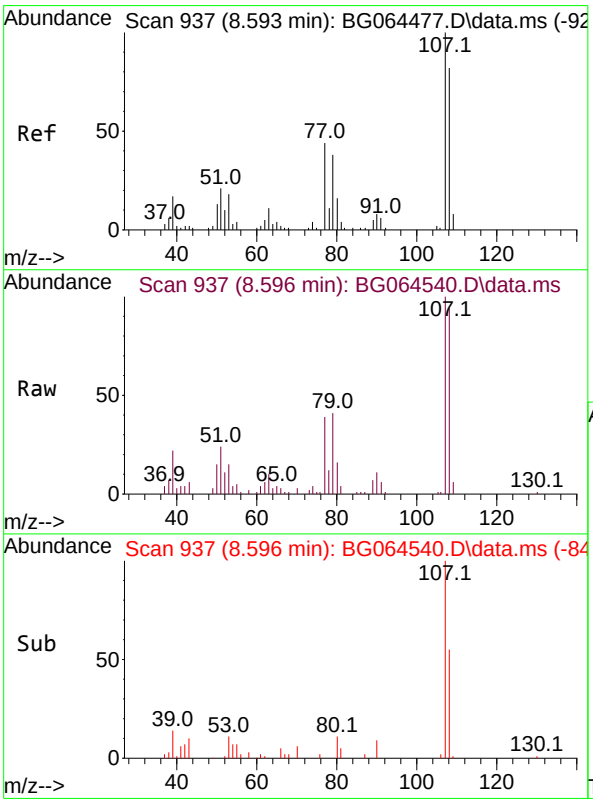
Ion	Ratio	Lower	Upper
70	100		
42	81.4	64.9	97.3
101	9.8	8.7	13.1
130	24.5	15.8	23.8#



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

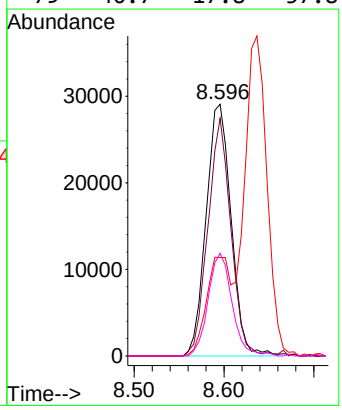
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

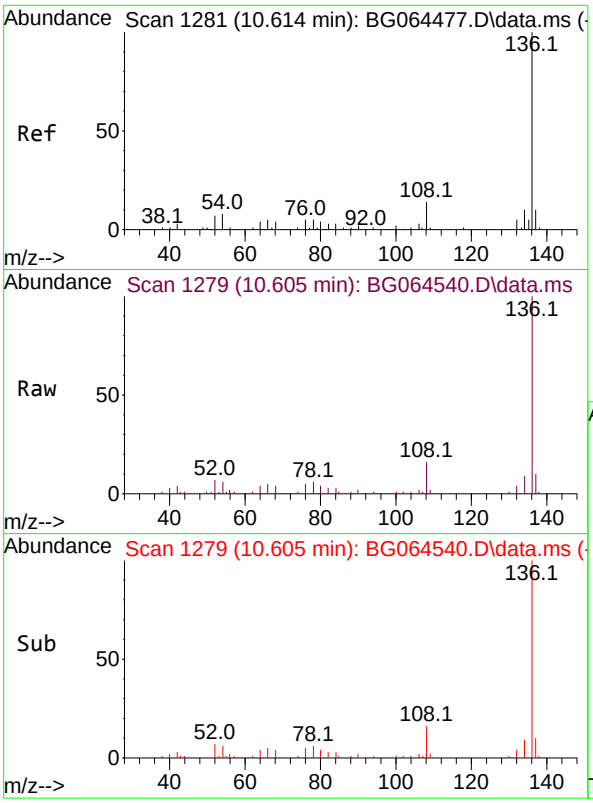


#20
3+4-Methylphenols
Concen: 55.982 ng
RT: 8.596 min Scan# 937
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:107 Resp: 56150

Ion	Ratio	Lower	Upper
107	100		
108	94.4	62.1	102.1
77	39.1	23.5	63.5
79	40.7	17.8	57.8

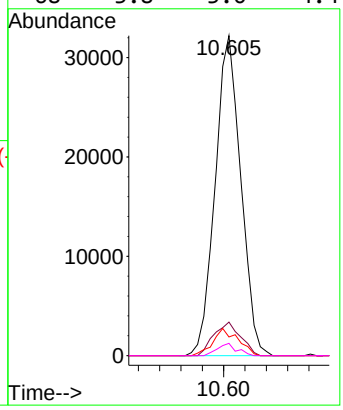




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.605 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:136 Resp: 5376

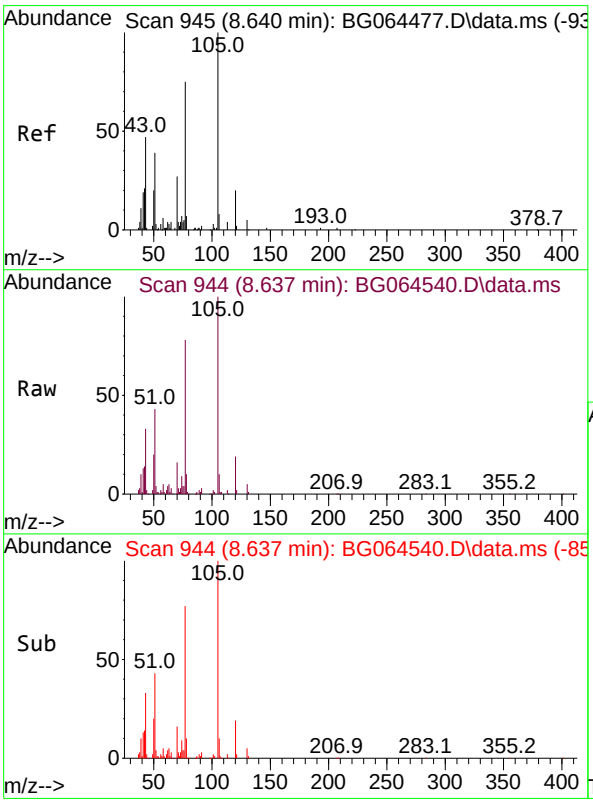
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.3	12.5
54	5.9	6.2	9.4#
68	3.8	3.0	4.4



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

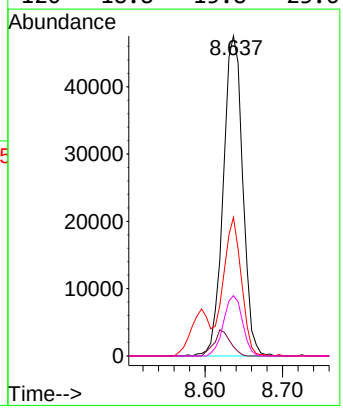
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

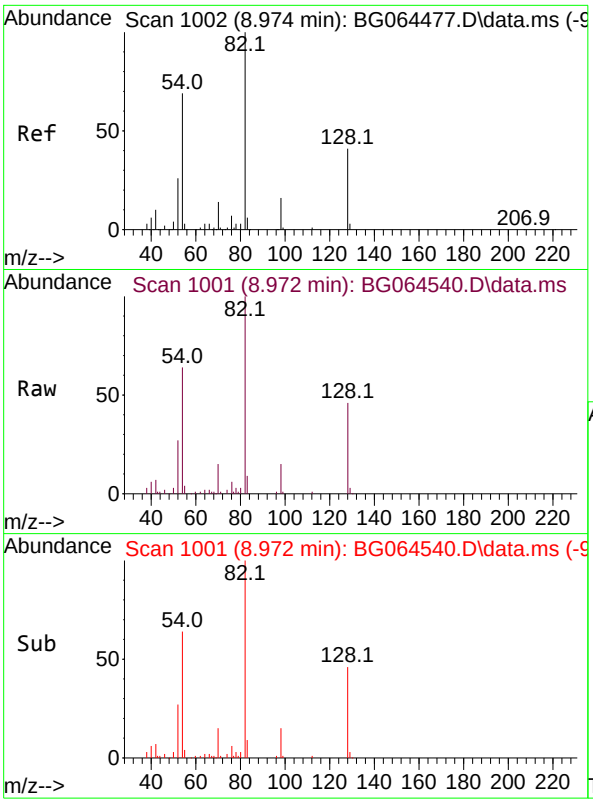


#22
Acetophenone
Concen: 63.695 ng
RT: 8.637 min Scan# 944
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:105 Resp: 82910

Ion	Ratio	Lower	Upper
105	100		
71	2.9	2.8	4.2
51	43.3	33.0	49.4
120	18.8	15.8	23.6





#23
Nitrobenzene-d5
Concen: 59.136 ng
RT: 8.972 min Scan# 10
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

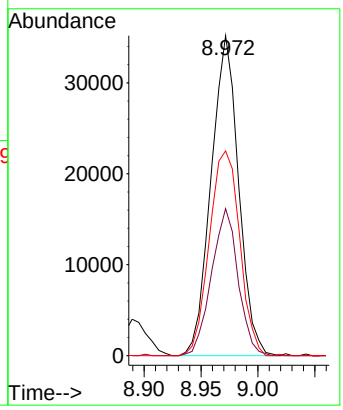
Tgt Ion: 82 Resp: 5912

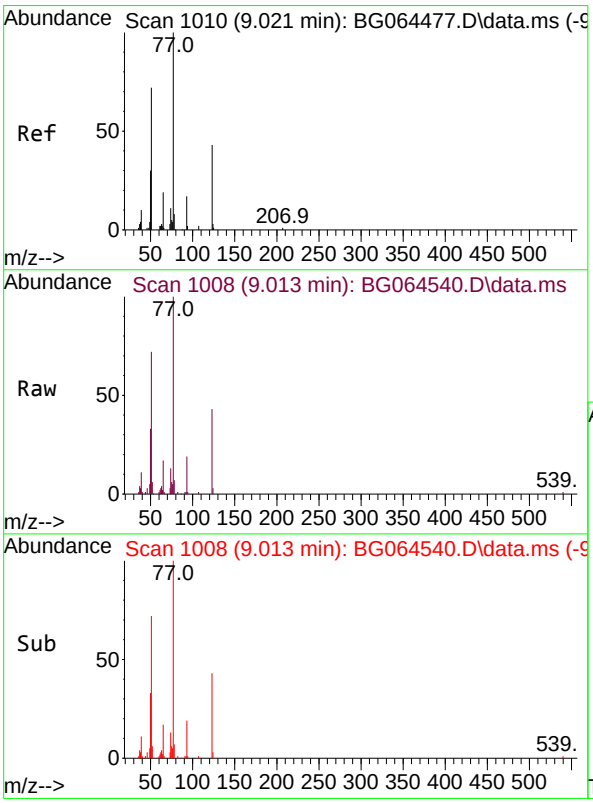
Ion	Ratio	Lower	Upper
82	100		
128	45.9	33.1	49.7
54	64.0	55.4	83.2

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

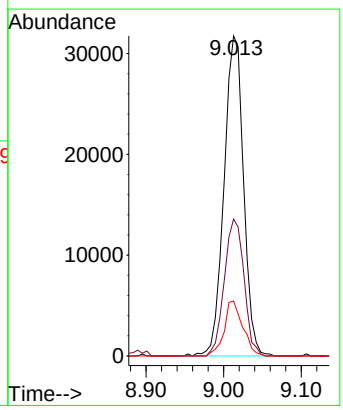


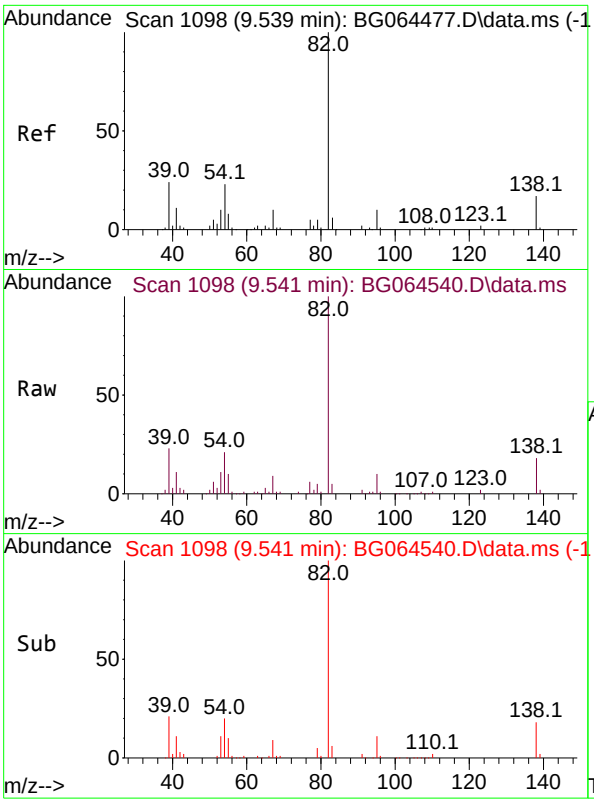


#24
Nitrobenzene
Concen: 55.920 ng
RT: 9.013 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion: 77 Resp: 55754

Ion	Ratio	Lower	Upper
77	100		
123	42.8	34.4	51.6
65	17.1	14.8	22.2

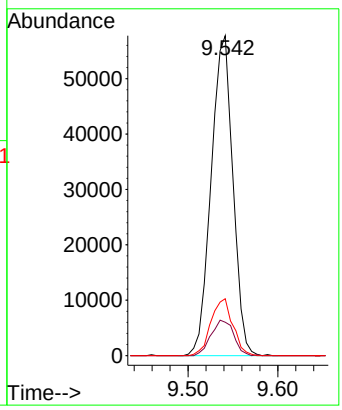




#25
Isophorone
Concen: 53.888 ng
RT: 9.541 min Scan# 1
Delta R.T. 0.011 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion: 82 Resp: 9760

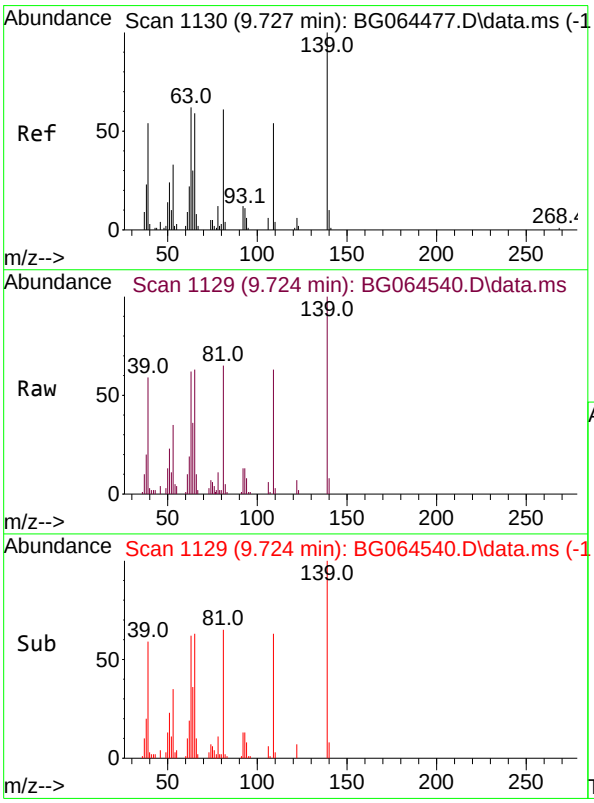
Ion	Ratio	Lower	Upper
82	100		
95	10.4	7.8	11.8
138	17.8	13.8	20.6



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

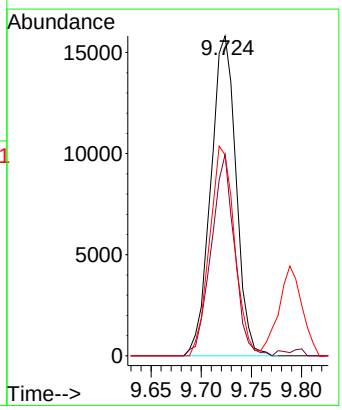
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

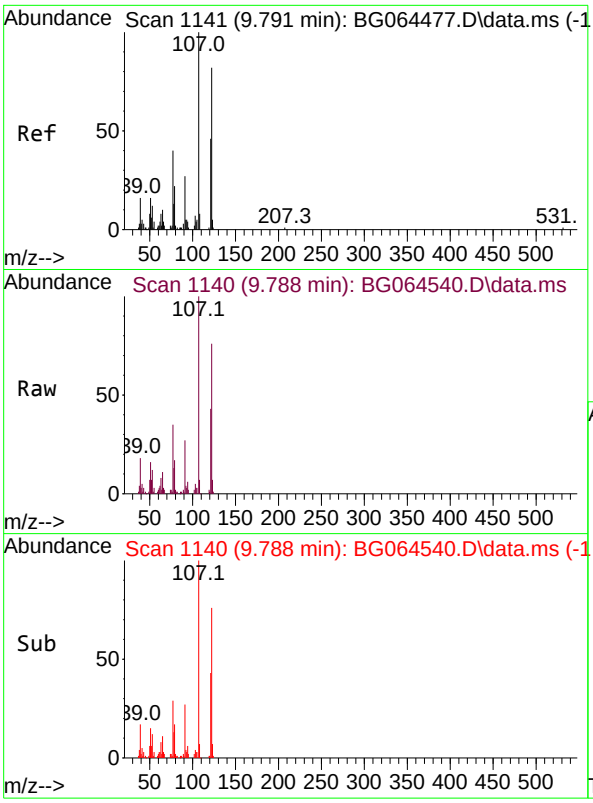


#26
2-Nitrophenol
Concen: 55.798 ng
RT: 9.724 min Scan# 1129
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:139 Resp: 27688

Ion	Ratio	Lower	Upper
139	100		
109	62.9	43.0	64.6
65	62.8	47.4	71.2





#27
2,4-Dimethylphenol
Concen: 64.460 ng
RT: 9.788 min Scan# 11
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

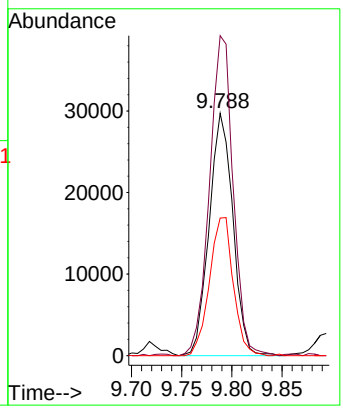
Tgt Ion:122 Resp: 4885

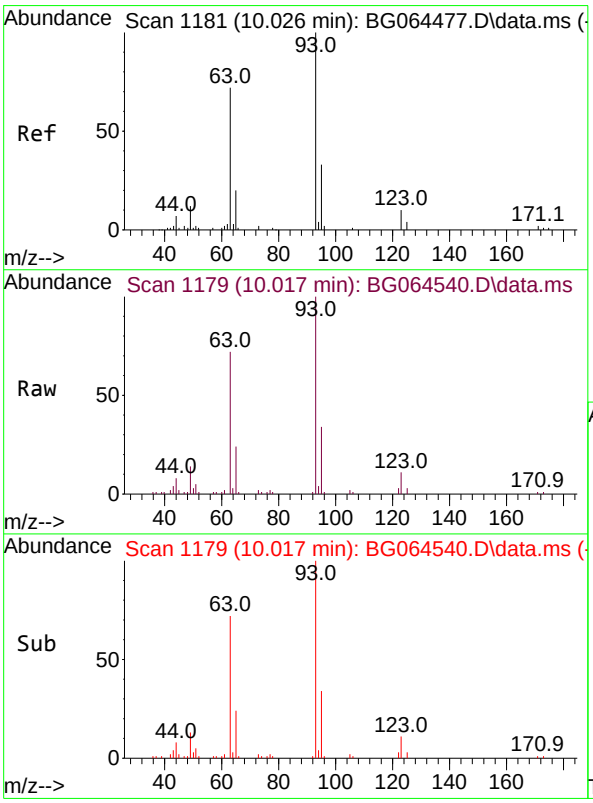
Ion	Ratio	Lower	Upper
122	100		
107	132.0	98.3	147.5
121	56.7	44.7	67.1

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

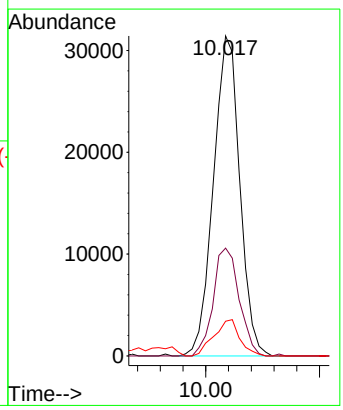


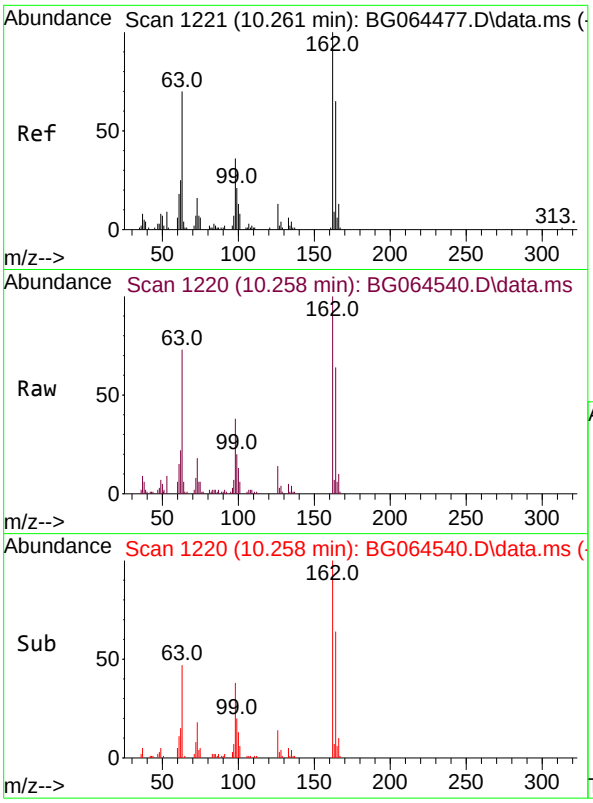


#28
bis(2-Chloroethoxy)methane
Concen: 54.706 ng
RT: 10.017 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion: 93 Resp: 50508

Ion	Ratio	Lower	Upper
93	100		
95	33.7	26.5	39.7
123	10.8	8.9	13.3

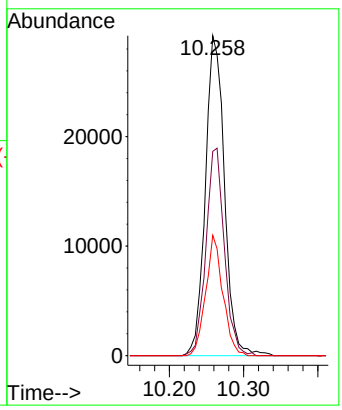




#29
2,4-Dichlorophenol
Concen: 59.377 ng
RT: 10.258 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:162 Resp: 5204

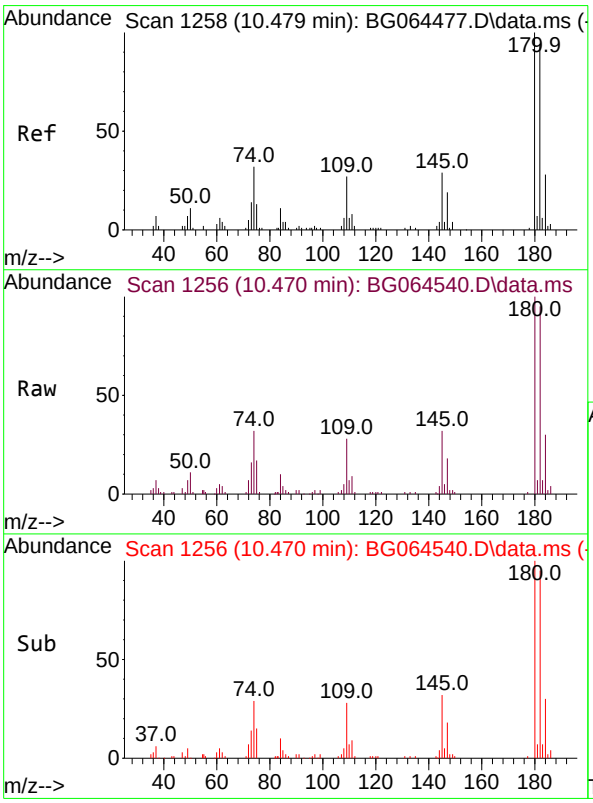
Ion	Ratio	Lower	Upper
162	100		
164	63.8	45.4	85.4
98	37.6	16.4	56.4



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

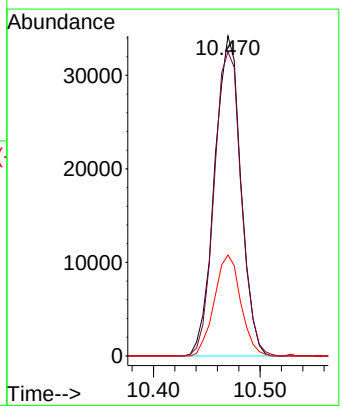
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

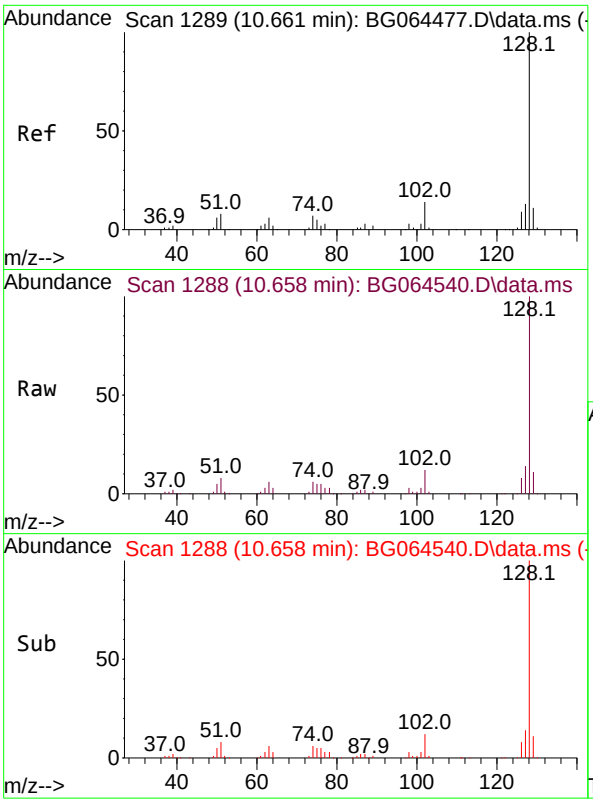


#30
1,2,4-Trichlorobenzene
Concen: 61.496 ng
RT: 10.470 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:180 Resp: 58767

Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.4	113.2
145	31.5	23.2	34.8





#31
Naphthalene
Concen: 58.439 ng
RT: 10.658 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

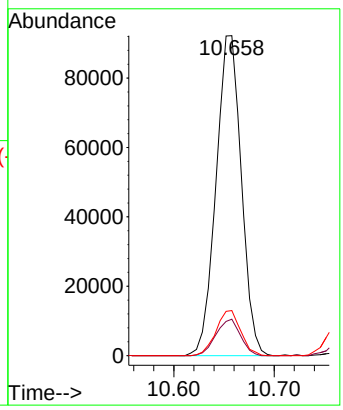
Tgt Ion:128 Resp: 16178

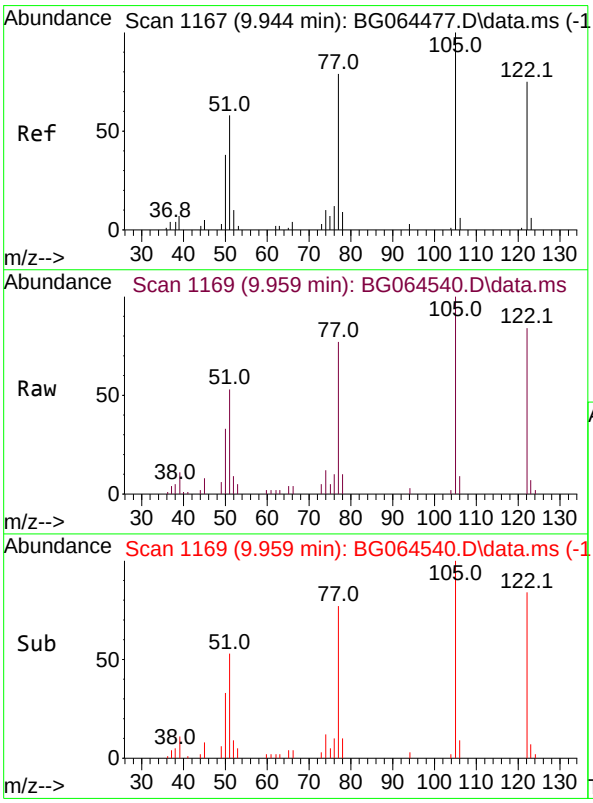
Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.7	13.1
127	14.1	10.2	15.2

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

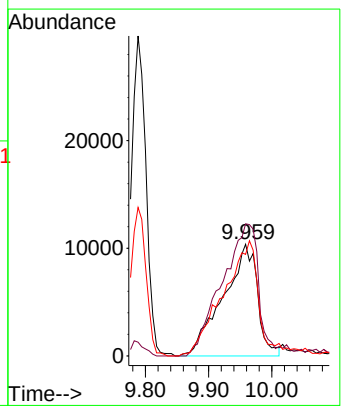


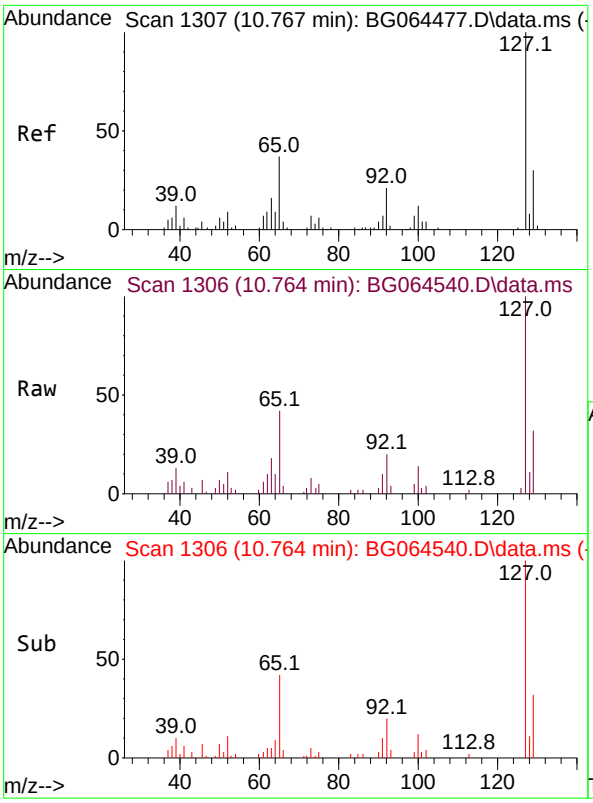


#32
Benzoic acid
Concen: 67.122 ng
RT: 9.959 min Scan# 1169
Delta R.T. 0.070 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:122 Resp: 39058

Ion	Ratio	Lower	Upper
122	100		
105	118.4	113.9	153.9
77	91.0	86.1	126.1

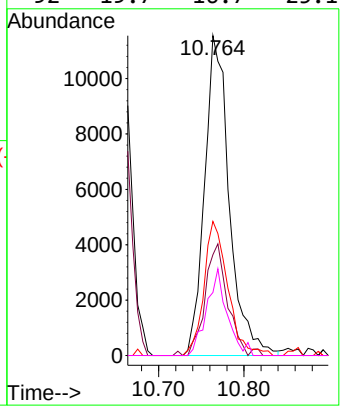




#33
4-Chloroaniline
Concen: 21.925 ng
RT: 10.764 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:127 Resp: 2329

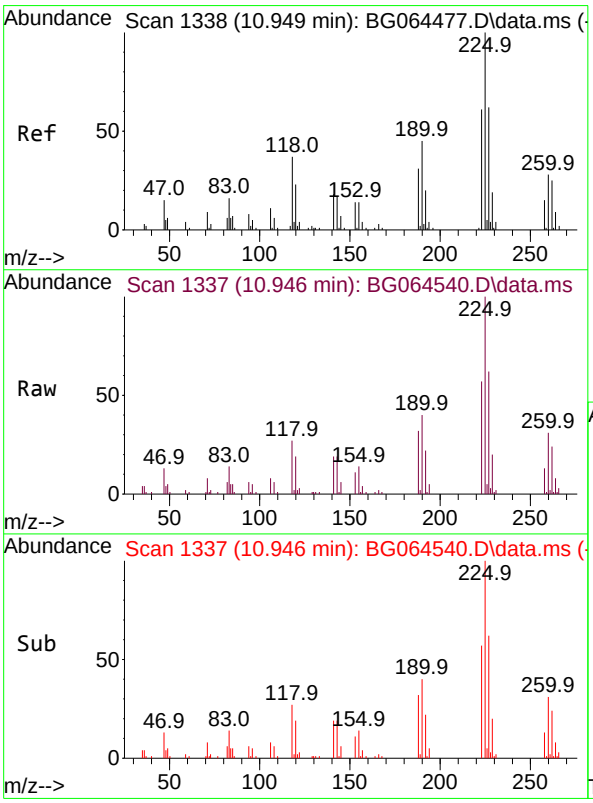
Ion	Ratio	Lower	Upper
127	100		
129	31.5	24.2	36.4
65	41.9	29.6	44.4
92	19.7	16.7	25.1



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations APPROVED

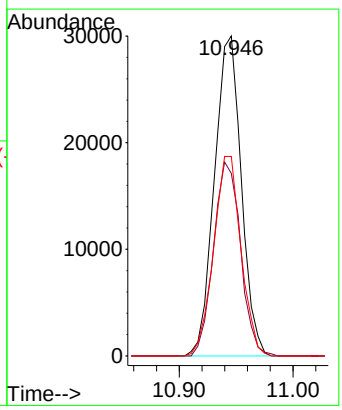
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

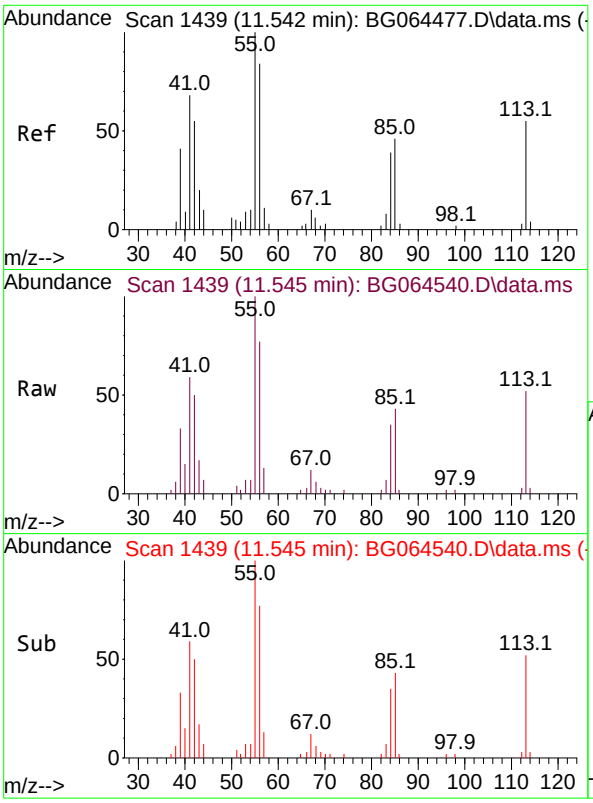


#34
Hexachlorobutadiene
Concen: 60.147 ng
RT: 10.946 min Scan# 1337
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:225 Resp: 49225

Ion	Ratio	Lower	Upper
225	100		
223	57.0	49.0	73.6
227	62.4	49.9	74.9

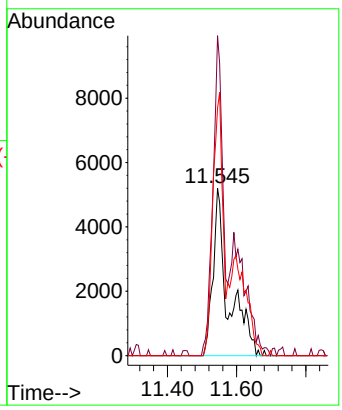




#35
Caprolactam
Concen: 53.113 ng m
RT: 11.545 min Scan# 14
Delta R.T. 0.035 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:113 Resp: 1593

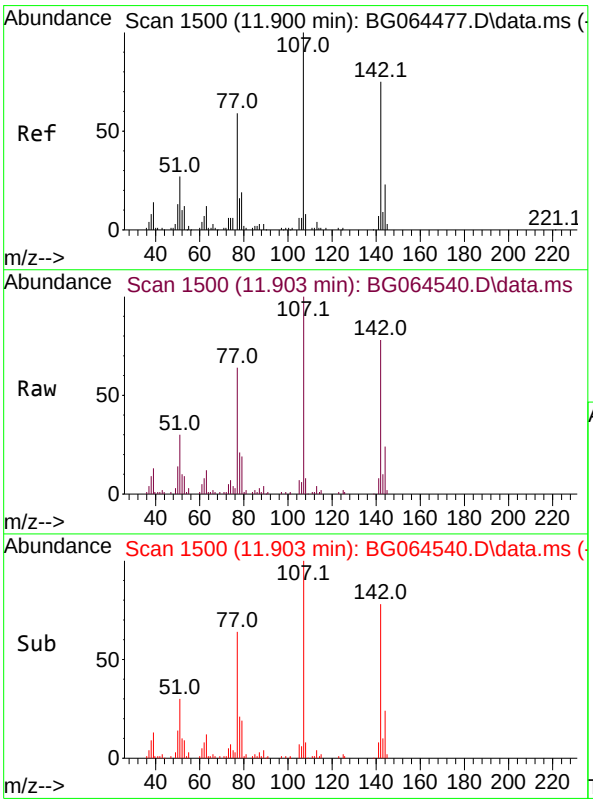
Ion	Ratio	Lower	Upper
113	100		
55	191.2	162.0	202.0
56	147.8	134.6	174.6



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

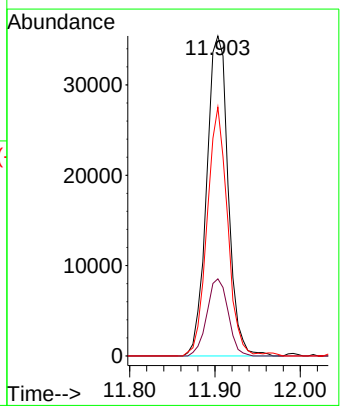
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

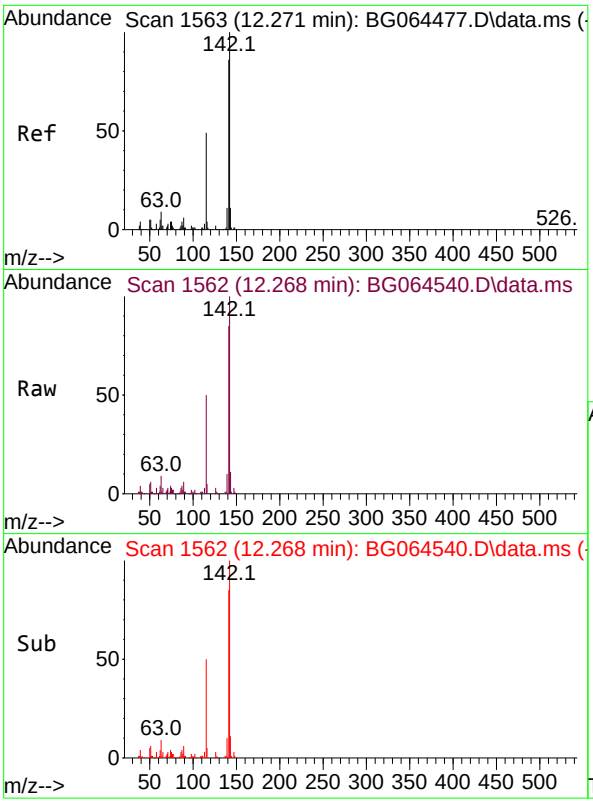


#36
4-Chloro-3-methylphenol
Concen: 58.297 ng
RT: 11.903 min Scan# 1500
Delta R.T. 0.011 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:107 Resp: 62134

Ion	Ratio	Lower	Upper
107	100		
144	24.1	18.7	28.1
142	77.7	60.2	90.2

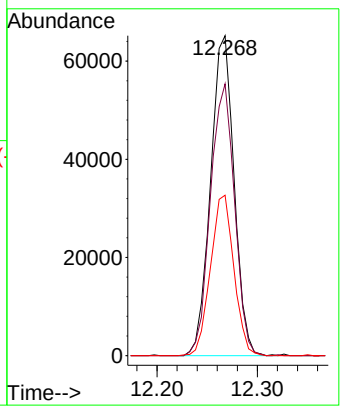




#37
2-Methylnaphthalene
Concen: 49.980 ng
RT: 12.268 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:142 Resp: 10621

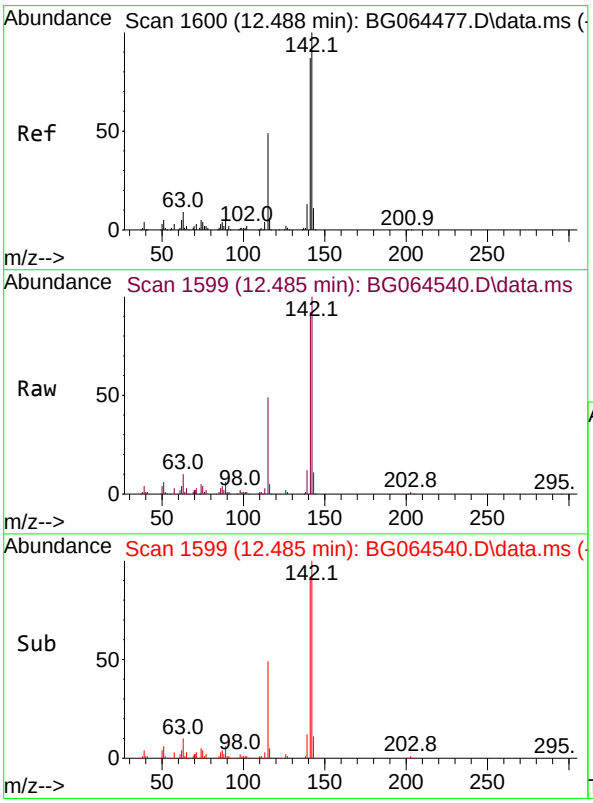
Ion	Ratio	Lower	Upper
142	100		
141	84.9	68.7	103.1
115	50.1	39.3	58.9



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

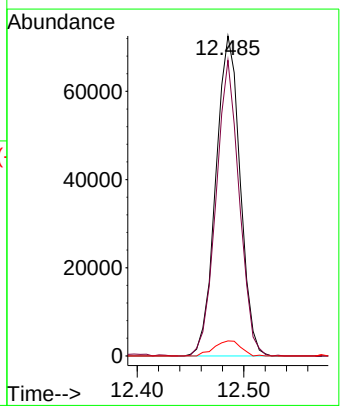
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

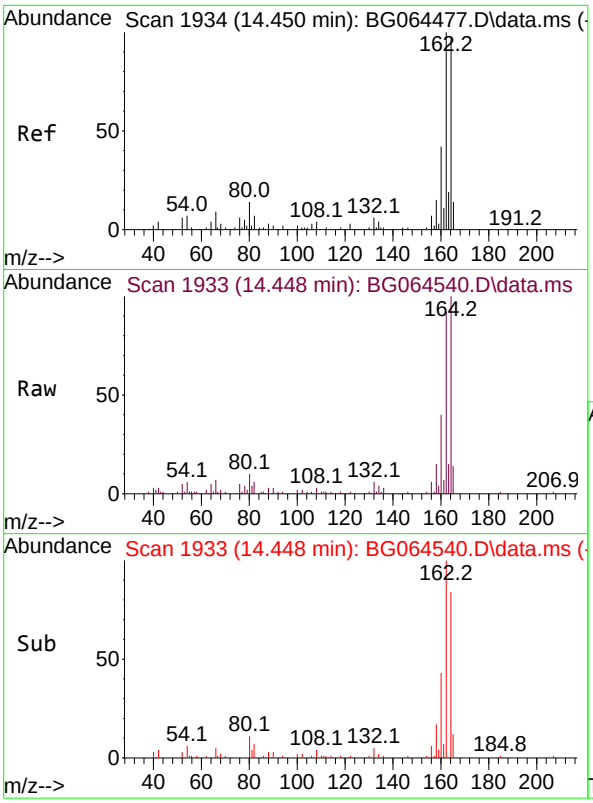


#38
1-Methylnaphthalene
Concen: 54.289 ng
RT: 12.485 min Scan# 1599
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:142 Resp: 115037

Ion	Ratio	Lower	Upper
142	100		
141	92.4	69.8	104.8
116	4.7	4.6	6.8

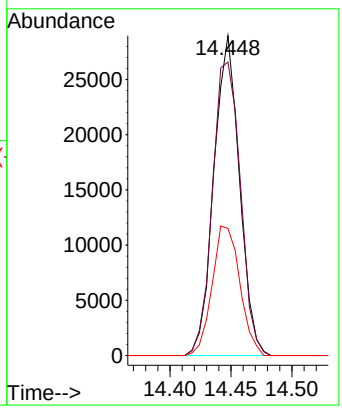




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.448 min Scan# 19
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:164 Resp: 4232

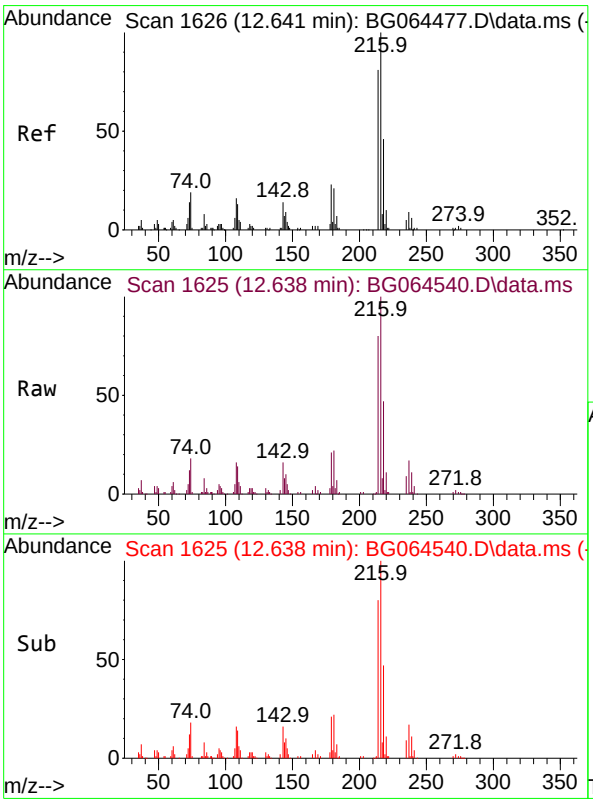
Ion	Ratio	Lower	Upper
164	100		
162	91.7	82.2	123.2
160	39.7	34.3	51.5



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

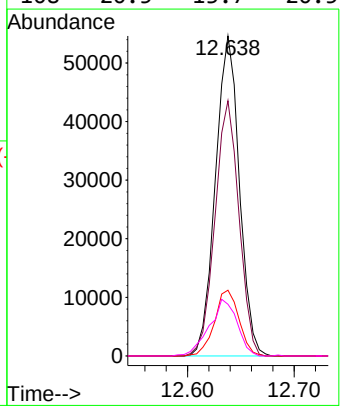
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

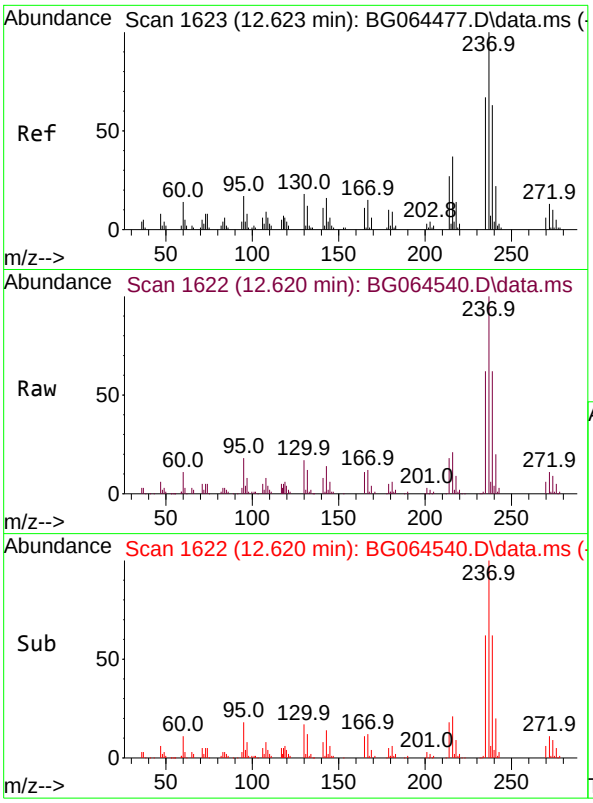


#40
1,2,4,5-Tetrachlorobenzene
Concen: 62.405 ng
RT: 12.638 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:216 Resp: 85281

Ion	Ratio	Lower	Upper
216	100		
214	79.6	62.5	93.7
179	21.0	17.0	25.6
108	20.5	13.7	20.5

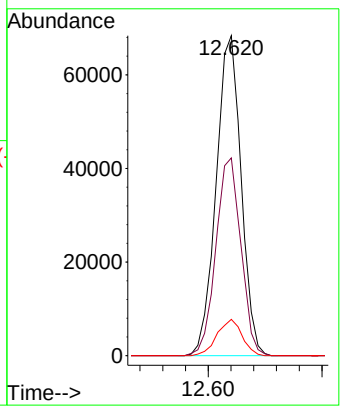




#41
Hexachlorocyclopentadiene
Concen: 145.696 ng
RT: 12.620 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:237 Resp: 10414

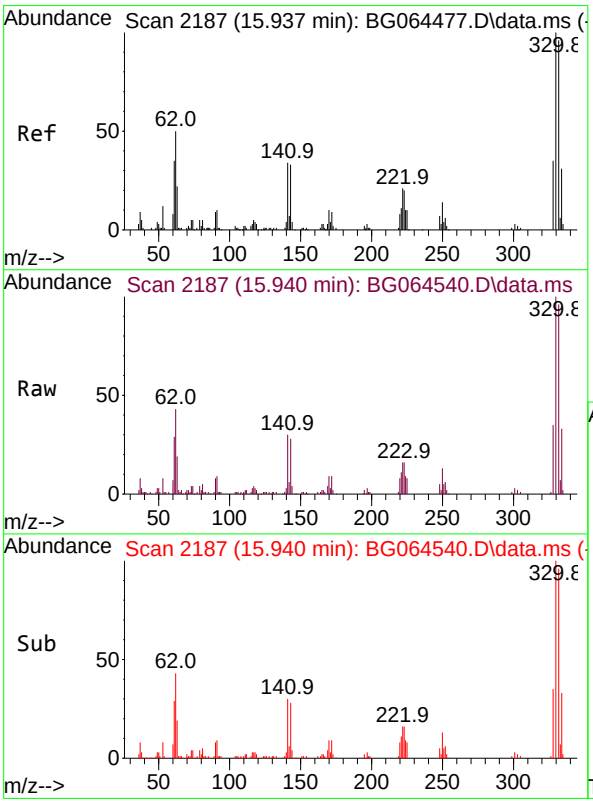
Ion	Ratio	Lower	Upper
237	100		
235	61.8	46.9	86.9
272	11.3	0.0	32.6



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

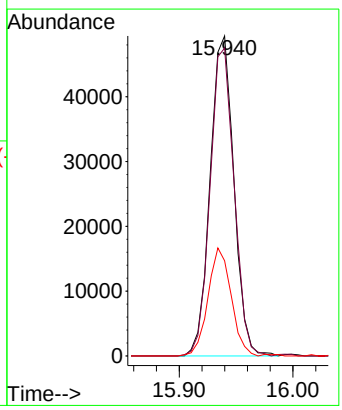
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

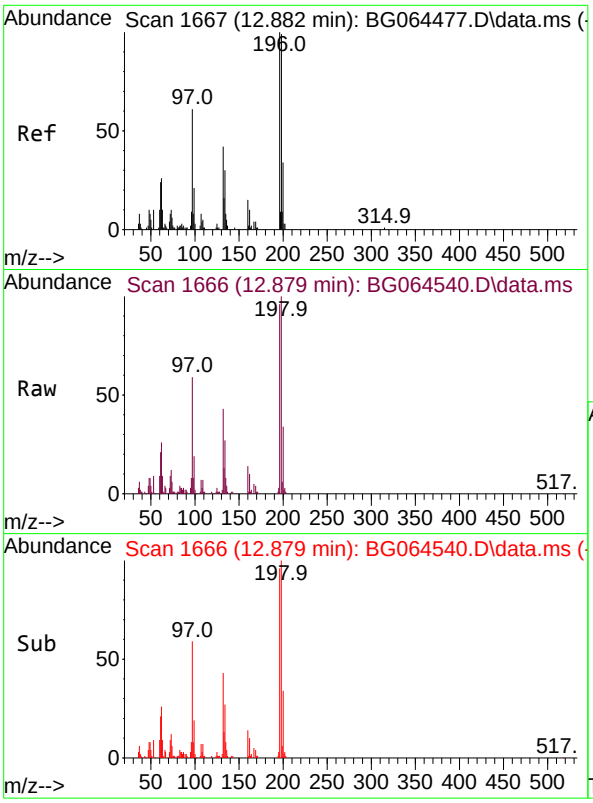


#42
2,4,6-Tribromophenol
Concen: 93.454 ng
RT: 15.940 min Scan# 2187
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:330 Resp: 71696

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.4	116.0
141	32.9	25.8	38.6





#43
2,4,6-Trichlorophenol
Concen: 57.421 ng
RT: 12.879 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

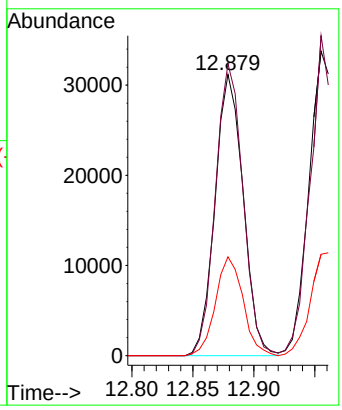
Tgt Ion:196 Resp: 5016

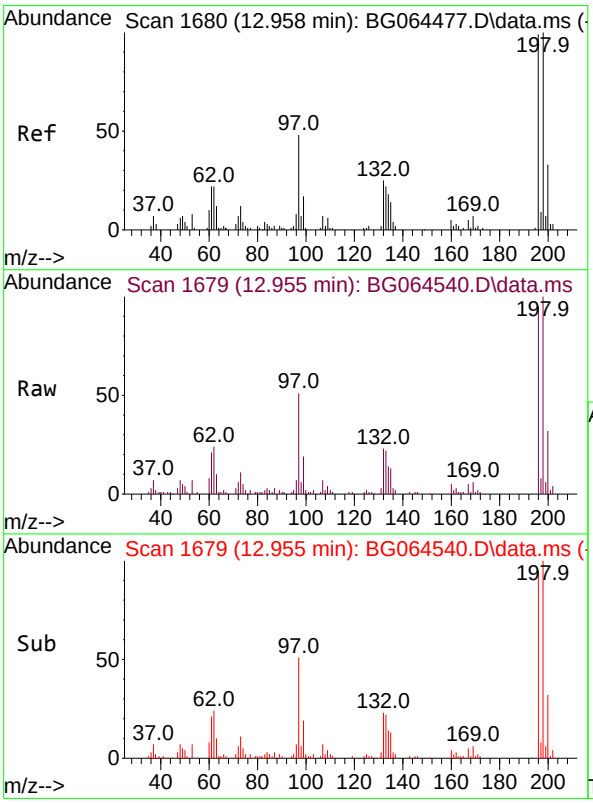
Ion	Ratio	Lower	Upper
196	100		
198	103.8	79.3	118.9
200	35.1	27.4	41.2

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

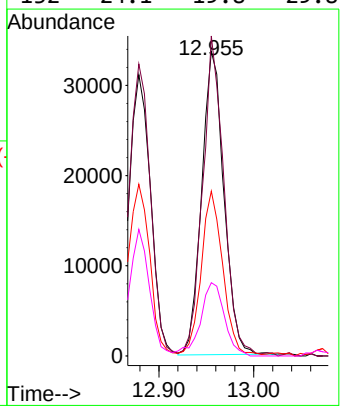


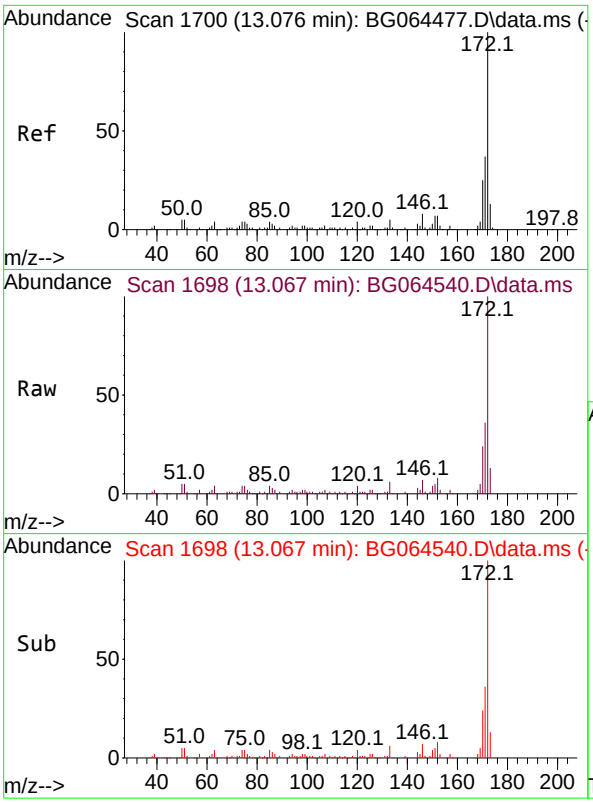


#44
2,4,5-Trichlorophenol
Concen: 56.296 ng
RT: 12.955 min Scan# 1679
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:196 Resp: 54905

Ion	Ratio	Lower	Upper
196	100		
198	105.1	80.3	120.5
97	54.1	39.4	59.0
132	24.1	19.8	29.8

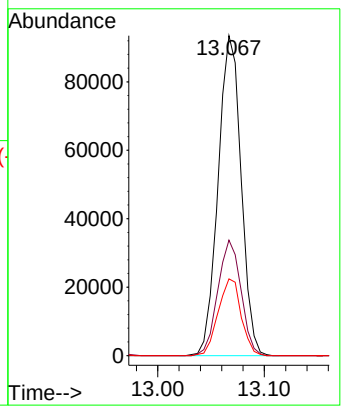




#45
2-Fluorobiphenyl
Concen: 48.754 ng
RT: 13.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:172 Resp: 13999

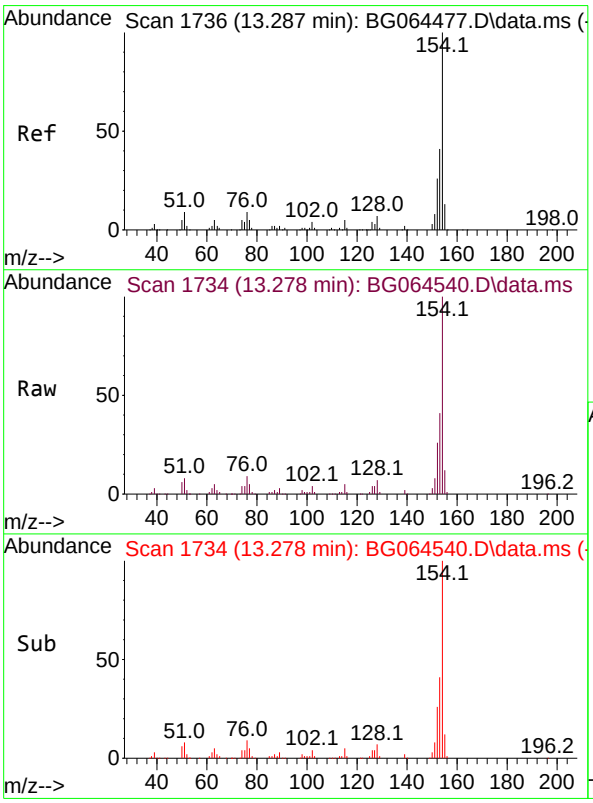
Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	24.0	20.2	30.2



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

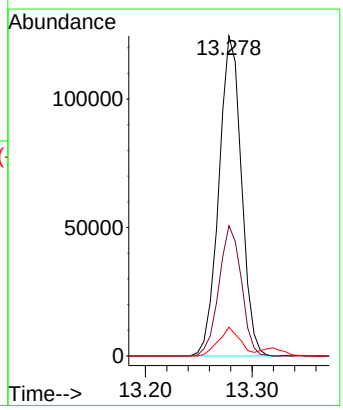
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

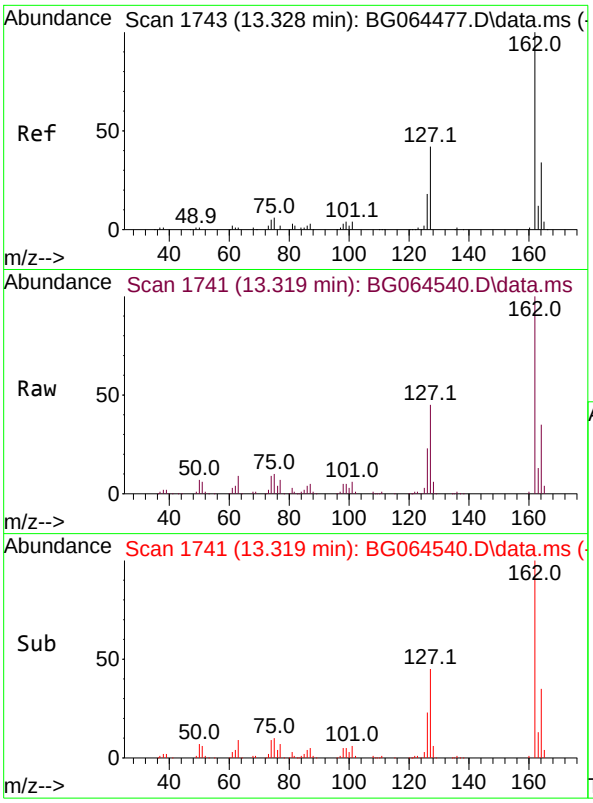


#46
1,1'-Biphenyl
Concen: 60.226 ng
RT: 13.278 min Scan# 1734
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:154 Resp: 183332

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.7	60.7
76	9.0	0.0	29.3

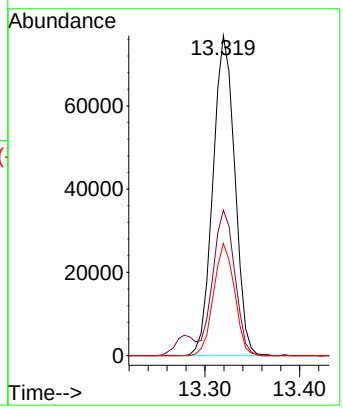




#47
2-Chloronaphthalene
Concen: 54.256 ng
RT: 13.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:162 Resp: 12331

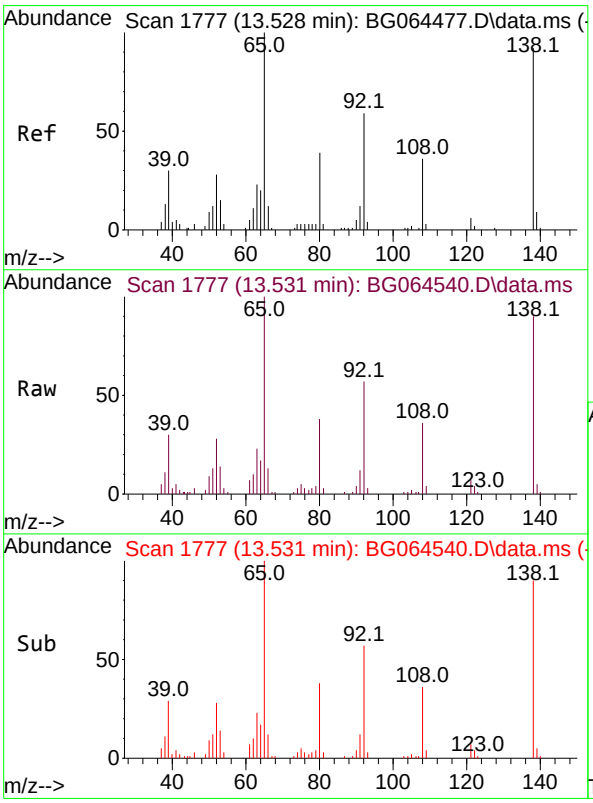
Ion	Ratio	Lower	Upper
162	100		
127	45.5	35.8	53.8
164	35.0	27.2	40.8



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

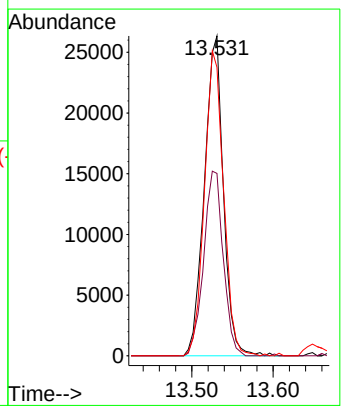
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

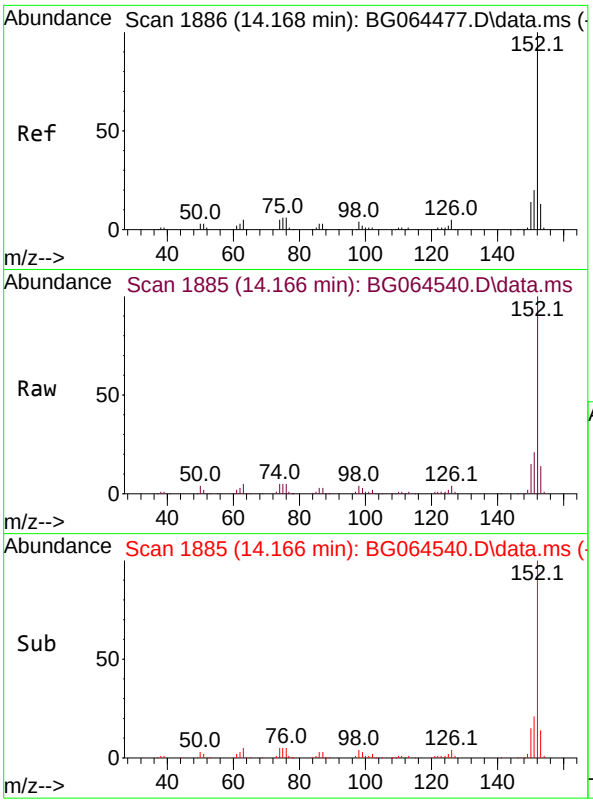


#48
2-Nitroaniline
Concen: 55.296 ng
RT: 13.531 min Scan# 1777
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion: 65 Resp: 42893

Ion	Ratio	Lower	Upper
65	100		
92	57.0	47.0	70.6
138	90.2	73.5	110.3

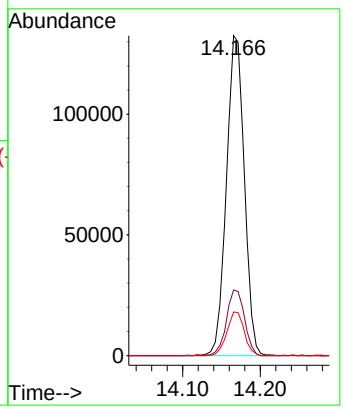




#49
Acenaphthylene
Concen: 63.167 ng
RT: 14.166 min Scan# 18
Delta R.T. -0.006 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:152 Resp: 213116

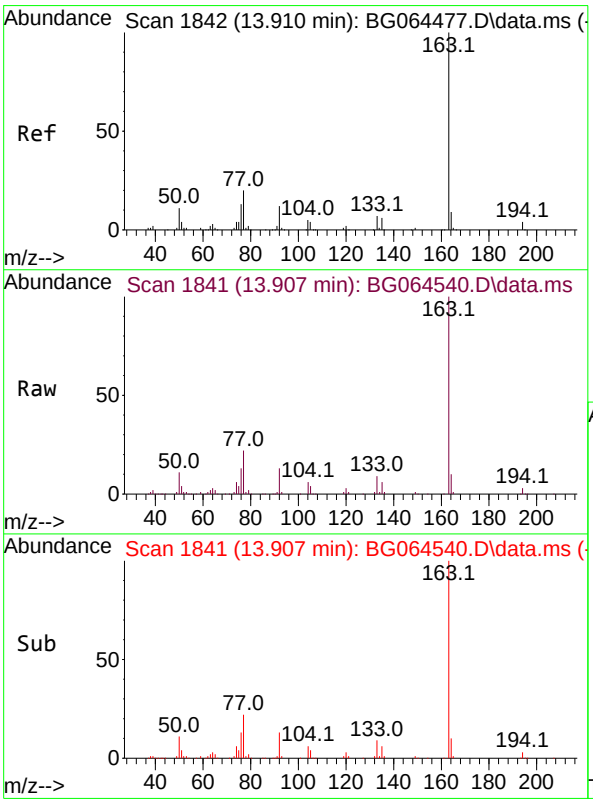
Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.8	23.6
153	13.6	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

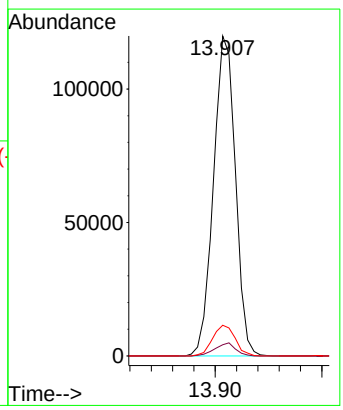
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

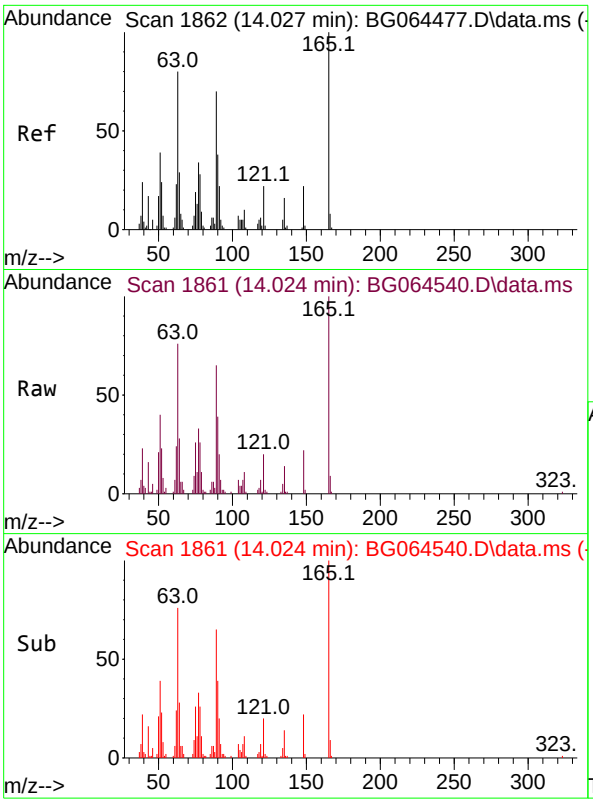


#50
Dimethylphthalate
Concen: 51.757 ng
RT: 13.907 min Scan# 1841
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:163 Resp: 171566

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.9	4.3
164	9.6	7.4	11.0





#51
2,6-Dinitrotoluene
Concen: 54.581 ng
RT: 14.024 min Scan# 18
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

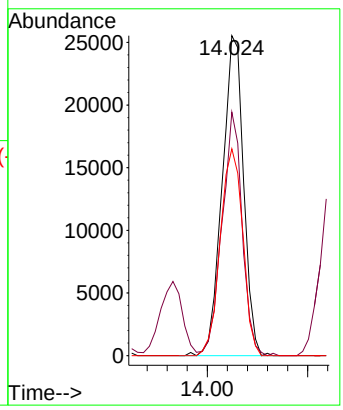
Tgt Ion:165 Resp: 3768

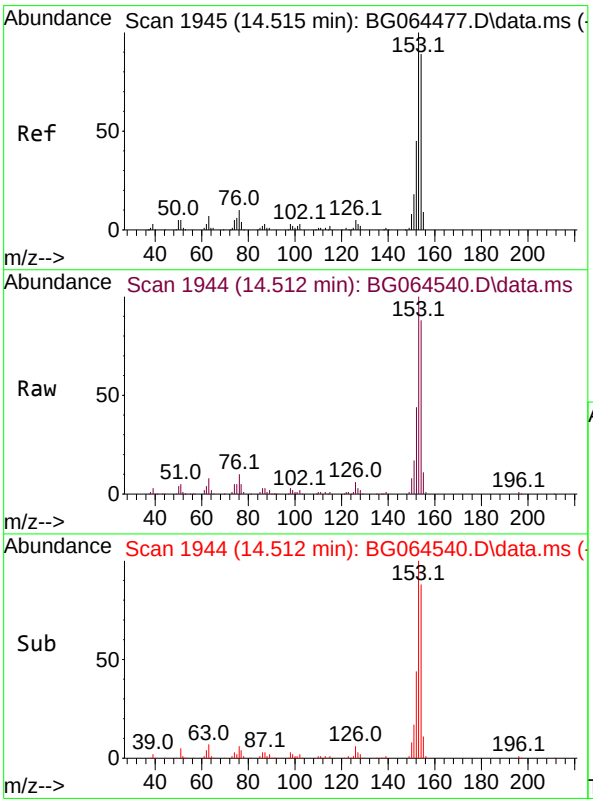
Ion	Ratio	Lower	Upper
165	100		
63	76.1	63.9	95.9
89	64.6	56.1	84.1

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

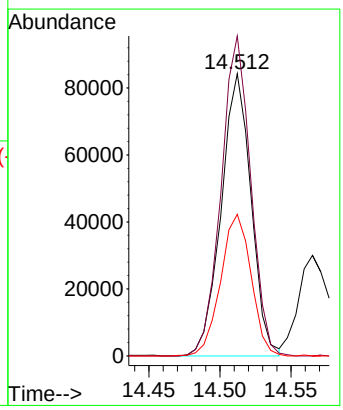


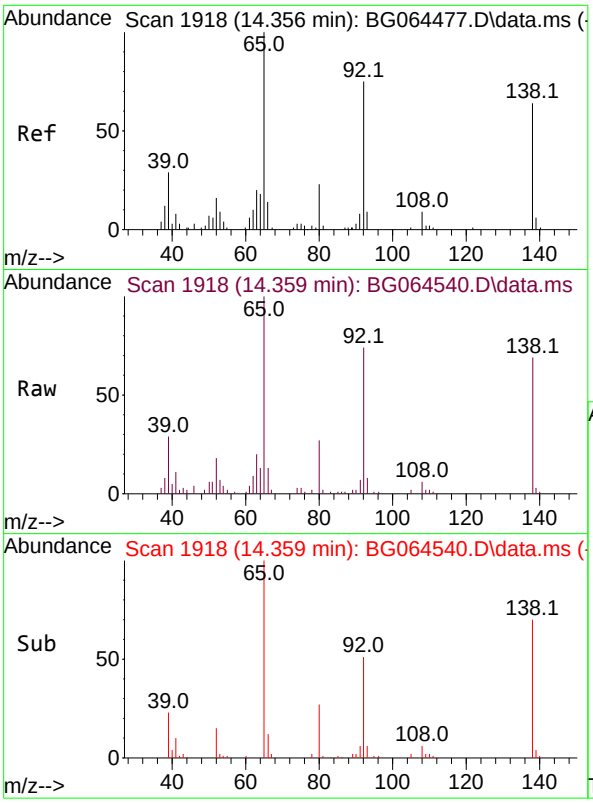


#52
Acenaphthene
Concen: 52.566 ng
RT: 14.512 min Scan# 1944
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:154 Resp: 123214

Ion	Ratio	Lower	Upper
154	100		
153	113.4	90.2	135.4
152	50.2	40.2	60.4





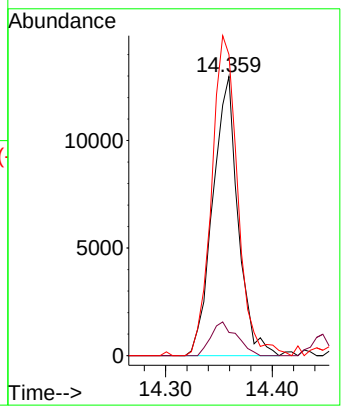
#53
3-Nitroaniline
Concen: 33.537 ng
RT: 14.359 min Scan# 19
Delta R.T. 0.011 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

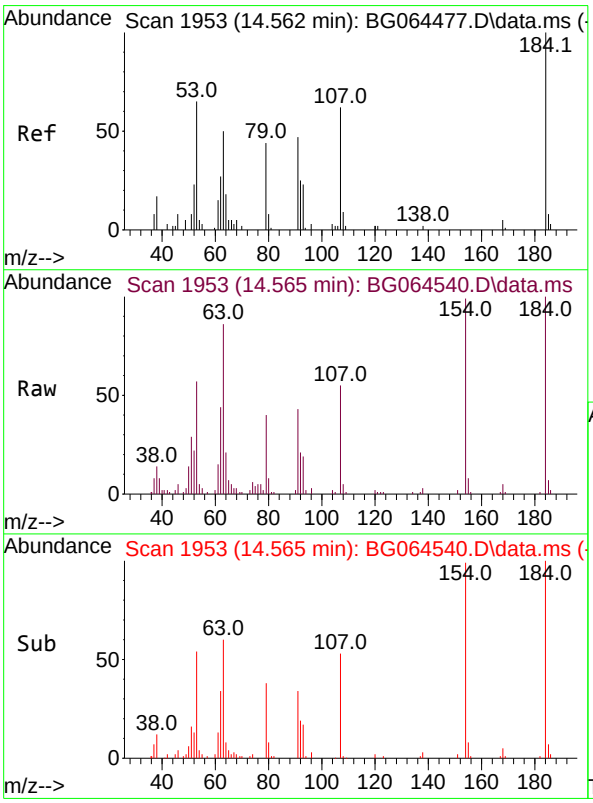
Tgt Ion:138 Resp: 2135

Ion	Ratio	Lower	Upper
138	100		
108	8.3	10.6	15.8#
92	107.9	93.2	139.8

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

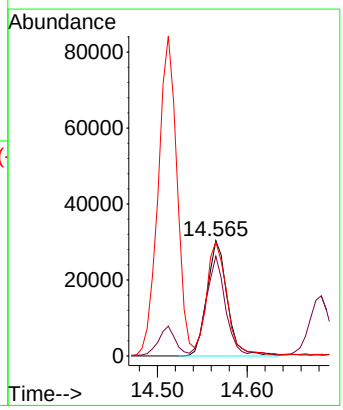


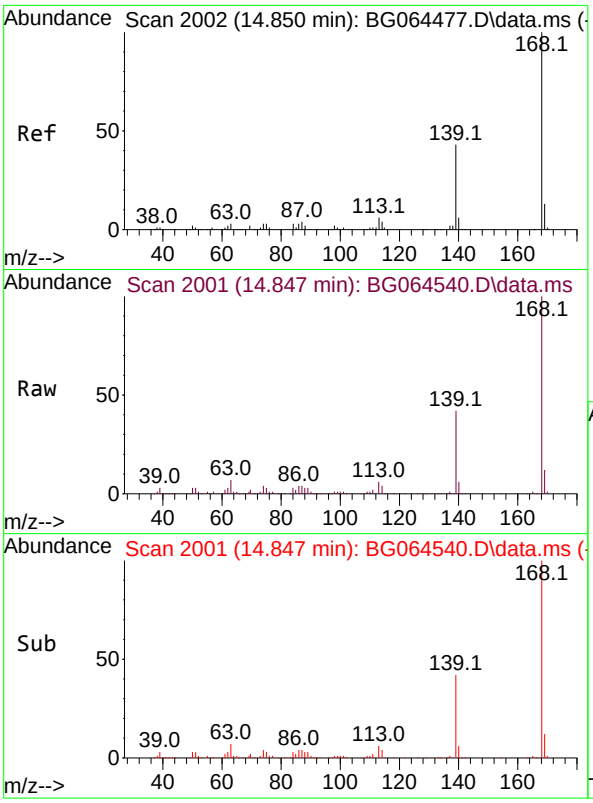


#54
2,4-Dinitrophenol
Concen: 94.653 ng
RT: 14.565 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:184 Resp: 47393

Ion	Ratio	Lower	Upper
184	100		
63	86.5	69.0	103.4
154	98.9	95.6	143.4

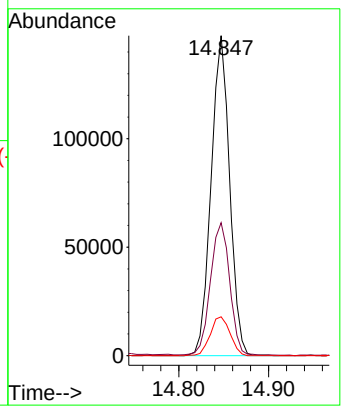




#55
Dibenzofuran
Concen: 54.671 ng
RT: 14.847 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:168 Resp: 21159

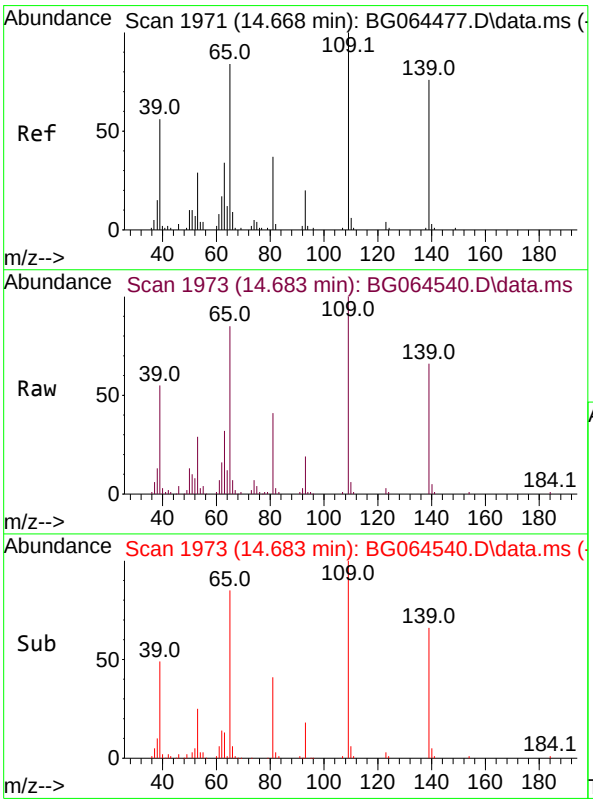
Ion	Ratio	Lower	Upper
168	100		
139	41.5	34.0	51.0
169	12.1	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

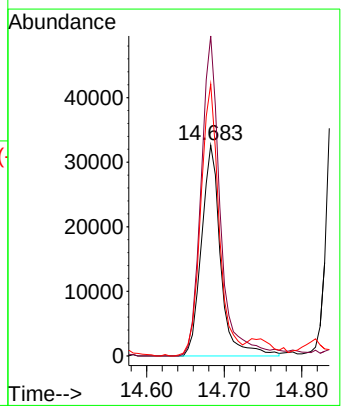
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

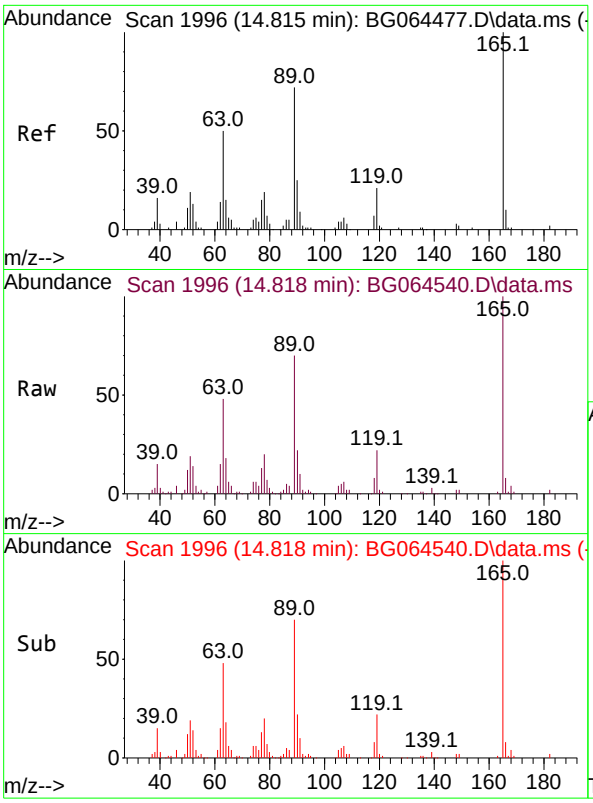


#56
4-Nitrophenol
Concen: 111.664 ng
RT: 14.683 min Scan# 1973
Delta R.T. 0.017 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:139 Resp: 55987

Ion	Ratio	Lower	Upper
139	100		
109	151.9	111.8	151.8#
65	129.0	91.1	131.1

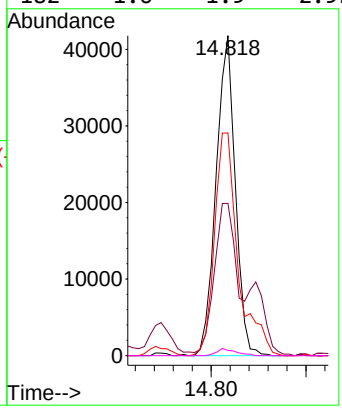




#57
2,4-Dinitrotoluene
Concen: 55.649 ng
RT: 14.818 min Scan# 19
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:165 Resp: 5874

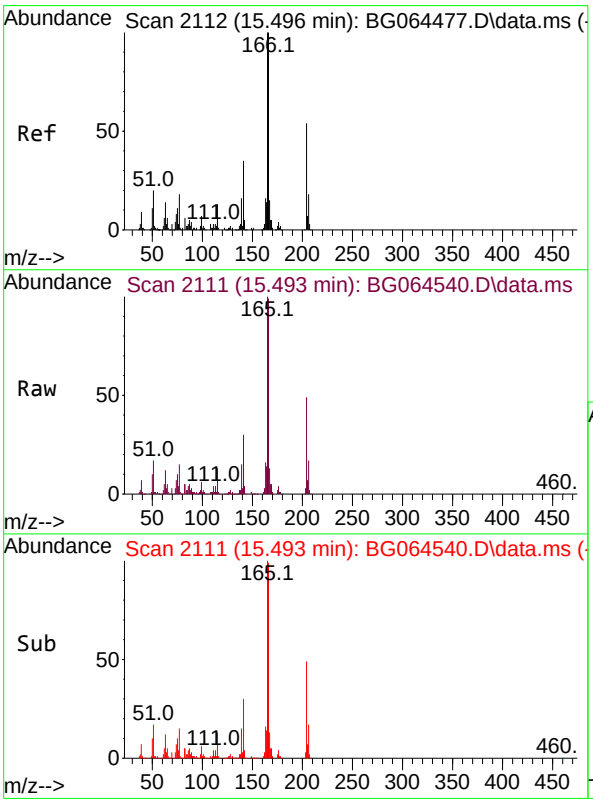
Ion	Ratio	Lower	Upper
165	100		
63	47.6	40.4	60.6
89	69.6	57.3	85.9
182	1.6	1.9	2.9#



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations APPROVED

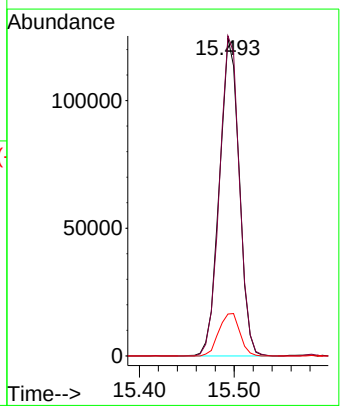
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

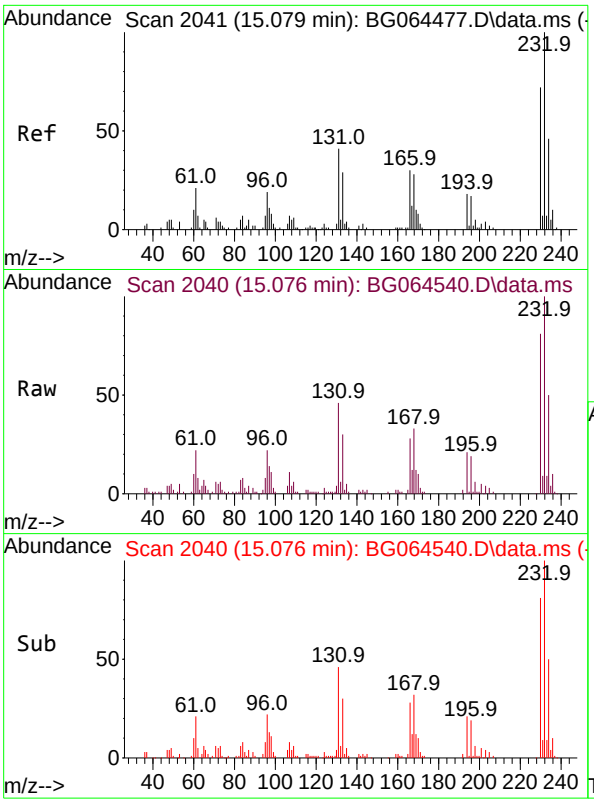


#58
Fluorene
Concen: 56.036 ng
RT: 15.493 min Scan# 2111
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:166 Resp: 180297

Ion	Ratio	Lower	Upper
166	100		
165	100.6	79.8	119.6
167	13.2	11.7	17.5

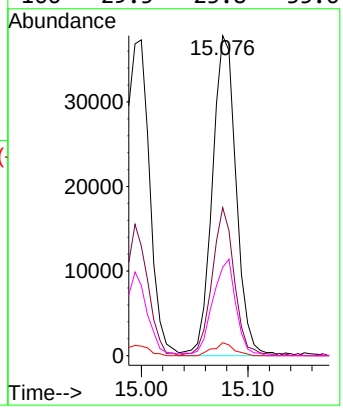




#59
2,3,4,6-Tetrachlorophenol
Concen: 58.889 ng
RT: 15.076 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:232 Resp: 5861

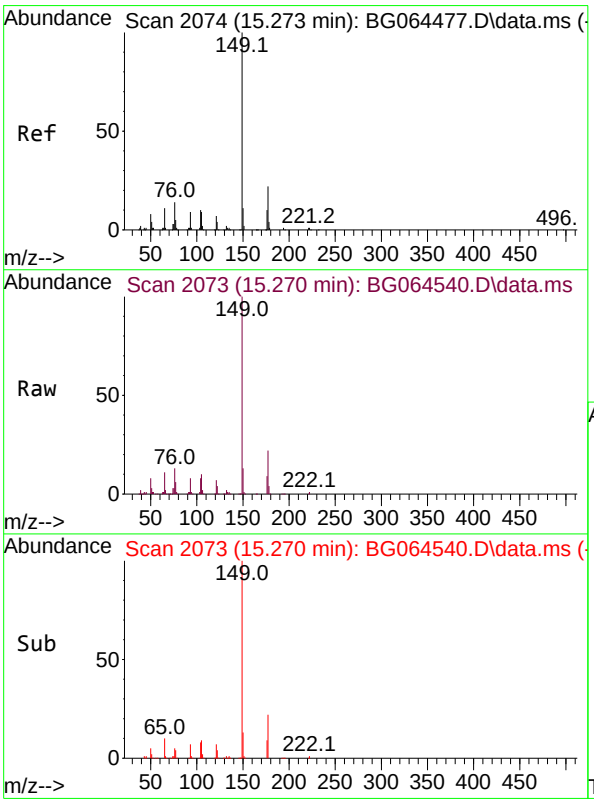
Ion	Ratio	Lower	Upper
232	100		
131	43.5	35.0	52.4
130	3.5	2.0	3.0
166	29.5	23.8	35.6



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations APPROVED

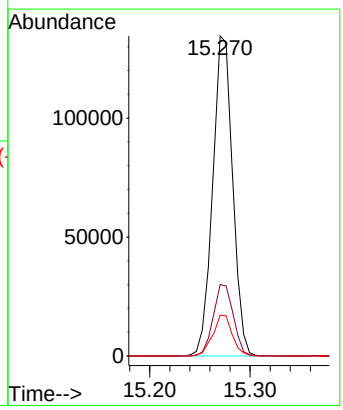
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

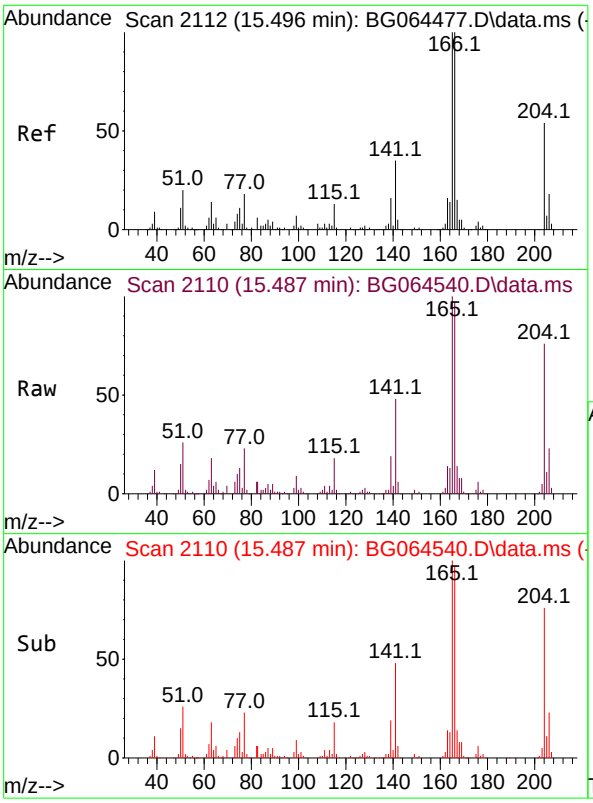


#60
Diethylphthalate
Concen: 52.339 ng
RT: 15.270 min Scan# 2073
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:149 Resp: 186116

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.4	26.0
150	12.7	9.1	13.7

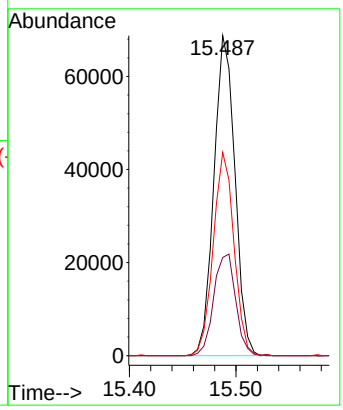




#61
4-Chlorophenyl-phenylether
Concen: 53.782 ng
RT: 15.487 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:204 Resp: 9447

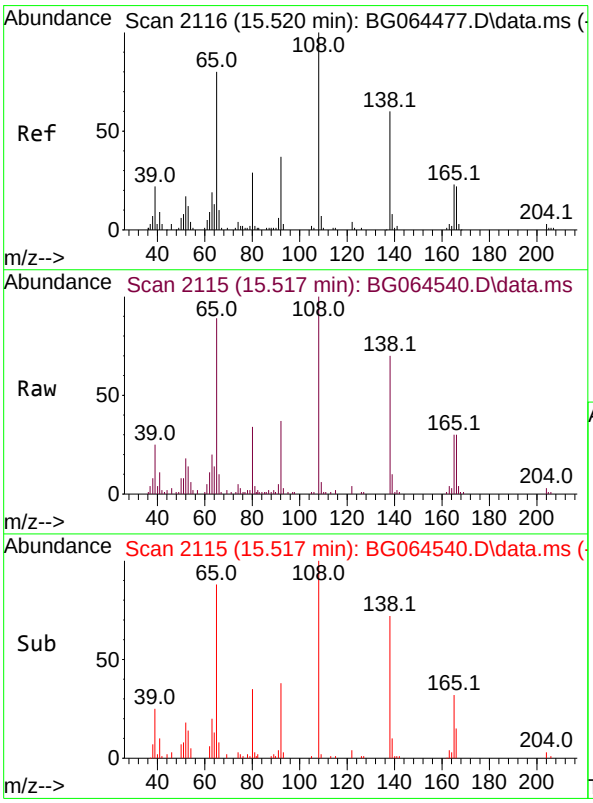
Ion	Ratio	Lower	Upper
204	100		
206	30.7	27.1	40.7
141	63.5	51.5	77.3



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

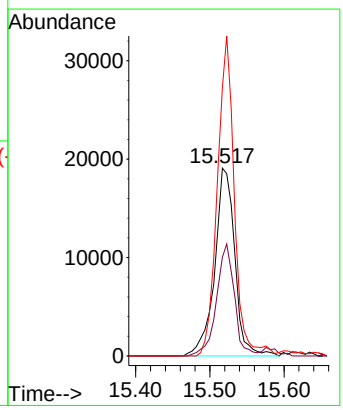
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

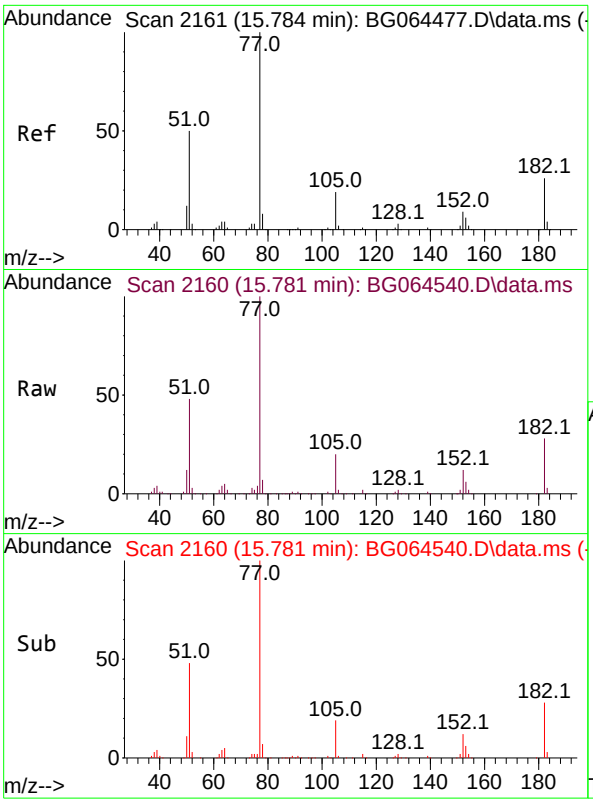


#62
4-Nitroaniline
Concen: 54.205 ng
RT: 15.517 min Scan# 2115
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:138 Resp: 35978

Ion	Ratio	Lower	Upper
138	100		
92	52.5	42.3	82.3
108	143.0	147.7	187.7#

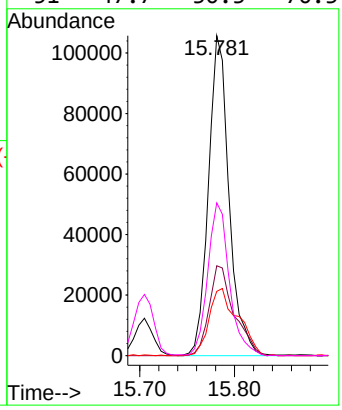




#63
Azobenzene
Concen: 58.000 ng
RT: 15.781 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion: 77 Resp: 15973

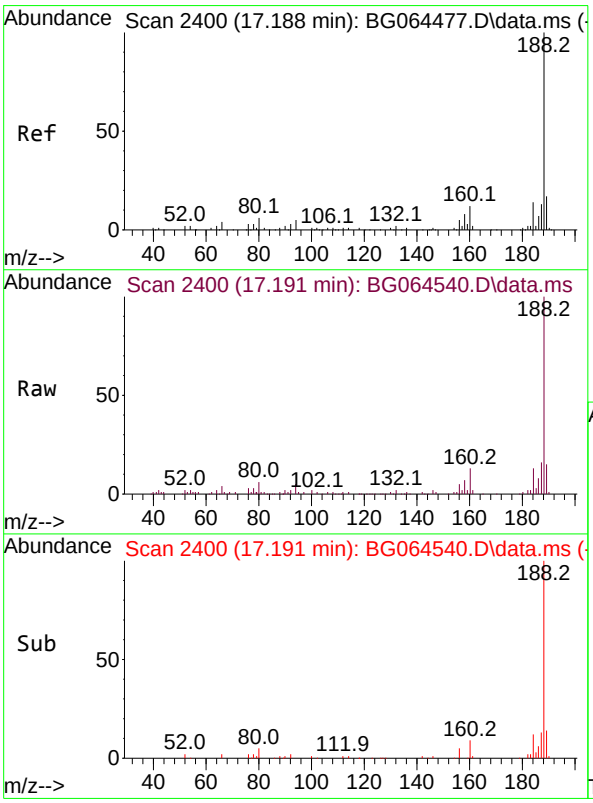
Ion	Ratio	Lower	Upper
77	100		
182	28.1	6.3	46.3
105	20.1	0.0	38.7
51	47.7	30.3	70.3



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

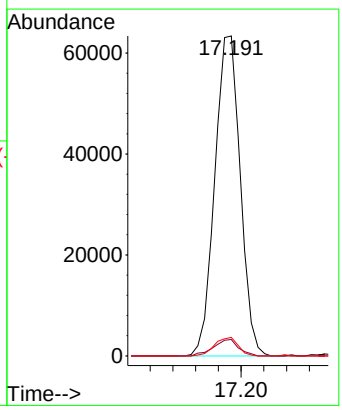
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

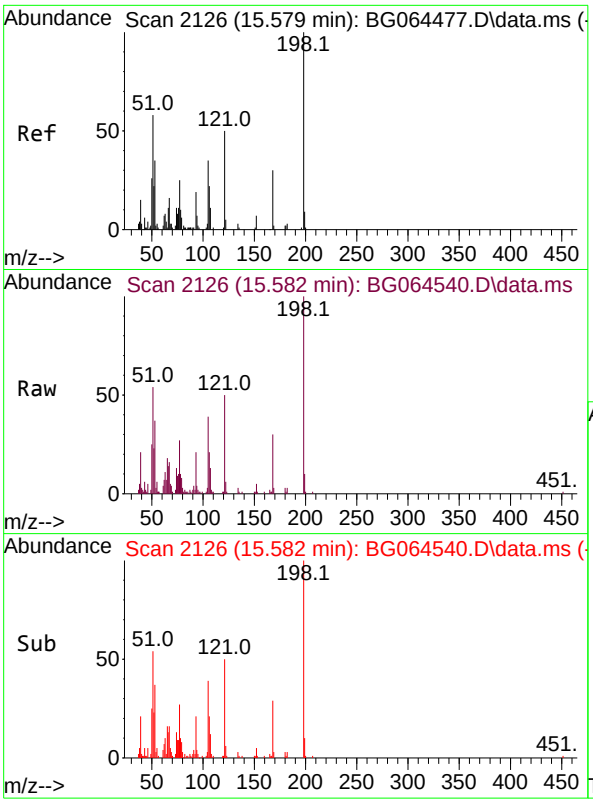


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.191 min Scan# 2400
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:188 Resp: 98552

Ion	Ratio	Lower	Upper
188	100		
94	5.1	3.7	5.5
80	5.8	4.5	6.7

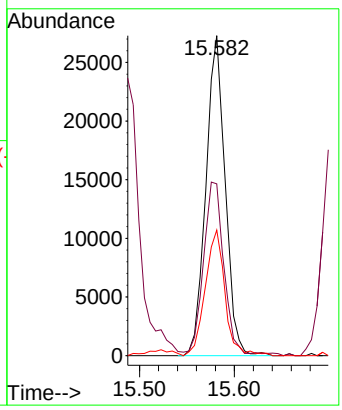




#65
4,6-Dinitro-2-methylphenol
Concen: 56.259 ng
RT: 15.582 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:198 Resp: 3860

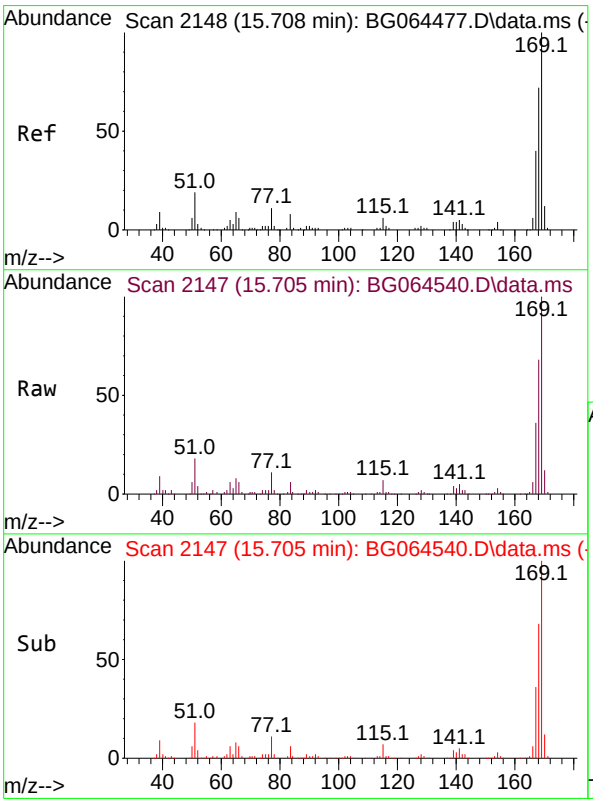
Ion	Ratio	Lower	Upper
198	100		
51	53.7	39.0	79.0
105	39.2	15.8	55.8



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

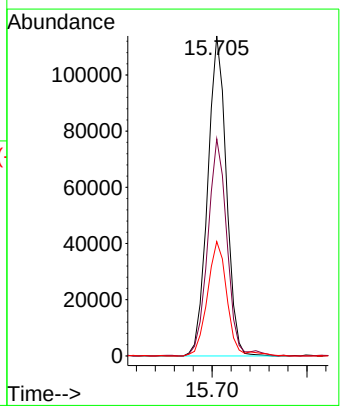
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

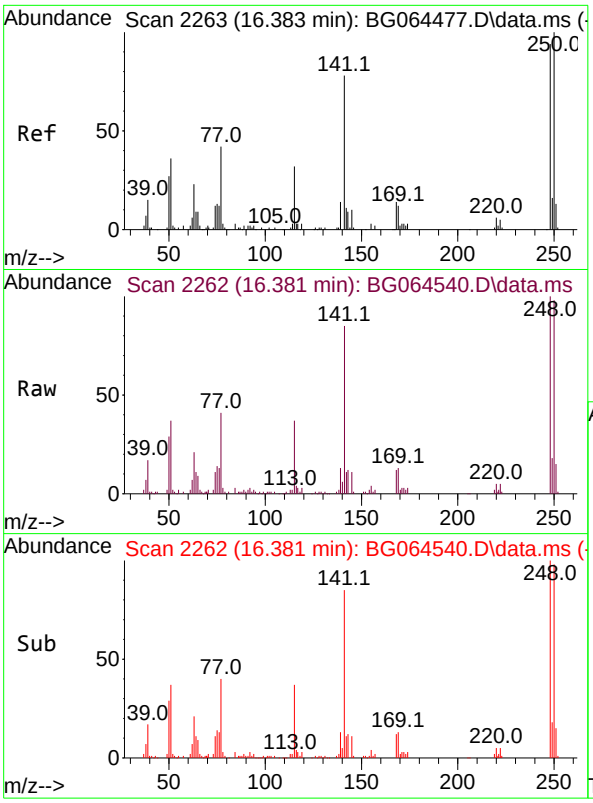


#66
n-Nitrosodiphenylamine
Concen: 59.191 ng
RT: 15.705 min Scan# 2147
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:169 Resp: 155774

Ion	Ratio	Lower	Upper
169	100		
168	67.8	57.8	86.6
167	35.7	31.7	47.5

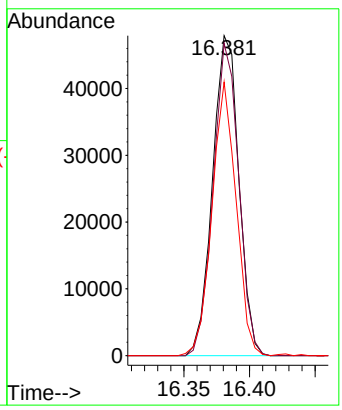




#67
4-Bromophenyl-phenylether
Concen: 57.595 ng
RT: 16.381 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:248 Resp: 6679

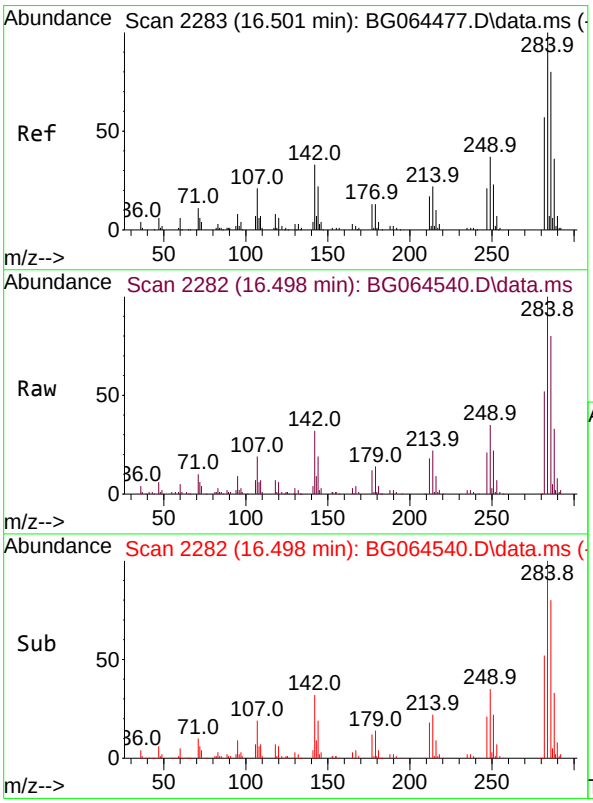
Ion	Ratio	Lower	Upper
248	100		
250	97.5	85.3	127.9
141	85.5	66.2	99.2



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

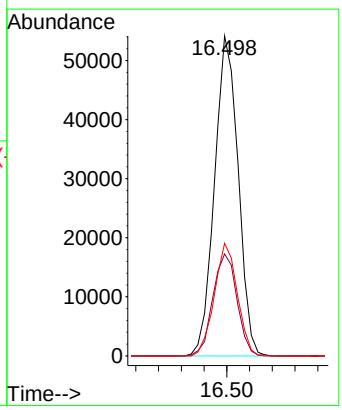
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

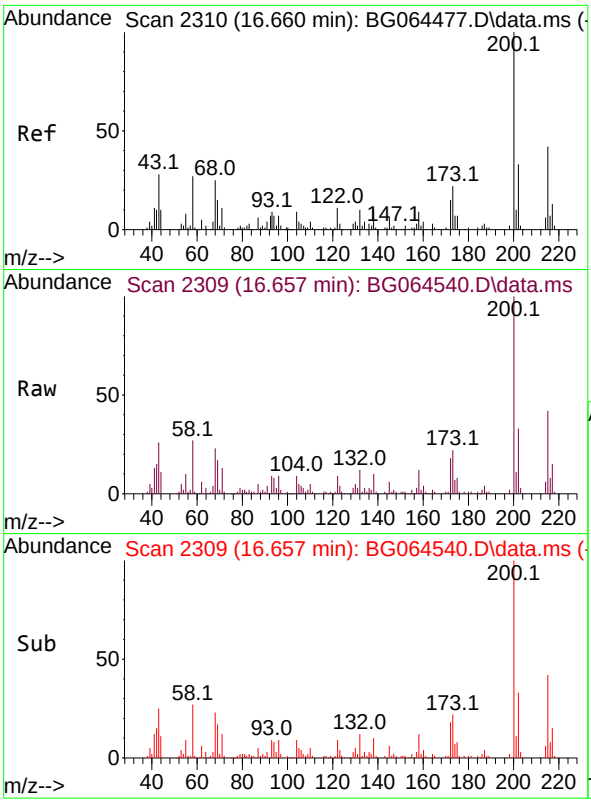


#68
Hexachlorobenzene
Concen: 58.863 ng
RT: 16.498 min Scan# 2282
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:284 Resp: 78114

Ion	Ratio	Lower	Upper
284	100		
142	31.9	26.2	39.2
249	35.2	29.4	44.0

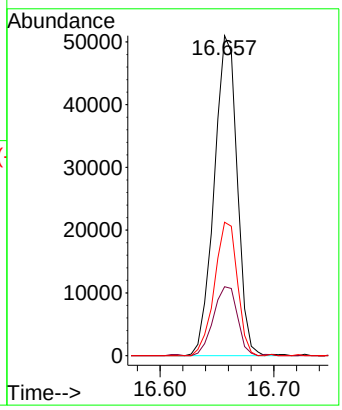




#69
Atrazine
Concen: 61.166 ng
RT: 16.657 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:200 Resp: 7161

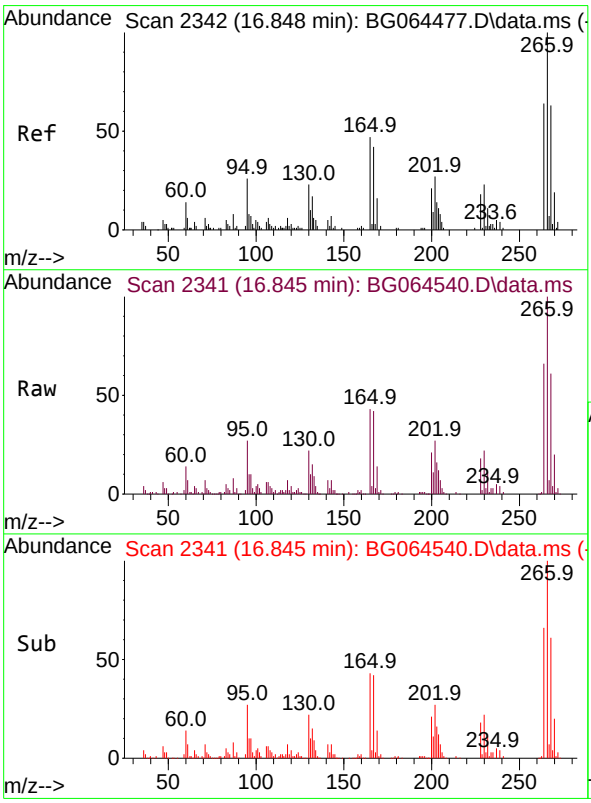
Ion	Ratio	Lower	Upper
200	100		
173	21.5	2.5	42.5
215	41.7	21.5	61.5



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

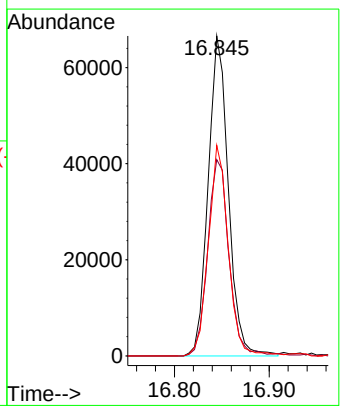
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

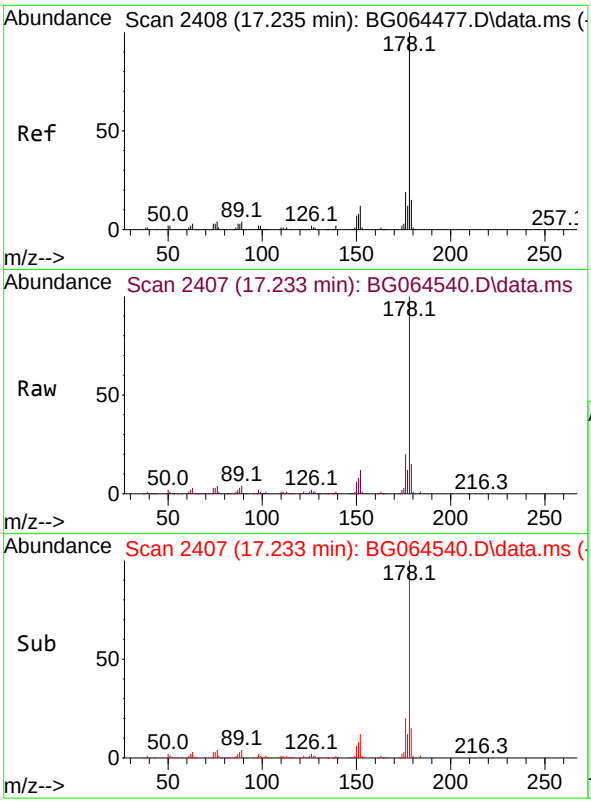


#70
Pentachlorophenol
Concen: 127.110 ng
RT: 16.845 min Scan# 2341
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:266 Resp: 98627

Ion	Ratio	Lower	Upper
266	100		
268	61.3	50.6	75.8
264	65.8	51.2	76.8

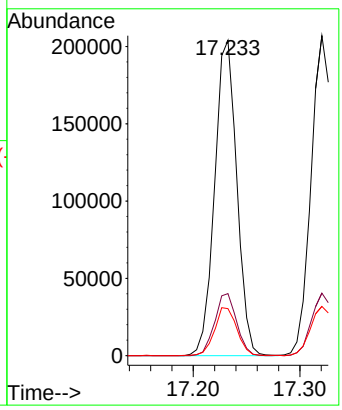




#71
Phenanthrene
Concen: 57.321 ng
RT: 17.233 min Scan# 24
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:178 Resp: 29542

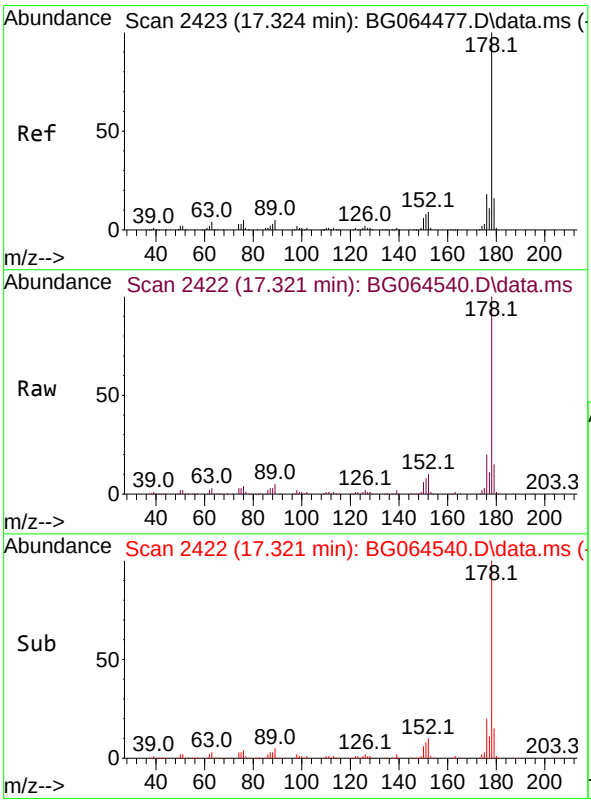
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.2	22.8
179	14.9	11.8	17.6



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

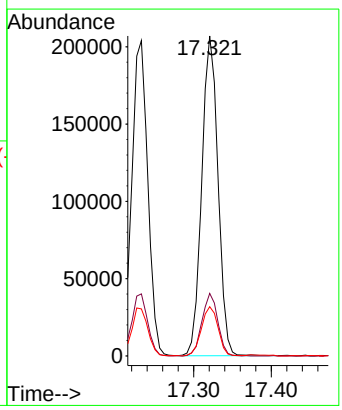
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

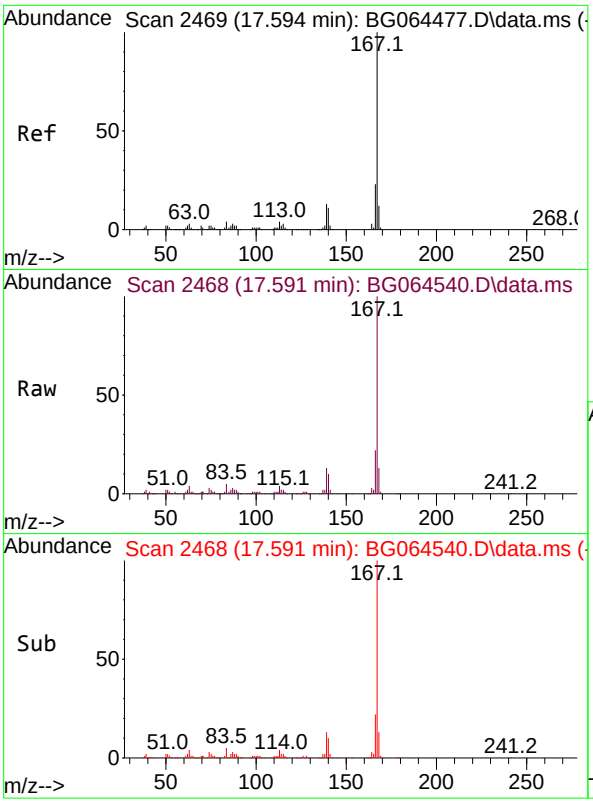


#72
Anthracene
Concen: 58.104 ng
RT: 17.321 min Scan# 2422
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:178 Resp: 300419

Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.6	21.8
179	15.4	12.5	18.7

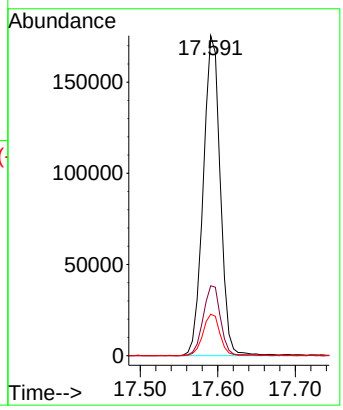




#73
Carbazole
Concen: 59.777 ng
RT: 17.591 min Scan# 24
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:167 Resp: 26715

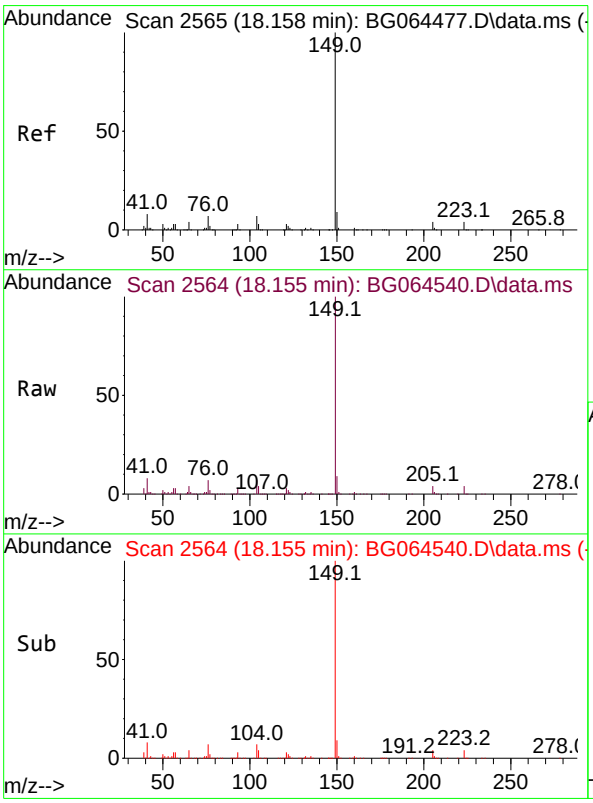
Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.6	27.8
139	12.9	10.2	15.4



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

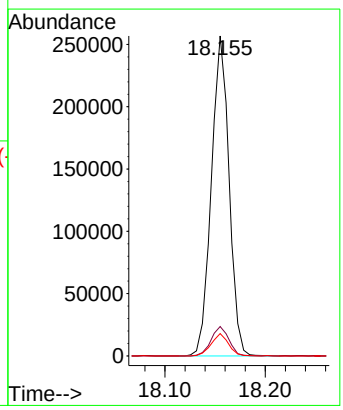
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

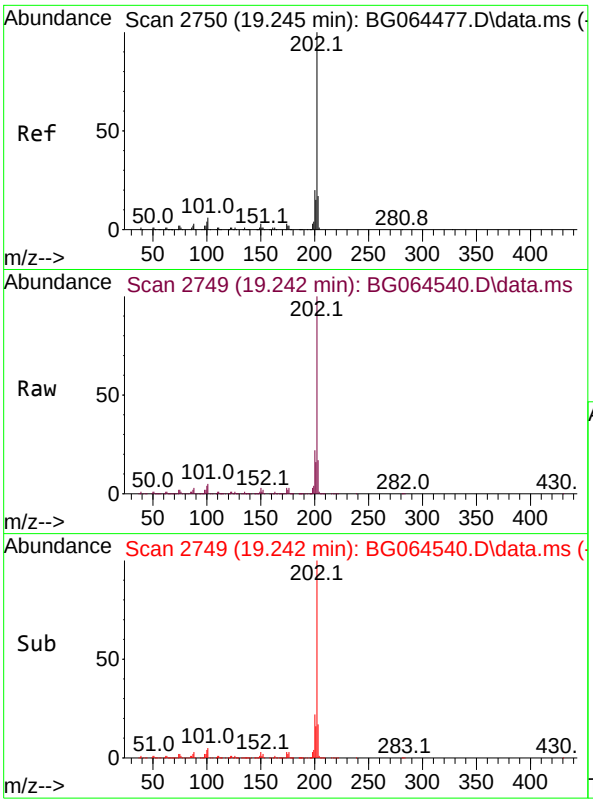


#74
Di-n-butylphthalate
Concen: 57.749 ng
RT: 18.155 min Scan# 2564
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:149 Resp: 315058

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	7.0	5.3	7.9





#75
Fluoranthene
Concen: 61.587 ng
RT: 19.242 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

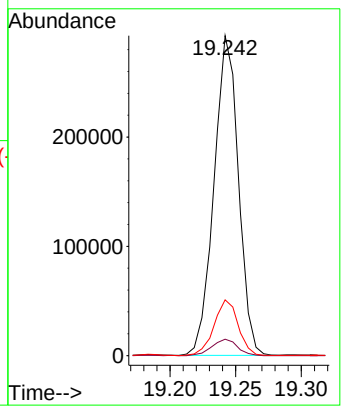
Tgt Ion:202 Resp: 37919

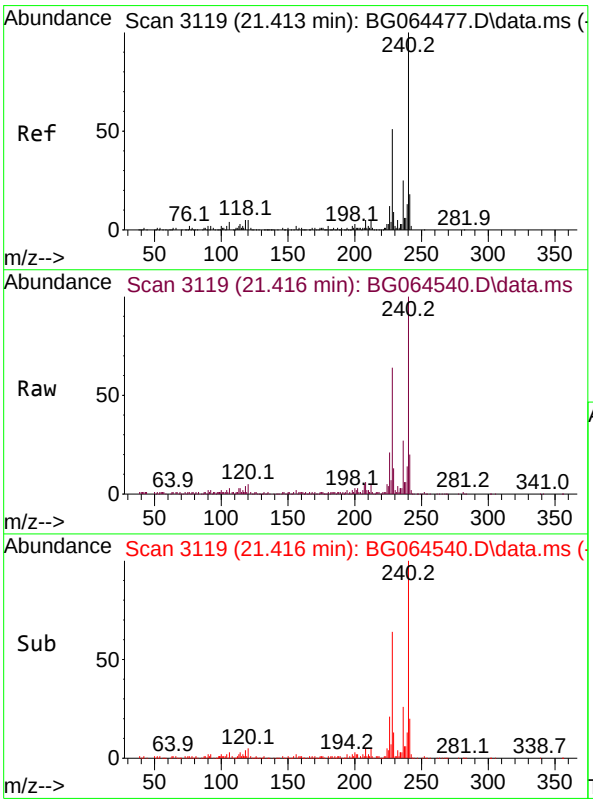
Ion	Ratio	Lower	Upper
202	100		
101	5.1	0.0	25.7
203	17.5	0.0	36.6

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

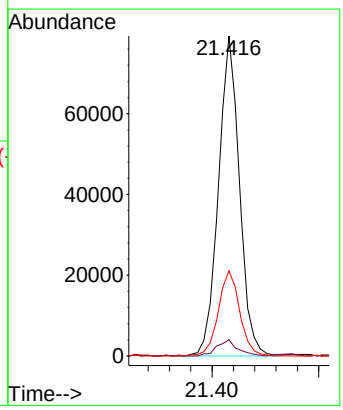


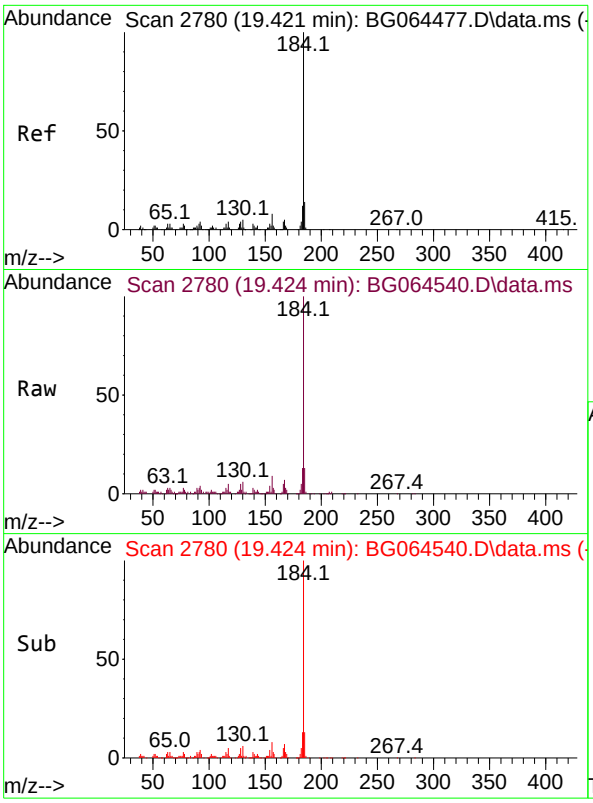


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.416 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:240 Resp: 108444

Ion	Ratio	Lower	Upper
240	100		
120	5.0	4.3	6.5
236	26.6	20.4	30.6

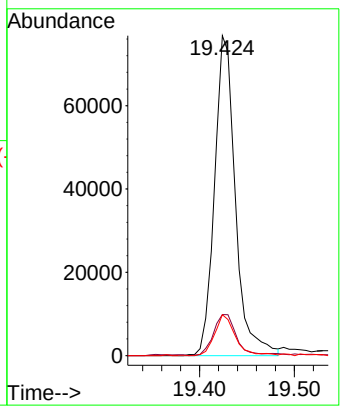




#77
Benzidine
Concen: 43.567 ng
RT: 19.424 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:184 Resp: 11756

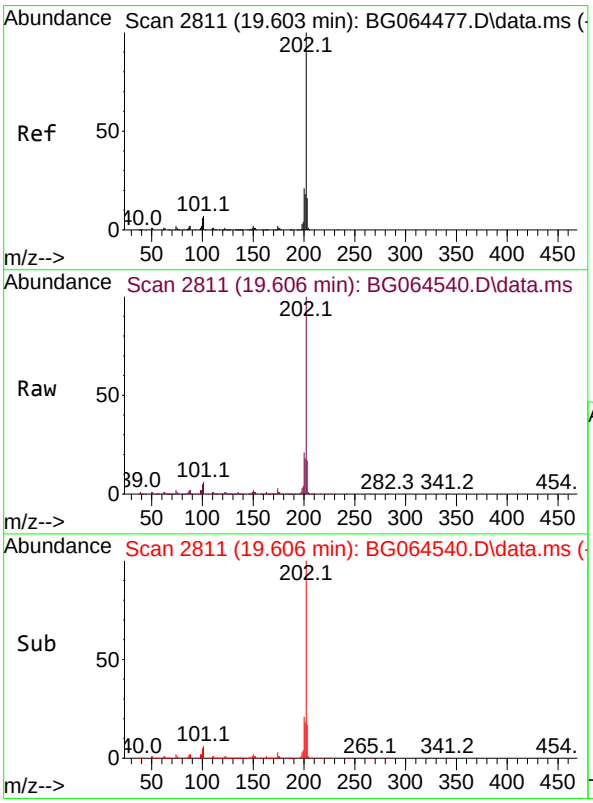
Ion	Ratio	Lower	Upper
184	100		
185	12.8	10.9	16.3
183	12.8	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

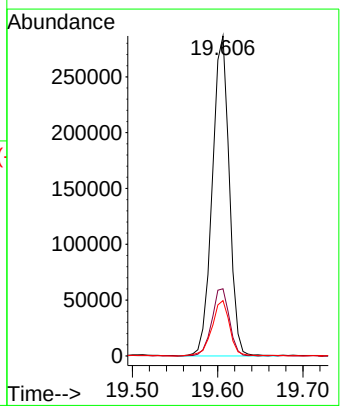
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

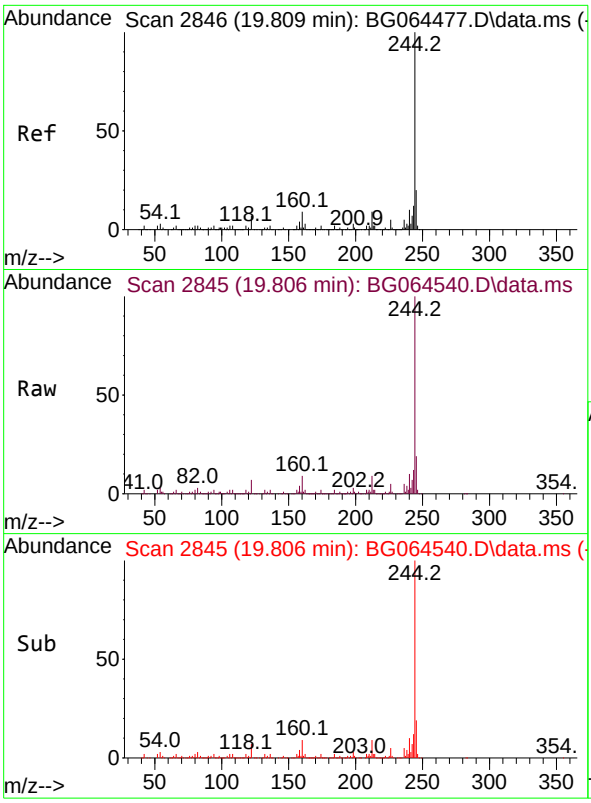


#78
Pyrene
Concen: 56.237 ng
RT: 19.606 min Scan# 2811
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:202 Resp: 395779

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.3	13.0	19.4





#79
Terphenyl-d14
Concen: 52.153 ng
RT: 19.806 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

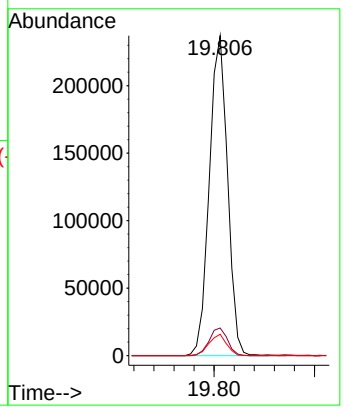
Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

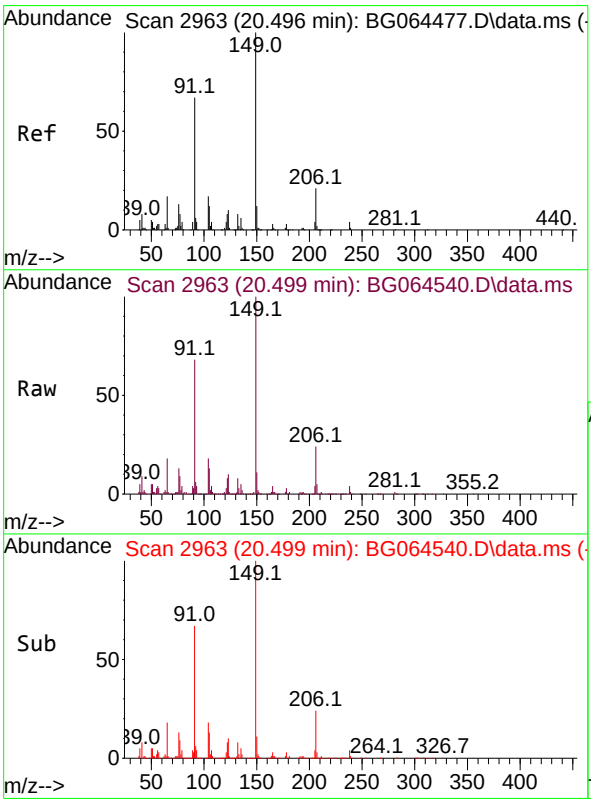
Tgt Ion:244 Resp: 29884

Ion	Ratio	Lower	Upper
244	100		
212	8.7	7.0	10.6
122	6.7	5.6	8.4

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

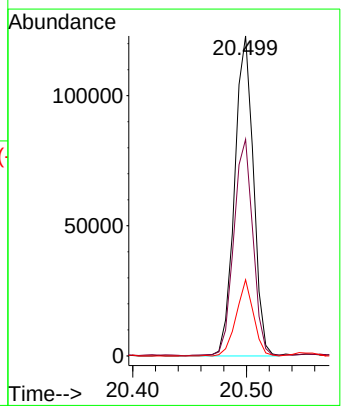


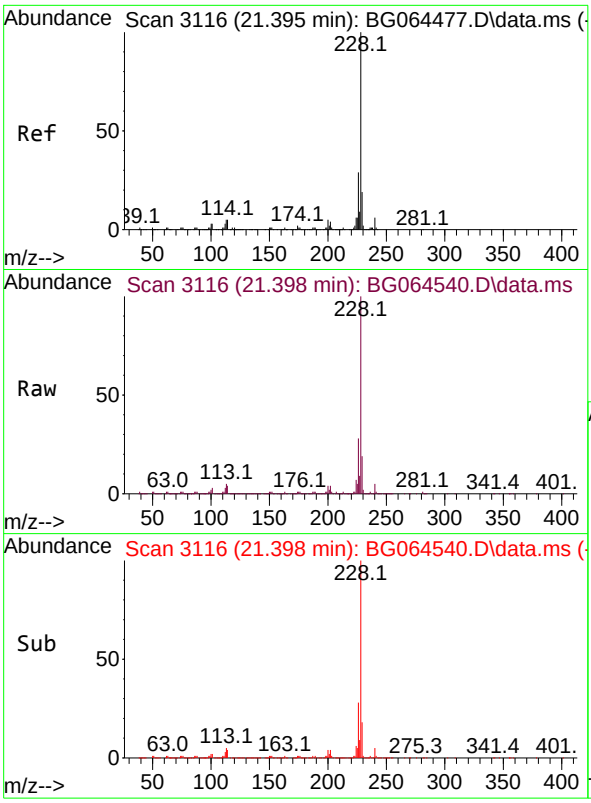


#80
Butylbenzylphthalate
Concen: 56.715 ng
RT: 20.499 min Scan# 2963
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:149 Resp: 141491

Ion	Ratio	Lower	Upper
149	100		
91	67.7	53.7	80.5
206	23.8	16.6	24.8

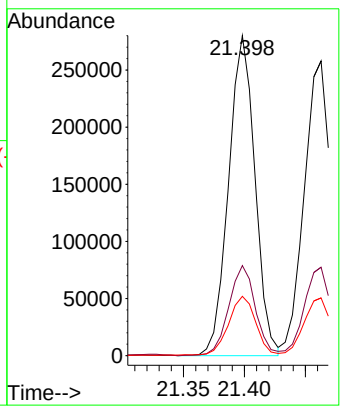




#81
Benzo(a)anthracene
Concen: 61.001 ng
RT: 21.398 min Scan# 3
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:228 Resp: 42238

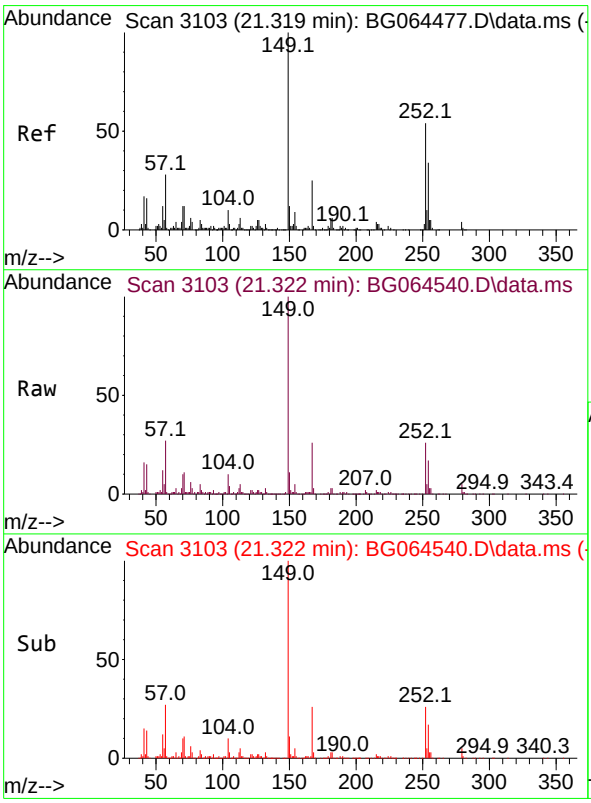
Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.8	34.2
229	18.5	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations APPROVED

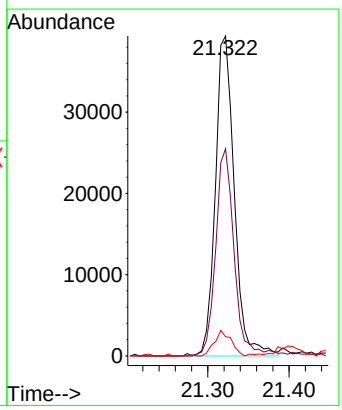
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

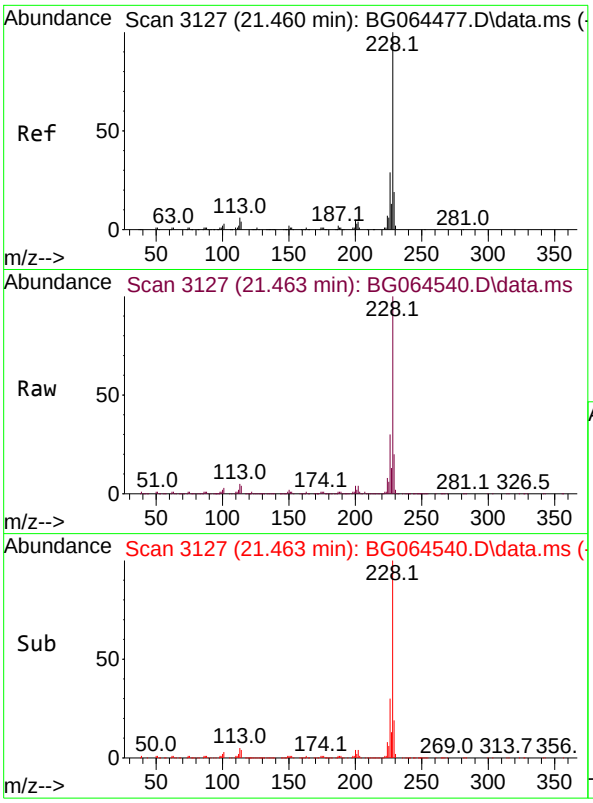


#82
3,3'-Dichlorobenzidine
Concen: 27.173 ng
RT: 21.322 min Scan# 3103
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:252 Resp: 63681

Ion	Ratio	Lower	Upper
252	100		
254	64.7	50.5	75.7
126	6.0	7.1	10.7#

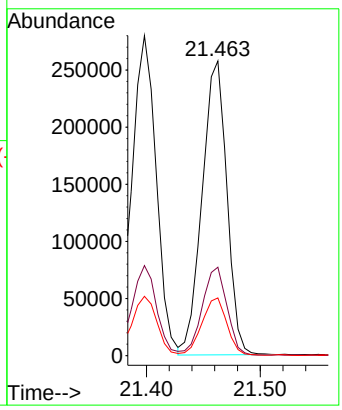




#83
Chrysene
Concen: 59.253 ng
RT: 21.463 min Scan# 31
Delta R.T. 0.011 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:228 Resp: 38909

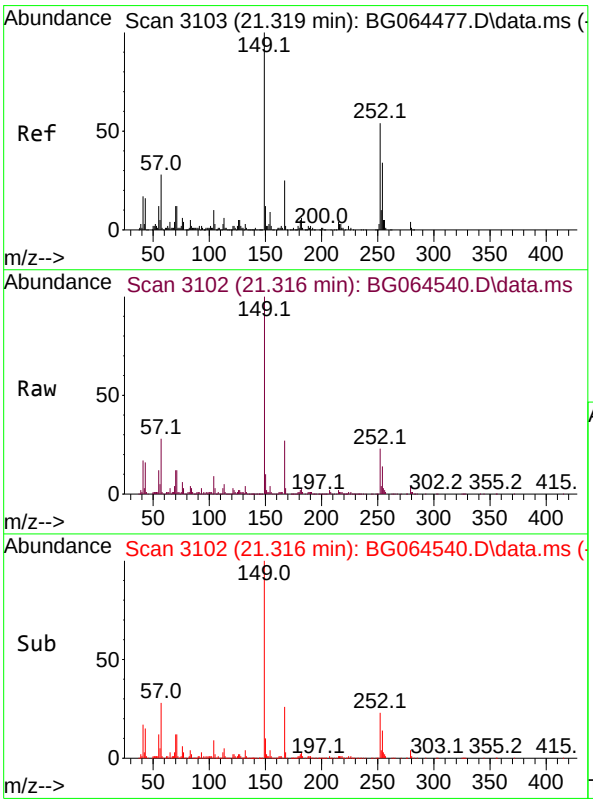
Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.8	34.2
229	19.6	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

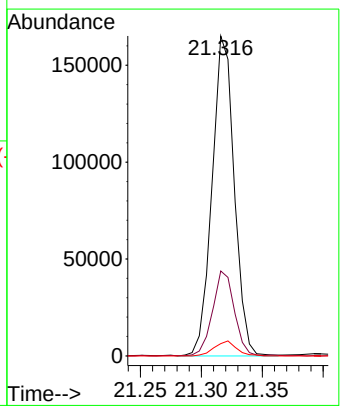
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

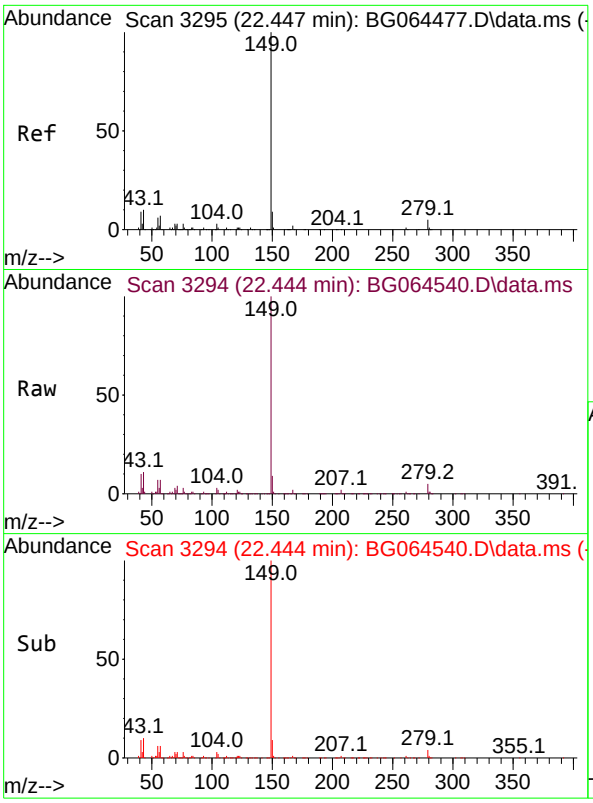


#84
Bis(2-ethylhexyl)phthalate
Concen: 59.357 ng
RT: 21.316 min Scan# 3102
Delta R.T. -0.000 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:149 Resp: 208938

Ion	Ratio	Lower	Upper
149	100		
167	26.5	19.7	29.5
279	3.8	3.4	5.2

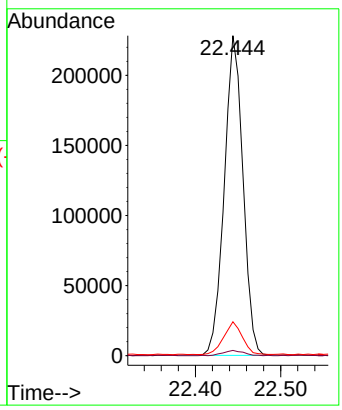




#85
Di-n-octyl phthalate
Concen: 58.710 ng
RT: 22.444 min Scan# 3
Delta R.T. 0.005 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

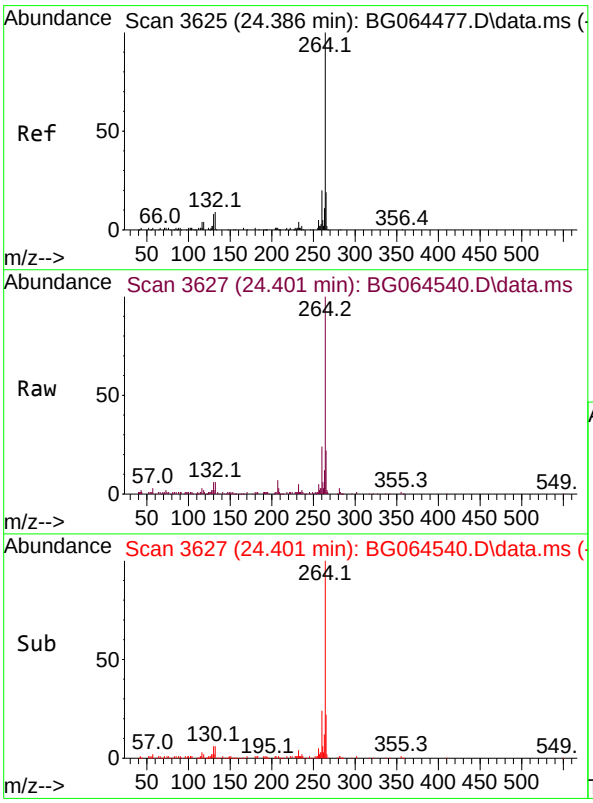
Tgt Ion:149 Resp: 34732

Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.4	2.0
43	10.2	7.9	11.9



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

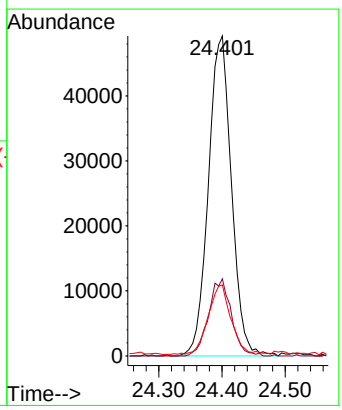
Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

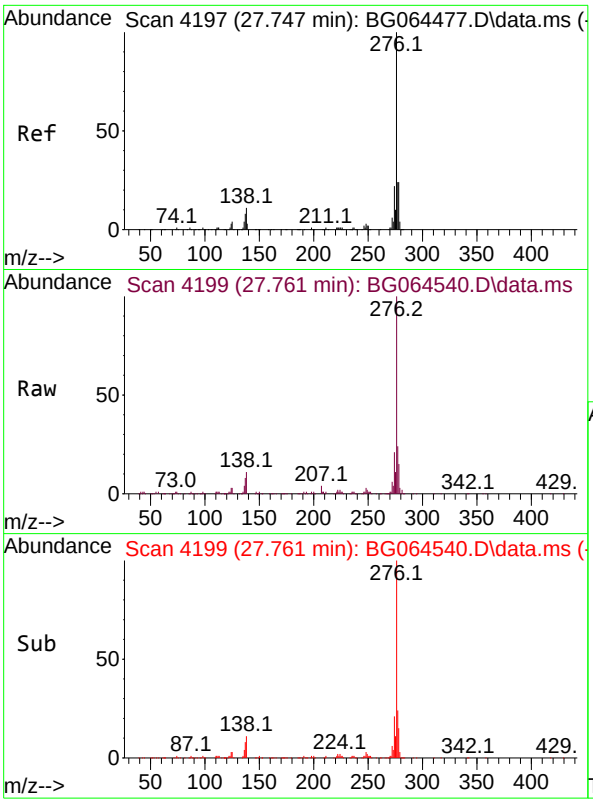


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.401 min Scan# 3627
Delta R.T. 0.011 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:264 Resp: 124972

Ion	Ratio	Lower	Upper
264	100		
260	24.1	16.2	24.4
265	22.2	15.0	22.4

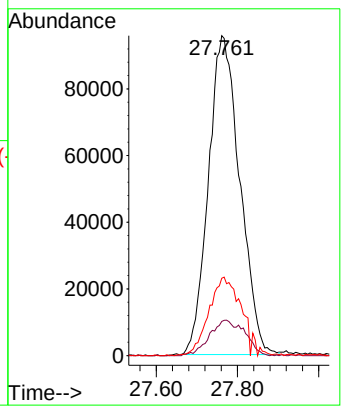




#87
Indeno(1,2,3-cd)pyrene
Concen: 59.016 ng
RT: 27.761 min Scan# 41
Delta R.T. 0.029 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:276 Resp: 513369

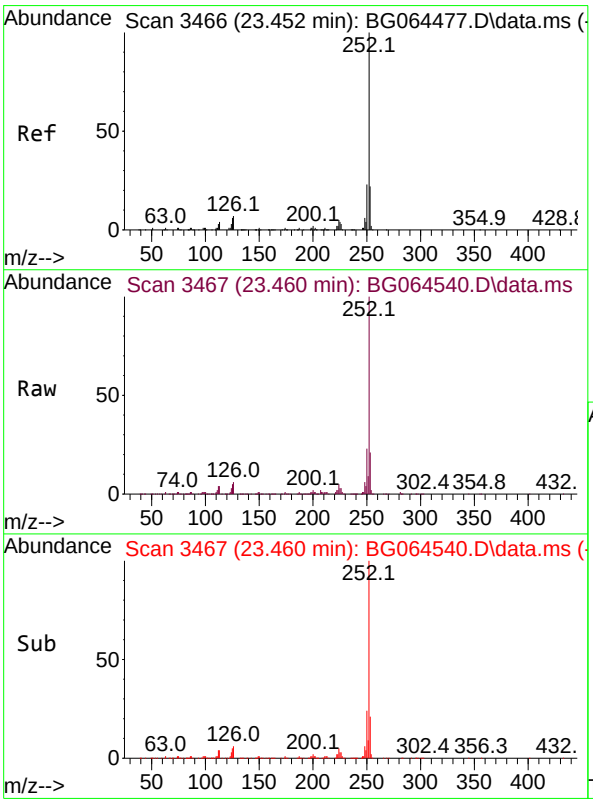
Ion	Ratio	Lower	Upper
276	100		
138	12.5	10.8	16.2
277	25.5	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

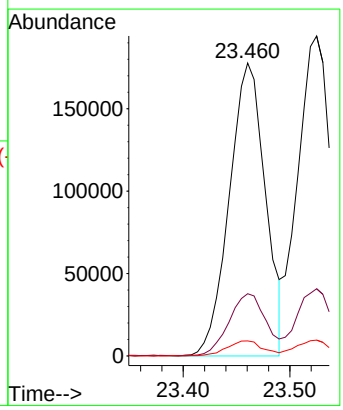
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

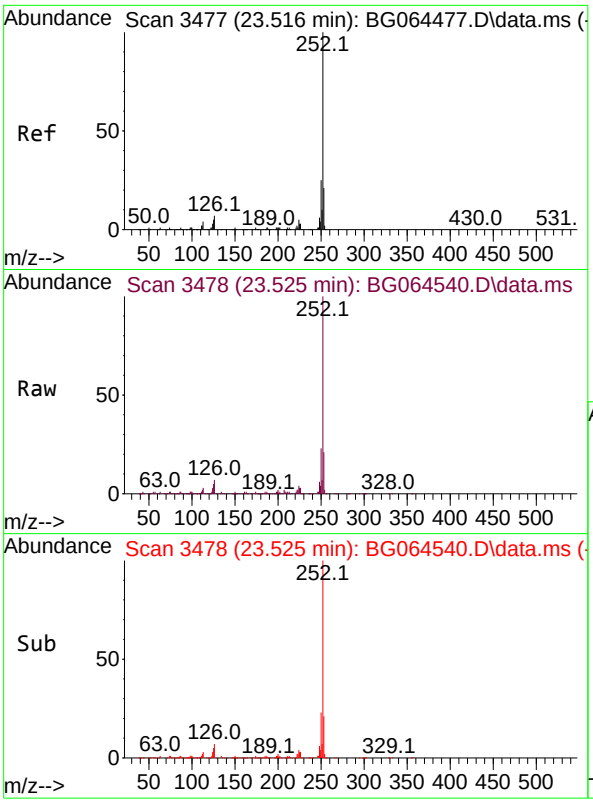


#88
Benzo(b)fluoranthene
Concen: 58.812 ng
RT: 23.460 min Scan# 3467
Delta R.T. 0.011 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:252 Resp: 418135

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.5	26.3
125	5.1	4.5	6.7





#89
Benzo(k)fluoranthene
Concen: 58.664 ng
RT: 23.525 min Scan# 34
Delta R.T. 0.017 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

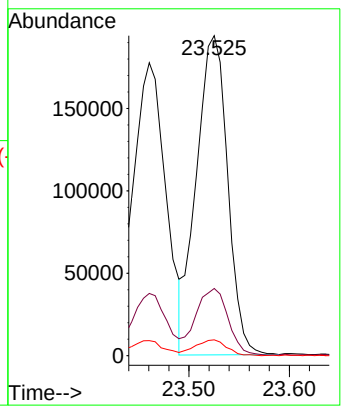
Tgt Ion:252 Resp: 42006

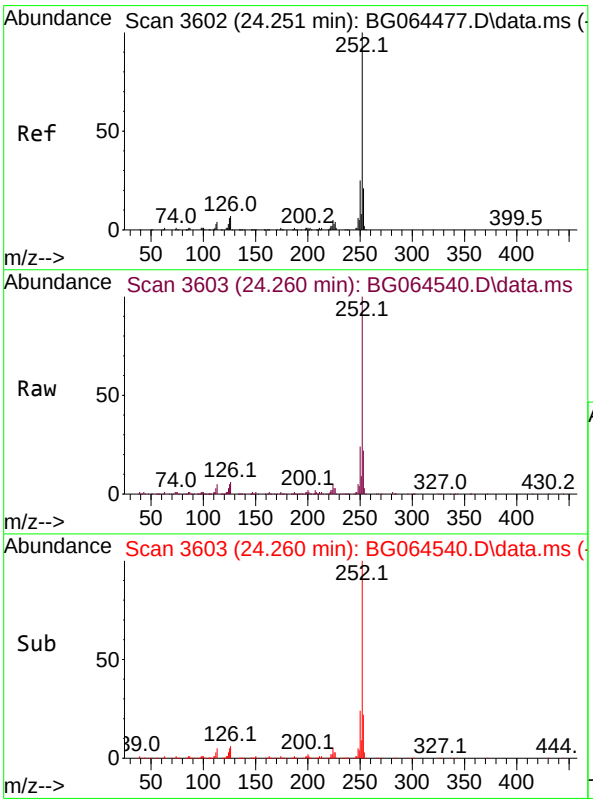
Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.4	26.2
125	4.9	4.0	6.0

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

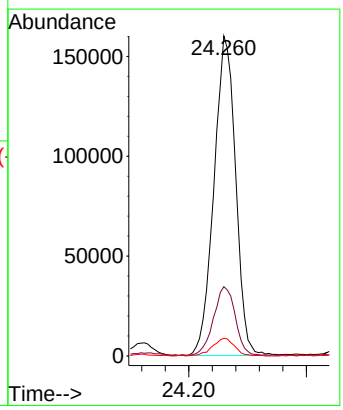


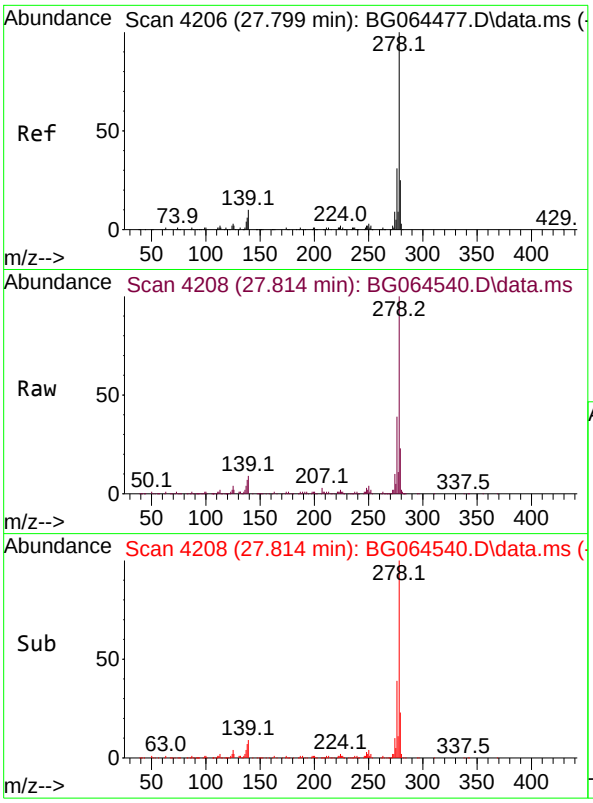


#90
Benzo(a)pyrene
Concen: 62.428 ng
RT: 24.260 min Scan# 3603
Delta R.T. 0.011 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:252 Resp: 409057

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	5.5	4.6	6.8

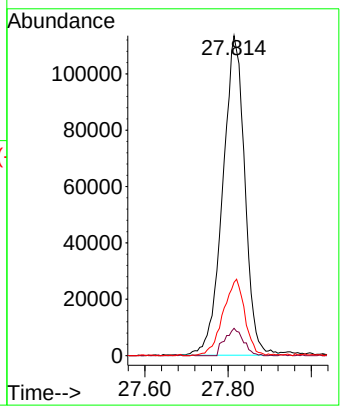




#91
Dibenzo(a,h)anthracene
Concen: 59.935 ng
RT: 27.814 min Scan# 4
Delta R.T. 0.035 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:278 Resp: 41693

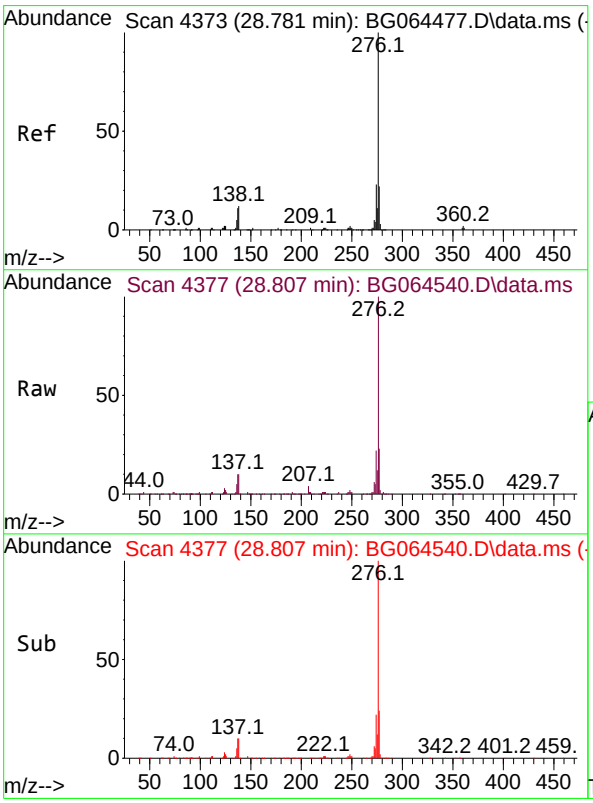
Ion	Ratio	Lower	Upper
278	100		
139	8.5	8.2	12.2
279	22.9	19.6	29.4



Instrument :
BNA_G
ClientSampleId :
COMP01-20251015MSD

Manual Integrations
APPROVED

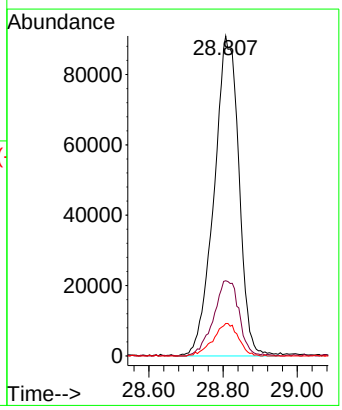
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#92
Benzo(g,h,i)perylene
Concen: 62.538 ng
RT: 28.807 min Scan# 4377
Delta R.T. 0.041 min
Lab File: BG064540.D
Acq: 17 Oct 2025 17:51

Tgt Ion:276 Resp: 422774

Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.8	26.6
138	10.2	9.4	14.0



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	BF100625	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF143876.D	Phenol	rahul	10/7/2025 9:06:31 AM	Jagrut	10/7/2025 11:32:03 AM	Peak Integrated by Software
SSTDICC010	BF143877.D	Benzoic acid	rahul	10/7/2025 9:06:33 AM	Jagrut	10/7/2025 11:32:06 AM	Peak Integrated by Software
SSTDICC010	BF143877.D	Phenol	rahul	10/7/2025 9:06:33 AM	Jagrut	10/7/2025 11:32:06 AM	Peak Integrated by Software
SSTDICC020	BF143878.D	Benzoic acid	rahul	10/7/2025 9:06:36 AM	Jagrut	10/7/2025 11:32:08 AM	Peak Integrated by Software
SSTDICC020	BF143878.D	Phenol	rahul	10/7/2025 9:06:36 AM	Jagrut	10/7/2025 11:32:08 AM	Peak Integrated by Software
SSTDICCC040	BF143879.D	Benzoic acid	rahul	10/7/2025 9:06:41 AM	Jagrut	10/7/2025 11:32:10 AM	Peak Integrated by Software
SSTDICCC040	BF143879.D	Phenol	rahul	10/7/2025 9:06:41 AM	Jagrut	10/7/2025 11:32:10 AM	Peak Integrated by Software
SSTDICC080	BF143882.D	Benzoic acid	rahul	10/7/2025 9:06:44 AM	Jagrut	10/7/2025 11:32:12 AM	Peak Integrated by Software
SSTDICV040	BF143883.D	Phenol	rahul	10/7/2025 9:06:46 AM	Jagrut	10/7/2025 11:32:15 AM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	bf101725	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3363-04	BF143994.D	Anthracene	rahul	10/20/2025 2:04:22 PM	Jagrut	10/20/2025 2:15:13 PM	Peak Integrated by Software
Q3363-04	BF143994.D	Benzo(b)fluoranthene	rahul	10/20/2025 2:04:22 PM	Jagrut	10/20/2025 2:15:13 PM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	BG100225	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG064474.D	Anthracene	Rahul	10/3/2025 8:37:57 AM	Jagrut	10/3/2025 3:25:00 PM	Peak Integrated by Software
SSTDICC005	BG064474.D	Benzo(b)fluoranthene	Rahul	10/3/2025 8:37:57 AM	Jagrut	10/3/2025 3:25:00 PM	Peak Integrated by Software
SSTDICC020	BG064476.D	1-Methylnaphthalene	Rahul	10/3/2025 8:38:04 AM	Jagrut	10/3/2025 3:25:05 PM	Peak Integrated by Software
SSTDICC020	BG064476.D	Benzaldehyde	Rahul	10/3/2025 8:38:04 AM	Jagrut	10/3/2025 3:25:05 PM	Peak Integrated by Software
SSTDICC020	BG064476.D	Benzoic acid	Rahul	10/3/2025 8:38:04 AM	Jagrut	10/3/2025 3:25:05 PM	Peak Integrated by Software
SSTDICCC040	BG064477.D	Benzaldehyde	Rahul	10/3/2025 8:38:08 AM	Jagrut	10/3/2025 3:25:08 PM	Peak Integrated by Software
SSTDICCC040	BG064477.D	Benzoic acid	Rahul	10/3/2025 8:38:08 AM	Jagrut	10/3/2025 3:25:08 PM	Peak Integrated by Software
SSTDICC050	BG064478.D	Benzoic acid	Rahul	10/3/2025 8:38:10 AM	Jagrut	10/3/2025 3:25:09 PM	Peak Integrated by Software
SSTDICC060	BG064479.D	Benzoic acid	Rahul	10/3/2025 8:38:13 AM	Jagrut	10/3/2025 3:25:12 PM	Peak Integrated by Software
SSTDICC080	BG064480.D	Benzoic acid	Rahul	10/3/2025 8:38:15 AM	Jagrut	10/3/2025 3:25:14 PM	Peak Integrated by Software
SSTDICC010	BG064481.D	Benzoic acid	Rahul	10/3/2025 8:38:18 AM	Jagrut	10/3/2025 3:25:20 PM	Peak Integrated by Software
SSTDICV040	BG064482.D	Benzoic acid	Rahul	10/3/2025 8:38:21 AM	Jagrut	10/3/2025 3:25:22 PM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	BG100225	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	BG101725	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170144BS	BG064534.D	1-Methylnaphthalene	Rahul	10/20/2025 9:15:53 AM	Jagrut	10/20/2025 11:33:19 AM	Peak Integrated by Software
PB170144BS	BG064534.D	2,3,4,6-Tetrachlorophenol	Rahul	10/20/2025 9:15:53 AM	Jagrut	10/20/2025 11:33:19 AM	Peak Integrated by Software
PB170144BS	BG064534.D	Caprolactam	Rahul	10/20/2025 9:15:53 AM	Jagrut	10/20/2025 11:33:19 AM	Peak Integrated by Software
Q3363-01	BG064537.D	Benzo(a)anthracene	Rahul	10/20/2025 9:16:01 AM	Jagrut	10/20/2025 11:33:26 AM	Peak Integrated by Software
Q3363-05	BG064538.D	Chrysene	Rahul	10/20/2025 9:16:04 AM	Jagrut	10/20/2025 11:33:28 AM	Peak Integrated by Software
Q3363-05MS	BG064539.D	2,4,6-Trichlorophenol	Rahul	10/20/2025 9:16:06 AM	Jagrut	10/20/2025 11:33:31 AM	Peak Integrated by Software
Q3363-05MS	BG064539.D	Caprolactam	Rahul	10/20/2025 9:16:06 AM	Jagrut	10/20/2025 11:33:31 AM	Peak Integrated by Software
Q3363-05MSD	BG064540.D	Caprolactam	Rahul	10/20/2025 9:16:09 AM	Jagrut	10/20/2025 11:33:33 AM	Peak Integrated by Software
Q3363-02	BG064542.D	Anthracene	Rahul	10/20/2025 9:16:12 AM	Jagrut	10/20/2025 11:33:35 AM	Peak Integrated by Software
Q3363-02	BG064542.D	Chrysene	Rahul	10/20/2025 9:16:12 AM	Jagrut	10/20/2025 11:33:35 AM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF100625

Review By	Rahul	Review On	10/6/2025 4:17:39 PM				
Supervise By	Jagrut	Supervise On	10/7/2025 11:32:28 AM				
SubDirectory	BF100625	HP Acquire Method	BNA_F		HP Processing Method	bf100625	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13177,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143874.D	06 Oct 2025 09:30	RC/JU	Ok
2	SSTDICC2.5	BF143875.D	06 Oct 2025 09:59	RC/JU	Ok
3	SSTDICC005	BF143876.D	06 Oct 2025 10:28	RC/JU	Ok,M
4	SSTDICC010	BF143877.D	06 Oct 2025 10:57	RC/JU	Ok,M
5	SSTDICC020	BF143878.D	06 Oct 2025 11:56	RC/JU	Ok,M
6	SSTDICCC040	BF143879.D	06 Oct 2025 12:54	RC/JU	Ok,M
7	SSTDICC050	BF143880.D	06 Oct 2025 13:23	RC/JU	Ok
8	SSTDICC060	BF143881.D	06 Oct 2025 13:53	RC/JU	Ok
9	SSTDICC080	BF143882.D	06 Oct 2025 14:22	RC/JU	Ok,M
10	SSTDICV040	BF143883.D	06 Oct 2025 16:08	RC/JU	Ok,M
11	PB169953BL	BF143884.D	06 Oct 2025 16:38	RC/JU	Not Ok
12	PB169953BS	BF143885.D	06 Oct 2025 17:07	RC/JU	Not Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101725

Review By	Rahul	Review On	10/20/2025 9:15:19 AM				
Supervise By	Jagrut	Supervise On	10/20/2025 2:15:55 PM				
SubDirectory	BF101725	HP Acquire Method	BNA_F		HP Processing Method	BF100625	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13178,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143983.D	17 Oct 2025 14:14	RC/JU	Ok
2	SSTDCCC040	BF143984.D	17 Oct 2025 14:43	RC/JU	Ok
3	PB170149BL	BF143985.D	17 Oct 2025 15:11	RC/JU	Ok
4	PB170149BS	BF143986.D	17 Oct 2025 15:40	RC/JU	Ok,M
5	PB170116TB	BF143987.D	17 Oct 2025 16:09	RC/JU	Ok
6	Q3352-04	BF143988.D	17 Oct 2025 16:47	RC/JU	Ok
7	Q3352-04MS	BF143989.D	17 Oct 2025 17:16	RC/JU	Ok,M
8	Q3352-04MSD	BF143990.D	17 Oct 2025 17:45	RC/JU	Ok,M
9	Q3354-02	BF143991.D	17 Oct 2025 18:14	RC/JU	Ok
10	Q3349-01	BF143992.D	17 Oct 2025 18:43	RC/JU	Ok
11	Q3363-03	BF143993.D	17 Oct 2025 19:12	RC/JU	Ok
12	Q3363-04	BF143994.D	17 Oct 2025 19:41	RC/JU	Ok,M
13	Q3348-05DL	BF143995.D	17 Oct 2025 20:10	RC/JU	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG100225

Review By	Rahul	Review On	10/3/2025 8:38:44 AM		
Supervise By	Jagrut	Supervise On	10/3/2025 3:25:38 PM		
SubDirectory	BG100225	HP Acquire Method	BNA_G	HP Processing Method	bg100225

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13176,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064472.D	2 Oct 2025 8:21	RC/JU	Ok
2	SSTDICC2.5	BG064473.D	2 Oct 2025 9:01	RC/JU	Ok
3	SSTDICC005	BG064474.D	2 Oct 2025 9:42	RC/JU	Ok,M
4	SSTDICC010	BG064475.D	2 Oct 2025 10:53	RC/JU	Not Ok
5	SSTDICC020	BG064476.D	2 Oct 2025 11:33	RC/JU	Ok,M
6	SSTDICCC040	BG064477.D	2 Oct 2025 12:14	RC/JU	Ok,M
7	SSTDICC050	BG064478.D	2 Oct 2025 12:55	RC/JU	Ok,M
8	SSTDICC060	BG064479.D	2 Oct 2025 13:35	RC/JU	Ok,M
9	SSTDICC080	BG064480.D	2 Oct 2025 14:16	RC/JU	Ok,M
10	SSTDICC010	BG064481.D	2 Oct 2025 15:49	RC/JU	Ok,M
11	SSTDICV040	BG064482.D	2 Oct 2025 18:09	RC/JU	Ok,M
12	PB169936BL	BG064483.D	2 Oct 2025 18:50	RC/JU	Not Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG101725

Review By	Rahul	Review On	10/20/2025 9:16:43 AM				
Supervise By	Jagrut	Supervise On	10/20/2025 11:34:09 AM				
SubDirectory	BG101725	HP Acquire Method	BNA_G		HP Processing Method	bg100225	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13178,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064530.D	17 Oct 2025 10:59	RC/JU	Ok
2	SSTDCCC040	BG064531.D	17 Oct 2025 11:39	RC/JU	Ok
3	PB170122BL	BG064532.D	17 Oct 2025 12:22	RC/JU	Ok
4	PB170144BL	BG064533.D	17 Oct 2025 13:02	RC/JU	Ok
5	PB170144BS	BG064534.D	17 Oct 2025 13:43	RC/JU	Ok,M
6	SP6895	BG064535.D	17 Oct 2025 14:23	RC/JU	Ok,M
7	Q3367-01	BG064536.D	17 Oct 2025 15:07	RC/JU	Ok,M
8	Q3363-01	BG064537.D	17 Oct 2025 15:48	RC/JU	Ok,M
9	Q3363-05	BG064538.D	17 Oct 2025 16:29	RC/JU	Ok,M
10	Q3363-05MS	BG064539.D	17 Oct 2025 17:10	RC/JU	Ok,M
11	Q3363-05MSD	BG064540.D	17 Oct 2025 17:51	RC/JU	Ok,M
12	Q3369-05	BG064541.D	17 Oct 2025 18:32	RC/JU	Ok
13	Q3363-02	BG064542.D	17 Oct 2025 19:12	RC/JU	Ok,M
14	Q3366-01	BG064543.D	17 Oct 2025 19:53	RC/JU	Ok
15	Q3366-03	BG064544.D	17 Oct 2025 20:34	RC/JU	Ok,M
16	Q3369-01	BG064545.D	17 Oct 2025 21:15	RC/JU	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF100625

Review By	Rahul	Review On	10/6/2025 4:17:39 PM		
Supervise By	Jagrut	Supervise On	10/7/2025 11:32:28 AM		
SubDirectory	BF100625	HP Acquire Method	BNA_F	HP Processing Method	bf100625

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13177,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143874.D	06 Oct 2025 09:30		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF143875.D	06 Oct 2025 09:59		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF143876.D	06 Oct 2025 10:28		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF143877.D	06 Oct 2025 10:57		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF143878.D	06 Oct 2025 11:56		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF143879.D	06 Oct 2025 12:54	compound #54 kept on LR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF143880.D	06 Oct 2025 13:23		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF143881.D	06 Oct 2025 13:53		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF143882.D	06 Oct 2025 14:22	Compound #45 & #77 removed from 80PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBF100625	BF143883.D	06 Oct 2025 16:08		RC/JU	Ok,M
11	PB169953BL	PB169953BL	BF143884.D	06 Oct 2025 16:38	Surrogate Fail	RC/JU	Not Ok
12	PB169953BS	PB169953BS	BF143885.D	06 Oct 2025 17:07	Surrogate Fail	RC/JU	Not Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101725

Review By	Rahul	Review On	10/20/2025 9:15:19 AM		
Supervise By	Jagrut	Supervise On	10/20/2025 2:15:55 PM		
SubDirectory	BF101725	HP Acquire Method	BNA_F	HP Processing Method	BF100625

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13178,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143983.D	17 Oct 2025 14:14		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143984.D	17 Oct 2025 14:43		RC/JU	Ok
3	PB170149BL	PB170149BL	BF143985.D	17 Oct 2025 15:11		RC/JU	Ok
4	PB170149BS	PB170149BS	BF143986.D	17 Oct 2025 15:40		RC/JU	Ok,M
5	PB170116TB	PB170116TB	BF143987.D	17 Oct 2025 16:09		RC/JU	Ok
6	Q3352-04	TP-3	BF143988.D	17 Oct 2025 16:47		RC/JU	Ok
7	Q3352-04MS	TP-3MS	BF143989.D	17 Oct 2025 17:16		RC/JU	Ok,M
8	Q3352-04MSD	TP-3MSD	BF143990.D	17 Oct 2025 17:45		RC/JU	Ok,M
9	Q3354-02	HT1403	BF143991.D	17 Oct 2025 18:14		RC/JU	Ok
10	Q3349-01	PURS Station	BF143992.D	17 Oct 2025 18:43	Internal Standard Failed.	RC/JU	Ok
11	Q3363-03	PR132-SO3-028010-20	BF143993.D	17 Oct 2025 19:12		RC/JU	Ok
12	Q3363-04	PR132-SO3-010013-20	BF143994.D	17 Oct 2025 19:41		RC/JU	Ok,M
13	Q3348-05DL	WCS-TP2DL	BF143995.D	17 Oct 2025 20:10		RC/JU	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG100225

Review By	Rahul	Review On	10/3/2025 8:38:44 AM		
Supervise By	Jagrut	Supervise On	10/3/2025 3:25:38 PM		
SubDirectory	BG100225	HP Acquire Method	BNA_G	HP Processing Method	bg100225

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13176,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064472.D	2 Oct 2025 8:21		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG064473.D	2 Oct 2025 9:01		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BG064474.D	2 Oct 2025 9:42		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG064475.D	2 Oct 2025 10:53	Not Used	RC/JU	Not Ok
5	SSTDICC020	SSTDICC020	BG064476.D	2 Oct 2025 11:33		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064477.D	2 Oct 2025 12:14	Compound failed in the calibration. #77	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BG064478.D	2 Oct 2025 12:55		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BG064479.D	2 Oct 2025 13:35		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BG064480.D	2 Oct 2025 14:16		RC/JU	Ok,M
10	SSTDICC010	SSTDICC010	BG064481.D	2 Oct 2025 15:49		RC/JU	Ok,M
11	SSTDICV040	ICVBG100225	BG064482.D	2 Oct 2025 18:09		RC/JU	Ok,M
12	PB169936BL	PB169936BL	BG064483.D	2 Oct 2025 18:50	Surrogate Fail	RC/JU	Not Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG101725

Review By	Rahul	Review On	10/20/2025 9:16:43 AM		
Supervise By	Jagrut	Supervise On	10/20/2025 11:34:09 AM		
SubDirectory	BG101725	HP Acquire Method	BNA_G	HP Processing Method	bg100225

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13178,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064530.D	17 Oct 2025 10:59		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064531.D	17 Oct 2025 11:39		RC/JU	Ok
3	PB170122BL	PB170122BL	BG064532.D	17 Oct 2025 12:22		RC/JU	Ok
4	PB170144BL	PB170144BL	BG064533.D	17 Oct 2025 13:02		RC/JU	Ok
5	PB170144BS	PB170144BS	BG064534.D	17 Oct 2025 13:43		RC/JU	Ok,M
6	SP6895	SP6895	BG064535.D	17 Oct 2025 14:23	8270/625.1 Spike Solution	RC/JU	Ok,M
7	Q3367-01	BU-03-101625	BG064536.D	17 Oct 2025 15:07		RC/JU	Ok,M
8	Q3363-01	PR132-SO1-085011-20	BG064537.D	17 Oct 2025 15:48		RC/JU	Ok,M
9	Q3363-05	COMP01-20251015	BG064538.D	17 Oct 2025 16:29		RC/JU	Ok,M
10	Q3363-05MS	COMP01-20251015MS	BG064539.D	17 Oct 2025 17:10		RC/JU	Ok,M
11	Q3363-05MSD	COMP01-20251015MS	BG064540.D	17 Oct 2025 17:51		RC/JU	Ok,M
12	Q3369-05	MH-21	BG064541.D	17 Oct 2025 18:32		RC/JU	Ok
13	Q3363-02	PR132-SO1-039085-20	BG064542.D	17 Oct 2025 19:12		RC/JU	Ok,M
14	Q3366-01	TR-06-101625	BG064543.D	17 Oct 2025 19:53		RC/JU	Ok
15	Q3366-03	TR-1-101625	BG064544.D	17 Oct 2025 20:34		RC/JU	Ok,M
16	Q3369-01	MH-22	BG064545.D	17 Oct 2025 21:15		RC/JU	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/17/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/16/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/17/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137562

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3307-02	S-39(9.5-10.0)	1	1.14	10.71	11.85	10.87	90.8	
Q3307-03	S-39(14.5-15.0)	2	1.15	10.38	11.53	10.4	89.1	
Q3307-04	S-37(7.0-7.5)	3	1.13	10.10	11.23	10.06	88.4	
Q3307-05	S-37(14.5-15.0)	4	1.16	10.22	11.38	10.35	89.9	
Q3307-06	S-38(0-0.5)	5	1.19	10.65	11.84	10.77	90.0	
Q3307-07	S-38(6.0-6.5)	6	1.18	10.35	11.53	10.42	89.3	
Q3307-08	S-38(14.5-15.0)	7	1.17	10.18	11.35	10.39	90.6	
Q3307-09	S-36(0-0.5)	8	1.13	10.34	11.47	10.73	92.8	
Q3307-10	S-36(7.0-7.5)	9	1.18	10.53	11.71	10.63	89.7	
Q3307-11	S-36(14.5-15.0)	10	1.13	11.04	12.17	10.97	89.1	
Q3307-17	S-35(7.0-7.5)	11	1.15	10.83	11.98	10.77	88.8	
Q3307-18	S-35(14.5-15.0)	12	1.12	10.40	11.52	10.33	88.6	
Q3363-01	PR132-SOL-085011-20251015	13	1.13	10.82	11.95	6.55	50.1	
Q3363-02	PR132-SOL-039085-20251015	14	1.15	10.53	11.68	7.11	56.6	
Q3363-03	PR132-SOL-028010-20251015	15	1.15	10.29	11.44	6.79	54.8	
Q3363-04	PR132-SOL-010013-20251015	16	1.18	10.94	12.12	6.81	51.5	
Q3363-05	COMP01-20251015	17	1.19	10.32	11.51	6.91	55.4	
Q3366-01	TR-06-101625	18	1.14	10.33	11.47	10.95	95.0	
Q3366-02	TR-06-101625-E2	19	1.15	10.32	11.47	11.00	95.4	
Q3366-03	TR-1-101625	20	1.19	10.30	11.49	10.7	92.3	
Q3366-04	TR-01-101625-E2	21	1.19	10.43	11.62	11.12	95.2	
Q3367-01	BU-03-101625	22	1.11	10.51	11.62	10.81	92.3	
Q3369-01	MH-22	23	1.16	10.61	11.77	10.62	89.2	
Q3369-02	MH-22-EPH	24	1.15	10.38	11.53	10.4	89.1	
Q3369-03	MH-22-VOC	25	1.16	10.36	11.52	10.4	89.2	
Q3369-05	MH-21	26	1.19	10.76	11.95	10.81	89.4	
Q3369-06	MH-21-EPH	27	1.12	11.10	12.22	11.12	90.1	

Alliance TECHNICAL GROUP

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/17/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/16/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/17/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137562

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3369-07	MH-21-VOC	28	1.16	10.45	11.61	10.66	90.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 137562

WorkList Name : %1-101625 **WorkList ID :** 192491 **Department :** Wet-Chemistry **Date :** 10-16-2025 07:46:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3307-02	S-39(9.5-10.0)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3307-03	S-39(14.5-15.0)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3307-04	S-37(7.0-7.5)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3307-05	S-37(14.5-15.0)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3307-06	S-38(0-0.5)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3307-07	S-38(6.0-6.5)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3307-08	S-38(14.5-15.0)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3307-09	S-36(0-0.5)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3307-10	S-36(7.0-7.5)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3307-11	S-36(14.5-15.0)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3307-17	S-35(7.0-7.5)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3307-18	S-35(14.5-15.0)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3363-01	PR132-SOL-085011-20251015	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/15/2025	Chemtech -SO
Q3363-02	PR132-SOL-039085-20251015	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/15/2025	Chemtech -SO
Q3363-03	PR132-SOL-028010-20251015	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/15/2025	Chemtech -SO
Q3363-04	PR132-SOL-010013-20251015	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/15/2025	Chemtech -SO
Q3363-05	COMP01-20251015	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/15/2025	Chemtech -SO
Q3366-01	TR-06-101625	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/16/2025	Chemtech -SO
Q3366-02	TR-06-101625-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05		10/16/2025	Chemtech -SO
Q3366-03	TR-1-101625	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/16/2025	Chemtech -SO
Q3366-04	TR-01-101625-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/16/2025	Chemtech -SO

Date/Time 10-1625 1320

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 10-1625 1730

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

VB 137562

WorkList Name : %1-101625 **WorkList ID :** 192491 **Department :** Wet-Chemistry **Date :** 10-16-2025 07:46:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3367-01	BU-03-101625	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	10/16/2025	Chemtech -SO
Q3369-01	MH-22	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/16/2025	Chemtech -SO
Q3369-02	MH-22-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/16/2025	Chemtech -SO
Q3369-03	MH-22-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/16/2025	Chemtech -SO
Q3369-05	MH-21	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/16/2025	Chemtech -SO
Q3369-06	MH-21-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/16/2025	Chemtech -SO
Q3369-07	MH-21-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/16/2025	Chemtech -SO

Date/Time 10-16-25 15:20

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 10-16-25 17:30

Raw Sample Received by:

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170144

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	N/A			**Extraction Start Date :**	10/17/2025
Matrix :	Solid			**Extraction Start Time :**	09:25
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	10/17/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:40
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	RS
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6865
Surrogate	1.0ML	100/150 PPM	SP6869
N/A	N/A	N/A	N/A
N/A	1.0ML	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2641
Baked Na2SO4	N/A	EP2652
Methylene Chloride	N/A	E3980
Sand	N/A	E3951
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/17/25	RS (Ext lab)	JG / SVOC
12:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170144

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/17/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170144BL	SBLK144	SVOC-TCL BNA -20	30.03	N/A	RUPESH	ritesh	1			U6-1
PB170144BS	SLCS144	SVOC-TCL BNA -20	30.01	N/A	RUPESH	ritesh	1			2
Q3363-01	PR132-SOL-085011-2025 1015	SVOC-TCL BNA -20	30.06	N/A	RUPESH	ritesh	1	E		3
Q3363-02	PR132-SOL-039085-2025 1015	SVOC-TCL BNA -20	30.09	N/A	RUPESH	ritesh	1	E		4
Q3363-03	PR132-SOL-028010-2025 1015	SVOC-TCL BNA -20	30.02	N/A	RUPESH	ritesh	1	E		5
Q3363-04	PR132-SOL-010013-2025 1015	SVOC-TCL BNA -20	30.04	N/A	RUPESH	ritesh	1	E		6
Q3363-05	COMP01-20251015	SVOC-TCL BNA -20	30.07	N/A	RUPESH	ritesh	1	E		U1-1
Q3363-05MS	COMP01-20251015MS	SVOC-TCL BNA -20	30.02	N/A	RUPESH	ritesh	1	E		2
Q3363-05MSD	COMP01-20251015MSD	SVOC-TCL BNA -20	30.04	N/A	RUPESH	ritesh	1	E		3
Q3366-01	TR-06-101625	SVOC-TCL BNA -20	50.08	N/A	RUPESH	ritesh	1	E		4
Q3366-03	TR-1-101625	SVOC-TCL BNA -20	50.03	N/A	RUPESH	ritesh	1	E		5
Q3367-01	BU-03-101625	SVOC-TCL BNA -20	50.05	N/A	RUPESH	ritesh	1	E		6
Q3369-01	MH-22	SVOC-TCL BNA -20	50.09	N/A	RUPESH	ritesh	1	E		U2-1
Q3369-05	MH-21	SVOC-TCL BNA -20	50.07	N/A	RUPESH	ritesh	1	E		2

RS 10/17

* **Extracts relinquished on the same date as received.**

Q3363-SVOC-TCL BNA -20

10144
9:25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3367 **WorkList ID :** 192517 **Department :** Extraction **Date :** 10-17-2025 08:32:48

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3363-01	PR132-SOL-085011-20251015	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/15/2025	8270E
Q3363-02	PR132-SOL-039085-20251015	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/15/2025	8270E
Q3363-03	PR132-SOL-028010-20251015	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/15/2025	8270E
Q3363-04	PR132-SOL-010013-20251015	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/15/2025	8270E
Q3363-05	COMP01-20251015	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/15/2025	8270E
Q3366-01	TR-06-101625	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D31	10/16/2025	8270E
Q3366-03	TR-1-101625	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D31	10/16/2025	8270E
Q3367-01	BU-03-101625	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D11	10/16/2025	8270E
Q3369-01	MH-22	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	10/16/2025	8270E
Q3369-05	MH-21	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	10/16/2025	8270E

1282 of 1352

Date/Time 10/17/25 9:20
Raw Sample Received by: RJ (CCL-(cab)
Raw Sample Relinquished by: CR

Date/Time 10/17/25 9:40
Raw Sample Received by: CR
Raw Sample Relinquished by: RJ (CCL-(cab)

18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Prep Standard - Chemical Standard Summary

Order ID : Q3363

Test : SVOC-TCL BNA -20

Prepbatch ID : PB170144,

Sequence ID/Qc Batch ID: BF101725,BG101725,

Standard ID :
EP2641,EP2652,SP6856,SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864,SP6865,SP6869,SP6871,SP6872,SP6875,

Chemical ID :
10ul/1000ul sample,E3875,E3932,E3951,E3954,E3965,E3972,E3973,E3980,S11073,S11484,S11652,S11807,S11808,S12197,S12199,S12200,S12201,S12220,S12221,S12245,S12306,S12307,S12507,S12508,S12552,S12553,S12554,S12555,S12556,S12557,S12558,S12559,S12560,S12577,S12739,S12776,S12903,S12904,S12905,S13089,S13090,S13091,S13092,S13093,S13094,S13095,S13096,S13097,S13118,S13119,S13120,S13149,S13160,S13170,S13175,S13178,S13207,S13214,S13233,S13239,S13240,S13241,S13242,S13243,S13244,S13269,

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2641	09/16/2025	03/16/2026	Evelyn Huang	None	None	Riteshkumar Patel 09/16/2025

FROM 8000.00000ml of E3972 + 8000.00000ml of E3973 = Final Quantity: 16000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2652	10/10/2025	01/28/2026	Evelyn Huang	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 10/10/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4215	New 8270E/625.1 ICAL Stock Solution 100 ng	SP6856	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.04000ml of S13207 + 0.20000ml of S12197 + 0.30000ml of S12306 + 0.40000ml of S12220 + 0.50000ml of S11807 + 0.50000ml of S12245 + 0.50000ml of S12776 + 0.50000ml of S13214 + 0.50000ml of S13233 + 0.70000ml of S12307 + 1.00000ml of S12739 + 4.86000ml of E3954 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4216	80ng ICC	SP6857	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.20000ml of E3954 + 0.80000ml of SP6856 = Final Quantity: 1.010 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4217	60ng ICC	SP6858	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.40000ml of E3954 + 0.60000ml of SP6856 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4218	50ng ICC	SP6859	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.50000ml of E3954 + 0.50000ml of SP6856 = Final Quantity: 1.010 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4219	40ng ICC	SP6860	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.60000ml of E3954 + 0.40000ml of SP6856 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4220	20ng ICC	SP6861	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.80000ml of E3954 + 0.20000ml of SP6856 = Final Quantity: 1.010 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4221	10ng ICC	SP6862	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.75000ml of E3954 + 0.25000ml of SP6860 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4222	5ng ICC	SP6863	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.87500ml of E3954 + 0.12500ml of SP6860 = Final Quantity: 1.010 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4223	2.5ng ICC	SP6864	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.50000ml of E3954 + 0.50000ml of SP6863 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6865	08/25/2025	10/30/2025	Jagrut Upadhyay	None	None	Rahul Chavli 08/26/2025

FROM 0.40000ml of S11484 + 0.40000ml of S11652 + 0.40000ml of S12552 + 0.40000ml of S13149 + 0.40000ml of S13160 + 0.40000ml of S13207 + 0.90000ml of S12507 + 0.90000ml of S13089 + 1.10000ml of S13120 + 1.20000ml of S12553 + 1.20000ml of S12554 + 1.20000ml of S12555 + 1.20000ml of S12556 + 1.20000ml of S12557 + 1.20000ml of S12558 + 1.20000ml of S12559 + 1.20000ml of S13269 + 1.30000ml of S11808 + 1.30000ml of S12508 + 1.30000ml of S13090 + 1.30000ml of S13091 + 1.30000ml of S13092 + 1.30000ml of S13093 + 1.30000ml of S13094 + 1.30000ml of S13095 + 1.30000ml of S13096 + 1.30000ml of S13118 + 1.30000ml of S13119 + 1.30000ml of S13239 + 1.30000ml of S13240 + 1.30000ml of S13241 + 1.30000ml of S13242 + 1.30000ml of S13243 + 1.30000ml of S13244 + 163.00000ml of E3932 = Final Quantity: 200.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6869	09/10/2025	01/02/2026	Jagrut Upadhyay	None	None	Rahul Chavli 09/16/2025

FROM 3.00000ml of S12197 + 3.00000ml of S12220 + 5.60000ml of S12221 + 5.60000ml of S12903 + 5.80000ml of S12904 + 6.00000ml of S12199 + 6.00000ml of S12200 + 965.00000ml of E3965 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6871	09/22/2025	11/16/2025	Jagrut Upadhyay	None	None	Yogesh Patel 09/27/2025

FROM 0.04000ml of S12201 + 0.08000ml of S12905 + 0.10000ml of S11073 + 0.20000ml of S12560 + 0.20000ml of S13097 + 0.20000ml of S13244 + 1.18000ml of E3973 = Final Quantity: 2.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6872	09/22/2025	11/16/2025	Jagrut Upadhyay	None	None	Yogesh Patel 09/27/2025

FROM 0.01000ml of S13175 + 0.60000ml of E3973 + 0.40000ml of SP6871 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6875	09/30/2025	03/30/2026	Rahul Chavli	None	None	Jagrut Upadhyay 09/30/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3973 = Final Quantity: 20.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25B1862001	03/19/2026	07/14/2025 / RUPESH	06/11/2025 / RUPESH	E3954

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	08/22/2025 / RUPESH	08/20/2025 / RUPESH	E3965

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	09/16/2025 / Evelyn	09/04/2025 / Riteshkumar	E3972

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	09/15/2025 / Riteshkumar	09/15/2025 / Riteshkumar	E3973

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	10/10/2025 / RUPESH	10/10/2025 / RUPESH	E3980

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0187043	11/16/2025	05/16/2025 / Jagrut	02/06/2023 / Christian	S11073

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	10/30/2025	04/30/2025 / Rahul	08/10/2023 / yogesh	S11484

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	01/30/2026	07/30/2025 / Rahul	11/09/2023 / Yogesh	S11652

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11807

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	02/25/2026	08/25/2025 / Jagrut	11/21/2023 / rahul	S11808

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12197

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12199

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12200

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	03/22/2026	09/22/2025 / Jagrut	03/15/2024 / Rahul	S12201

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12220

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12221

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30409 / Pyridine, 2000 PPM in P & T Methanol	A0206650	12/16/2025	06/16/2025 / Jagrut	05/14/2024 / Rahul	S12245

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	08/12/2025 / Jagrut	05/30/2024 / Rahul	S12306

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	08/12/2025 / Jagrut	05/30/2024 / Rahul	S12307

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12507

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12508

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12552

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12553

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12554

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12555

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12556

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12557

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12558

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12559

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	03/22/2026	09/22/2025 / Jagrut	07/23/2024 / RAHUL	S12560

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0212955	06/30/2027	03/31/2025 / Rahul	08/01/2024 / Rahul	S12577

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31900 / SOM01.1 Mega Mix, 500-1000 ug/ml	A0215529	02/12/2026	08/12/2025 / Jagrut	10/08/2024 / anahy	S12739

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90494 / 1-Methylnaphthalene, 2000 ug/mL, in methylene chloride	061323	02/12/2026	08/12/2025 / Jagrut	11/08/2024 / anahy	S12776

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0216785	03/10/2026	09/10/2025 / Jagrut	12/09/2024 / anahy	S12903

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0216785	03/10/2026	09/10/2025 / Jagrut	12/09/2024 / anahy	S12904

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0216785	03/22/2026	09/22/2025 / Jagrut	12/09/2024 / anahy	S12905

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	07/01/2025 / Rahul	05/20/2025 / Rahul	S13089

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13090

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13091

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13092

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13093

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13094

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13095

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13096

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	09/03/2025 / Jagrut	05/20/2025 / Rahul	S13097

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0218894	02/25/2026	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13118

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0218894	02/25/2026	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13119

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0218894	02/25/2026	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13120

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0201702	02/25/2026	08/25/2025 / Jagrut	11/13/2023 / Rahul	S13149

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0226283	02/25/2026	08/25/2025 / Jagrut	06/04/2025 / Rahul	S13160

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	02/11/2026	08/11/2025 / Rahul	06/02/2025 / anahy	S13170

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	03/15/2026	09/15/2025 / rahul	06/02/2025 / anahy	S13175

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	04/10/2026	10/10/2025 / Jagrut	06/02/2025 / anahy	S13178

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0226493	02/12/2026	08/12/2025 / Jagrut	06/11/2025 / anahy	S13207

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31879 / Benzoic Acid, 2000 µg/mL, Methylene Chloride, 1 mL/ampul	A0221395	02/12/2026	08/12/2025 / Jagrut	07/10/2025 / anahy	S13214

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	582978 / Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul, Chromatographic, CS-347186	A0228192	02/12/2026	08/12/2025 / Jagrut	08/01/2025 / Rahul	S13233

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13239

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13240

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13241

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13242

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13243

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13244

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0228494	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13269

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

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.

Received on 02/06/23 by CG

S11071 to S11075

Catalog No. : 31853 **Lot No.:** A0187043

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dioxane	2,019.0 µg/mL	+/- 11.8486	µg/mL	Gravimetric
	CAS # 123-91-1 (Lot SHBN5929)		+/- 43.2570	µg/mL	Unstressed
	Purity 99%		+/- 44.5129	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

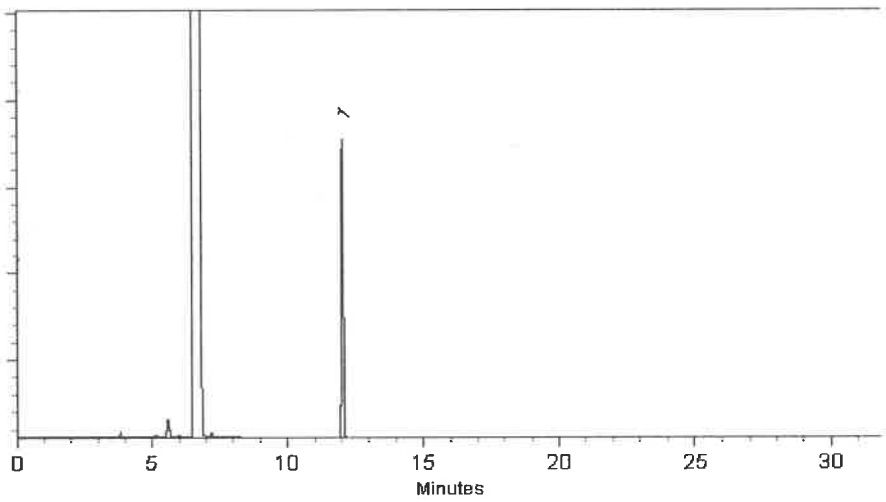
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 07-Jul-2022 **Balance:** 1128360905

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 12-Jul-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Rec on 8/20/25

E3965

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE **RMB3375**)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E3875

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD RS

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

VWR®
BDH® CHEMICALS

Certificate of Analysis

Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO2
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 7/9/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above.	Analysis may have been rounded to significant digits in specification limits
This document has been electronically produced and is valid without a signature.	Product meets analytical specifications of the grades listed.
Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25B1862001
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

RS 7/14/25

E3954

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3972

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25C1262005
Manufactured Date: 2025-01-15
Expiration Date:2026-04-16
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Rec. on 6/10/25 PJ

E3980

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA 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. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

S11484 ↓ S11493 Y.P. 08/10/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA 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. : 31853 **Lot No.:** A0200655

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11795 ↓ S11808 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

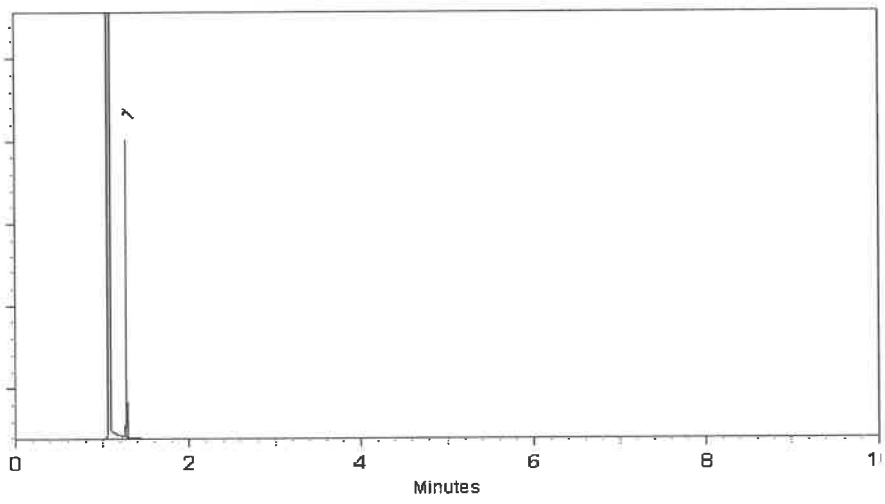
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA 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. : 31087 **Lot No.:** A0206206

S12187 ↓ S12206 } RC/ 03/18/24

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

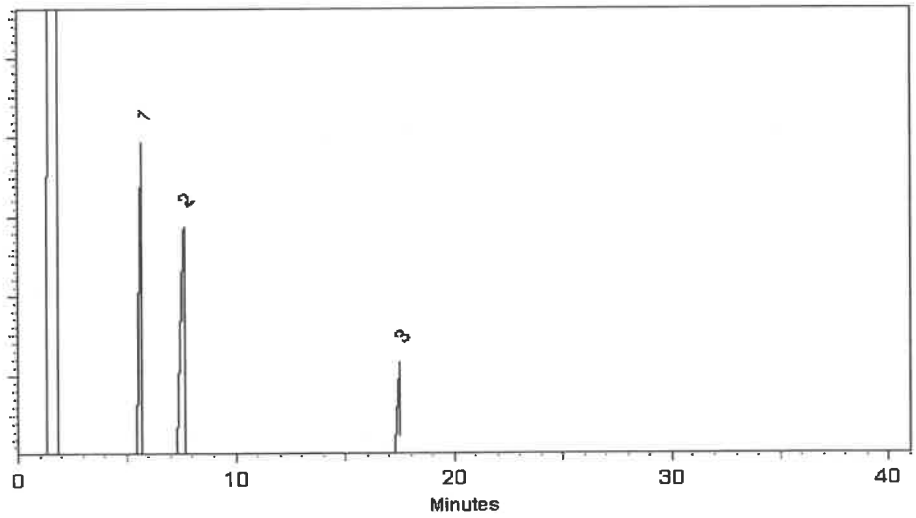
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA 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. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

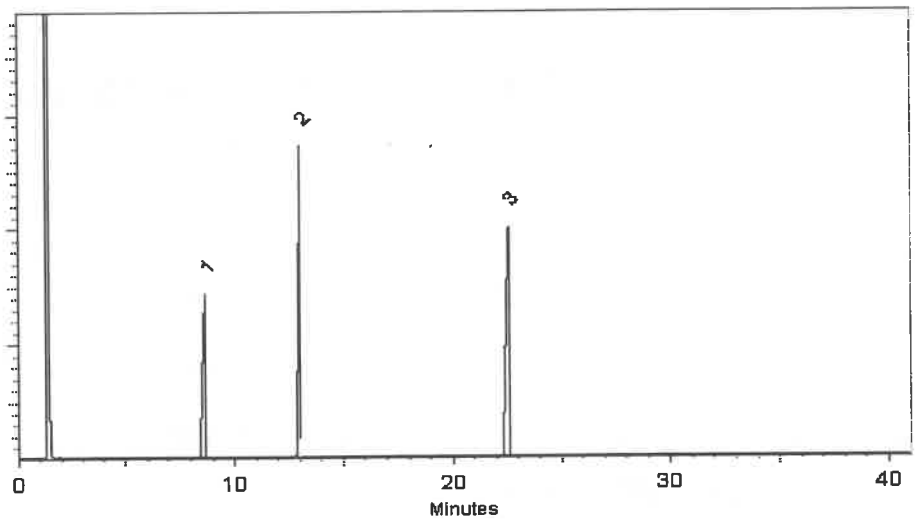
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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.

S12302 ↓ S12311 RC 5/30/24

Catalog No. : 31902 **Lot No.:** A0206859

Description : Additions Standard

Additions Standard 1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.5419
2	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.8 µg/mL	+/- 29.6521
3	Atrazine	1912-24-9	5FYWL	99%	1,008.8 µg/mL	+/- 29.6521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

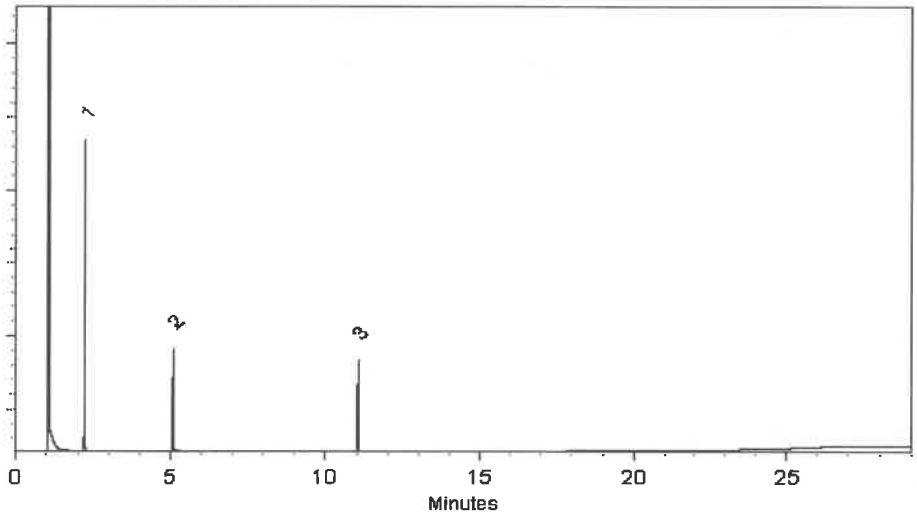
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 23-Jan-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

gravimetric

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. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

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. : 31615 **Lot No.:** A0212955

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 ↓ S12579 RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

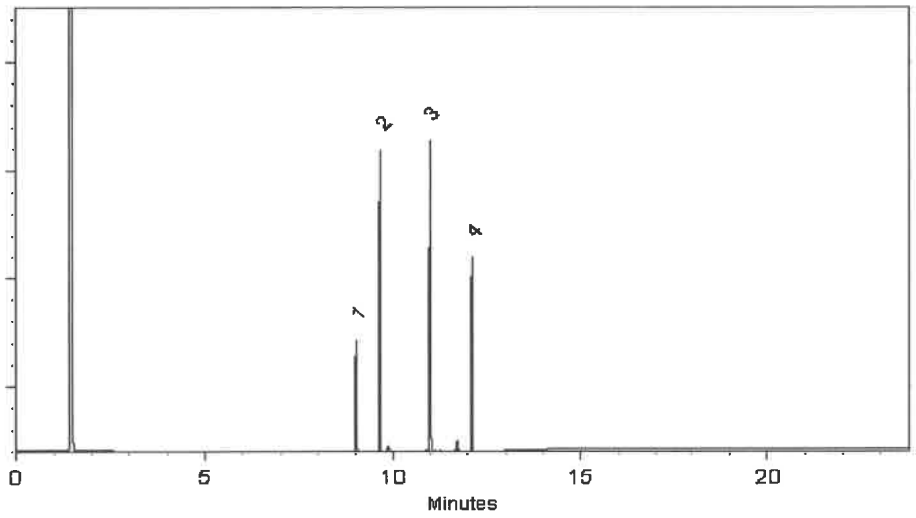
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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. : 31900 **Lot No.:** A0215529

Description : OLM 01.1 Revised SV MegaMix

OLM 01.1 Revised SV MegaMix 500-1000 µg/mL, Methylene chloride, 1mL/ampul

S12736 ↓ S12754 AC 10/9/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Phenol	108-95-2	MKCK1120	99%	1,008.6 µg/mL	+/- 19.3211
2	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,002.3 µg/mL	+/- 19.2013
3	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.2 µg/mL	+/- 19.2564
4	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,006.3 µg/mL	+/- 19.2768
5	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,009.3 µg/mL	+/- 19.3354
6	Acetophenone	98-86-2	STBH8205	99%	1,003.8 µg/mL	+/- 18.5851
7	Hexachloroethane	67-72-1	QTORH	99%	1,000.6 µg/mL	+/- 19.1690
8	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.5 µg/mL	+/- 19.2599
9	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	500.3 µg/mL	+/- 9.5854
10	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 9.6213
11	Nitrobenzene	98-95-3	10224044	99%	1,003.2 µg/mL	+/- 19.2181
12	Isophorone	78-59-1	MKCC9506	99%	1,007.0 µg/mL	+/- 19.2911
13	2-Nitrophenol	88-75-5	RP230509C	99%	1,003.4 µg/mL	+/- 19.2217
14	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,008.1 µg/mL	+/- 19.3115
15	Bis(2-chloroethoxy)methane	111-91-1	15174900	99%	1,002.3 µg/mL	+/- 19.2001
16	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,002.3 µg/mL	+/- 19.2001

17	Naphthalene	91-20-3	STBL1057	99%	1,003.6	µg/mL	+/- 19.2253
18	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.5	µg/mL	+/- 19.2791
19	Hexachlorobutadiene	87-68-3	RP240110CTH	97%	1,003.9	µg/mL	+/- 19.2316
20	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,005.1	µg/mL	+/- 19.2718
21	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.8	µg/mL	+/- 19.2301
22	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,000.5	µg/mL	+/- 19.1832
23	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 19.1811
24	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.1	µg/mL	+/- 19.2349
25	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,008.6	µg/mL	+/- 19.3221
26	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,002.3	µg/mL	+/- 19.2001
27	Biphenyl	92-52-4	MKCS5928	99%	1,001.3	µg/mL	+/- 18.5388
28	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,000.5	µg/mL	+/- 19.1832
29	Acenaphthylene	208-96-8	214935V16F	97%	999.9	µg/mL	+/- 19.1561
30	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.8	µg/mL	+/- 19.2672
31	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,001.2	µg/mL	+/- 19.1798
32	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 19.1570
33	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,005.5	µg/mL	+/- 19.2791
34	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,008.8	µg/mL	+/- 19.3259
35	Dibenzofuran	132-64-9	MKCD9952	99%	1,002.5	µg/mL	+/- 18.5619
36	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,002.5	µg/mL	+/- 19.2049
37	4-Nitrophenol	100-02-7	RP230627	99%	1,004.4	µg/mL	+/- 19.2421
38	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,001.5	µg/mL	+/- 19.2024
39	Fluorene	86-73-7	10241100	99%	1,004.2	µg/mL	+/- 19.2373
40	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.0	µg/mL	+/- 19.2145
41	Diethylphthalate	84-66-2	BCCJ6241	99%	1,002.1	µg/mL	+/- 19.1978
42	4-Nitroaniline	100-01-6	RP240510RSR	99%	1,005.0	µg/mL	+/- 19.2695
43	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S240410RSR	99%	1,001.1	µg/mL	+/- 19.1786
44	Diphenylamine	122-39-4	MKCT1512	99%	1,004.5	µg/mL	+/- 19.2599
45	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.9	µg/mL	+/- 19.2708
46	Hexachlorobenzene	118-74-1	15458400	99%	1,009.2	µg/mL	+/- 19.3331
47	Pentachlorophenol	87-86-5	RP240411RSR	99%	1,008.9	µg/mL	+/- 19.3283
48	Phenanthrene	85-01-8	MKCS5188	99%	1,006.2	µg/mL	+/- 19.2756
49	Anthracene	120-12-7	101492T18R	99%	1,001.6	µg/mL	+/- 19.1882
50	Carbazole	86-74-8	15276700	99%	1,004.0	µg/mL	+/- 19.2503
51	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,002.5	µg/mL	+/- 19.2049
52	Fluoranthene	206-44-0	MKCQ4728	99%	1,008.7	µg/mL	+/- 19.3235

53	Pyrene	129-00-0	BCCK2592	99%	1,002.9	µg/mL	+/-	19.2121
54	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.6	µg/mL	+/-	19.2444
55	Benz(a)anthracene	56-55-3	I50012022BAA	99%	1,009.1	µg/mL	+/-	19.3307
56	Chrysene	218-01-9	RP240719RSR	99%	1,005.9	µg/mL	+/-	19.2708
57	3,3'-Dichlorobenzidine	91-94-1	S231019RSR	99%	1,001.5	µg/mL	+/-	19.2024
58	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,006.3	µg/mL	+/-	19.2768
59	Di-n-octyl phthalate	117-84-0	15276800	99%	1,008.9	µg/mL	+/-	19.3283
60	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,006.4	µg/mL	+/-	19.2792
61	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,001.9	µg/mL	+/-	19.1942
62	Benzo(a)pyrene	50-32-8	O45GL	98%	1,003.9	µg/mL	+/-	19.2327
63	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,003.7	µg/mL	+/-	19.2281
64	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,004.2	µg/mL	+/-	19.2373
65	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	1,001.5	µg/mL	+/-	19.1863

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 90494
Lot Number: 061323
Description: 1-Methylnaphthalene

Expiration Date: 061328
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

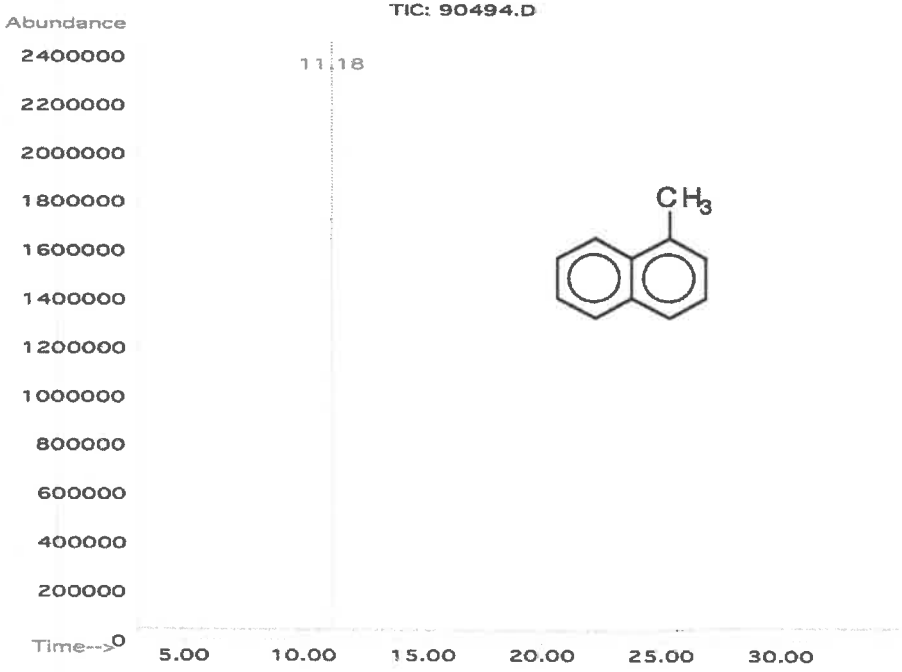
Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

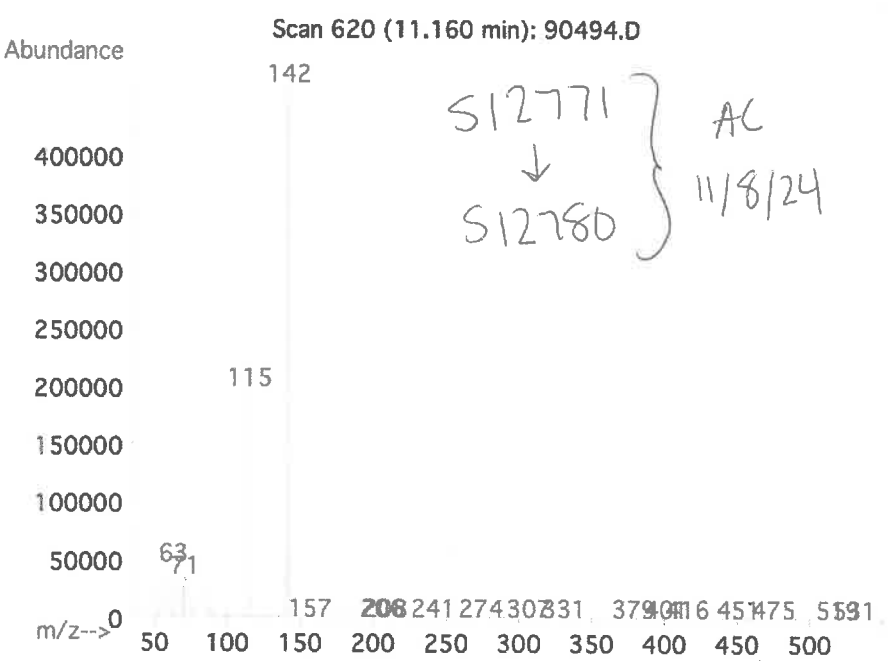
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.031 Flask Uncertainty

Formulated By:	Prashant Chauhan	061323 DATE
Reviewed By:	Pedro L. Rentas	061323 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1-Methylnaphthalene	313	04413BX	2000	98	0.2	0.20417	0.20430	2001.2	8.3	90-12-0	N/A	orl-rat 1840mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.





S12771 ↓ S12780 } AC 11/8/24

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

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. : 31850 **Lot No.:** A0221014

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S13088 ↓ S13117 RC 5/20/25.

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

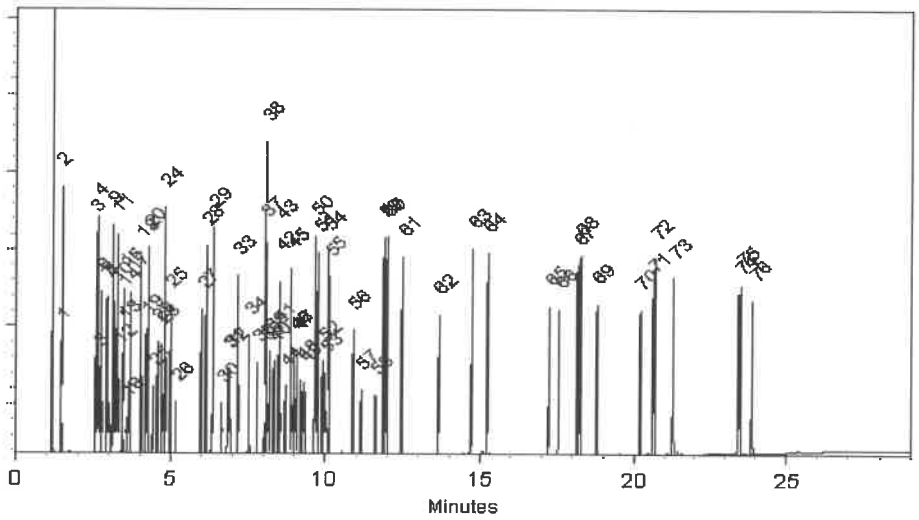
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA 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. : 31853 **Lot No.:** A0218894

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2029 **Storage:** 0°C or colder

Ship: Ambient

513118 ↓ 513147 RC/ 5/20/25.

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,002.4 µg/mL	+/- 24.9202

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

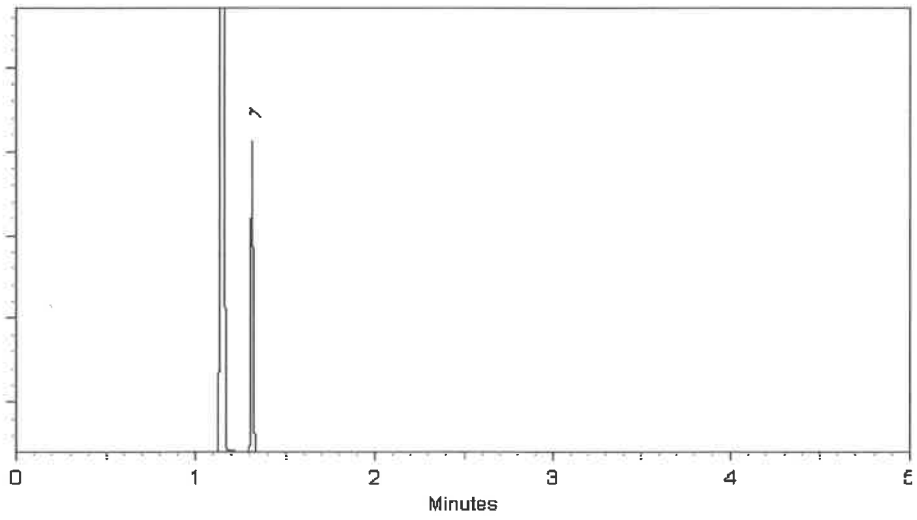
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 07-Nov-2024 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 11-Nov-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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. : 555871 **Lot No.:** A0226283

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

S13158 ↓ S13167 } RC/ 6/4/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	4-Nitrophenol	100-02-7	20241120-1-AN	99%	25,192.0 µg/mL	+/- 783.0517

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Morgan Craighead - Mix Technician

Date Mixed: 02-Jun-2025 **Balance:** C322230531

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S13168 ↓ S13197 AC 6/9/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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.

S13198 → S13207 AC 6/11/25

Catalog No. : 555868 **Lot No.:** A0226493

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S250227ECS	99%	25,004.0 µg/mL	+/- 495.8040

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Laith Clemente - Operations Technician I

Date Mixed: 09-Jun-2025 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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. : 31879 **Lot No.:** A0221395

Description : Benzoic Acid Mix

Benzoic Acid 2000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

S13214 ↓ S13218 AC 7/10/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzoic acid	65-85-0	MKCR2694	99%	2,002.2 µg/mL	+/- 60.5426

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA 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. : 582978 **Lot No.:** A0228192

513229 ↓ 513238 } RC/ 8/1/25

Description : Custom Calibration Standard - C8

Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	2,000.0 µg/mL	+/- 35.7537
2	Aniline	62-53-3	X22F726	99%	2,002.5 µg/mL	+/- 35.7984
3	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	2,005.0 µg/mL	+/- 35.8431
4	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	2,005.0 µg/mL	+/- 35.8431
5	Benzyl alcohol	100-51-6	094986W07G	99%	2,015.0 µg/mL	+/- 36.0218
6	1,2-Dichlorobenzene	95-50-1	SHBR4446	99%	2,015.0 µg/mL	+/- 36.0218
7	1,2,4-Trichlorobenzene	120-82-1	SHBR1701	99%	2,020.0 µg/mL	+/- 36.1112
8	Azobenzene	103-33-3	BCCL3292	99%	2,005.0 µg/mL	+/- 35.8431

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

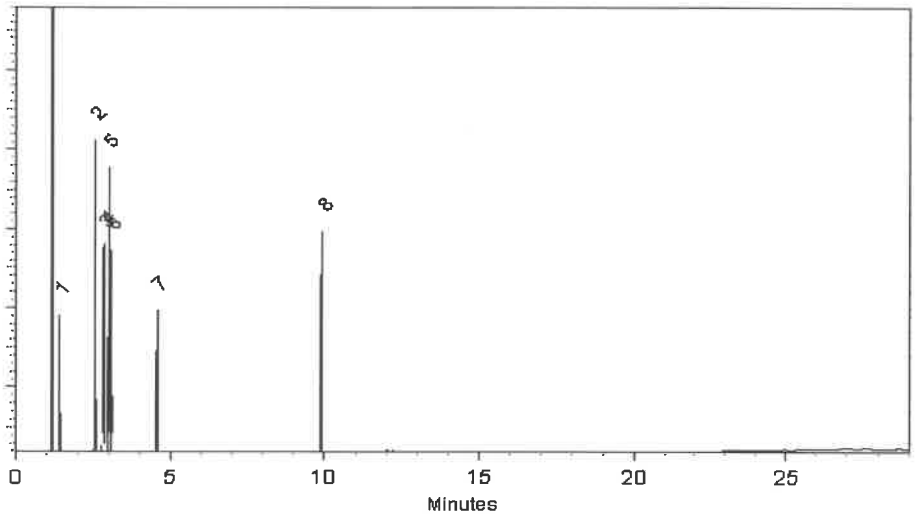
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Wilner Torres - Operation Tech I **Date Mixed:** 27-Jul-2025 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 30-Jul-2025 REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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. : 555223 **Lot No.:** A0228451

S13239 ↓ S13268 } RC 08/06/25

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2027 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S250226RSR	99%	1,006.0 µg/mL	+/- 23.0947
2	Atrazine	1912-24-9	5FYWL	99%	1,007.0 µg/mL	+/- 23.1176
3	Benzidine	92-87-5	S250227ECS	99%	1,003.0 µg/mL	+/- 23.0258
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,003.0 µg/mL	+/- 23.0258

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 01-Aug-2025 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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. : 555869 **Lot No.:** A0201702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

513148 ↓ 513157 RC 11/13/23

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	25,244.0 µg/mL	+/- 450.6896

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 05-Sep-2023 **Balance:** B707717271

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO:
QUOTE NO. Q3363
COC Number 2045136 Q3364

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: AECOM
ADDRESS: 605 Third Avenue
CITY New York STATE: NY ZIP: 10158
ATTENTION: Robert Forstner
PHONE: 212-377-8721 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Port Richmond 132
PROJECT NO.: 60693795 LOCATION: Staten Island
PROJECT MANAGER: Rob Forstner
e-mail: robert.forstner@aecom.com
PHONE: 212-377-8721 FAX:

CLIENT BILLING INFORMATION

BILL TO: AECOM PO#:
ADDRESS: 605 Third Avenue
CITY New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner PHONE: 212-377-8721

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
(STANDARD) HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☒ NYS ASP B
☐ Other _____
☐ EDD FORMAT _____

ANALYSIS

1: SVOCs 2: Pesticides-TCLP 3: Mercury-Metals 4: PCBs/HexChrome 5: Dioxin 6: Grain Size 7: TOC 8: VOCs 9:

PRESERVATIVES

	1	2	3	4	5	6	7	8	9
	E	E	E	E	E	E	E	F	

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

	ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.		PR132-SO1-085011-20251015	Soil		X	10/15	1157	11	X	X	X	X	X	X	X	X		
2.		PR132-SO1-039085-20251015	Soil		X	10/15	1210	11	X	X	X	X	X	X	X	X		
3.		PR132-SO3-028010-20251015	Soil		X	10/15	1315	11	X	X	X	X	X	X	X	X		
4.		PR132-SO3-010013-20251015	Soil		X	10/15	1330	11	X	X	X	X	X	X	X	X		
5.		COMP01-20251015	Soil	X		10/15	1353	11	X	X	X	X	X	X	X	X		
6.		TB-01	Water			10/15		1	X	X	X	X	X	X	X	X	X	Temp Blank
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME	RECEIVED BY
RELINQUISHED BY SAMPLER: 1. Jim Alderson	DATE/TIME: 1700 10/15/25	RECEIVED BY: 1 1700 10-15-25
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 1750 10-15-25	RECEIVED BY: 3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

Copyright © 2024

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3363 AECO02
Client Name : AECOM
Client Contact : Rob Forstner
Invoice Name : AECOM
Invoice Contact : Rob Forstner

Order Date : 10/16/2025 10:56:42 AM
Project Name : AE1-CTY 3.2.Z-PR-DOCK
Receive DateTime : ~~10/16/2025~~ 5:50:00 PM
Purchase Order : 10/15/2025

Project Mgr :
Report Type : NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3363-01	PR132-SO1-085011-20251015	Solid	10/15/2025	11:57					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3363-02	PR132-SO1-039085-20251015	Solid	10/15/2025	12:10					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3363-03	PR132-SO1-028010-20251015	Solid	10/15/2025	13:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3363-04	PR132-SO1-010013-20251015	Solid	10/15/2025	13:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3363-05	COMP01-20251015	Solid	10/15/2025	13:53					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By :
Date / Time : 10/16/25 1440

Received By :
Date / Time : 10/16/25 12:18

Storage Area : VOA Refridgerator Room